

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142922.D
 Acq On : 30 Jun 2025 18:43
 Operator : RC/JU
 Sample : Q2430-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

Quant Time: Jul 01 01:23:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69029	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	260392	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	136177	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	223120	20.000	ng	0.00
76) Chrysene-d12	14.051	240	130553	20.000	ng	0.00
86) Perylene-d12	15.545	264	155370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	370492	89.360	ng	0.00
7) Phenol-d6	6.504	99	440097	89.971	ng	0.00
23) Nitrobenzene-d5	7.440	82	269098	56.685	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	131278	93.679	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	577161	55.678	ng	-0.01
79) Terphenyl-d14	12.992	244	505216	53.469	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	61188	36.897	ng	99
3) Pyridine	3.452	79	160965	38.718	ng	98
4) n-Nitrosodimethylamine	3.405	42	89864	41.800	ng	99
6) Aniline	6.534	93	180021	27.659	ng	# 80
8) 2-Chlorophenol	6.657	128	195551	43.724	ng	98
9) Benzaldehyde	6.422	77	82944	28.581	ng	99
10) Phenol	6.522	94	224920	41.366	ng	93
11) bis(2-Chloroethyl)ether	6.610	93	167705	43.155	ng	98
12) 1,3-Dichlorobenzene	6.816	146	211593	42.303	ng	100
13) 1,4-Dichlorobenzene	6.893	146	216732	42.947	ng	99
14) 1,2-Dichlorobenzene	7.046	146	208272	43.512	ng	100
15) Benzyl Alcohol	7.016	79	154524	43.697	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	252038	40.367	ng	89
17) 2-Methylphenol	7.128	107	146010	43.080	ng	98
18) Hexachloroethane	7.387	117	77542	43.930	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	124595	43.795	ng	97
20) 3+4-Methylphenols	7.281	107	185984	44.011	ng	94
22) Acetophenone	7.281	105	254768	44.368	ng	98
24) Nitrobenzene	7.457	77	185046	43.067	ng	99
25) Isophorone	7.698	82	328702	43.163	ng	99
26) 2-Nitrophenol	7.775	139	106824	45.639	ng	99
27) 2,4-Dimethylphenol	7.810	122	173917	42.897	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	210122	43.400	ng	99
29) 2,4-Dichlorophenol	8.016	162	160870	43.760	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	176293	43.612	ng	99
31) Naphthalene	8.181	128	550826	43.216	ng	99
32) Benzoic acid	7.928	122	79245	38.348	ng	100
33) 4-Chloroaniline	8.228	127	78285	15.105	ng	99
34) Hexachlorobutadiene	8.293	225	107799	43.597	ng	99
35) Caprolactam	8.598	113	46482	47.917	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	161367	44.168	ng	98
37) 2-Methylnaphthalene	8.869	142	343085	43.418	ng	99
38) 1-Methylnaphthalene	8.969	142	355644	43.478	ng	100
40) 1,2,4,5-Tetrachloroben...	9.040	216	175858	43.766	ng	99
41) Hexachlorocyclopentadiene	9.022	237	184655	80.981	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	112230	42.863	ng	100

