

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143472.D
 Acq On : 19 Aug 2025 23:46
 Operator : RC/JU
 Sample : Q2888-02MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 20 01:16:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	136436	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	521896	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	305731	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	474857	20.000	ng	0.00
76) Chrysene-d12	14.086	240	242123	20.000	ng	0.00
86) Perylene-d12	15.580	264	308087	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	831478	105.938	ng	0.03
7) Phenol-d6	6.569	99	984494	99.532	ng	0.01
23) Nitrobenzene-d5	7.486	82	752685	85.579	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	366041	134.513	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1428543	78.592	ng	0.00
79) Terphenyl-d14	13.027	244	1278700	88.717	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.940	88	127284	33.691	ng	# 82
3) Pyridine	3.657	79	316536	31.945	ng	98
4) n-Nitrosodimethylamine	3.581	42	181783	39.470	ng	100
6) Aniline	6.592	93	320465	23.865	ng	# 60
8) 2-Chlorophenol	6.722	128	357101	41.211	ng	99
9) Benzaldehyde	6.481	77	106432	20.227	ng	97
10) Phenol	6.581	94	405711	35.150	ng	96
11) bis(2-Chloroethyl)ether	6.663	93	346873	40.543	ng	97
12) 1,3-Dichlorobenzene	6.875	146	384359	39.598	ng	99
13) 1,4-Dichlorobenzene	6.945	146	391874	40.438	ng	100
14) 1,2-Dichlorobenzene	7.098	146	376397	40.666	ng	99
15) Benzyl Alcohol	7.069	79	329285	45.142	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	556344	38.036	ng	81
17) 2-Methylphenol	7.186	107	295188	41.753	ng	97
18) Hexachloroethane	7.439	117	129775	39.344	ng	99
19) n-Nitroso-di-n-propyla...	7.339	70	262682	42.898	ng	97
20) 3+4-Methylphenols	7.339	107	354605	41.957	ng	95
22) Acetophenone	7.334	105	488865	43.567	ng	98
24) Nitrobenzene	7.510	77	391129	42.550	ng	97
25) Isophorone	7.745	82	735304	43.682	ng	100
26) 2-Nitrophenol	7.822	139	200551	47.063	ng	99
27) 2,4-Dimethylphenol	7.863	122	334220	46.387	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	444539	42.964	ng	100
29) 2,4-Dichlorophenol	8.075	162	329001	44.794	ng	98
30) 1,2,4-Trichlorobenzene	8.151	180	333129	44.266	ng	99
31) Naphthalene	8.233	128	1037583	41.876	ng	100
32) Benzoic acid	7.981	122	102968	27.479	ng	97
33) 4-Chloroaniline	8.275	127	163216	18.250	ng	100
34) Hexachlorobutadiene	8.351	225	203196	42.342	ng	99
35) Caprolactam	8.645	113	83950m	39.700	ng	
36) 4-Chloro-3-methylphenol	8.769	107	350429	46.326	ng	100
37) 2-Methylnaphthalene	8.922	142	656236	39.293	ng	99
38) 1-Methylnaphthalene	9.022	142	678600	42.409	ng	99
40) 1,2,4,5-Tetrachloroben...	9.092	216	347939	40.807	ng	98
41) Hexachlorocyclopentadiene	9.081	237	339079	106.649	ng	98
43) 2,4,6-Trichlorophenol	9.204	196	237873	44.723	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	251448	44.103	ng	96
46) 1,1'-Biphenyl	9.386	154	913357	42.519	ng	99
47) 2-Chloronaphthalene	9.410	162	704159	41.528	ng	100
48) 2-Nitroaniline	9.504	65	230773	45.734	ng	95
49) Acenaphthylene	9.828	152	1154620	47.162	ng	99
50) Dimethylphthalate	9.680	163	871727	45.734	ng	99
51) 2,6-Dinitrotoluene	9.745	165	188694	50.218	ng	96
52) Acenaphthene	9.998	154	734326	44.596	ng	99
53) 3-Nitroaniline	9.916	138	122855	29.352	ng	98
54) 2,4-Dinitrophenol	10.027	184	130145	74.899	ng	98
55) Dibenzofuran	10.169	168	1011942	42.602	ng	98
56) 4-Nitrophenol	10.086	139	217228	82.550	ng	100
57) 2,4-Dinitrotoluene	10.151	165	257492	51.399	ng	98
58) Fluorene	10.516	166	795119	43.572	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	222951	51.659	ng	98
60) Diethylphthalate	10.380	149	793996	45.077	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	396943	43.997	ng	99
62) 4-Nitroaniline	10.527	138	176059	44.978	ng	98
63) Azobenzene	10.663	77	791777	44.475	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	109275	44.600	ng	96
66) n-Nitrosodiphenylamine	10.622	169	695816	45.065	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	257414	45.906	ng	99
68) Hexachlorobenzene	11.063	284	272414	45.697	ng	99
69) Atrazine	11.145	200	218755	48.439	ng	98
70) Pentachlorophenol	11.263	266	272042	103.770	ng	98
71) Phenanthrene	11.474	178	1123365	43.686	ng	99
72) Anthracene	11.527	178	1157008	44.548	ng	99
73) Carbazole	11.680	167	952566	43.365	ng	99
74) Di-n-butylphthalate	12.004	149	1056152	48.283	ng	100
75) Fluoranthene	12.663	202	990307	43.342	ng	99
77) Benzidine	12.780	184	216054	29.882	ng	98
78) Pyrene	12.892	202	965039	45.857	ng	100
80) Butylbenzylphthalate	13.498	149	291234	55.872	ng	99
81) Benzo(a)anthracene	14.080	228	728693	47.272	ng	99
82) 3,3'-Dichlorobenzidine	14.033	252	151795	33.633	ng	99
83) Chrysene	14.115	228	626517	43.964	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	380466	51.396	ng	100
85) Di-n-octyl phthalate	14.668	149	748845	49.876	ng	98
87) Indeno(1,2,3-cd)pyrene	17.104	276	1007557	43.610	ng	99
88) Benzo(b)fluoranthene	15.139	252	822961	49.839	ng	99
89) Benzo(k)fluoranthene	15.168	252	693242	42.566	ng	100
90) Benzo(a)pyrene	15.515	252	762314	48.471	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	818157	44.098	ng	100
92) Benzo(g,h,i)perylene	17.562	276	833001	44.944	ng	99

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

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QLast Update : Mon Aug 18 04:40:19 2025

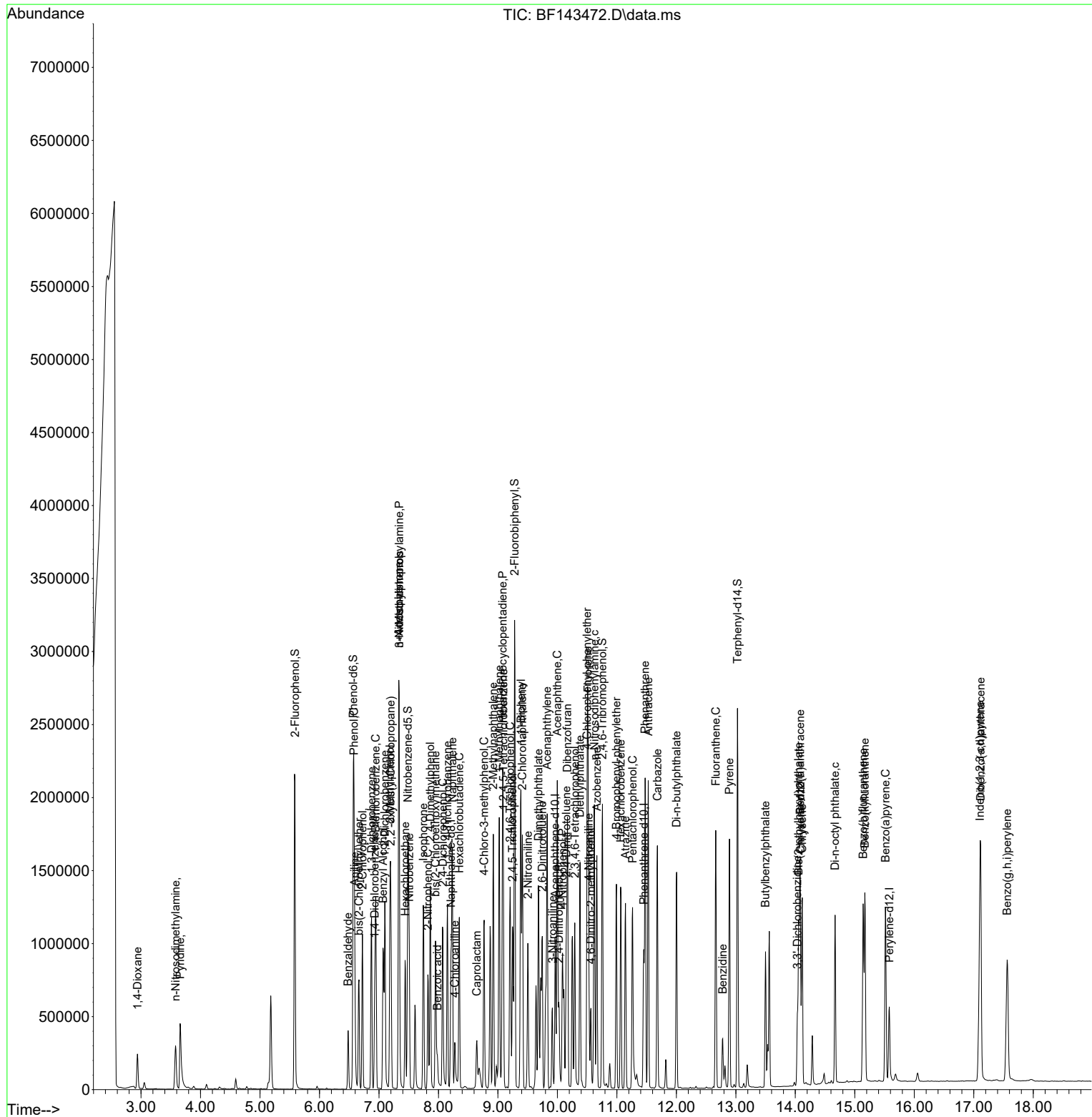
Response via : Initial Calibration

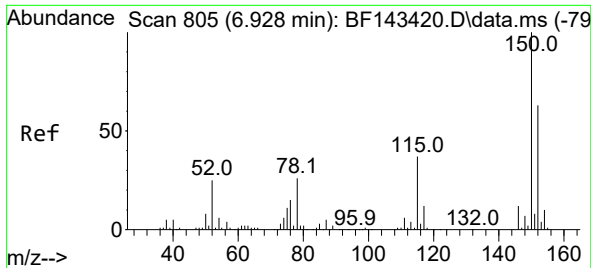
Manual Integrations

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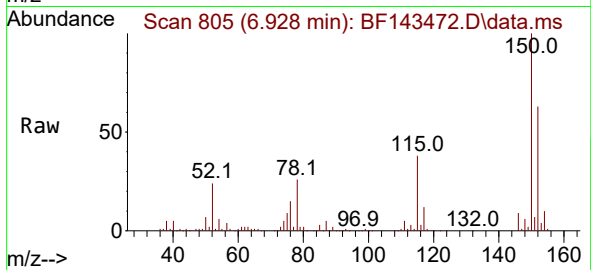
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143472.D
 Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

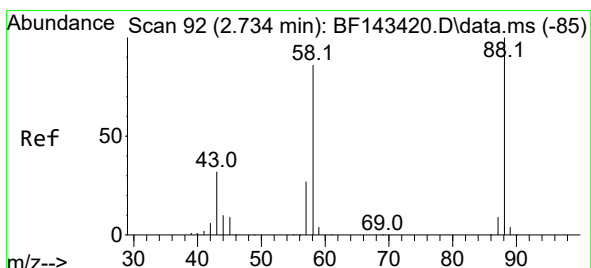
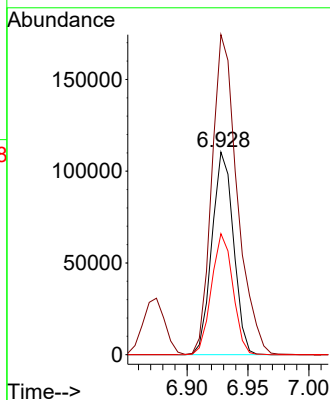
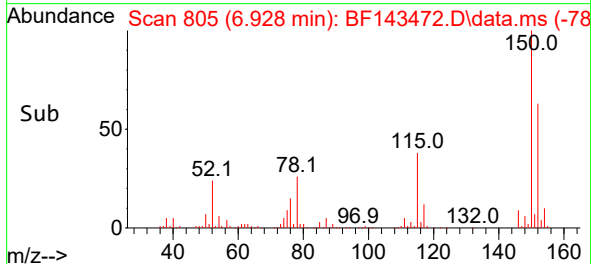


Tgt Ion:152 Resp: 136430
 Ion Ratio Lower Upper
 152 100
 150 158.0 127.4 191.2
 115 59.8 47.5 71.3

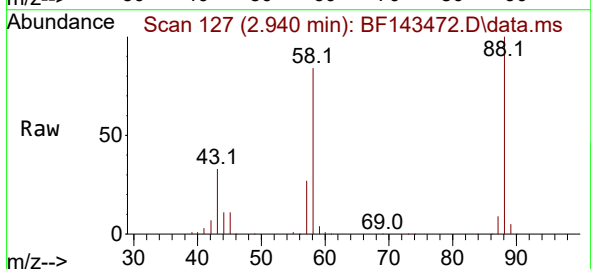
Manual Integrations

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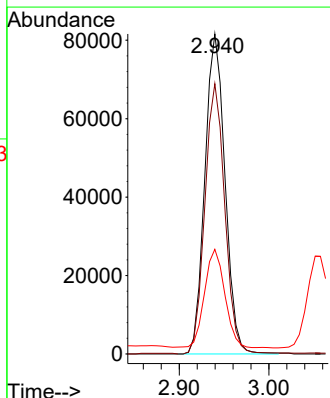
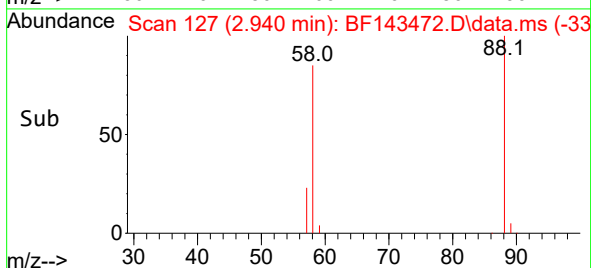
Reviewed By :Rahul Chavli 08/20/2025
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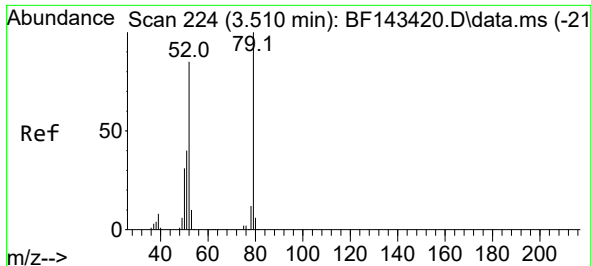


#2
 1,4-Dioxane
 Concen: 33.691 ng
 RT: 2.940 min Scan# 127
 Delta R.T. 0.206 min
 Lab File: BF143472.D
 Acq: 19 Aug 2025 23:46



Tgt Ion: 88 Resp: 127284
 Ion Ratio Lower Upper
 88 100
 58 83.7 68.7 103.1
 43 0.0 26.1 39.1





#3

Pyridine

Concen: 31.945 ng

RT: 3.657 min Scan# 249

Delta R.T. 0.147 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

Tgt Ion: 79 Resp: 316530

Ion Ratio Lower Upper

79 100

52 82.0 67.7 101.5

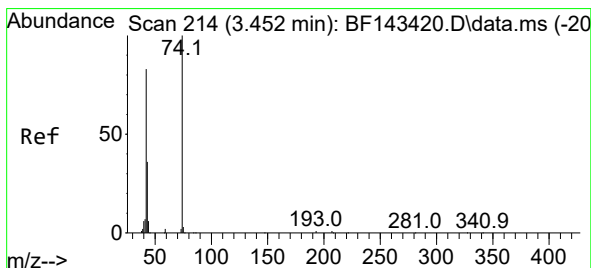
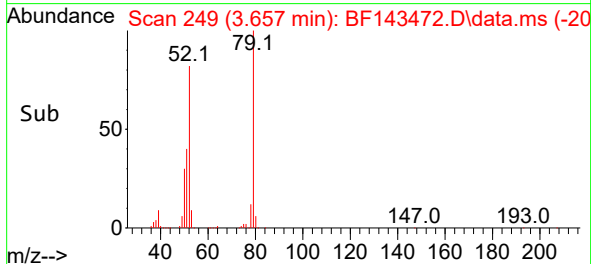
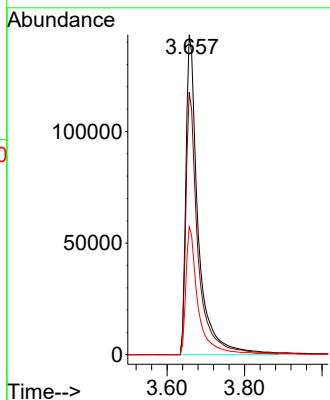
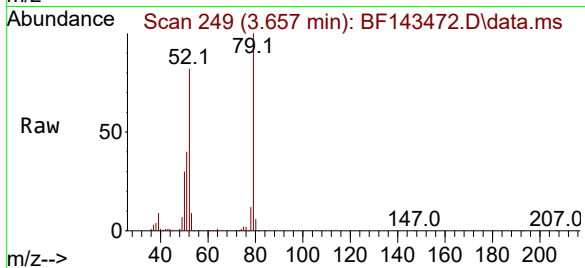
51 40.0 32.3 48.5

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#4

n-Nitrosodimethylamine

Concen: 39.470 ng

RT: 3.581 min Scan# 236

Delta R.T. 0.129 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

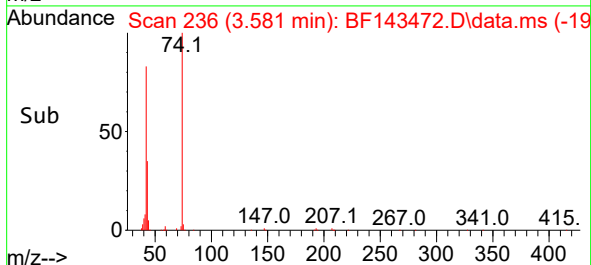
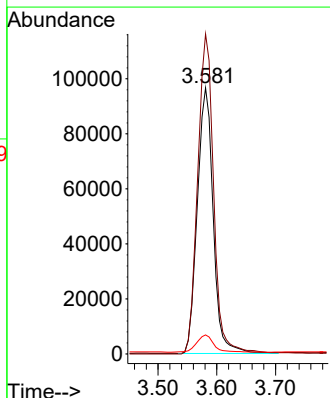
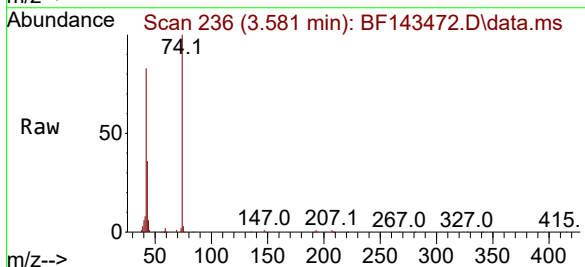
Tgt Ion: 42 Resp: 181783

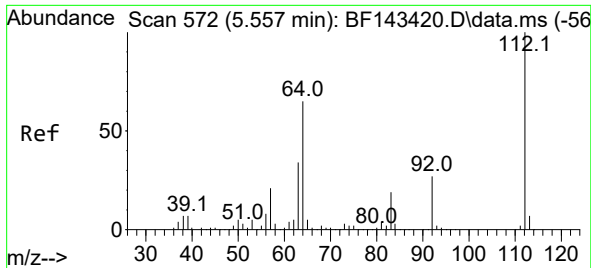
Ion Ratio Lower Upper

42 100

74 120.3 96.2 144.4

44 7.1 5.9 8.9





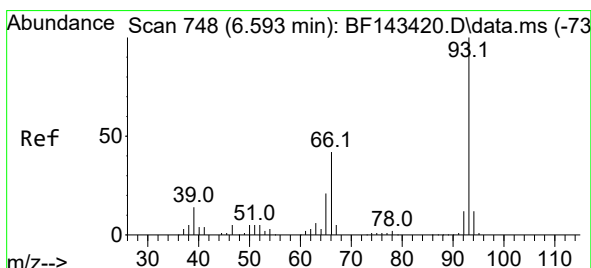
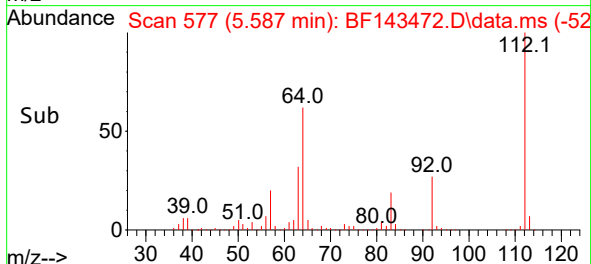
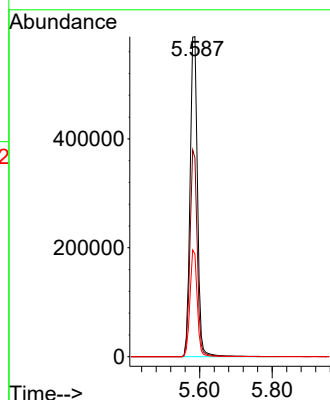
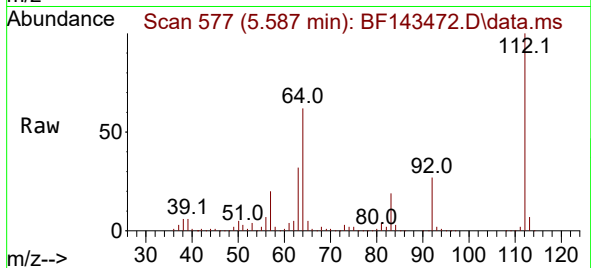
#5
2-Fluorophenol
Concen: 105.938 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.029 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

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Tgt Ion:112 Resp: 831478
Ion Ratio Lower Upper
112 100
64 62.2 52.2 78.2
63 32.0 27.0 40.6

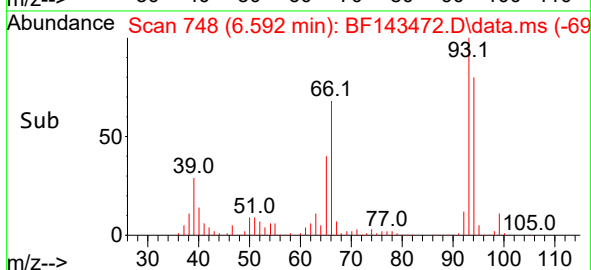
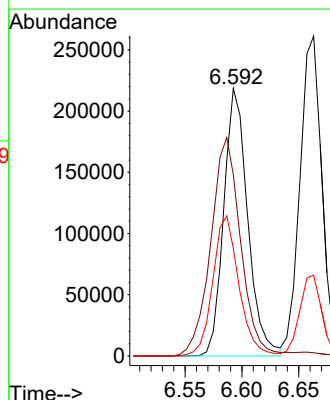
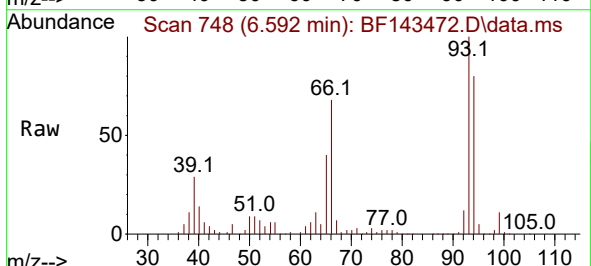
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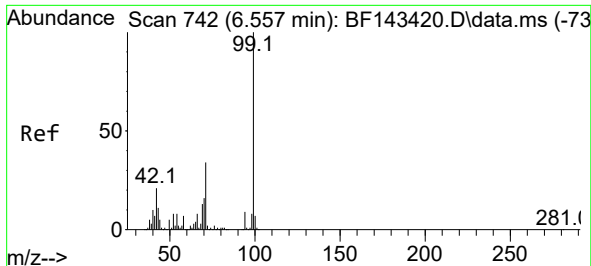
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#6
Aniline
Concen: 23.865 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 93 Resp: 320465
Ion Ratio Lower Upper
93 100
66 67.8 33.8 50.8#
65 40.2 17.2 25.8#





#7

Phenol-d6

Concen: 99.532 ng

RT: 6.569 min Scan# 742

Delta R.T. 0.012 min

Lab File: BF143472.D

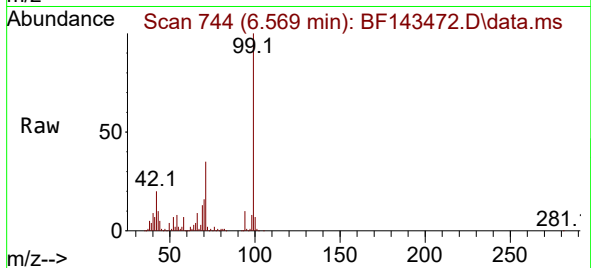
Acq: 19 Aug 2025 23:46

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Tgt Ion: 99 Resp: 984494

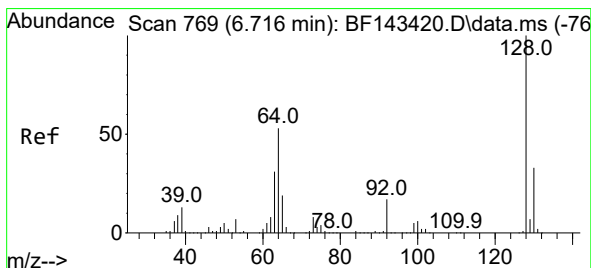
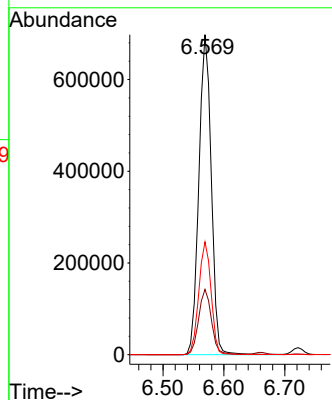
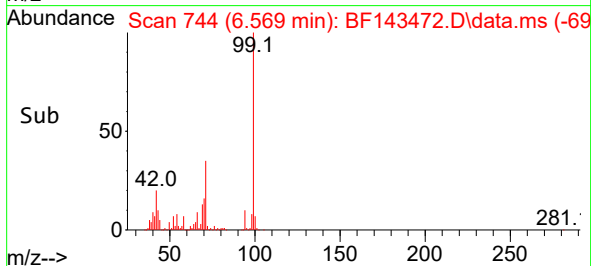
Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	35.3	27.4	41.2

