

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
 Data File : BF144001.D
 Acq On : 20 Oct 2025 16:27
 Operator : RC/JU
 Sample : Q3381-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-245MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

Quant Time: Oct 20 17:06:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	100371	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	371973	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	192676	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	292615	20.000	ng	0.00
76) Chrysene-d12	14.063	240	212179	20.000	ng	0.00
86) Perylene-d12	15.545	264	285074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	424824	67.212	ng	0.00
7) Phenol-d6	6.504	99	517974	68.752	ng	-0.01
23) Nitrobenzene-d5	7.439	82	284005	46.387	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	107308	55.916	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	390476	32.157	ng	-0.01
79) Terphenyl-d14	12.998	244	408851	32.932	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	132978	45.465	ng	95
3) Pyridine	3.457	79	362899	42.620	ng	99
4) n-Nitrosodimethylamine	3.410	42	204444	45.643	ng	91
6) Aniline	6.545	93	347828	30.810	ng	100
8) 2-Chlorophenol	6.663	128	280357	45.377	ng	100
9) Benzaldehyde	6.434	77	156420	26.915	ng	99
10) Phenol	6.522	94	424504	47.130	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	315460	45.340	ng	99
12) 1,3-Dichlorobenzene	6.822	146	334706	45.257	ng	100
13) 1,4-Dichlorobenzene	6.898	146	341886	46.864	ng	99
14) 1,2-Dichlorobenzene	7.051	146	325929	46.644	ng	99
15) Benzyl Alcohol	7.022	79	266849	47.273	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	726312	45.861	ng	99
17) 2-Methylphenol	7.128	107	230786	45.198	ng	99
18) Hexachloroethane	7.392	117	110583	45.453	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	216667	42.014	ng	98
20) 3+4-Methylphenols	7.281	107	267791	45.251	ng	# 84
22) Acetophenone	7.287	105	397242	50.507	ng	97
24) Nitrobenzene	7.463	77	330200	48.565	ng	97
25) Isophorone	7.698	82	581778	45.065	ng	100
26) 2-Nitrophenol	7.781	139	156521	53.695	ng	96
27) 2,4-Dimethylphenol	7.810	122	262595	50.078	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	370290	45.407	ng	99
29) 2,4-Dichlorophenol	8.022	162	248700	45.533	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	257772	47.986	ng	98
31) Naphthalene	8.186	128	770212	45.519	ng	100
32) Benzoic acid	7.928	122	153108	42.190	ng	97
33) 4-Chloroaniline	8.234	127	123347	19.437	ng	98
34) Hexachlorobutadiene	8.304	225	171103	45.837	ng	99
35) Caprolactam	8.598	113	78209	45.033	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	234233	44.644	ng	98
37) 2-Methylnaphthalene	8.875	142	462308	41.016	ng	99
38) 1-Methylnaphthalene	8.975	142	470408	43.027	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	270457	50.787	ng	97
41) Hexachlorocyclopentadiene	9.028	237	217287	98.353	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	177052	45.503	ng	96

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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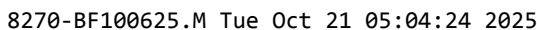
Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

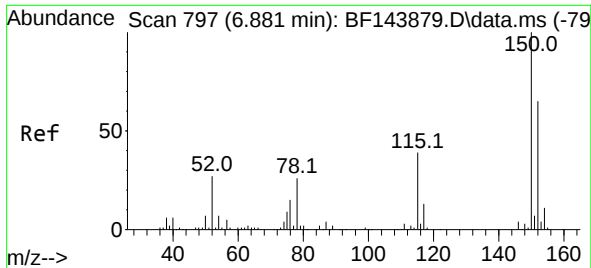
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	190334	46.289	ng	99
46) 1,1'-Biphenyl	9.339	154	651603	51.079	ng	98
47) 2-Chloronaphthalene	9.369	162	499056	46.921	ng	97
48) 2-Nitroaniline	9.463	65	169406	50.378	ng	96
49) Acenaphthylene	9.786	152	769139	51.437	ng	100
50) Dimethylphthalate	9.639	163	560326	45.794	ng	100
51) 2,6-Dinitrotoluene	9.704	165	121807	53.686	ng	95
52) Acenaphthene	9.957	154	460729	47.023	ng	99
53) 3-Nitroaniline	9.875	138	81500	29.336	ng	98
54) 2,4-Dinitrophenol	9.980	184	80393	59.400	ng	# 90
55) Dibenzofuran	10.128	168	631465	45.656	ng	99
56) 4-Nitrophenol	10.033	139	170624	81.114	ng	100
57) 2,4-Dinitrotoluene	10.110	165	162114	52.513	ng	96
58) Fluorene	10.475	166	473608	45.380	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	133421m	45.838	ng	
60) Diethylphthalate	10.339	149	495909	43.627	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	240577	43.601	ng	98
62) 4-Nitroaniline	10.486	138	113819	42.604	ng	97
63) Azobenzene	10.622	77	563873	47.463	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	67967	46.221	ng	100
66) n-Nitrosodiphenylamine	10.580	169	472341	51.409	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	153366	47.425	ng	99
68) Hexachlorobenzene	11.022	284	180006	48.080	ng	99
69) Atrazine	11.110	200	139405	50.060	ng	99
70) Pentachlorophenol	11.216	266	168895	78.548	ng	99
71) Phenanthrene	11.439	178	755154	53.232	ng	99
72) Anthracene	11.492	178	725510	50.624	ng	100
73) Carbazole	11.645	167	609788	48.042	ng	99
74) Di-n-butylphthalate	11.974	149	686989	46.700	ng	99
75) Fluoranthene	12.627	202	806849	55.063	ng	99
77) Benzidine	12.751	184	256163	34.770	ng	98
78) Pyrene	12.857	202	808534	45.708	ng	99
80) Butylbenzylphthalate	13.474	149	261316	45.487	ng	99
81) Benzo(a)anthracene	14.051	228	772965	55.669	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	139179	32.891	ng	95
83) Chrysene	14.092	228	756901	58.898	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	348219	50.284	ng	98
85) Di-n-octyl phthalate	14.651	149	651511	57.280	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	912509	52.240	ng	99
88) Benzo(b)fluoranthene	15.115	252	922382	56.327	ng	99
89) Benzo(k)fluoranthene	15.145	252	765145	50.496	ng	99
90) Benzo(a)pyrene	15.486	252	802881	56.544	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	711497	50.645	ng	100
92) Benzo(g,h,i)perylene	17.509	276	729280	51.911	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

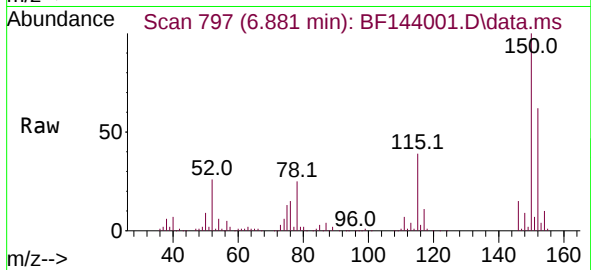
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

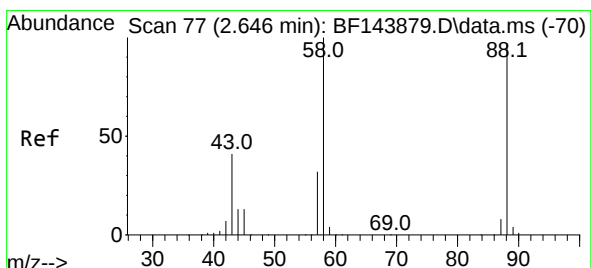
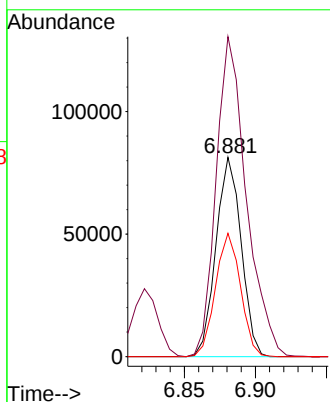
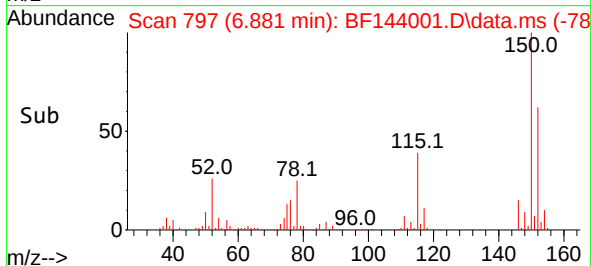
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



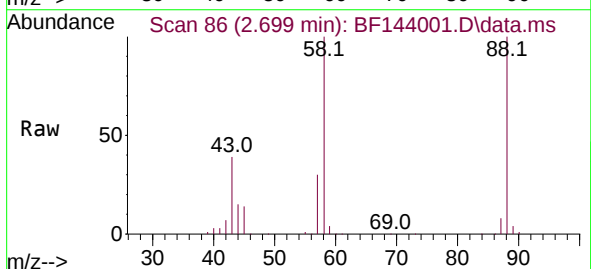
Tgt Ion:152 Resp: 10037
Ion Ratio Lower Upper
152 100
150 160.6 124.4 186.6
115 61.9 48.1 72.1

Manual Integrations
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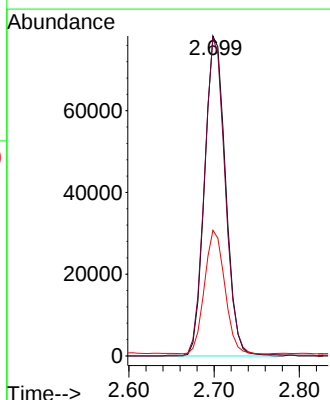
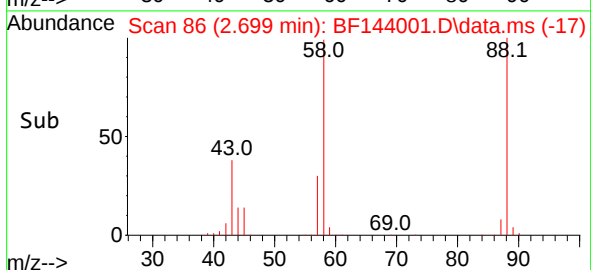
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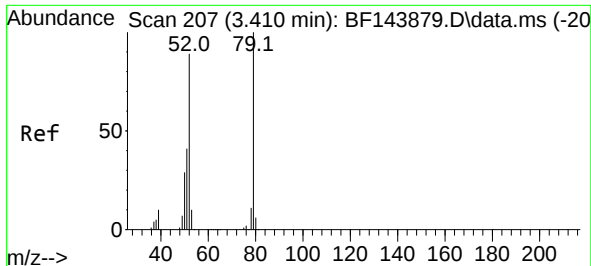


#2
1,4-Dioxane
Concen: 45.465 ng
RT: 2.699 min Scan# 86
Delta R.T. 0.053 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



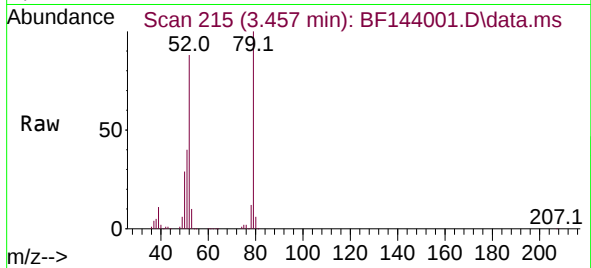
Tgt Ion: 88 Resp: 132978
Ion Ratio Lower Upper
88 100
58 99.9 83.0 124.6
43 37.6 33.9 50.9





#3
Pyridine
Concen: 42.620 ng
RT: 3.457 min Scan# 215
Delta R.T. 0.041 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

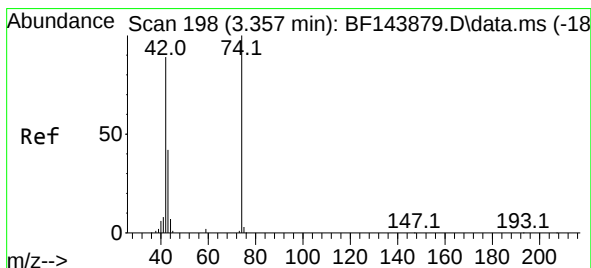
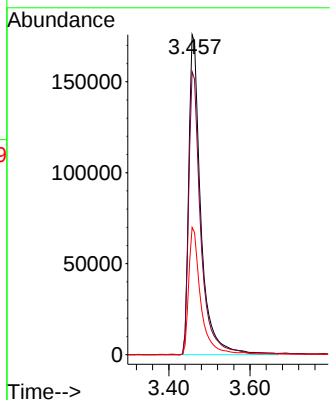
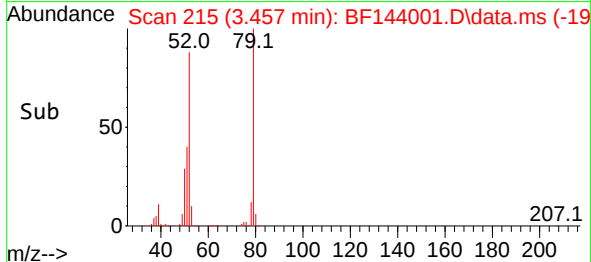
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



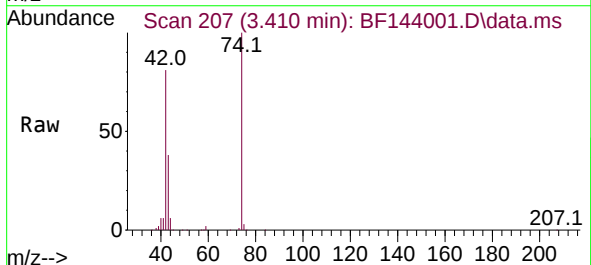
Tgt Ion: 79 Resp: 362899
Ion Ratio Lower Upper
79 100
52 88.4 71.5 107.3
51 39.7 32.9 49.3

Manual Integrations
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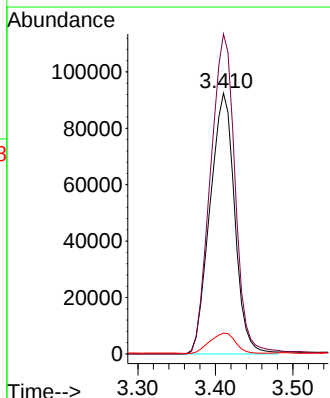
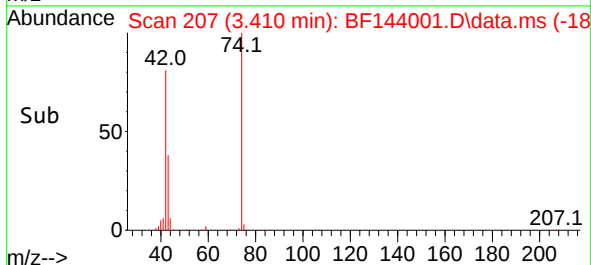
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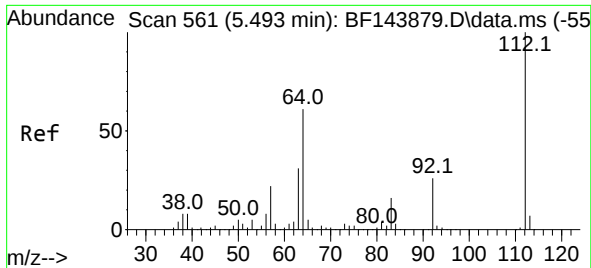


#4
n-Nitrosodimethylamine
Concen: 45.643 ng
RT: 3.410 min Scan# 207
Delta R.T. 0.024 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion: 42 Resp: 204444
Ion Ratio Lower Upper
42 100
74 122.8 90.0 135.0
44 8.0 6.2 9.2





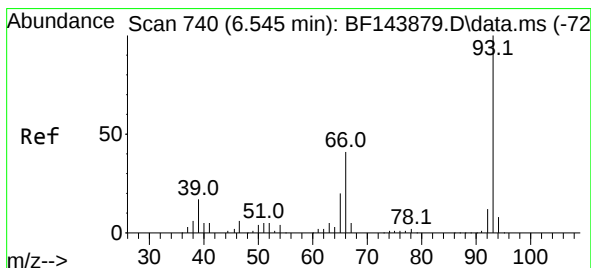
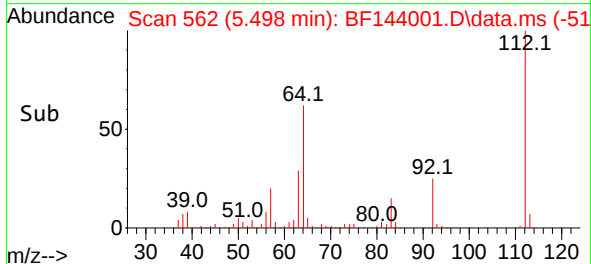
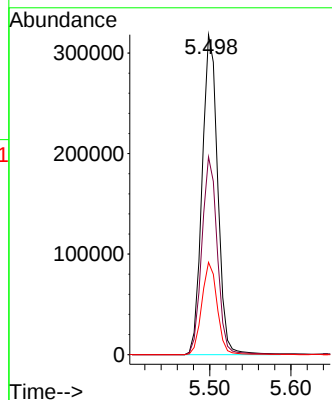
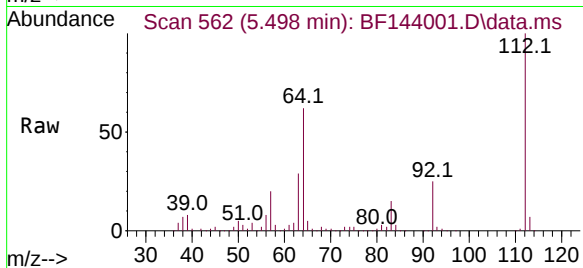
#5
2-Fluorophenol
Concen: 67.212 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD

Tgt Ion:112 Resp: 424824
Ion Ratio Lower Upper
112 100
64 61.8 49.1 73.7
63 28.8 24.5 36.7

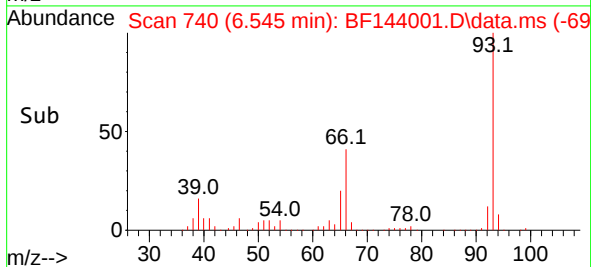
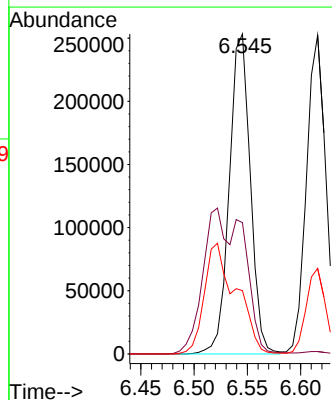
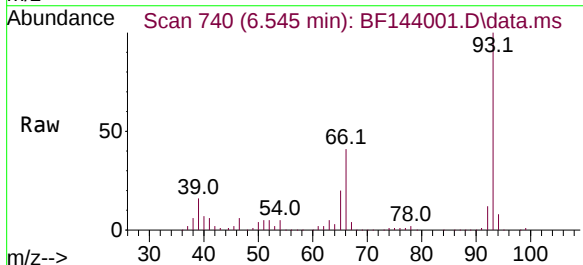
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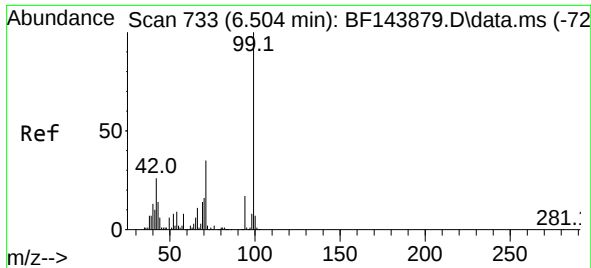
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#6
Aniline
Concen: 30.810 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

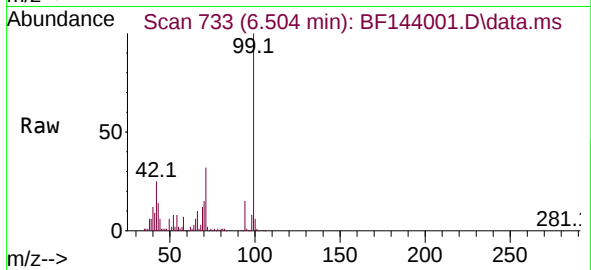
Tgt Ion: 93 Resp: 347828
Ion Ratio Lower Upper
93 100
66 41.0 33.0 49.6
65 19.8 15.8 23.8





#7
Phenol-d6
Concen: 68.752 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

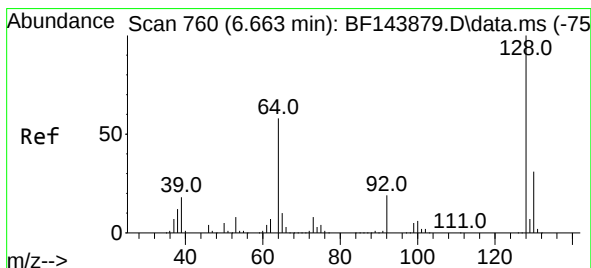
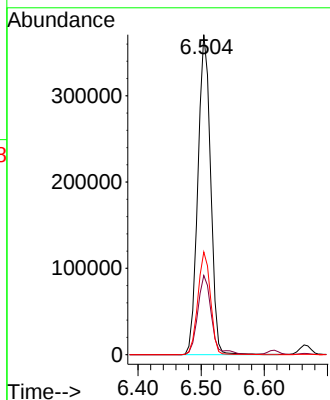
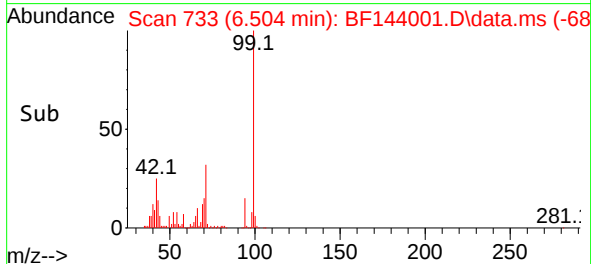
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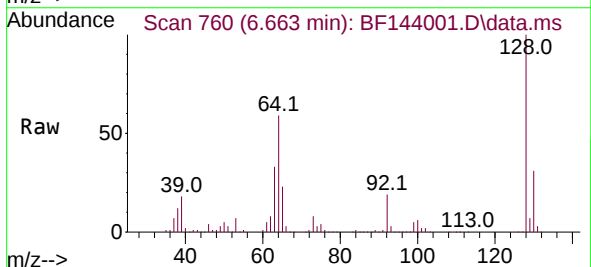
Tgt Ion: 99 Resp: 517974
Ion Ratio Lower Upper
99 100
42 24.7 21.0 31.4
71 32.1 27.8 41.8

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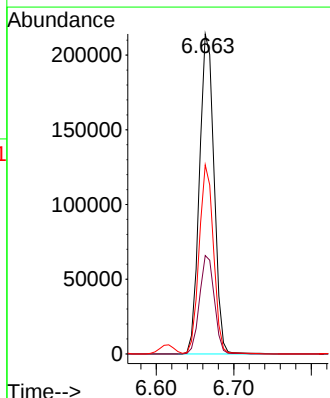
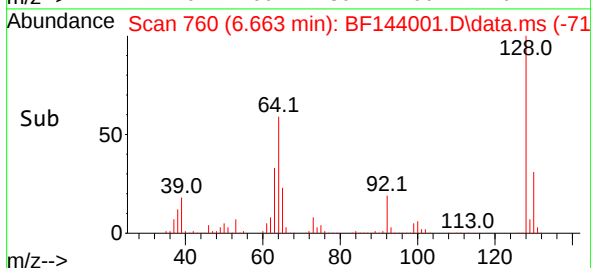
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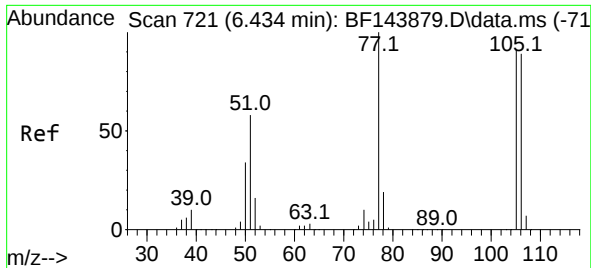


#8
2-Chlorophenol
Concen: 45.377 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:128 Resp: 280357
Ion Ratio Lower Upper
128 100
130 30.7 10.7 50.7
64 59.1 39.0 79.0





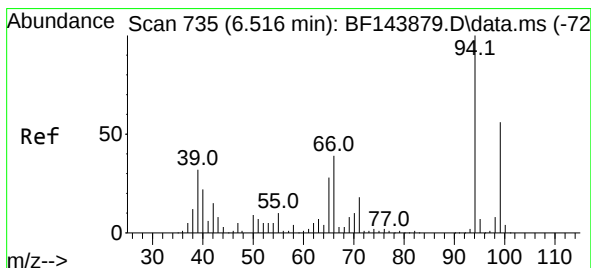
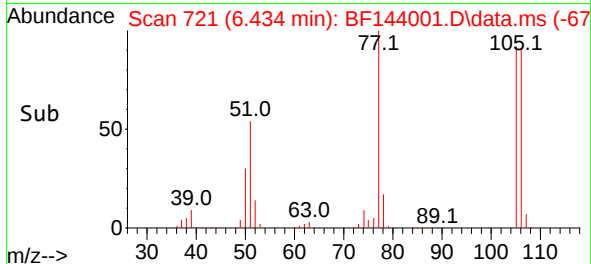
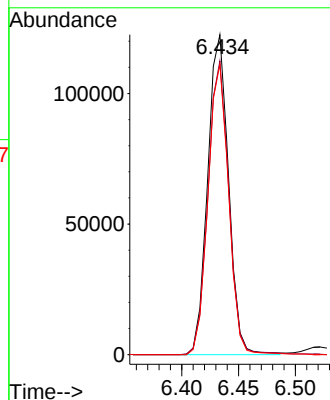
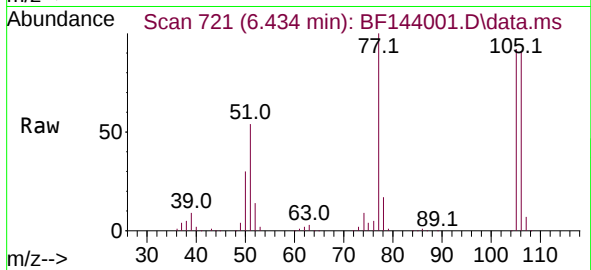
#9
Benzaldehyde
Concen: 26.915 ng
RT: 6.434 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD

