

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141678.D
 Acq On : 19 Feb 2025 16:44
 Operator : RC/JU
 Sample : Q1382-05MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725MSD

Quant Time: Feb 19 17:19:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	91730	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	359905	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	194577	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	322542	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	188657	20.000	ng	-0.02
86) Perylene-d12	15.380	264	174682	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	528186	90.271	ng	0.00
7) Phenol-d6	6.428	99	652016	88.166	ng	-0.01
23) Nitrobenzene-d5	7.345	82	419544	60.801	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	182588	93.414	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	806036	63.821	ng	-0.01
79) Terphenyl-d14	12.880	244	837895	74.978	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.563	88	97387	41.355	ng	96
3) Pyridine	3.287	79	222375	39.683	ng	95
4) n-Nitrosodimethylamine	3.240	42	136849	36.881	ng	91
6) Aniline	6.445	93	218330	31.473	ng	# 85
8) 2-Chlorophenol	6.569	128	258417	40.874	ng	100
9) Benzaldehyde	6.334	77	113370	28.848	ng	99
10) Phenol	6.440	94	317944	41.307	ng	93
11) bis(2-Chloroethyl)ether	6.516	93	241730	41.812	ng	100
12) 1,3-Dichlorobenzene	6.722	146	278223	41.684	ng	98
13) 1,4-Dichlorobenzene	6.798	146	280569	41.142	ng	99
14) 1,2-Dichlorobenzene	6.951	146	266225	42.062	ng	100
15) Benzyl Alcohol	6.928	79	215593	38.016	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	383863	38.788	ng	79
17) 2-Methylphenol	7.045	107	199283	40.279	ng	97
18) Hexachloroethane	7.292	117	105722	41.890	ng	97
19) n-Nitroso-di-n-propyla...	7.198	70	176853	39.980	ng	95
20) 3+4-Methylphenols	7.198	107	259519	41.274	ng	97
22) Acetophenone	7.192	105	393849	43.992	ng	94
24) Nitrobenzene	7.363	77	267486	39.754	ng	100
25) Isophorone	7.604	82	469318	42.657	ng	98
26) 2-Nitrophenol	7.681	139	138539	41.385	ng	94
27) 2,4-Dimethylphenol	7.722	122	202739	51.842	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	288044	40.857	ng	99
29) 2,4-Dichlorophenol	7.928	162	215210	40.729	ng	99
30) 1,2,4-Trichlorobenzene	8.004	180	235047	40.849	ng	99
31) Naphthalene	8.087	128	749203	39.991	ng	100
32) Benzoic acid	7.863	122	139850	34.428	ng	98
33) 4-Chloroaniline	8.145	127	67419	10.307	ng	98
34) Hexachlorobutadiene	8.198	225	145704	42.180	ng	100
35) Caprolactam	8.510	113	73748m	45.840	ng	
36) 4-Chloro-3-methylphenol	8.634	107	231318	39.521	ng	99
37) 2-Methylnaphthalene	8.775	142	470883	38.625	ng	100
38) 1-Methylnaphthalene	8.875	142	459880	38.948	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	258057	45.841	ng	98
41) Hexachlorocyclopentadiene	8.928	237	229306	122.468	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	145125	39.888	ng	98

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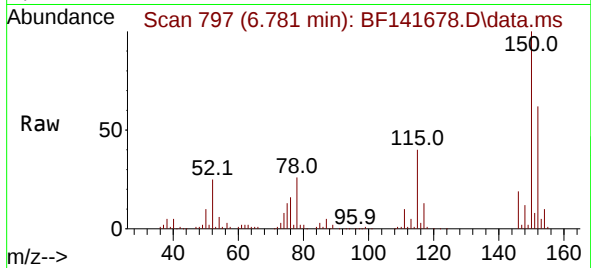
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	159229	40.382	ng	97
46) 1,1'-Biphenyl	9.239	154	681906	45.204	ng	100
47) 2-Chloronaphthalene	9.263	162	465491	41.729	ng	99
48) 2-Nitroaniline	9.363	65	148411	39.643	ng	98
49) Acenaphthylene	9.681	152	704986	42.490	ng	99
50) Dimethylphthalate	9.539	163	549570	41.605	ng	100
51) 2,6-Dinitrotoluene	9.604	165	121517	42.082	ng	98
52) Acenaphthene	9.851	154	442973	39.712	ng	99
53) 3-Nitroaniline	9.775	138	70125	22.563	ng	98
54) 2,4-Dinitrophenol	9.892	184	123741	72.101	ng	92
55) Dibenzofuran	10.022	168	634986	38.783	ng	100
56) 4-Nitrophenol	9.957	139	170313	73.819	ng	93
57) 2,4-Dinitrotoluene	10.010	165	159180	41.408	ng	99
58) Fluorene	10.363	166	512625	40.493	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	133375	39.288	ng	96
60) Diethylphthalate	10.239	149	524930	40.390	ng	100
61) 4-Chlorophenyl-phenyle...	10.357	204	249331	40.939	ng	98
62) 4-Nitroaniline	10.392	138	118442	37.531	ng	97
63) Azobenzene	10.516	77	553922	42.873	ng	95
65) 4,6-Dinitro-2-methylph...	10.422	198	84746	37.824	ng	95
66) n-Nitrosodiphenylamine	10.475	169	445546	43.153	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	154830	42.951	ng	99
68) Hexachlorobenzene	10.910	284	164582	44.338	ng	99
69) Atrazine	11.004	200	165586	53.458	ng	99
70) Pentachlorophenol	11.116	266	160190	67.490	ng	98
71) Phenanthrene	11.328	178	747418	42.097	ng	100
72) Anthracene	11.380	178	775512	43.452	ng	100
73) Carbazole	11.533	167	656054	40.853	ng	100
74) Di-n-butylphthalate	11.863	149	791583	42.689	ng	100
75) Fluoranthene	12.516	202	732913	38.937	ng	99
77) Benzidine	12.639	184	241899	58.139	ng	99
78) Pyrene	12.739	202	733128	45.650	ng	100
80) Butylbenzylphthalate	13.357	149	274032	49.263	ng	99
81) Benzo(a)anthracene	13.927	228	512669	40.880	ng	99
82) 3,3'-Dichlorobenzidine	13.892	252	104317	29.039	ng	99
83) Chrysene	13.963	228	481550	41.587	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	345406	55.055	ng	99
85) Di-n-octyl phthalate	14.527	149	480614	53.699	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	545079	50.501	ng	99
88) Benzo(b)fluoranthene	14.963	252	409636	34.925	ng	99
89) Benzo(k)fluoranthene	14.992	252	428348	42.768	ng	98
90) Benzo(a)pyrene	15.321	252	410838	43.288	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	441082	50.434	ng	99
92) Benzo(g,h,i)perylene	17.245	276	431612	47.160	ng	100

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141678.D
 Acq: 19 Feb 2025 16:44

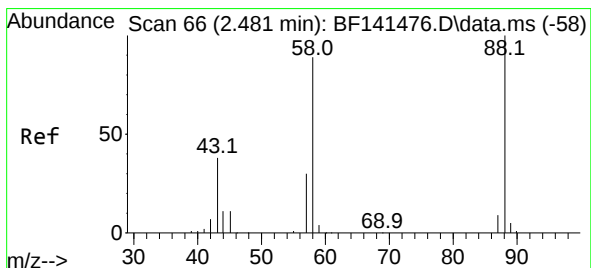
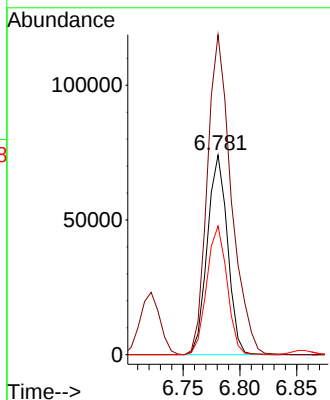
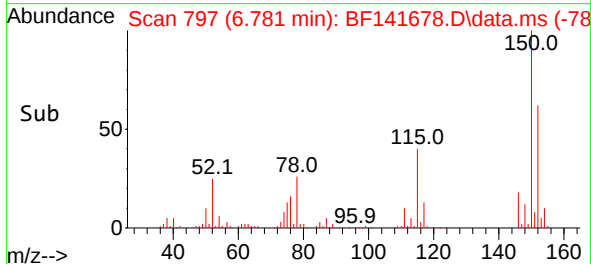
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725MSD



Tgt Ion:152 Resp: 91730
 Ion Ratio Lower Upper
 152 100
 150 160.4 125.0 187.4
 115 64.5 53.6 80.4

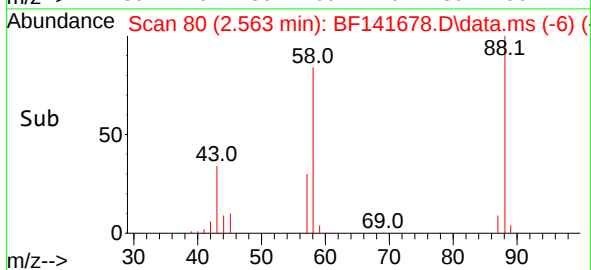
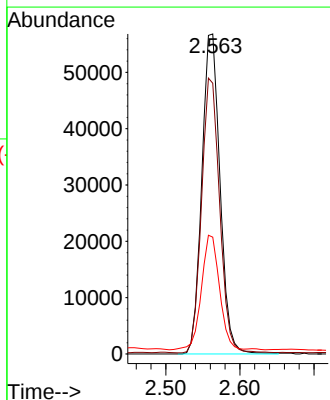
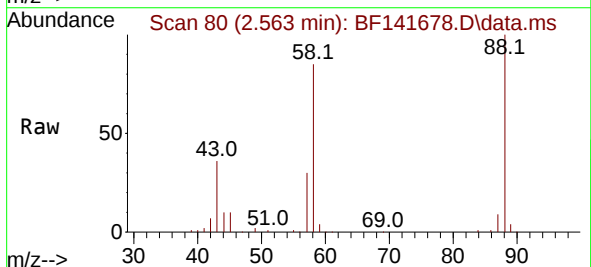
Manual Integrations
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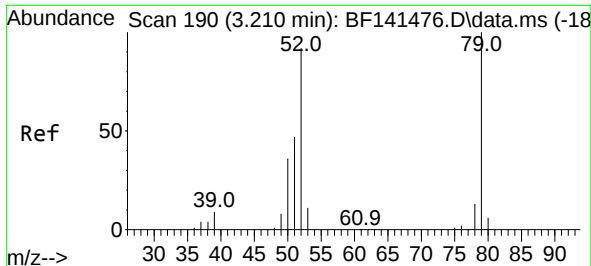
Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#2
 1,4-Dioxane
 Concen: 41.355 ng
 RT: 2.563 min Scan# 80
 Delta R.T. 0.083 min
 Lab File: BF141678.D
 Acq: 19 Feb 2025 16:44

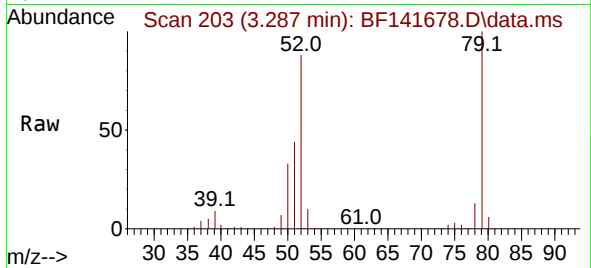
Tgt Ion: 88 Resp: 97387
 Ion Ratio Lower Upper
 88 100
 58 85.1 71.1 106.7
 43 35.5 30.6 46.0





#3
Pyridine
Concen: 39.683 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.071 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

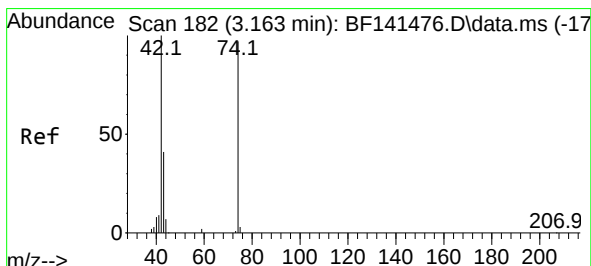
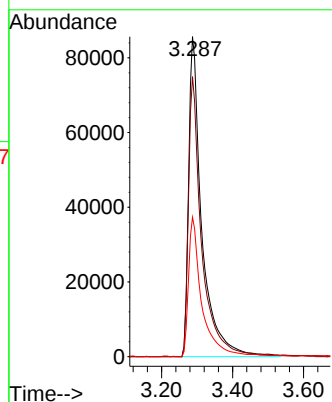
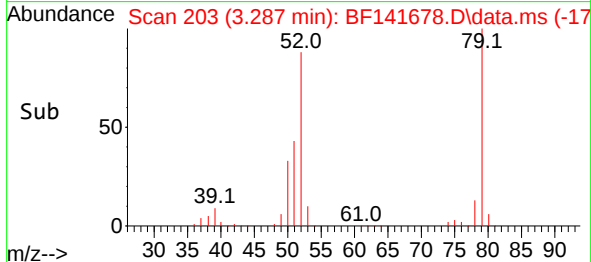
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



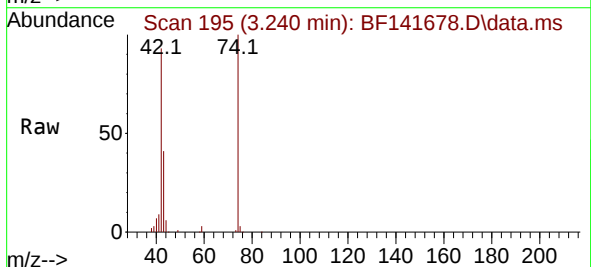
Tgt Ion: 79 Resp: 222375
Ion Ratio Lower Upper
79 100
52 87.5 73.7 110.5
51 43.6 37.5 56.3

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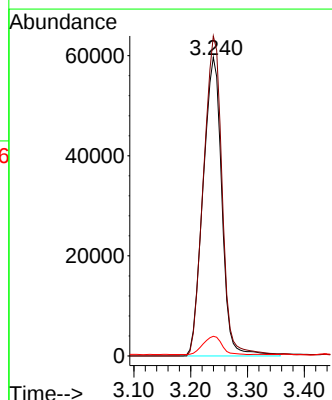
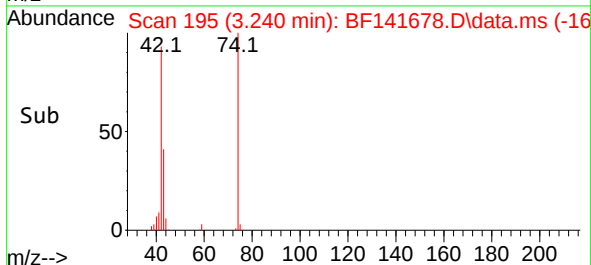
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#4
n-Nitrosodimethylamine
Concen: 36.881 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.053 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



Tgt Ion: 42 Resp: 136849
Ion Ratio Lower Upper
42 100
74 107.1 78.0 117.0
44 6.6 5.4 8.2





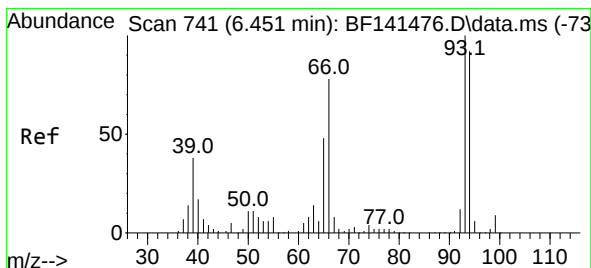
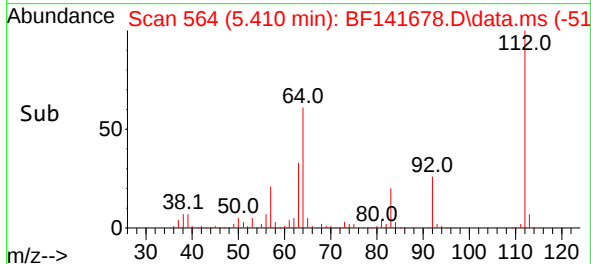
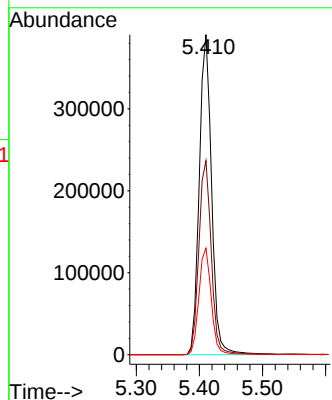
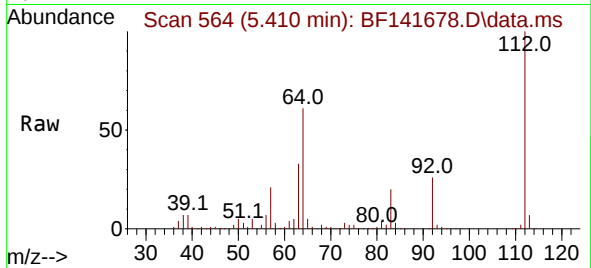
#5
2-Fluorophenol
Concen: 90.271 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD

Tgt Ion:112 Resp: 528180
Ion Ratio Lower Upper
112 100
64 60.6 51.1 76.7
63 33.3 28.4 42.6

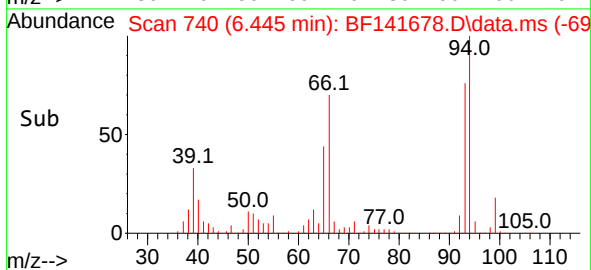
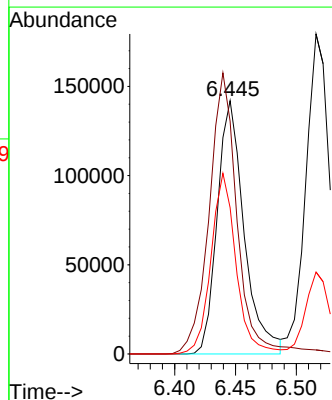
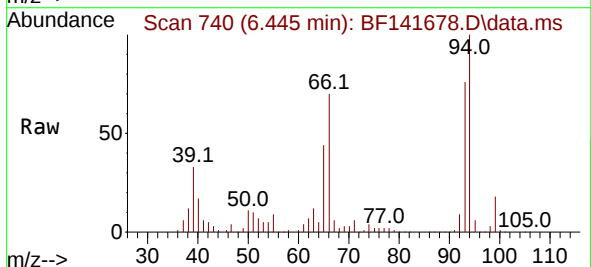
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#6
Aniline
Concen: 31.473 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion: 93 Resp: 218330
Ion Ratio Lower Upper
93 100
66 91.8 62.6 94.0
65 57.7 38.3 57.5#





#7

Phenol-d6

Concen: 88.166 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141678.D

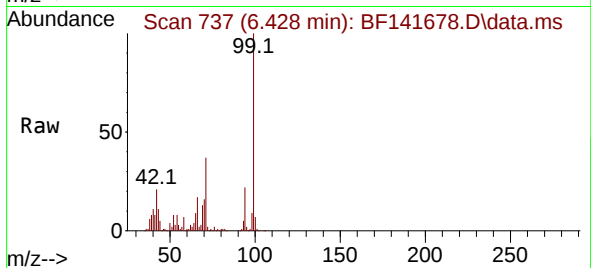
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Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD



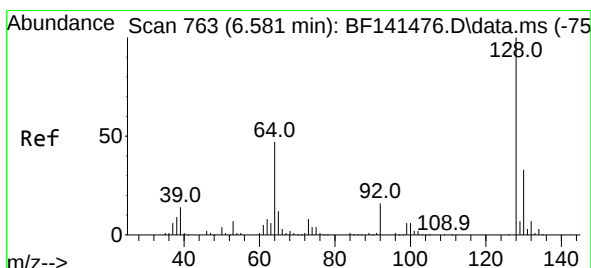
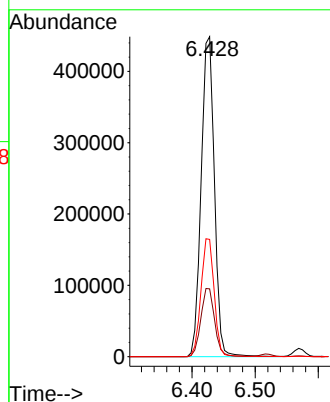
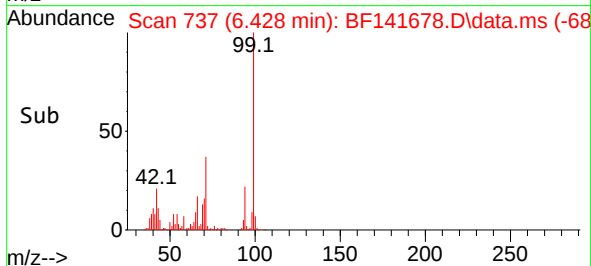
Tgt Ion:	99	Resp:	652010
Ion	Ratio	Lower	Upper
99	100		
42	21.2	19.1	28.7
71	36.6	31.1	46.7

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#8

2-Chlorophenol

Concen: 40.874 ng

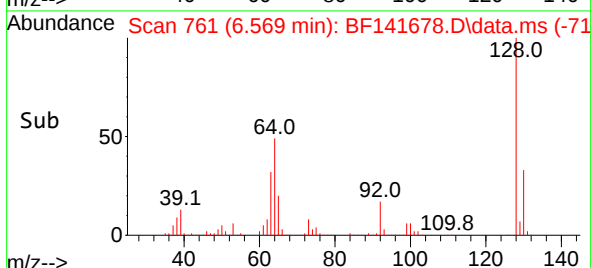
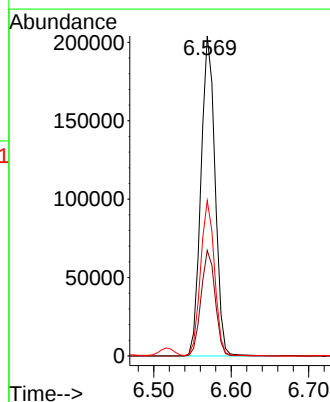
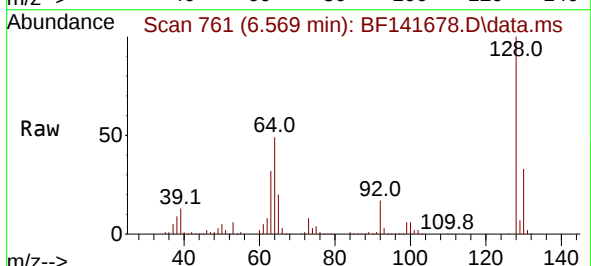
RT: 6.569 min Scan# 761

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

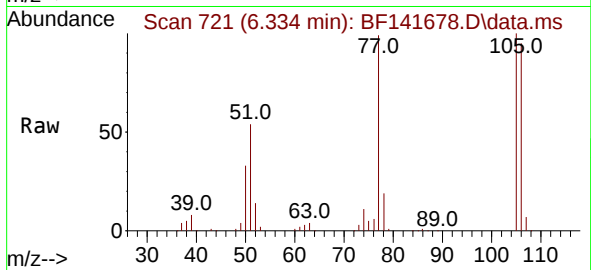
Tgt Ion:	128	Resp:	258417
Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.7	52.7
64	48.6	28.3	68.3





#9
Benzaldehyde
Concen: 28.848 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

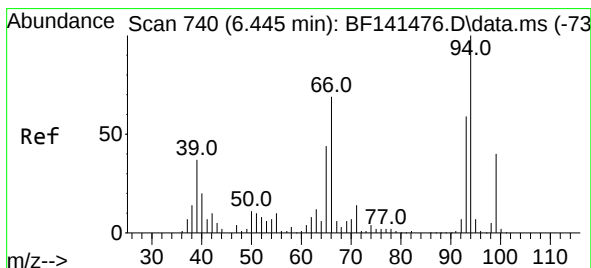
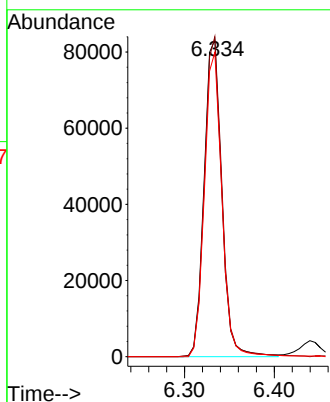
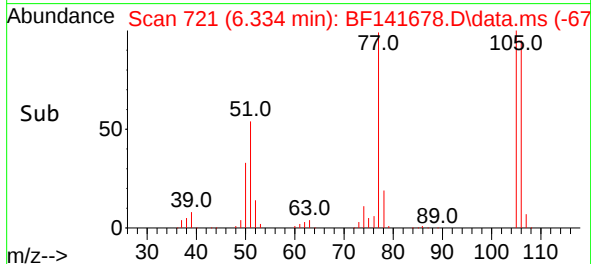
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion: 77 Resp: 113370
Ion Ratio Lower Upper
77 100
105 101.1 79.4 119.4
106 96.1 75.1 115.1