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#8

2-Chlorophenol

Concen: 41.211 ng

RT: 6.722 min Scan# 770

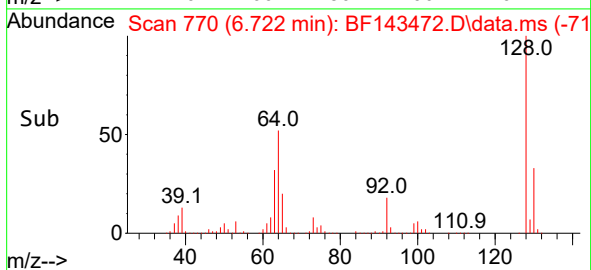
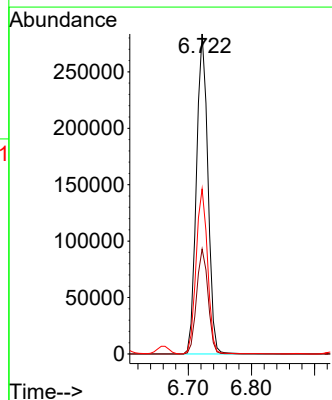
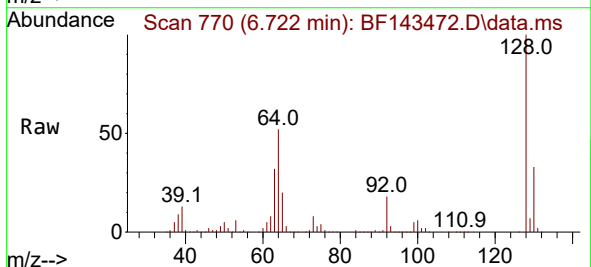
Delta R.T. 0.006 min

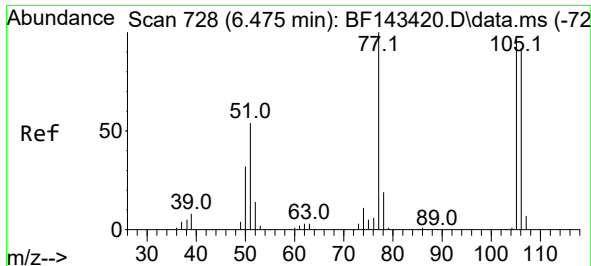
Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Tgt Ion:128 Resp: 357101

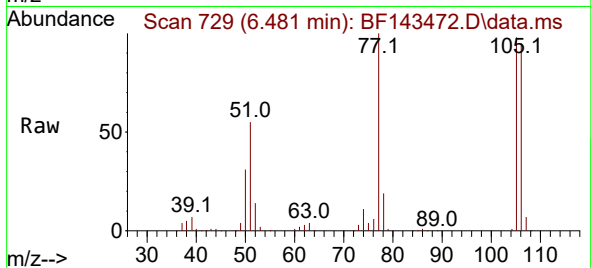
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.9	52.9
64	51.6	33.1	73.1





#9
Benzaldehyde
Concen: 20.227 ng
RT: 6.481 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143472.D
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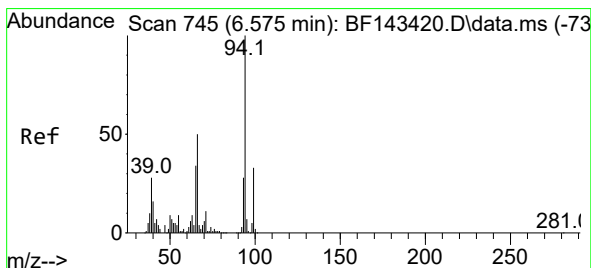
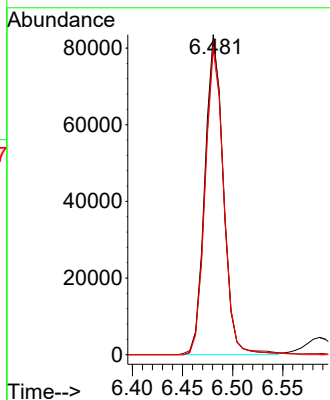
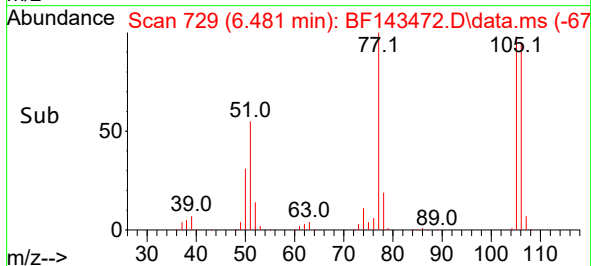
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



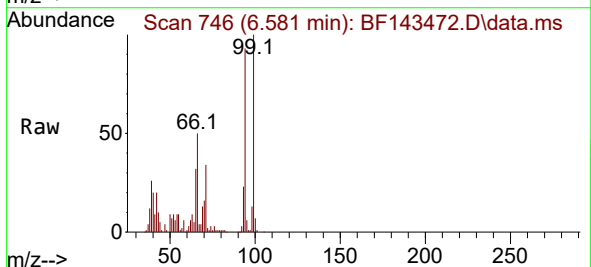
Tgt Ion: 77 Resp: 10643
Ion Ratio Lower Upper
77 100
105 98.1 75.5 115.5
106 95.3 72.0 112.0

Manual Integrations
APPROVED

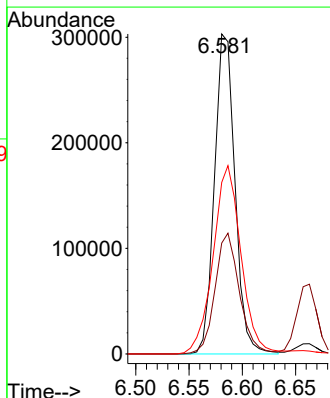
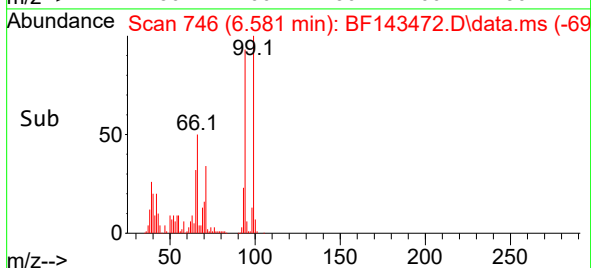
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

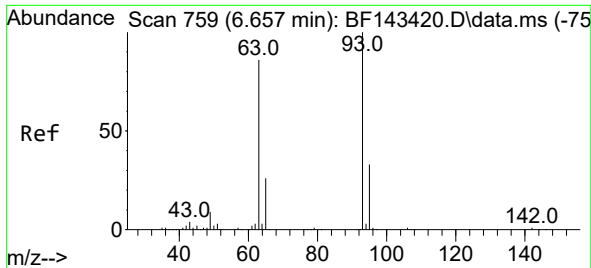


#10
Phenol
Concen: 35.150 ng
RT: 6.581 min Scan# 746
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion: 94 Resp: 405711
Ion Ratio Lower Upper
94 100
65 34.6 13.7 53.7
66 53.6 30.3 70.3





#11
bis(2-Chloroethyl)ether
Concen: 40.543 ng
RT: 6.663 min Scan# 759
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

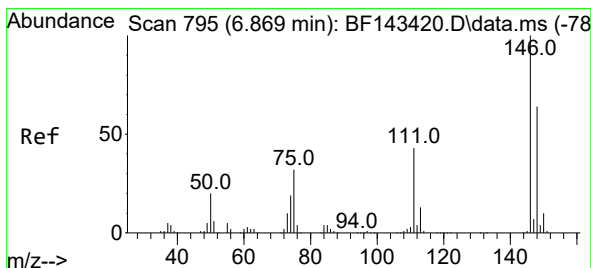
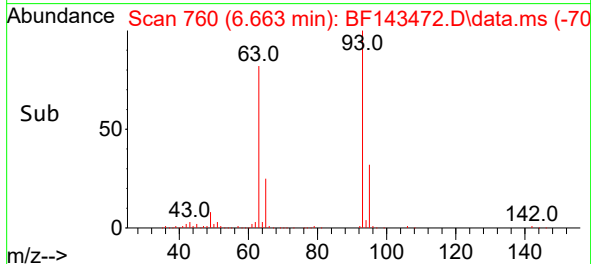
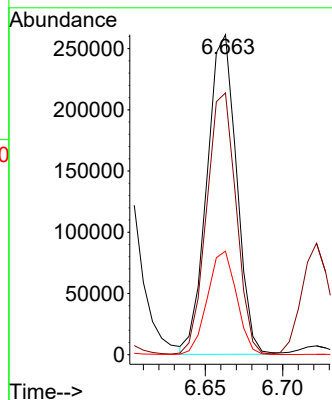
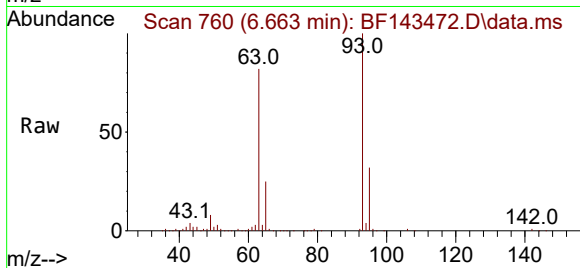
ClientSampleId :

VNJ-210MSD

Tgt Ion: 93 Resp: 34687
Ion Ratio Lower Upper
93 100
63 81.8 65.4 105.4
95 32.4 12.8 52.8

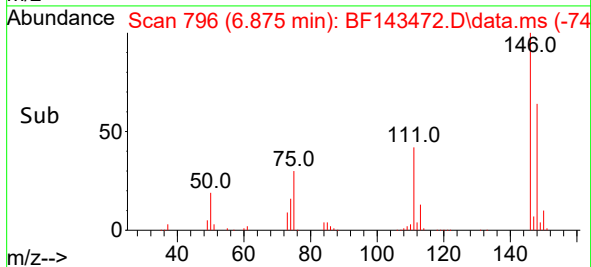
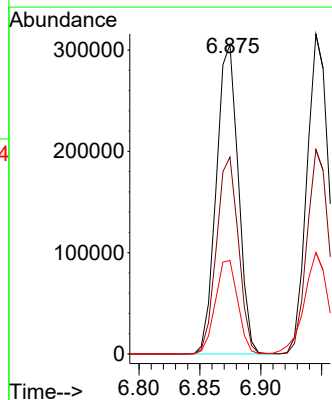
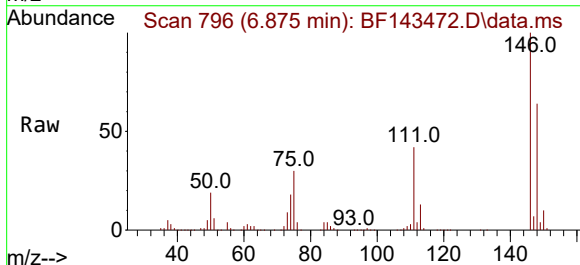
Manual Integrations
APPROVED

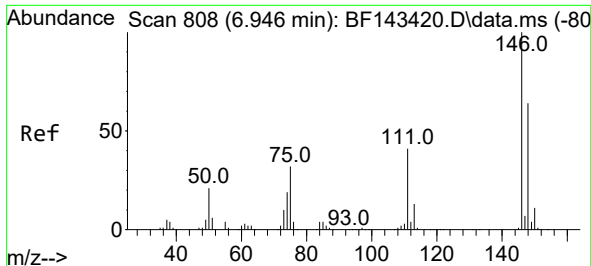
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#12
1,3-Dichlorobenzene
Concen: 39.598 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:146 Resp: 384359
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.4
75 30.2 25.3 37.9





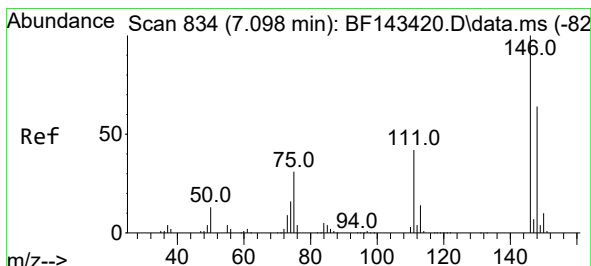
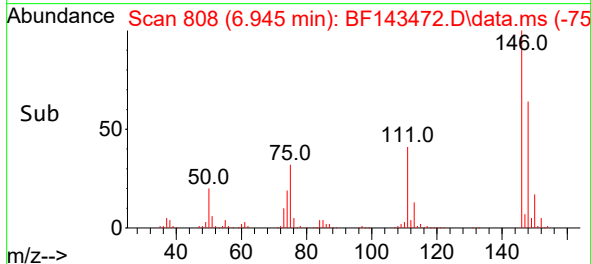
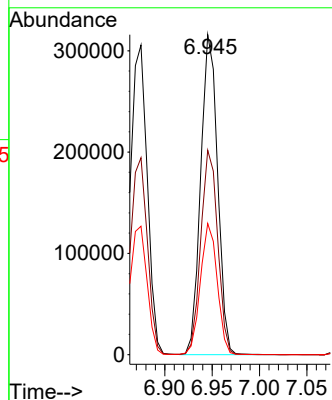
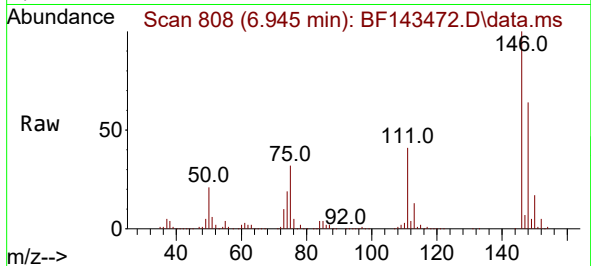
#13
1,4-Dichlorobenzene
Concen: 40.438 ng
RT: 6.945 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

Tgt Ion:146 Resp: 391874
Ion Ratio Lower Upper
146 100
148 63.9 51.1 76.7
111 41.0 32.5 48.7

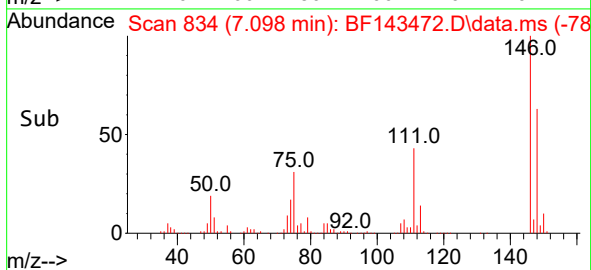
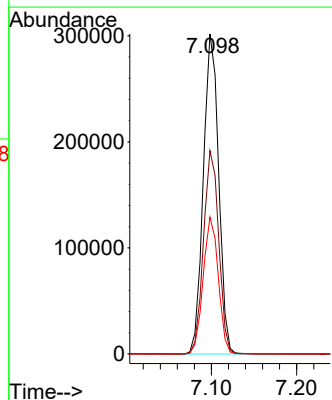
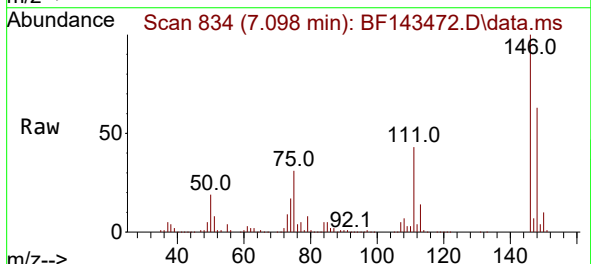
Manual Integrations
APPROVED

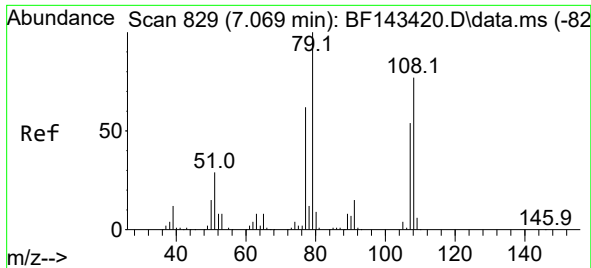
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#14
1,2-Dichlorobenzene
Concen: 40.666 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

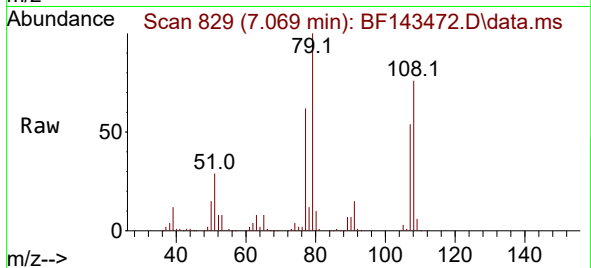
Tgt Ion:146 Resp: 376397
Ion Ratio Lower Upper
146 100
148 63.5 51.4 77.0
111 42.8 33.9 50.9





#15
Benzyl Alcohol
Concen: 45.142 ng
RT: 7.069 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

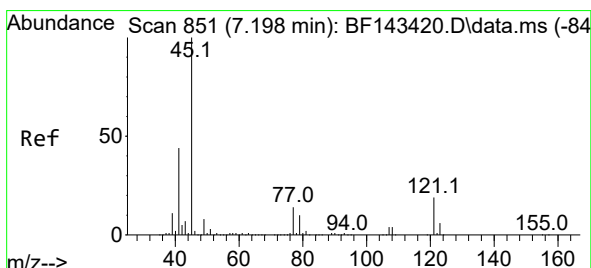
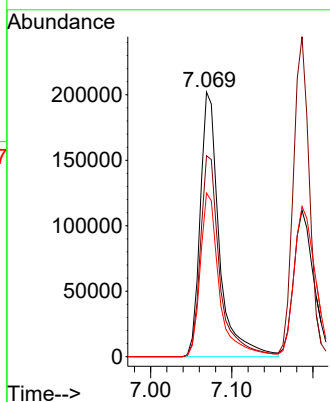
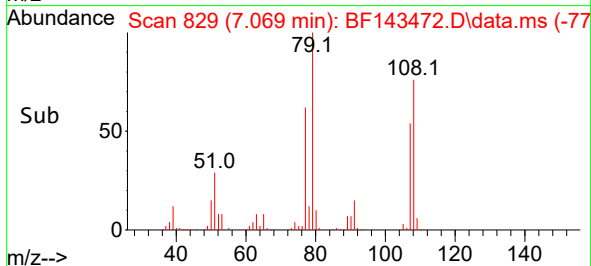
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion: 79 Resp: 329285
Ion Ratio Lower Upper
79 100
108 76.0 61.9 92.9
77 61.8 49.2 73.8

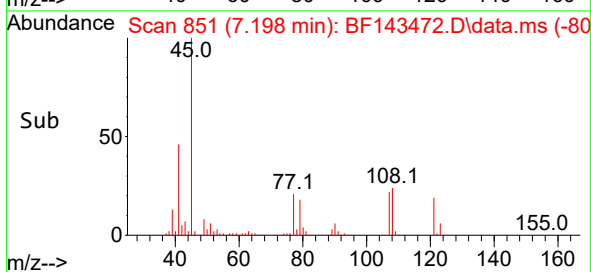
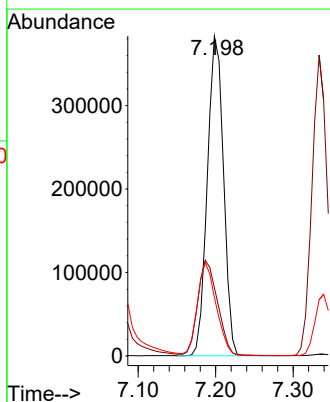
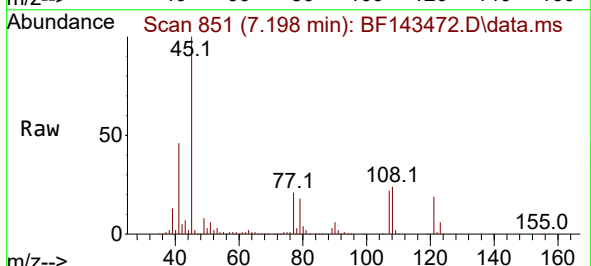
Manual Integrations
APPROVED

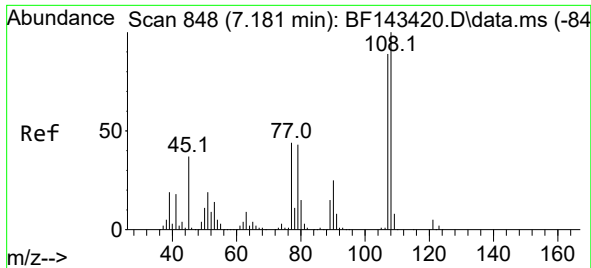
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.036 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

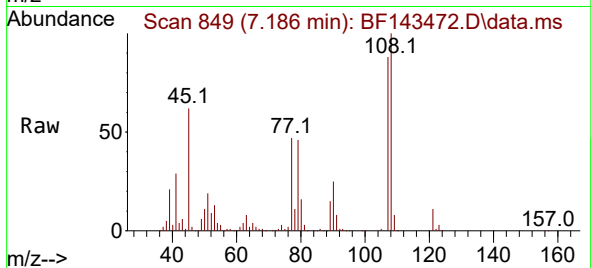
Tgt Ion: 45 Resp: 556344
Ion Ratio Lower Upper
45 100
77 21.4 0.0 33.9
79 18.3 0.0 30.7





#17
2-Methylphenol
Concen: 41.753 ng
RT: 7.186 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

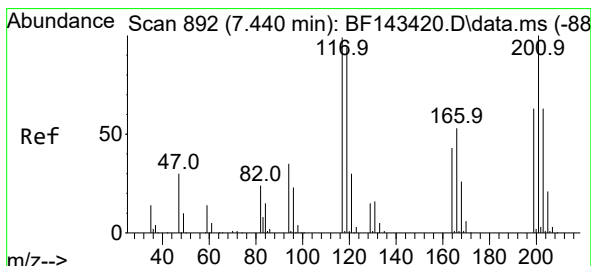
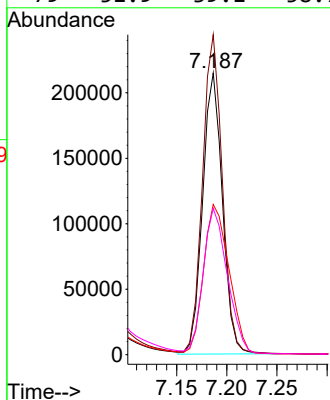
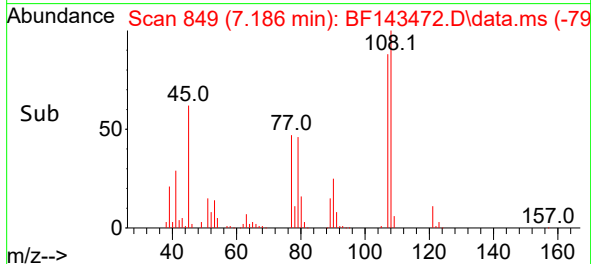
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:	107	Resp:	29518
Ion Ratio	Lower	Upper	
107	100		
108	113.6	90.1	135.1
77	53.3	39.9	59.9
79	51.9	39.1	58.7

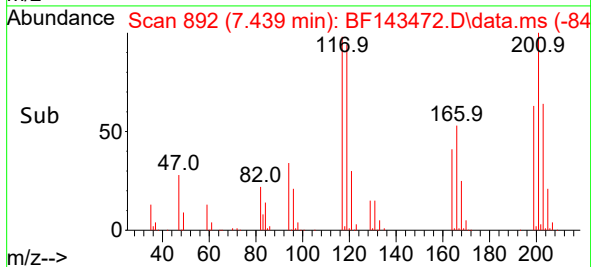
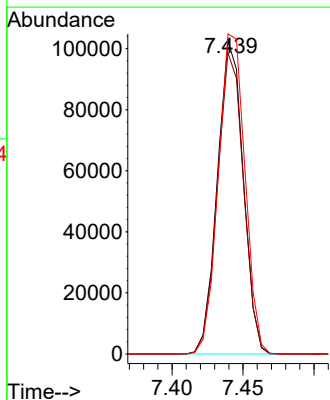
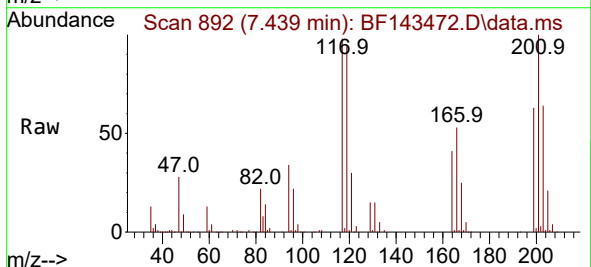
Manual Integrations
APPROVED

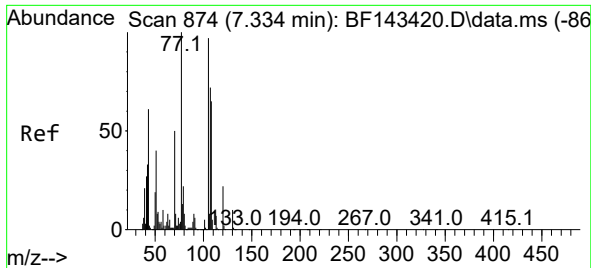
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#18
Hexachloroethane
Concen: 39.344 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

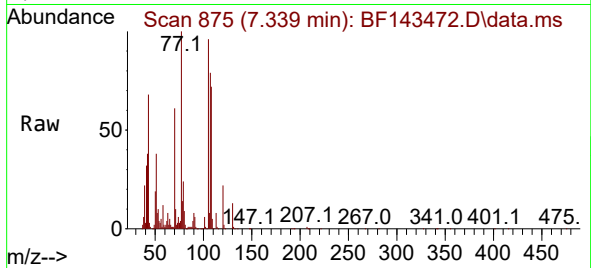
Tgt Ion:	117	Resp:	129775
Ion Ratio	Lower	Upper	
117	100		
119	96.2	76.6	114.8
201	102.2	81.0	121.4





#19
n-Nitroso-di-n-propylamine
Concen: 42.898 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

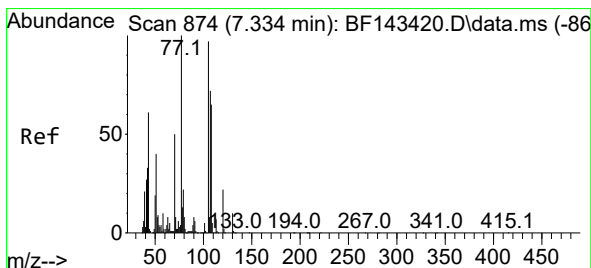
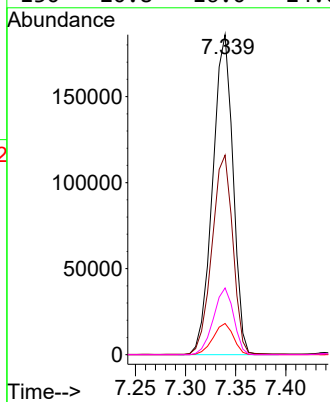
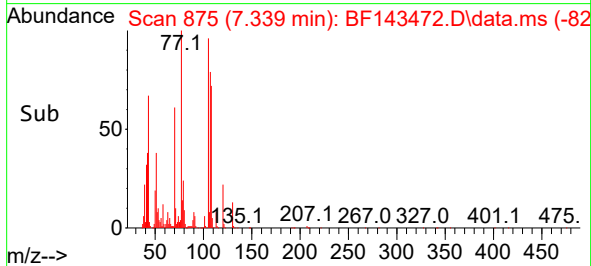
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



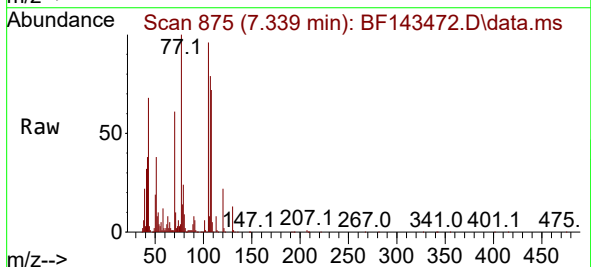
Tgt Ion: 70 Resp: 26268
Ion Ratio Lower Upper
70 100
42 62.4 52.5 78.7
101 9.8 7.9 11.9
130 20.8 16.0 24.0