Tgt Ion: 77 Resp: 156420
Ion Ratio Lower Upper
77 100
105 91.8 70.9 110.9
106 90.7 68.9 108.9

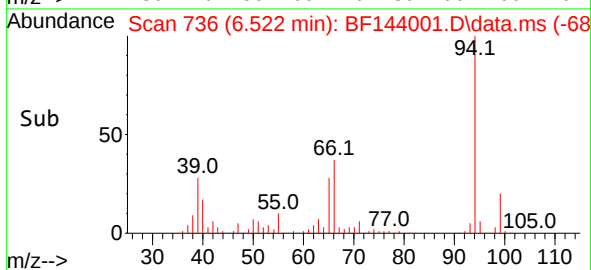
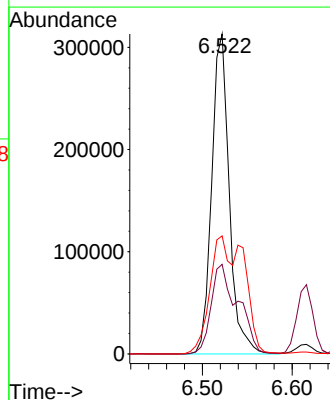
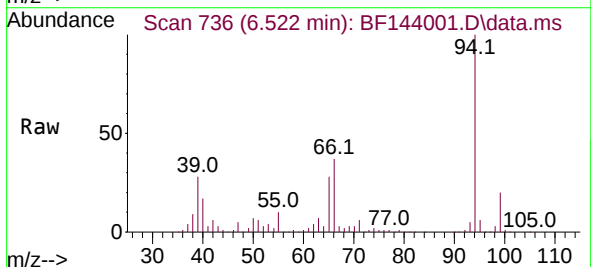
Manual Integrations
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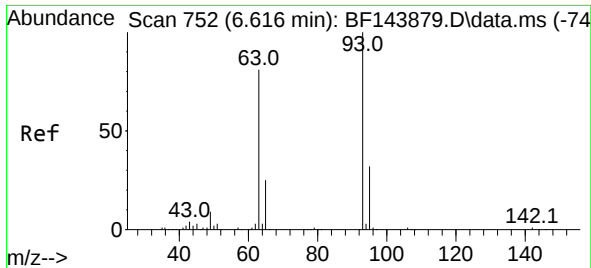
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#10
Phenol
Concen: 47.130 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion: 94 Resp: 424504
Ion Ratio Lower Upper
94 100
65 28.0 8.5 48.5
66 36.9 19.9 59.9





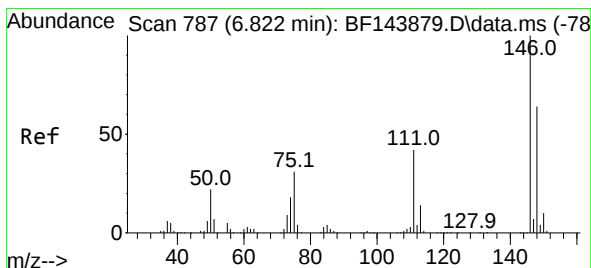
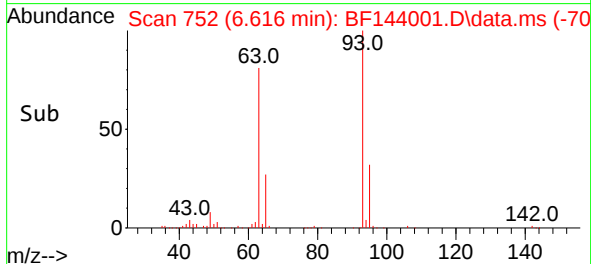
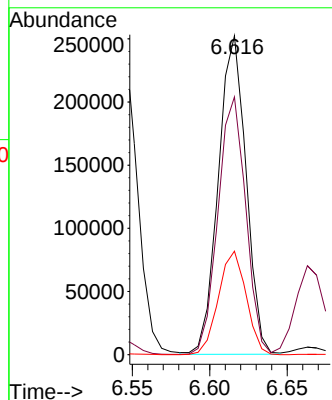
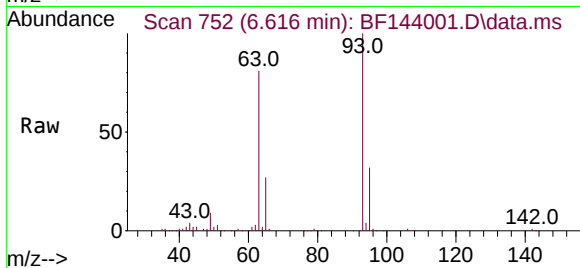
#11
bis(2-Chloroethyl)ether
Concen: 45.340 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD

Tgt Ion: 93 Resp: 315460
Ion Ratio Lower Upper
93 100
63 80.9 60.9 100.9
95 32.4 11.5 51.5

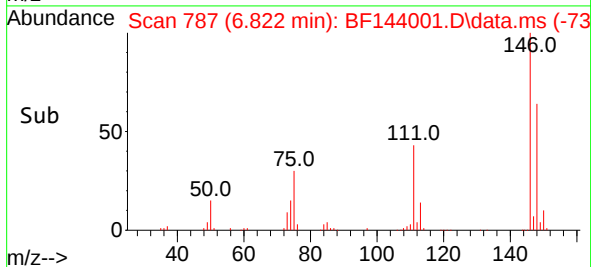
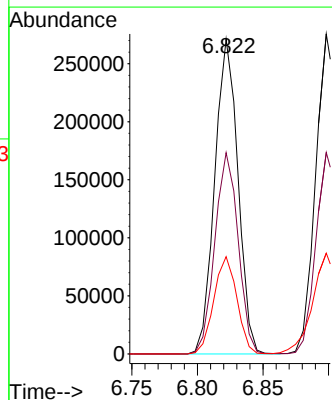
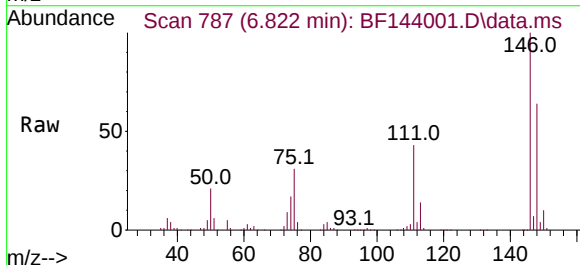
Manual Integrations
APPROVED

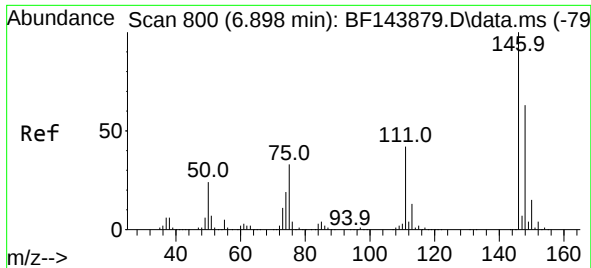
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#12
1,3-Dichlorobenzene
Concen: 45.257 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:146 Resp: 334706
Ion Ratio Lower Upper
146 100
148 63.9 51.0 76.4
75 30.9 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 46.864 ng

RT: 6.898 min Scan# 800

Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

Tgt Ion:146 Resp: 341886

Ion Ratio Lower Upper

146 100

148 62.9 50.5 75.7

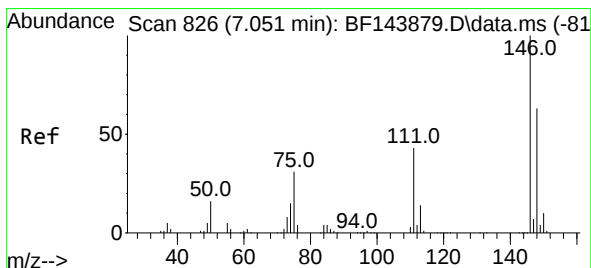
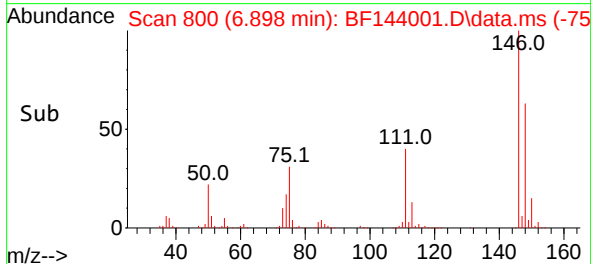
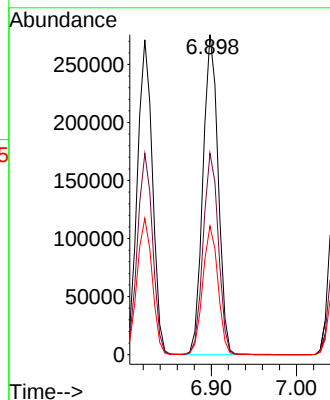
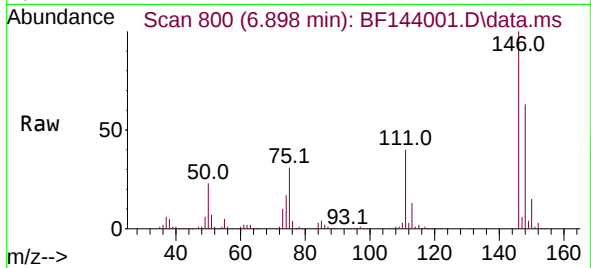
111 40.2 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#14

1,2-Dichlorobenzene

Concen: 46.644 ng

RT: 7.051 min Scan# 826

Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

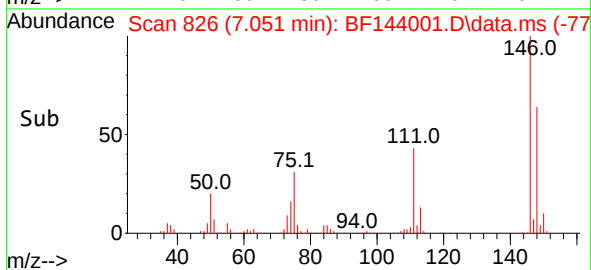
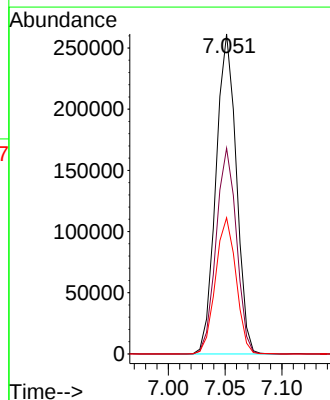
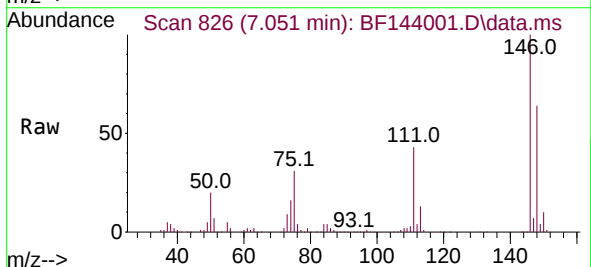
Tgt Ion:146 Resp: 325929

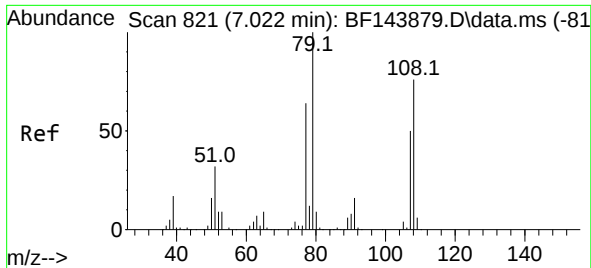
Ion Ratio Lower Upper

146 100

148 64.3 50.6 75.8

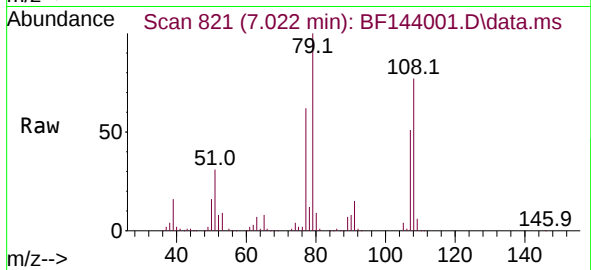
111 42.5 34.6 51.8





#15
Benzyl Alcohol
Concen: 47.273 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

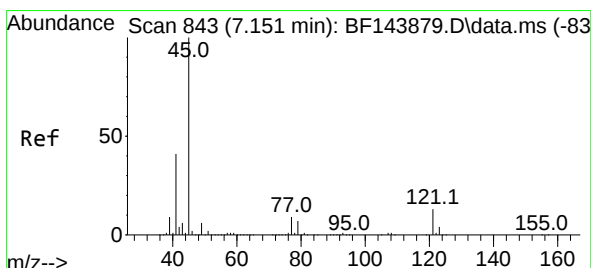
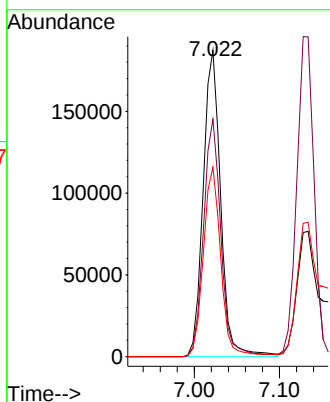
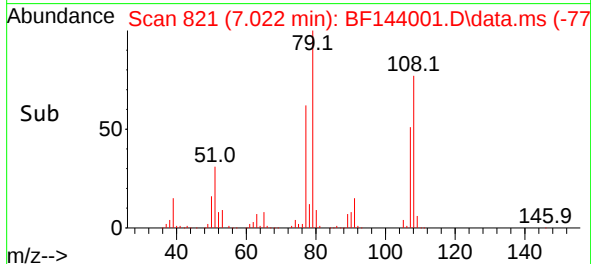
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion: 79 Resp: 266849
Ion Ratio Lower Upper
79 100
108 77.5 60.8 91.2
77 61.9 51.0 76.6

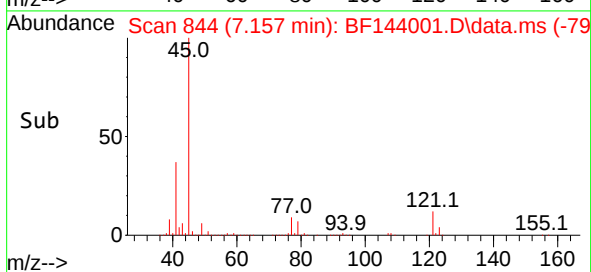
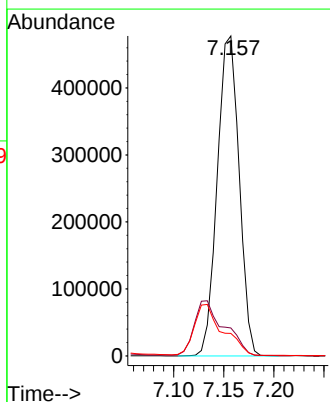
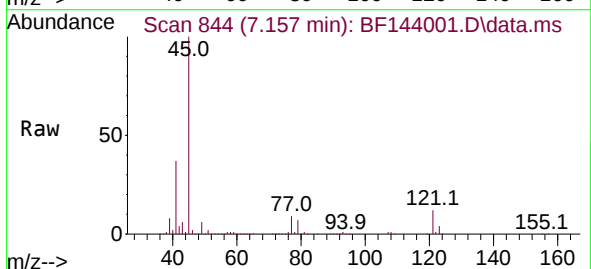
Manual Integrations
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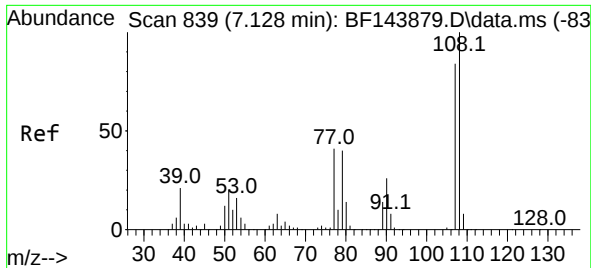
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.861 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

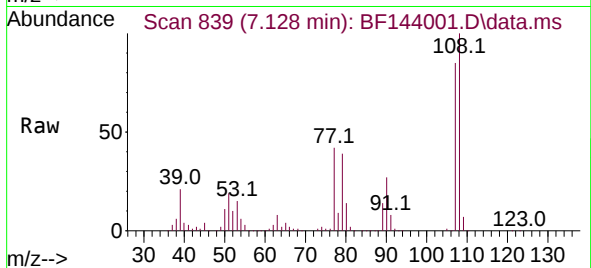
Tgt Ion: 45 Resp: 726312
Ion Ratio Lower Upper
45 100
77 8.8 0.0 29.0
79 7.0 0.0 26.8





#17
2-Methylphenol
Concen: 45.198 ng
RT: 7.128 min Scan# 839
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

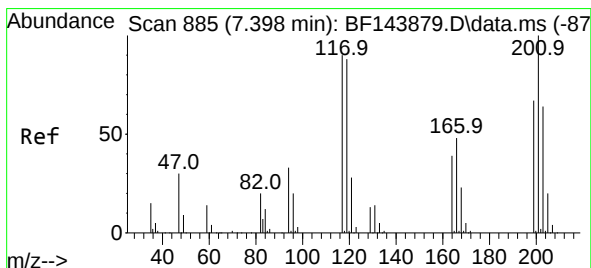
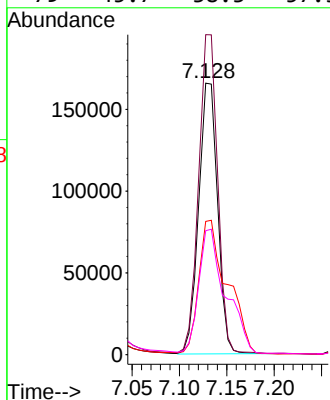
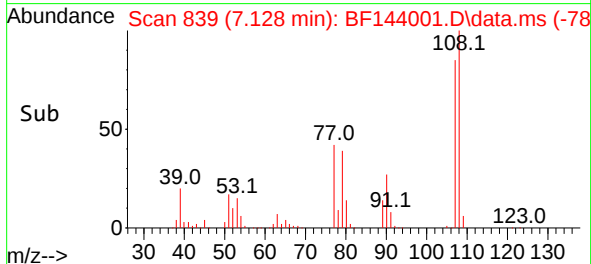
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



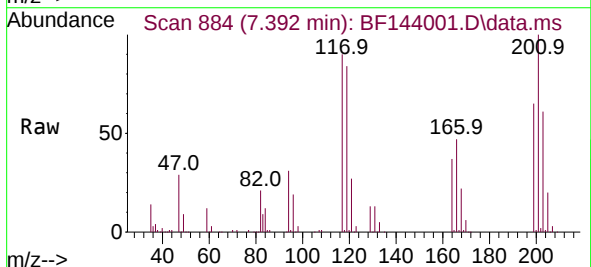
Tgt Ion:107 Resp: 230786
Ion Ratio Lower Upper
107 100
108 117.9 94.7 142.1
77 49.1 38.8 58.2
79 45.7 38.3 57.5

Manual Integrations
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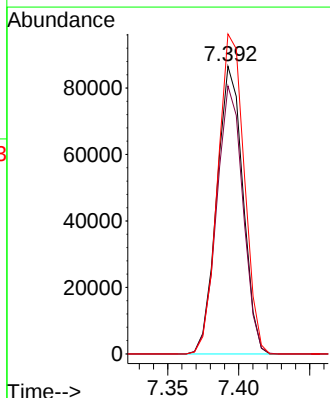
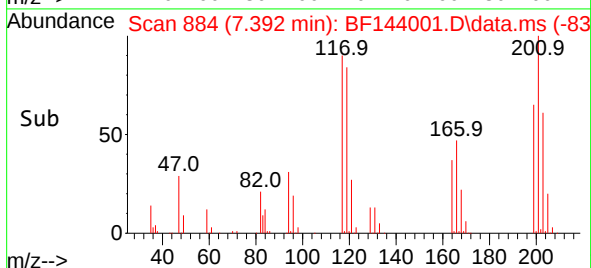
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

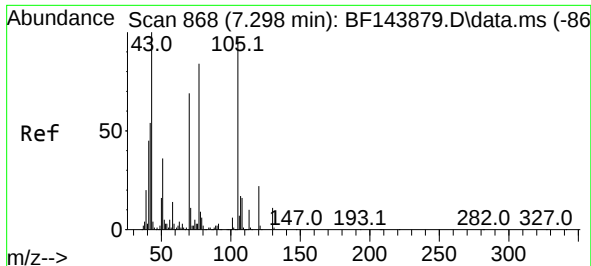


#18
Hexachloroethane
Concen: 45.453 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



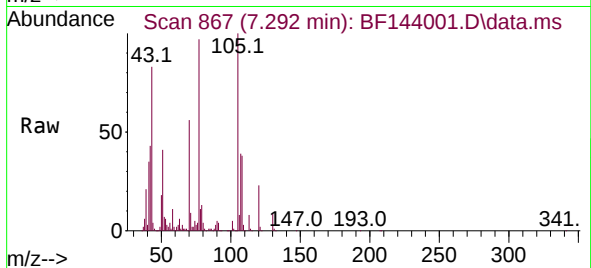
Tgt Ion:117 Resp: 110583
Ion Ratio Lower Upper
117 100
119 93.1 77.8 116.8
201 111.3 88.5 132.7





#19
n-Nitroso-di-n-propylamine
Concen: 42.014 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

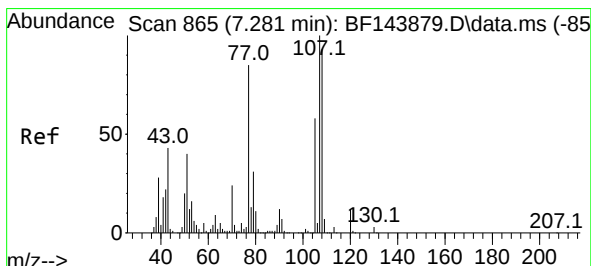
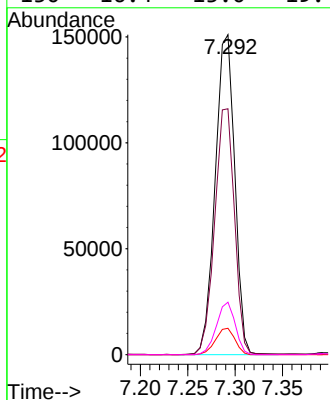
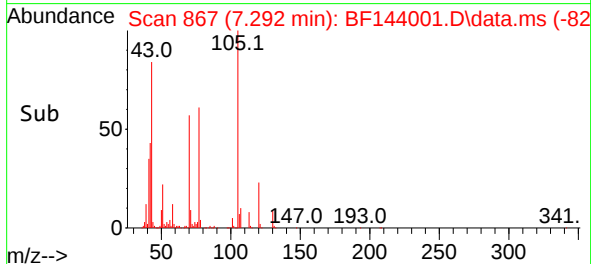
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion: 70 Resp: 21666
Ion Ratio Lower Upper
70 100
42 76.8 62.8 94.2
101 8.2 6.7 10.1
130 16.4 13.0 19.4

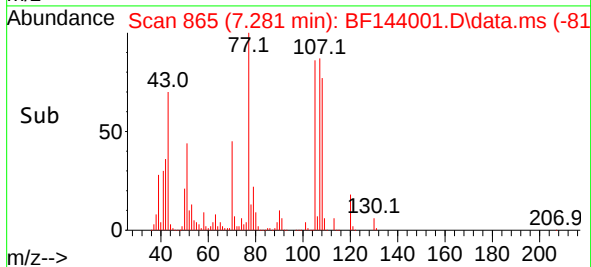
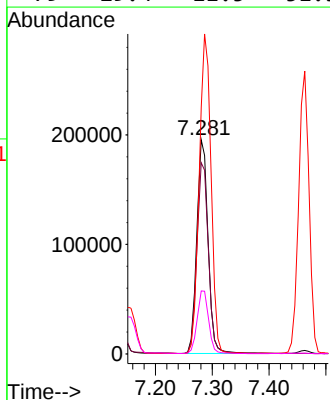
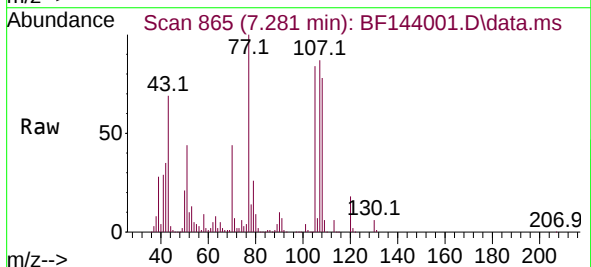
Manual Integrations
APPROVED

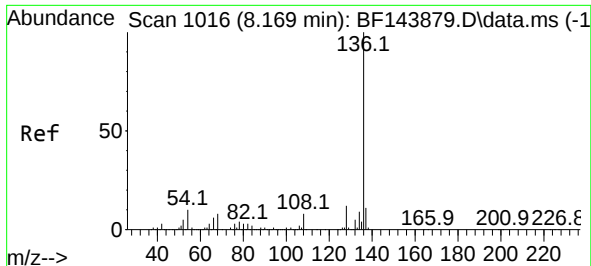
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#20
3+4-Methylphenols
Concen: 45.251 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

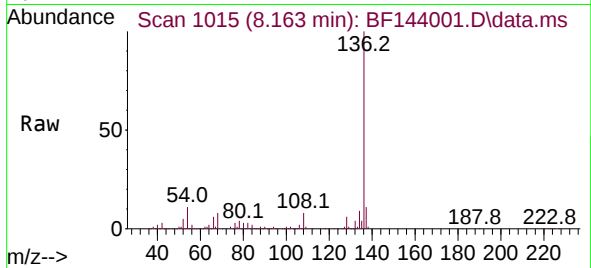
Tgt Ion:107 Resp: 267791
Ion Ratio Lower Upper
107 100
108 89.3 73.0 113.0
77 115.1 64.6 104.6#
79 29.4 11.5 51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

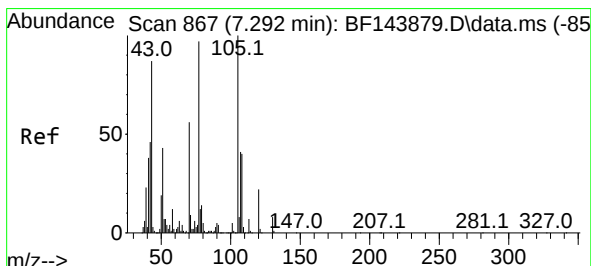
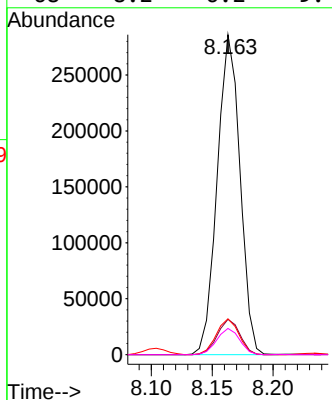
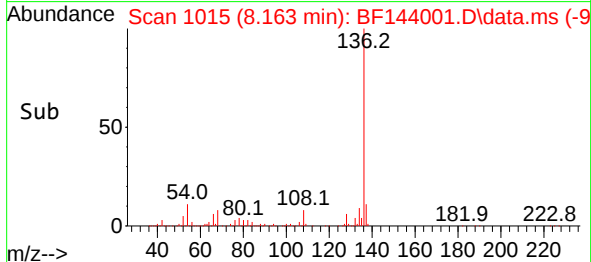
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion:136 Resp: 371973
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.2 8.2 12.4
68 8.2 6.2 9.4