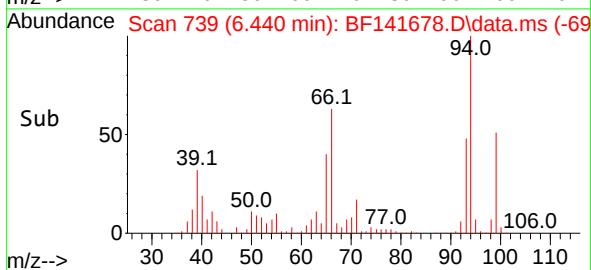
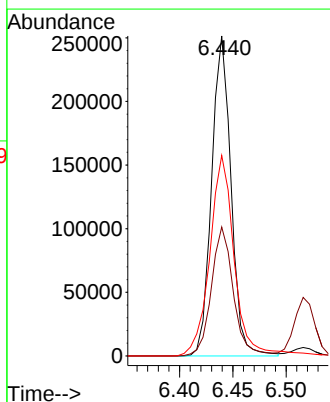
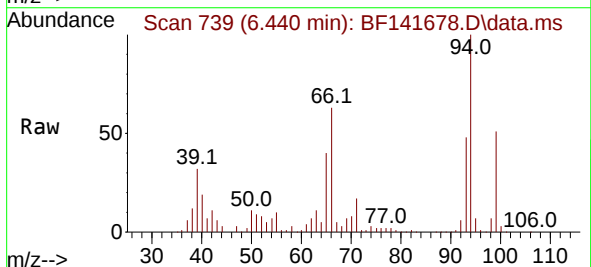
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#10
Phenol
Concen: 41.307 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion: 94 Resp: 317944
Ion Ratio Lower Upper
94 100
65 40.3 23.7 63.7
66 62.7 49.3 89.3





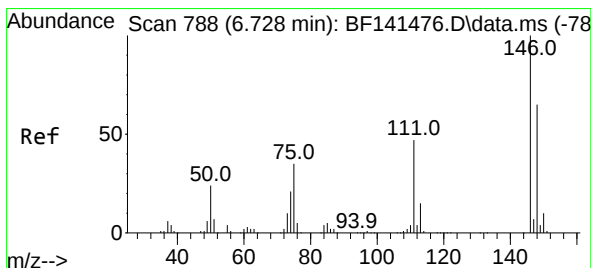
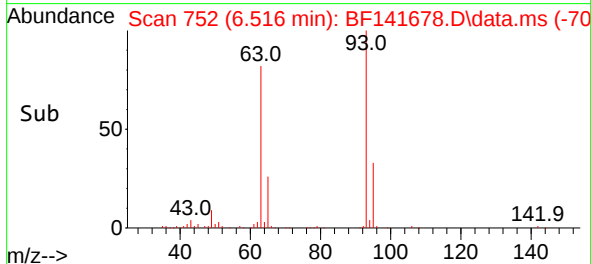
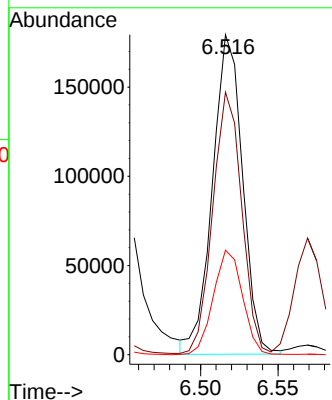
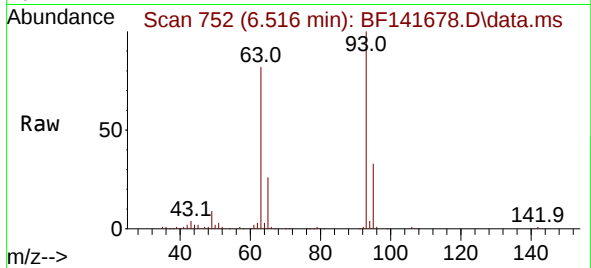
#11
bis(2-Chloroethyl)ether
Concen: 41.812 ng
RT: 6.516 min Scan# 751
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD

Tgt Ion: 93 Resp: 241730
Ion Ratio Lower Upper
93 100
63 82.1 62.0 102.0
95 32.7 12.6 52.6

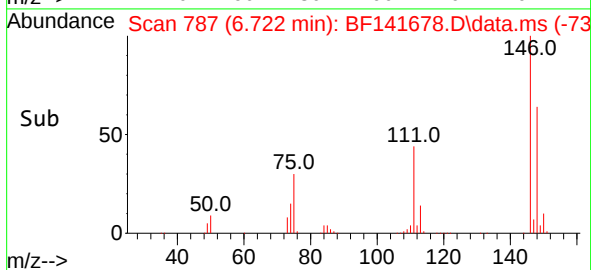
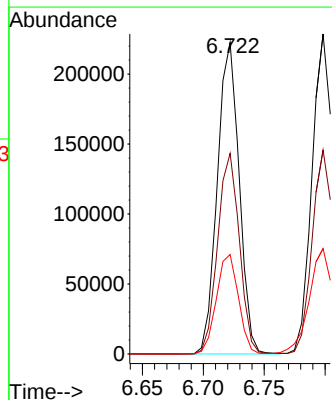
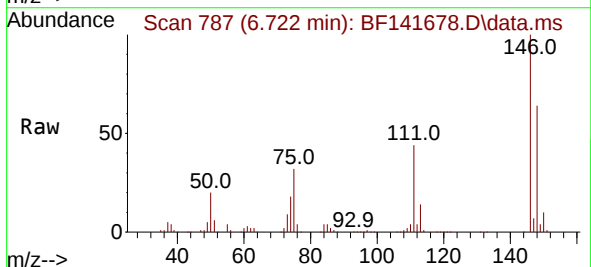
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#12
1,3-Dichlorobenzene
Concen: 41.684 ng
RT: 6.722 min Scan# 787
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion:146 Resp: 278223
Ion Ratio Lower Upper
146 100
148 64.4 51.9 77.9
75 31.9 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 41.142 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.012 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

Tgt Ion:146 Resp: 280569

Ion Ratio Lower Upper

146 100

148 63.7 50.9 76.3

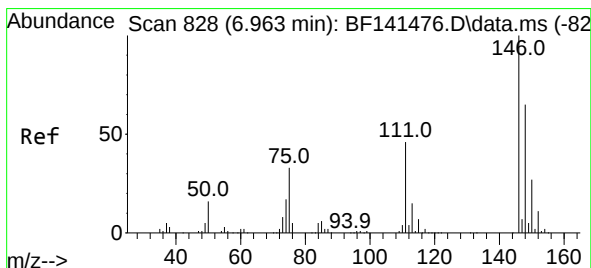
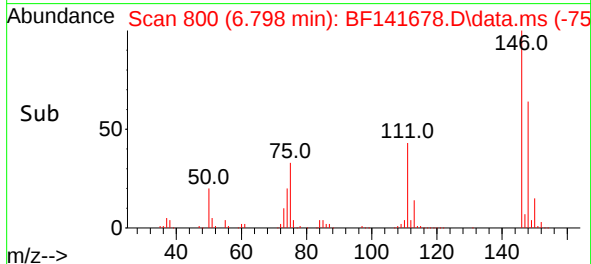
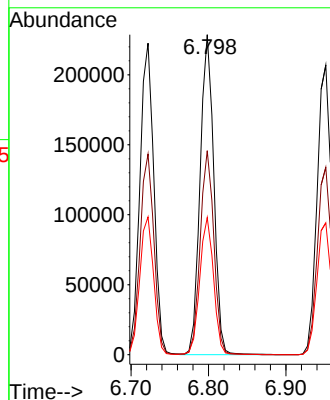
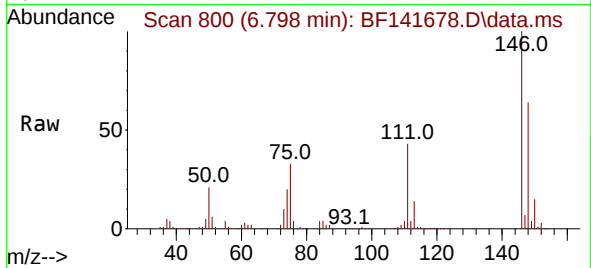
111 42.8 35.9 53.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/20/2025



#14

1,2-Dichlorobenzene

Concen: 42.062 ng

RT: 6.951 min Scan# 826

Delta R.T. -0.012 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

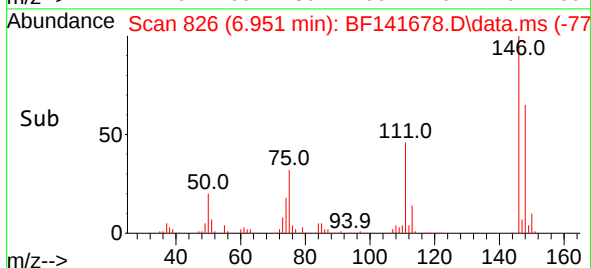
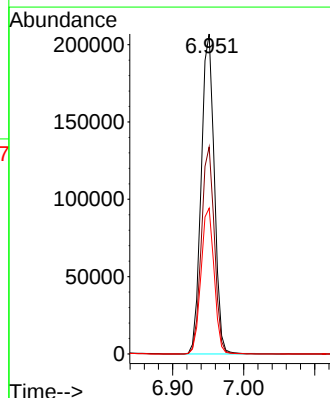
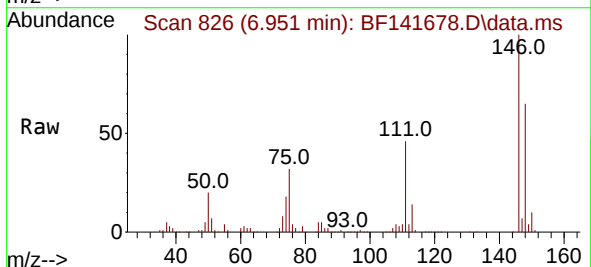
Tgt Ion:146 Resp: 266225

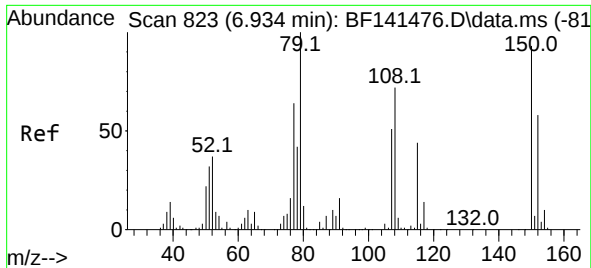
Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

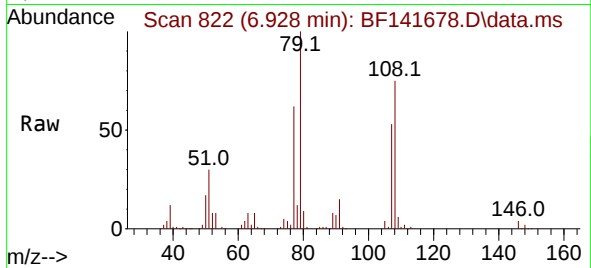
111 45.5 37.0 55.4





#15
Benzyl Alcohol
Concen: 38.016 ng
RT: 6.928 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

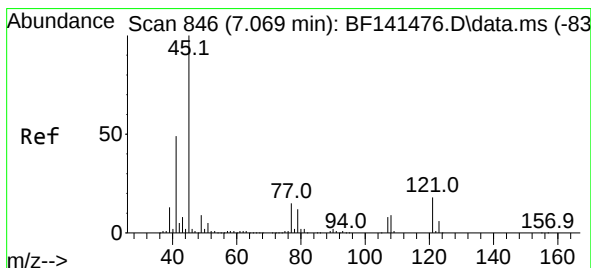
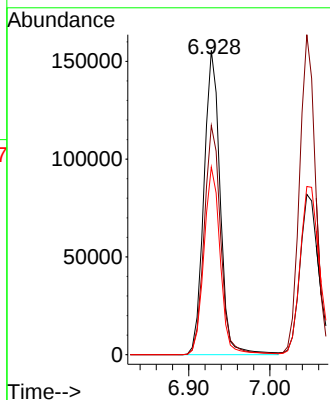
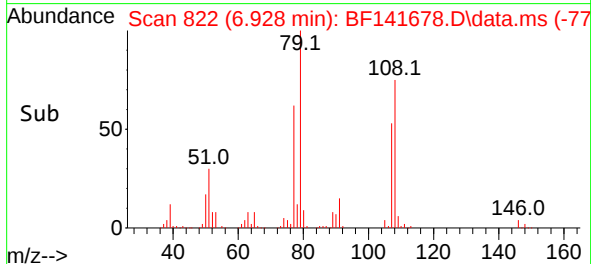
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion: 79 Resp: 21559
Ion Ratio Lower Upper
79 100
108 75.3 57.4 86.2
77 61.7 50.9 76.3

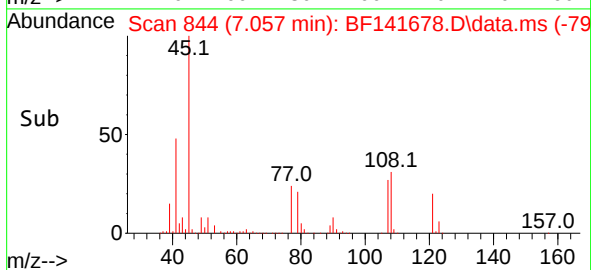
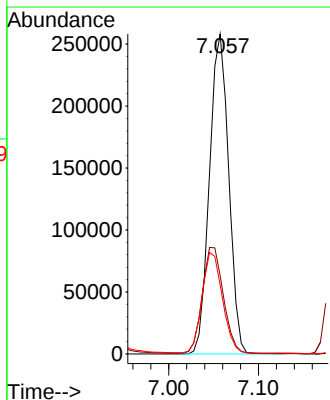
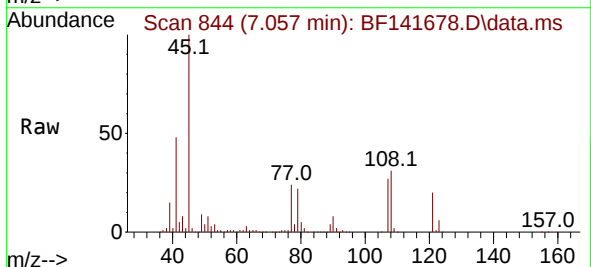
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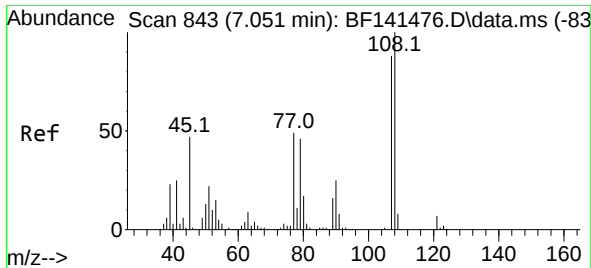
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.788 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

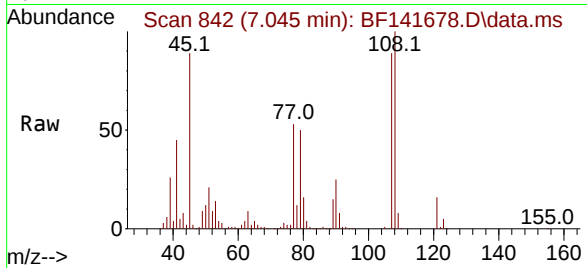
Tgt Ion: 45 Resp: 383863
Ion Ratio Lower Upper
45 100
77 24.5 0.0 35.8
79 21.6 0.0 32.7





#17
2-Methylphenol
Concen: 40.279 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

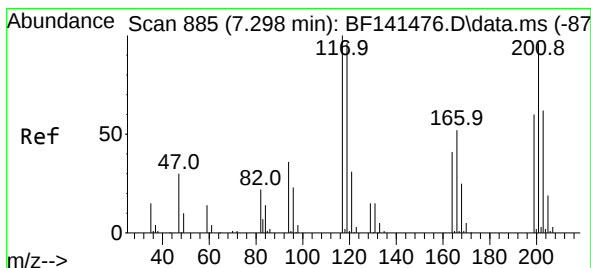
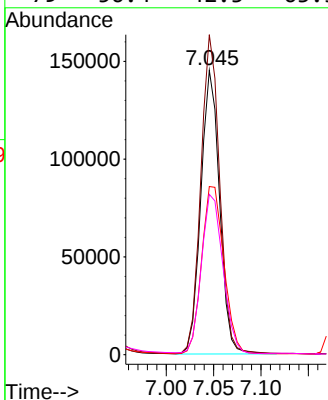
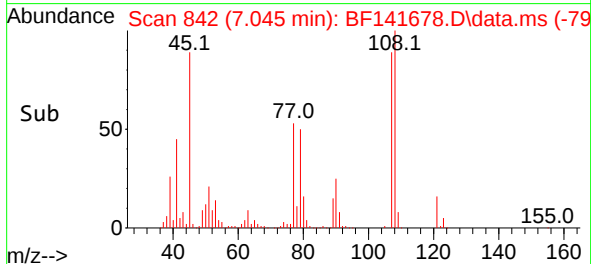
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:107 Resp: 199283
Ion Ratio Lower Upper
107 100
108 112.5 90.6 136.0
77 59.1 44.4 66.6
79 56.4 42.3 63.5

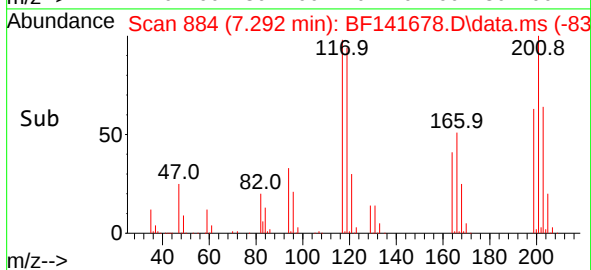
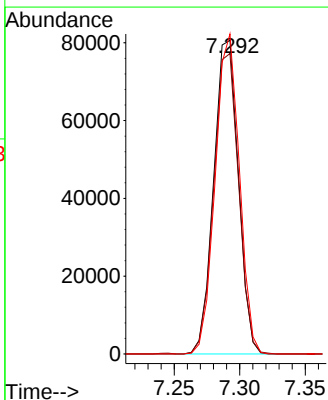
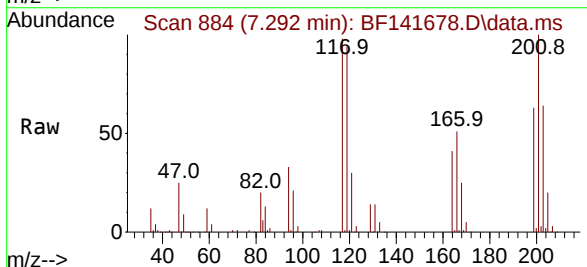
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#18
Hexachloroethane
Concen: 41.890 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion:117 Resp: 105722
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7
201 102.0 76.7 115.1





#19

n-Nitroso-di-n-propylamine

Concen: 39.980 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.017 min

Lab File: BF141678.D

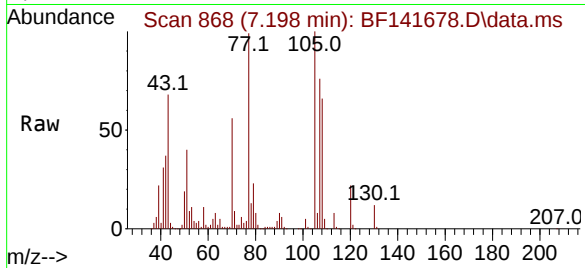
Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD



Tgt Ion: 70 Resp: 17685

Ion Ratio Lower Upper

70 100

42 66.9 57.4 86.2

101 9.8 8.0 12.0

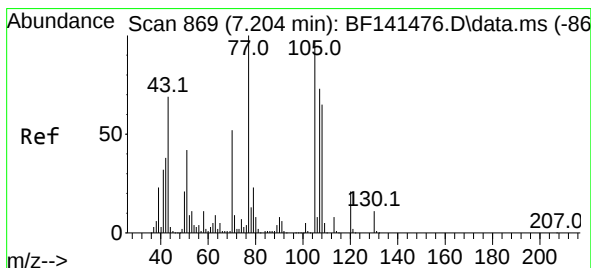
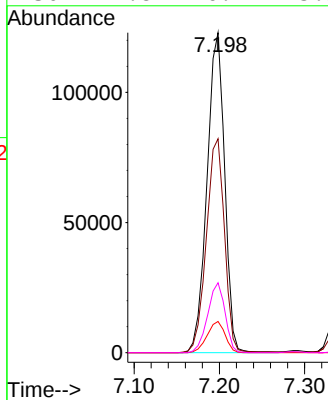
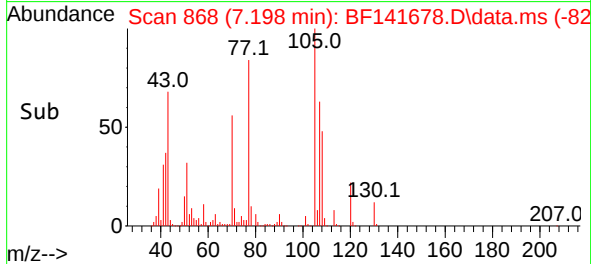
130 21.8 16.9 25.3

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#20

3+4-Methylphenols

Concen: 41.274 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion:107 Resp: 259519

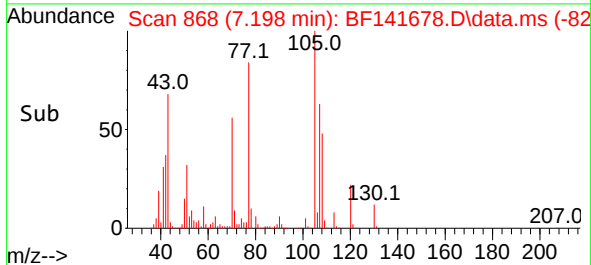
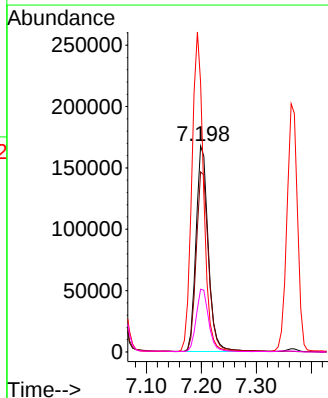
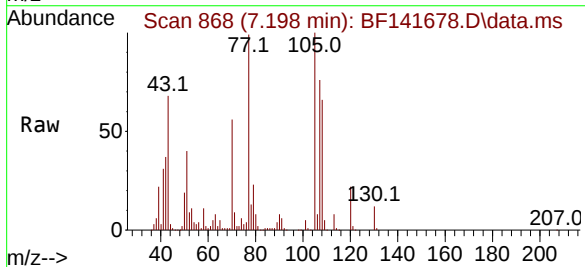
Ion Ratio Lower Upper

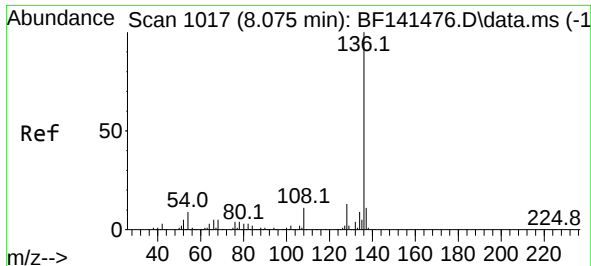
107 100

108 87.4 68.5 108.5

77 130.9 116.5 156.5

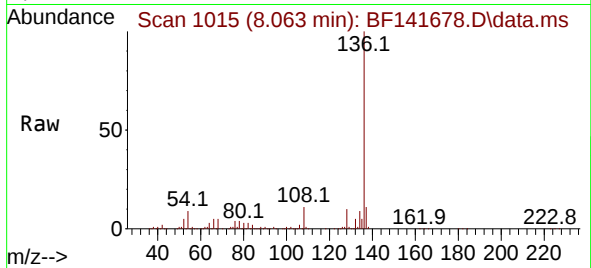
79 30.4 12.0 52.0





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

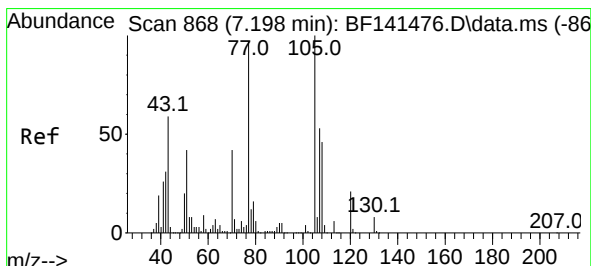
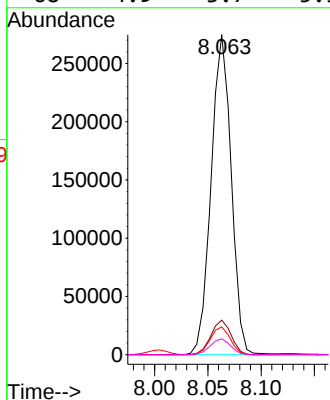
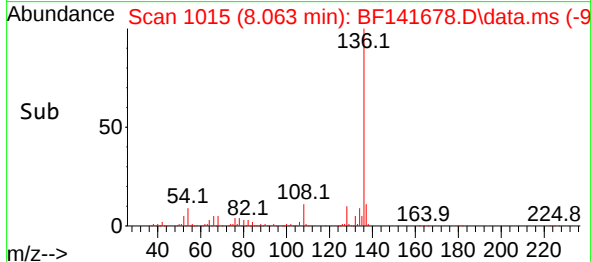
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:136 Resp: 359908
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.2 10.8
68 4.9 3.7 5.5