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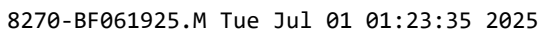
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	116734	42.353	ng	98
46) 1,1'-Biphenyl	9.340	154	471999	43.877	ng	100
47) 2-Chloronaphthalene	9.363	162	348294	43.146	ng	100
48) 2-Nitroaniline	9.457	65	99686	44.047	ng	99
49) Acenaphthylene	9.781	152	575988	43.343	ng	100
50) Dimethylphthalate	9.639	163	399236	45.292	ng	100
51) 2,6-Dinitrotoluene	9.704	165	88111	45.516	ng	95
52) Acenaphthene	9.951	154	372582	45.952	ng	99
53) 3-Nitroaniline	9.869	138	52145	24.466	ng	98
54) 2,4-Dinitrophenol	9.981	184	64050	66.079	ng	99
55) Dibenzofuran	10.122	168	500815	43.075	ng	99
56) 4-Nitrophenol	10.039	139	122356	83.856	ng	97
57) 2,4-Dinitrotoluene	10.110	165	116615	45.352	ng	95
58) Fluorene	10.469	166	398241	43.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	95423	42.951	ng	97
60) Diethylphthalate	10.339	149	407136	47.107	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	190334	43.927	ng	99
62) 4-Nitroaniline	10.486	138	85223	43.721	ng	98
63) Azobenzene	10.616	77	359391	46.526	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	55973	41.474	ng	97
66) n-Nitrosodiphenylamine	10.575	169	341361	44.145	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	113116	44.546	ng	96
68) Hexachlorobenzene	11.016	284	125535	44.491	ng	99
69) Atrazine	11.104	200	104911	52.538	ng	100
70) Pentachlorophenol	11.210	266	113384	80.643	ng	99
71) Phenanthrene	11.433	178	536432	44.383	ng	100
72) Anthracene	11.481	178	546217	44.065	ng	99
73) Carbazole	11.639	167	471711	44.097	ng	100
74) Di-n-butylphthalate	11.963	149	594954	53.390	ng	100
75) Fluoranthene	12.622	202	511971	44.633	ng	99
77) Benzidine	12.739	184	107520	21.920	ng	99
78) Pyrene	12.851	202	513149	41.933	ng	99
80) Butylbenzylphthalate	13.463	149	193223	54.434	ng	99
81) Benzo(a)anthracene	14.039	228	380347	43.186	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	42802	14.983	ng	100
83) Chrysene	14.080	228	358185	45.577	ng	100
84) Bis(2-ethylhexyl)phtha...	14.022	149	261938	51.288	ng	100
85) Di-n-octyl phthalate	14.639	149	431716	44.829	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	478743	40.454	ng	99
88) Benzo(b)fluoranthene	15.104	252	425666	47.347	ng	100
89) Benzo(k)fluoranthene	15.133	252	352185	41.871	ng	99
90) Benzo(a)pyrene	15.480	252	390663	44.980	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	388256	40.378	ng	98
92) Benzo(g,h,i)perylene	17.515	276	378974	39.524	ng	98

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

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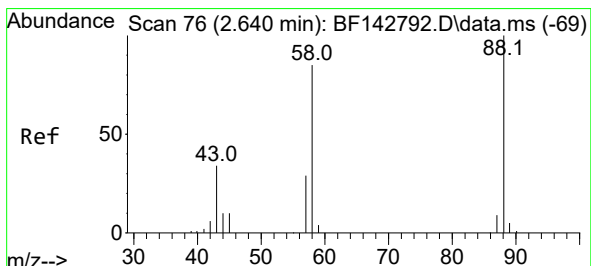
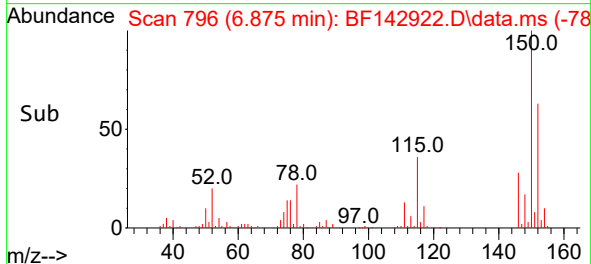
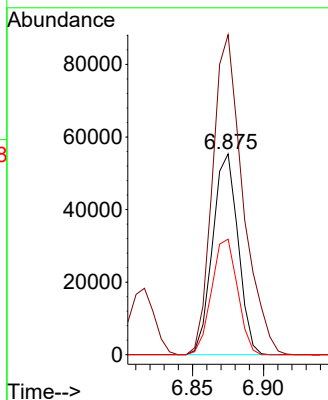
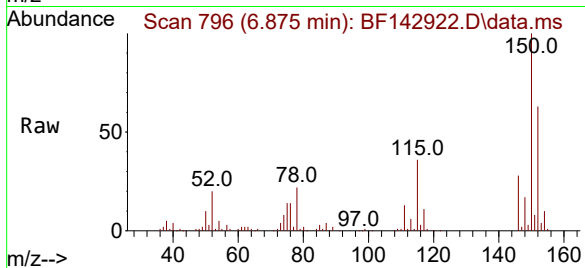