Manual Integrations
APPROVED

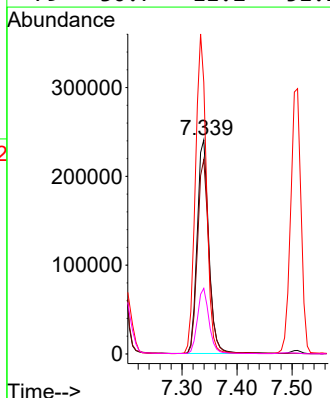
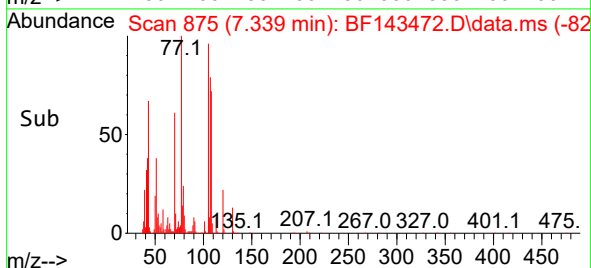
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

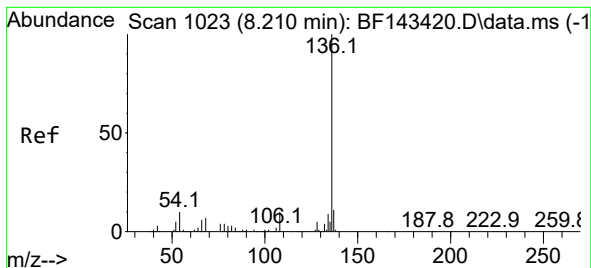


#20
3+4-Methylphenols
Concen: 41.957 ng
RT: 7.339 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:107 Resp: 354605
Ion Ratio Lower Upper
107 100
108 90.8 70.8 110.8
77 126.9 119.1 159.1
79 30.7 11.2 51.2





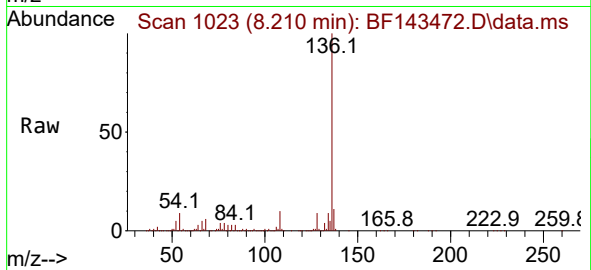
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



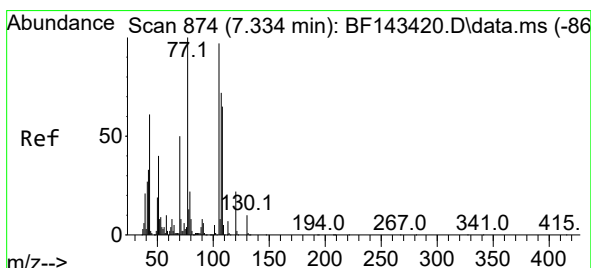
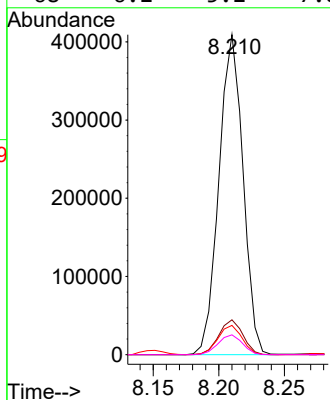
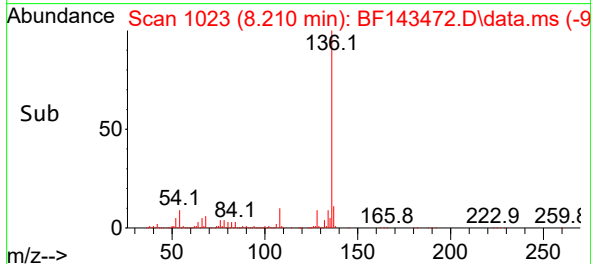
Tgt Ion:136 Resp: 521890
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.2 7.8 11.8
68 6.2 5.2 7.8

Manual Integrations

APPROVED

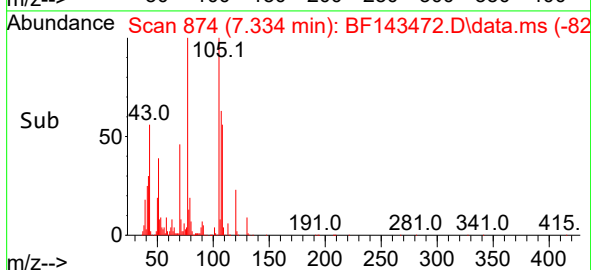
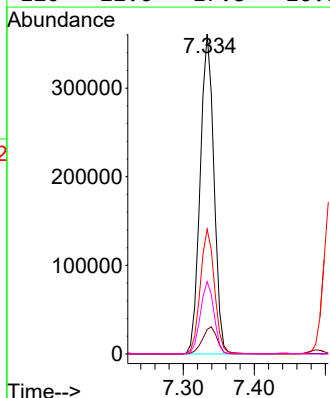
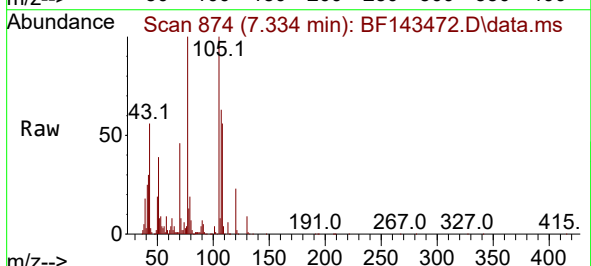
Reviewed By :Rahul Chavli 08/20/2025

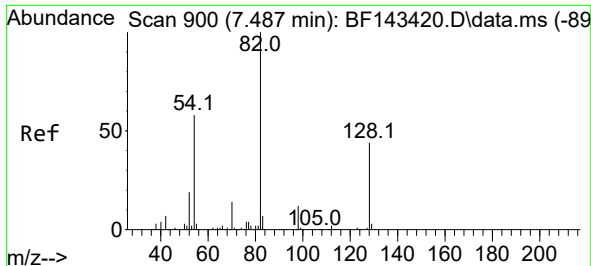
Supervised By :Jagrut Upadhyay 08/20/2025



#22
Acetophenone
Concen: 43.567 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:105 Resp: 488865
Ion Ratio Lower Upper
105 100
71 7.7 7.0 10.4
51 39.0 32.7 49.1
120 22.6 17.8 26.8





#23

Nitrobenzene-d5

Concen: 85.579 ng

RT: 7.486 min Scan# 900

Delta R.T. -0.000 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

Tgt Ion: 82 Resp: 75268

Ion Ratio Lower Upper

82 100

128 43.9 34.6 52.0

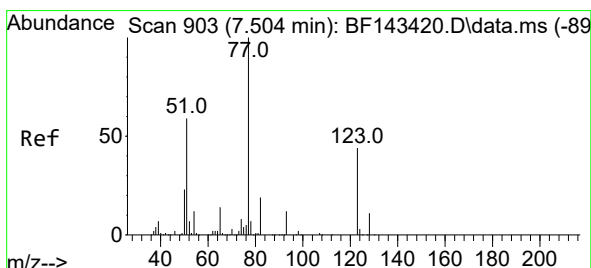
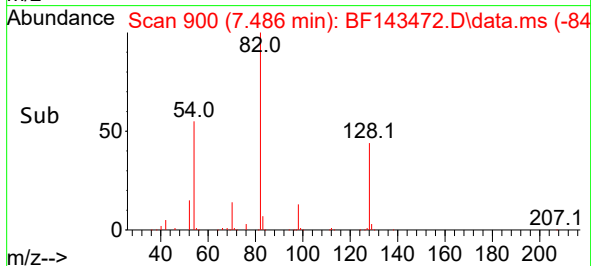
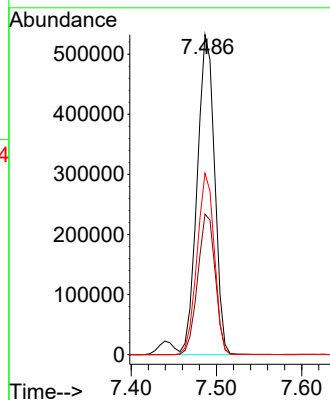
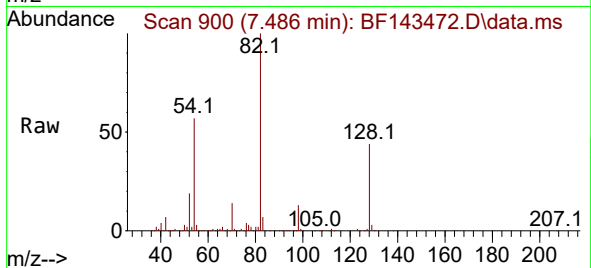
54 56.7 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#24

Nitrobenzene

Concen: 42.550 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.006 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

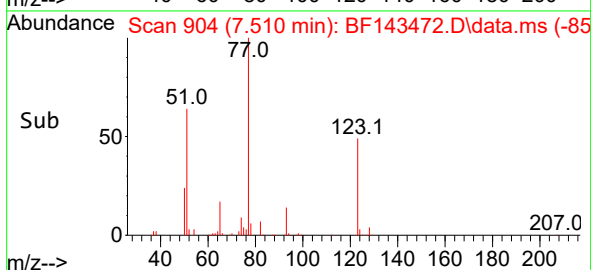
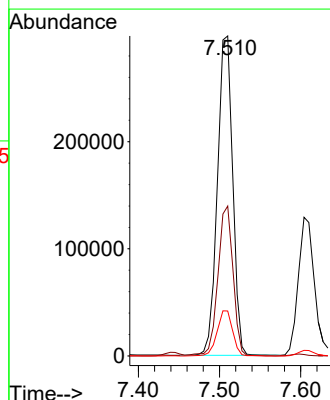
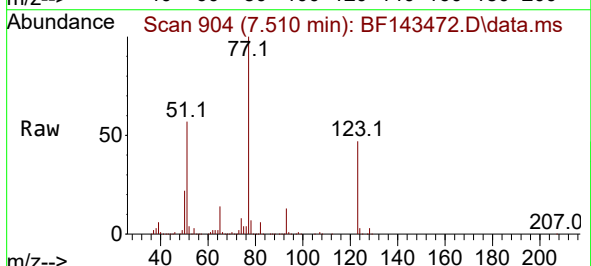
Tgt Ion: 77 Resp: 391129

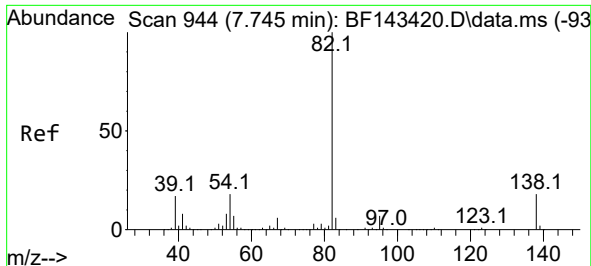
Ion Ratio Lower Upper

77 100

123 46.9 35.4 53.0

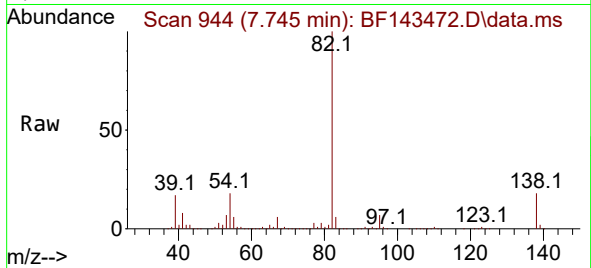
65 14.0 11.2 16.8





#25
Isophorone
Concen: 43.682 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

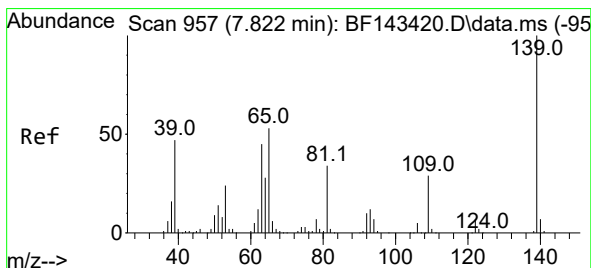
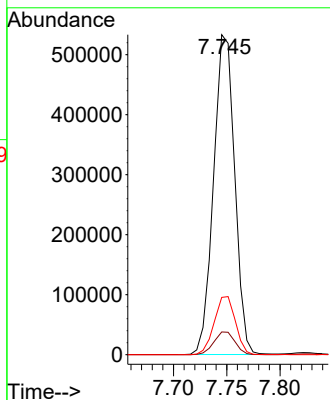
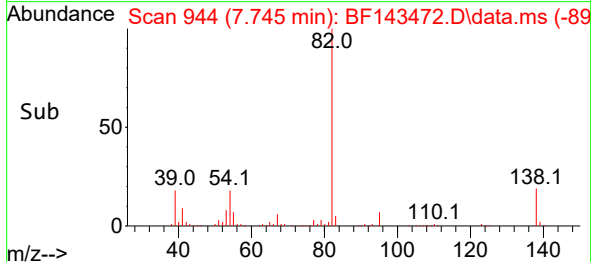
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



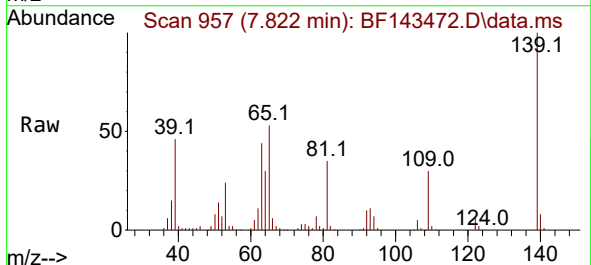
Tgt Ion: 82 Resp: 735304
Ion Ratio Lower Upper
82 100
95 7.1 5.6 8.4
138 17.9 14.3 21.5

Manual Integrations
APPROVED

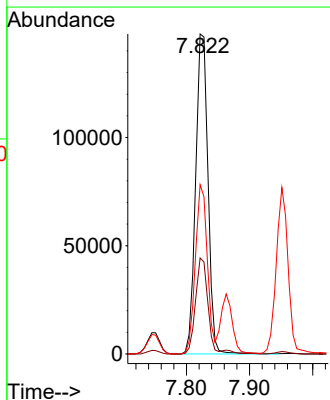
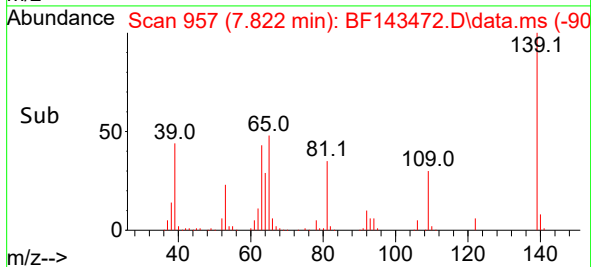
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

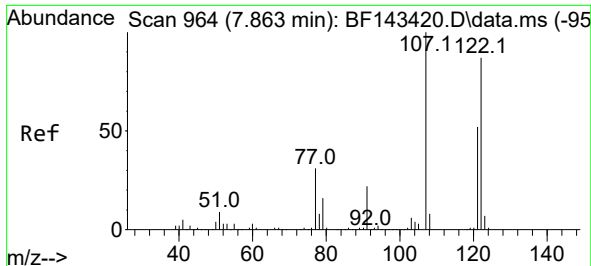


#26
2-Nitrophenol
Concen: 47.063 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:139 Resp: 200551
Ion Ratio Lower Upper
139 100
109 30.0 23.0 34.4
65 52.9 42.5 63.7





#27

2,4-Dimethylphenol

Concen: 46.387 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF143472.D

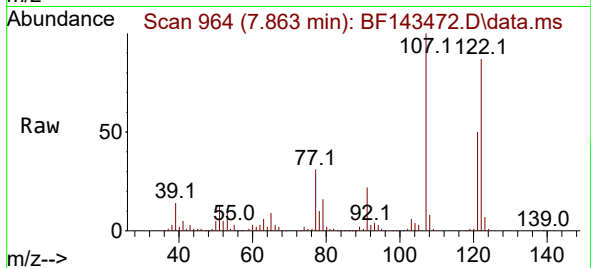
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



Tgt Ion:122 Resp: 334220

Ion Ratio Lower Upper

122 100

107 114.5 90.4 135.6

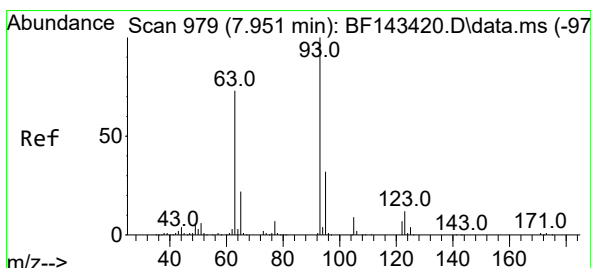
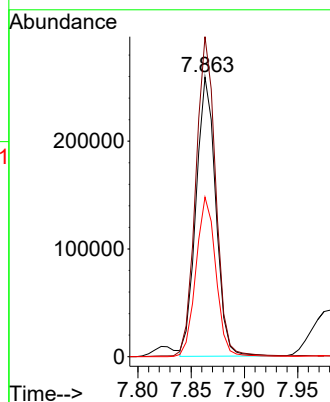
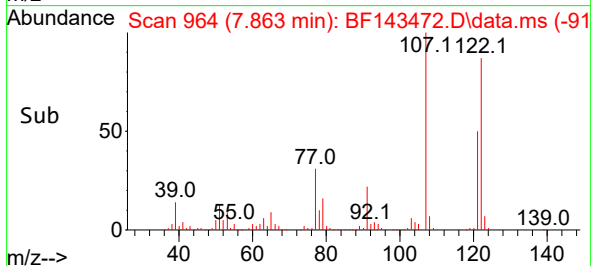
121 57.1 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#28

bis(2-Chloroethoxy)methane

Concen: 42.964 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.000 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

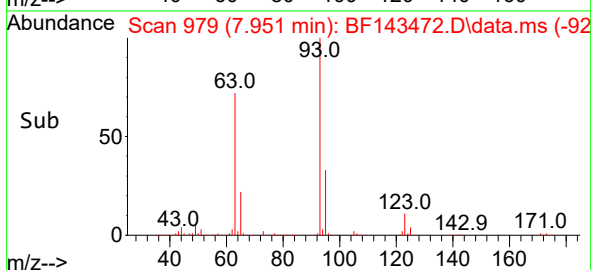
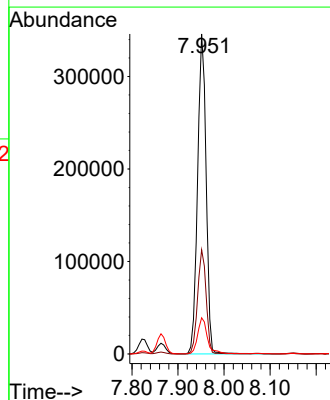
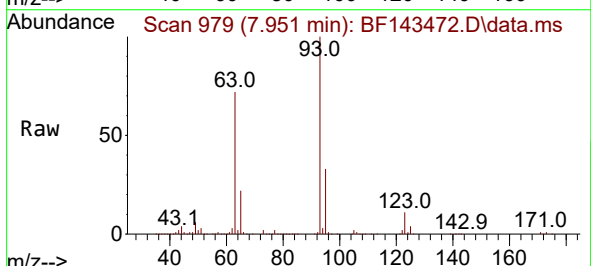
Tgt Ion: 93 Resp: 444539

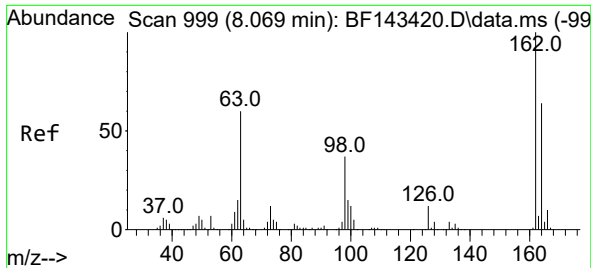
Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

123 11.3 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 44.794 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

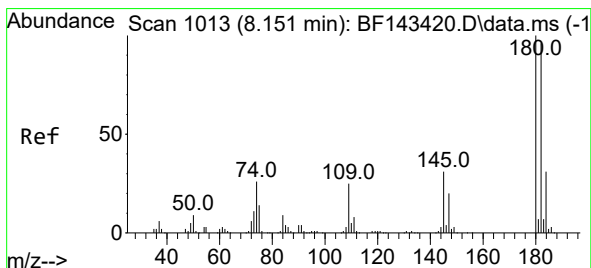
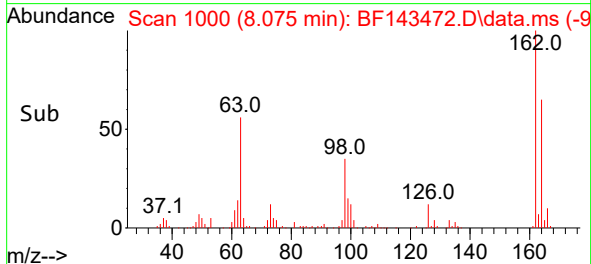
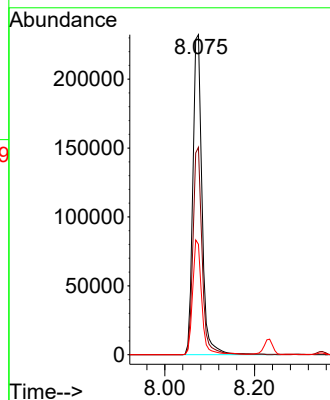
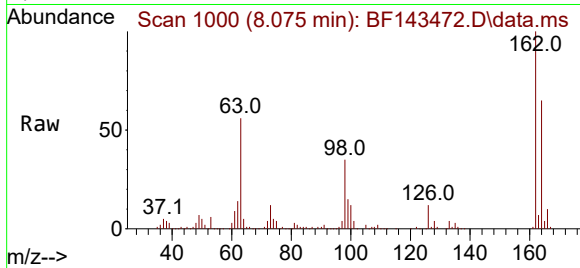
Tgt Ion:162 Resp: 329000
 Ion Ratio Lower Upper
 162 100
 164 64.8 44.3 84.3
 98 34.5 16.9 56.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.266 ng

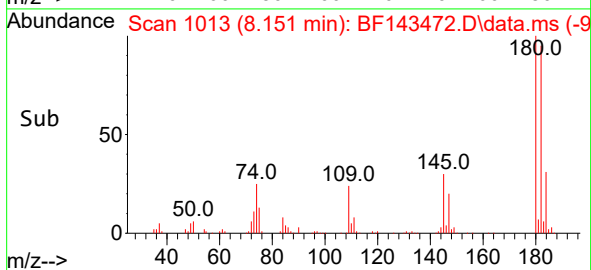
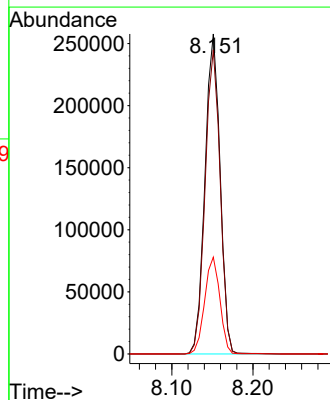
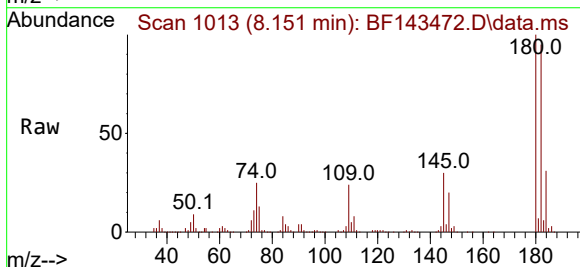
RT: 8.151 min Scan# 1013

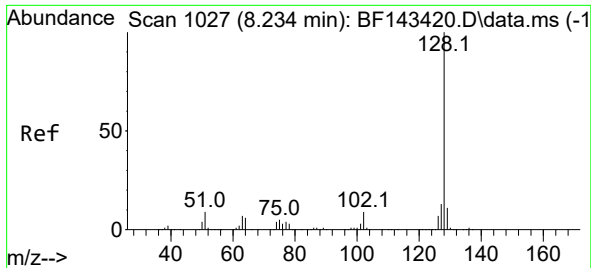
Delta R.T. -0.000 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Tgt Ion:180 Resp: 333129
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.7 115.1
 145 30.3 24.5 36.7





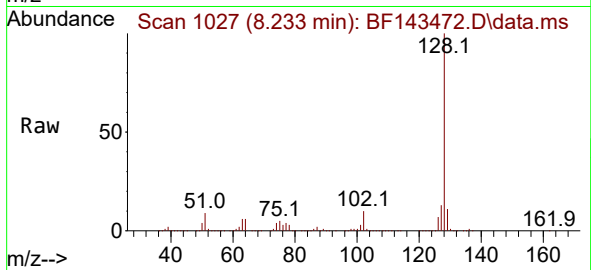
#31
Naphthalene
Concen: 41.876 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



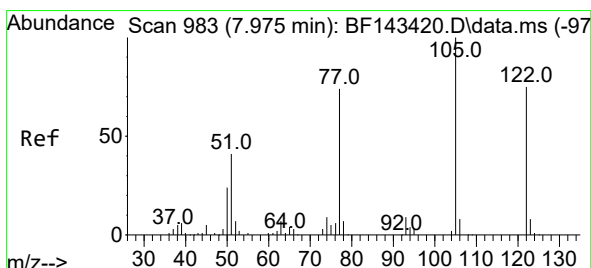
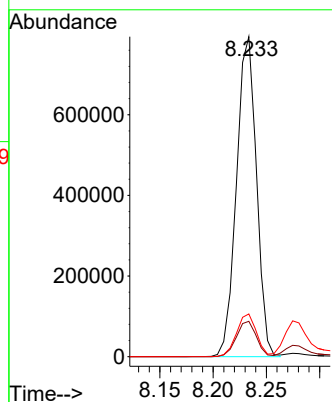
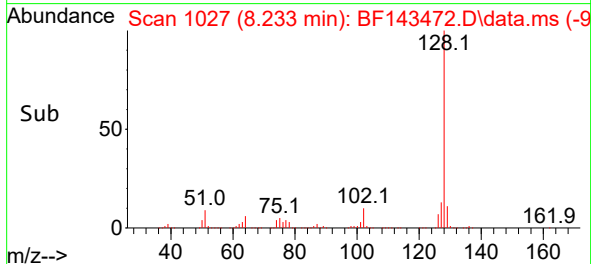
Tgt Ion:128 Resp: 103758
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.3 10.6 16.0