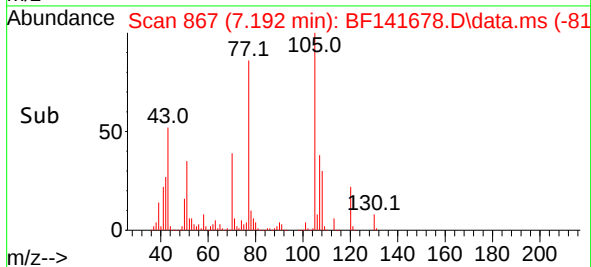
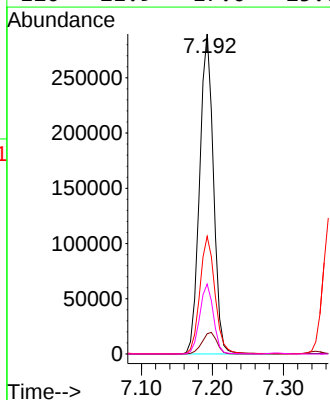
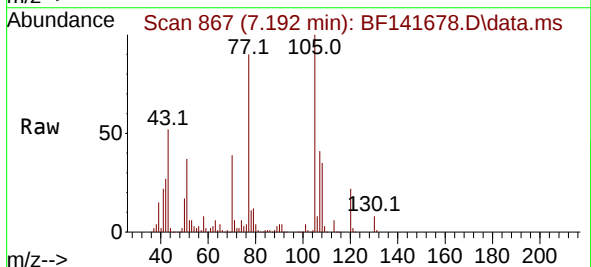
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Supervised By :Jagrut Upadhyay 02/20/2025



#22
Acetophenone
Concen: 43.992 ng
RT: 7.192 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion:105 Resp: 393849
Ion Ratio Lower Upper
105 100
71 6.3 5.7 8.5
51 36.8 33.7 50.5
120 21.9 17.0 25.6





#23

Nitrobenzene-d5

Concen: 60.801 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

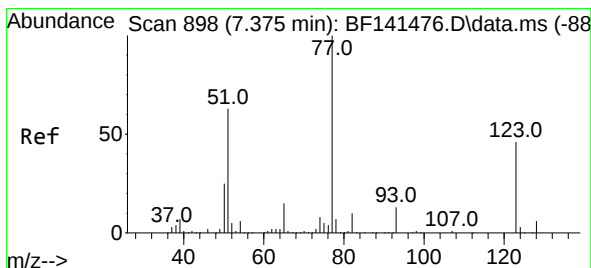
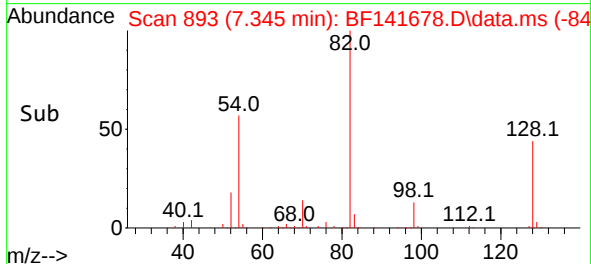
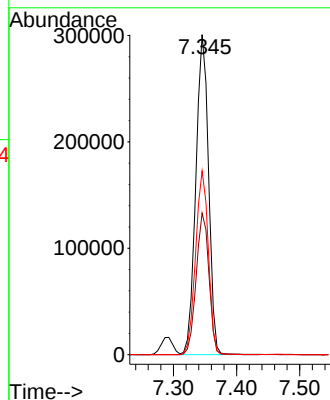
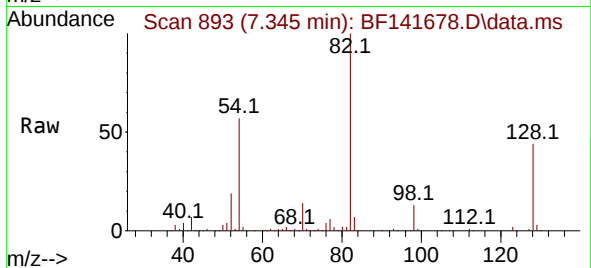
OU4-PCS-TC-03-021725MSD

Tgt Ion: 82 Resp: 419544
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.8 52.2
 54 57.5 48.2 72.4

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 Supervised By :Jagrut Upadhyay 02/20/2025



#24

Nitrobenzene

Concen: 39.754 ng

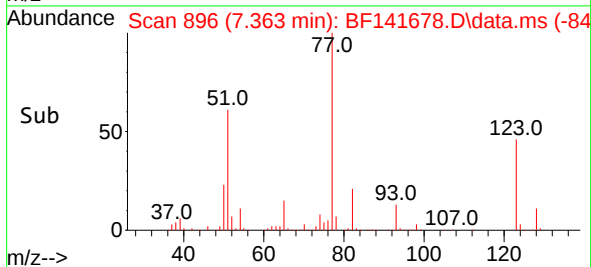
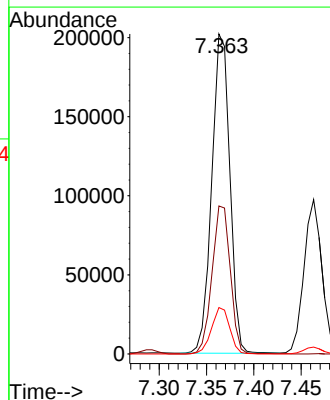
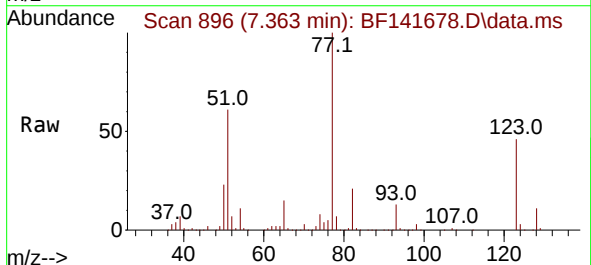
RT: 7.363 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

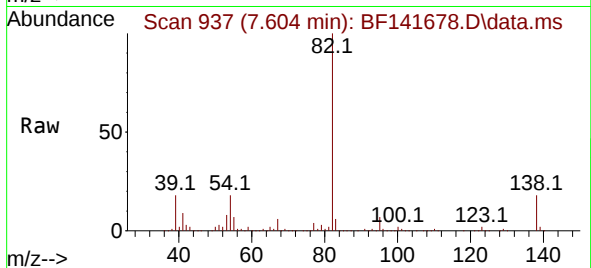
Tgt Ion: 77 Resp: 267486
 Ion Ratio Lower Upper
 77 100
 123 46.3 36.9 55.3
 65 14.5 11.9 17.9





#25
Isophorone
Concen: 42.657 ng
RT: 7.604 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

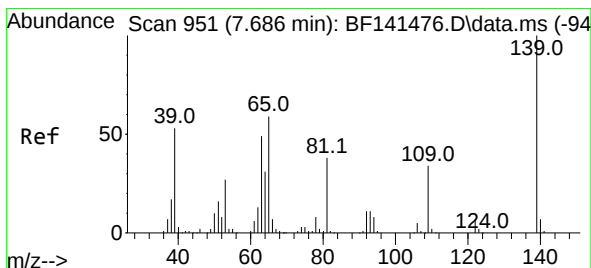
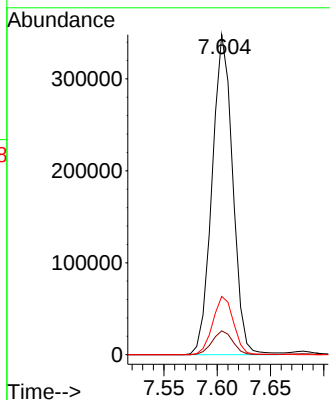
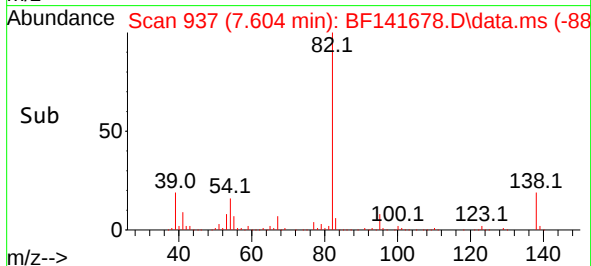
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion: 82 Resp: 469318
Ion Ratio Lower Upper
82 100
95 7.5 6.4 9.6
138 18.2 13.9 20.9

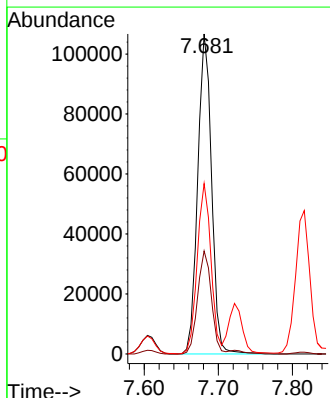
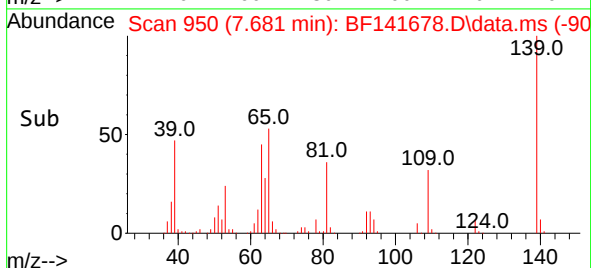
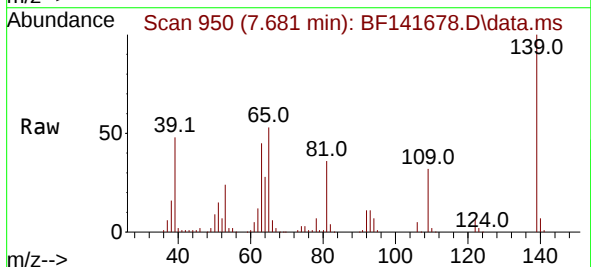
Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#26
2-Nitrophenol
Concen: 41.385 ng
RT: 7.681 min Scan# 950
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

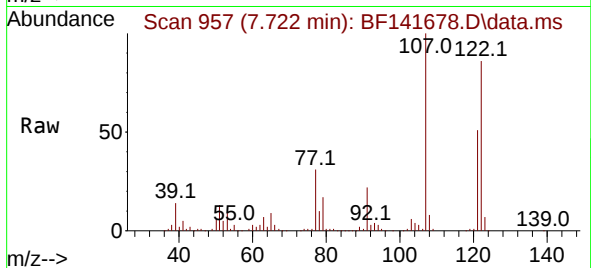
Tgt Ion:139 Resp: 138539
Ion Ratio Lower Upper
139 100
109 32.2 27.0 40.6
65 53.2 47.1 70.7





#27
2,4-Dimethylphenol
Concen: 51.842 ng
RT: 7.722 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

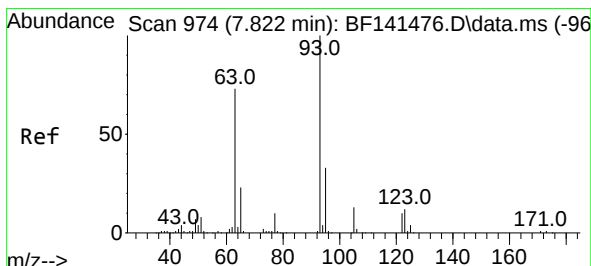
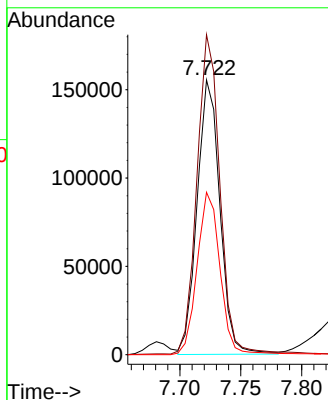
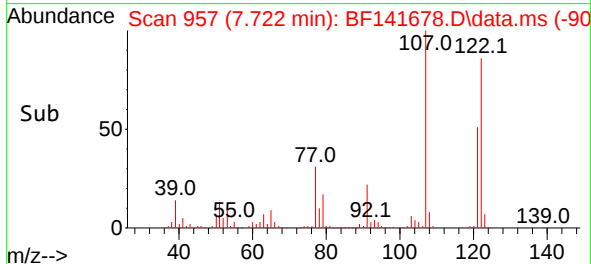
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:122 Resp: 202739
Ion Ratio Lower Upper
122 100
107 116.5 94.3 141.5
121 59.1 46.0 69.0

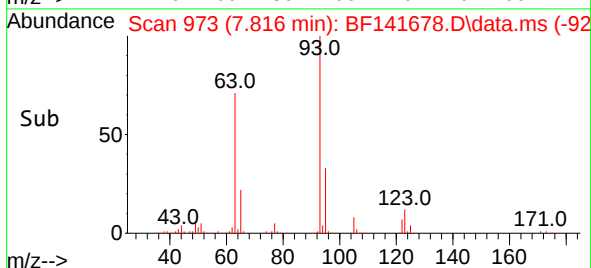
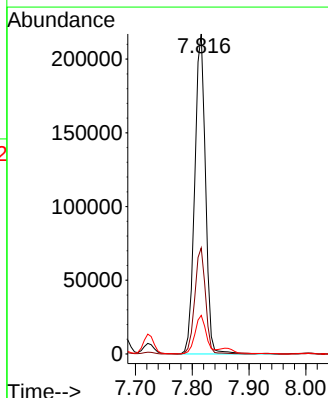
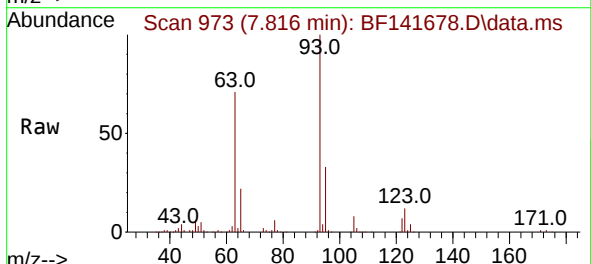
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#28
bis(2-Chloroethoxy)methane
Concen: 40.857 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion: 93 Resp: 288044
Ion Ratio Lower Upper
93 100
95 33.2 26.1 39.1
123 12.1 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 40.729 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

Tgt Ion:162 Resp: 215210

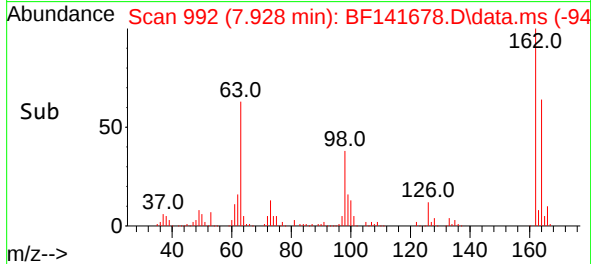
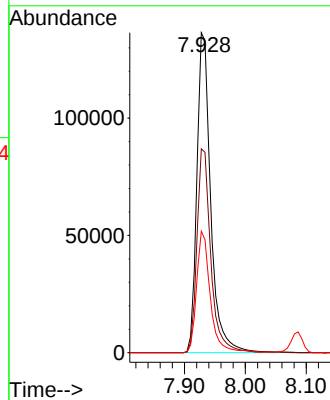
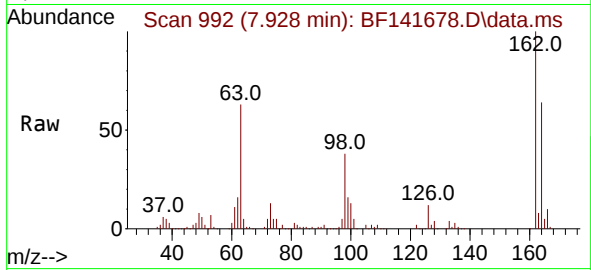
Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.6	84.6
98	38.0	17.2	57.2

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#30

1,2,4-Trichlorobenzene

Concen: 40.849 ng

RT: 8.004 min Scan# 1005

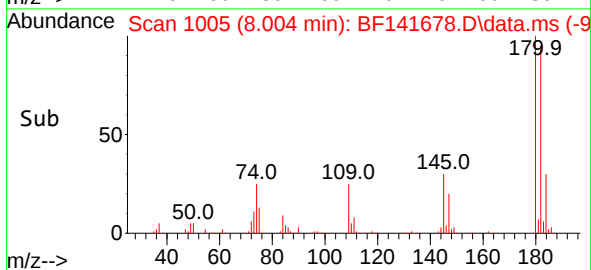
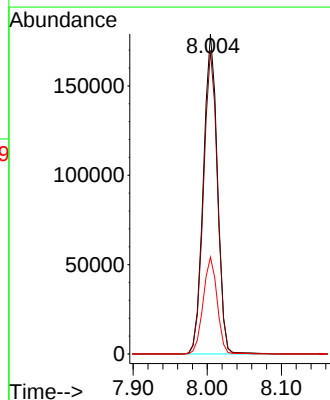
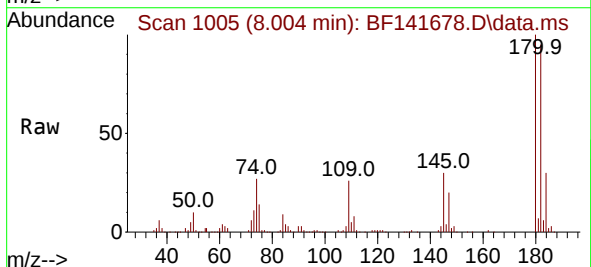
Delta R.T. -0.012 min

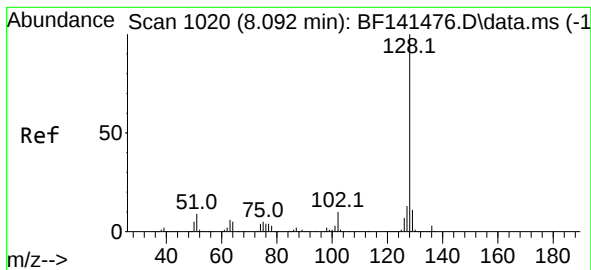
Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion:180 Resp: 235047

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.8	115.2
145	30.2	24.2	36.4





#31

Naphthalene

Concen: 39.991 ng

RT: 8.087 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

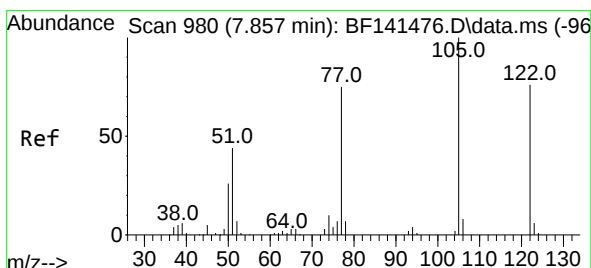
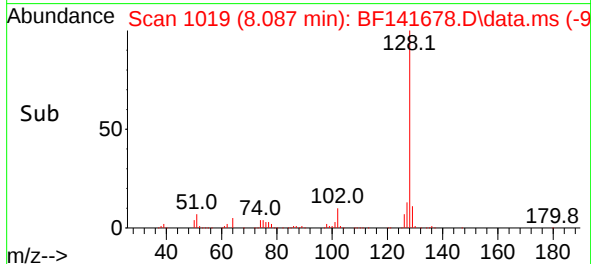
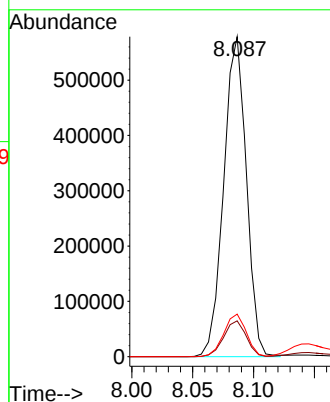
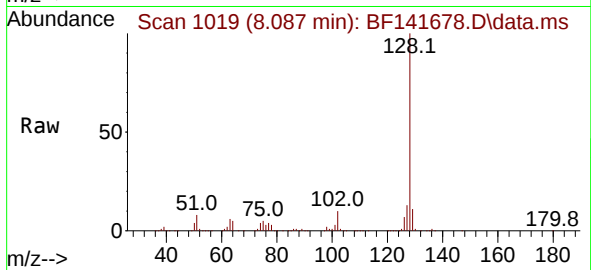
Tgt Ion:128 Resp: 74920

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.7	16.1

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#32

Benzoic acid

Concen: 34.428 ng

RT: 7.863 min Scan# 981

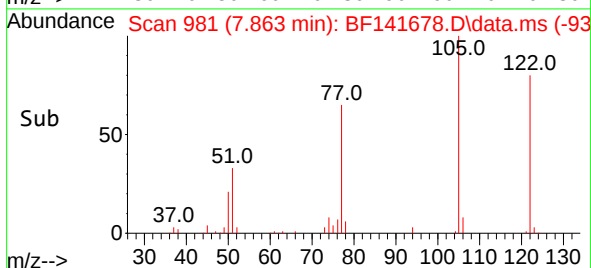
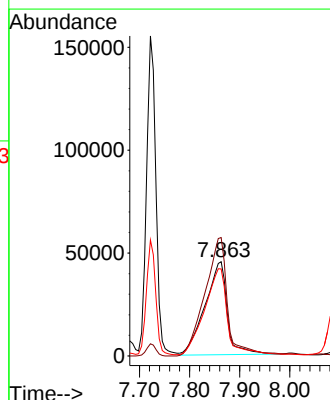
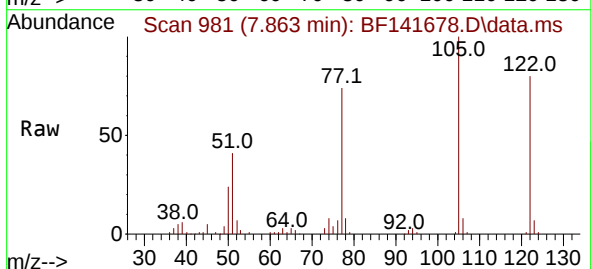
Delta R.T. -0.029 min

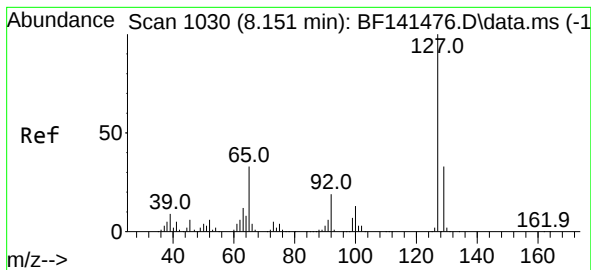
Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion:122 Resp: 139850

Ion	Ratio	Lower	Upper
122	100		
105	125.7	106.5	146.5
77	92.4	76.3	116.3





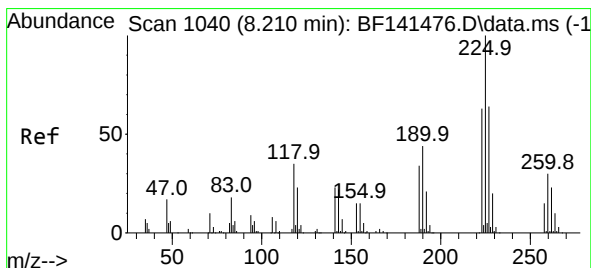
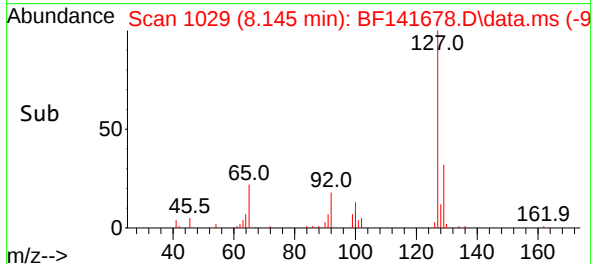
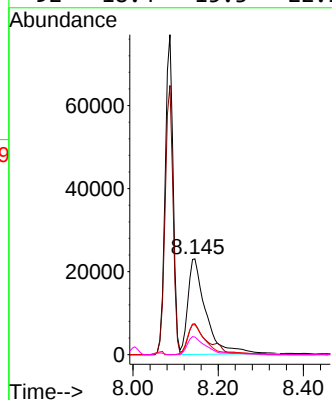
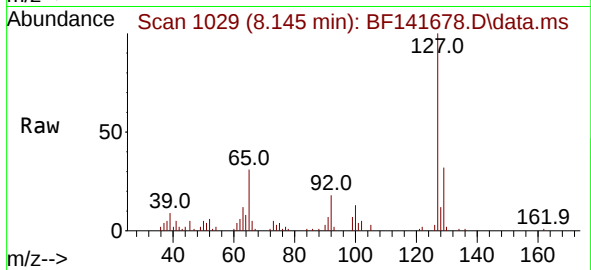
#33
4-Chloroaniline
Concen: 10.307 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD

Tgt Ion:127	Resp: 67419
Ion Ratio	Lower Upper
127 100	
129 32.2	26.5 39.7
65 31.3	26.4 39.6
92 18.4	15.3 22.9