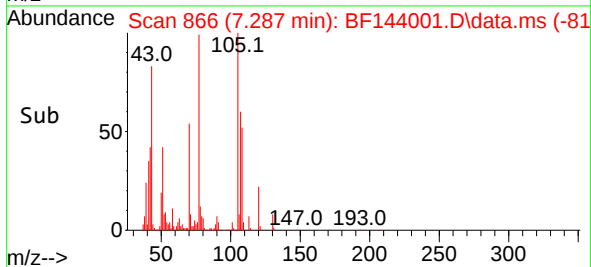
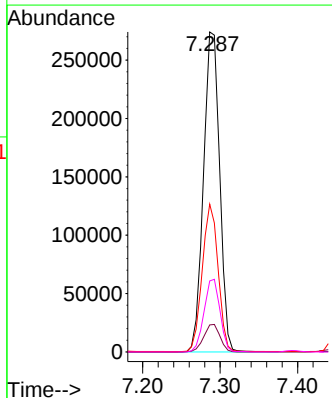
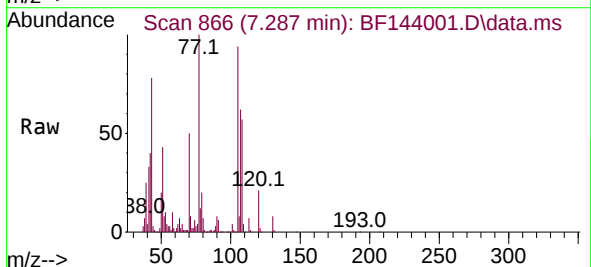
Manual Integrations
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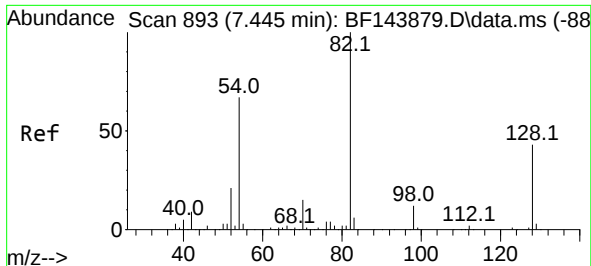
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#22
Acetophenone
Concen: 50.507 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:105 Resp: 397242
Ion Ratio Lower Upper
105 100
71 8.4 7.4 11.0
51 46.2 34.2 51.4
120 22.2 17.7 26.5





#23

Nitrobenzene-d5

Concen: 46.387 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

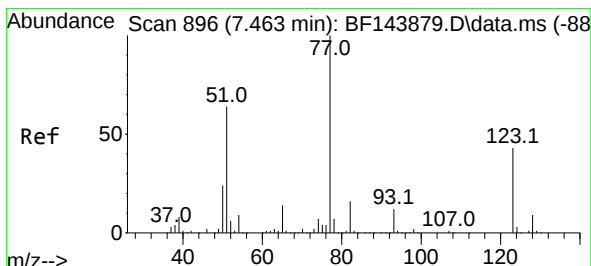
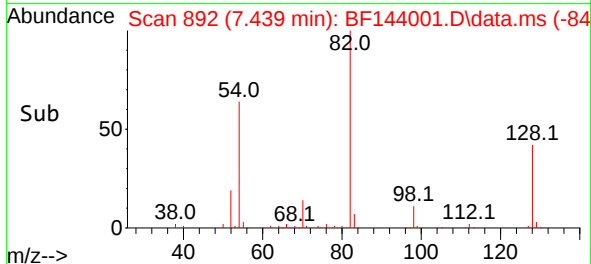
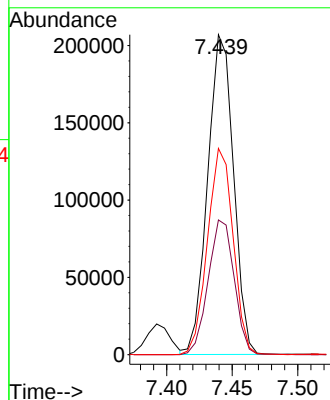
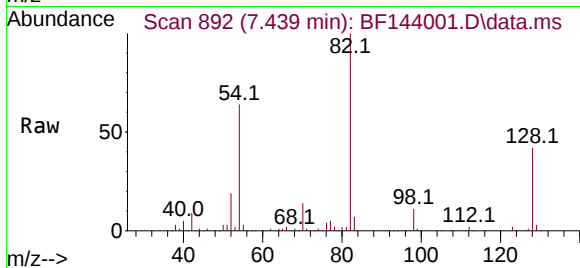
VNJ-245MSD

Tgt Ion: 82 Resp: 284005
 Ion Ratio Lower Upper
 82 100
 128 42.1 34.0 51.0
 54 64.4 53.2 79.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025



#24

Nitrobenzene

Concen: 48.565 ng

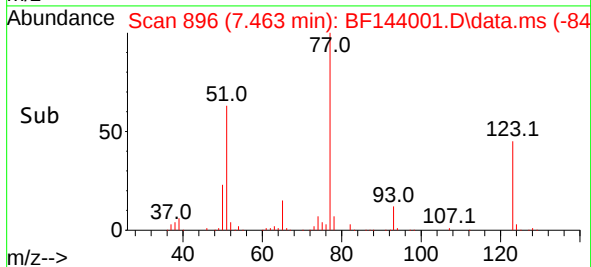
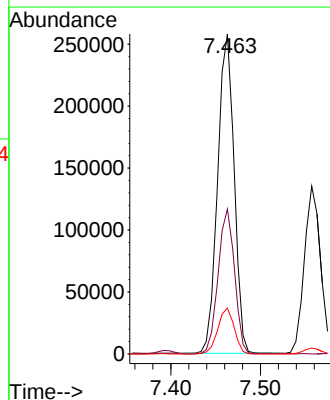
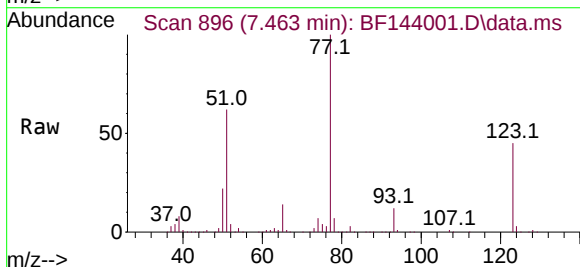
RT: 7.463 min Scan# 896

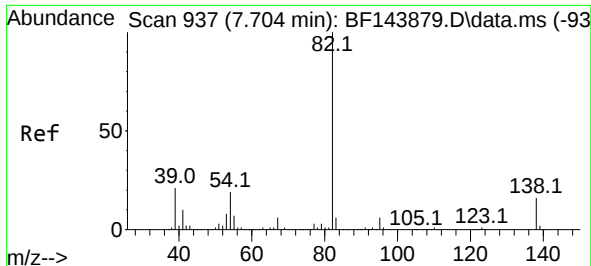
Delta R.T. -0.012 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Tgt Ion: 77 Resp: 330200
 Ion Ratio Lower Upper
 77 100
 123 45.3 34.2 51.4
 65 14.3 11.0 16.6





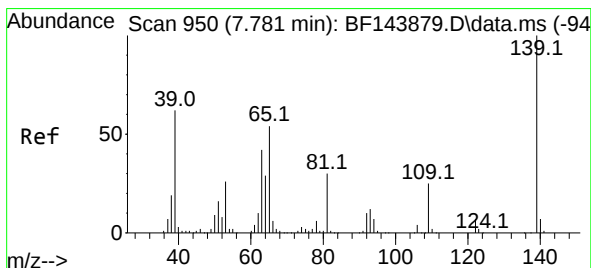
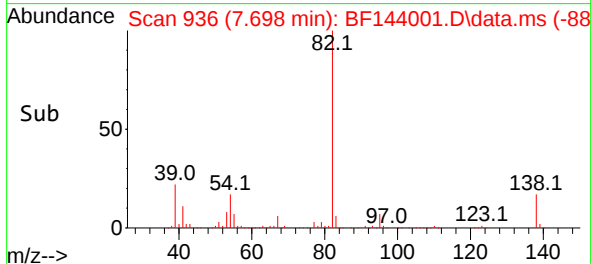
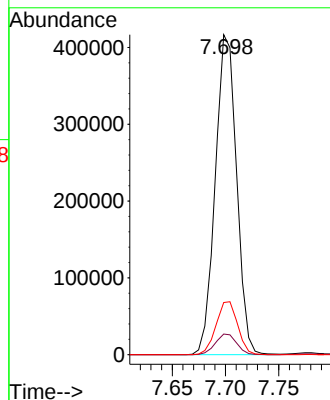
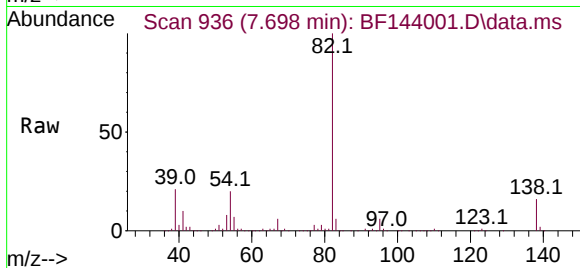
#25
Isophorone
Concen: 45.065 ng
RT: 7.698 min Scan# 937
Delta R.T. -0.023 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD

Tgt Ion: 82 Resp: 581778
Ion Ratio Lower Upper
82 100
95 6.4 5.1 7.7
138 16.3 12.9 19.3

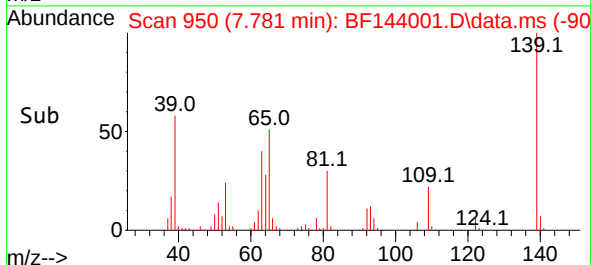
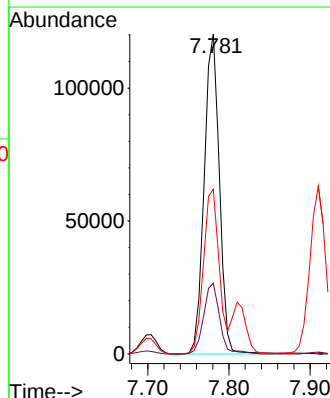
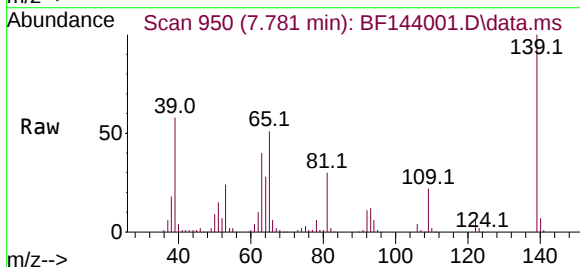
Manual Integrations
APPROVED

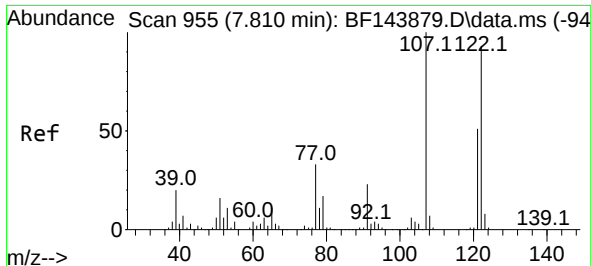
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#26
2-Nitrophenol
Concen: 53.695 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:139 Resp: 156521
Ion Ratio Lower Upper
139 100
109 22.1 19.8 29.6
65 51.4 42.9 64.3





#27
2,4-Dimethylphenol
Concen: 50.078 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

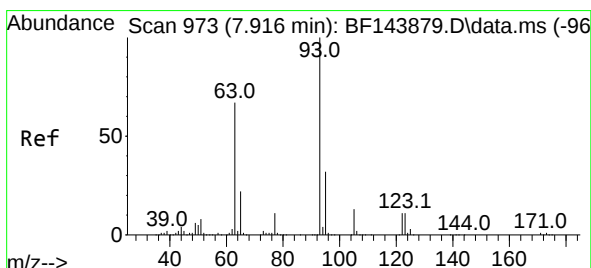
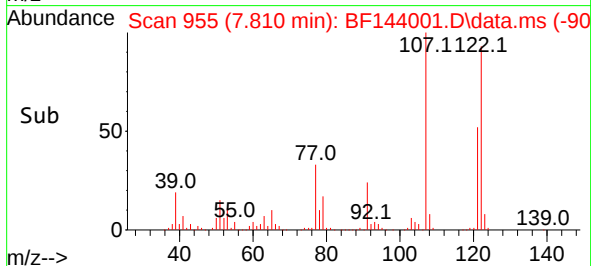
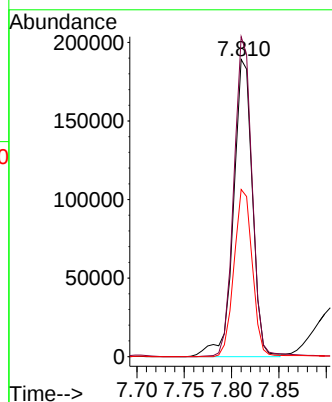
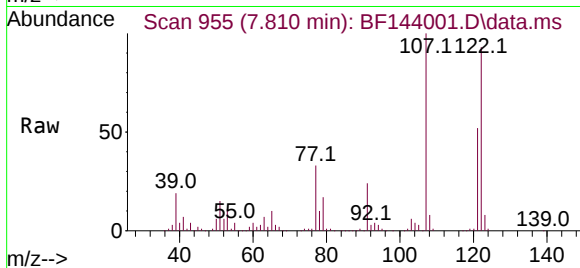
ClientSampleId :

VNJ-245MSD

Tgt Ion:122 Resp: 262595
Ion Ratio Lower Upper
122 100
107 107.7 86.1 129.1
121 56.2 43.8 65.6

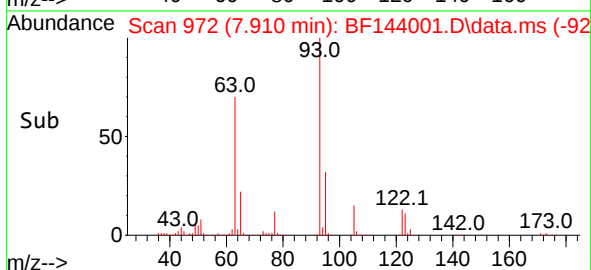
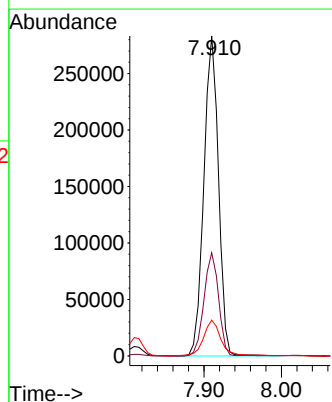
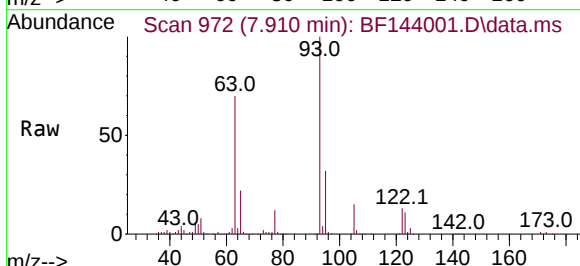
Manual Integrations
APPROVED

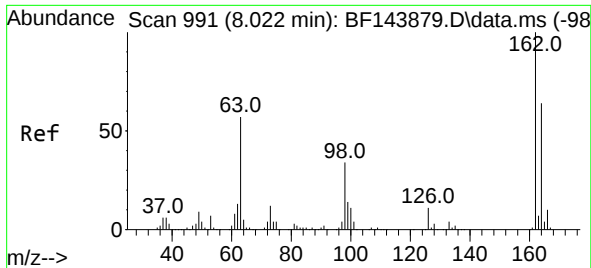
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#28
bis(2-Chloroethoxy)methane
Concen: 45.407 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion: 93 Resp: 370290
Ion Ratio Lower Upper
93 100
95 32.2 25.9 38.9
123 11.2 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 45.533 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

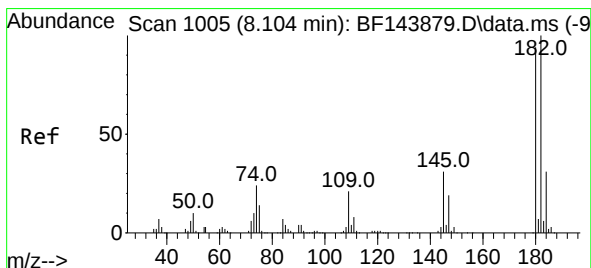
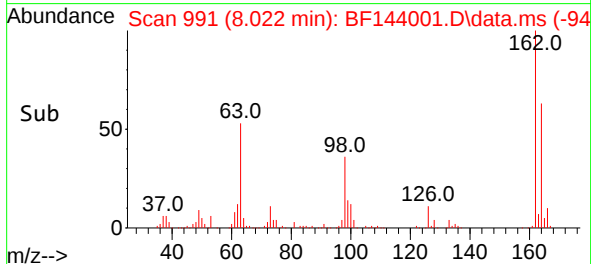
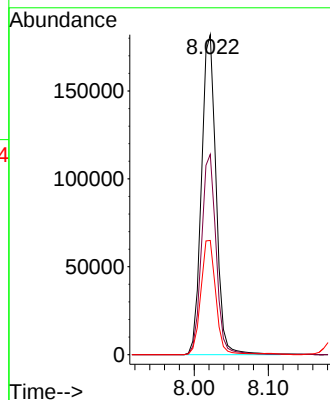
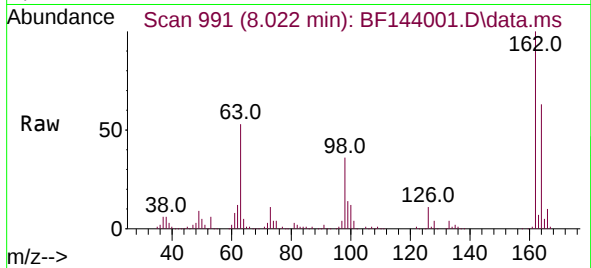
Tgt Ion:162 Resp: 248700
 Ion Ratio Lower Upper
 162 100
 164 62.6 43.9 83.9
 98 35.7 14.4 54.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#30

1,2,4-Trichlorobenzene

Concen: 47.986 ng

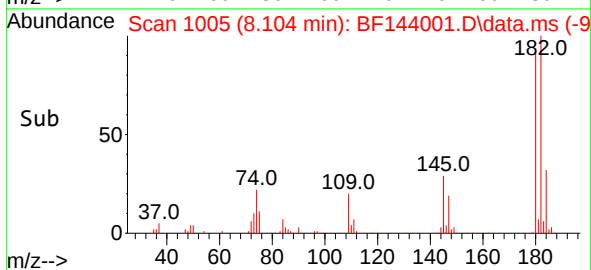
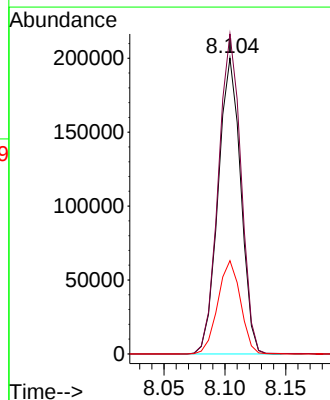
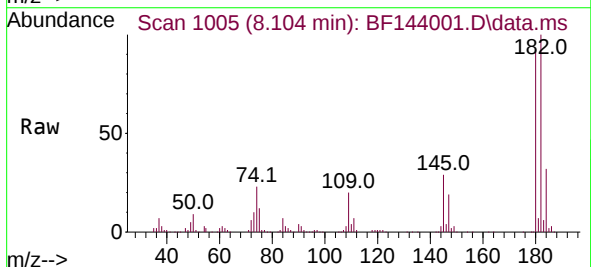
RT: 8.104 min Scan# 1005

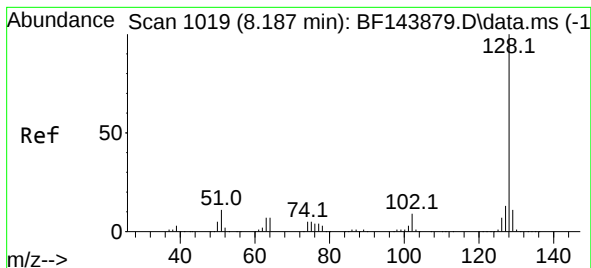
Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Tgt Ion:180 Resp: 257772
 Ion Ratio Lower Upper
 180 100
 182 108.2 85.4 128.0
 145 31.5 26.3 39.5





#31

Naphthalene

Concen: 45.519 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

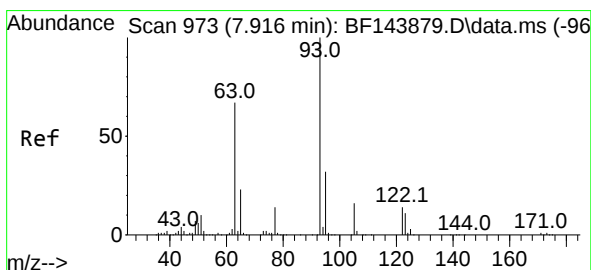
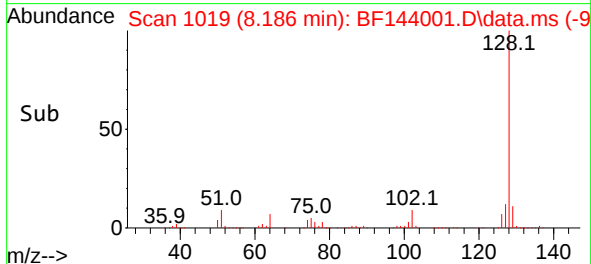
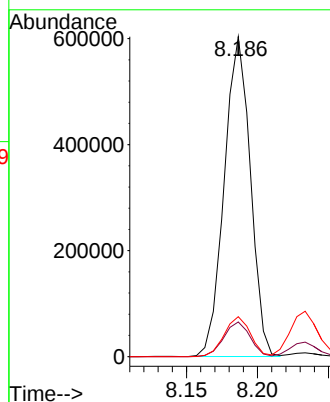
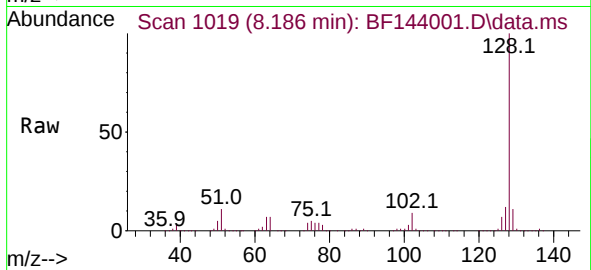
Tgt Ion:128 Resp: 770212
 Ion Ratio Lower Upper
 128 100
 129 10.8 8.7 13.1
 127 12.5 10.0 15.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#32

Benzoic acid

Concen: 42.190 ng

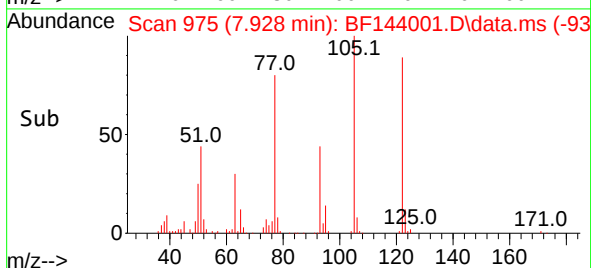
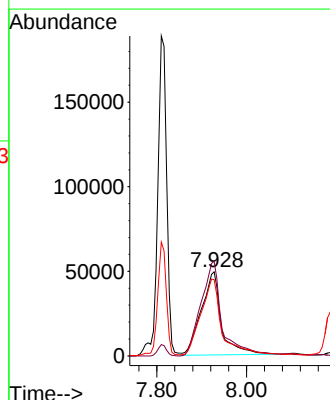
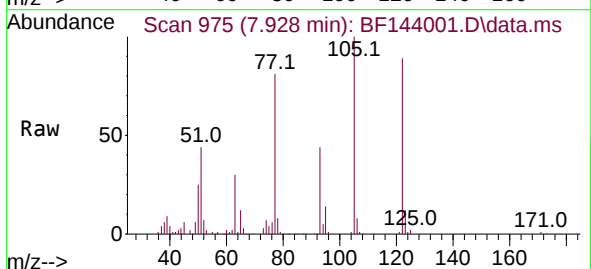
RT: 7.928 min Scan# 975

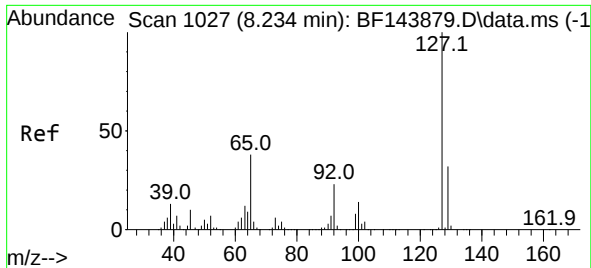
Delta R.T. -0.035 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Tgt Ion:122 Resp: 153108
 Ion Ratio Lower Upper
 122 100
 105 112.6 93.5 133.5
 77 90.7 76.3 116.3





#33
4-Chloroaniline
Concen: 19.437 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