Manual Integrations

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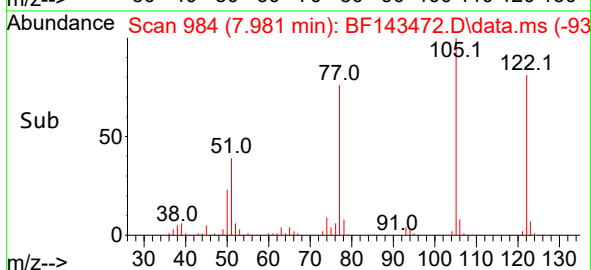
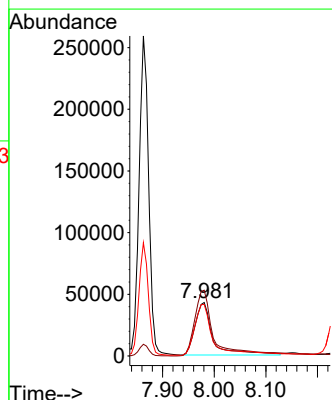
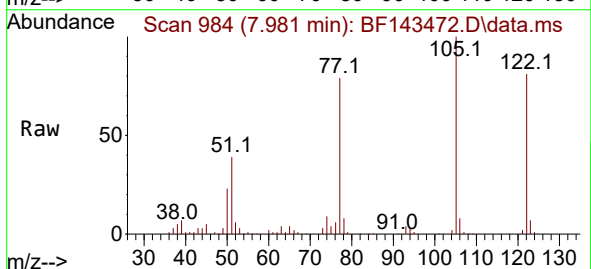
Reviewed By :Rahul Chavli 08/20/2025

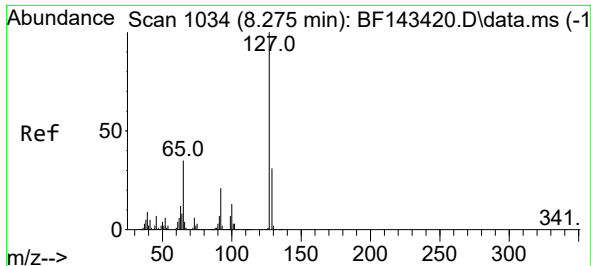
Supervised By :Jagrut Upadhyay 08/20/2025



#32
Benzoic acid
Concen: 27.479 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:122 Resp: 102968
Ion Ratio Lower Upper
122 100
105 123.3 108.4 148.4
77 96.9 75.9 115.9





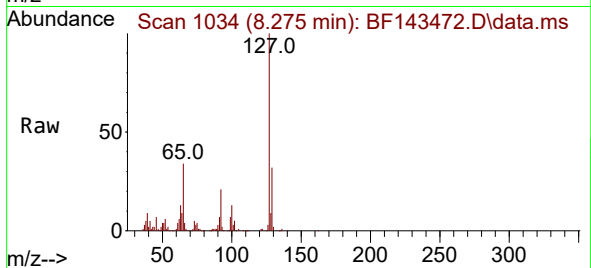
#33
4-Chloroaniline
Concen: 18.250 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



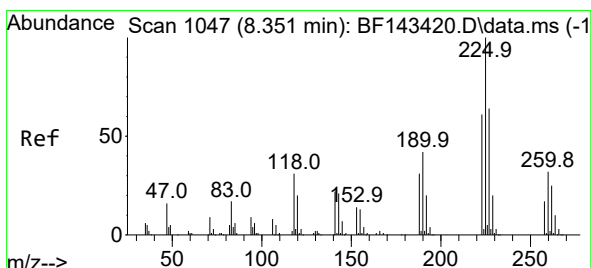
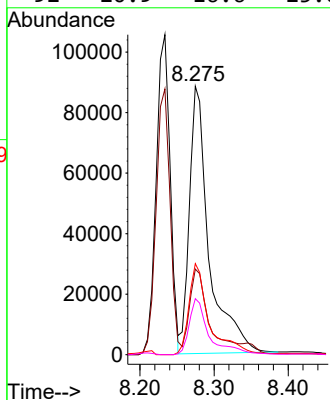
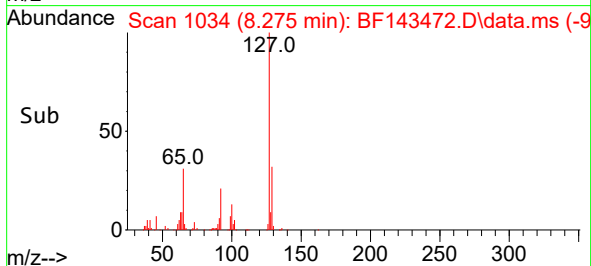
Tgt Ion:127 Resp: 163210
Ion Ratio Lower Upper
127 100
129 31.9 25.8 38.8
65 33.9 27.2 40.8
92 20.9 16.6 25.0

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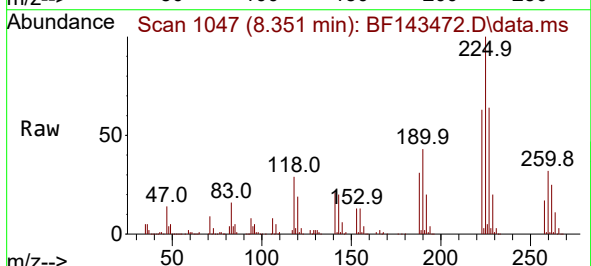
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

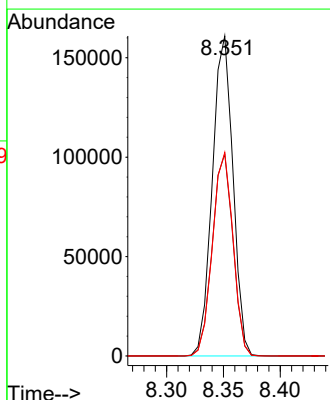
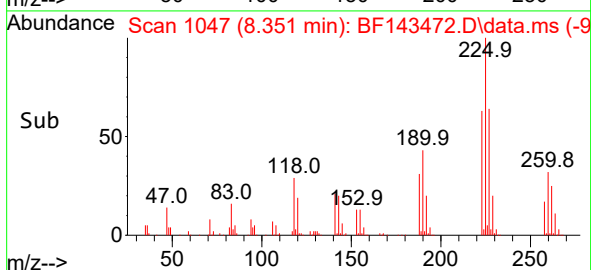
Supervised By :Jagrut Upadhyay 08/20/2025

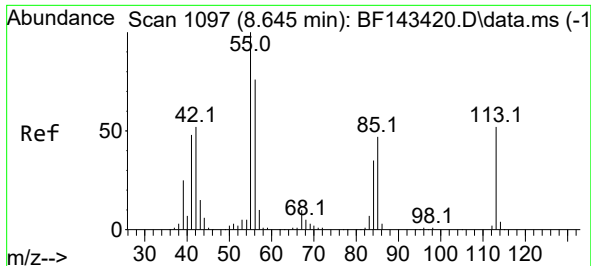


#34
Hexachlorobutadiene
Concen: 42.342 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



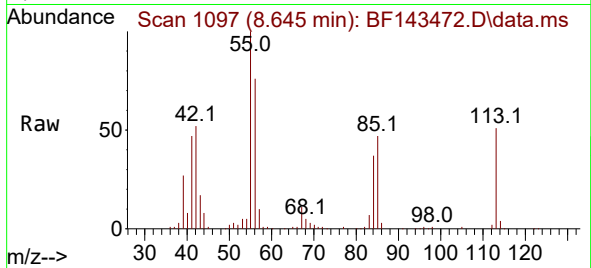
Tgt Ion:225 Resp: 203196
Ion Ratio Lower Upper
225 100
223 63.1 49.0 73.6
227 63.6 51.1 76.7





#35
 Caprolactam
 Concen: 39.700 ng m
 RT: 8.645 min Scan# 1097
 Delta R.T. -0.000 min
 Lab File: BF143472.D
 Acq: 19 Aug 2025 23:46

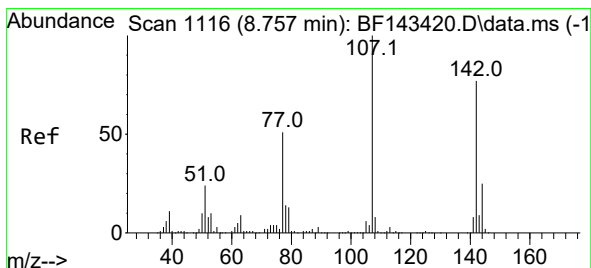
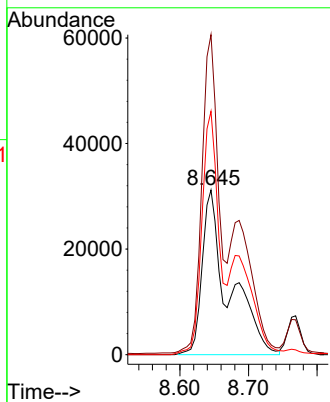
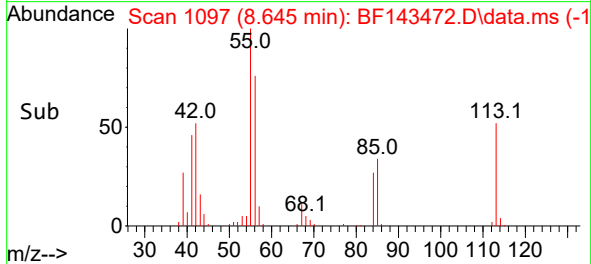
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD



Tgt Ion:113 Resp: 83950
 Ion Ratio Lower Upper
 113 100
 55 194.4 174.7 214.7
 56 147.8 127.0 167.0

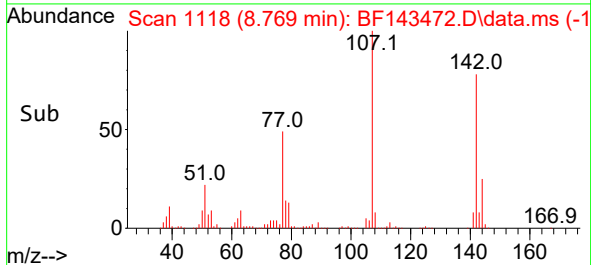
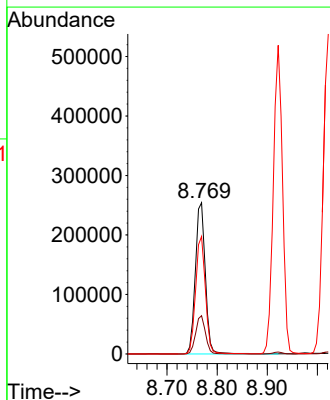
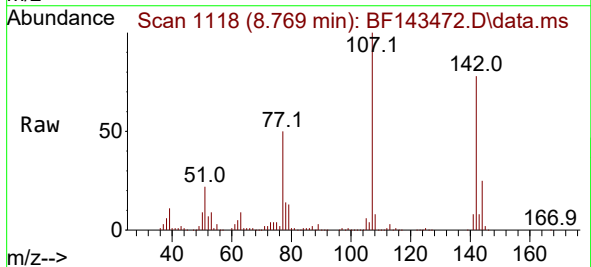
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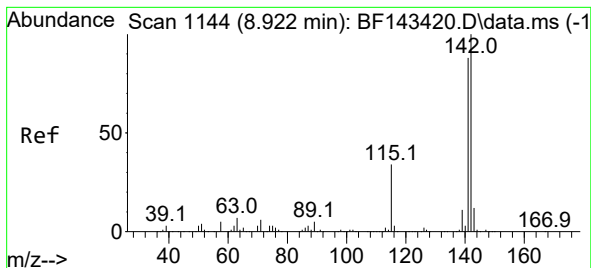
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025



#36
 4-Chloro-3-methylphenol
 Concen: 46.326 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. 0.012 min
 Lab File: BF143472.D
 Acq: 19 Aug 2025 23:46

Tgt Ion:107 Resp: 350429
 Ion Ratio Lower Upper
 107 100
 144 25.3 20.2 30.2
 142 77.7 62.0 93.0





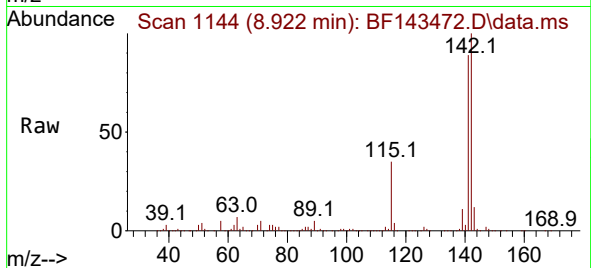
#37
2-Methylnaphthalene
Concen: 39.293 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

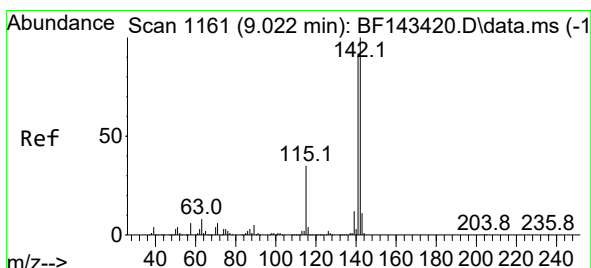
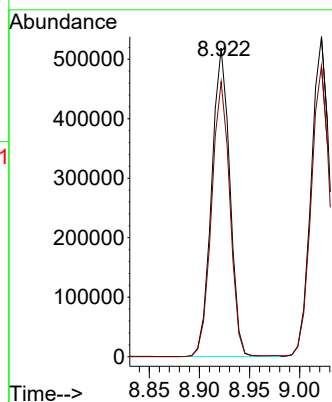
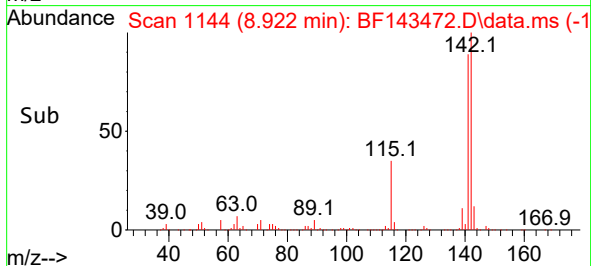


Tgt Ion:142 Resp: 656230
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5

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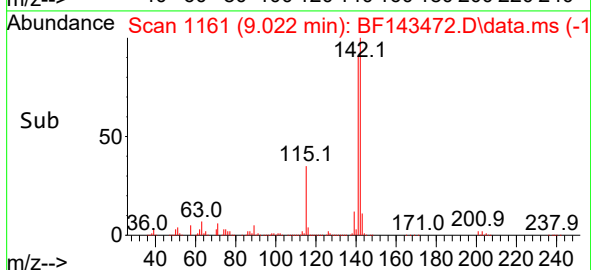
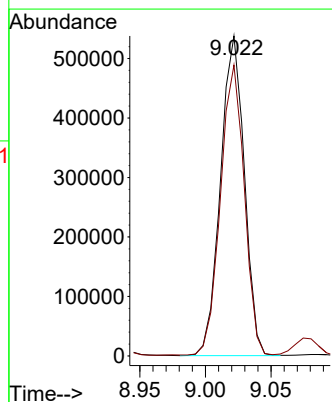
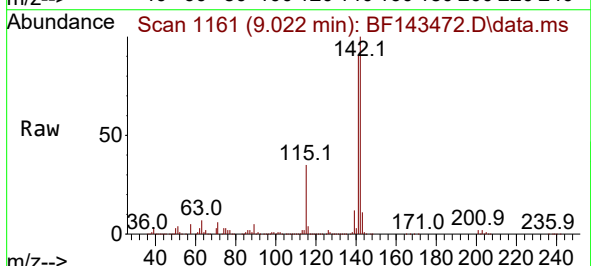
APPROVED

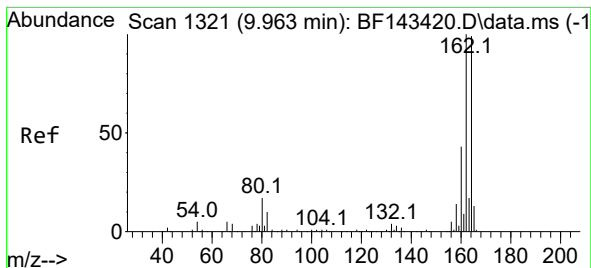
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#38
1-Methylnaphthalene
Concen: 42.409 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:142 Resp: 678600
Ion Ratio Lower Upper
142 100
141 90.9 73.8 110.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF143472.D

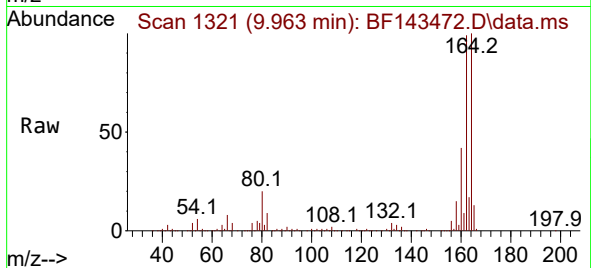
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



Tgt Ion:164 Resp: 30573

Ion Ratio Lower Upper

164 100

162 98.7 80.6 121.0

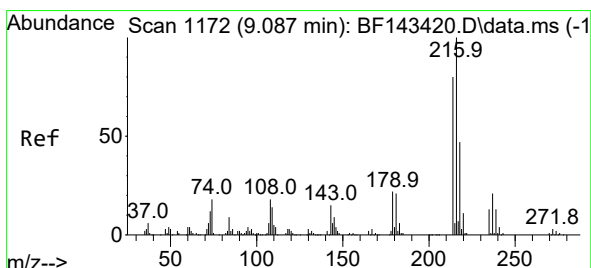
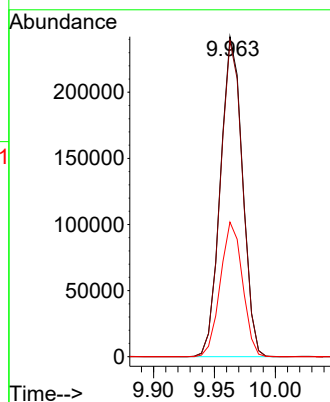
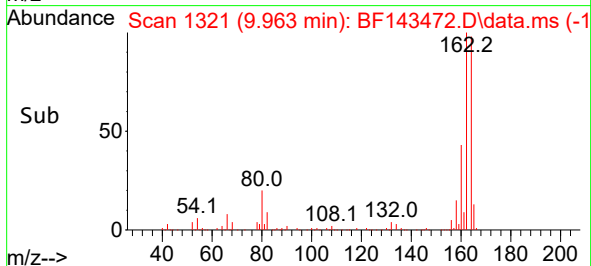
160 42.1 34.6 51.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.807 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Tgt Ion:216 Resp: 347939

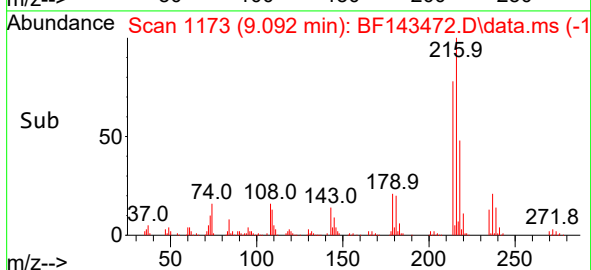
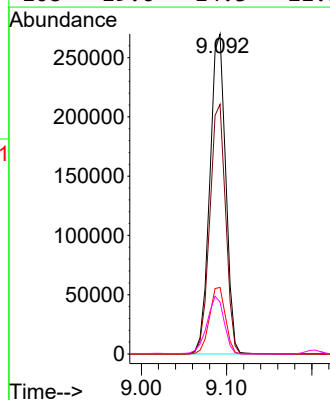
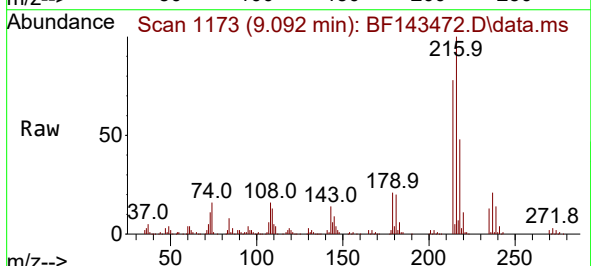
Ion Ratio Lower Upper

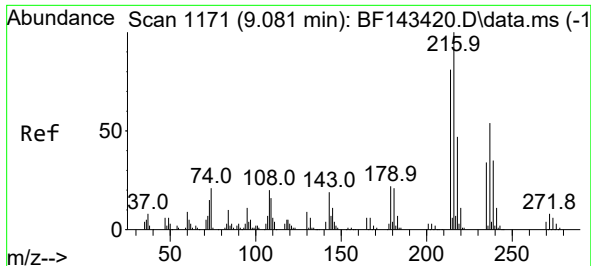
216 100

214 78.2 63.7 95.5

179 21.0 17.0 25.4

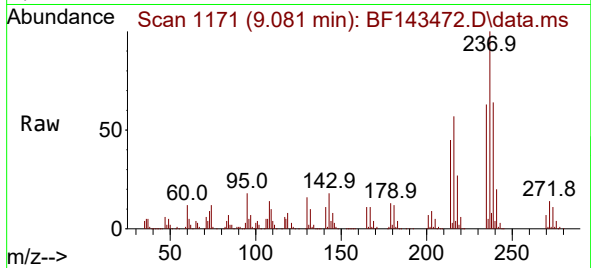
108 19.6 14.3 21.5





#41
Hexachlorocyclopentadiene
Concen: 106.649 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

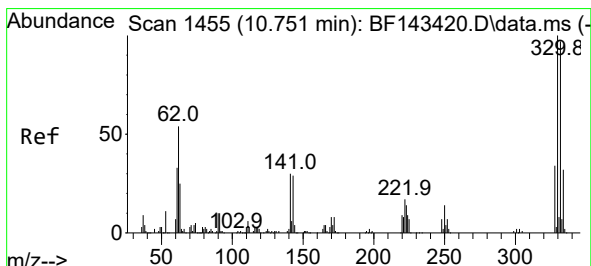
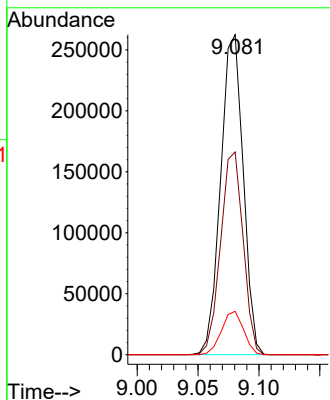
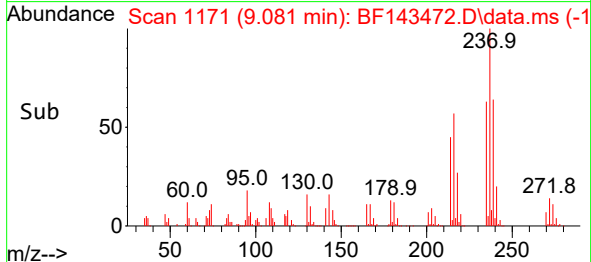
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



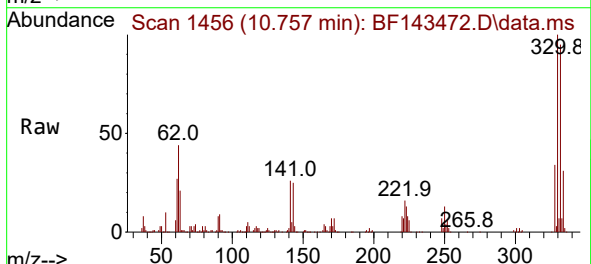
Tgt Ion:237 Resp: 339079
Ion Ratio Lower Upper
237 100
235 63.3 41.6 81.6
272 13.6 0.0 33.8

Manual Integrations
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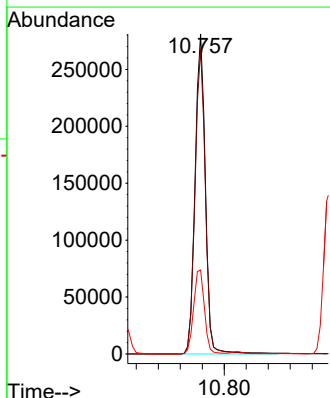
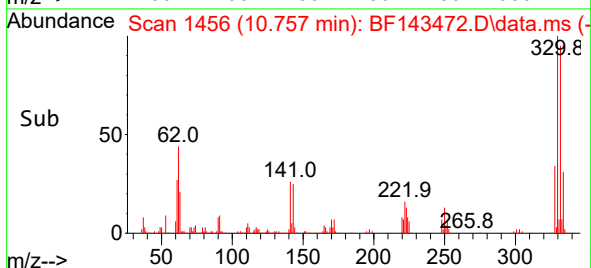
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

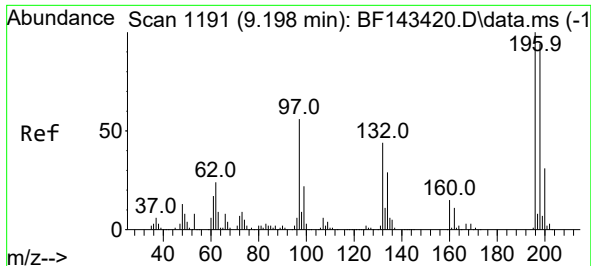


#42
2,4,6-Tribromophenol
Concen: 134.513 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:330 Resp: 366041
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 27.5 24.1 36.1





#43

2,4,6-Trichlorophenol

Concen: 44.723 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.006 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

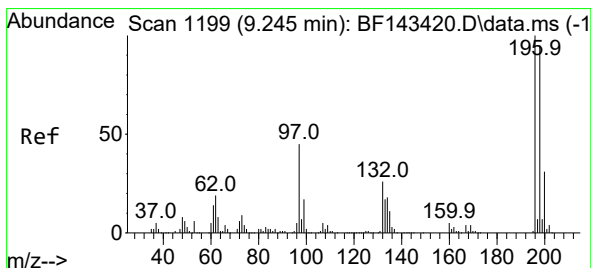
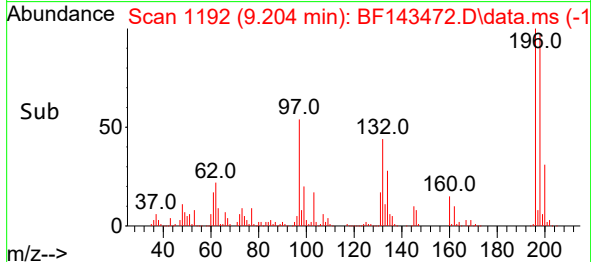
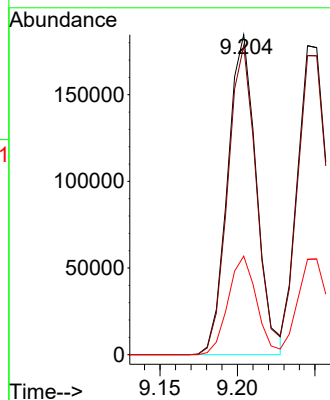
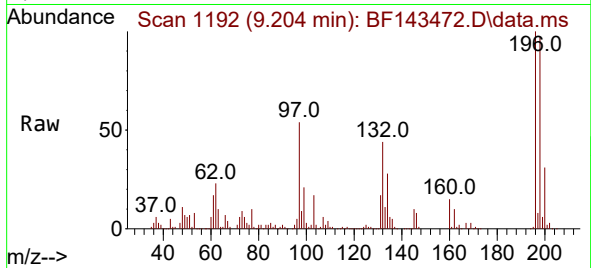
Tgt Ion:196 Resp: 23787
 Ion Ratio Lower Upper
 196 100
 198 96.5 75.4 113.2
 200 30.8 24.7 37.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#44