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

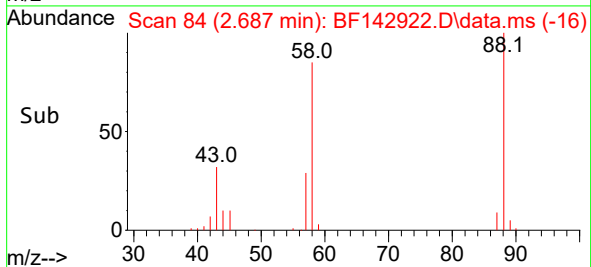
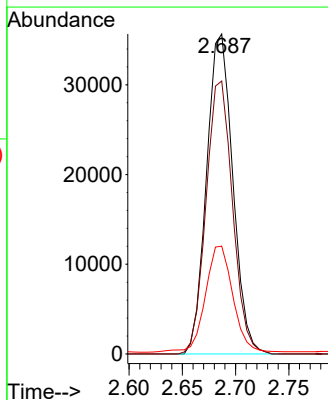
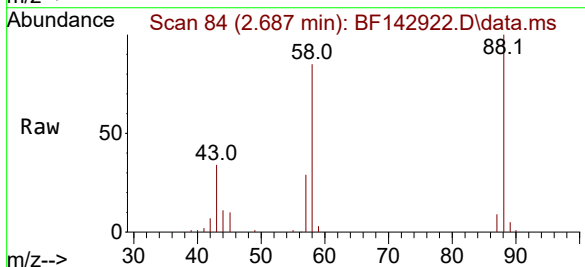
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Tgt Ion:152 Resp: 69029
 Ion Ratio Lower Upper
 152 100
 150 159.3 127.2 190.8
 115 57.5 46.6 69.8



#2
 1,4-Dioxane
 Concen: 36.897 ng
 RT: 2.687 min Scan# 84
 Delta R.T. 0.047 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

Tgt Ion: 88 Resp: 61188
 Ion Ratio Lower Upper
 88 100
 58 86.1 69.1 103.7
 43 34.9 27.4 41.2

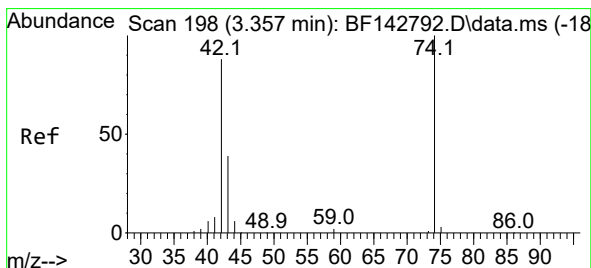
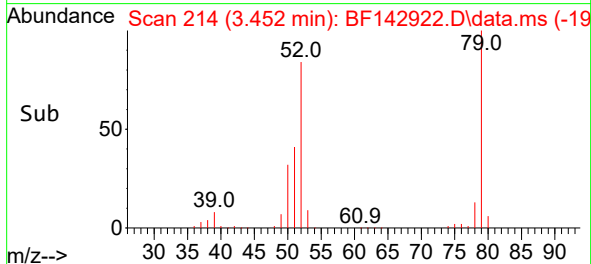
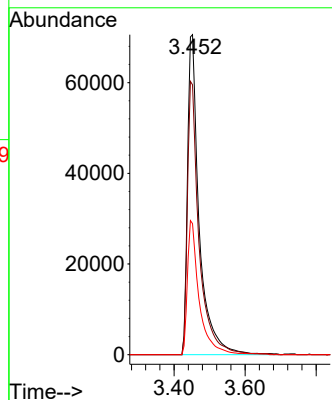
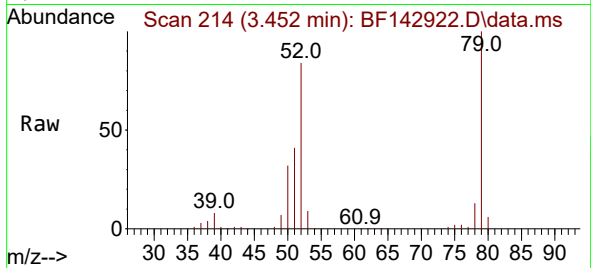




#3
Pyridine
Concen: 38.718 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

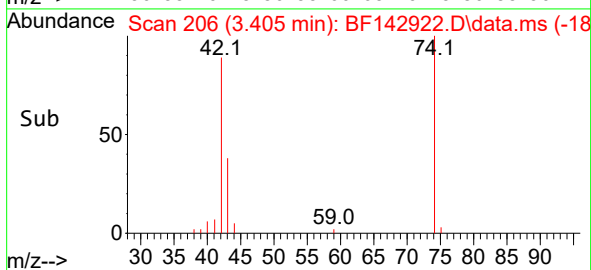
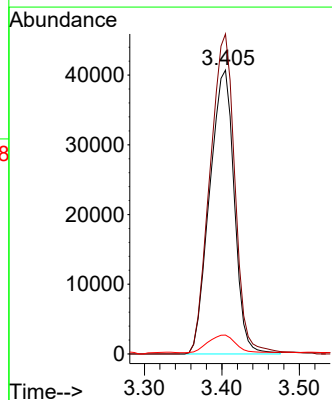
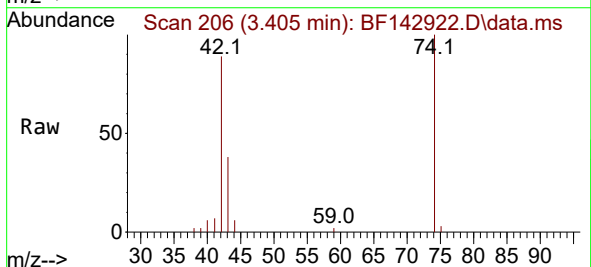
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ClientSampleId :
MH-E/FMSD