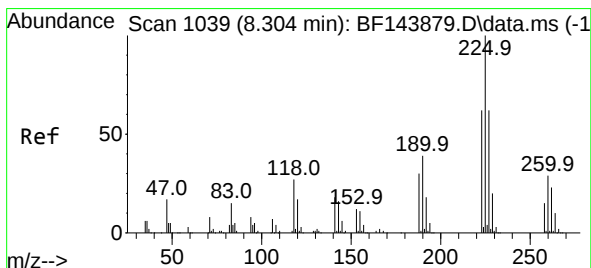
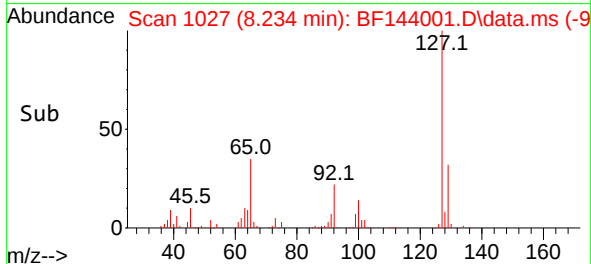
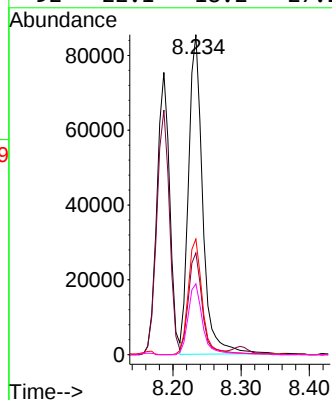
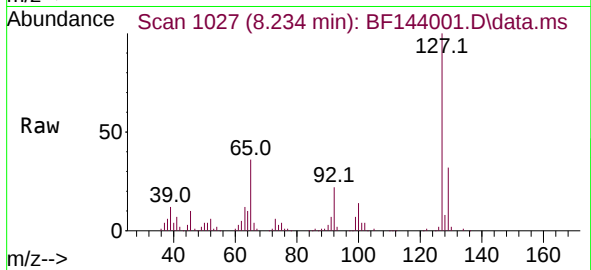
VNJ-245MSD

Tgt Ion:127 Resp: 12334
Ion Ratio Lower Upper
127 100
129 31.8 25.8 38.8
65 36.1 30.0 45.0
92 22.1 18.2 27.2

Manual Integrations

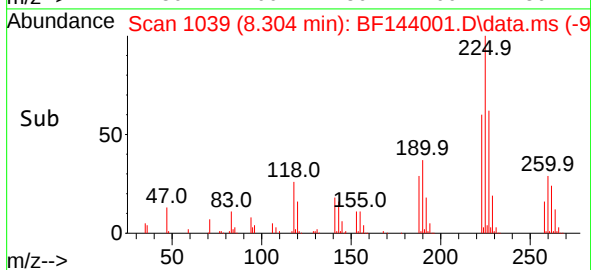
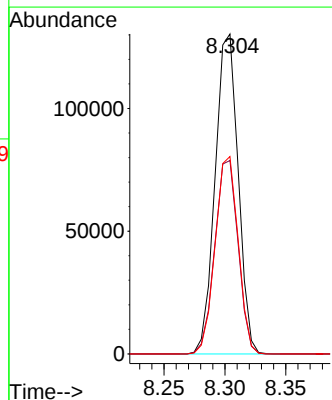
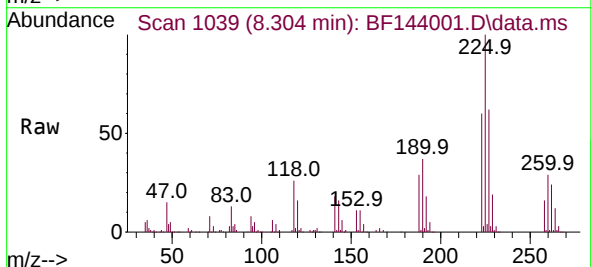
APPROVED

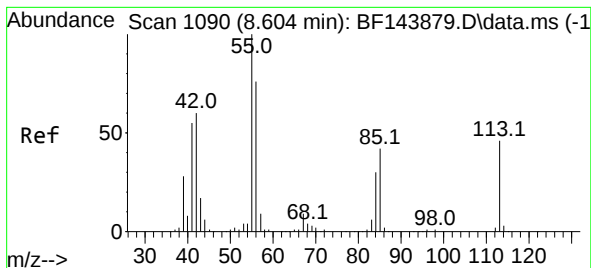
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#34
Hexachlorobutadiene
Concen: 45.837 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:225 Resp: 171103
Ion Ratio Lower Upper
225 100
223 60.4 49.4 74.2
227 61.7 49.7 74.5





#35

Caprolactam

Concen: 45.033 ng

RT: 8.598 min Scan# 1089

Delta R.T. -0.047 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

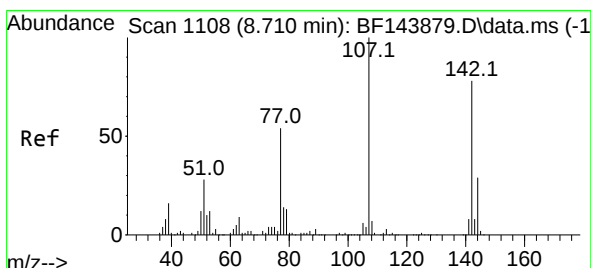
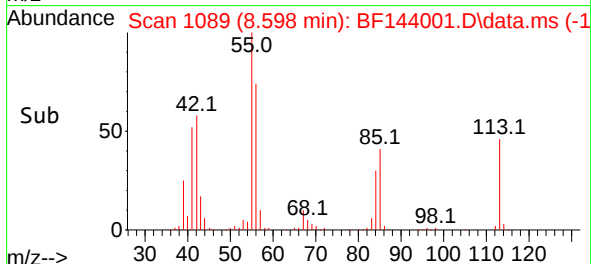
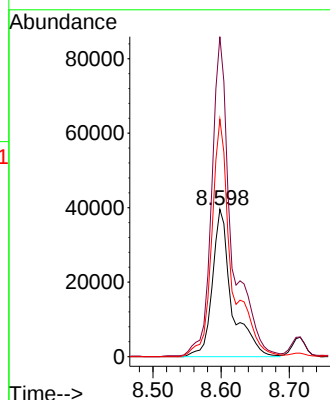
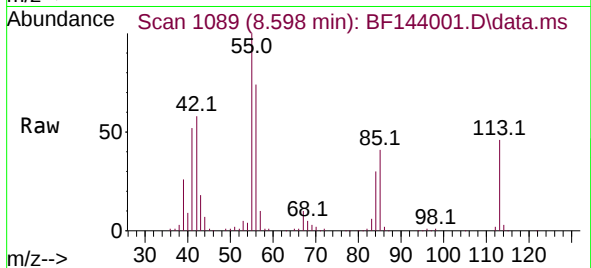
Tgt Ion:	113	Resp:	78209
Ion Ratio	Lower	Upper	
113	100		
55	217.3	199.6	239.6
56	161.2	146.0	186.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#36

4-Chloro-3-methylphenol

Concen: 44.644 ng

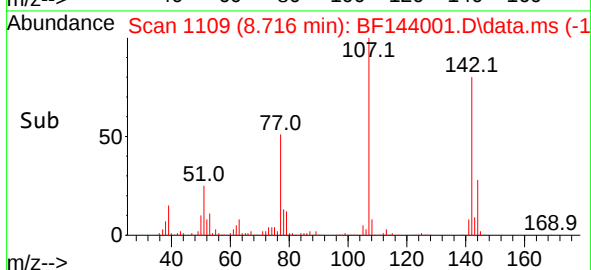
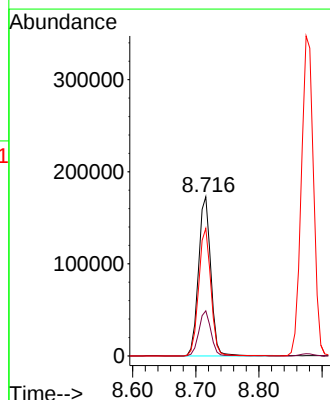
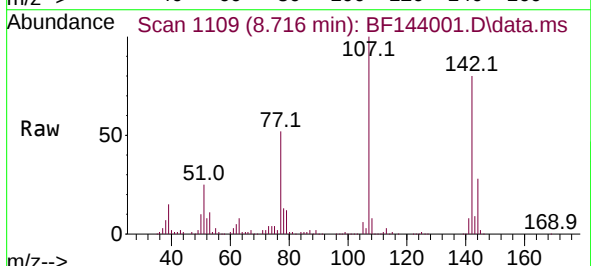
RT: 8.716 min Scan# 1109

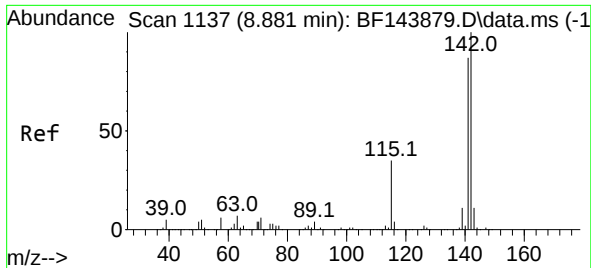
Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

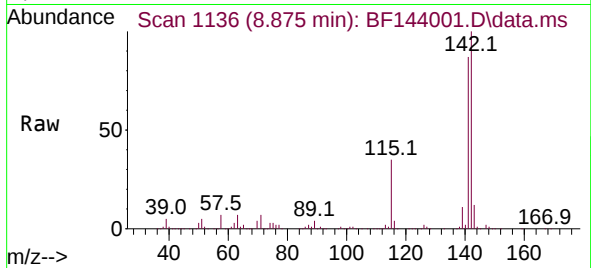
Tgt Ion:	107	Resp:	234233
Ion Ratio	Lower	Upper	
107	100		
144	28.3	23.1	34.7
142	80.1	62.6	94.0





#37
2-Methylnaphthalene
Concen: 41.016 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

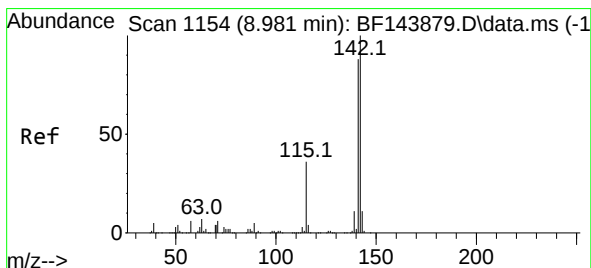
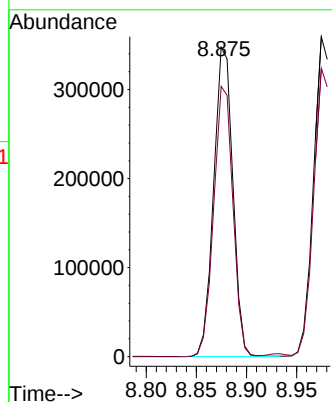
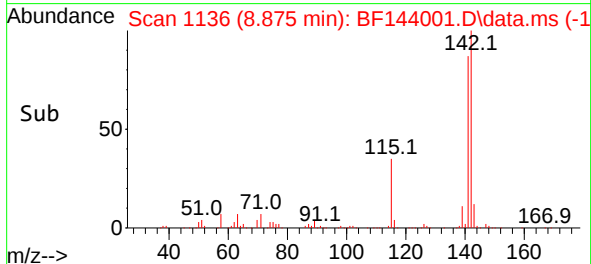
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion:142 Resp: 462308
Ion Ratio Lower Upper
142 100
141 87.3 69.2 103.8

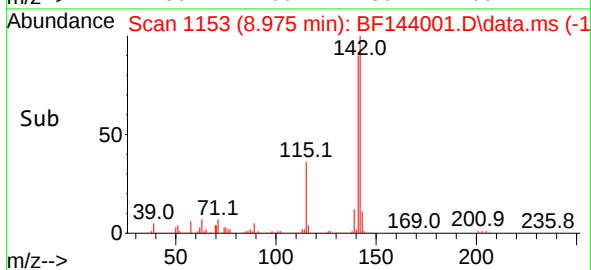
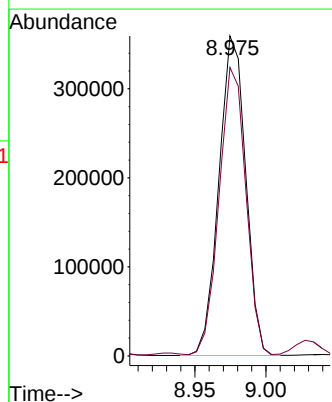
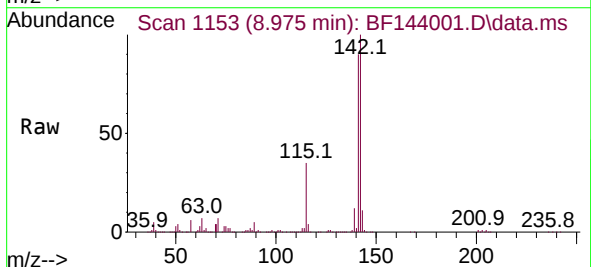
Manual Integrations
APPROVED

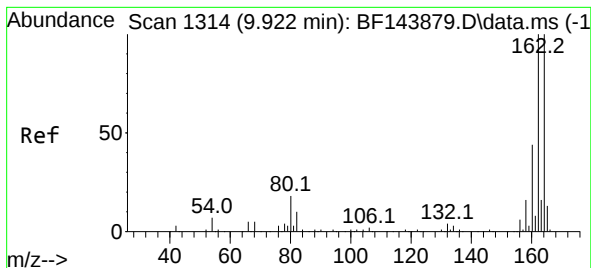
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#38
1-Methylnaphthalene
Concen: 43.027 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:142 Resp: 470408
Ion Ratio Lower Upper
142 100
141 90.1 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF144001.D

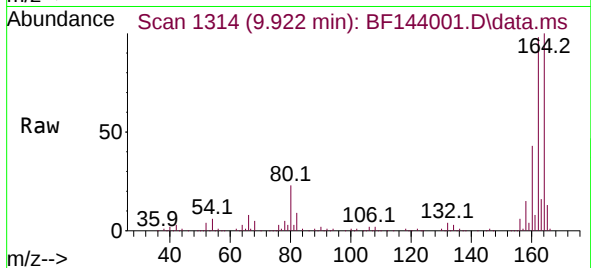
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD



Tgt Ion:164 Resp: 192676

Ion Ratio Lower Upper

164 100

162 98.3 80.2 120.2

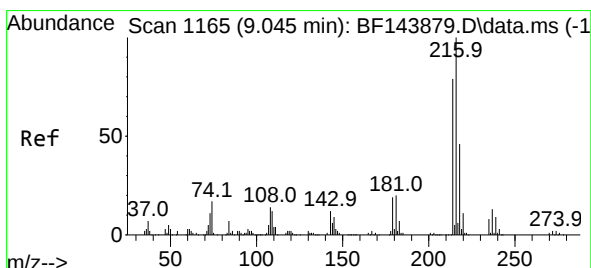
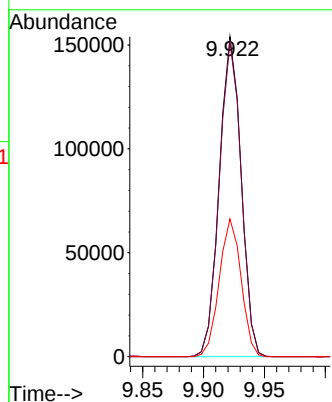
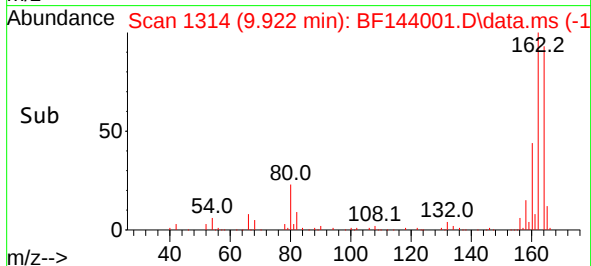
160 43.0 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.787 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Tgt Ion:216 Resp: 270457

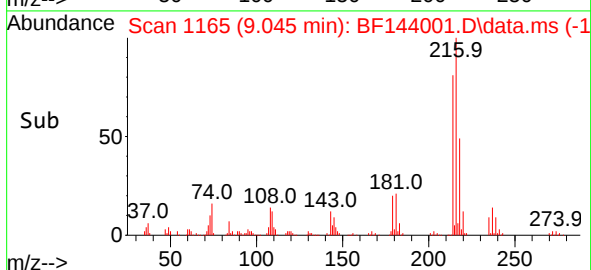
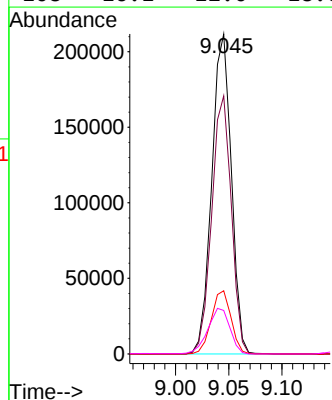
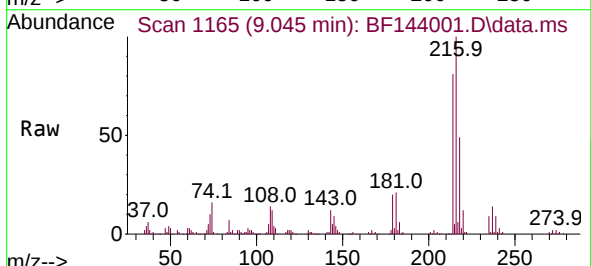
Ion Ratio Lower Upper

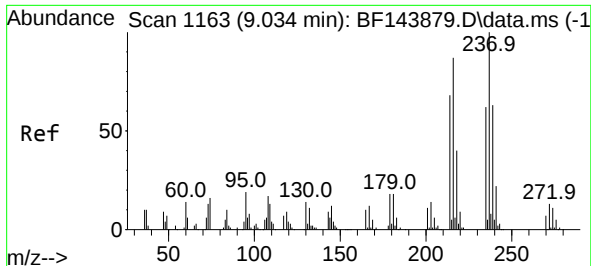
216 100

214 80.9 62.6 94.0

179 19.9 15.4 23.0

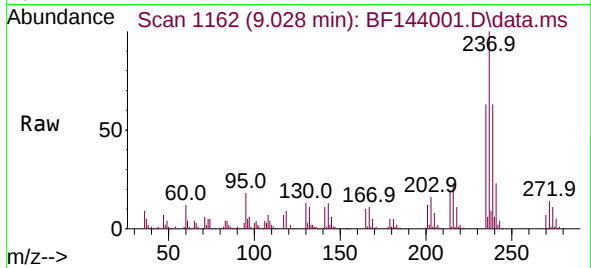
108 16.1 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 98.353 ng
RT: 9.028 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

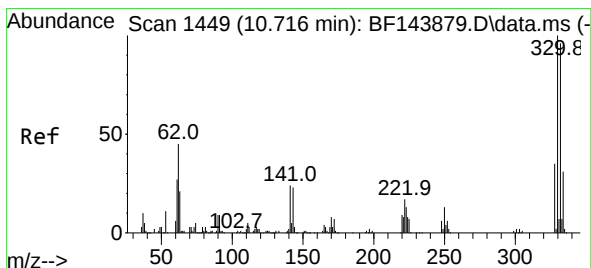
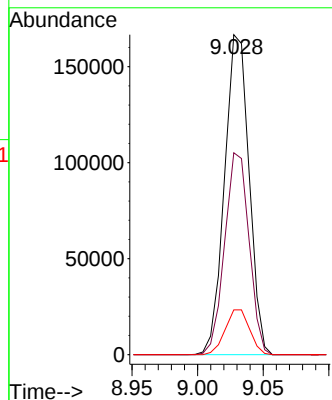
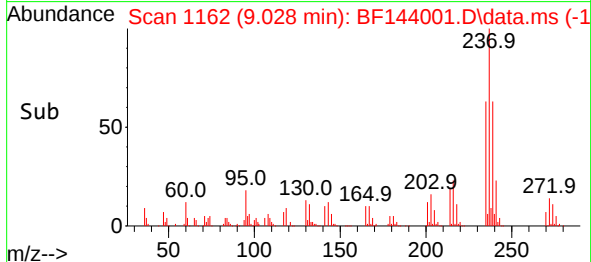
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



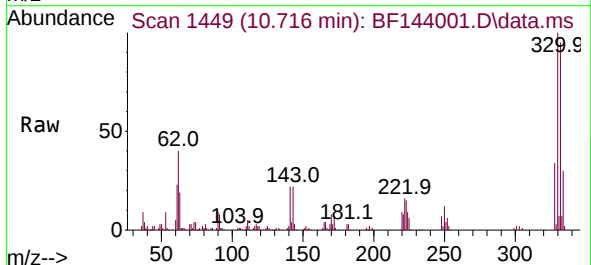
Tgt Ion: 237 Resp: 21728
Ion Ratio Lower Upper
237 100
235 63.1 42.3 82.3
272 14.0 0.0 33.1

Manual Integrations
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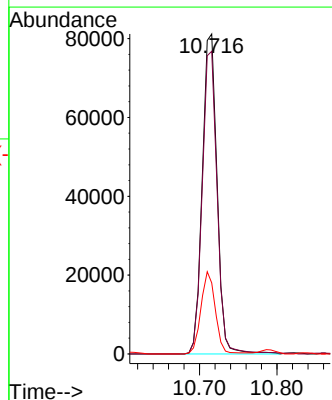
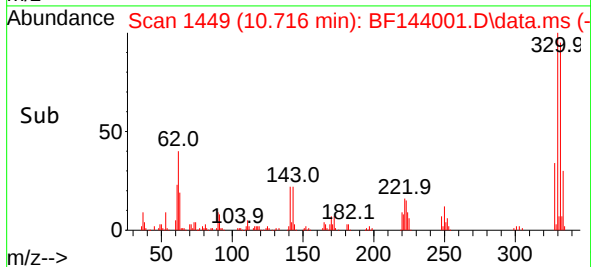
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

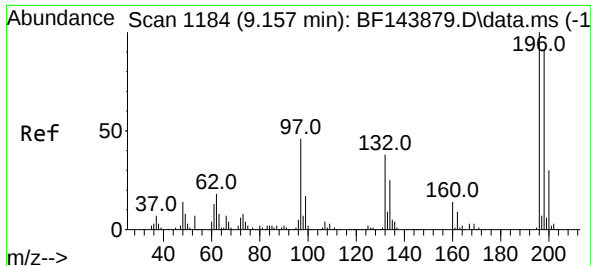


#42
2,4,6-Tribromophenol
Concen: 55.916 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



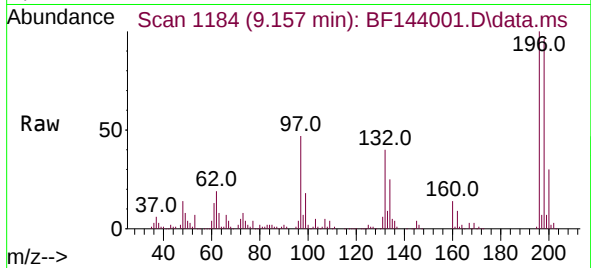
Tgt Ion: 330 Resp: 107308
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 25.1 20.2 30.4





#43
2,4,6-Trichlorophenol
Concen: 45.503 ng
RT: 9.157 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

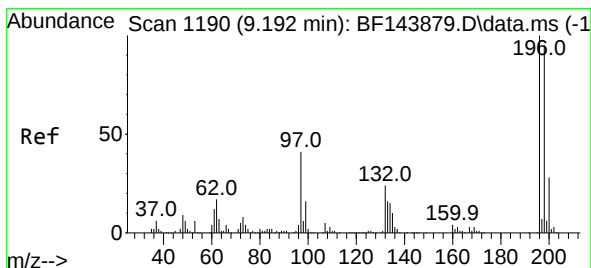
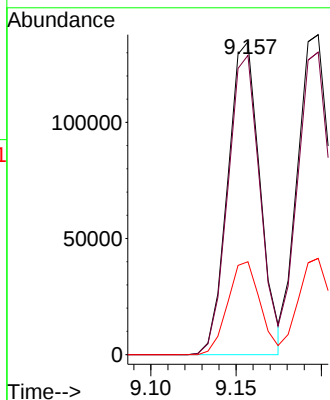
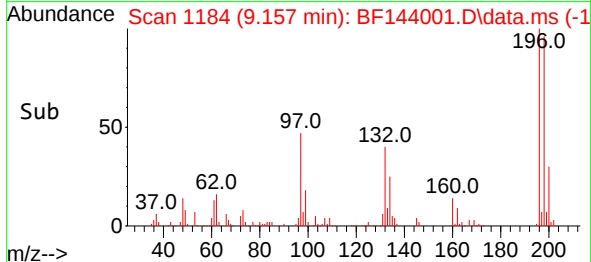
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



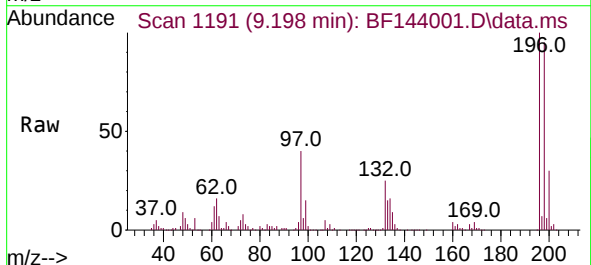
Tgt Ion:196 Resp: 177052
Ion Ratio Lower Upper
196 100
198 95.7 72.8 109.2
200 29.7 24.0 36.0

Manual Integrations
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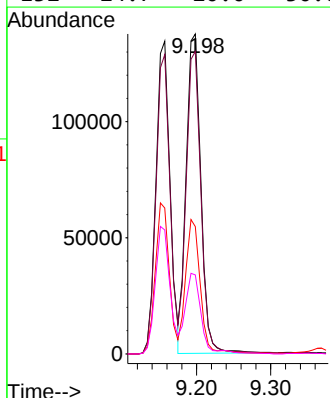
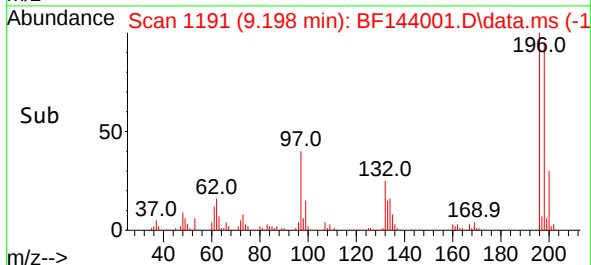
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

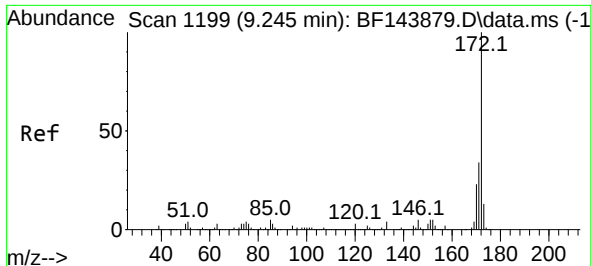


#44
2,4,5-Trichlorophenol
Concen: 46.289 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