2,4,5-Trichlorophenol

Concen: 44.103 ng

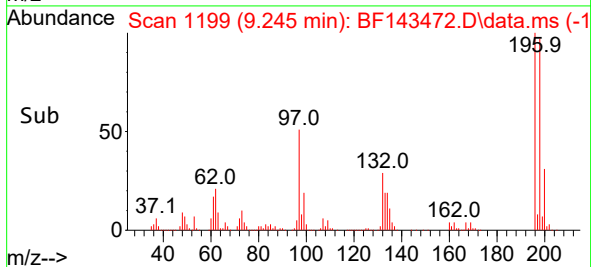
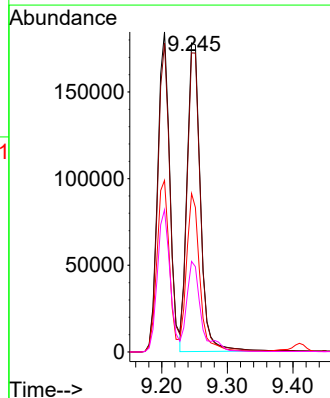
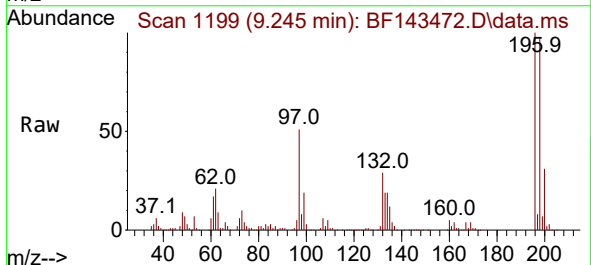
RT: 9.245 min Scan# 1199

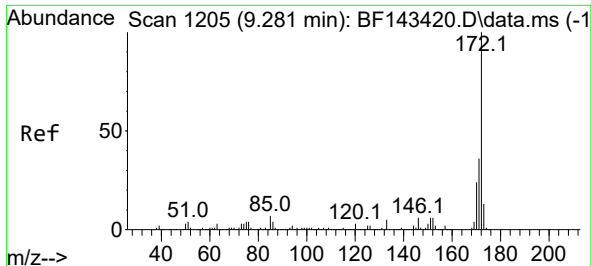
Delta R.T. -0.000 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

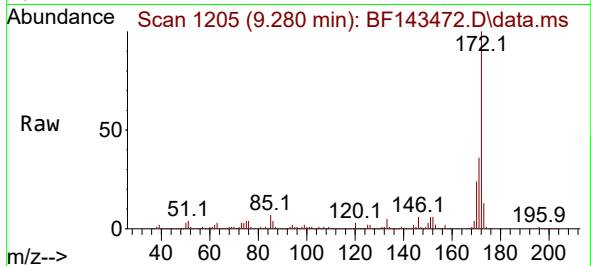
Tgt Ion:196 Resp: 251448
 Ion Ratio Lower Upper
 196 100
 198 96.8 76.2 114.4
 97 51.3 36.6 55.0
 132 29.3 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 78.592 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

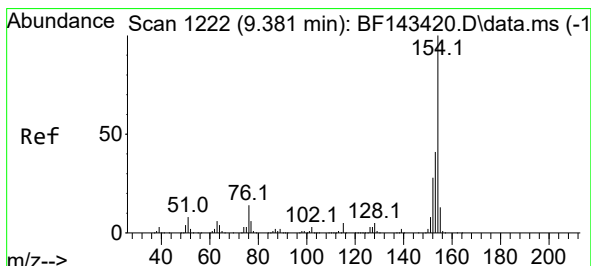
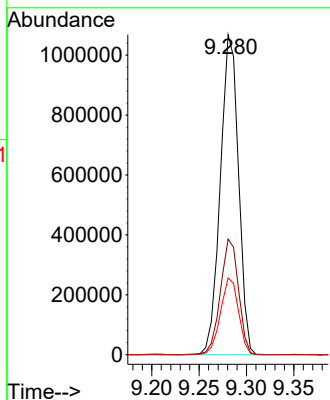
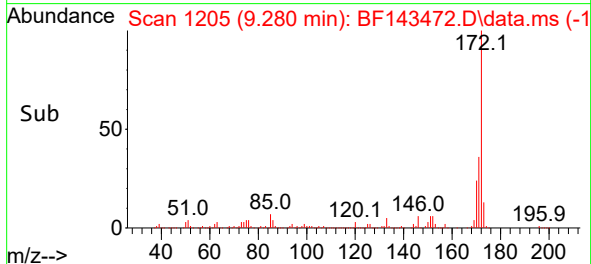
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



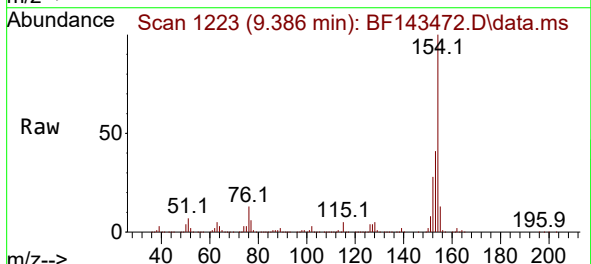
Tgt Ion:172 Resp: 142854
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.9 19.0 28.6

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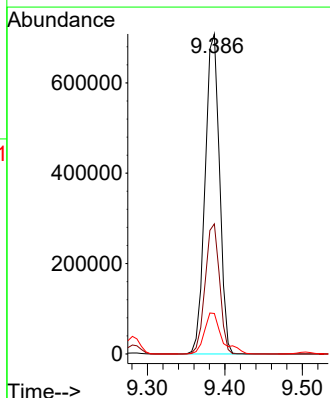
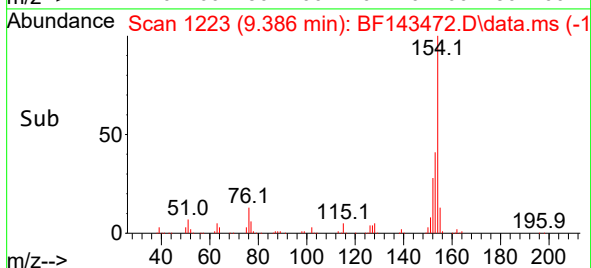
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

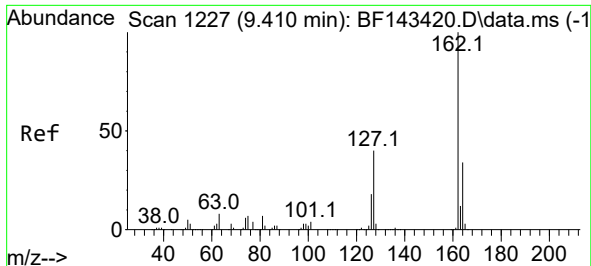


#46
1,1'-Biphenyl
Concen: 42.519 ng
RT: 9.386 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:154 Resp: 913357
Ion Ratio Lower Upper
154 100
153 40.6 20.6 60.6
76 12.6 0.0 33.8





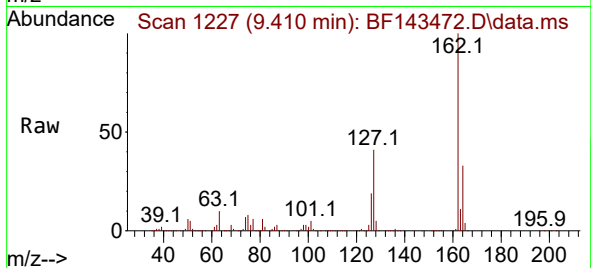
#47
2-Chloronaphthalene
Concen: 41.528 ng
RT: 9.410 min Scan# 1227
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

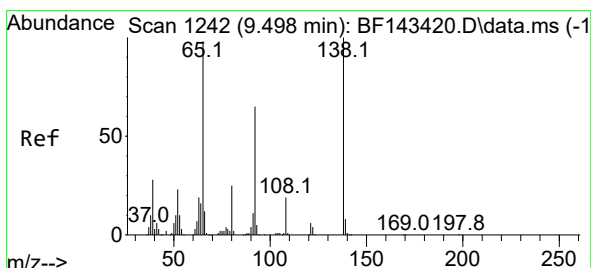
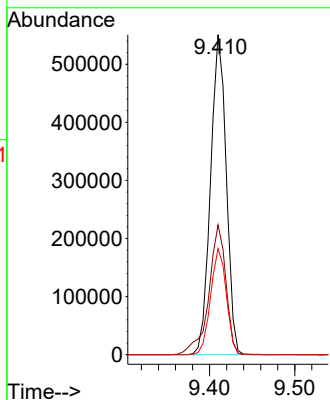
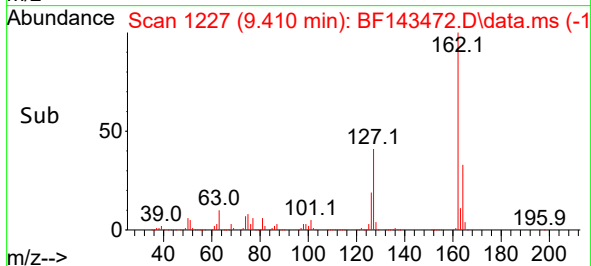


Tgt Ion:162 Resp: 704159
Ion Ratio Lower Upper
162 100
127 40.6 32.3 48.5
164 33.2 26.9 40.3

Manual Integrations

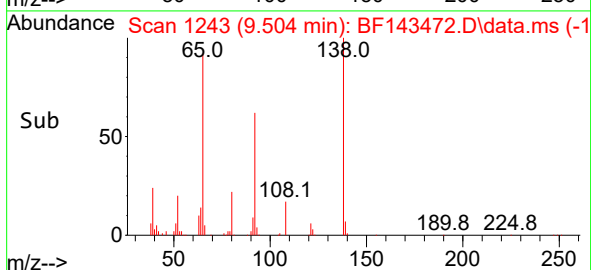
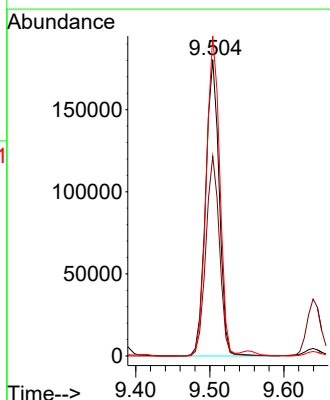
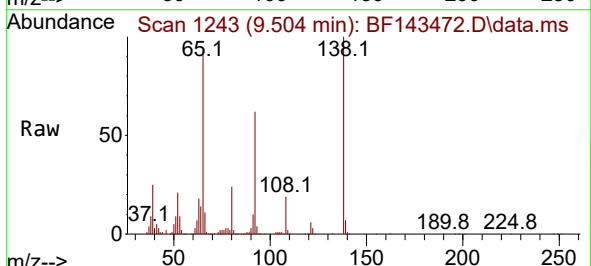
APPROVED

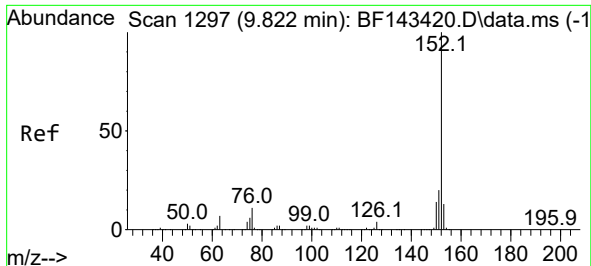
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#48
2-Nitroaniline
Concen: 45.734 ng
RT: 9.504 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion: 65 Resp: 230773
Ion Ratio Lower Upper
65 100
92 67.5 52.9 79.3
138 108.0 81.3 121.9





#49

Acenaphthylene

Concen: 47.162 ng

RT: 9.828 min Scan# 1298

Delta R.T. 0.006 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

Tgt Ion:152 Resp: 1154620

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

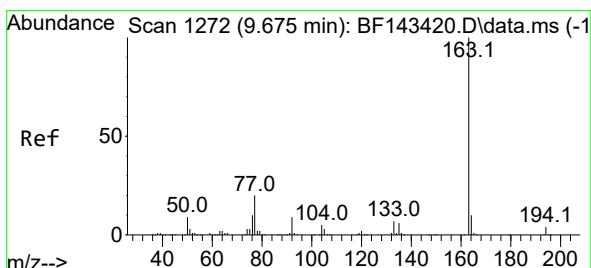
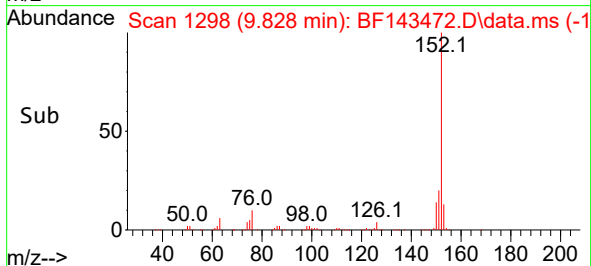
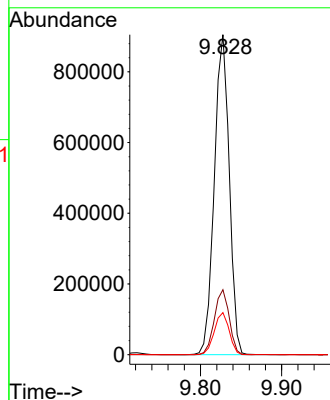
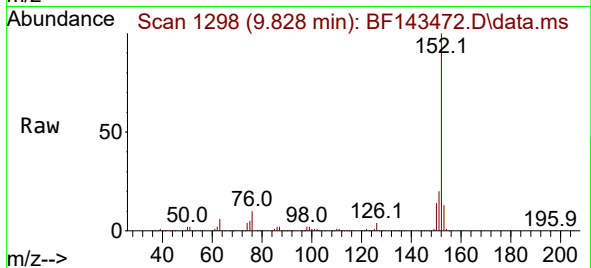
153 13.1 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#50

Dimethylphthalate

Concen: 45.734 ng

RT: 9.680 min Scan# 1273

Delta R.T. 0.006 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

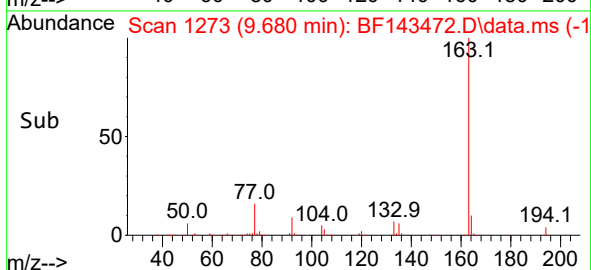
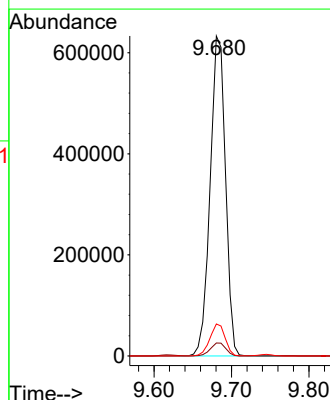
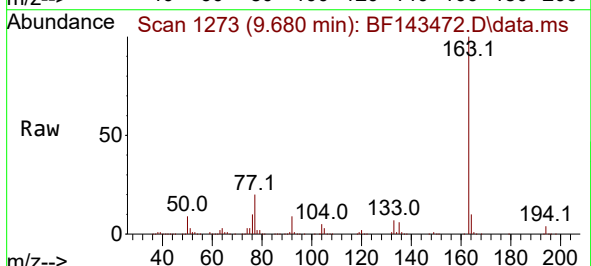
Tgt Ion:163 Resp: 871727

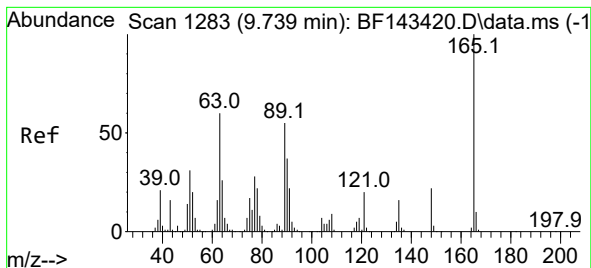
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

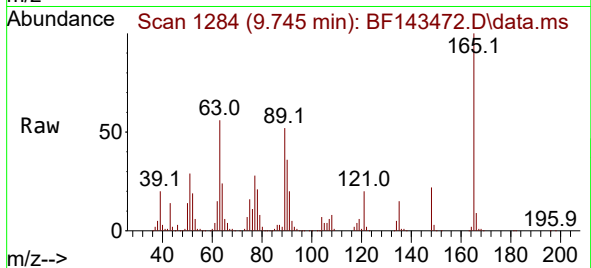
164 10.0 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 50.218 ng
RT: 9.745 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

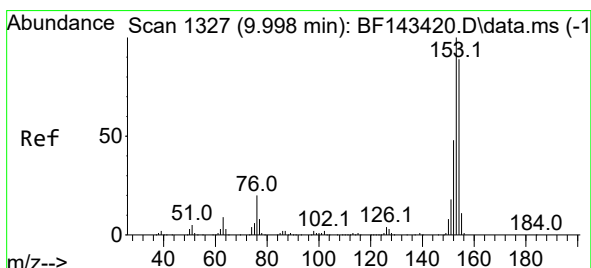
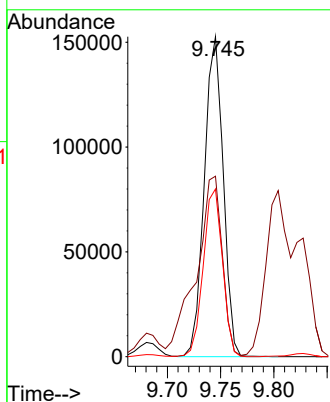
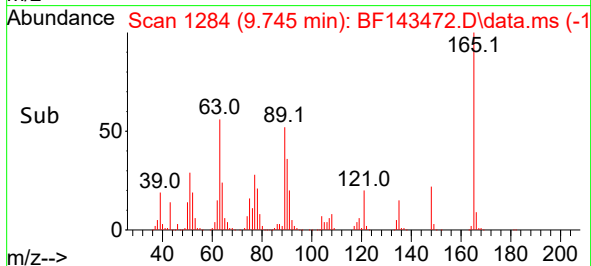
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:165 Resp: 188694
Ion Ratio Lower Upper
165 100
63 56.4 48.2 72.2
89 52.4 44.2 66.2

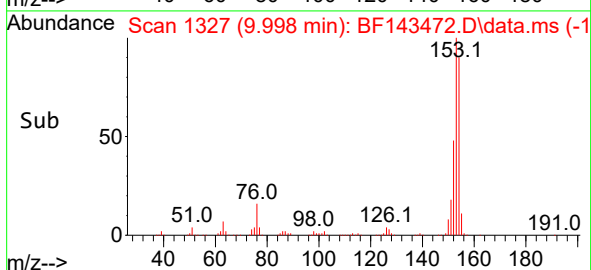
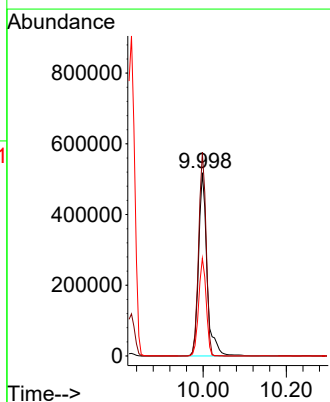
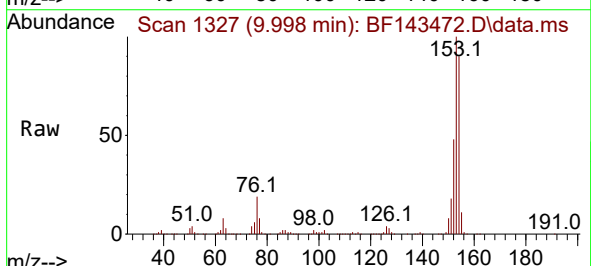
Manual Integrations
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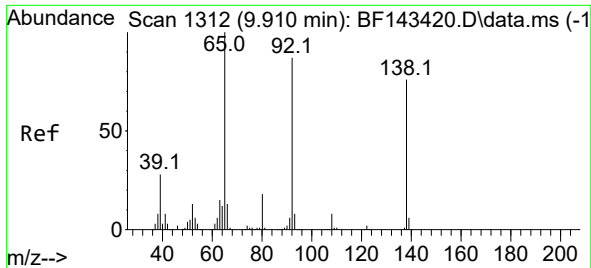
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#52
Acenaphthene
Concen: 44.596 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:154 Resp: 734326
Ion Ratio Lower Upper
154 100
153 111.1 89.5 134.3
152 53.3 42.6 64.0





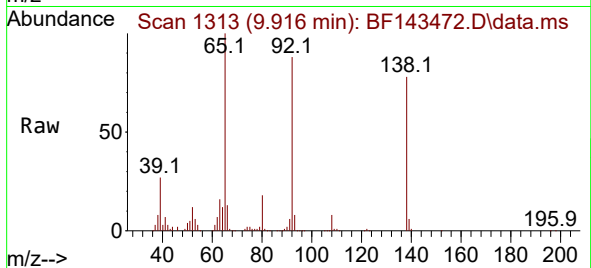
#53
3-Nitroaniline
Concen: 29.352 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



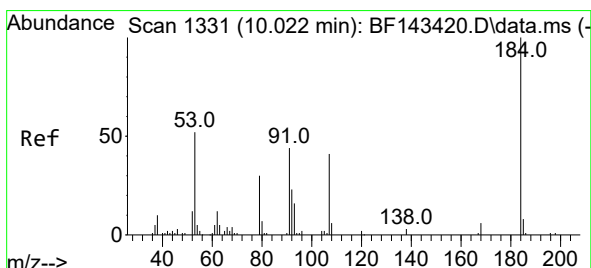
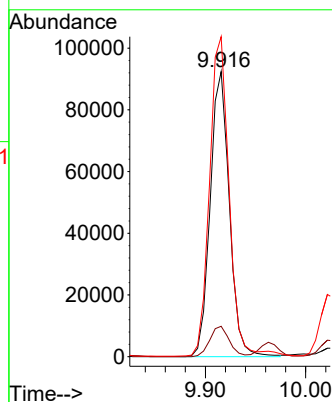
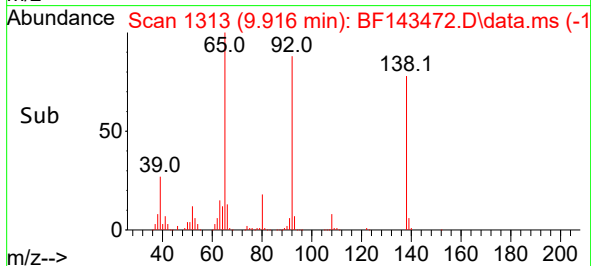
Tgt Ion:138 Resp: 12285
Ion Ratio Lower Upper
138 100
108 10.7 8.7 13.1
92 112.2 91.4 137.2

Manual Integrations

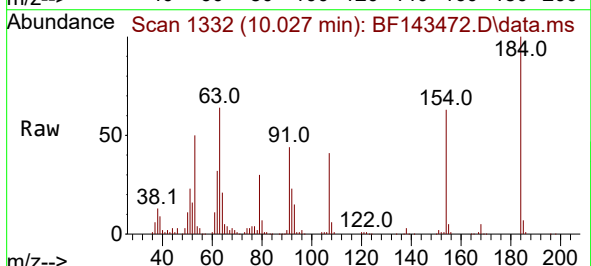
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

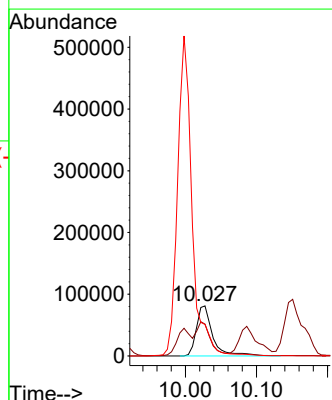
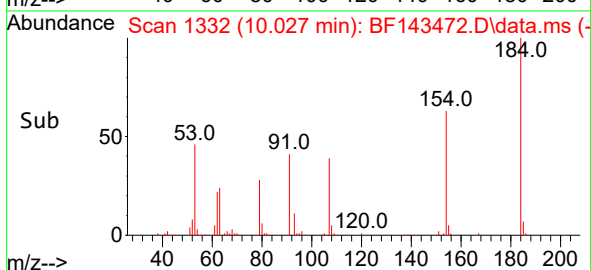
Supervised By :Jagrut Upadhyay 08/20/2025

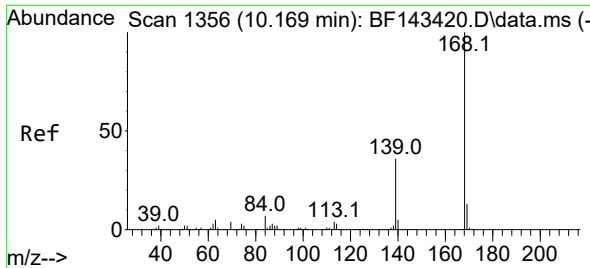


#54
2,4-Dinitrophenol
Concen: 74.899 ng
RT: 10.027 min Scan# 1332
Delta R.T. 0.005 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



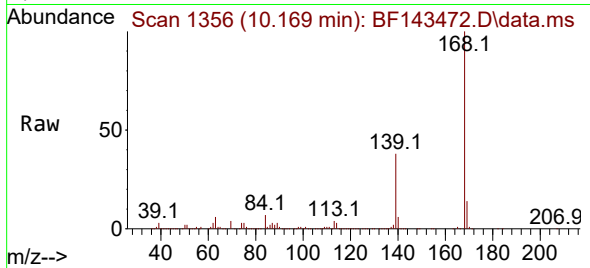
Tgt Ion:184 Resp: 130145
Ion Ratio Lower Upper
184 100
63 63.7 53.2 79.8
154 63.1 51.3 76.9





#55
Dibenzenofuran
Concen: 42.602 ng
RT: 10.169 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

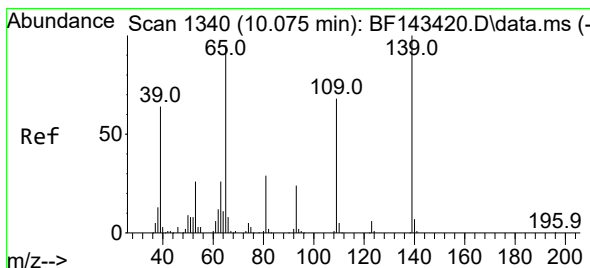
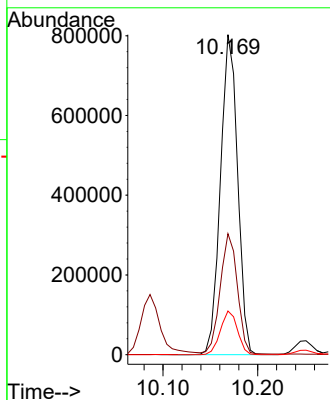
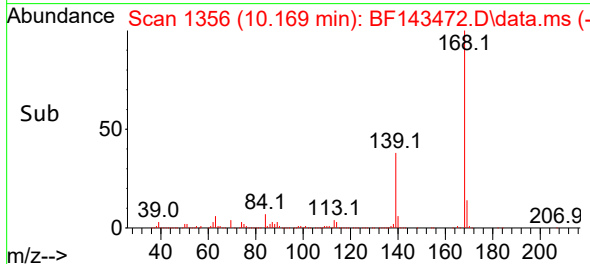
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:168 Resp: 101194
Ion Ratio Lower Upper
168 100
139 37.8 29.3 43.9
169 13.7 10.8 16.2