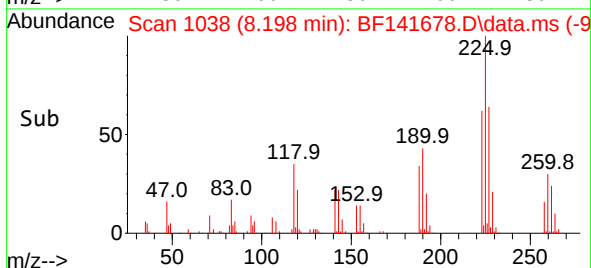
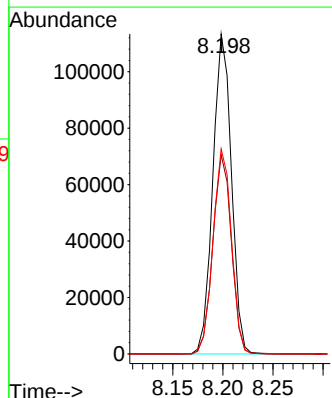
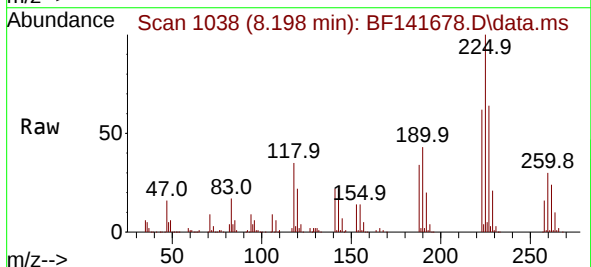
Manual Integrations
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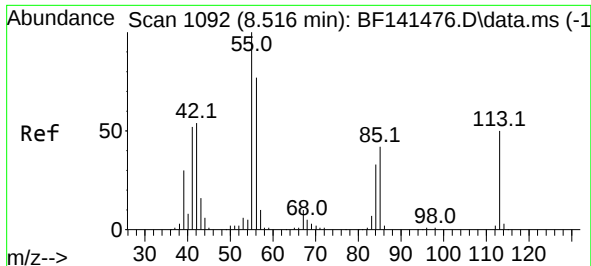
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#34
Hexachlorobutadiene
Concen: 42.180 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion:225	Resp: 145704
Ion Ratio	Lower Upper
225 100	
223 62.2	50.1 75.1
227 64.1	51.0 76.6





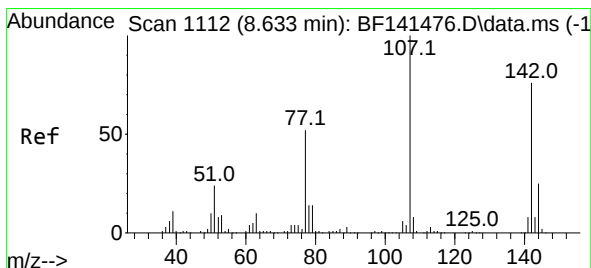
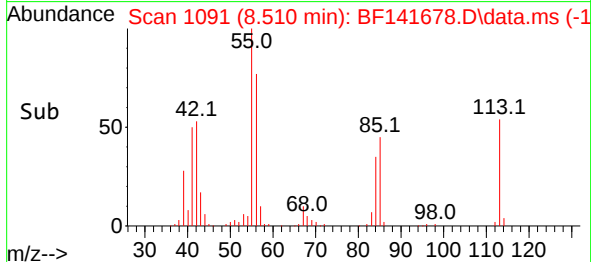
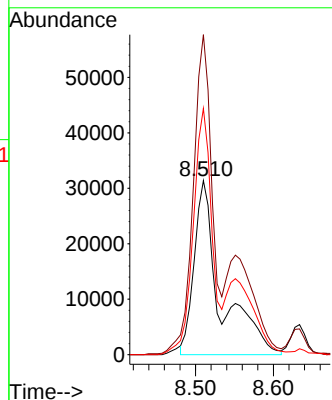
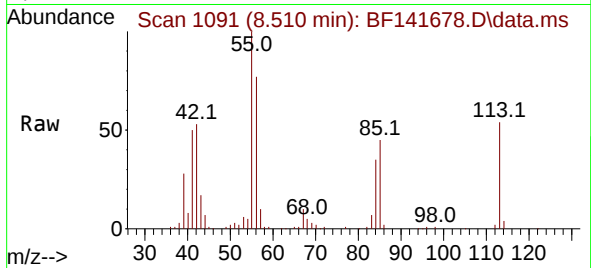
#35
Caprolactam
Concen: 45.840 ng m
RT: 8.510 min Scan# 1092
Delta R.T. -0.035 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD

Tgt Ion:113 Resp: 73748
Ion Ratio Lower Upper
113 100
55 183.8 180.8 220.8
56 141.4 133.6 173.6

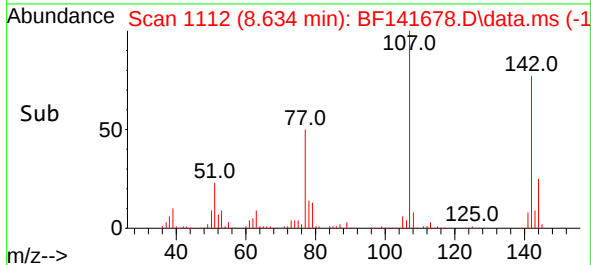
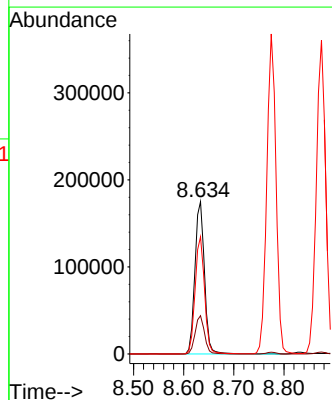
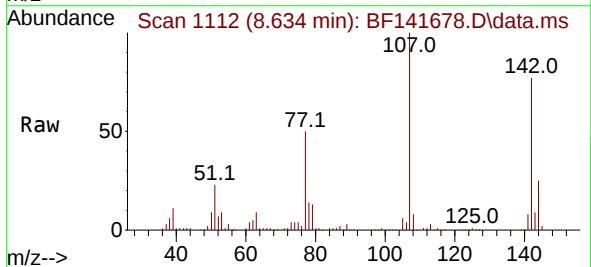
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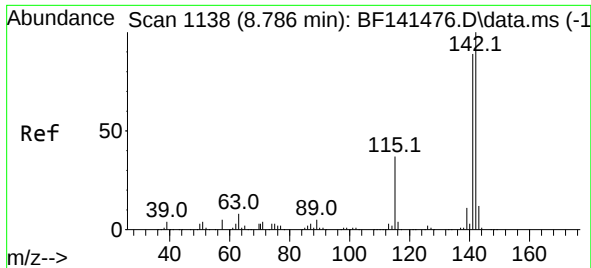
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#36
4-Chloro-3-methylphenol
Concen: 39.521 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

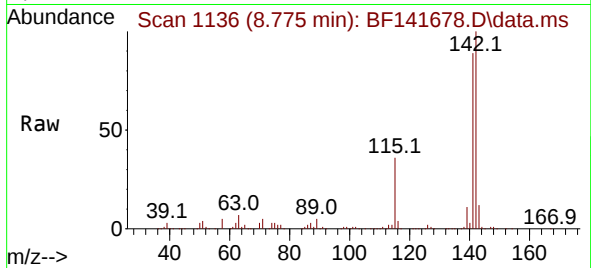
Tgt Ion:107 Resp: 231318
Ion Ratio Lower Upper
107 100
144 25.1 19.7 29.5
142 76.8 60.8 91.2





#37
2-Methylnaphthalene
Concen: 38.625 ng
RT: 8.775 min Scan# 1136
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

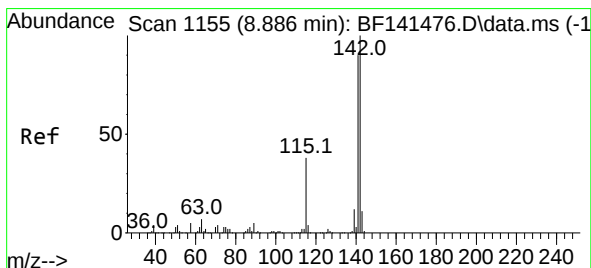
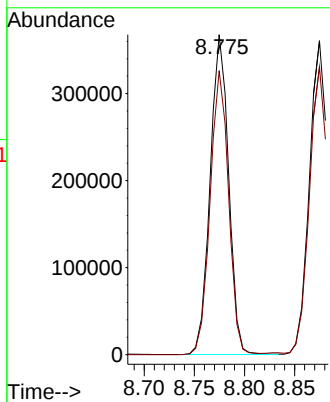
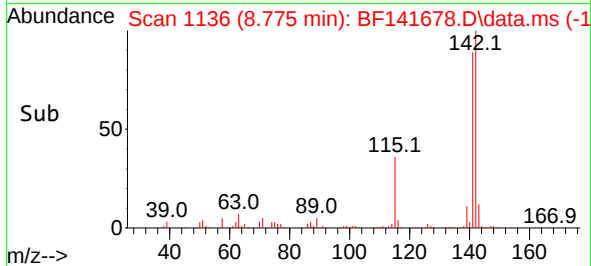
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:142 Resp: 47088
Ion Ratio Lower Upper
142 100
141 88.8 71.2 106.8

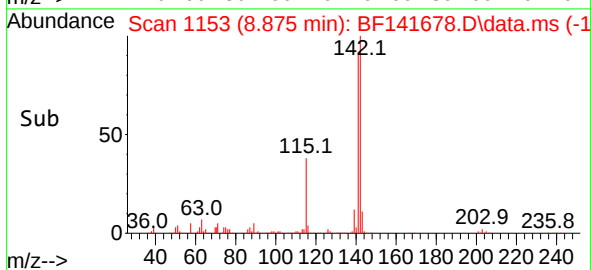
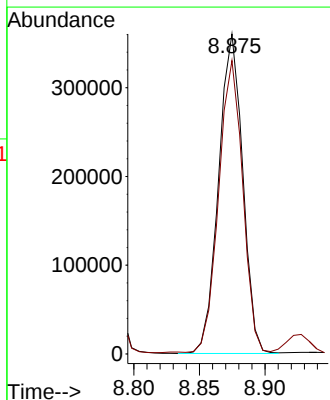
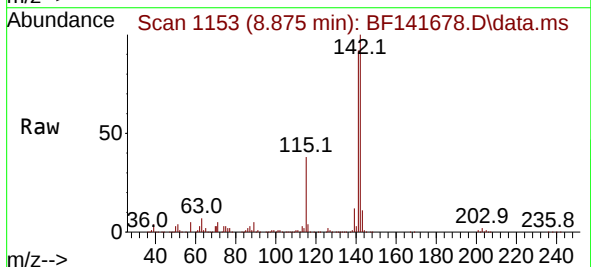
Manual Integrations
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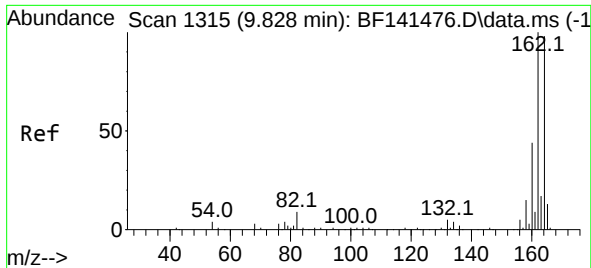
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#38
1-Methylnaphthalene
Concen: 38.948 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

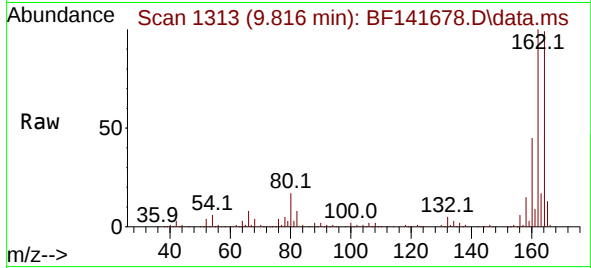
Tgt Ion:142 Resp: 459880
Ion Ratio Lower Upper
142 100
141 91.7 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1165
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

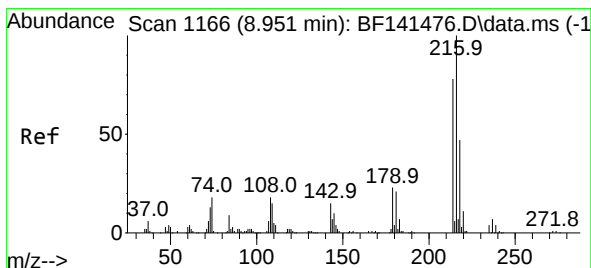
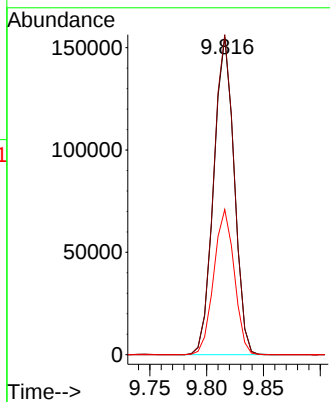
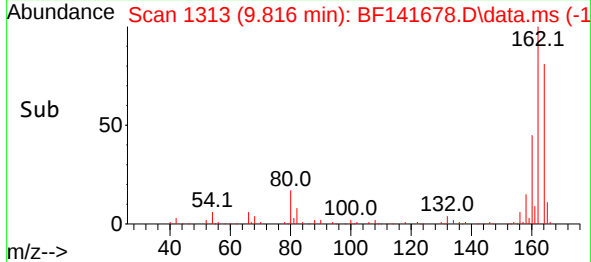
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:164 Resp: 19457
Ion Ratio Lower Upper
164 100
162 100.8 81.3 121.9
160 45.7 35.9 53.9

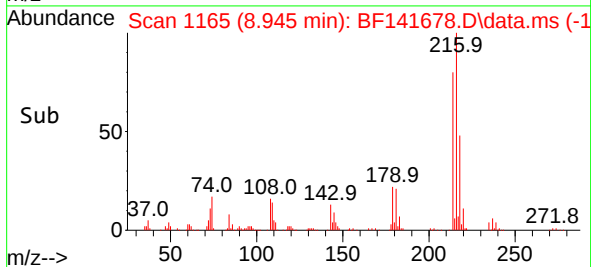
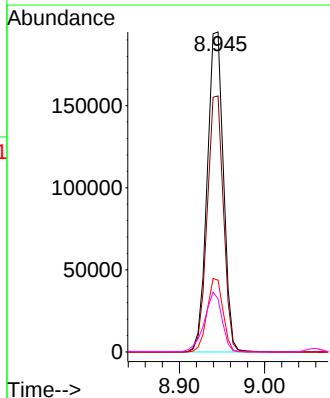
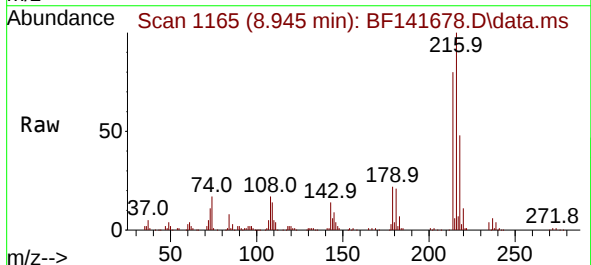
Manual Integrations
APPROVED

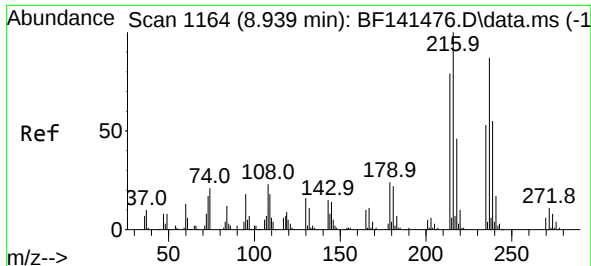
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.841 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

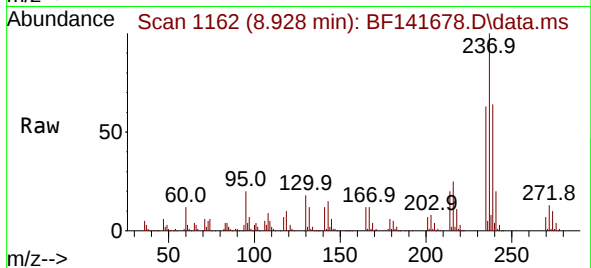
Tgt Ion:216 Resp: 258057
Ion Ratio Lower Upper
216 100
214 79.9 62.3 93.5
179 22.6 18.0 27.0
108 20.3 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 122.468 ng
RT: 8.928 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

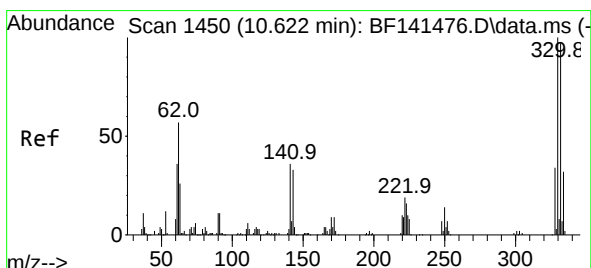
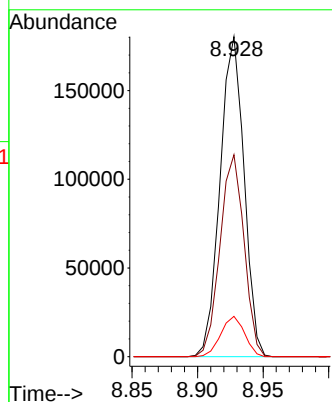
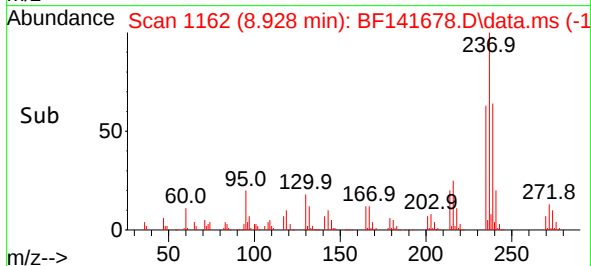
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



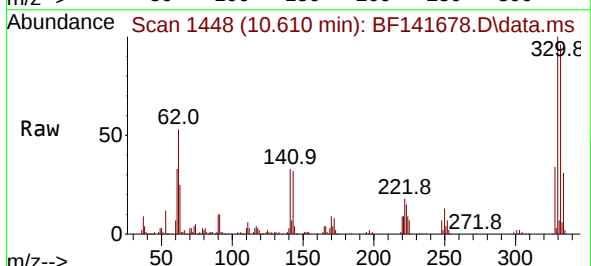
Tgt Ion:237 Resp: 229300
Ion Ratio Lower Upper
237 100
235 63.1 41.4 81.4
272 12.6 0.0 32.4

Manual Integrations
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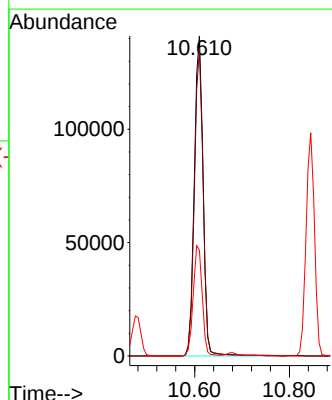
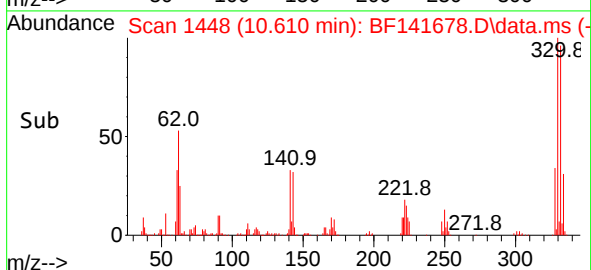
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

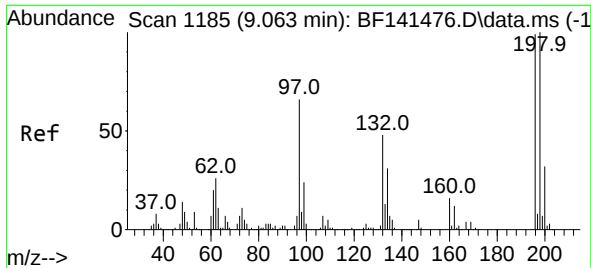


#42
2,4,6-Tribromophenol
Concen: 93.414 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



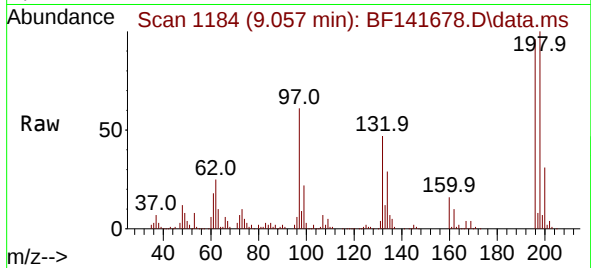
Tgt Ion:330 Resp: 182588
Ion Ratio Lower Upper
330 100
332 94.9 78.5 117.7
141 35.1 31.0 46.4





#43
2,4,6-Trichlorophenol
Concen: 39.888 ng
RT: 9.057 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

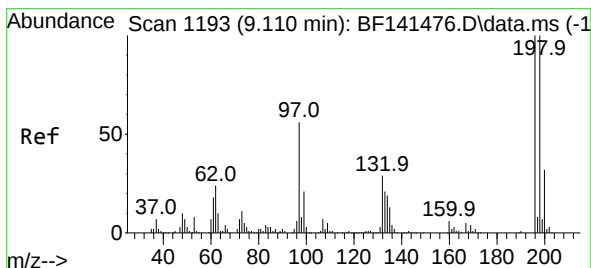
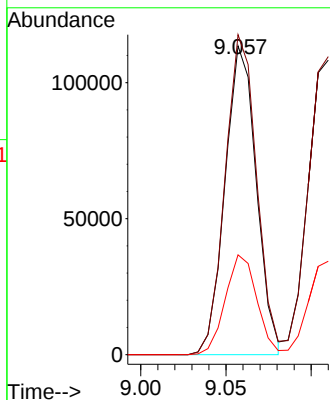
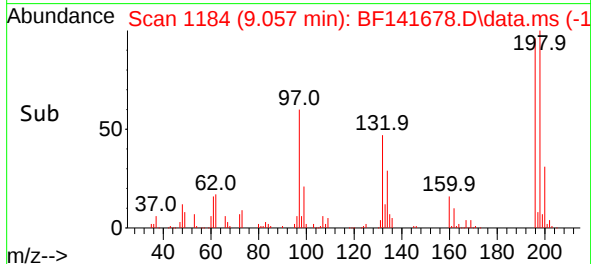
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:196 Resp: 145129
Ion Ratio Lower Upper
196 100
198 103.7 80.6 121.0
200 32.4 25.5 38.3

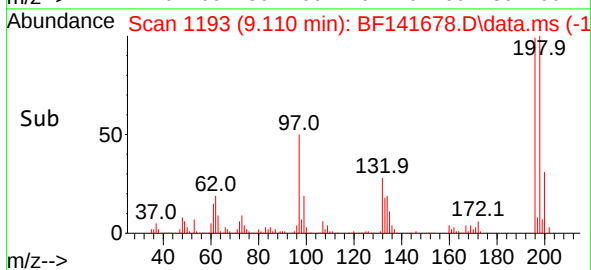
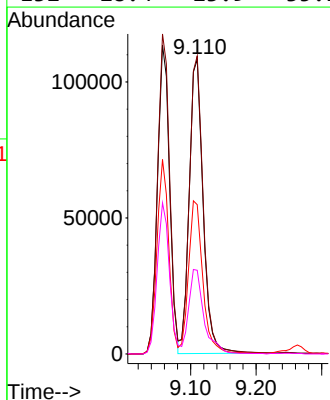
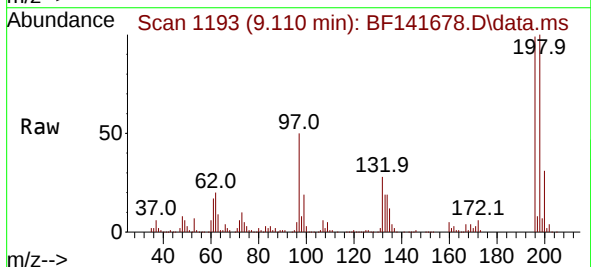
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#44
2,4,5-Trichlorophenol
Concen: 40.382 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion:196 Resp: 159229
Ion Ratio Lower Upper
196 100
198 101.2 79.8 119.8
97 50.6 44.8 67.2
132 28.4 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 63.821 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141678.D

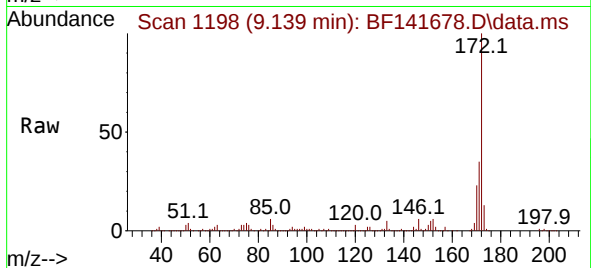
Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

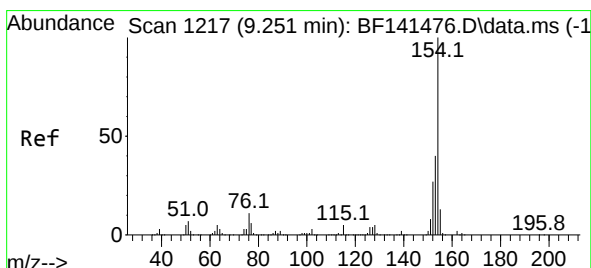
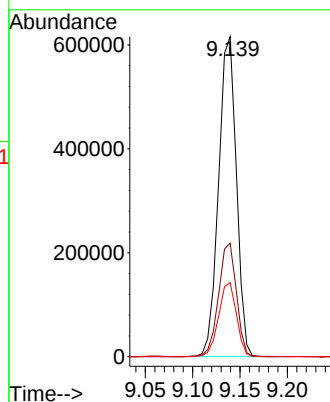
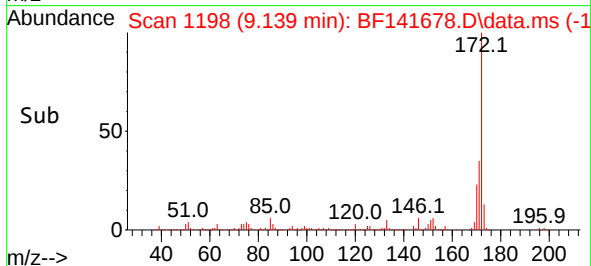