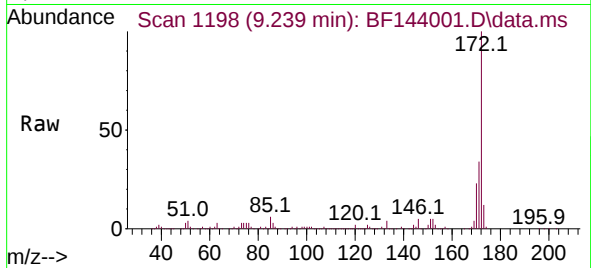
Tgt Ion:196 Resp: 190334
Ion Ratio Lower Upper
196 100
198 94.5 75.5 113.3
97 39.8 33.9 50.9
132 24.7 20.0 30.0





#45
2-Fluorobiphenyl
Concen: 32.157 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

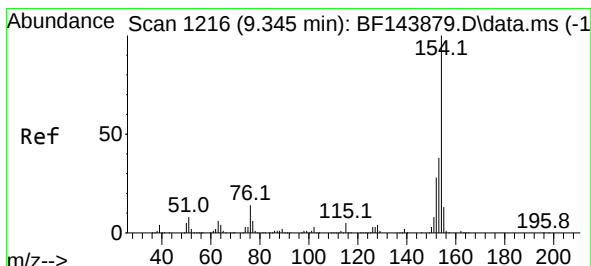
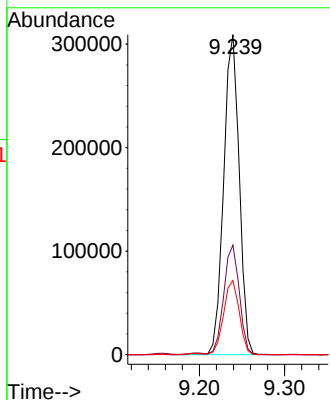
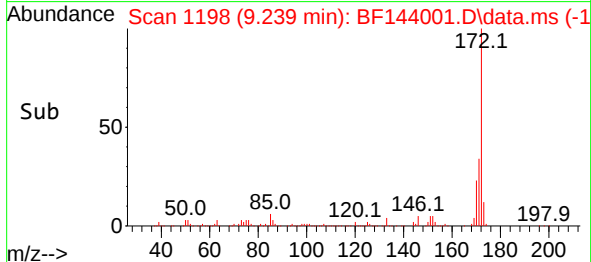
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



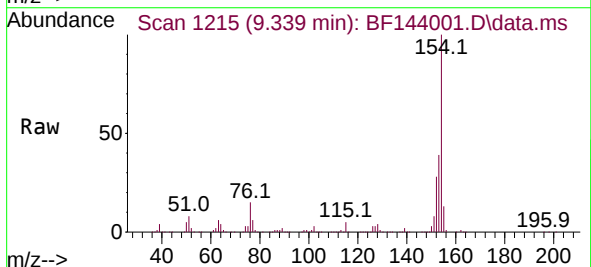
Tgt Ion:172 Resp: 390476
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.1 18.6 28.0

Manual Integrations
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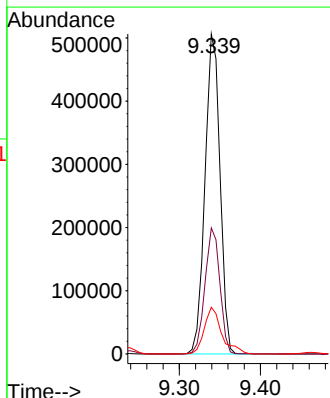
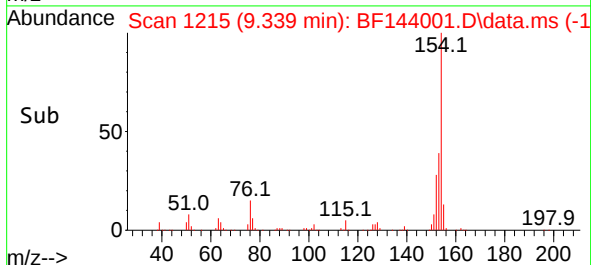
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

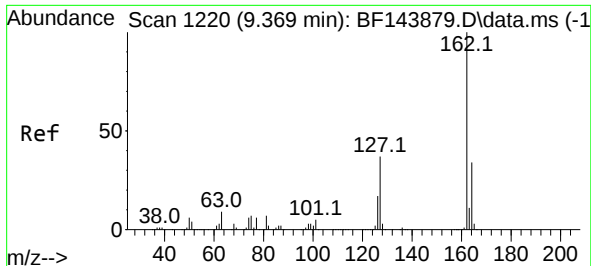


#46
1,1'-Biphenyl
Concen: 51.079 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:154 Resp: 651603
Ion Ratio Lower Upper
154 100
153 39.4 18.4 58.4
76 14.6 0.0 34.0





#47
2-Chloronaphthalene
Concen: 46.921 ng
RT: 9.369 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

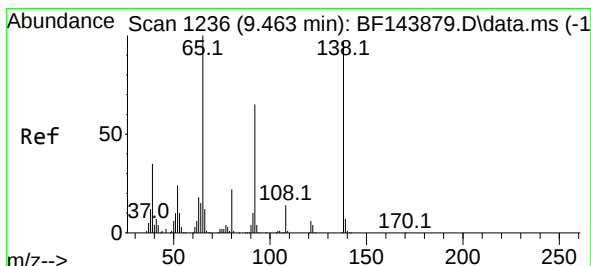
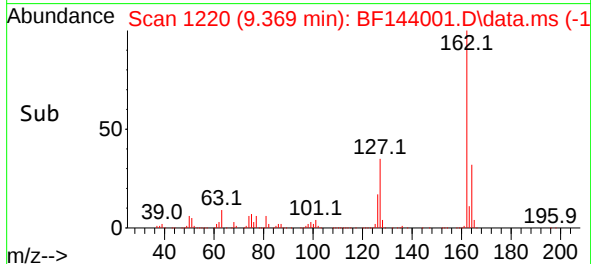
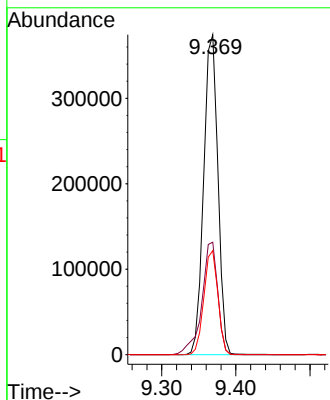
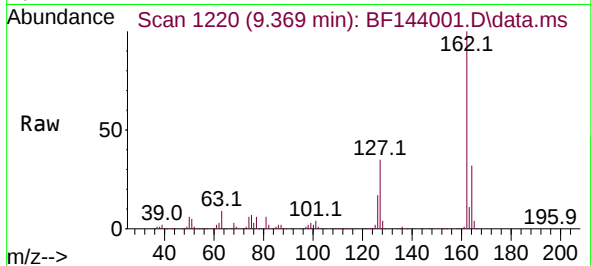
ClientSampleId :

VNJ-245MSD

Tgt Ion:162 Resp: 499056
Ion Ratio Lower Upper
162 100
127 35.1 30.2 45.2
164 32.5 26.9 40.3

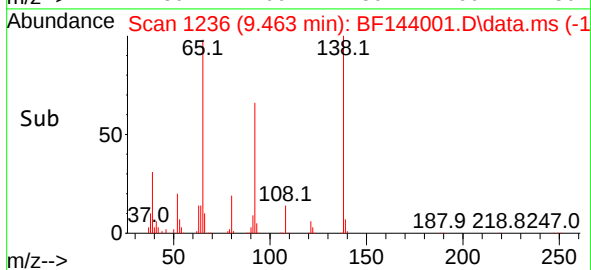
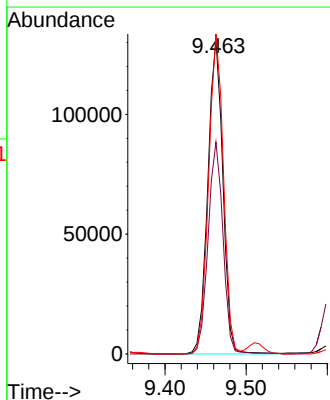
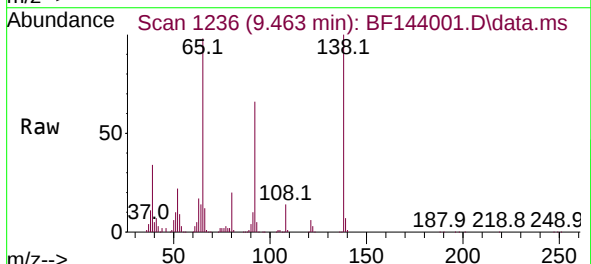
Manual Integrations
APPROVED

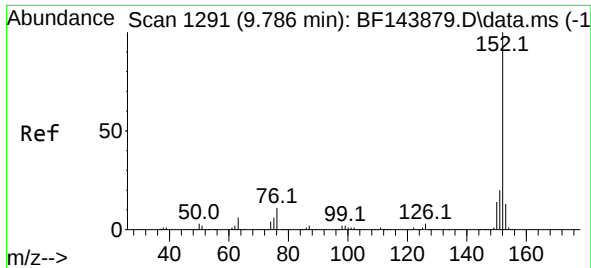
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#48
2-Nitroaniline
Concen: 50.378 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

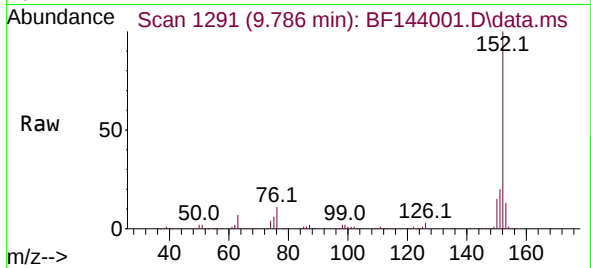
Tgt Ion: 65 Resp: 169406
Ion Ratio Lower Upper
65 100
92 67.4 52.1 78.1
138 101.9 77.4 116.2





#49
Acenaphthylene
Concen: 51.437 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

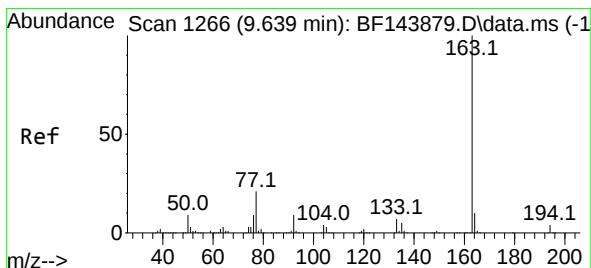
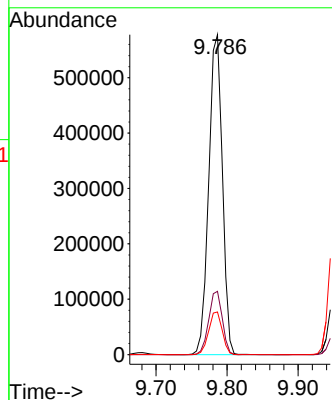
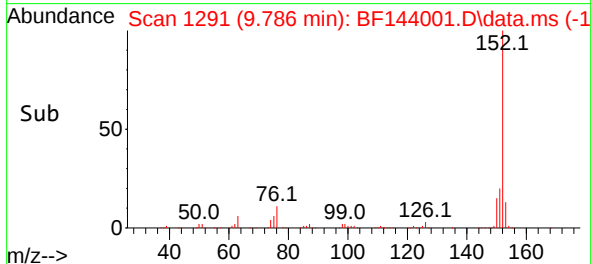
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



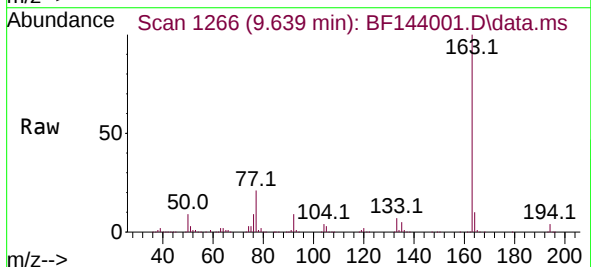
Tgt Ion:152 Resp: 769139
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.3 10.5 15.7

Manual Integrations
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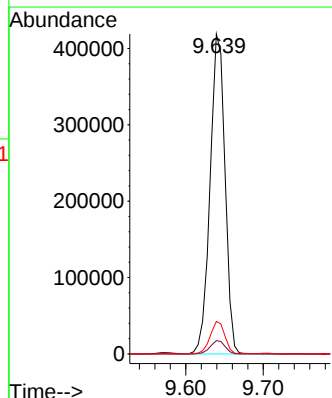
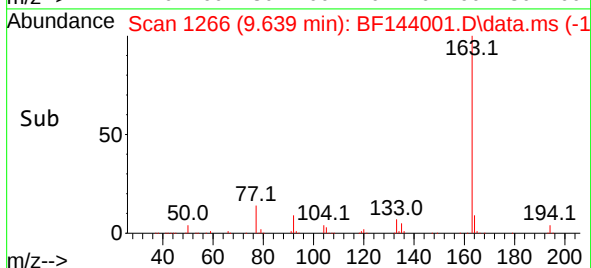
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

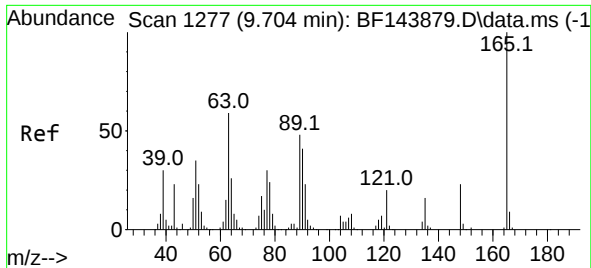


#50
Dimethylphthalate
Concen: 45.794 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



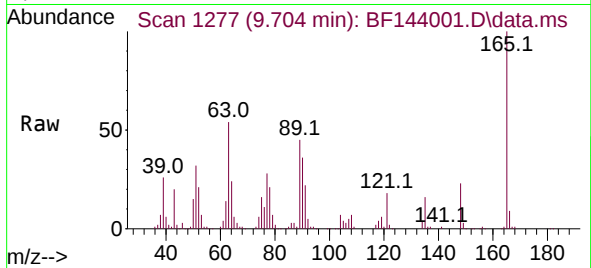
Tgt Ion:163 Resp: 560326
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 53.686 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

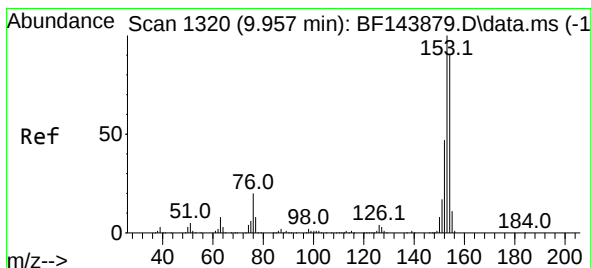
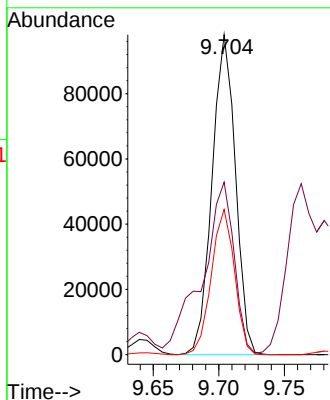
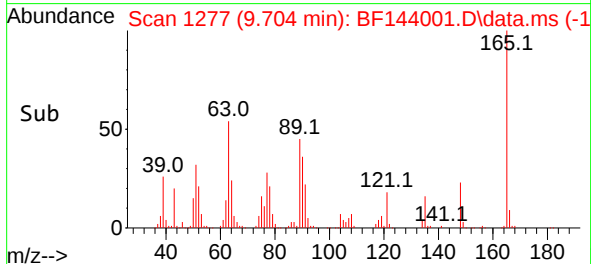
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion:165 Resp: 121807
Ion Ratio Lower Upper
165 100
63 53.9 47.3 70.9
89 45.4 38.2 57.4

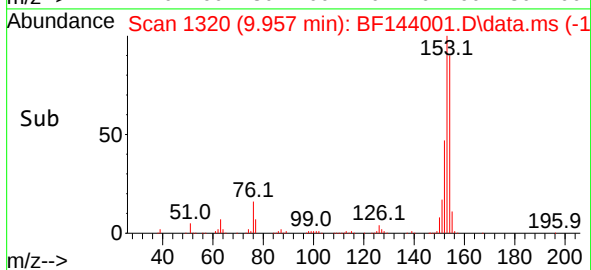
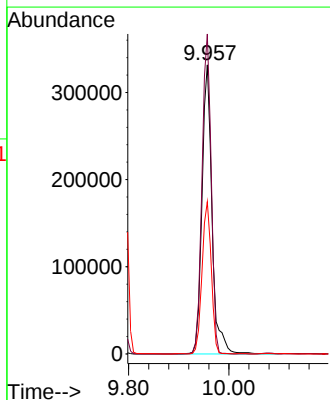
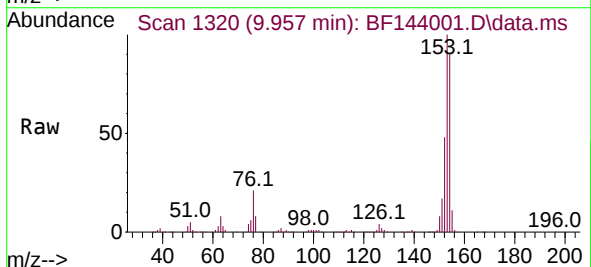
Manual Integrations
APPROVED

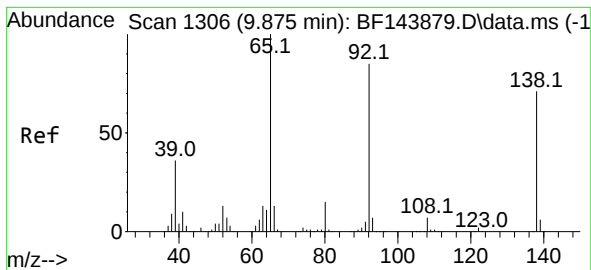
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#52
Acenaphthene
Concen: 47.023 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:154 Resp: 460729
Ion Ratio Lower Upper
154 100
153 110.7 89.3 133.9
152 52.6 42.2 63.2





#53
3-Nitroaniline
Concen: 29.336 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

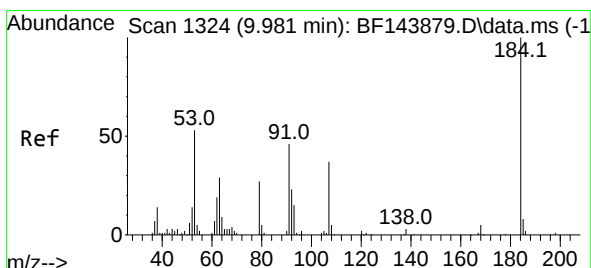
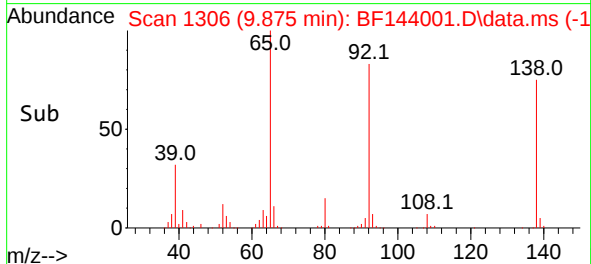
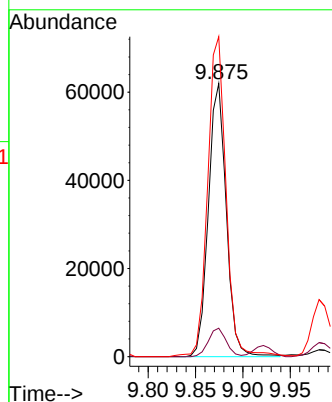
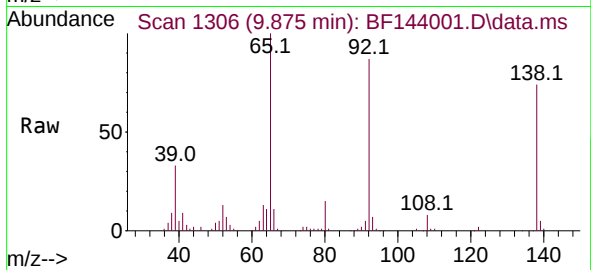
ClientSampleId :

VNJ-245MSD

Tgt Ion:138 Resp: 81500
Ion Ratio Lower Upper
138 100
108 10.4 8.3 12.5
92 117.2 96.2 144.2

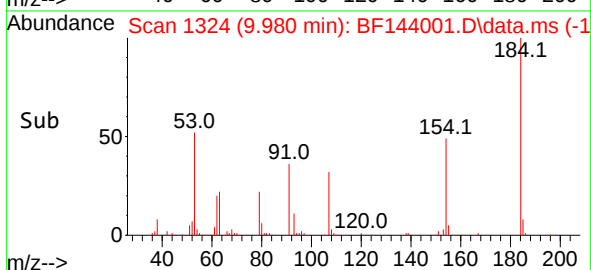
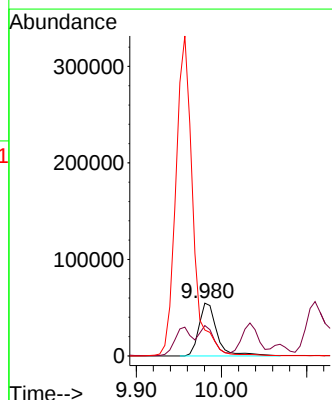
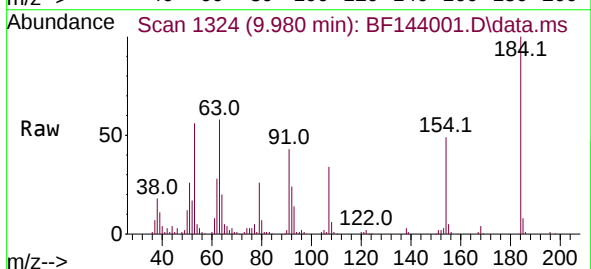
Manual Integrations
APPROVED

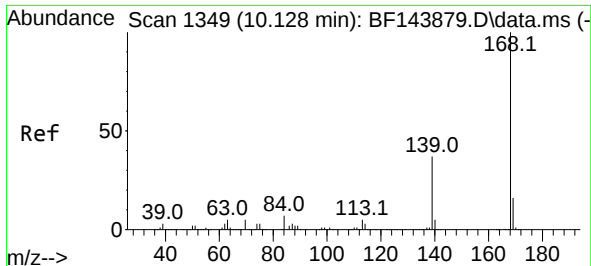
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#54
2,4-Dinitrophenol
Concen: 59.400 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

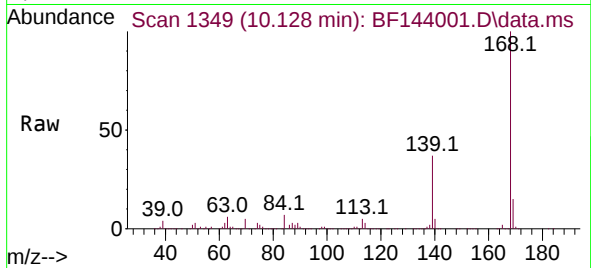
Tgt Ion:184 Resp: 80393
Ion Ratio Lower Upper
184 100
63 57.7 48.2 72.4
154 49.1 49.2 73.8#





#55
Dibenzofuran
Concen: 45.656 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

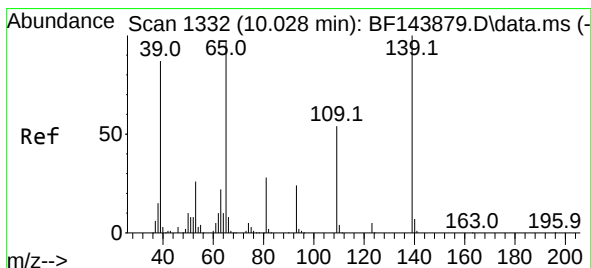
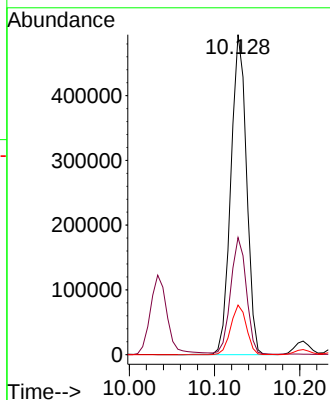
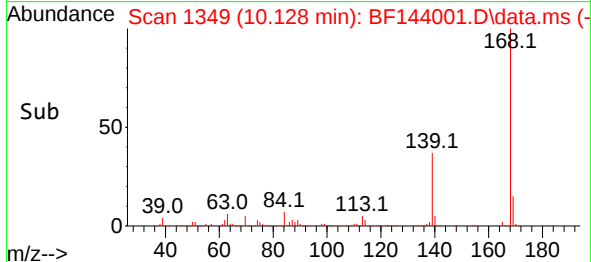
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



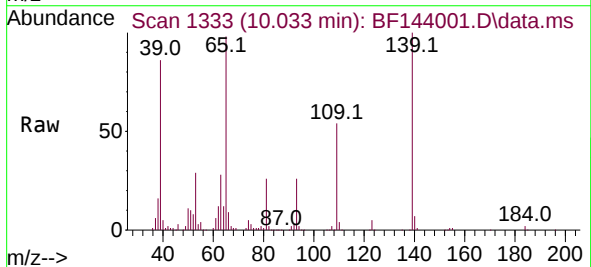
Tgt Ion:168 Resp: 631465
Ion Ratio Lower Upper
168 100
139 36.6 29.8 44.8
169 15.5 12.8 19.2

Manual Integrations
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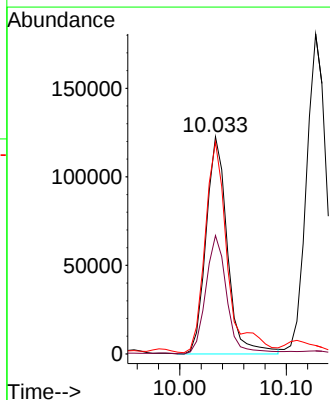
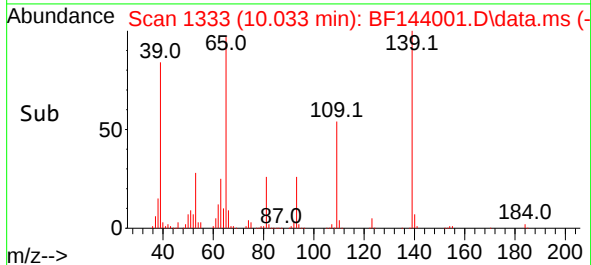
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

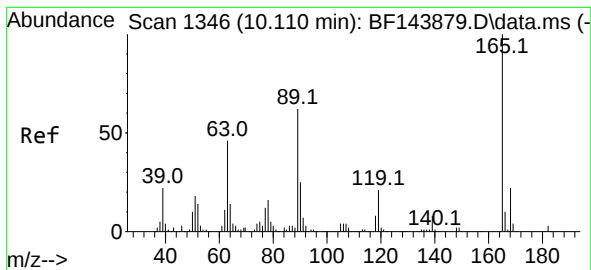


#56
4-Nitrophenol
Concen: 81.114 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