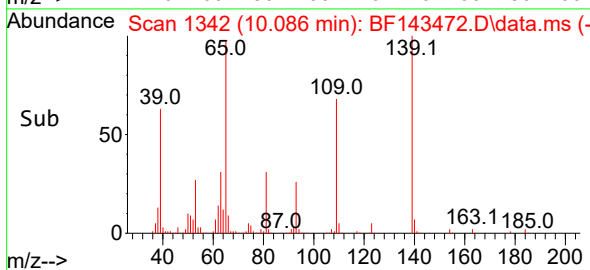
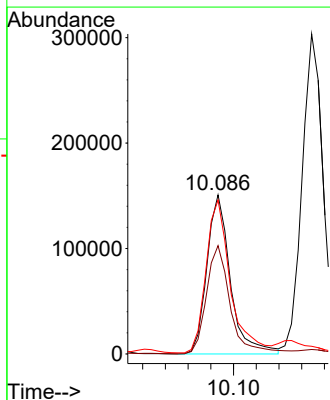
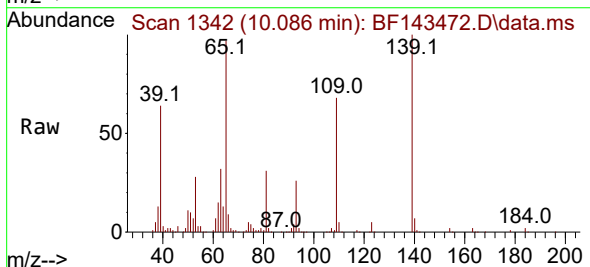
Manual Integrations
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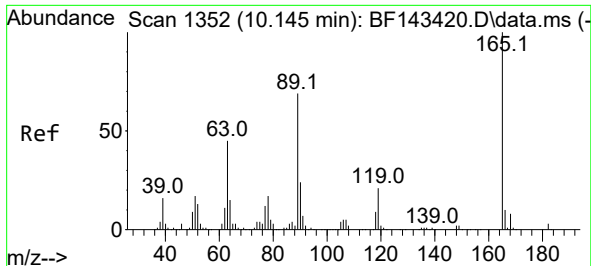
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#56
4-Nitrophenol
Concen: 82.550 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.012 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

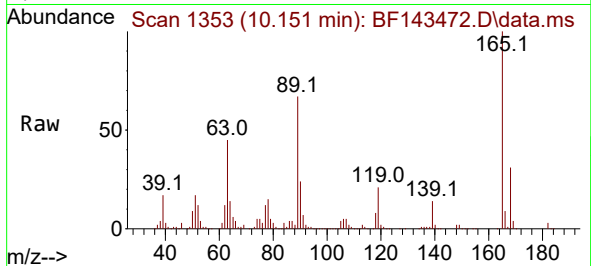
Tgt Ion:139 Resp: 217228
Ion Ratio Lower Upper
139 100
109 68.1 47.7 87.7
65 96.8 76.4 116.4





#57
2,4-Dinitrotoluene
Concen: 51.399 ng
RT: 10.151 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

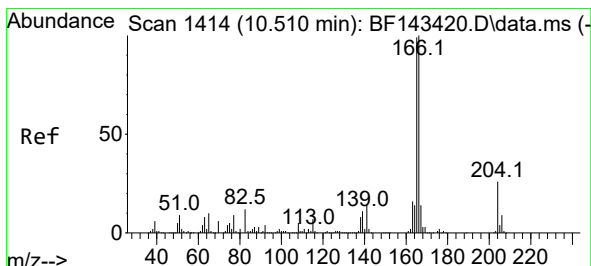
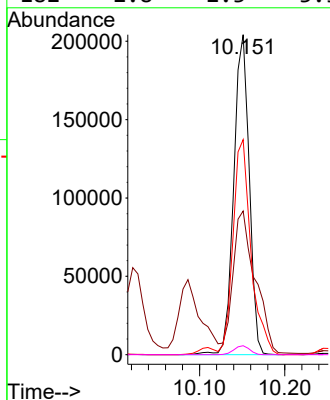
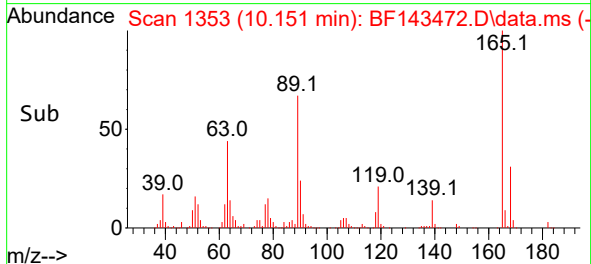
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



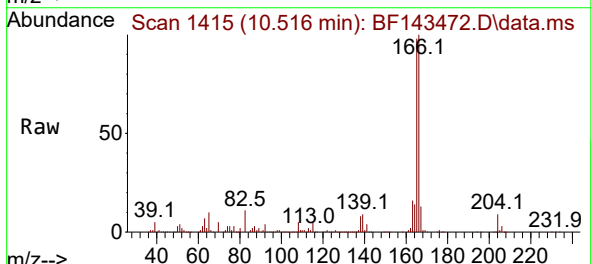
Tgt Ion:165 Resp: 257492
Ion Ratio Lower Upper
165 100
63 44.9 37.0 55.6
89 67.2 55.4 83.0
182 2.8 2.3 3.5

Manual Integrations
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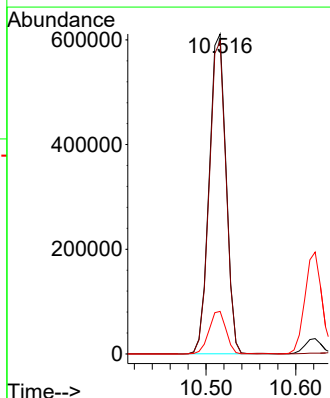
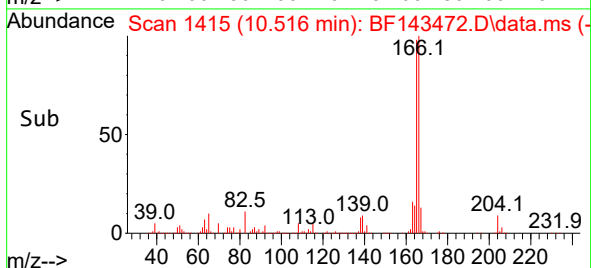
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

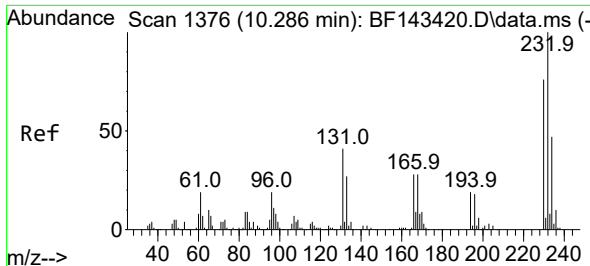


#58
Fluorene
Concen: 43.572 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



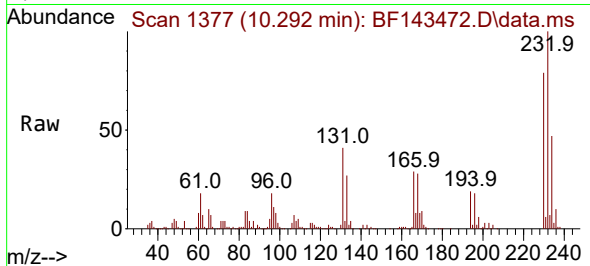
Tgt Ion:166 Resp: 795119
Ion Ratio Lower Upper
166 100
165 97.7 79.0 118.6
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.659 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

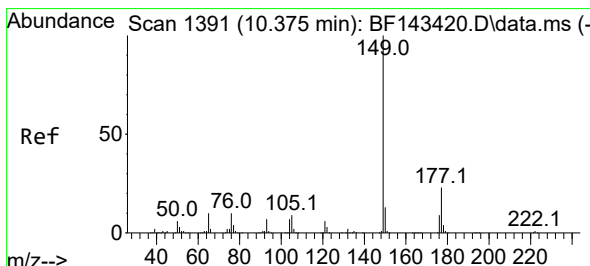
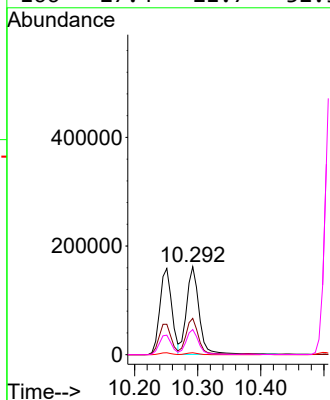
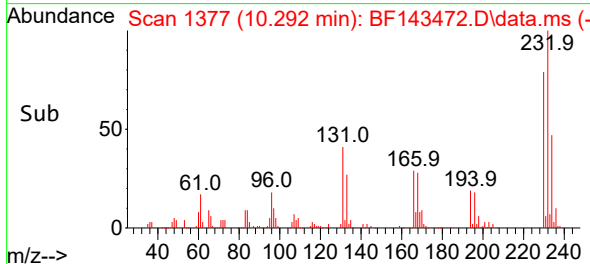
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



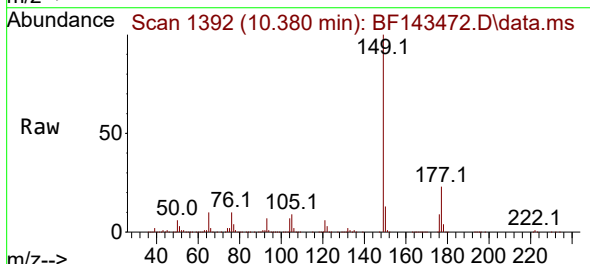
Tgt Ion:232 Resp: 22295
Ion Ratio Lower Upper
232 100
131 41.4 32.0 48.0
130 2.1 1.7 2.5
166 27.4 21.7 32.5

Manual Integrations
APPROVED

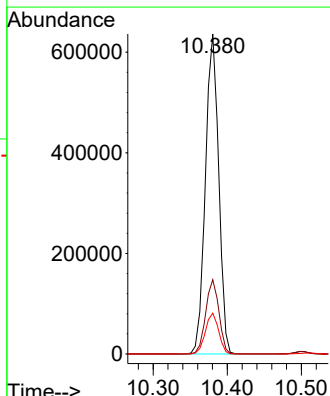
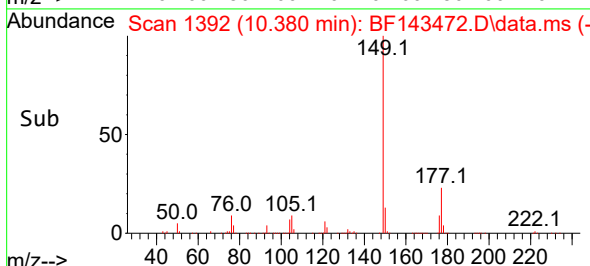
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

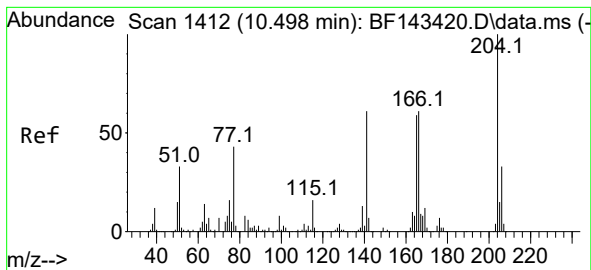


#60
Diethylphthalate
Concen: 45.077 ng
RT: 10.380 min Scan# 1392
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



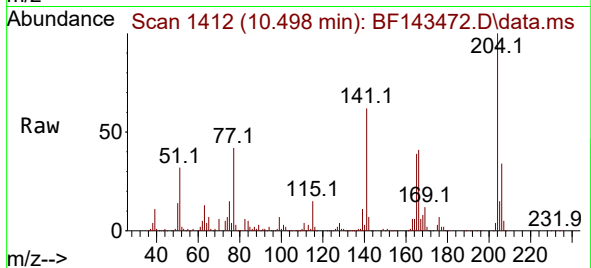
Tgt Ion:149 Resp: 793996
Ion Ratio Lower Upper
149 100
177 23.2 18.2 27.4
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.997 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

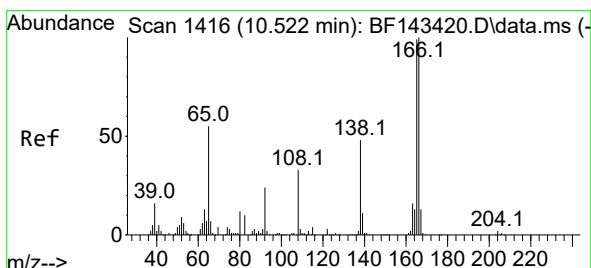
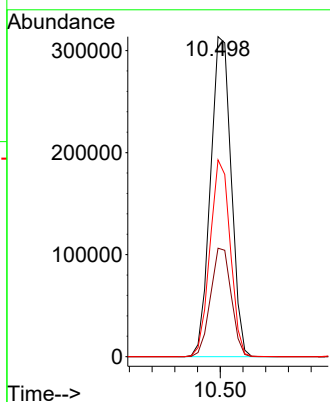
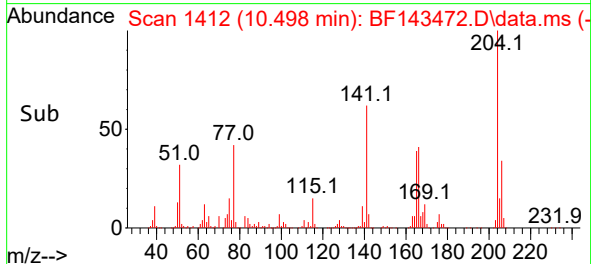
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



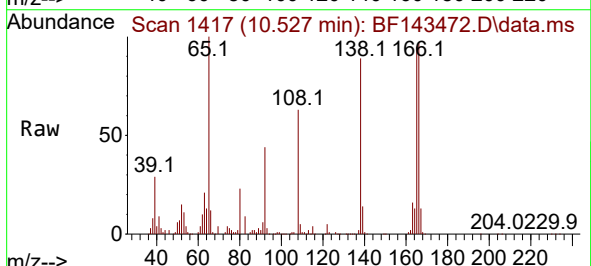
Tgt Ion:204 Resp: 39694
Ion Ratio Lower Upper
204 100
206 33.9 26.5 39.7
141 61.5 49.0 73.4

Manual Integrations
APPROVED

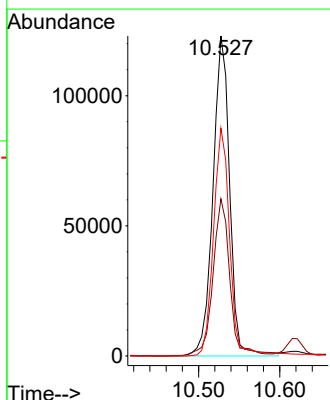
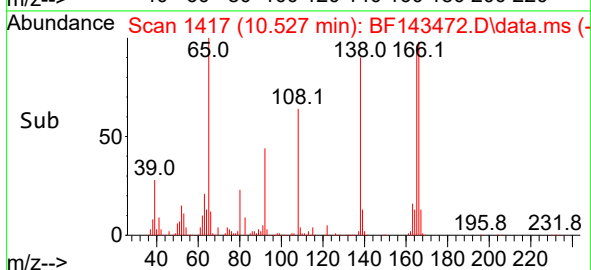
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

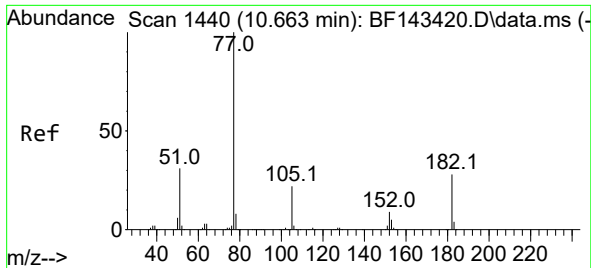


#62
4-Nitroaniline
Concen: 44.978 ng
RT: 10.527 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:138 Resp: 176059
Ion Ratio Lower Upper
138 100
92 49.1 29.4 69.4
108 71.2 48.6 88.6





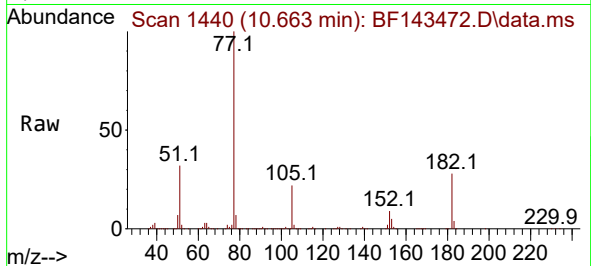
#63
Azobenzene
Concen: 44.475 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



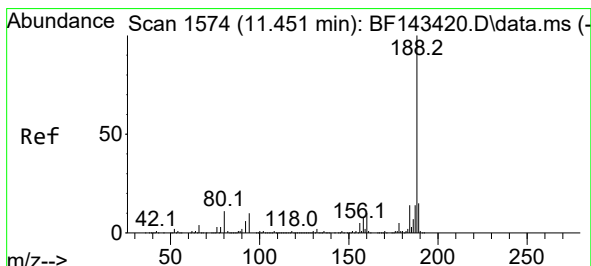
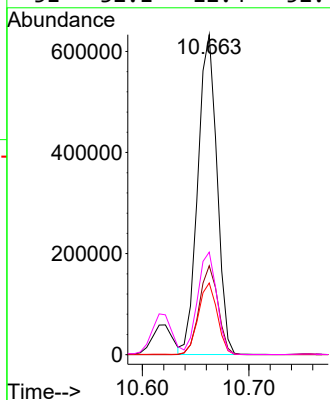
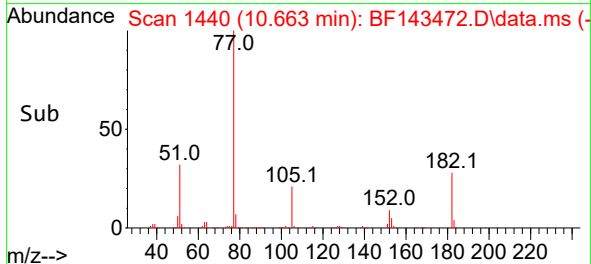
Tgt Ion: 77 Resp: 791777
Ion Ratio Lower Upper
77 100
182 27.8 7.4 47.4
105 22.4 1.7 41.7
51 32.1 12.4 52.4

Manual Integrations

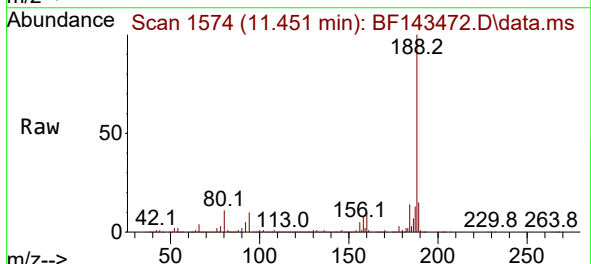
APPROVED

Reviewed By :Rahul Chavli 08/20/2025

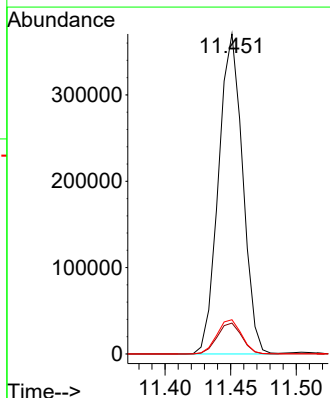
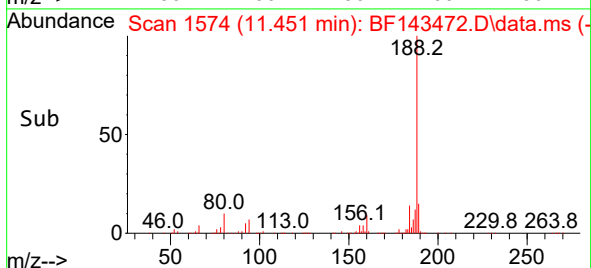
Supervised By :Jagrut Upadhyay 08/20/2025

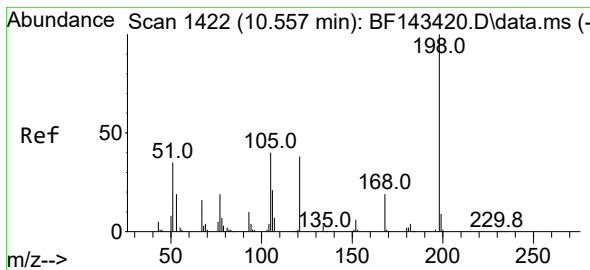


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:188 Resp: 474857
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.7 8.6 12.8





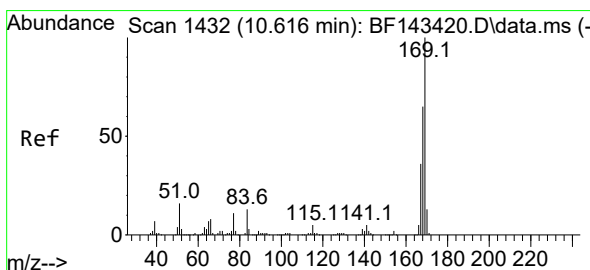
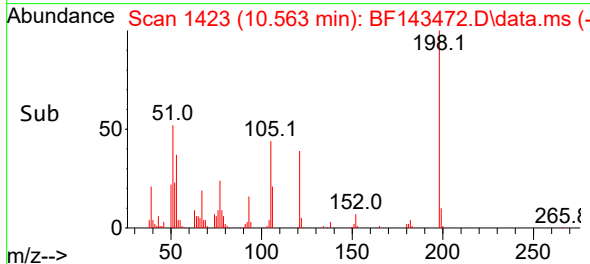
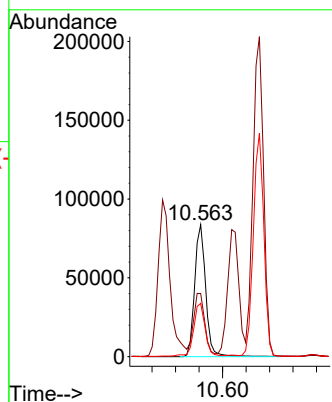
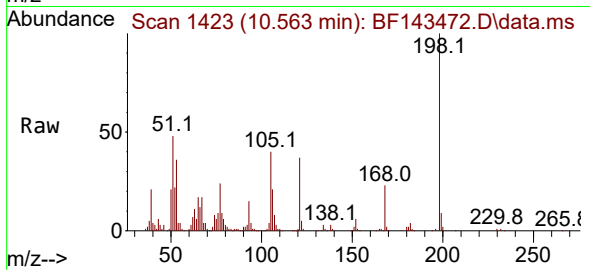
#65
4,6-Dinitro-2-methylphenol
Concen: 44.600 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD

Tgt Ion:198 Resp: 109275
Ion Ratio Lower Upper
198 100
51 47.9 31.2 71.2
105 40.4 21.7 61.7

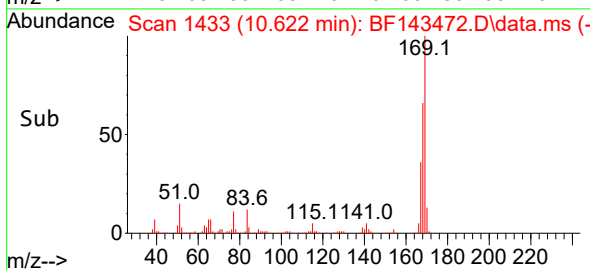
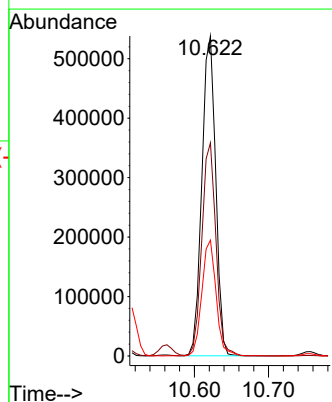
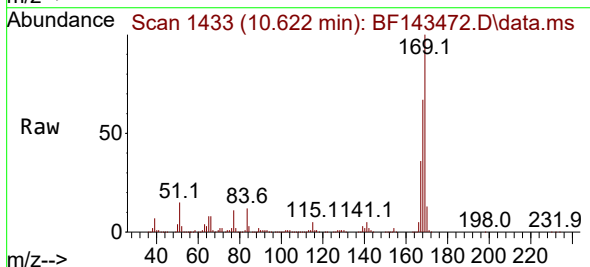
Manual Integrations
APPROVED

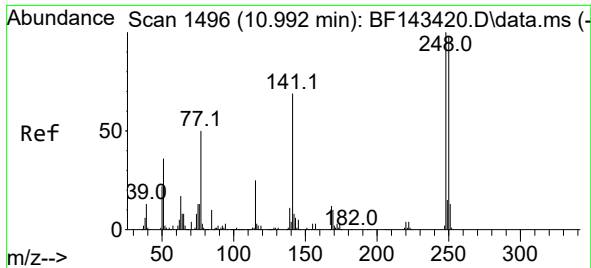
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#66
n-Nitrosodiphenylamine
Concen: 45.065 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

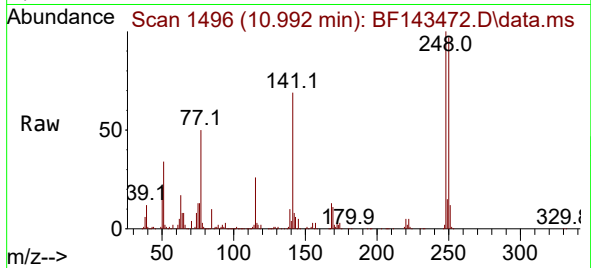
Tgt Ion:169 Resp: 695816
Ion Ratio Lower Upper
169 100
168 66.6 52.5 78.7
167 36.2 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 45.906 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

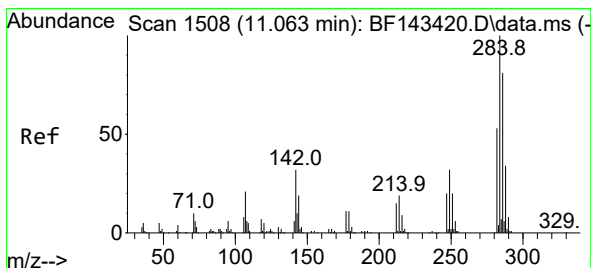
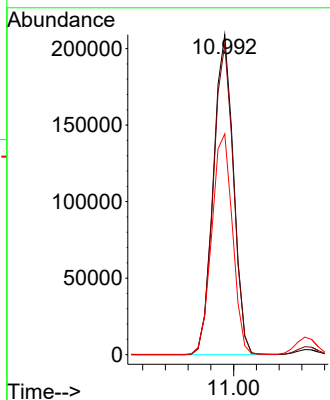
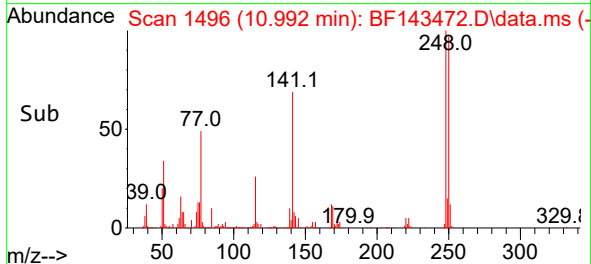
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:248 Resp: 257414
Ion Ratio Lower Upper
248 100
250 97.1 78.6 118.0
141 69.0 54.9 82.3