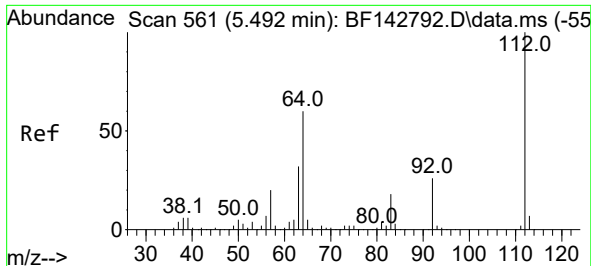
Tgt Ion: 79 Resp: 160965
Ion Ratio Lower Upper
79 100
52 84.4 69.2 103.8
51 41.0 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 41.800 ng
RT: 3.405 min Scan# 206
Delta R.T. 0.047 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion: 42 Resp: 89864
Ion Ratio Lower Upper
42 100
74 112.8 90.9 136.3
44 6.6 5.8 8.6

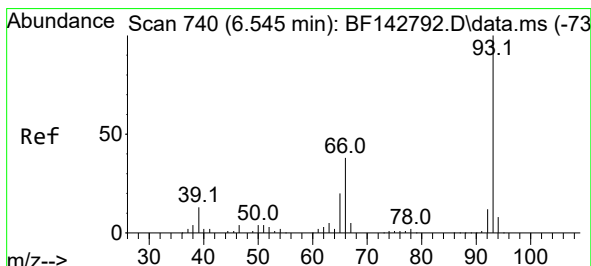
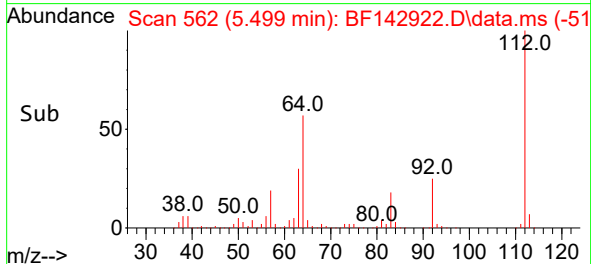
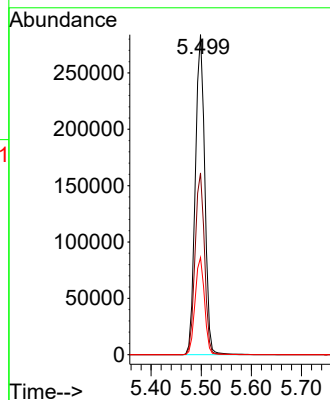
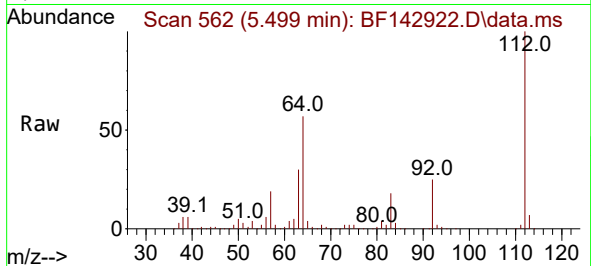




#5
2-Fluorophenol
Concen: 89.360 ng
RT: 5.499 min Scan# 501
Delta R.T. 0.007 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