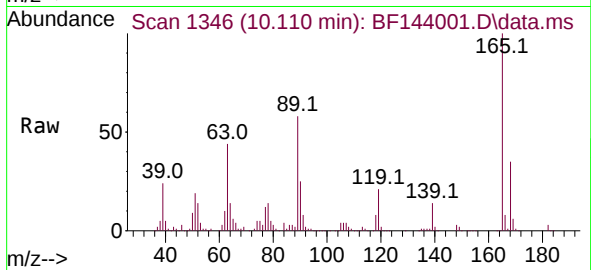
Tgt Ion:139 Resp: 170624
Ion Ratio Lower Upper
139 100
109 54.5 34.5 74.5
65 97.6 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 52.513 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

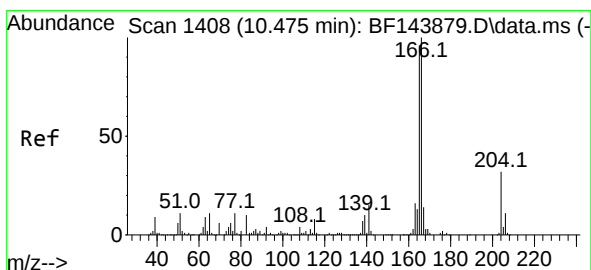
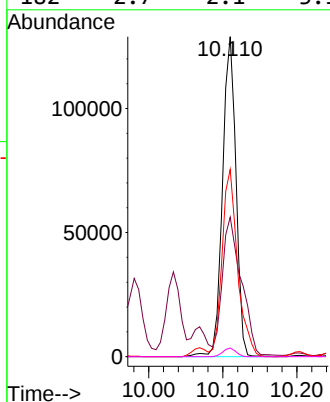
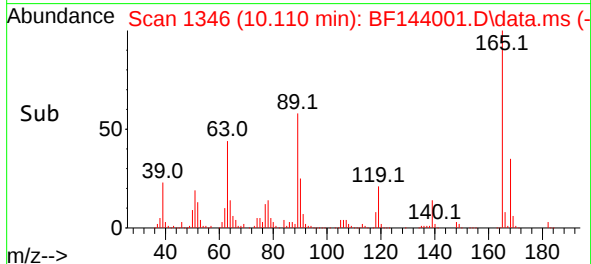
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion:165 Resp: 162114
Ion Ratio Lower Upper
165 100
63 43.6 37.2 55.8
89 58.5 49.4 74.2
182 2.7 2.1 3.1

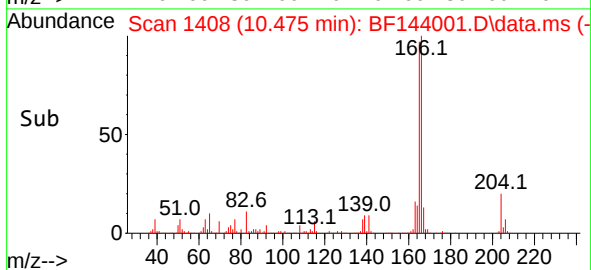
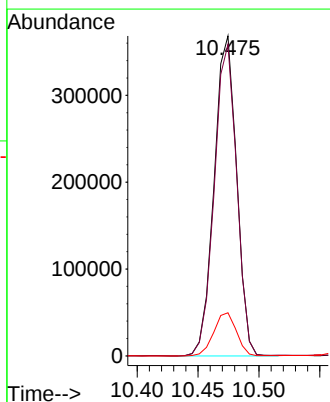
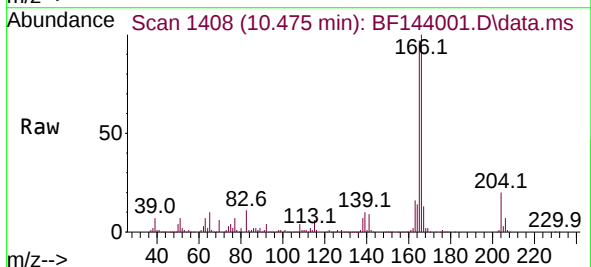
Manual Integrations
APPROVED

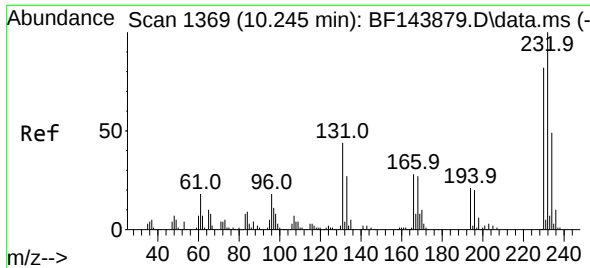
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#58
Fluorene
Concen: 45.380 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

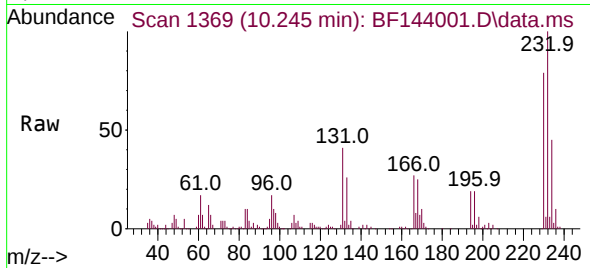
Tgt Ion:166 Resp: 473608
Ion Ratio Lower Upper
166 100
165 97.3 77.0 115.6
167 13.5 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.838 ng m
RT: 10.245 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

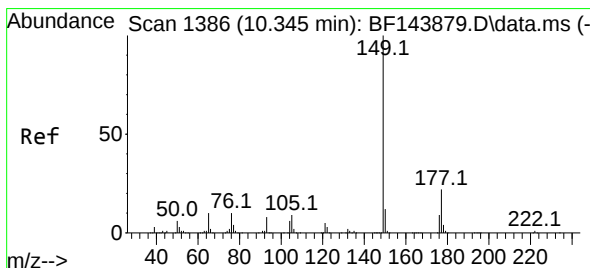
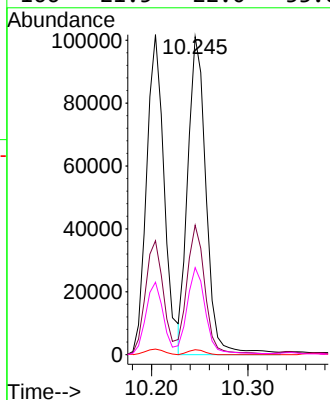
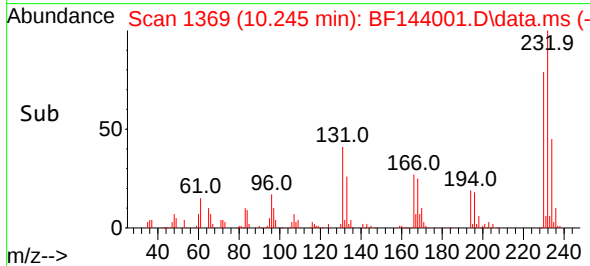
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



Tgt Ion:232 Resp: 133421
Ion Ratio Lower Upper
232 100
131 34.7 34.9 52.3
130 1.7 1.6 2.4
166 21.5 22.0 33.0#

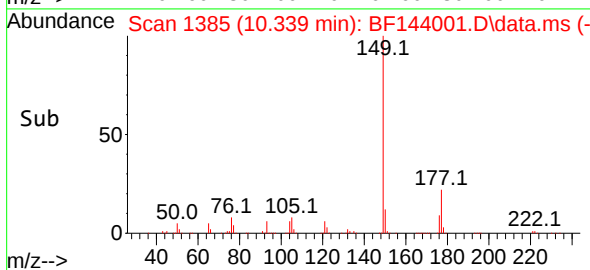
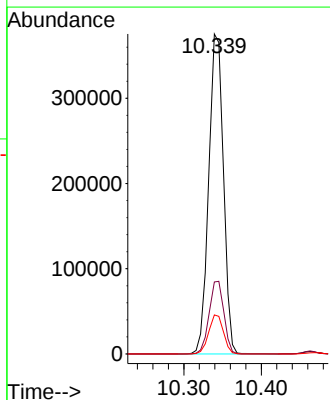
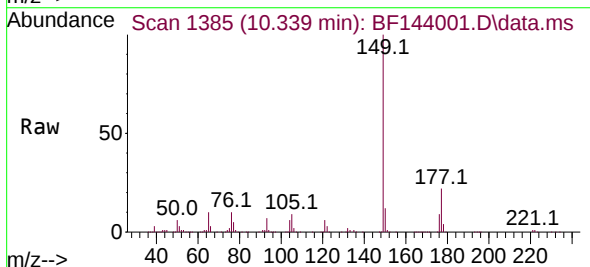
Manual Integrations
APPROVED

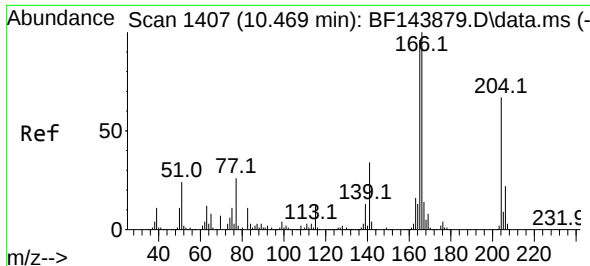
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#60
Diethylphthalate
Concen: 43.627 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

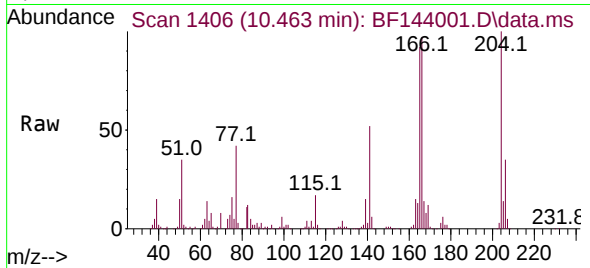
Tgt Ion:149 Resp: 495909
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.2 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 43.601 ng
RT: 10.463 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

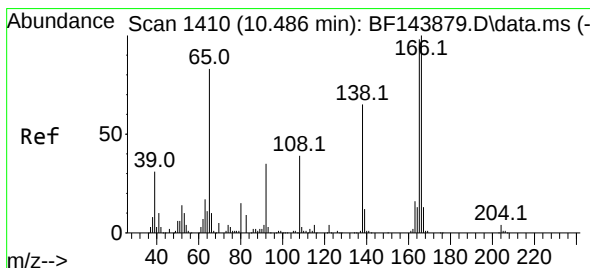
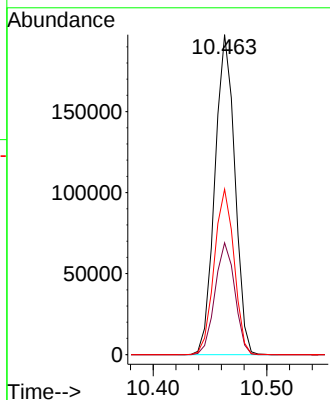
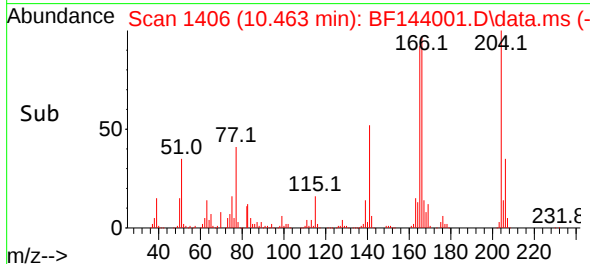
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



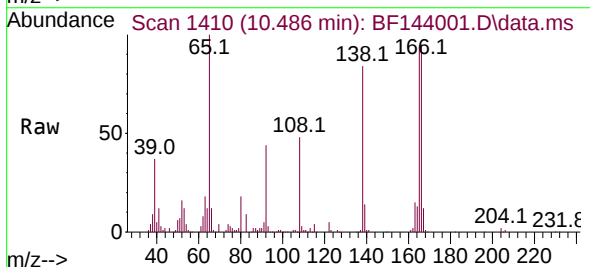
Tgt Ion:204 Resp: 240572
Ion Ratio Lower Upper
204 100
206 34.9 26.6 40.0
141 51.7 40.4 60.6

Manual Integrations
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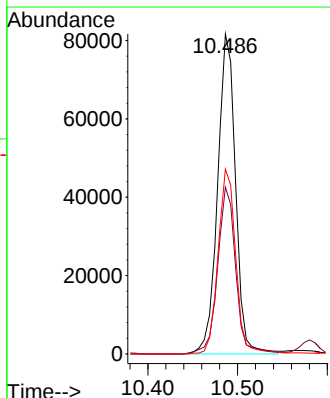
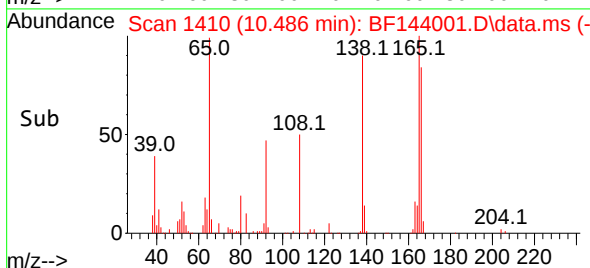
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

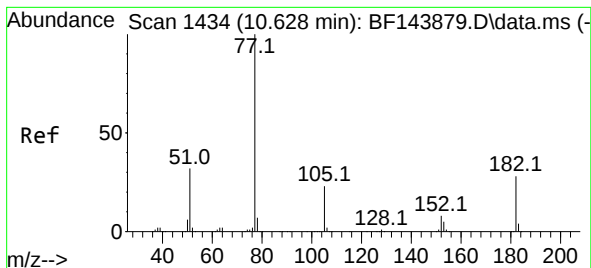


#62
4-Nitroaniline
Concen: 42.604 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



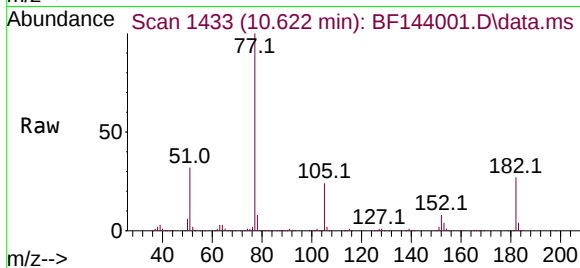
Tgt Ion:138 Resp: 113819
Ion Ratio Lower Upper
138 100
92 52.1 33.9 73.9
108 57.7 40.2 80.2





#63
Azobenzene
Concen: 47.463 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

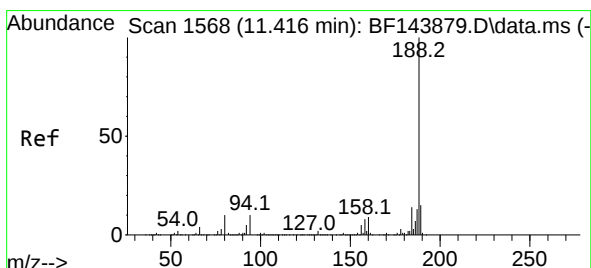
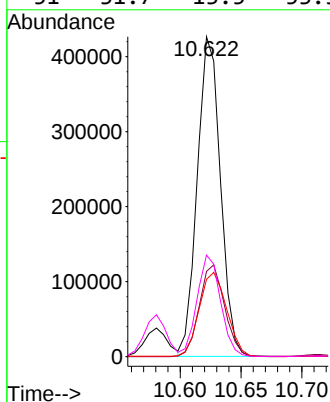
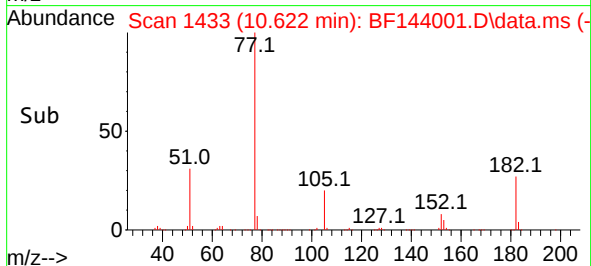
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



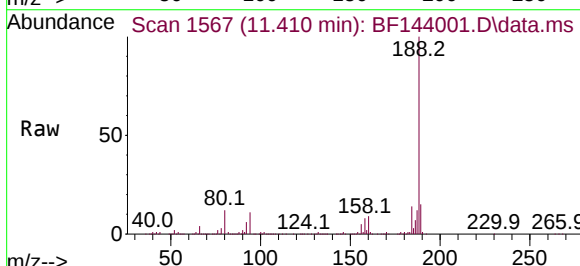
Tgt Ion: 77 Resp: 563873
Ion Ratio Lower Upper
77 100
182 26.6 7.3 47.3
105 24.1 3.0 43.0
51 31.7 13.5 53.5

Manual Integrations
APPROVED

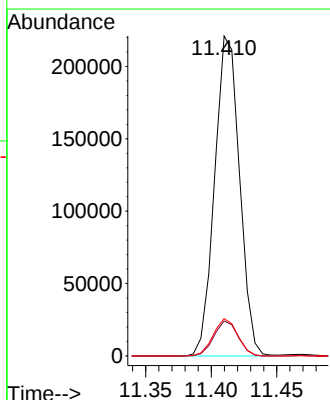
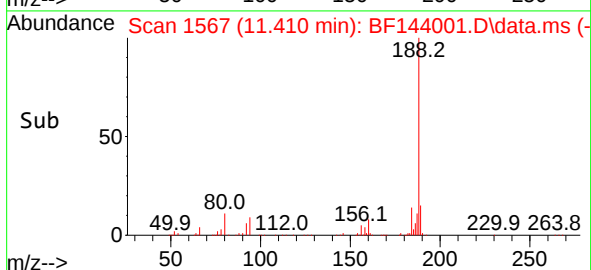
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

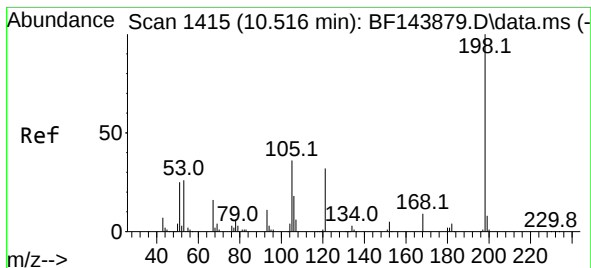


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:188 Resp: 292615
Ion Ratio Lower Upper
188 100
94 10.9 7.8 11.6
80 11.6 7.9 11.9





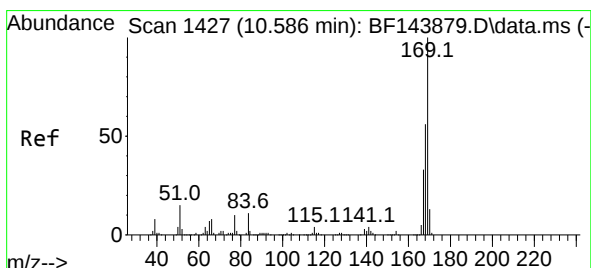
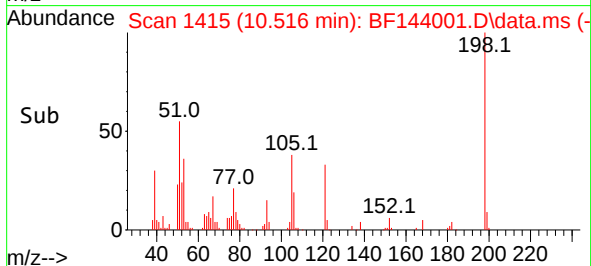
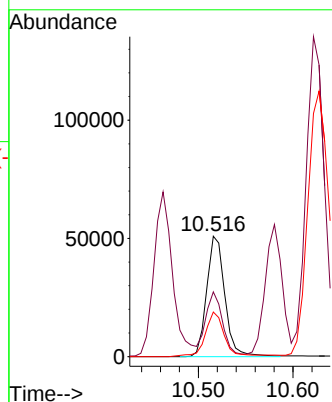
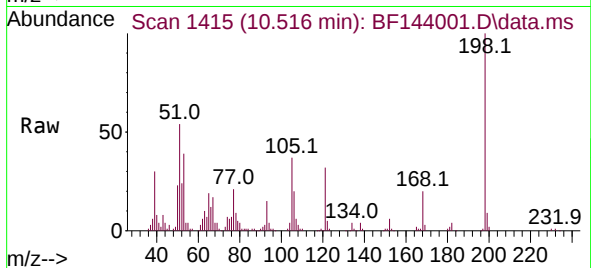
#65
4,6-Dinitro-2-methylphenol
Concen: 46.221 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD

Tgt Ion:198 Resp: 67962
Ion Ratio Lower Upper
198 100
51 53.7 33.8 73.8
105 37.0 17.0 57.0

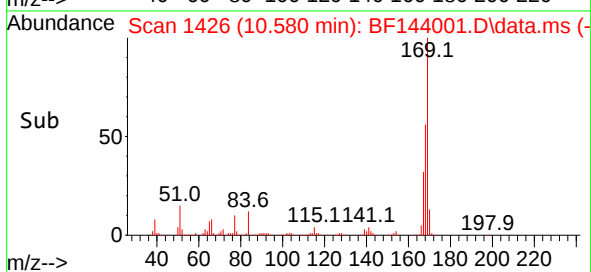
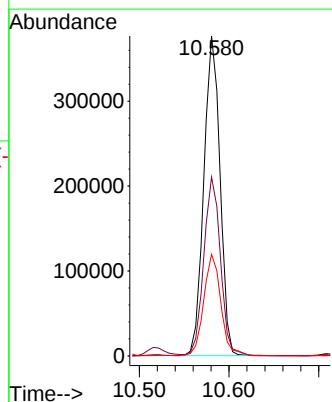
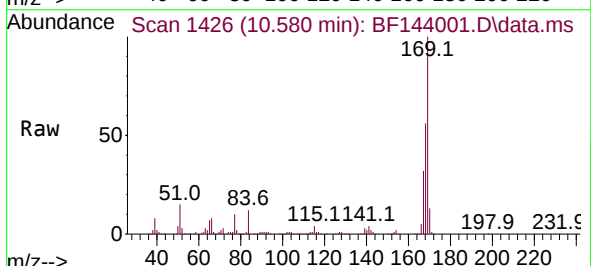
Manual Integrations
APPROVED

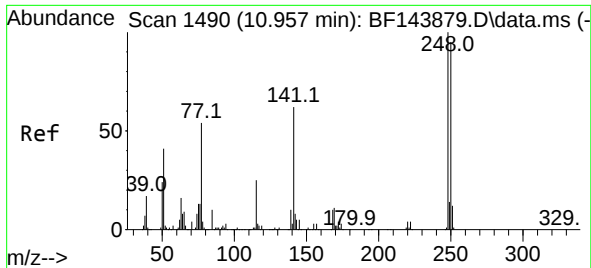
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#66
n-Nitrosodiphenylamine
Concen: 51.409 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:169 Resp: 472341
Ion Ratio Lower Upper
169 100
168 55.9 44.9 67.3
167 31.7 26.3 39.5





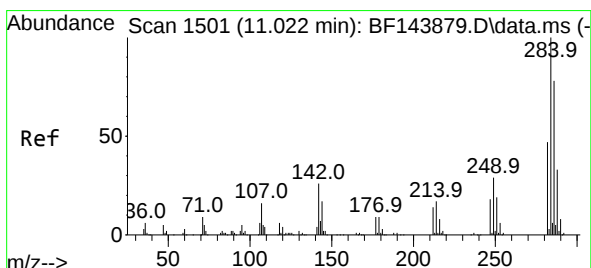
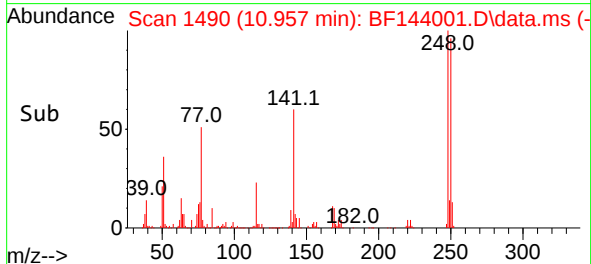
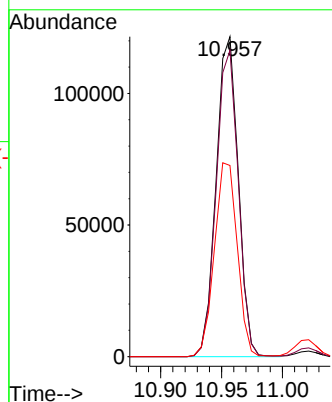
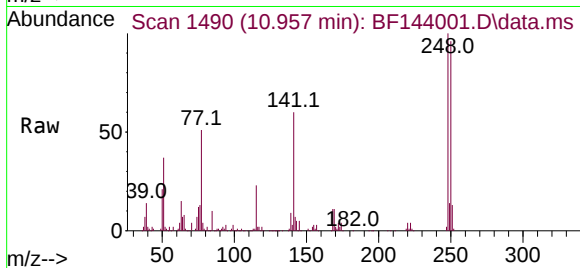
#67
4-Bromophenyl-phenylether
Concen: 47.425 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD

Tgt Ion:248 Resp: 153366
Ion Ratio Lower Upper
248 100
250 95.7 76.3 114.5
141 59.7 49.7 74.5

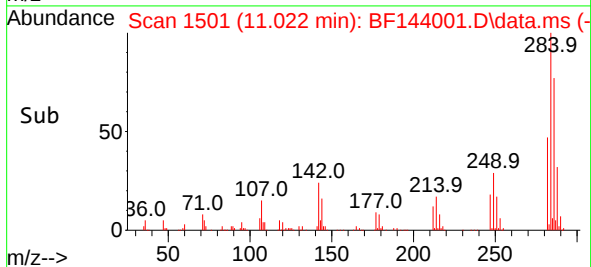
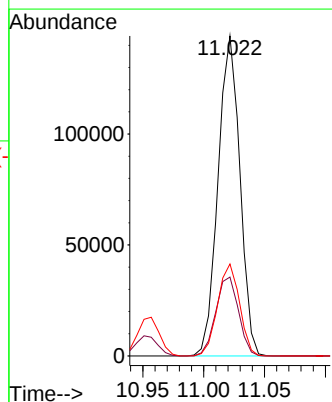
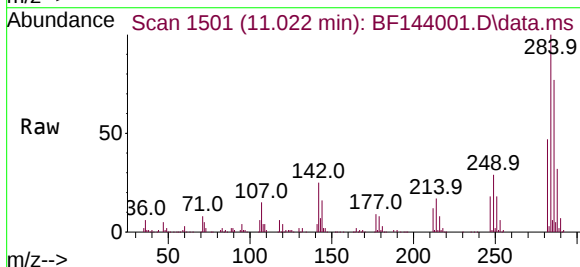
Manual Integrations
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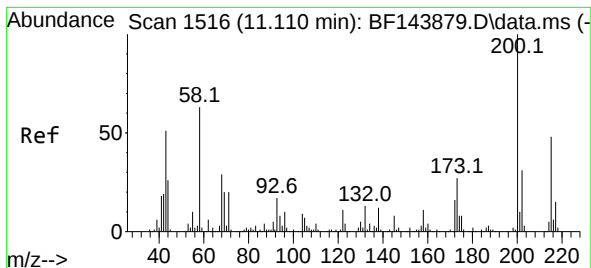
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#68
Hexachlorobenzene
Concen: 48.080 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Tgt Ion:284 Resp: 180006
Ion Ratio Lower Upper
284 100
142 24.6 20.6 30.8
249 28.7 23.2 34.8