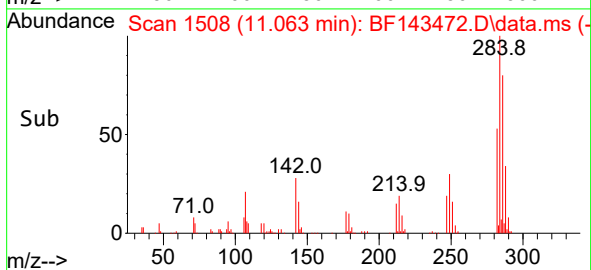
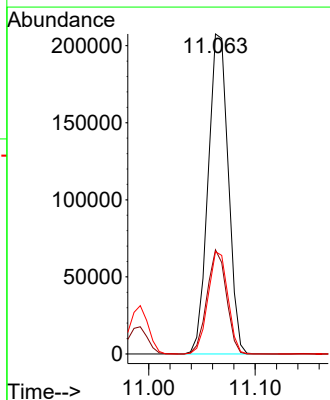
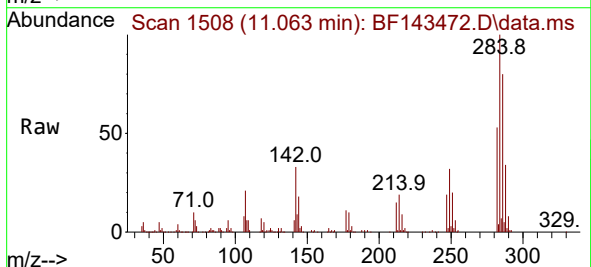
Manual Integrations
APPROVED

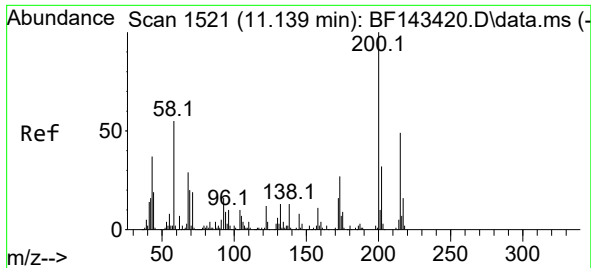
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#68
Hexachlorobenzene
Concen: 45.697 ng
RT: 11.063 min Scan# 1508
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

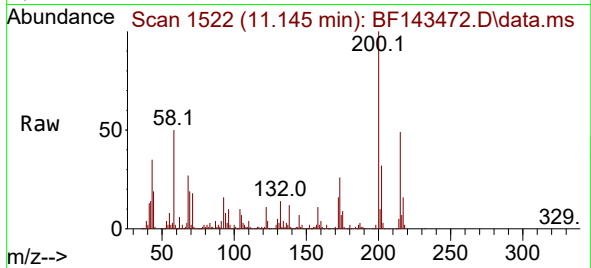
Tgt Ion:284 Resp: 272414
Ion Ratio Lower Upper
284 100
142 32.5 25.4 38.2
249 32.0 25.4 38.0





#69
 Atrazine
 Concen: 48.439 ng
 RT: 11.145 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143472.D
 Acq: 19 Aug 2025 23:46

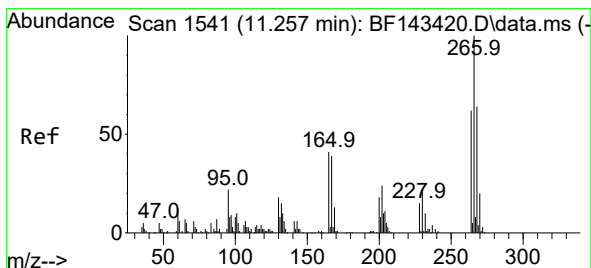
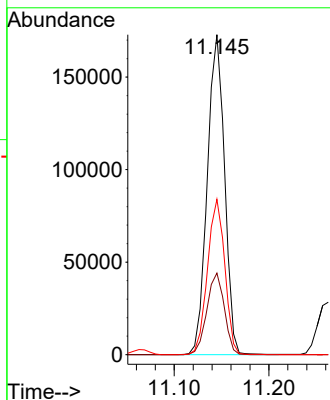
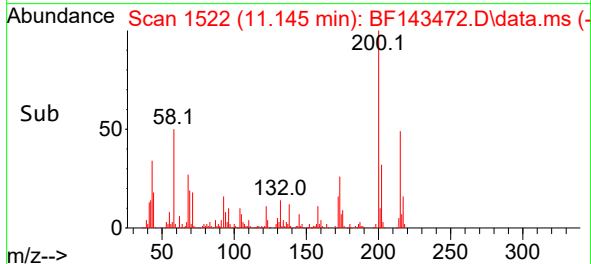
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210MSD



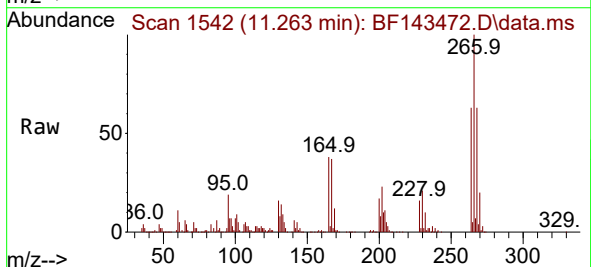
Tgt Ion:200 Resp: 21875
 Ion Ratio Lower Upper
 200 100
 173 25.5 6.6 46.6
 215 48.6 29.5 69.5

Manual Integrations
 APPROVED

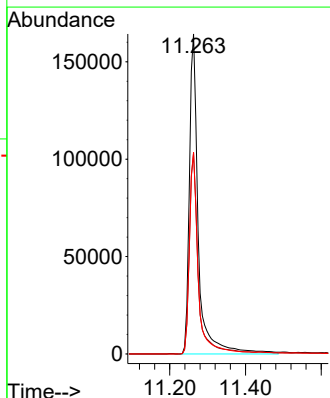
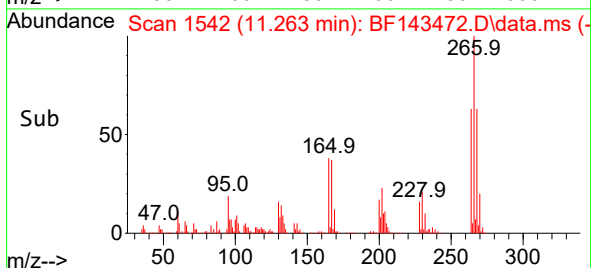
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

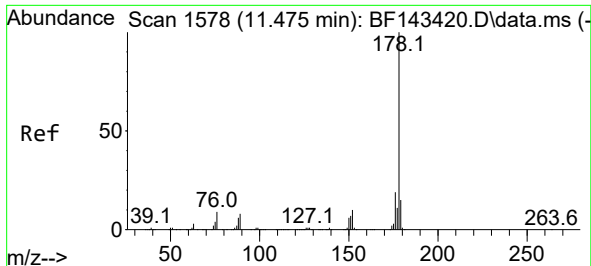


#70
 Pentachlorophenol
 Concen: 103.770 ng
 RT: 11.263 min Scan# 1542
 Delta R.T. 0.006 min
 Lab File: BF143472.D
 Acq: 19 Aug 2025 23:46



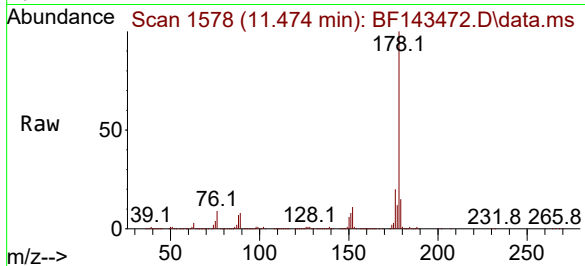
Tgt Ion:266 Resp: 272042
 Ion Ratio Lower Upper
 266 100
 268 62.8 51.0 76.6
 264 63.0 49.3 73.9





#71
Phenanthrene
Concen: 43.686 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

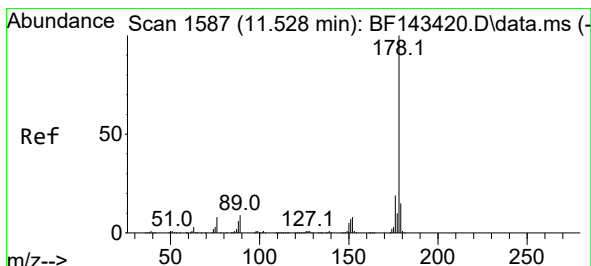
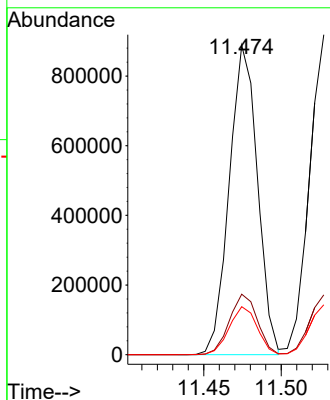
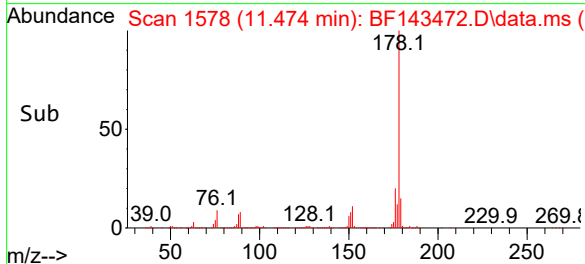
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:178 Resp: 112336
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.3 18.5

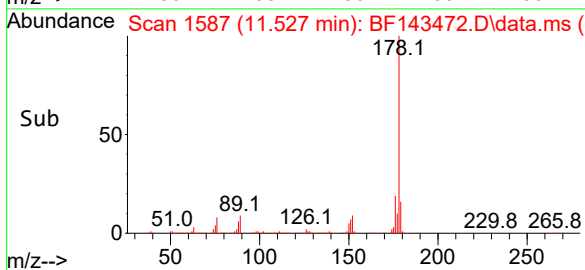
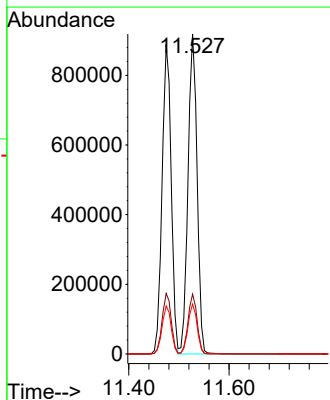
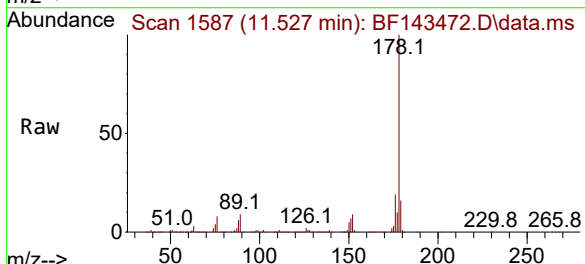
Manual Integrations
APPROVED

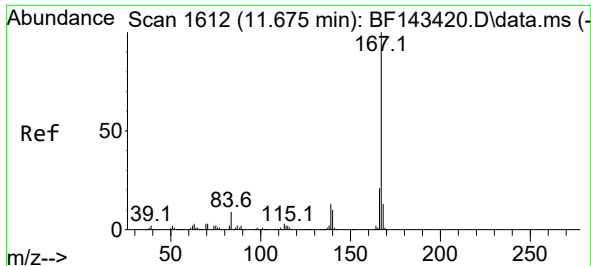
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#72
Anthracene
Concen: 44.548 ng
RT: 11.527 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

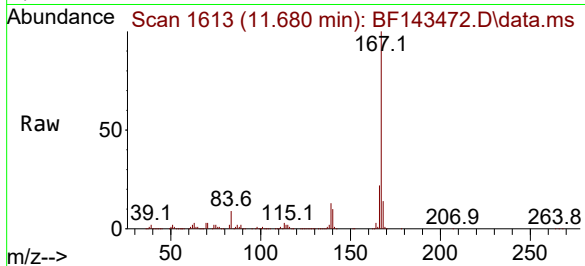
Tgt Ion:178 Resp: 1157008
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.6 12.2 18.4





#73
Carbazole
Concen: 43.365 ng
RT: 11.680 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

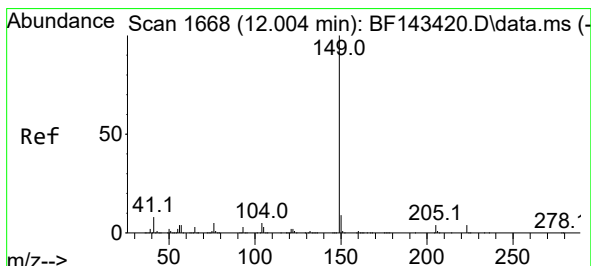
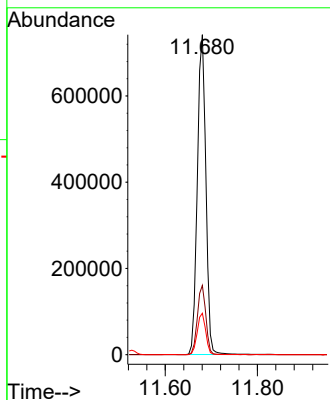
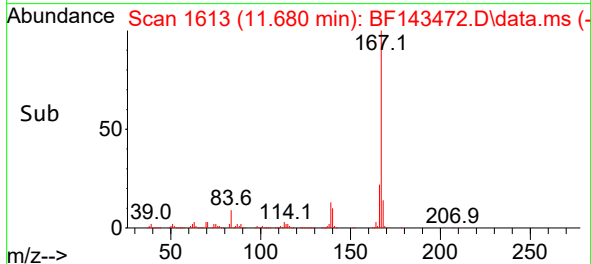
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



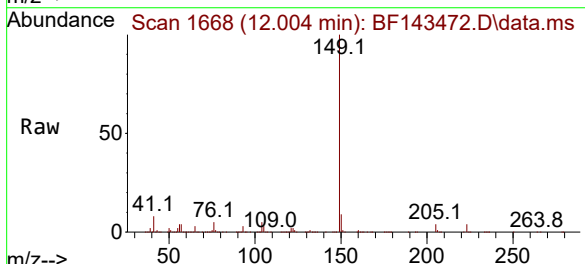
Tgt Ion:167 Resp: 952560
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 13.0 10.1 15.1

Manual Integrations
APPROVED

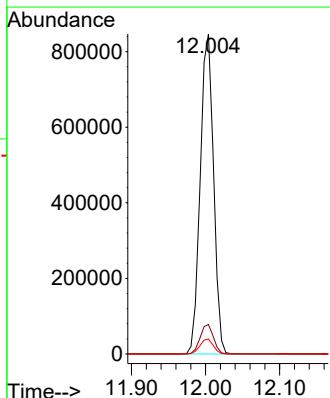
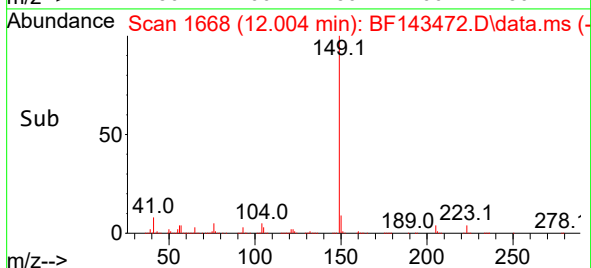
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

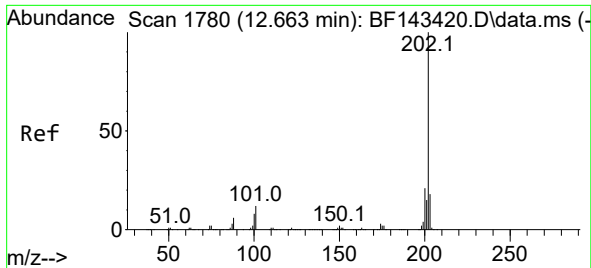


#74
Di-n-butylphthalate
Concen: 48.283 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



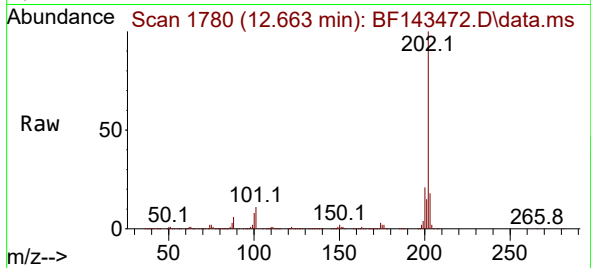
Tgt Ion:149 Resp: 1056152
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.6 3.8 5.6





#75
Fluoranthene
Concen: 43.342 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

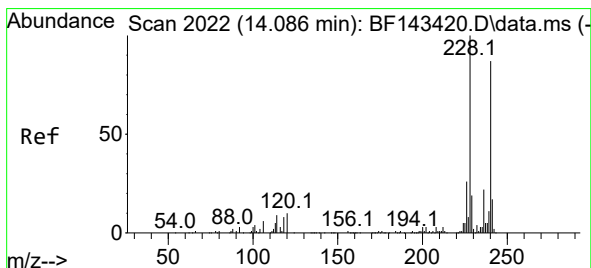
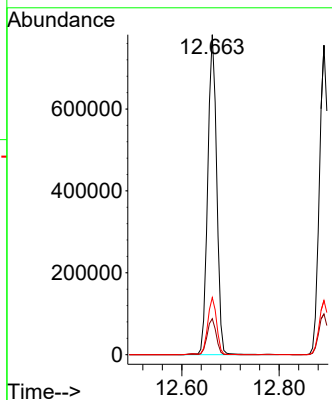
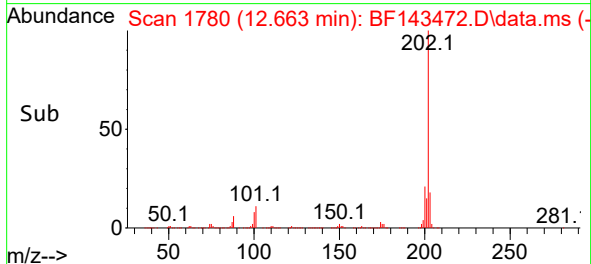
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



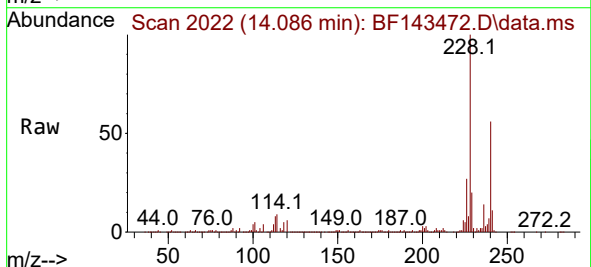
Tgt Ion:202 Resp: 990307
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.5
203 17.9 0.0 37.5

Manual Integrations
APPROVED

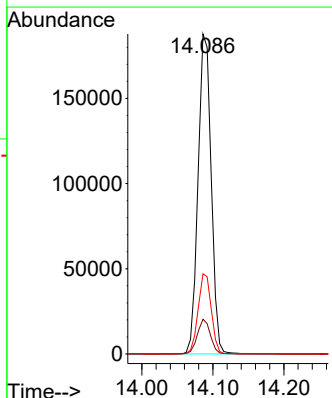
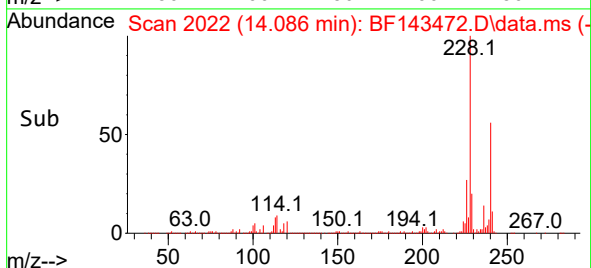
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

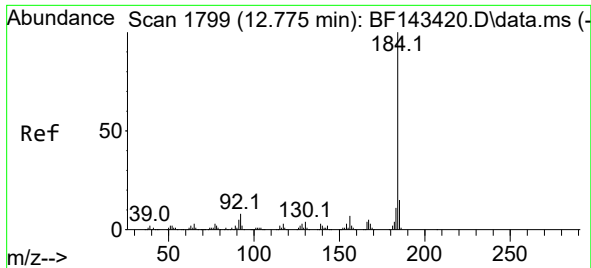


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



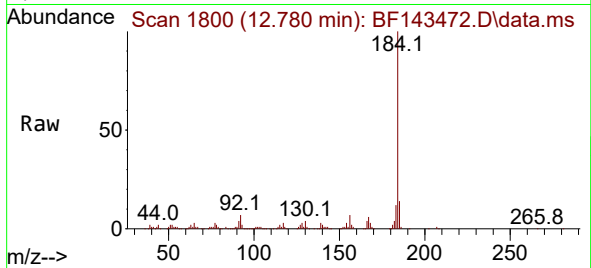
Tgt Ion:240 Resp: 242123
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.4
236 25.0 20.2 30.2





#77
Benzidine
Concen: 29.882 ng
RT: 12.780 min Scan# 1800
Delta R.T. 0.005 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

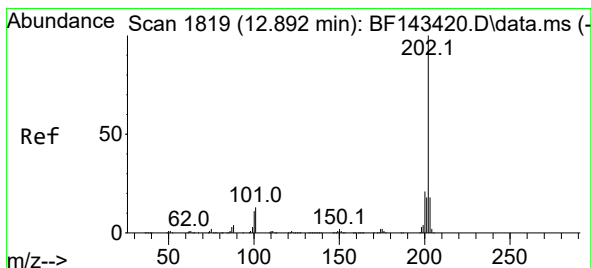
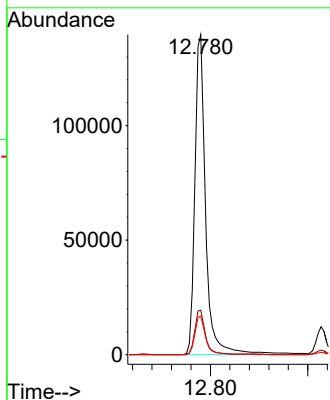
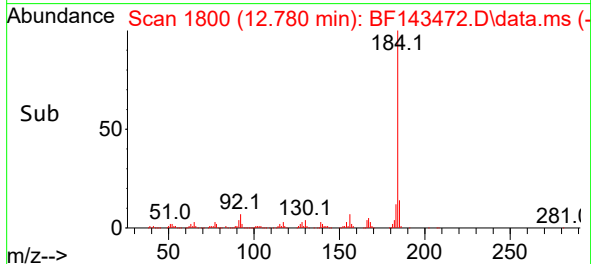
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:184 Resp: 216054
Ion Ratio Lower Upper
184 100
185 13.9 12.2 18.2
183 12.1 9.2 13.8

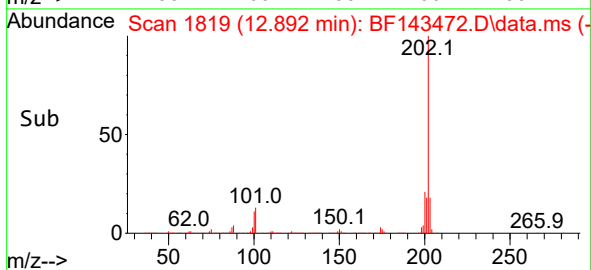
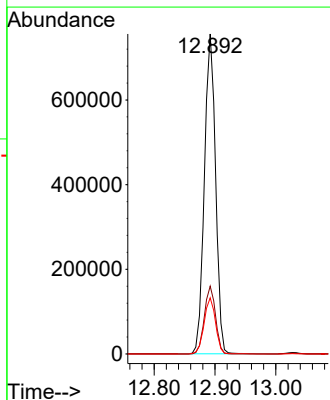
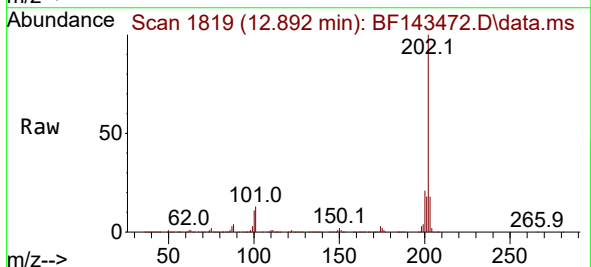
Manual Integrations
APPROVED

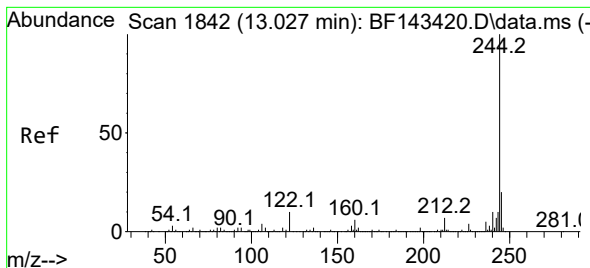
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#78
Pyrene
Concen: 45.857 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:202 Resp: 965039
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 88.717 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143472.D

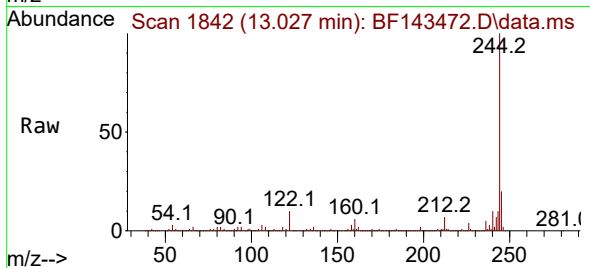
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD



Tgt Ion:244 Resp: 1278700

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

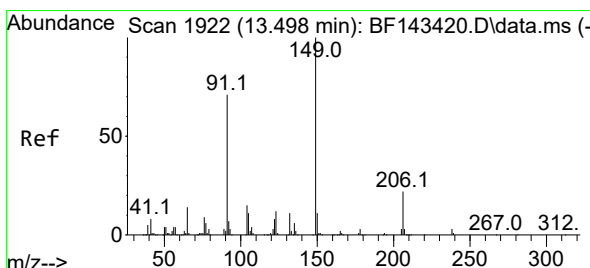
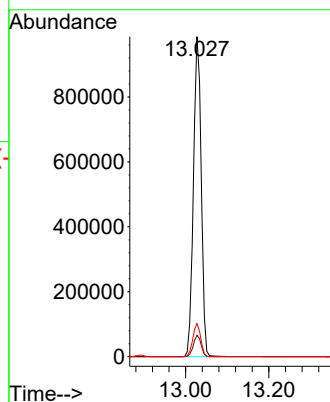
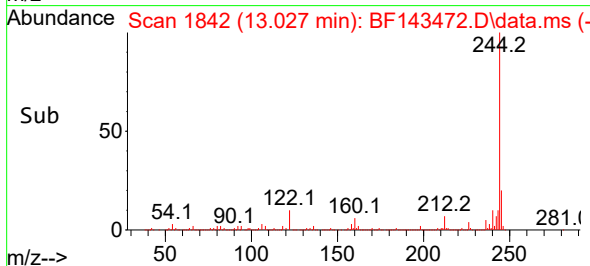
122 10.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#80