Tgt Ion:	172	Resp:	806030
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.7	43.1
170	23.1	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#46

1,1'-Biphenyl

Concen: 45.204 ng

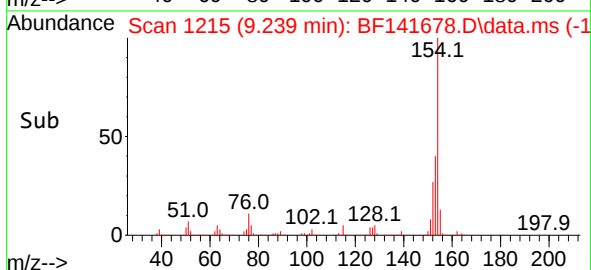
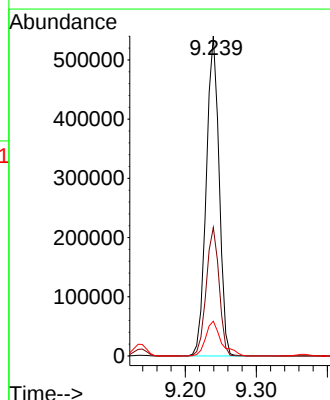
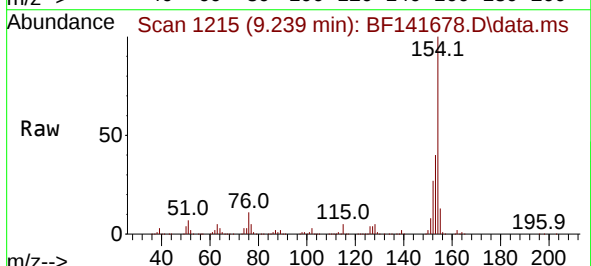
RT: 9.239 min Scan# 1215

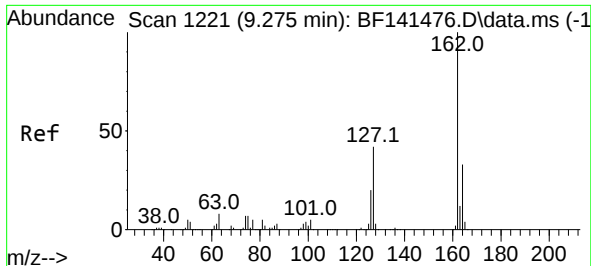
Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion:	154	Resp:	681906
Ion Ratio	Lower	Upper	
154	100		
153	40.2	20.4	60.4
76	10.8	0.0	30.8





#47

2-Chloronaphthalene

Concen: 41.729 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

Tgt Ion:162 Resp: 46549

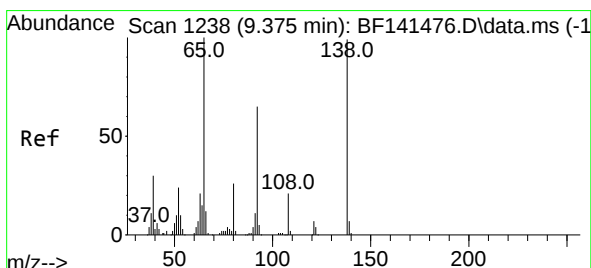
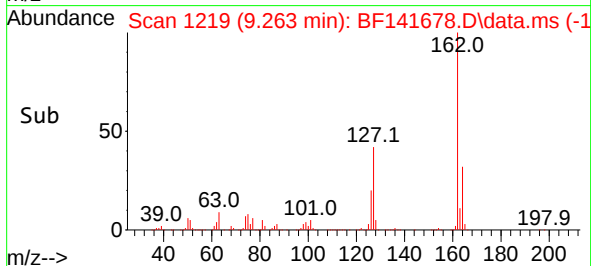
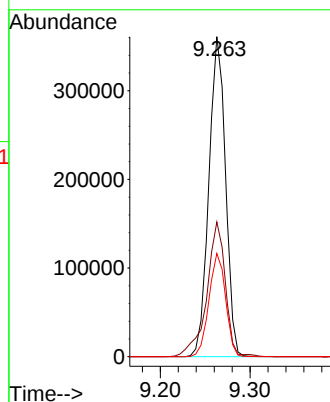
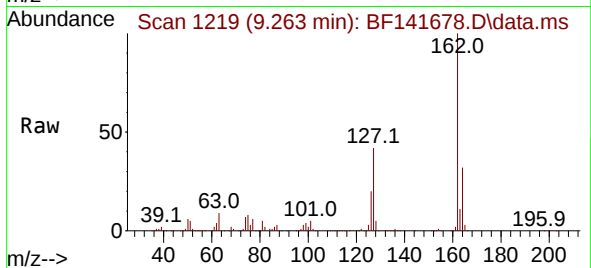
Ion	Ratio	Lower	Upper
162	100		
127	42.1	34.1	51.1
164	32.3	26.3	39.5

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#48

2-Nitroaniline

Concen: 39.643 ng

RT: 9.363 min Scan# 1236

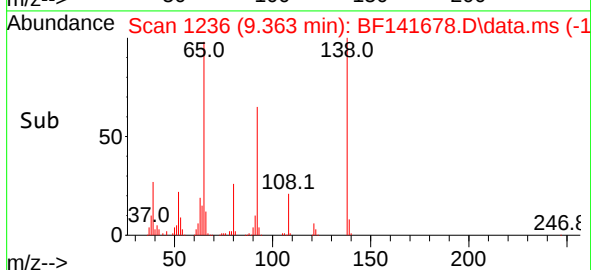
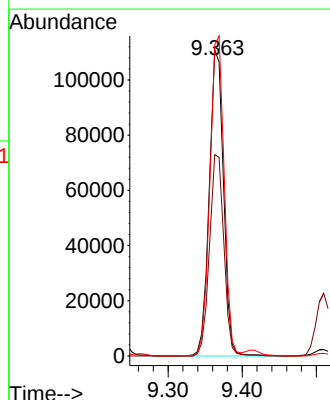
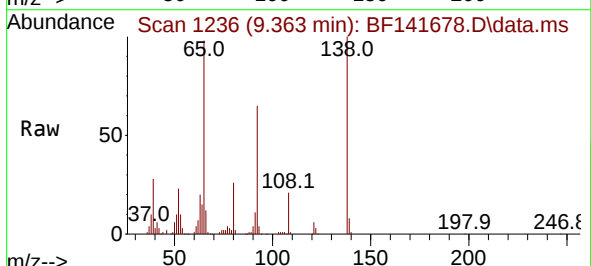
Delta R.T. -0.017 min

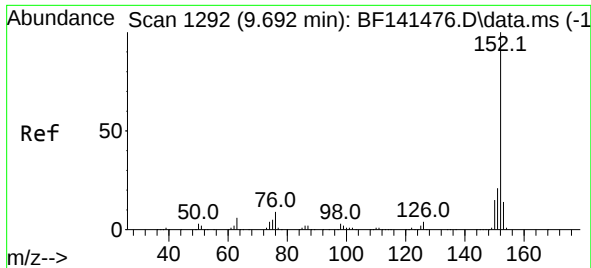
Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion: 65 Resp: 148411

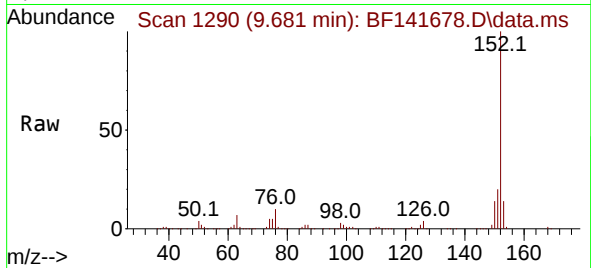
Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.2	78.2
138	101.7	79.5	119.3





#49
Acenaphthylene
Concen: 42.490 ng
RT: 9.681 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

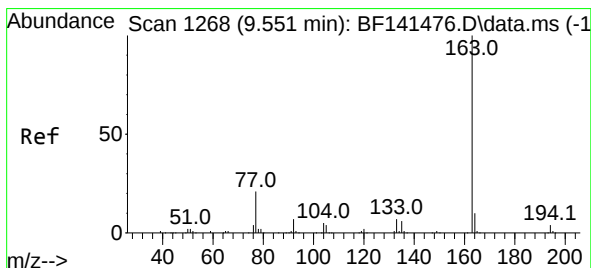
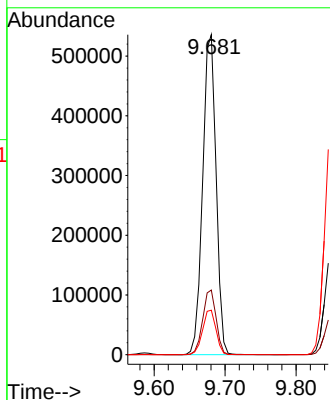
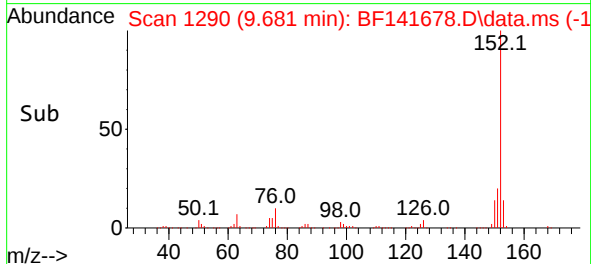
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



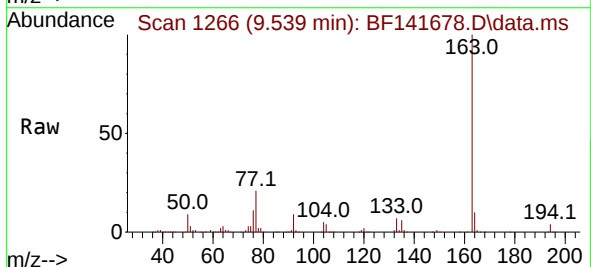
Tgt Ion:152 Resp: 704980
Ion Ratio Lower Upper
152 100
151 20.2 16.4 24.6
153 13.9 10.9 16.3

Manual Integrations
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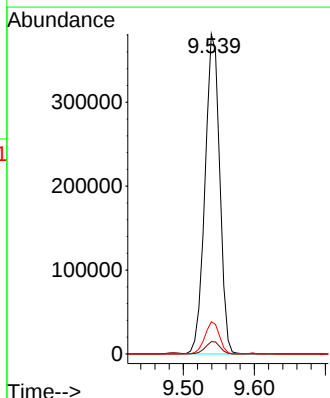
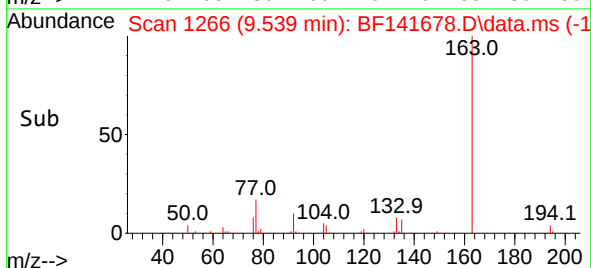
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

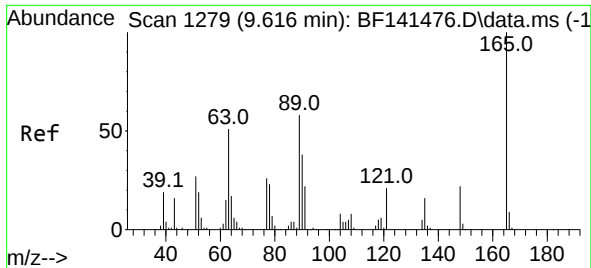


#50
Dimethylphthalate
Concen: 41.605 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



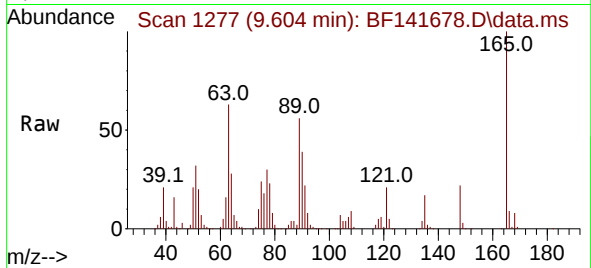
Tgt Ion:163 Resp: 549570
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.1 7.9 11.9





#51
2,6-Dinitrotoluene
Concen: 42.082 ng
RT: 9.604 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

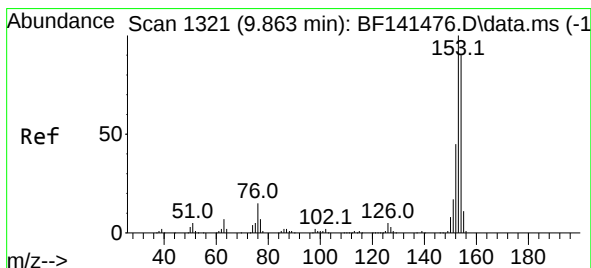
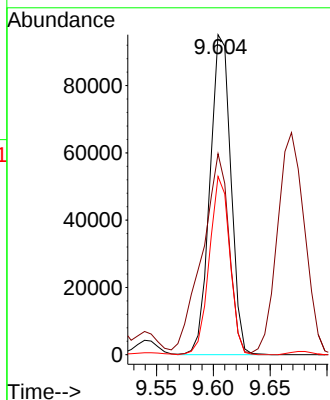
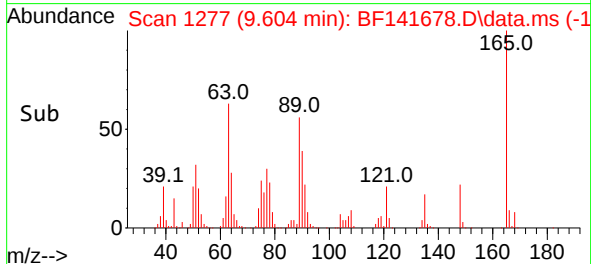
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:165 Resp: 121517
Ion Ratio Lower Upper
165 100
63 62.8 49.4 74.0
89 55.7 46.5 69.7

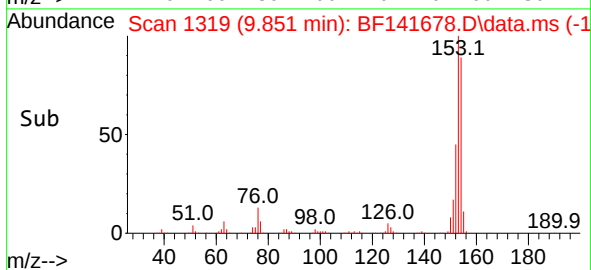
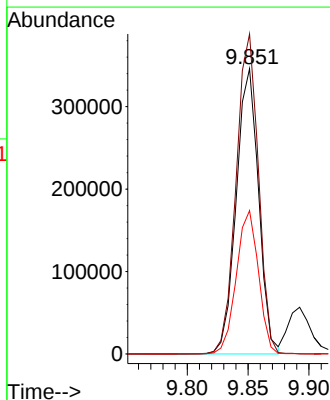
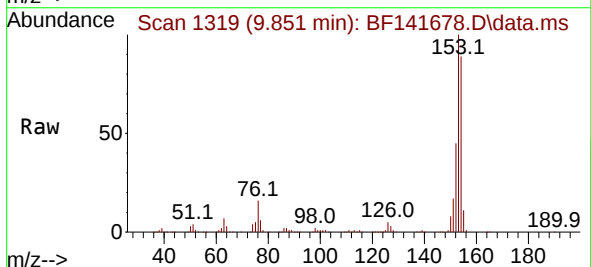
Manual Integrations
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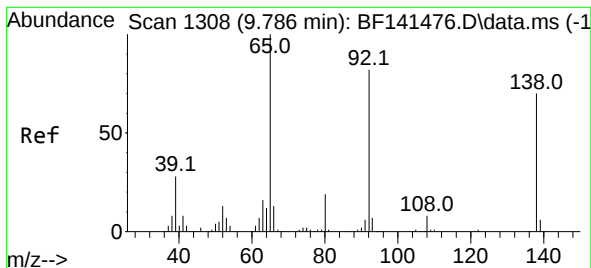
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#52
Acenaphthene
Concen: 39.712 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

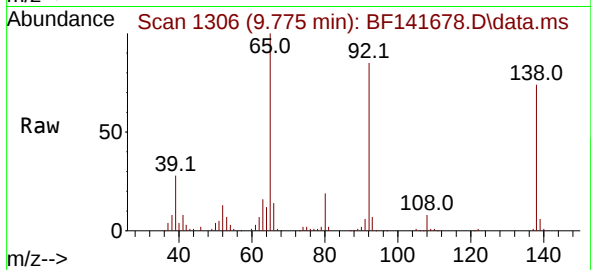
Tgt Ion:154 Resp: 442973
Ion Ratio Lower Upper
154 100
153 112.1 89.2 133.8
152 50.3 39.8 59.8





#53
3-Nitroaniline
Concen: 22.563 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

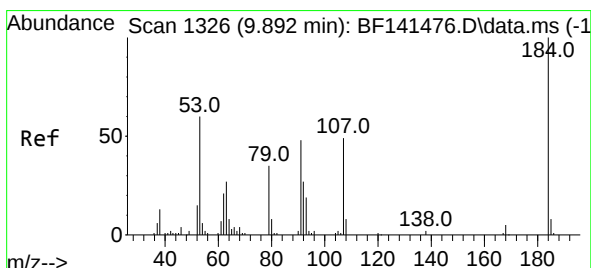
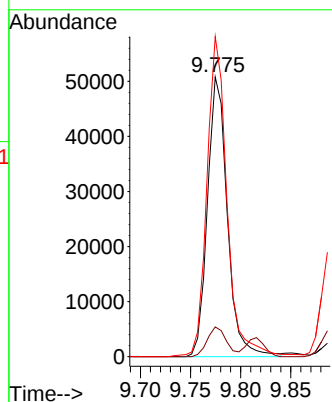
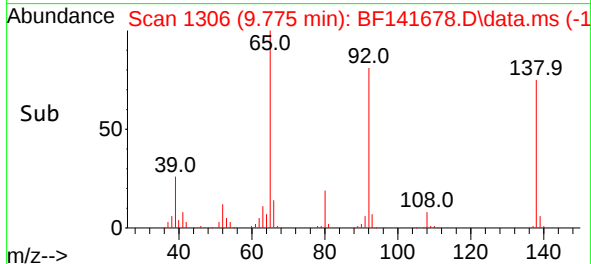
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:138 Resp: 70125
Ion Ratio Lower Upper
138 100
108 10.7 9.0 13.4
92 114.4 93.7 140.5

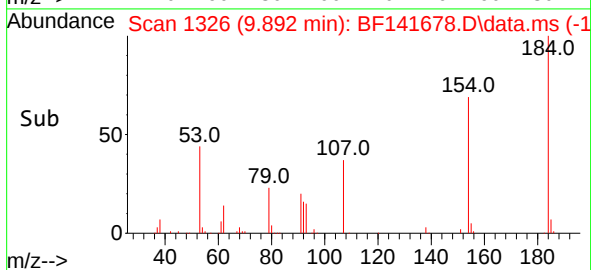
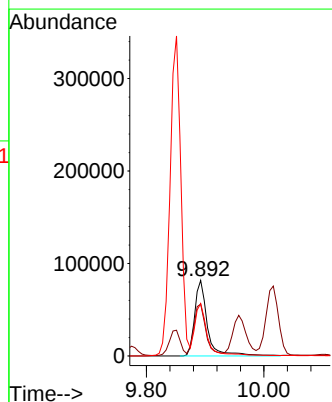
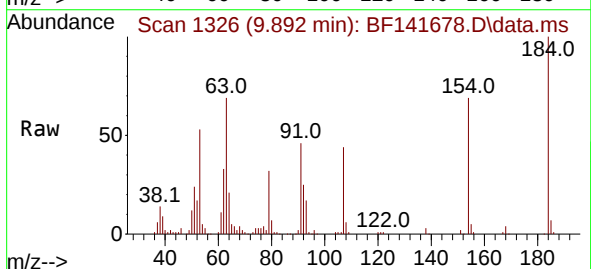
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#54
2,4-Dinitrophenol
Concen: 72.101 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

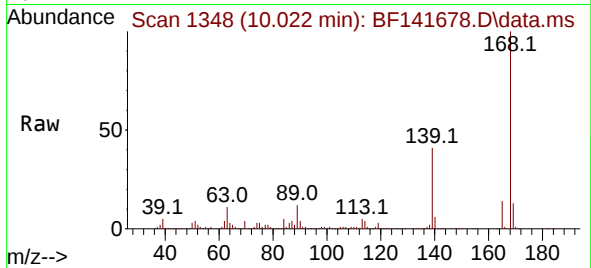
Tgt Ion:184 Resp: 123741
Ion Ratio Lower Upper
184 100
63 68.6 61.0 91.6
154 69.4 59.9 89.9





#55
Dibenzenofuran
Concen: 38.783 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

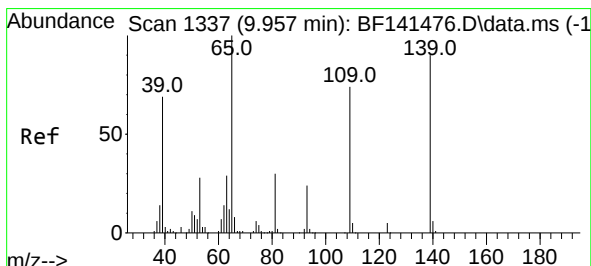
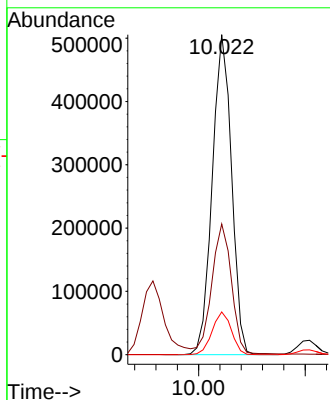
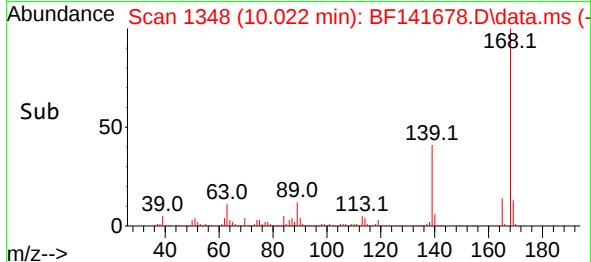
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:168 Resp: 634980
Ion Ratio Lower Upper
168 100
139 40.8 32.7 49.1
169 13.3 10.8 16.2

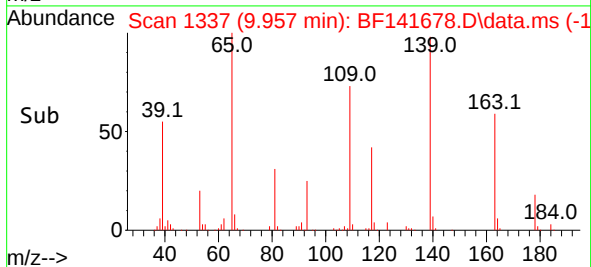
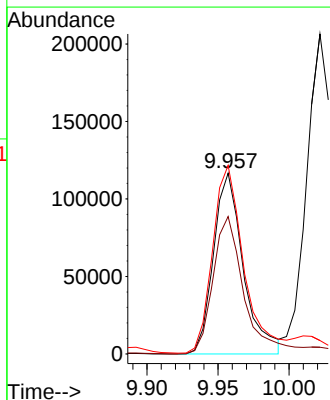
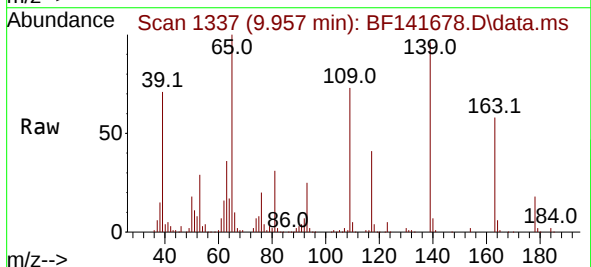
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#56
4-Nitrophenol
Concen: 73.819 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

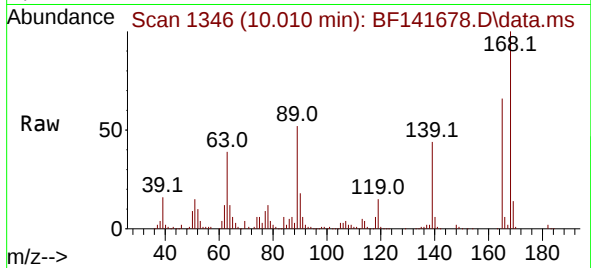
Tgt Ion:139 Resp: 170313
Ion Ratio Lower Upper
139 100
109 76.0 62.0 102.0
65 104.3 91.2 131.2





#57
2,4-Dinitrotoluene
Concen: 41.408 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