#69

Atrazine

Concen: 50.060 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF144001.D

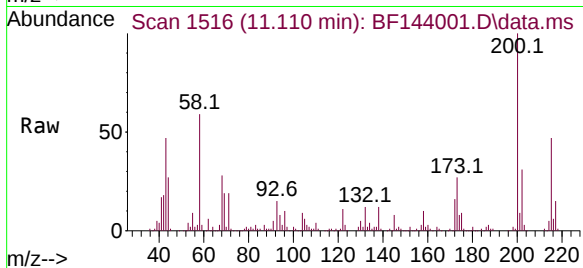
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD



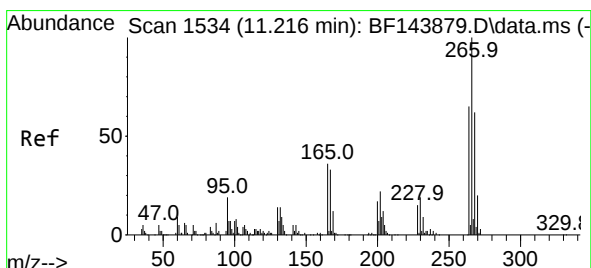
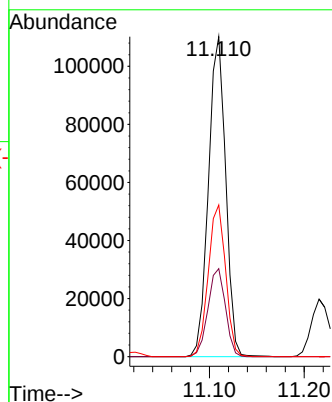
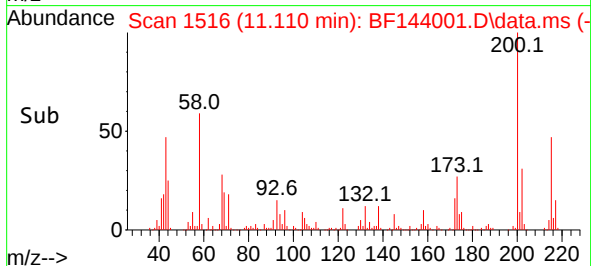
Tgt Ion:200	Resp: 139405
Ion Ratio	Lower Upper
200	100
173	27.5 7.0 47.0
215	47.4 27.8 67.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#70

Pentachlorophenol

Concen: 78.548 ng

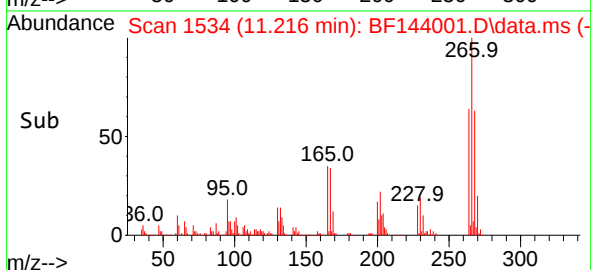
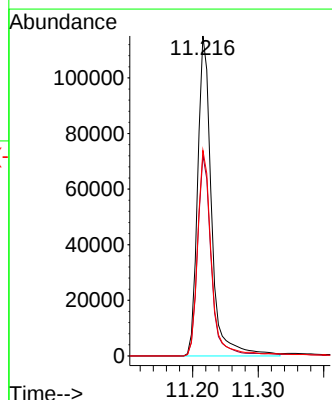
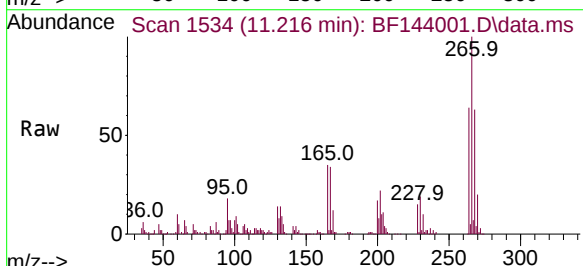
RT: 11.216 min Scan# 1534

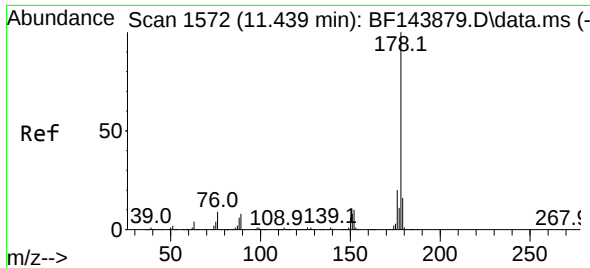
Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

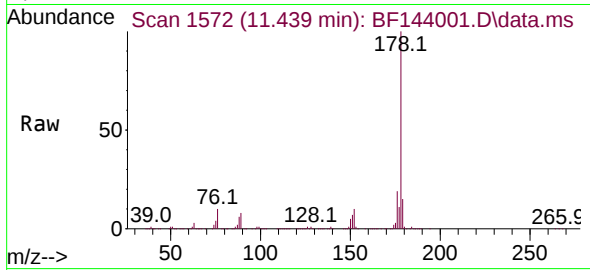
Tgt Ion:266	Resp: 168895
Ion Ratio	Lower Upper
266	100
268	62.7 49.4 74.0
264	64.2 51.8 77.6





#71
Phenanthrene
Concen: 53.232 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

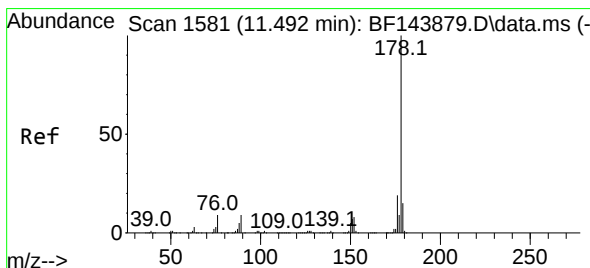
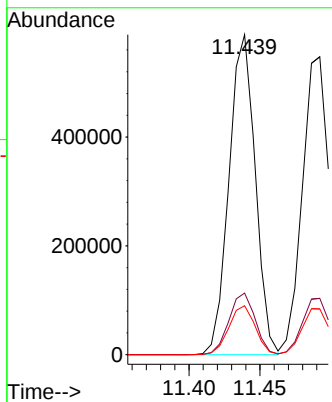
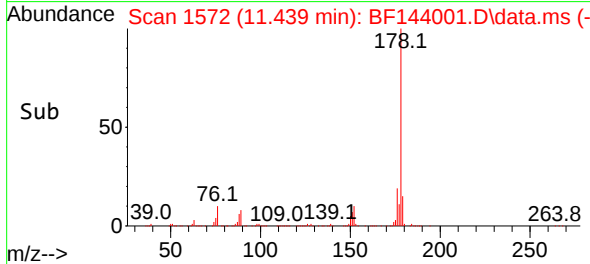
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



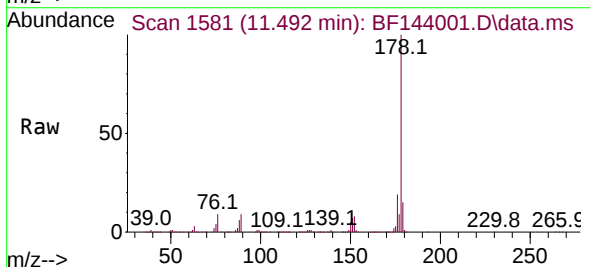
Tgt Ion:178 Resp: 755154
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.3 12.4 18.6

Manual Integrations
APPROVED

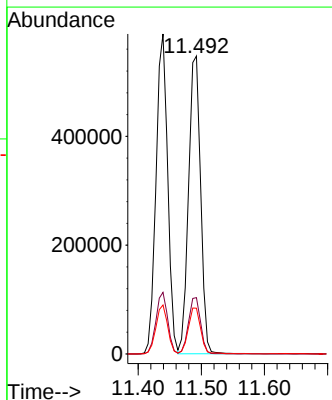
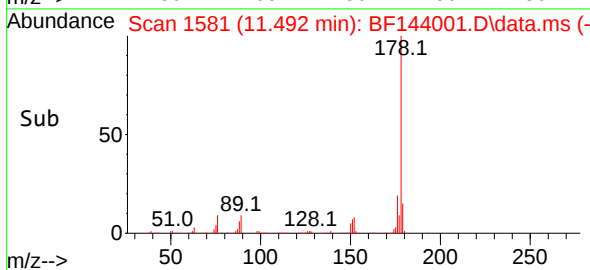
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

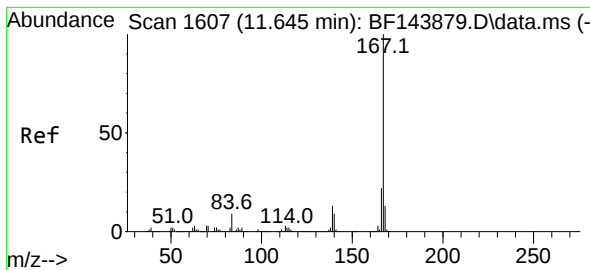


#72
Anthracene
Concen: 50.624 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:178 Resp: 725510
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.3 12.2 18.2





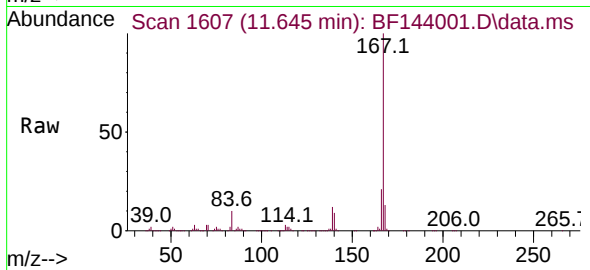
#73
 Carbazole
 Concen: 48.042 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF144001.D
 Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

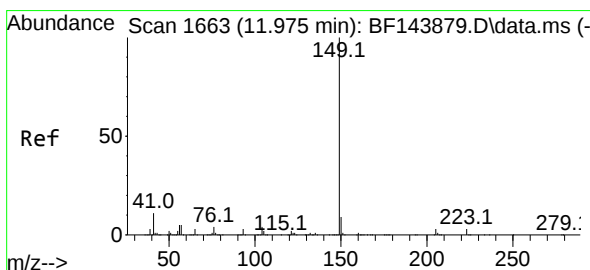
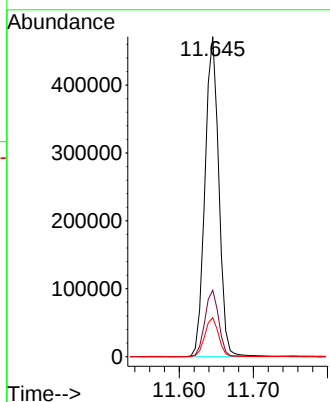
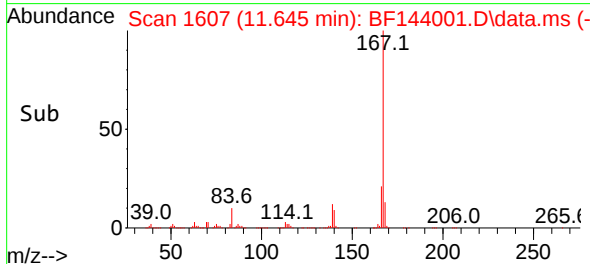


Tgt Ion:167 Resp: 609788
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.2 25.8
 139 12.2 10.1 15.1

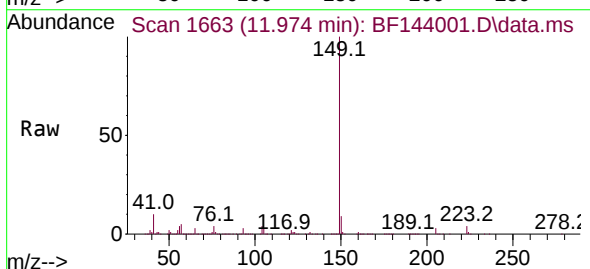
Manual Integrations

APPROVED

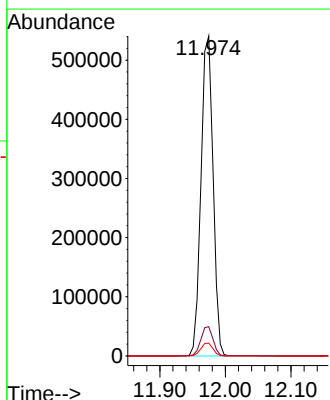
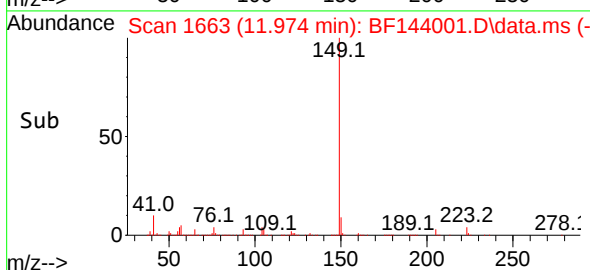
Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

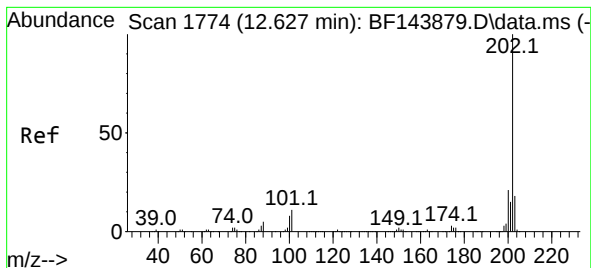


#74
 Di-n-butylphthalate
 Concen: 46.700 ng
 RT: 11.974 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF144001.D
 Acq: 20 Oct 2025 16:27



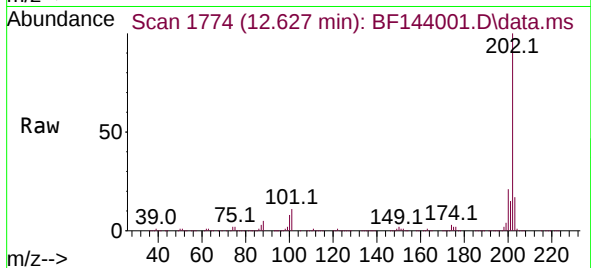
Tgt Ion:149 Resp: 686989
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.0 3.4 5.2





#75
Fluoranthene
Concen: 55.063 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

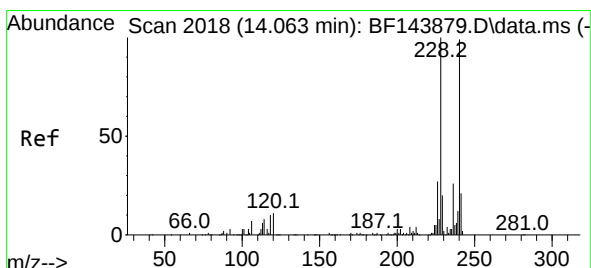
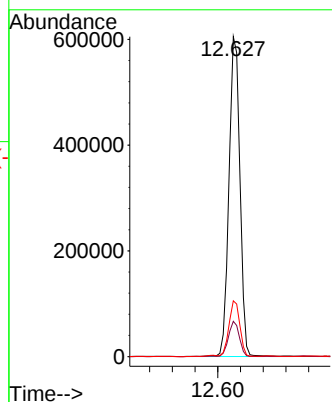
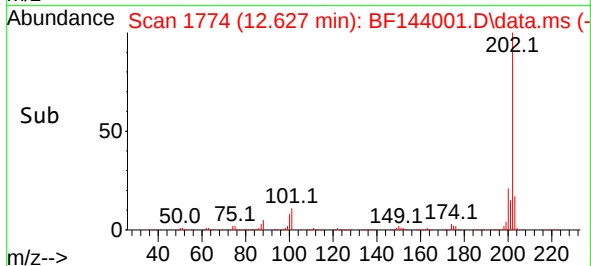
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



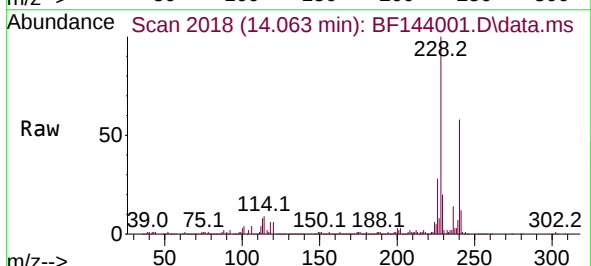
Tgt Ion:202 Resp: 806849
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
APPROVED

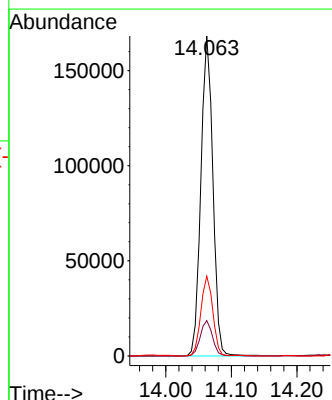
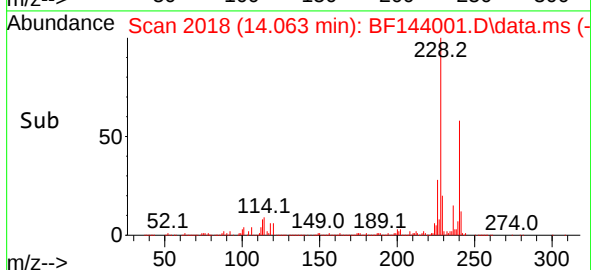
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

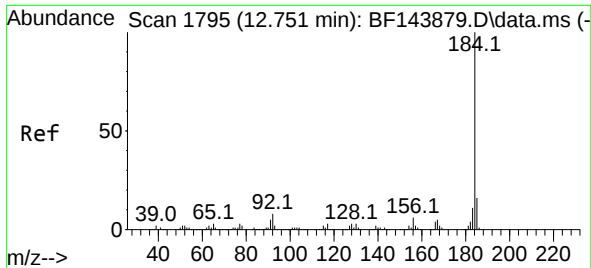


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



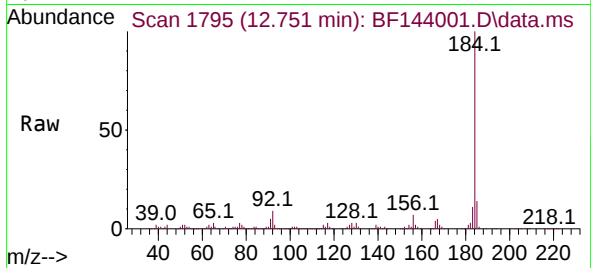
Tgt Ion:240 Resp: 212179
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 24.9 21.1 31.7





#77
Benzidine
Concen: 34.770 ng
RT: 12.751 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

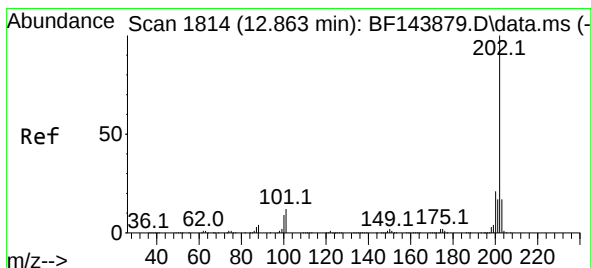
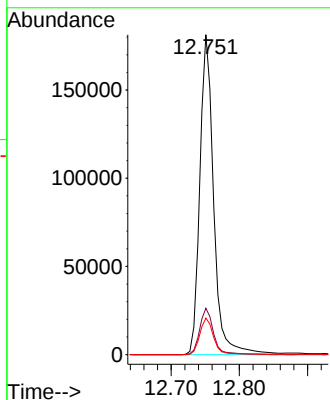
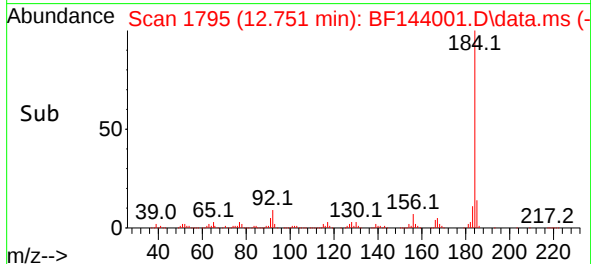
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



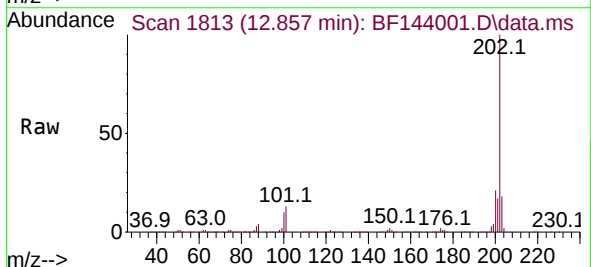
Tgt Ion:184 Resp: 256163
Ion Ratio Lower Upper
184 100
185 14.5 12.6 18.8
183 11.4 8.8 13.2

Manual Integrations
APPROVED

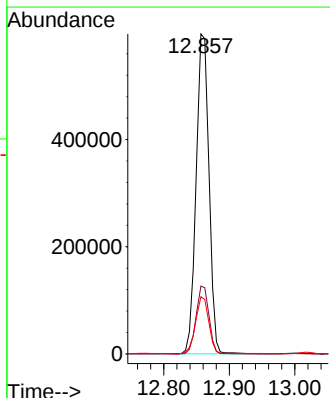
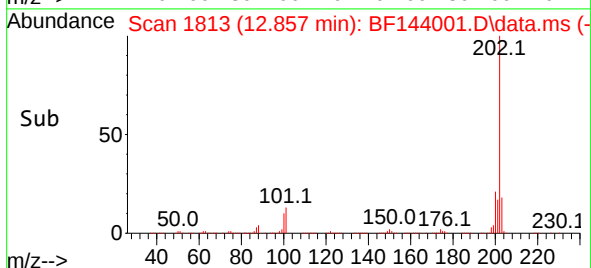
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

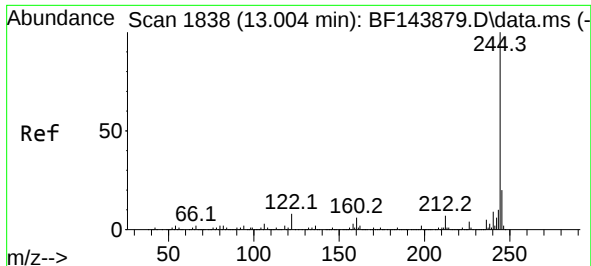


#78
Pyrene
Concen: 45.708 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:202 Resp: 808534
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 17.9 13.8 20.6





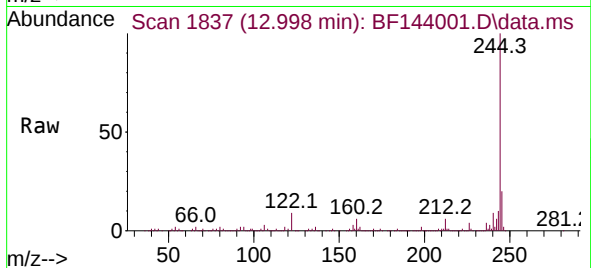
#79
 Terphenyl-d14
 Concen: 32.932 ng
 RT: 12.998 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF144001.D
 Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD



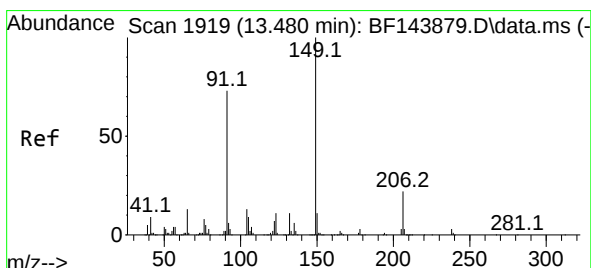
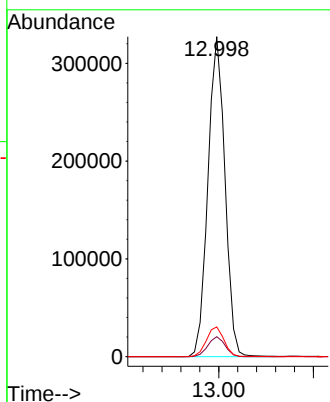
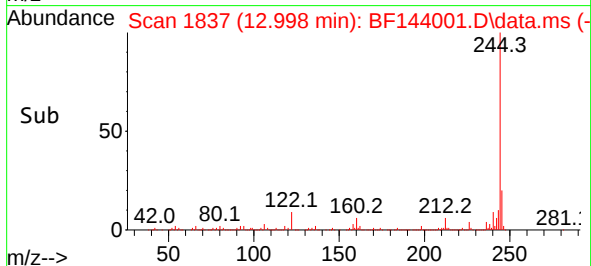
Tgt Ion:244 Resp: 408851
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 9.3 6.4 9.6

Manual Integrations

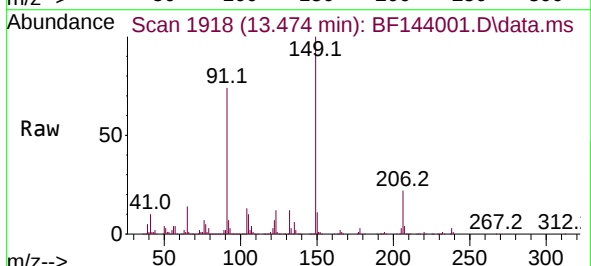
APPROVED

Reviewed By :Rahul Chavli 10/21/2025

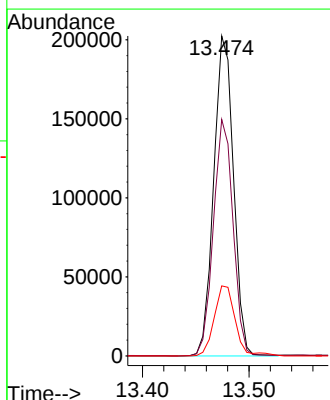
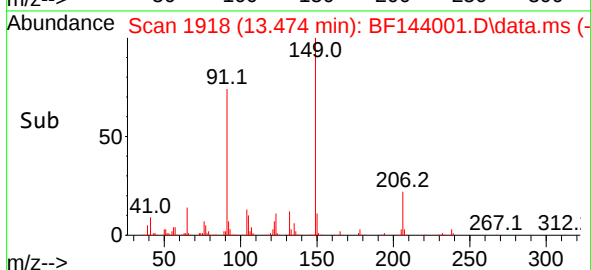
Supervised By :Jagrut Upadhyay 10/21/2025