Butylbenzylphthalate

Concen: 55.872 ng

RT: 13.498 min Scan# 1922

Delta R.T. -0.000 min

Lab File: BF143472.D

Acq: 19 Aug 2025 23:46

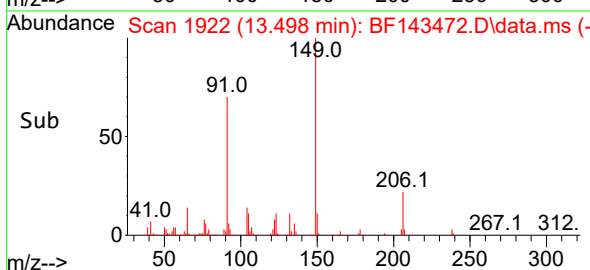
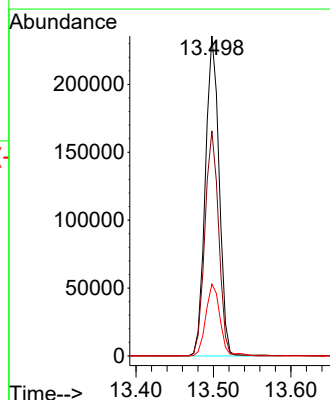
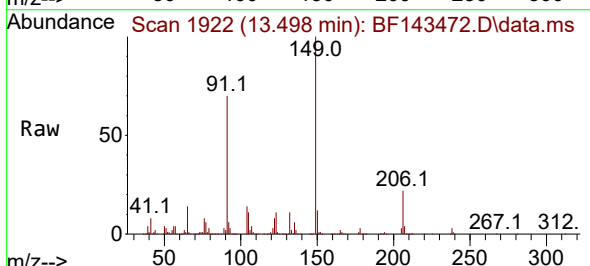
Tgt Ion:149 Resp: 291234

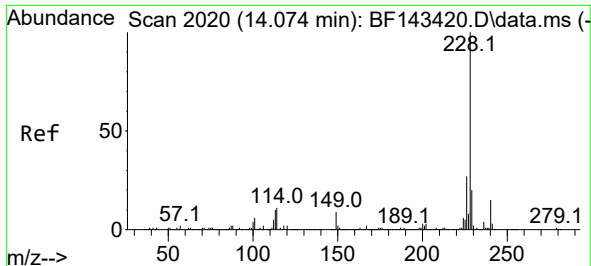
Ion Ratio Lower Upper

149 100

91 70.3 57.0 85.4

206 22.5 17.6 26.4





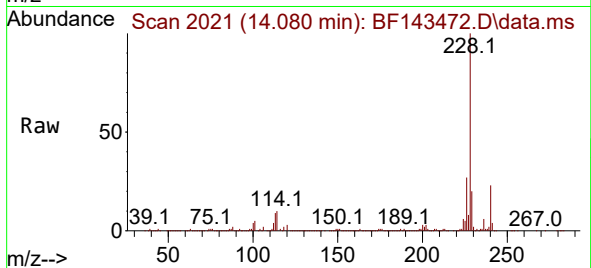
#81
Benzo(a)anthracene
Concen: 47.272 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

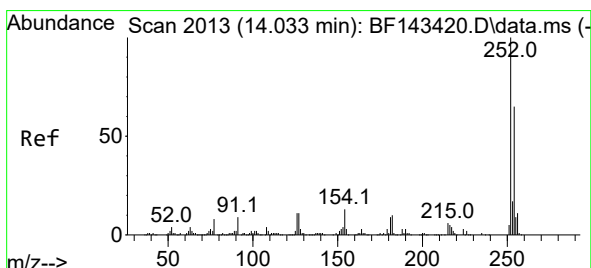
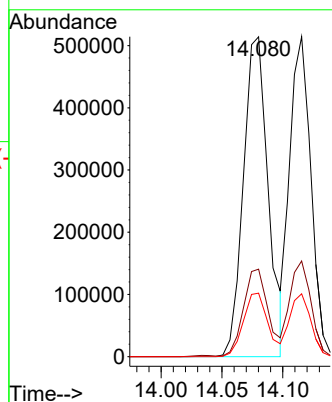
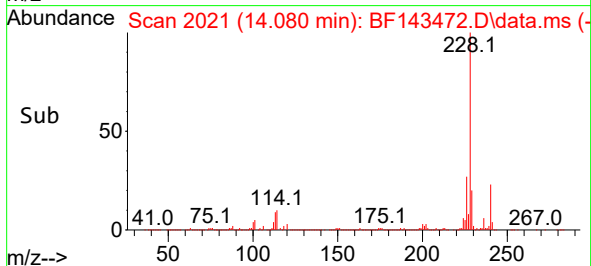


Tgt Ion:228 Resp: 72869
Ion Ratio Lower Upper
228 100
226 27.4 21.5 32.3
229 19.9 15.7 23.5

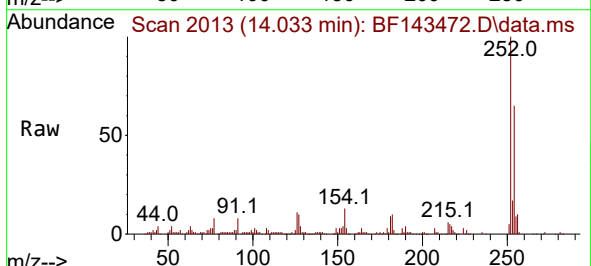
Manual Integrations

APPROVED

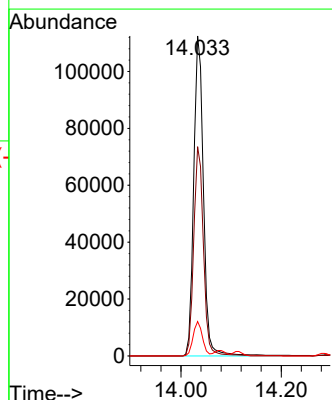
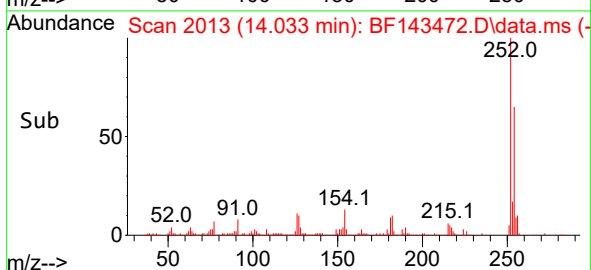
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

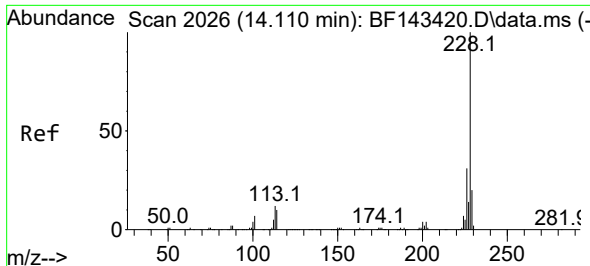


#82
3,3'-Dichlorobenzidine
Concen: 33.633 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



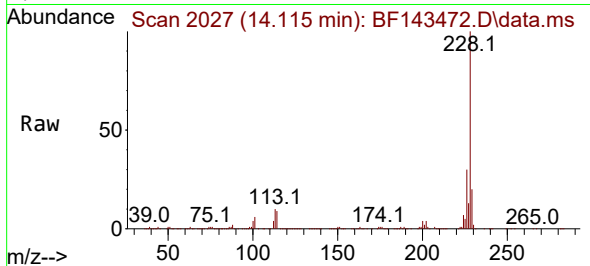
Tgt Ion:252 Resp: 151795
Ion Ratio Lower Upper
252 100
254 65.4 51.6 77.4
126 10.8 8.8 13.2





#83
Chrysene
Concen: 43.964 ng
RT: 14.115 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

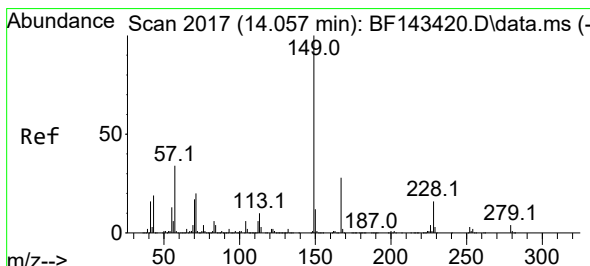
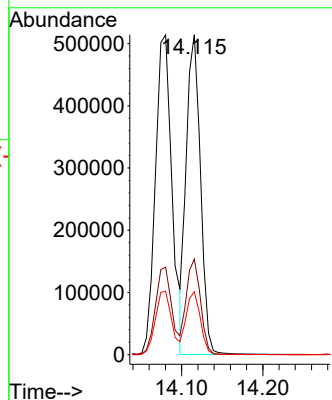
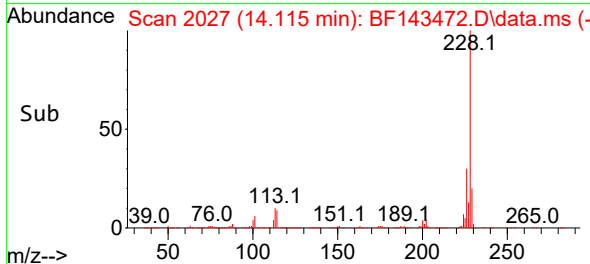
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:228 Resp: 626517
Ion Ratio Lower Upper
228 100
226 29.9 24.3 36.5
229 19.6 16.1 24.1

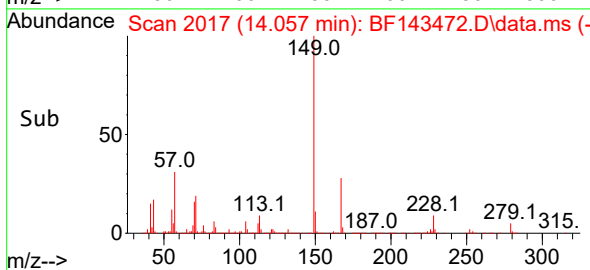
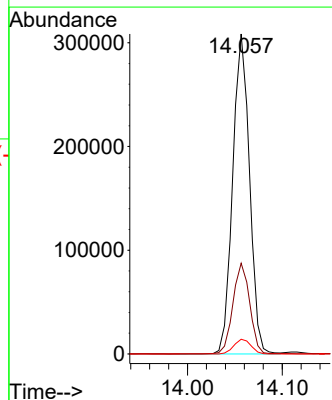
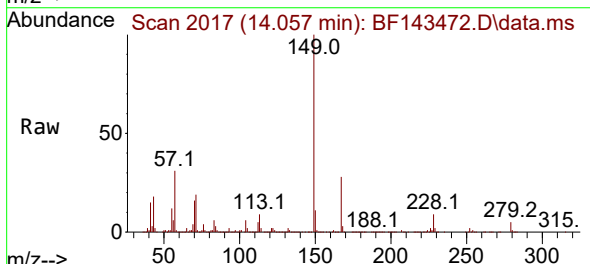
Manual Integrations
APPROVED

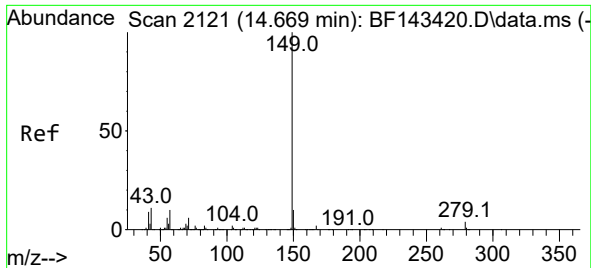
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.396 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

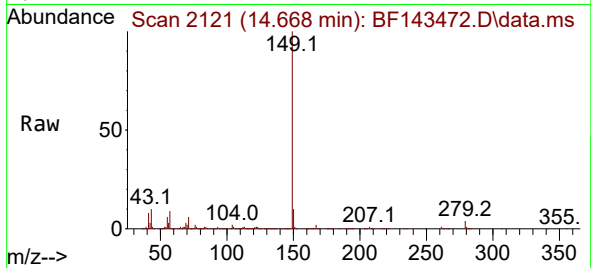
Tgt Ion:149 Resp: 380466
Ion Ratio Lower Upper
149 100
167 28.3 22.6 33.8
279 4.6 3.5 5.3





#85
Di-n-octyl phthalate
Concen: 49.876 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

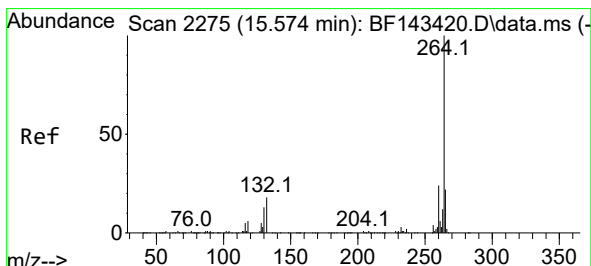
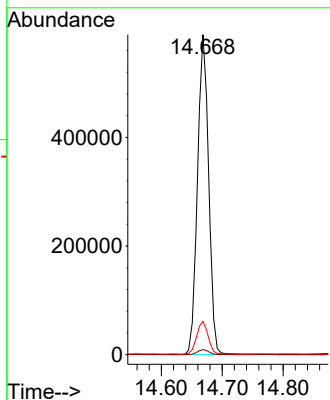
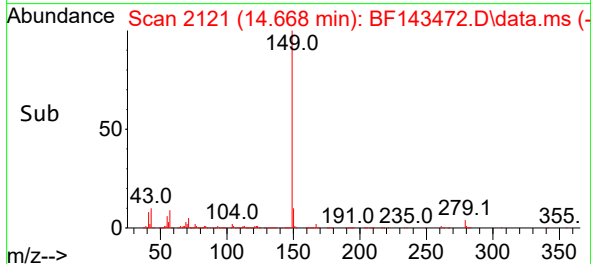
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



Tgt Ion:149 Resp: 748849
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.3 9.0 13.6

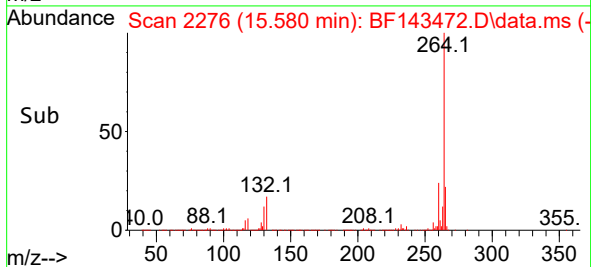
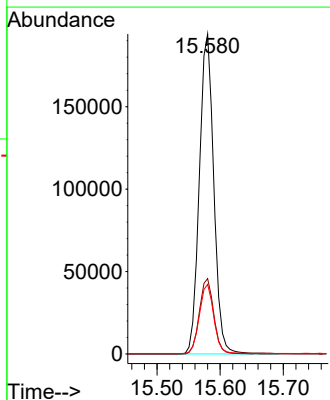
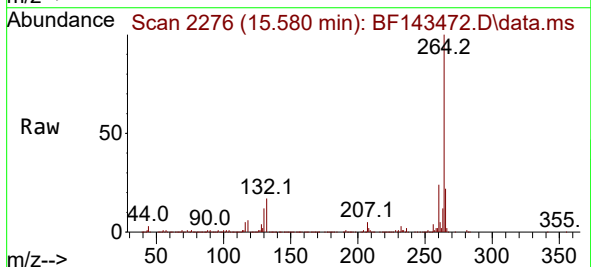
Manual Integrations
APPROVED

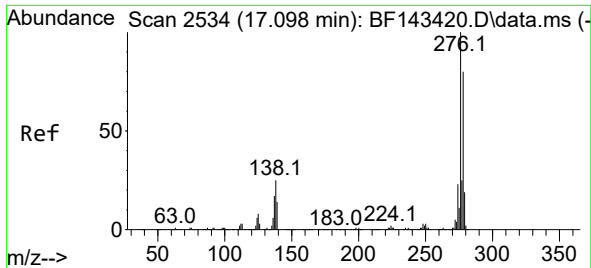
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Tgt Ion:264 Resp: 308087
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.8 17.4 26.0





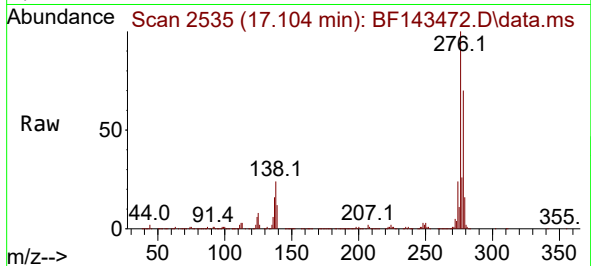
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.610 ng
RT: 17.104 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

Instrument :

BNA_F

ClientSampleId :

VNJ-210MSD

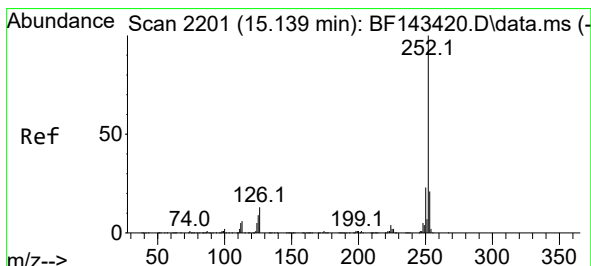
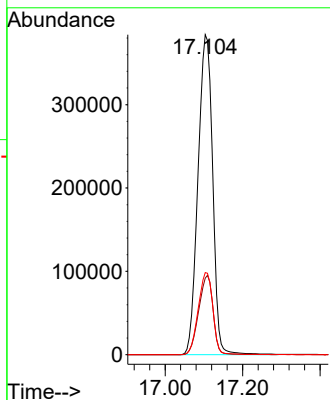
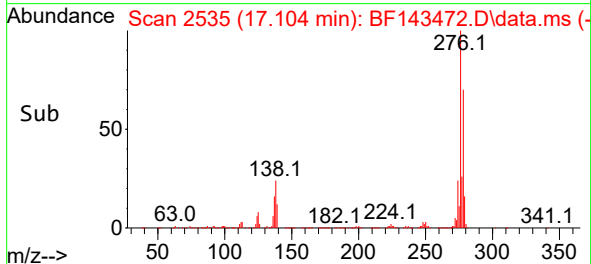


Tgt Ion:276 Resp: 100755
Ion Ratio Lower Upper
276 100
138 24.2 20.2 30.4
277 25.6 20.2 30.2

Manual Integrations

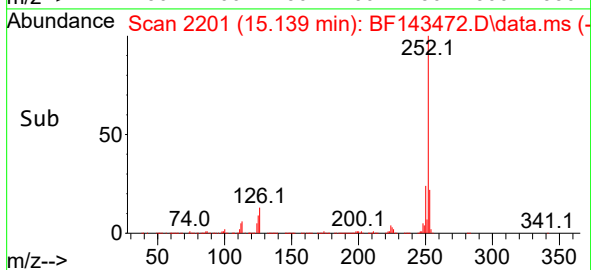
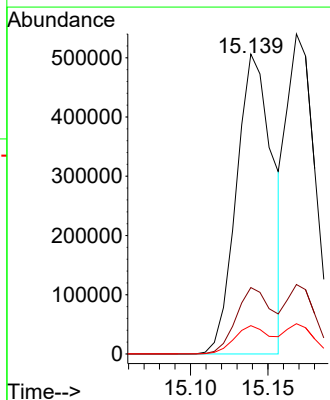
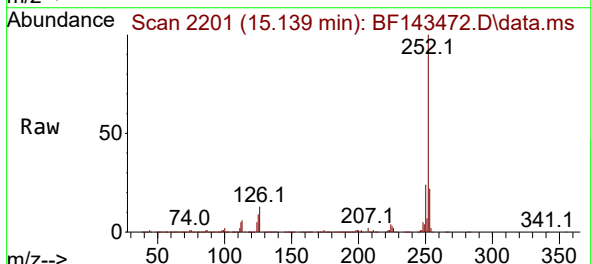
APPROVED

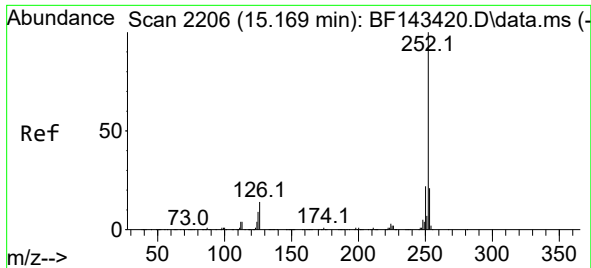
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#88
Benzo(b)fluoranthene
Concen: 49.839 ng
RT: 15.139 min Scan# 2201
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

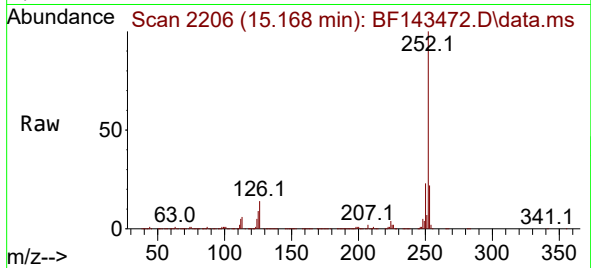
Tgt Ion:252 Resp: 822961
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 9.4 7.5 11.3





#89
Benzo(k)fluoranthene
Concen: 42.566 ng
RT: 15.168 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

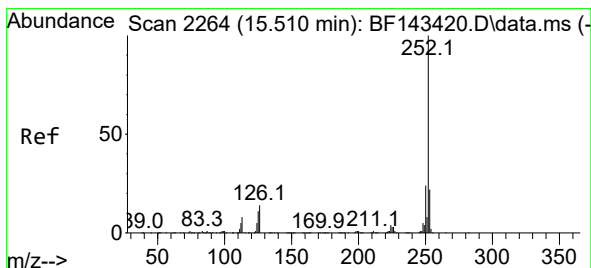
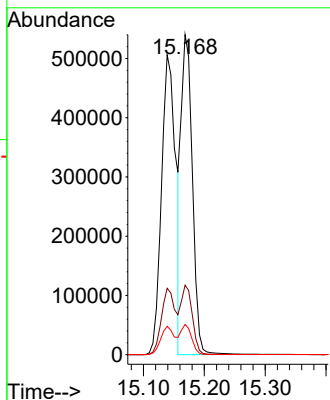
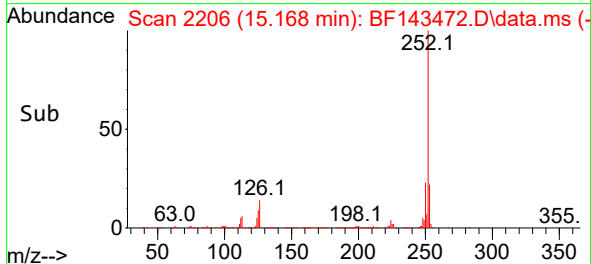
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



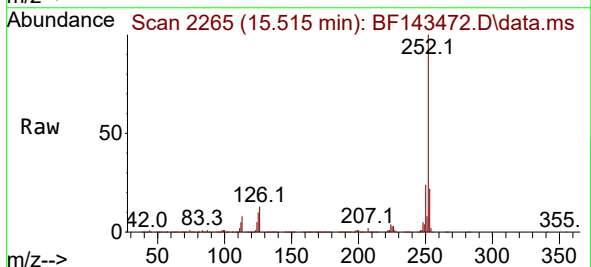
Tgt Ion:252 Resp: 69324
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 9.5 7.4 11.2

Manual Integrations
APPROVED

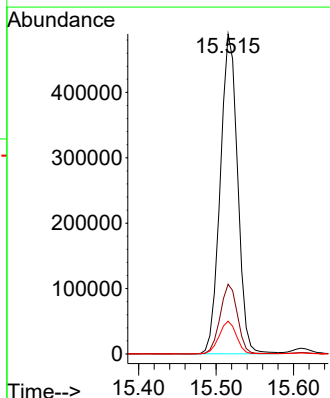
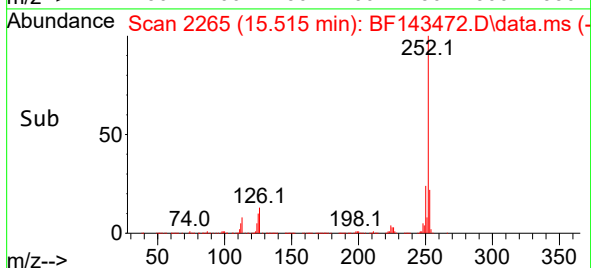
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

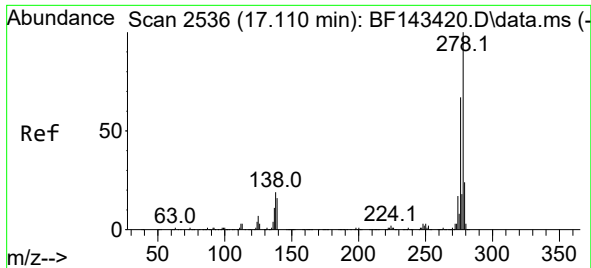


#90
Benzo(a)pyrene
Concen: 48.471 ng
RT: 15.515 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



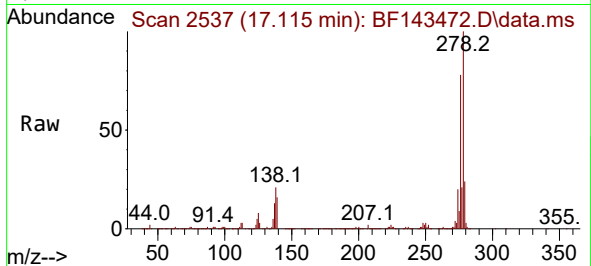
Tgt Ion:252 Resp: 762314
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 10.2 8.6 12.8





#91
Dibenzo(a,h)anthracene
Concen: 44.098 ng
RT: 17.115 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46

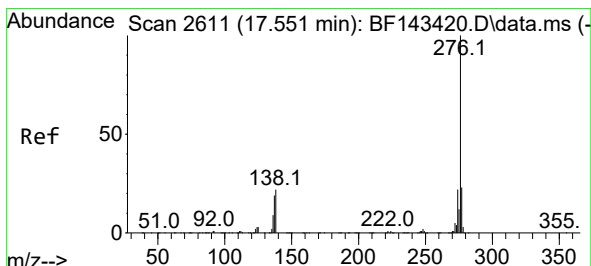
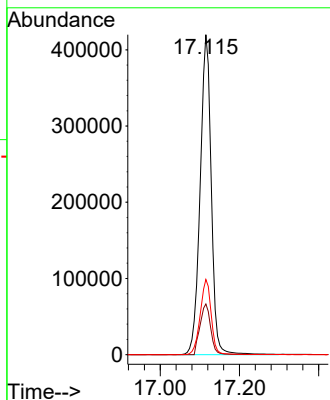
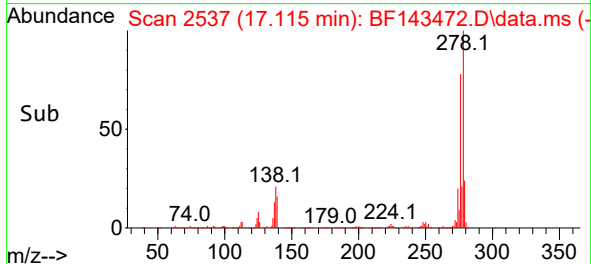
Instrument :
BNA_F
ClientSampleId :
VNJ-210MSD



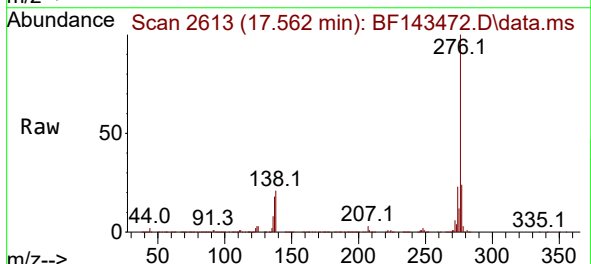
Tgt Ion:278 Resp: 81815
Ion Ratio Lower Upper
278 100
139 15.9 12.9 19.3
279 23.5 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 44.944 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143472.D
Acq: 19 Aug 2025 23:46



Tgt Ion:276 Resp: 833001
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 21.0 17.5 26.3