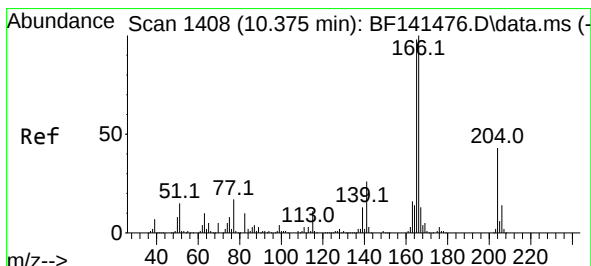
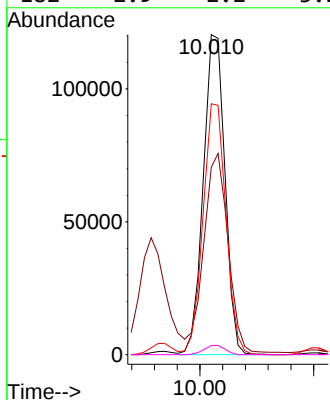
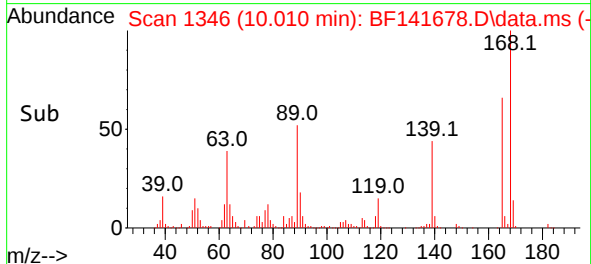
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:165 Resp: 159180
Ion Ratio Lower Upper
165 100
63 58.6 46.4 69.6
89 78.4 61.8 92.6
182 2.9 2.2 3.2

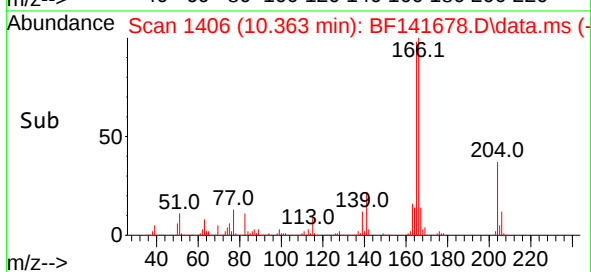
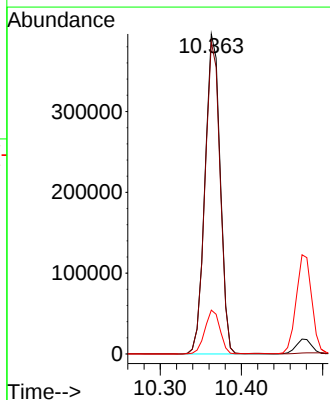
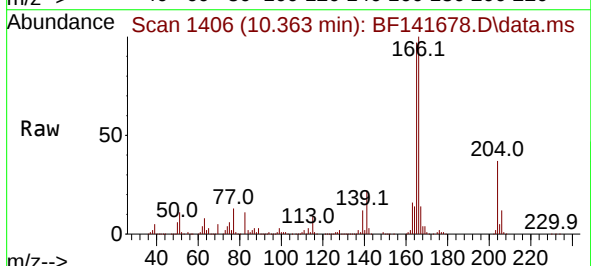
Manual Integrations
APPROVED

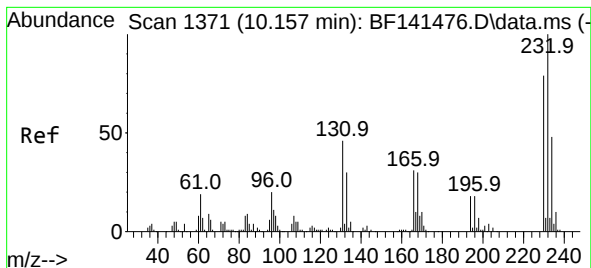
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#58
Fluorene
Concen: 40.493 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

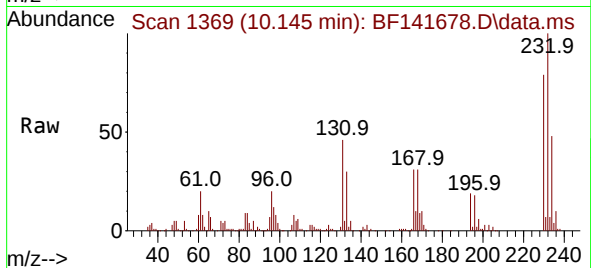
Tgt Ion:166 Resp: 512625
Ion Ratio Lower Upper
166 100
165 97.5 78.2 117.2
167 13.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.288 ng
RT: 10.145 min Scan# 1369
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

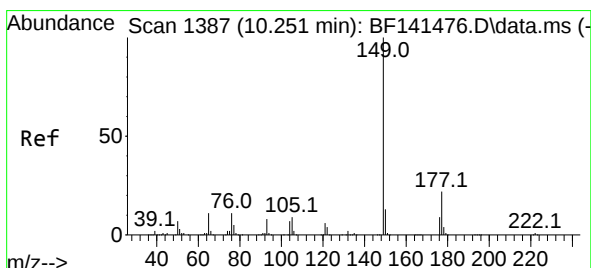
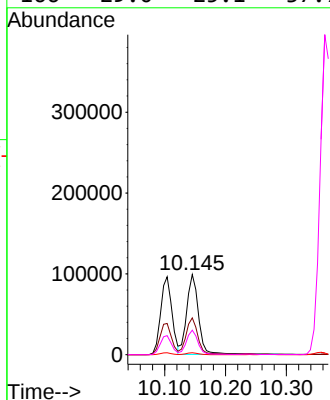
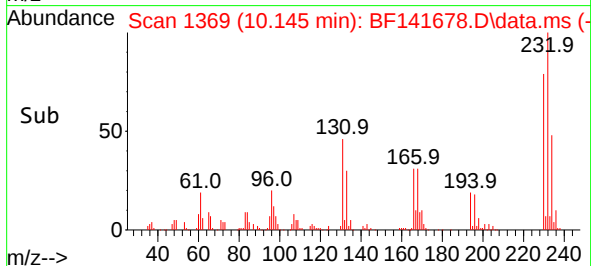
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:232 Resp: 133379
Ion Ratio Lower Upper
232 100
131 46.1 39.2 58.8
130 2.4 2.1 3.1
166 29.0 25.1 37.7

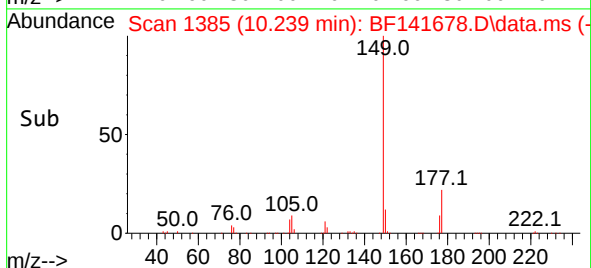
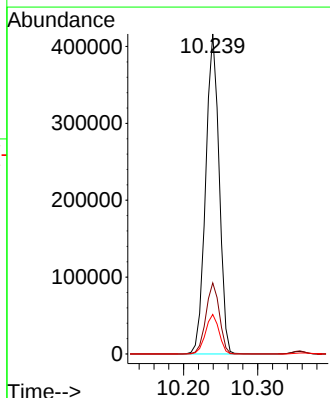
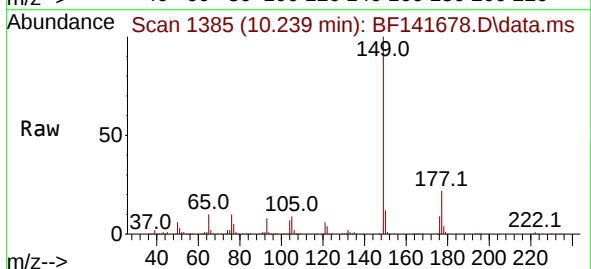
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#60
Diethylphthalate
Concen: 40.390 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

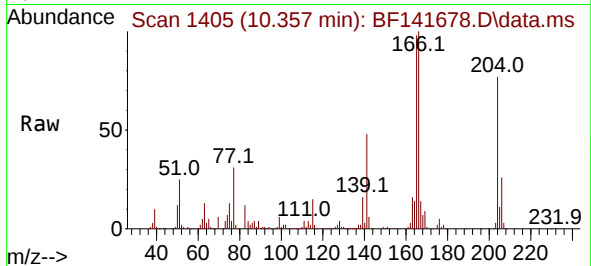
Tgt Ion:149 Resp: 524930
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.3 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.939 ng
RT: 10.357 min Scan# 1405
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

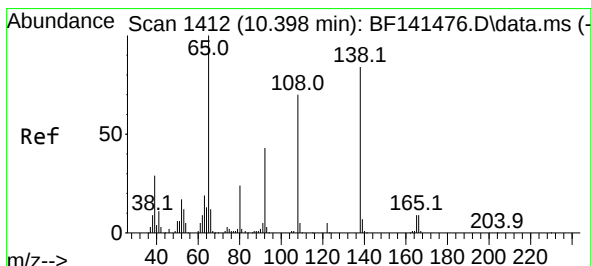
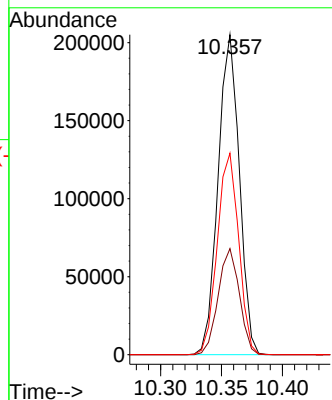
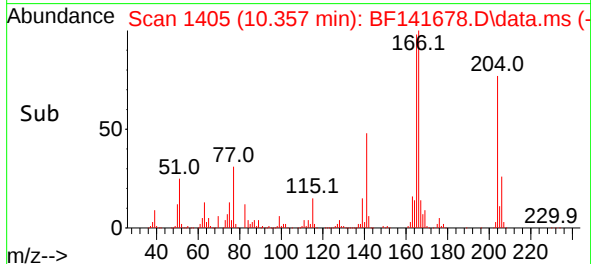
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



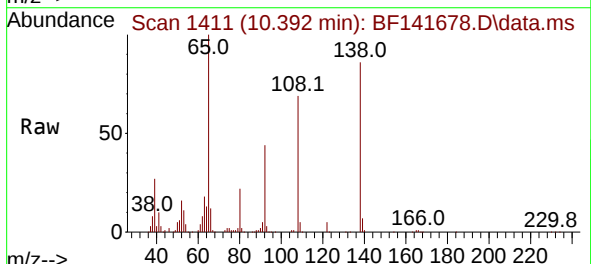
Tgt Ion:204 Resp: 24933
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 63.0 51.9 77.9

Manual Integrations
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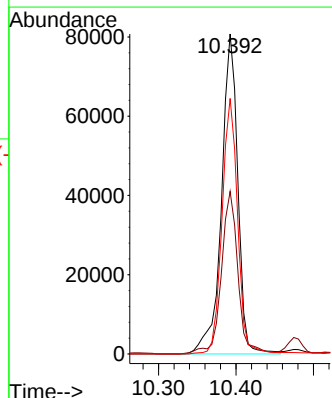
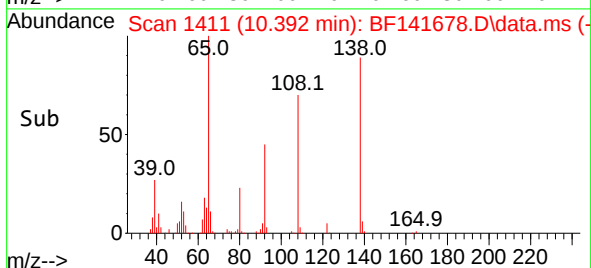
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

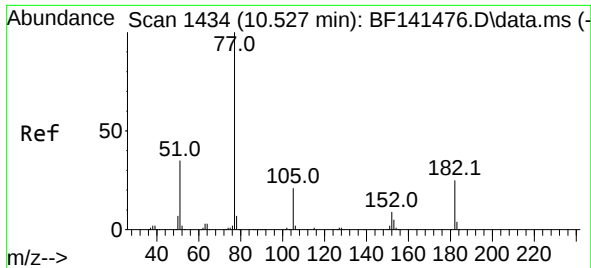


#62
4-Nitroaniline
Concen: 37.531 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.023 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



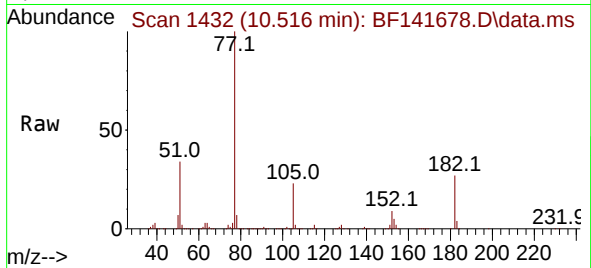
Tgt Ion:138 Resp: 118442
Ion Ratio Lower Upper
138 100
92 50.8 31.3 71.3
108 79.8 63.7 103.7





#63
Azobenzene
Concen: 42.873 ng
RT: 10.516 min Scan# 1434
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

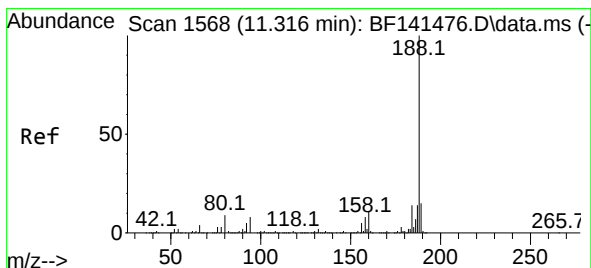
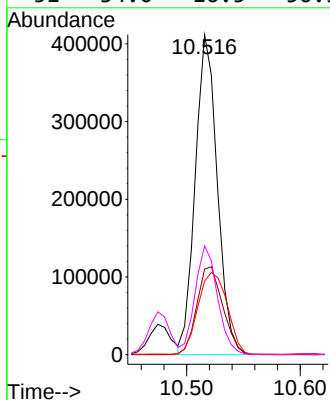
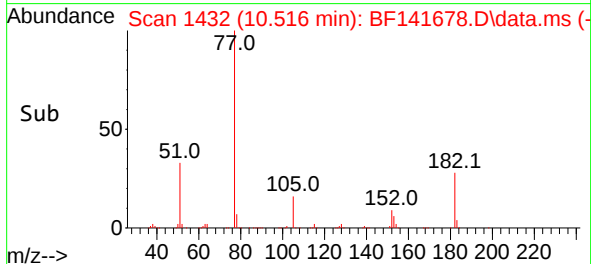
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion: 77 Resp: 55392
Ion Ratio Lower Upper
77 100
182 26.7 4.7 44.7
105 23.0 0.4 40.4
51 34.0 16.5 56.5

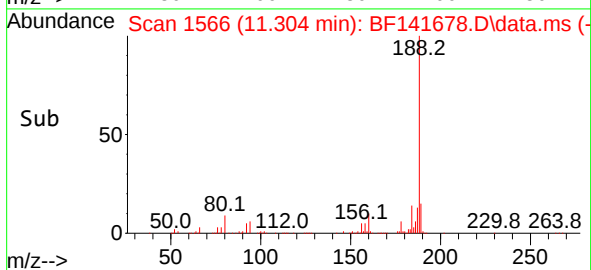
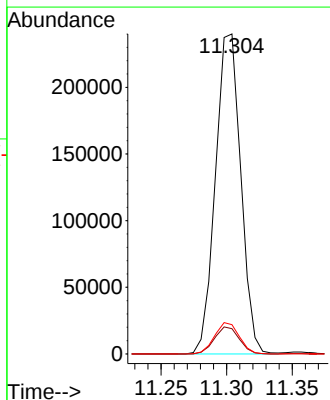
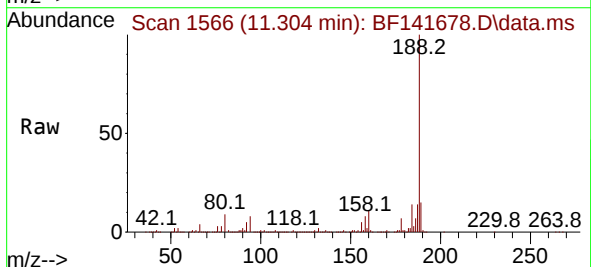
Manual Integrations
APPROVED

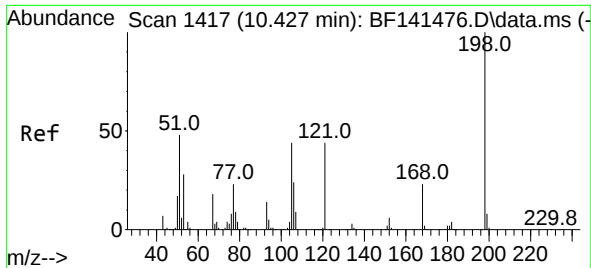
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Tgt Ion:188 Resp: 322542
Ion Ratio Lower Upper
188 100
94 7.9 6.6 10.0
80 9.1 7.3 10.9





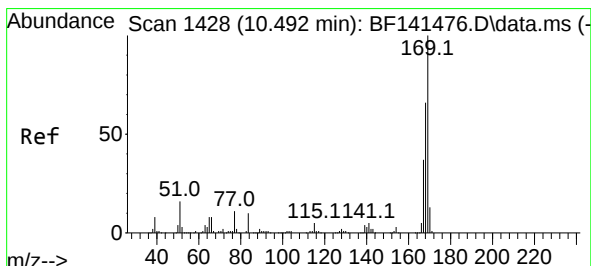
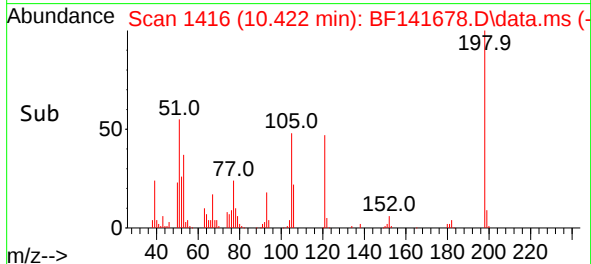
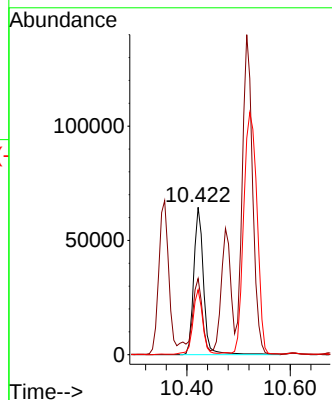
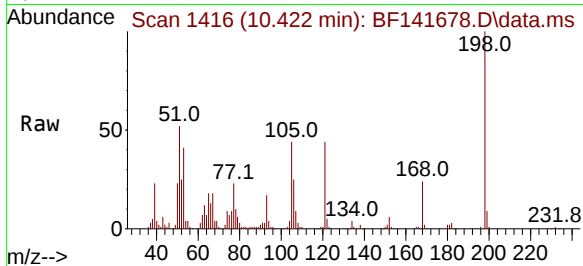
#65
4,6-Dinitro-2-methylphenol
Concen: 37.824 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD

Tgt Ion:198 Resp: 84740
Ion Ratio Lower Upper
198 100
51 51.7 37.4 77.4
105 44.1 25.2 65.2

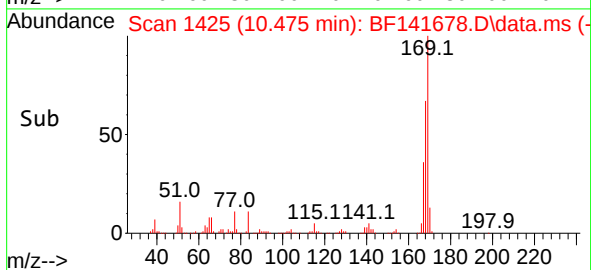
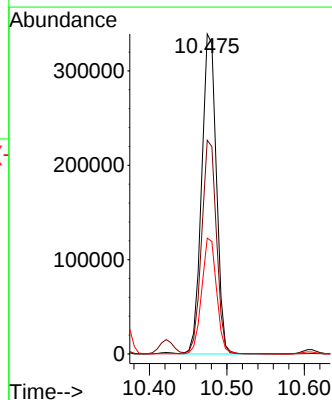
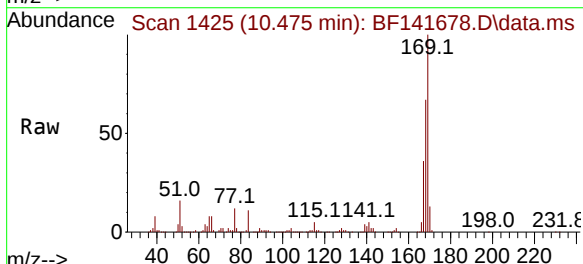
Manual Integrations
APPROVED

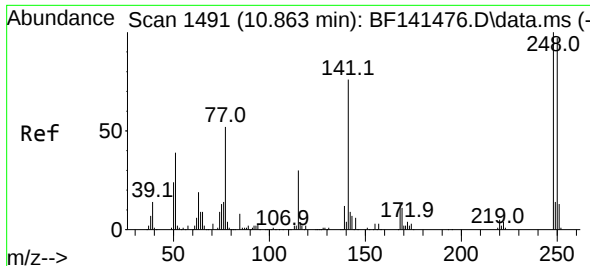
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#66
n-Nitrosodiphenylamine
Concen: 43.153 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

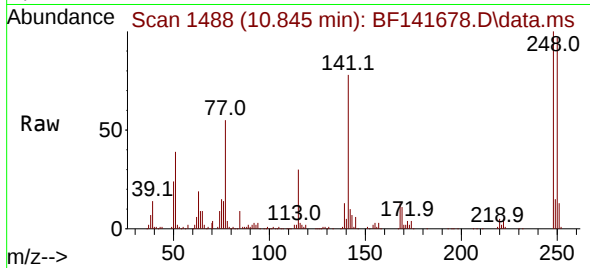
Tgt Ion:169 Resp: 445546
Ion Ratio Lower Upper
169 100
168 66.8 53.3 79.9
167 36.2 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 42.951 ng
RT: 10.845 min Scan# 1488
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

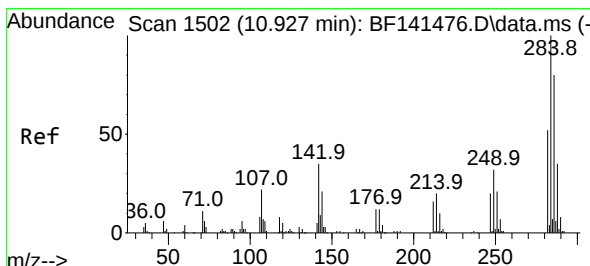
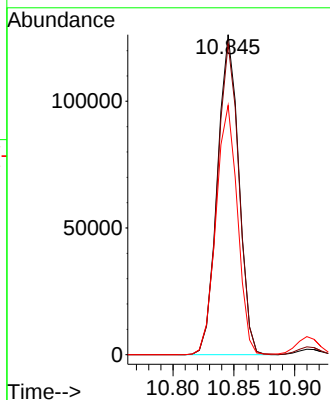
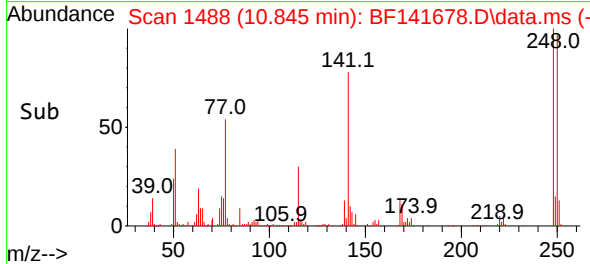
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



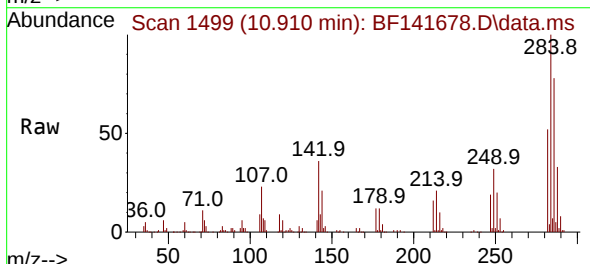
Tgt Ion:248 Resp: 154830
Ion Ratio Lower Upper
248 100
250 97.1 77.8 116.6
141 77.9 60.6 90.8

Manual Integrations
APPROVED

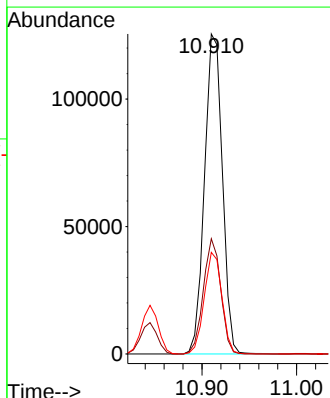
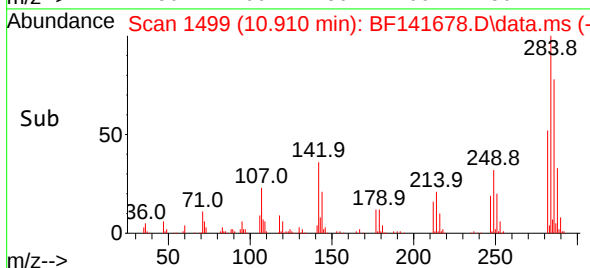
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#68
Hexachlorobenzene
Concen: 44.338 ng
RT: 10.910 min Scan# 1499
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



Tgt Ion:284 Resp: 164582
Ion Ratio Lower Upper
284 100
142 36.0 28.0 42.0
249 31.7 25.8 38.8