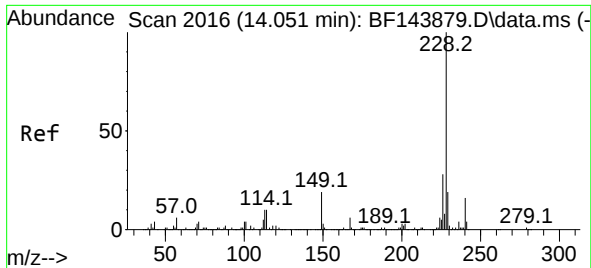


#80
 Butylbenzylphthalate
 Concen: 45.487 ng
 RT: 13.474 min Scan# 1918
 Delta R.T. -0.006 min
 Lab File: BF144001.D
 Acq: 20 Oct 2025 16:27



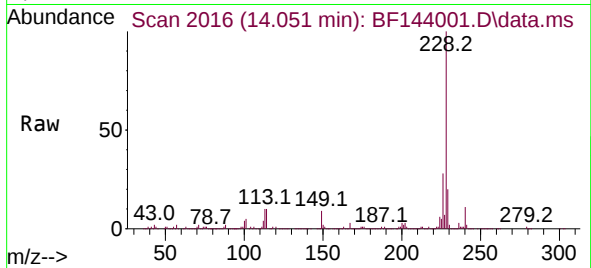
Tgt Ion:149 Resp: 261316
 Ion Ratio Lower Upper
 149 100
 91 73.9 58.2 87.2
 206 21.9 17.9 26.9





#81
Benzo(a)anthracene
Concen: 55.669 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

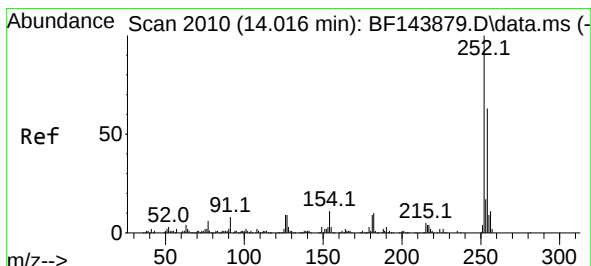
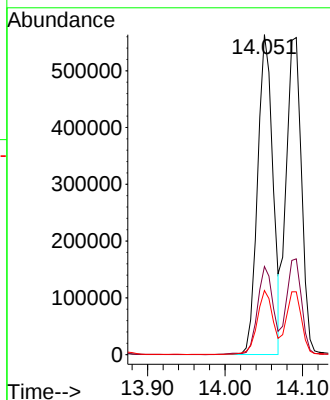
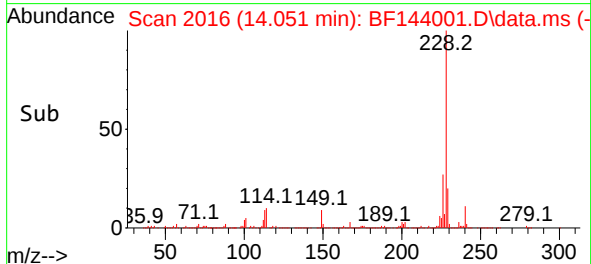
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



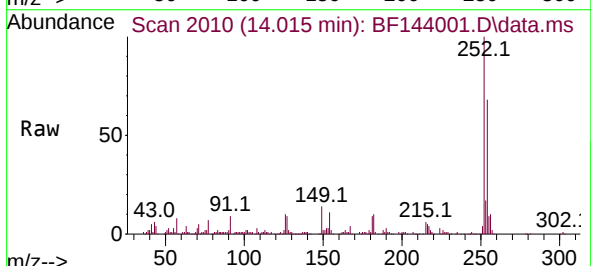
Tgt Ion:228 Resp: 772965
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.2
229 20.0 15.6 23.4

Manual Integrations
APPROVED

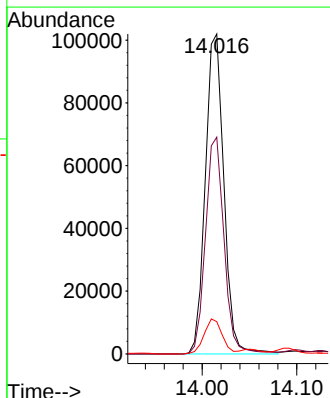
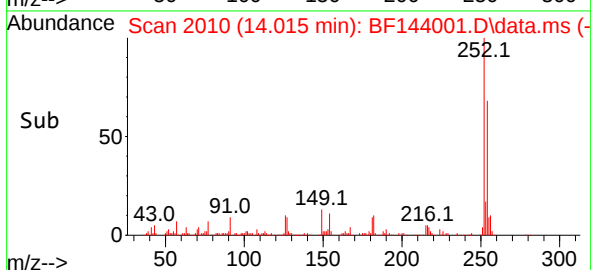
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

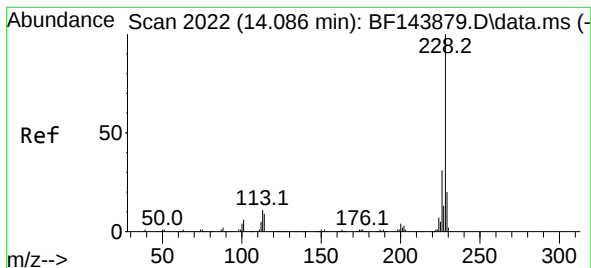


#82
3,3'-Dichlorobenzidine
Concen: 32.891 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:252 Resp: 139179
Ion Ratio Lower Upper
252 100
254 67.7 50.6 76.0
126 10.1 7.0 10.6





#83

Chrysene

Concen: 58.898 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

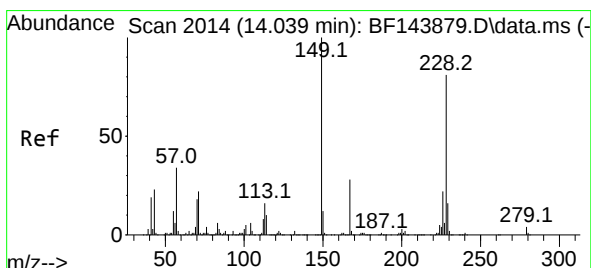
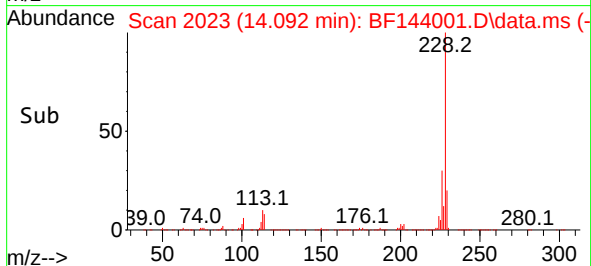
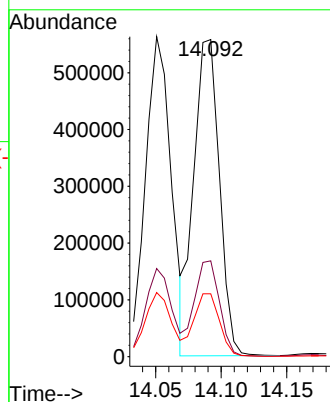
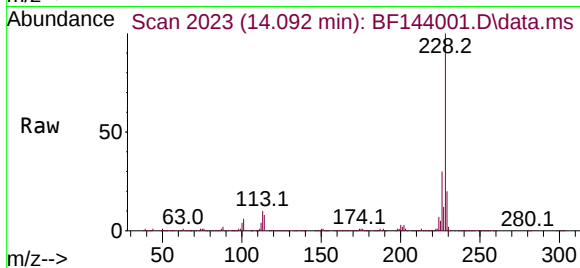
Tgt Ion:	228	Resp:	75690
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	19.8	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.284 ng

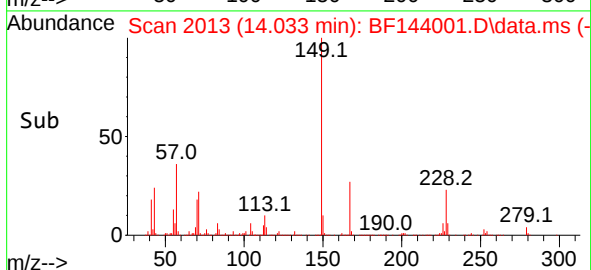
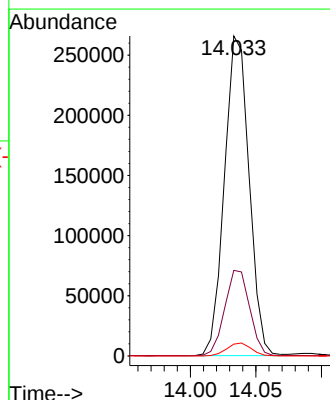
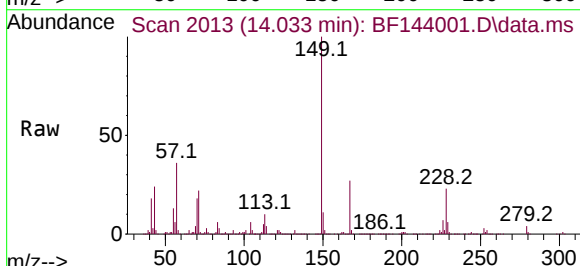
RT: 14.033 min Scan# 2013

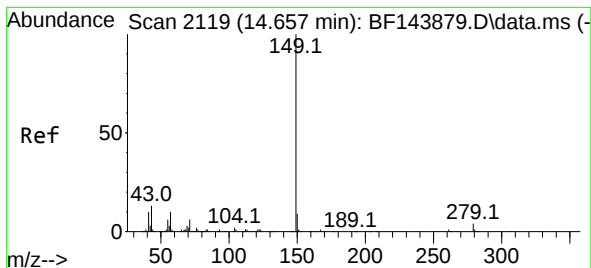
Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Tgt Ion:	149	Resp:	348219
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.2	33.4
279	3.7	3.1	4.7





#85

Di-n-octyl phthalate

Concen: 57.280 ng

RT: 14.651 min Scan# 2119

Delta R.T. -0.006 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

VNJ-245MSD

Tgt Ion:149 Resp: 65151

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

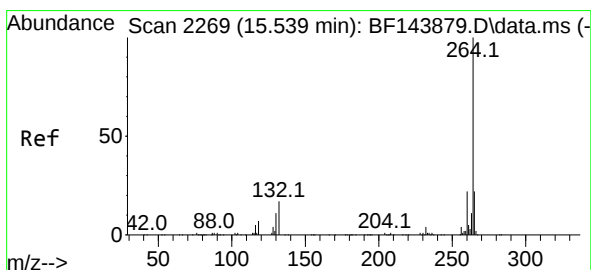
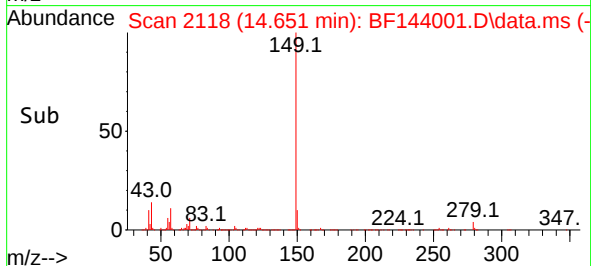
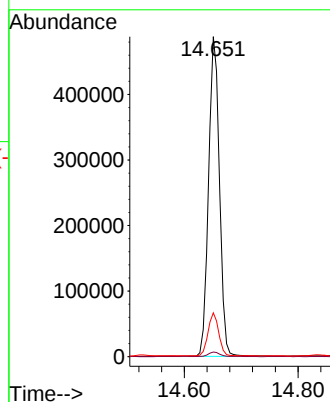
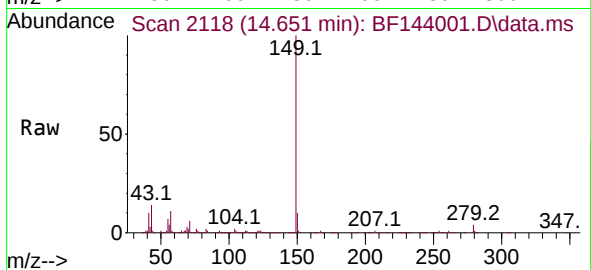
43 13.0 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF144001.D

Acq: 20 Oct 2025 16:27

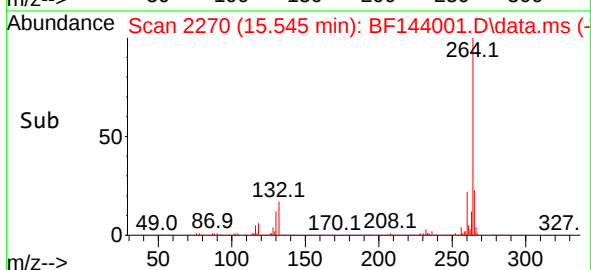
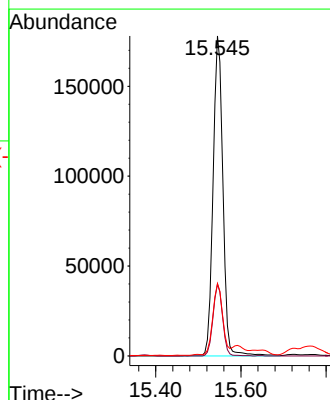
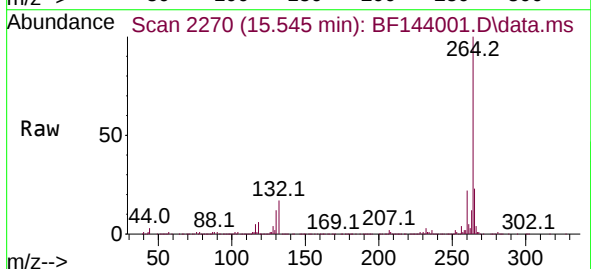
Tgt Ion:264 Resp: 285074

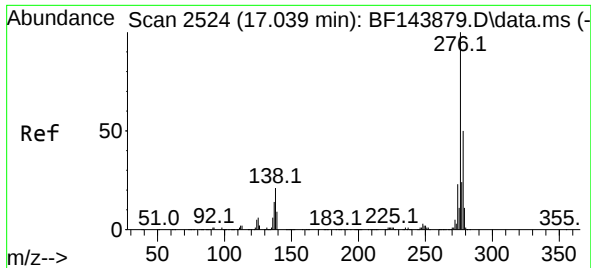
Ion Ratio Lower Upper

264 100

260 22.4 17.8 26.8

265 22.6 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 52.240 ng
RT: 17.056 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

Instrument :

BNA_F

ClientSampleId :

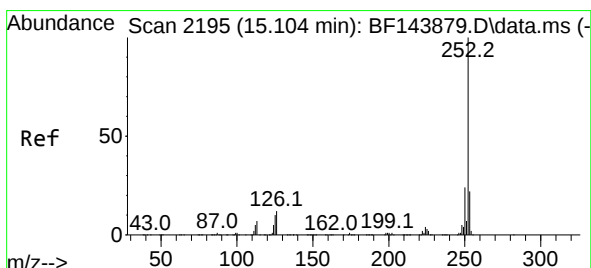
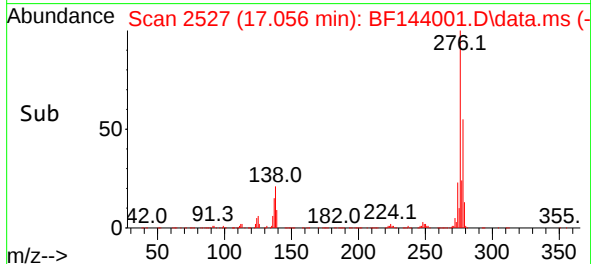
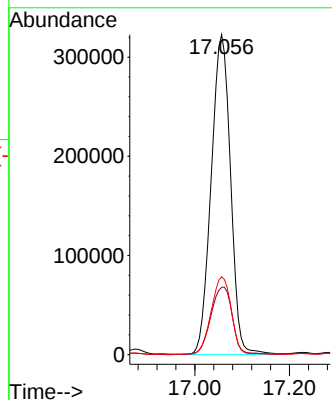
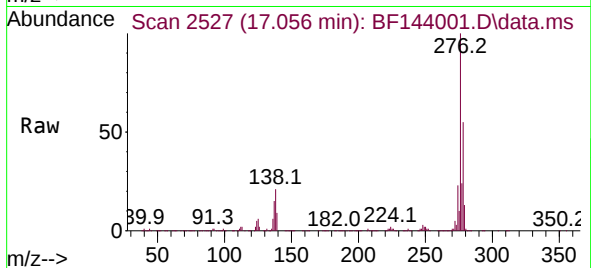
VNJ-245MSD

Tgt Ion:276 Resp: 912509
Ion Ratio Lower Upper
276 100
138 23.7 18.2 27.2
277 25.1 19.8 29.6

Manual Integrations

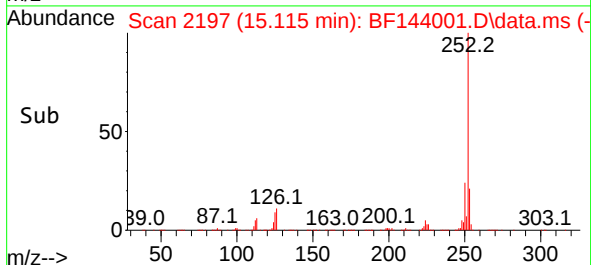
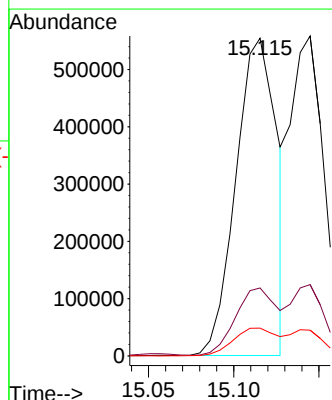
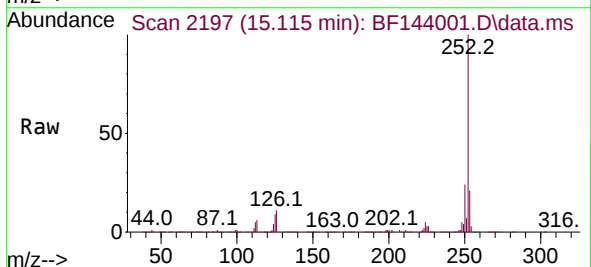
APPROVED

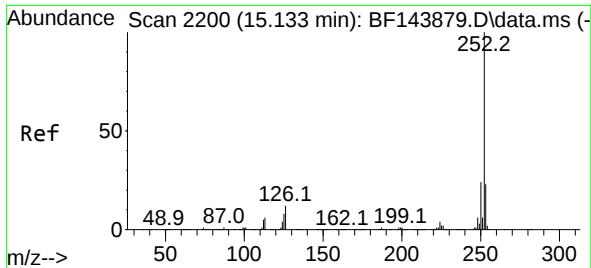
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#88
Benzo(b)fluoranthene
Concen: 56.327 ng
RT: 15.115 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

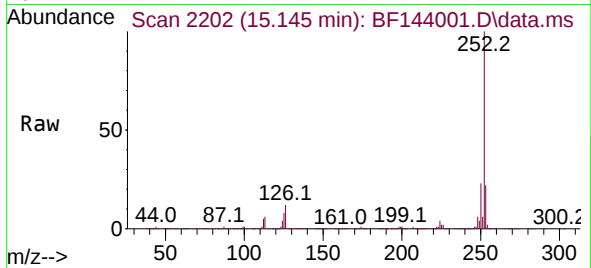
Tgt Ion:252 Resp: 922382
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 8.7 7.8 11.6





#89
Benzo(k)fluoranthene
Concen: 50.496 ng
RT: 15.145 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

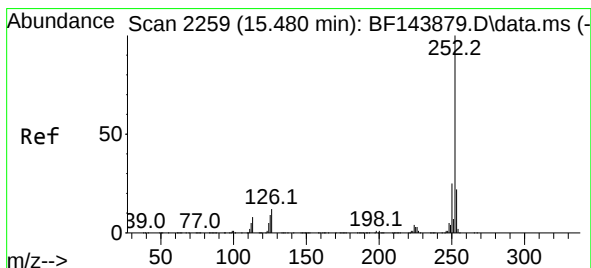
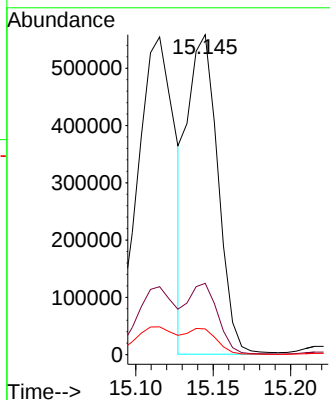
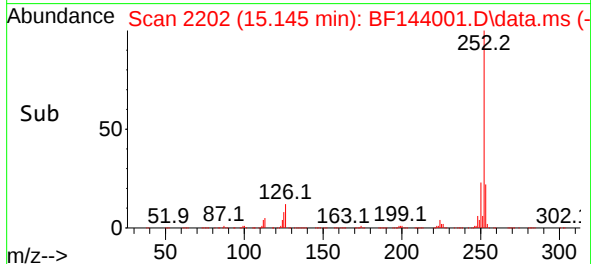
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



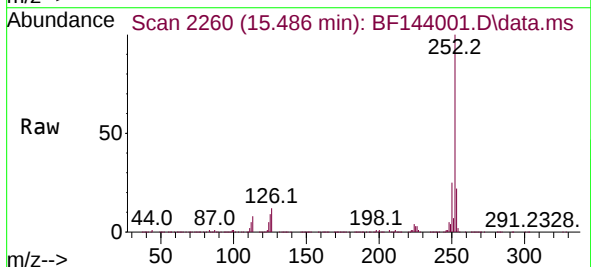
Tgt Ion:252 Resp: 765145
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 8.0 7.4 11.2

Manual Integrations
APPROVED

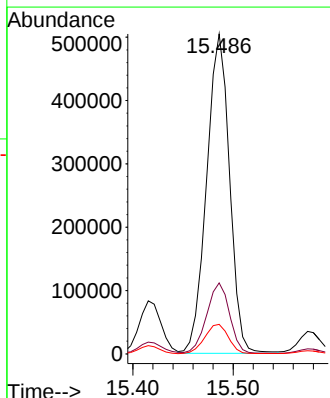
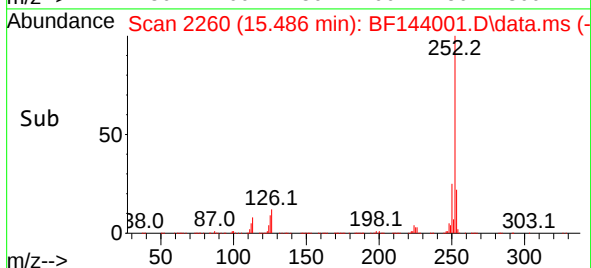
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

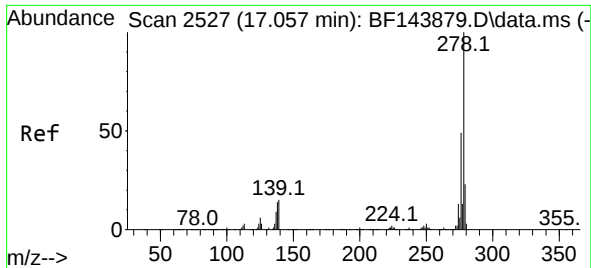


#90
Benzo(a)pyrene
Concen: 56.544 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



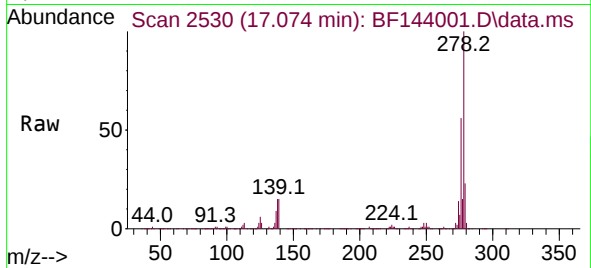
Tgt Ion:252 Resp: 802881
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 9.2 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 50.645 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27

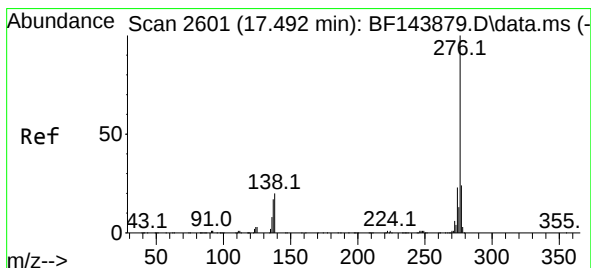
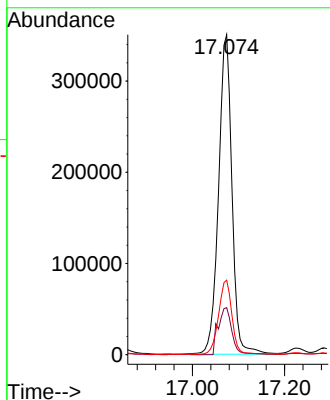
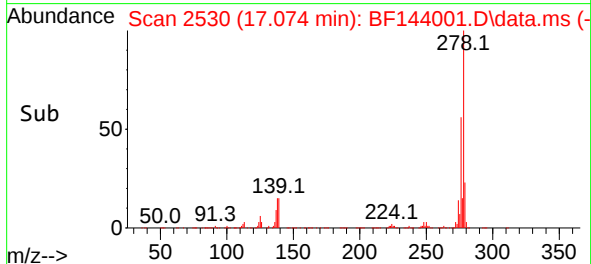
Instrument :
BNA_F
ClientSampleId :
VNJ-245MSD



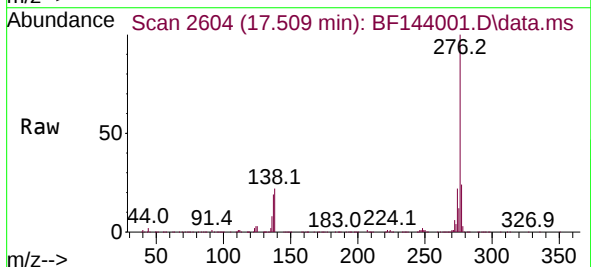
Tgt Ion:278 Resp: 711497
Ion Ratio Lower Upper
278 100
139 14.7 11.7 17.5
279 23.3 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#92
Benzo(g,h,i)perylene
Concen: 51.911 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144001.D
Acq: 20 Oct 2025 16:27



Tgt Ion:276 Resp: 729280
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 22.0 16.1 24.1