#69

Atrazine

Concen: 53.458 ng

RT: 11.004 min Scan# 1515

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

Tgt Ion:200 Resp: 165580

Ion Ratio Lower Upper

200 100

173 25.4 5.9 45.9

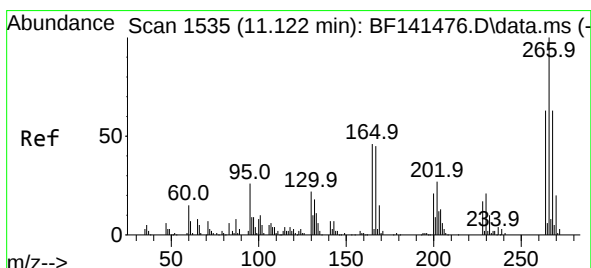
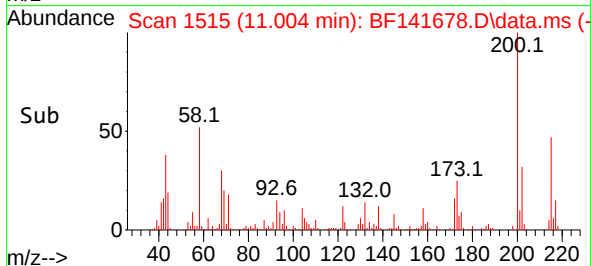
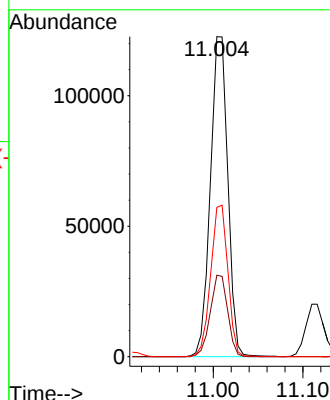
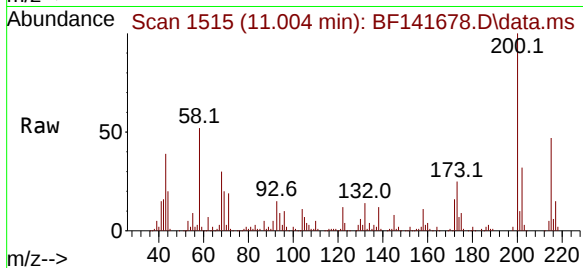
215 46.7 25.9 65.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#70

Pentachlorophenol

Concen: 67.490 ng

RT: 11.116 min Scan# 1534

Delta R.T. -0.012 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

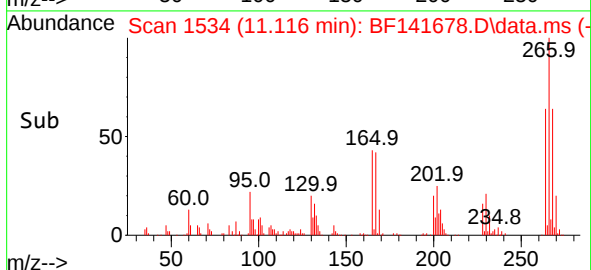
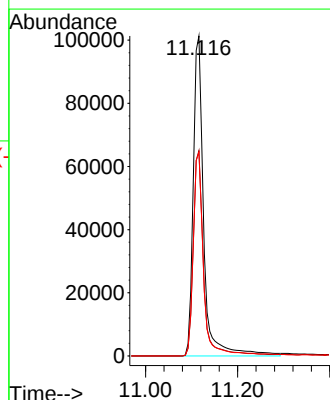
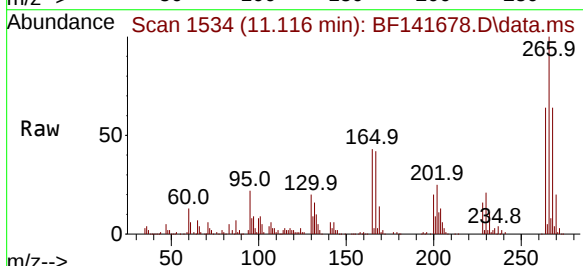
Tgt Ion:266 Resp: 160190

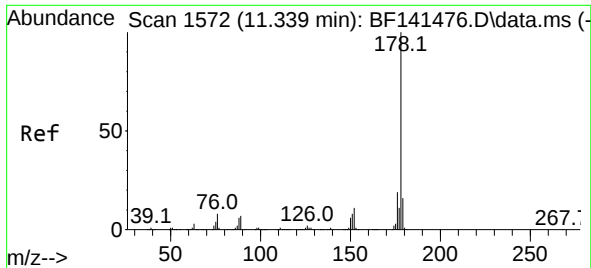
Ion Ratio Lower Upper

266 100

268 64.2 50.1 75.1

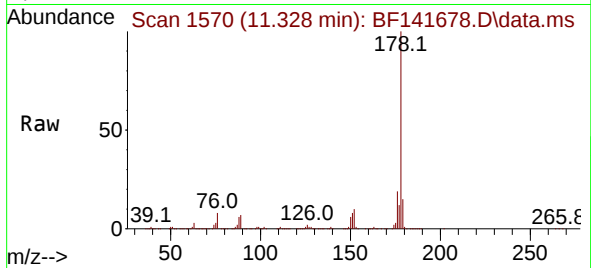
264 63.7 50.1 75.1





#71
Phenanthrene
Concen: 42.097 ng
RT: 11.328 min Scan# 1572
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

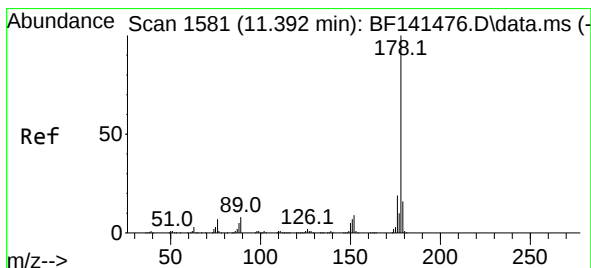
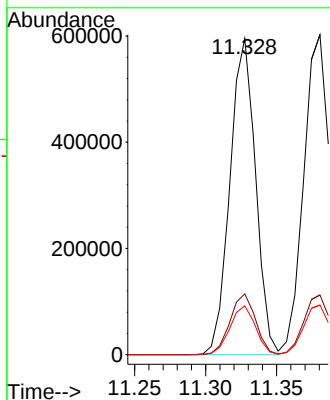
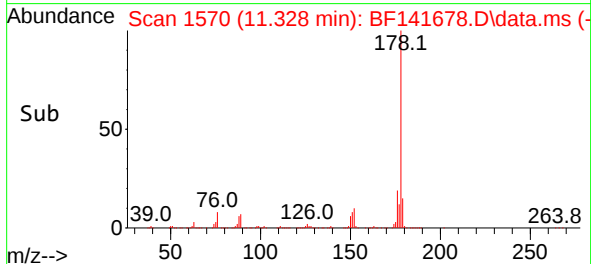
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



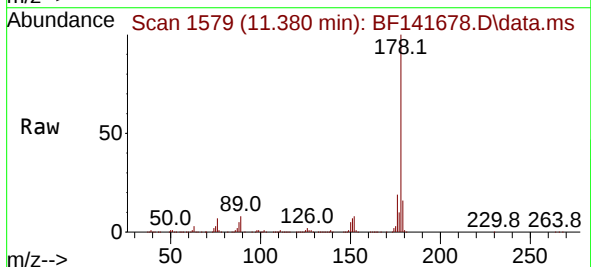
Tgt Ion:178 Resp: 747418
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.4 12.4 18.6

Manual Integrations
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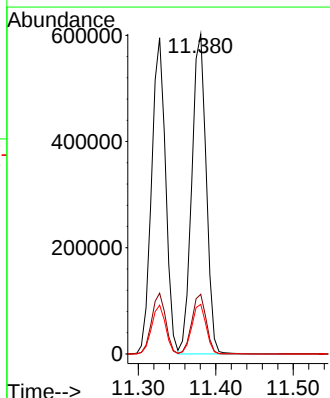
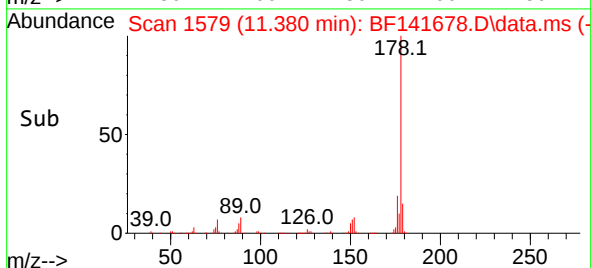
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

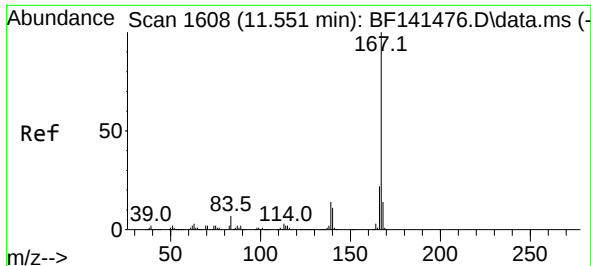


#72
Anthracene
Concen: 43.452 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



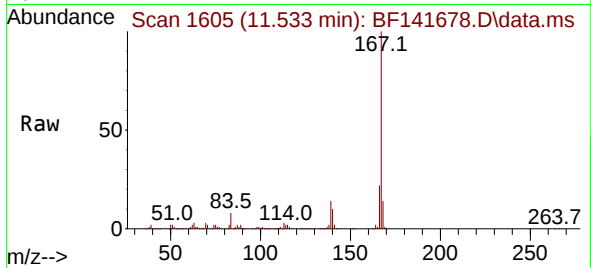
Tgt Ion:178 Resp: 775512
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 40.853 ng
 RT: 11.533 min Scan# 1605
 Delta R.T. -0.017 min
 Lab File: BF141678.D
 Acq: 19 Feb 2025 16:44

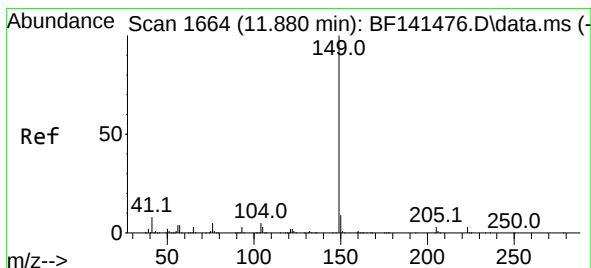
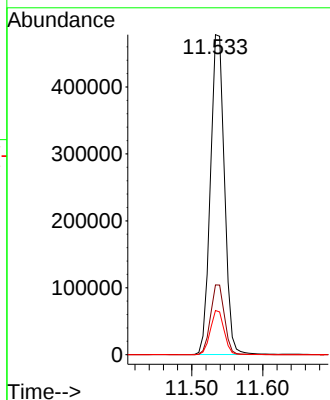
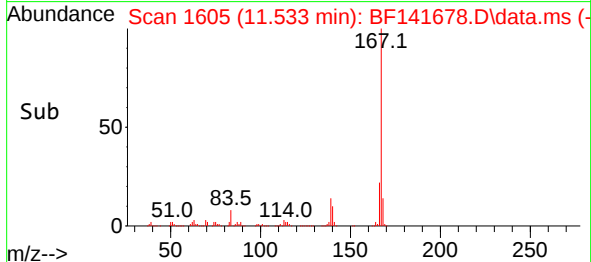
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725MSD



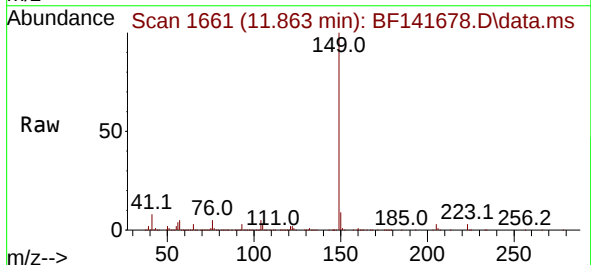
Tgt Ion:167 Resp: 656054
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.8 10.9 16.3

Manual Integrations
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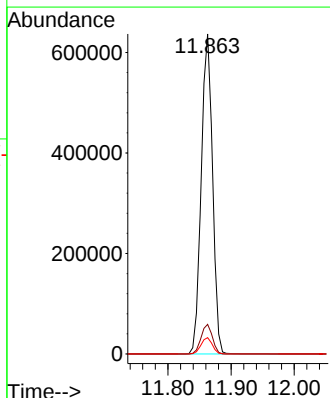
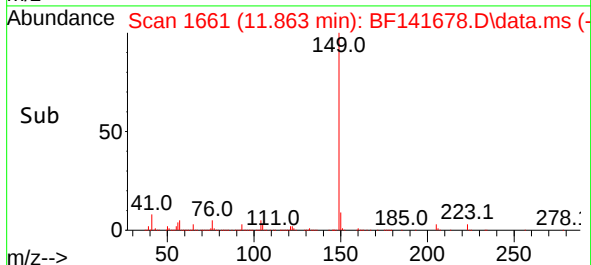
Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025

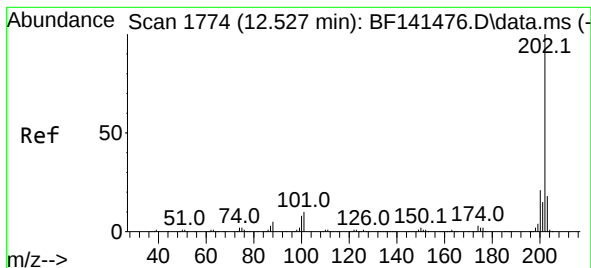


#74
 Di-n-butylphthalate
 Concen: 42.689 ng
 RT: 11.863 min Scan# 1661
 Delta R.T. -0.017 min
 Lab File: BF141678.D
 Acq: 19 Feb 2025 16:44



Tgt Ion:149 Resp: 791583
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 38.937 ng

RT: 12.516 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

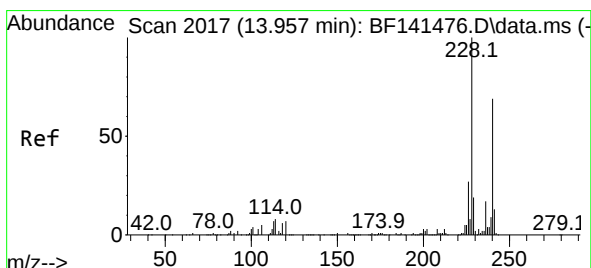
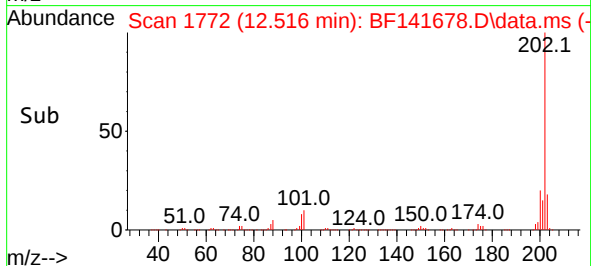
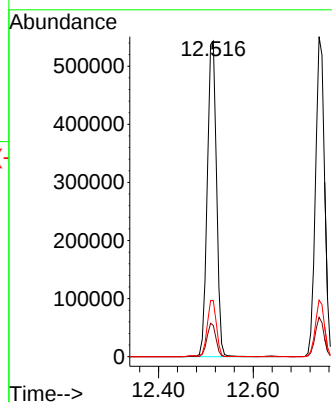
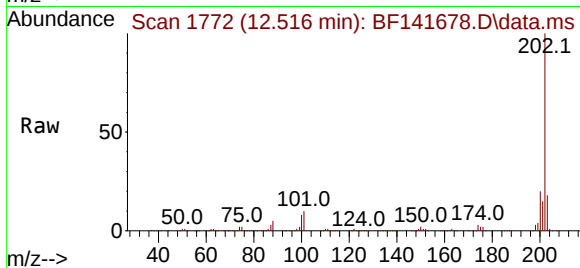
Tgt Ion:202 Resp: 73291

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.2
203	17.7	0.0	37.6

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

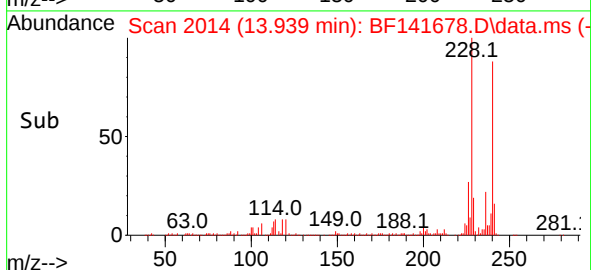
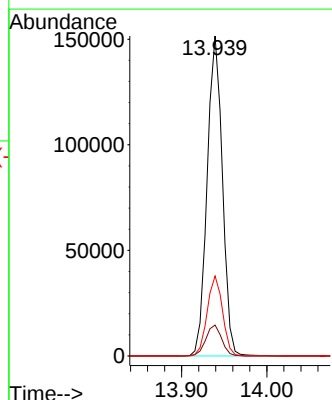
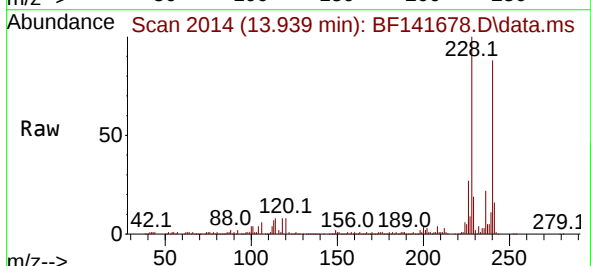
Delta R.T. -0.023 min

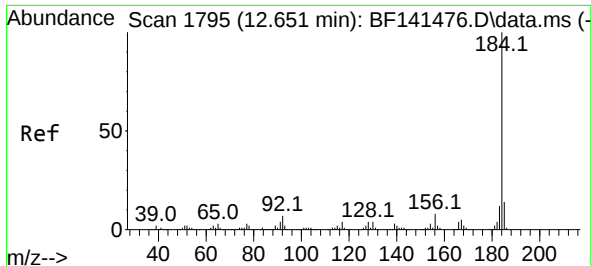
Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion:240 Resp: 188657

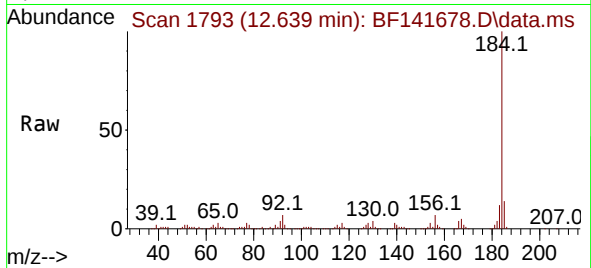
Ion	Ratio	Lower	Upper
240	100		
120	9.6	8.0	12.0
236	25.0	19.8	29.8





#77
Benzidine
Concen: 58.139 ng
RT: 12.639 min Scan# 1795
Delta R.T. -0.017 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

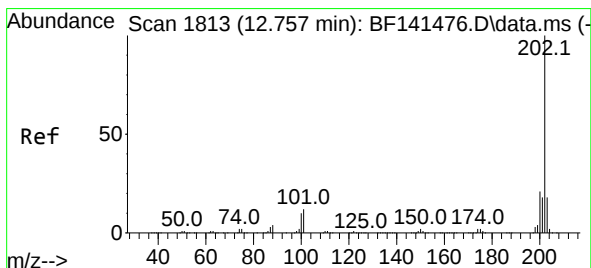
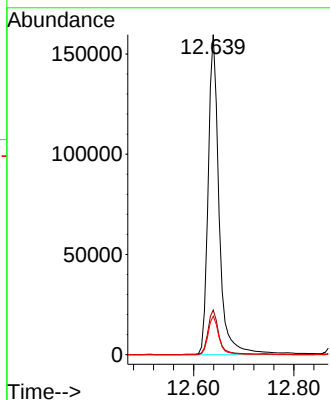
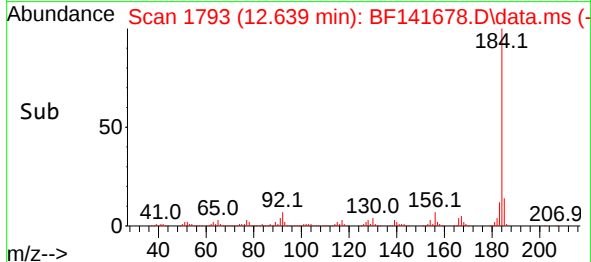
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



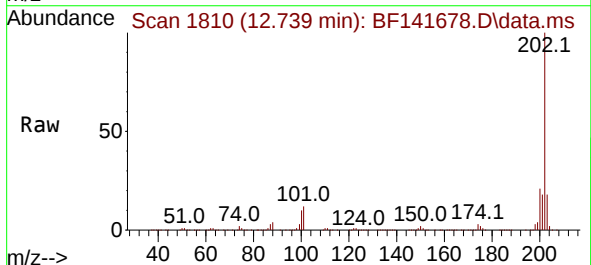
Tgt Ion:184 Resp: 241899
Ion Ratio Lower Upper
184 100
185 14.0 11.3 16.9
183 12.1 9.3 13.9

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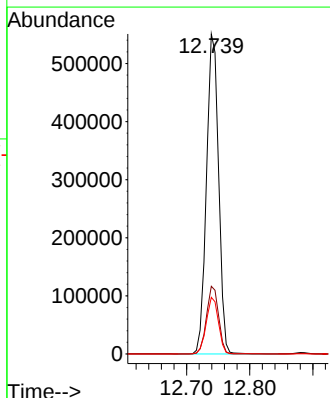
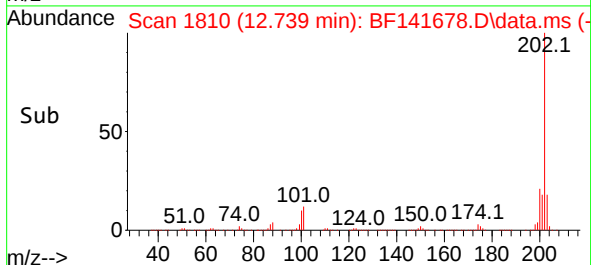
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#78
Pyrene
Concen: 45.650 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



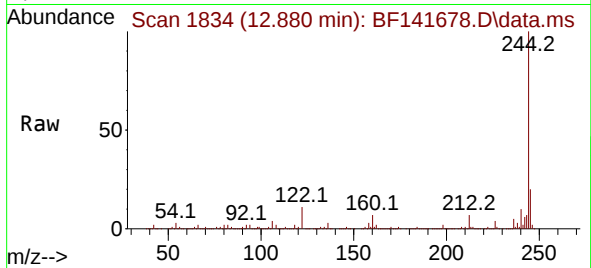
Tgt Ion:202 Resp: 733128
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 74.978 ng
 RT: 12.880 min Scan# 1834
 Delta R.T. -0.023 min
 Lab File: BF141678.D
 Acq: 19 Feb 2025 16:44

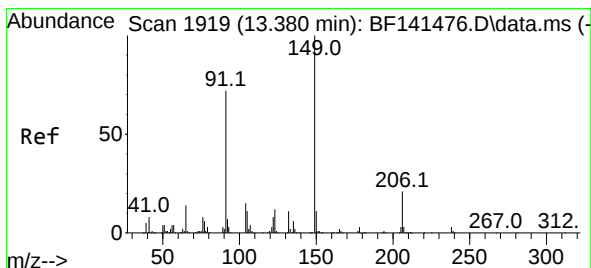
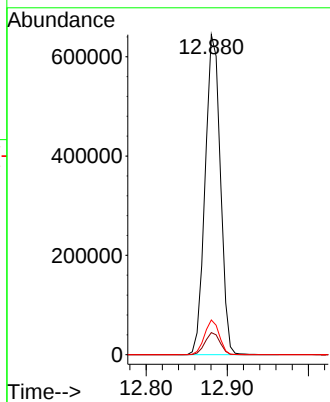
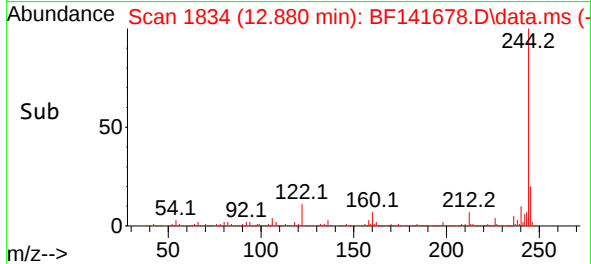
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725MSD



Tgt Ion:244 Resp: 83789
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.9 8.4 12.6

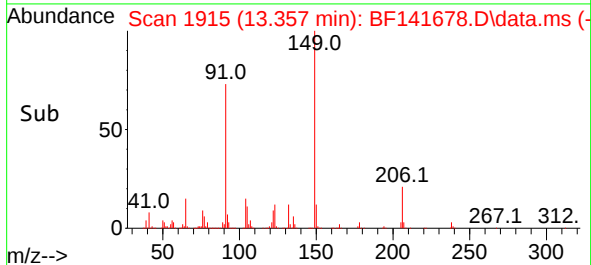
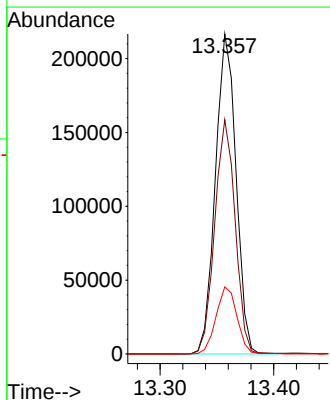
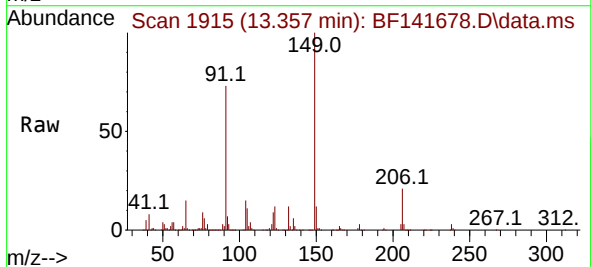
Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#80
 Butylbenzylphthalate
 Concen: 49.263 ng
 RT: 13.357 min Scan# 1915
 Delta R.T. -0.023 min
 Lab File: BF141678.D
 Acq: 19 Feb 2025 16:44

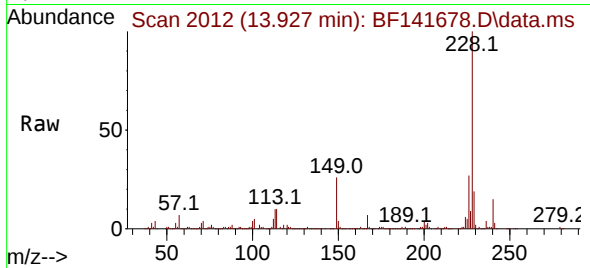
Tgt Ion:149 Resp: 274032
 Ion Ratio Lower Upper
 149 100
 91 73.2 57.8 86.8
 206 21.0 16.7 25.1





#81
Benzo(a)anthracene
Concen: 40.880 ng
RT: 13.927 min Scan# 2015
Delta R.T. -0.023 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

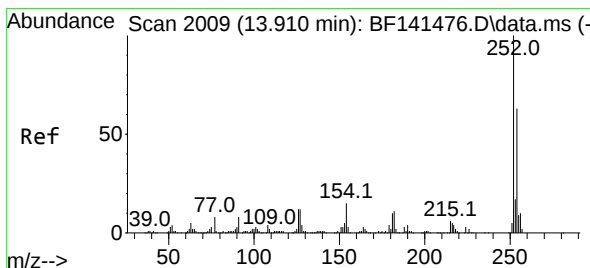
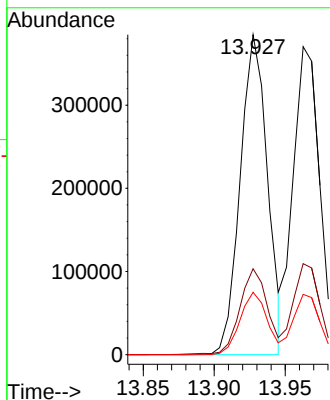
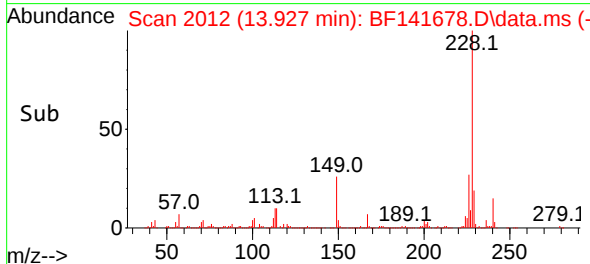
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



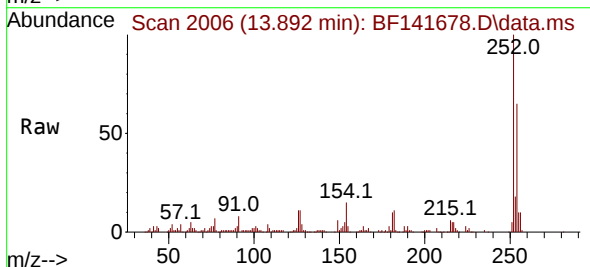
Tgt Ion:228 Resp: 512669
Ion Ratio Lower Upper
228 100
226 26.8 21.8 32.8
229 19.5 15.8 23.6

Manual Integrations
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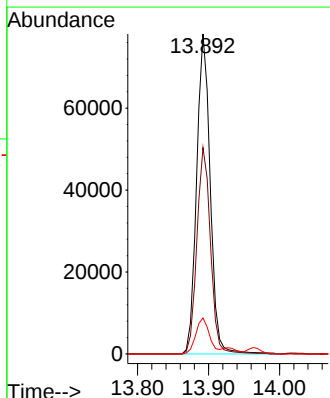
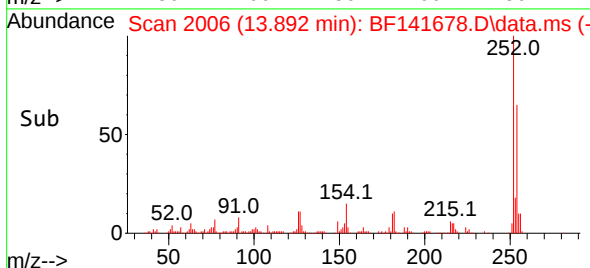
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025

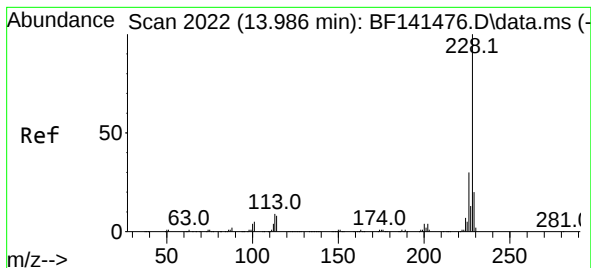


#82
3,3'-Dichlorobenzidine
Concen: 29.039 ng
RT: 13.892 min Scan# 2006
Delta R.T. -0.023 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



Tgt Ion:252 Resp: 104317
Ion Ratio Lower Upper
252 100
254 64.5 50.6 76.0
126 11.3 9.3 13.9





#83

Chrysene

Concen: 41.587 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.029 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

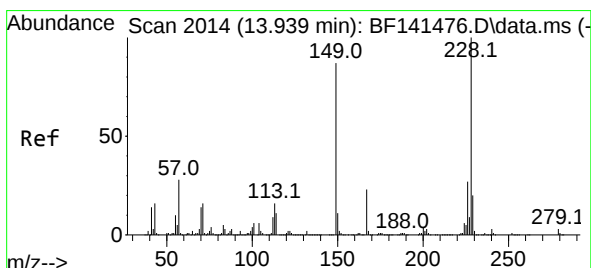
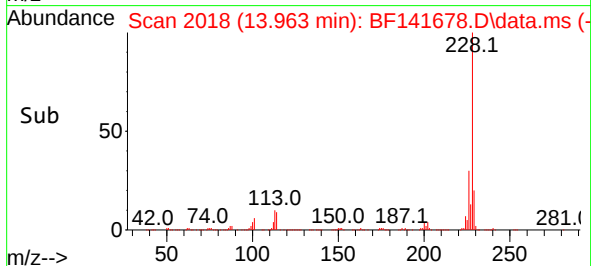
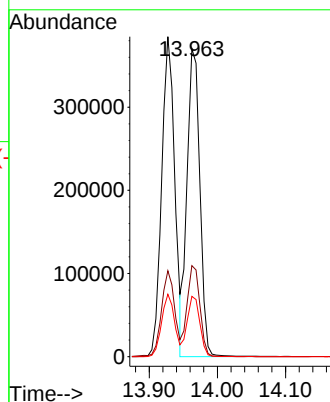
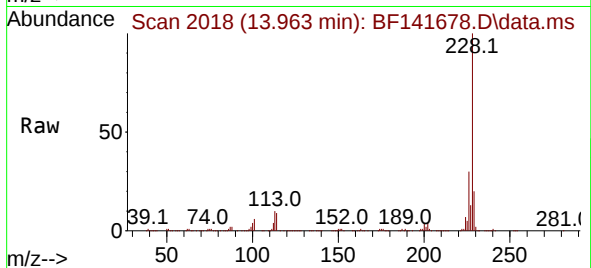
OU4-PCS-TC-03-021725MSD

Tgt Ion:228 Resp: 481550
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.0 36.0
 229 19.6 15.7 23.5

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025
 Supervised By :Jagrut Upadhyay 02/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.055 ng

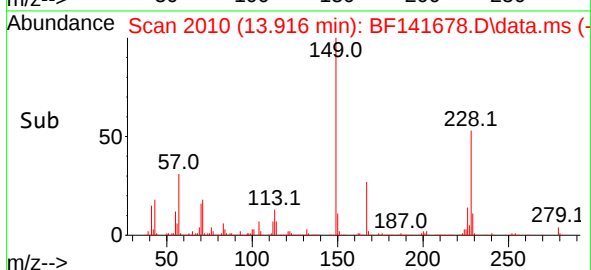
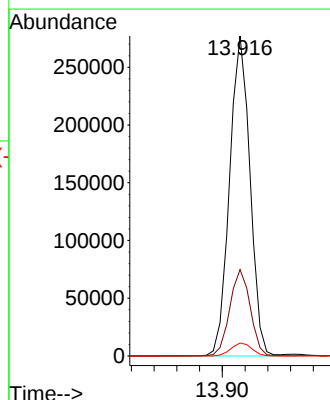
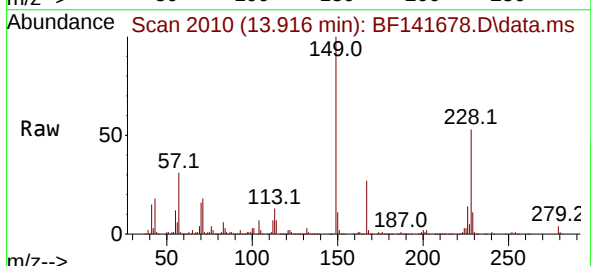
RT: 13.916 min Scan# 2010

Delta R.T. -0.023 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Tgt Ion:149 Resp: 345406
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.4 32.0
 279 4.0 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 53.699 ng

RT: 14.527 min Scan# 2114

Delta R.T. -0.035 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725MSD

Tgt Ion:149 Resp: 480614

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

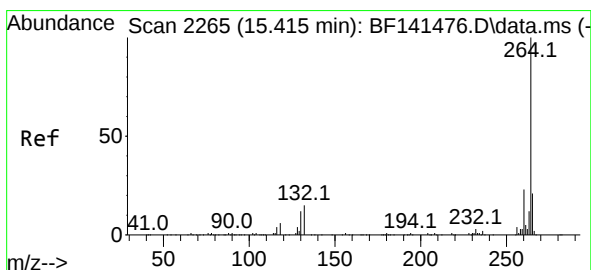
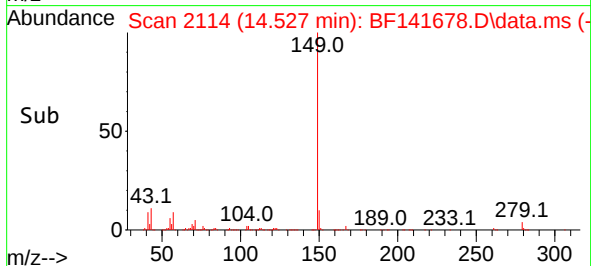
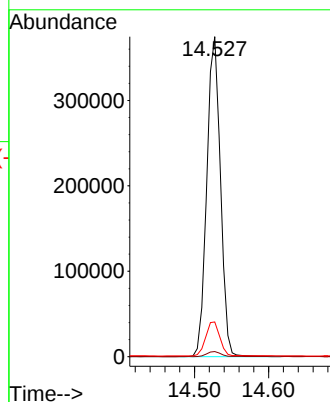
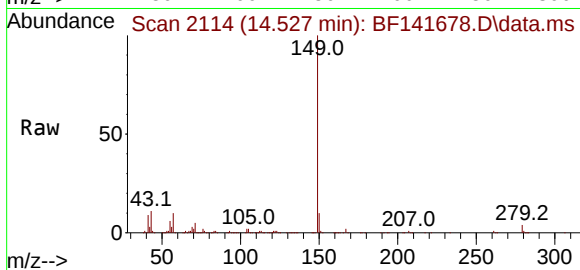
43 11.0 9.5 14.3

Manual Integrations

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Reviewed By :Anahy Claudio 02/20/2025

Supervised By :Jagrut Upadhyay 02/20/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.035 min

Lab File: BF141678.D

Acq: 19 Feb 2025 16:44

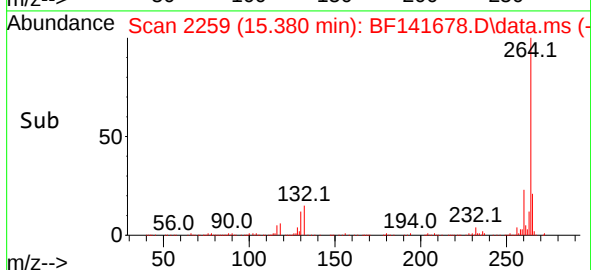
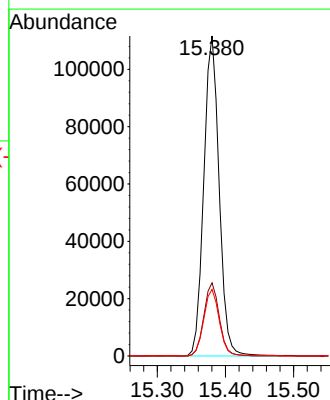
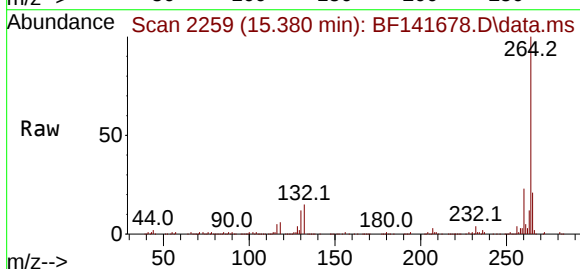
Tgt Ion:264 Resp: 174682

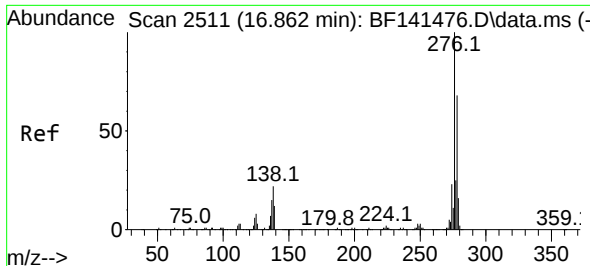
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

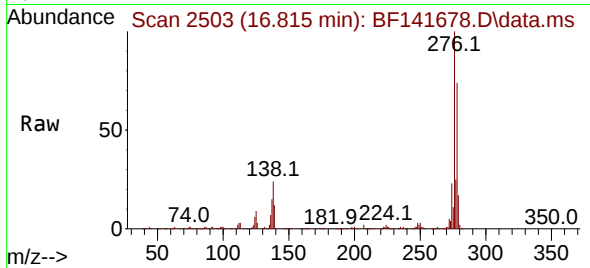
265 20.8 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.501 ng
RT: 16.815 min Scan# 2188
Delta R.T. -0.059 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

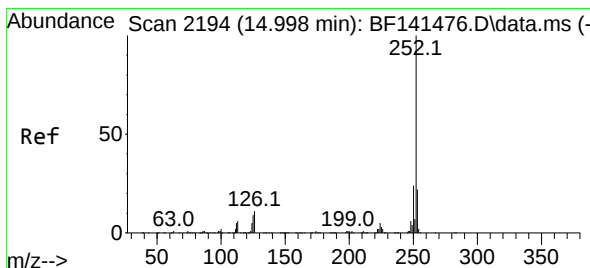
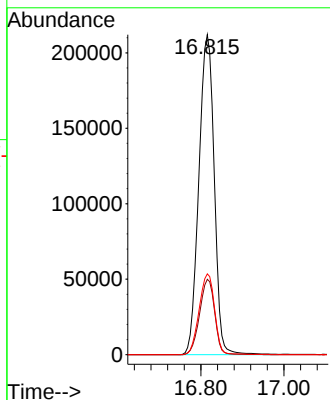
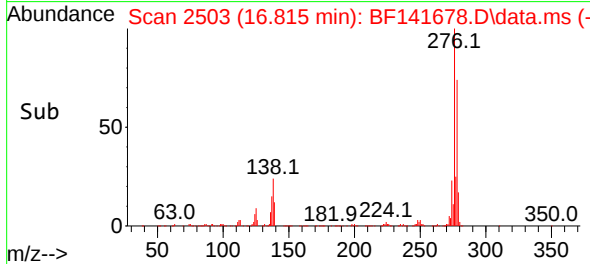
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:276 Resp: 545079
Ion Ratio Lower Upper
276 100
138 23.0 18.0 27.0
277 25.5 20.4 30.6

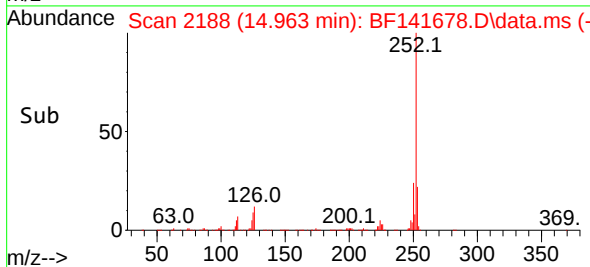
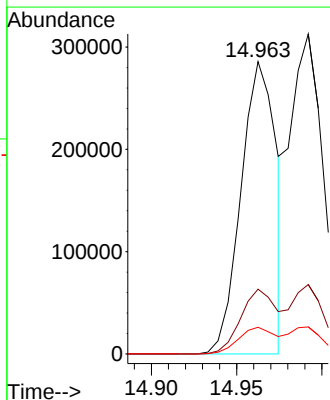
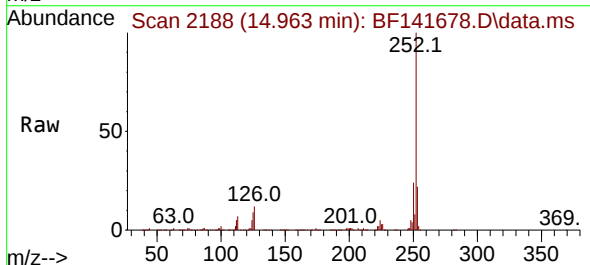
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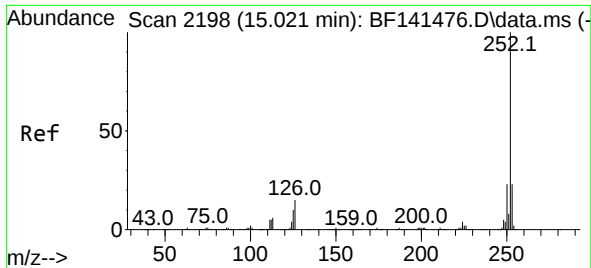
Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#88
Benzo(b)fluoranthene
Concen: 34.925 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

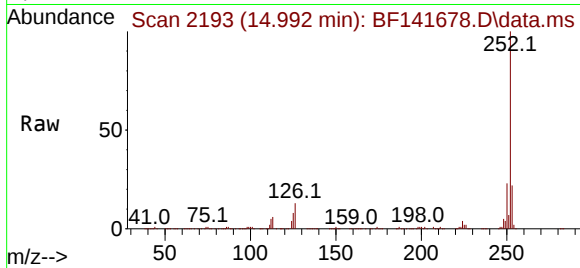
Tgt Ion:252 Resp: 409636
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 9.2 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 42.768 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

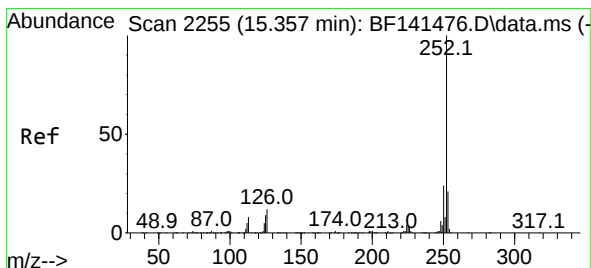
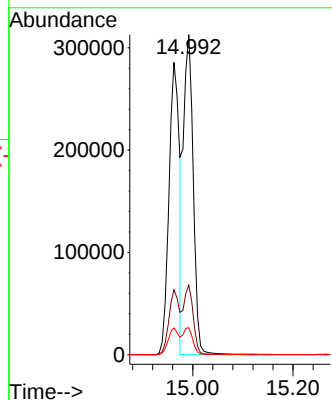
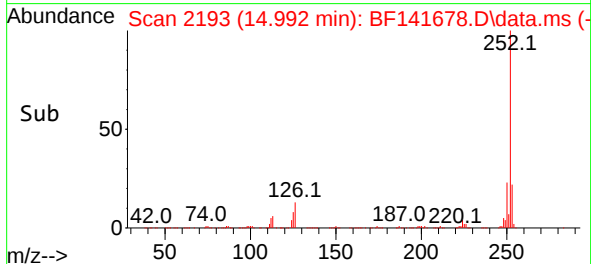
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



Tgt Ion:252 Resp: 428348
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 8.5 7.4 11.0

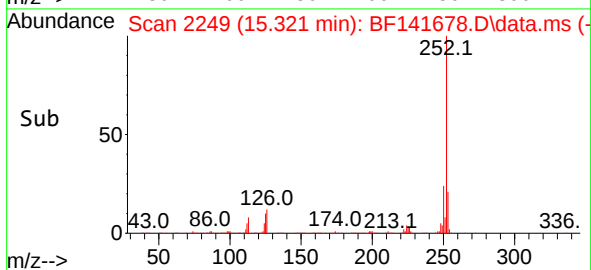
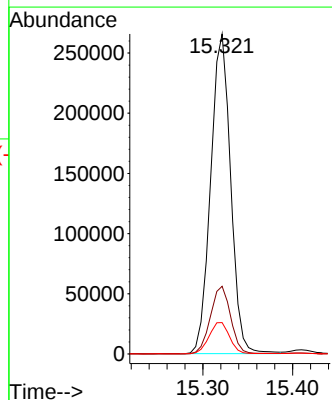
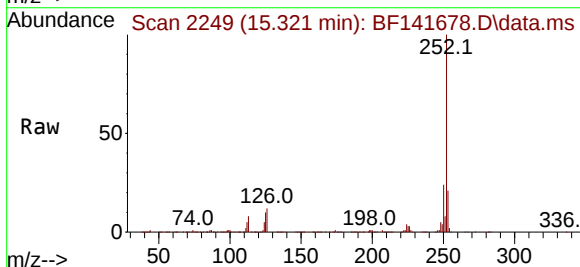
Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#90
Benzo(a)pyrene
Concen: 43.288 ng
RT: 15.321 min Scan# 2249
Delta R.T. -0.041 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

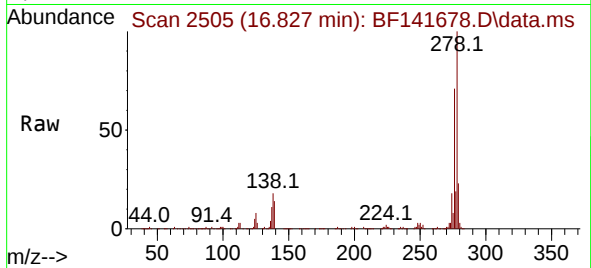
Tgt Ion:252 Resp: 410838
Ion Ratio Lower Upper
252 100
253 21.2 17.1 25.7
125 9.8 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 50.434 ng
RT: 16.827 min Scan# 2505
Delta R.T. -0.065 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44

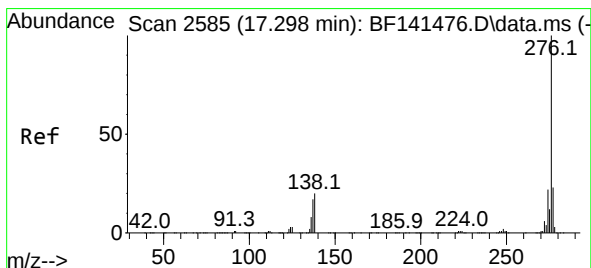
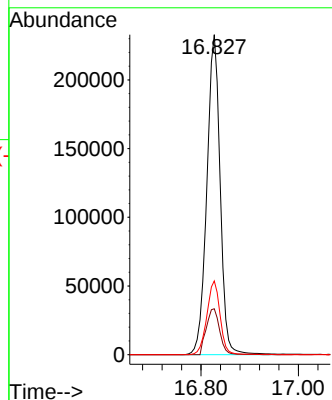
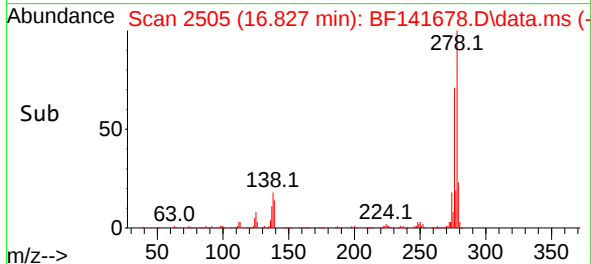
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725MSD



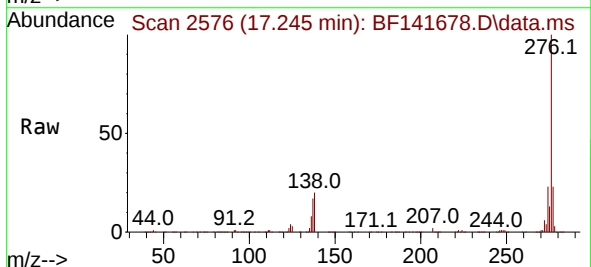
Tgt Ion:278 Resp: 44108
Ion Ratio Lower Upper
278 100
139 14.4 11.8 17.6
279 23.0 19.1 28.7

Manual Integrations
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Reviewed By :Anahy Claudio 02/20/2025
Supervised By :Jagrut Upadhyay 02/20/2025



#92
Benzo(g,h,i)perylene
Concen: 47.160 ng
RT: 17.245 min Scan# 2576
Delta R.T. -0.070 min
Lab File: BF141678.D
Acq: 19 Feb 2025 16:44



Tgt Ion:276 Resp: 431612
Ion Ratio Lower Upper
276 100
277 23.1 18.6 28.0
138 20.2 15.9 23.9