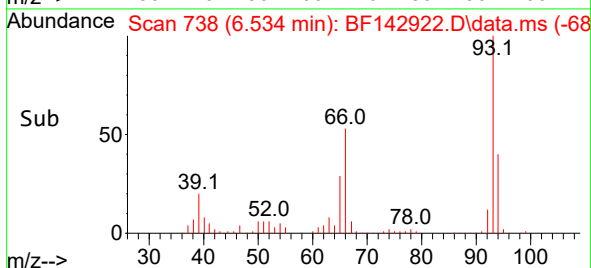
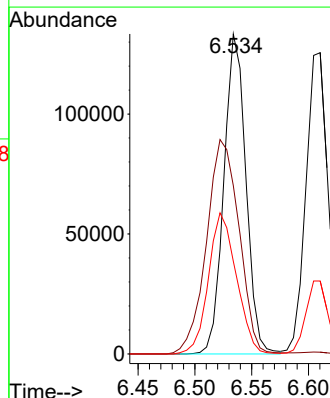
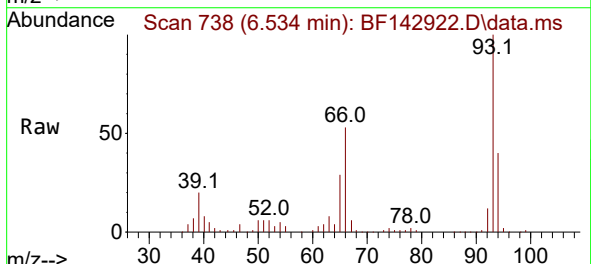
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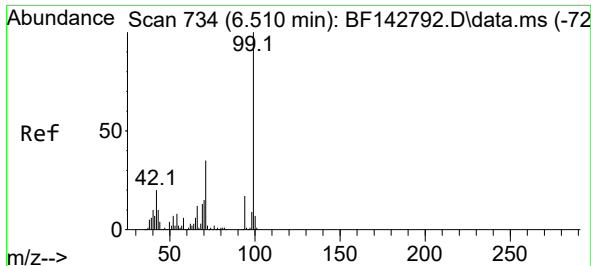
Tgt Ion:112 Resp: 370492
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.3 25.7 38.5



#6
Aniline
Concen: 27.659 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion: 93 Resp: 180021
Ion Ratio Lower Upper
93 100
66 52.6 31.8 47.6#
65 29.0 16.2 24.2#

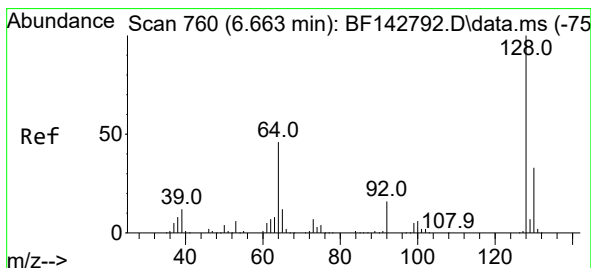
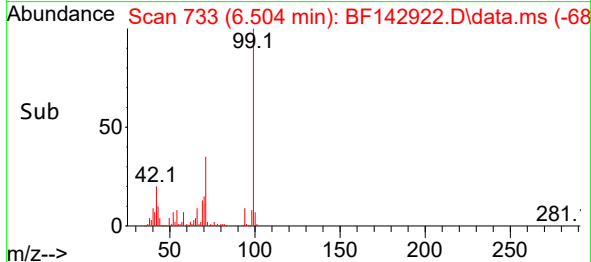
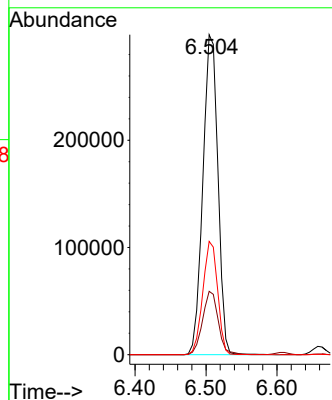
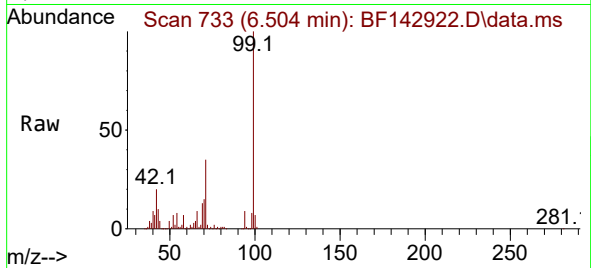




#7
Phenol-d6
Concen: 89.971 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

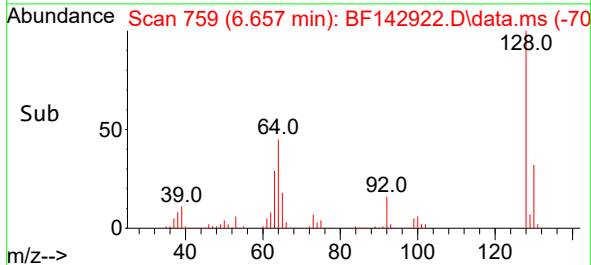
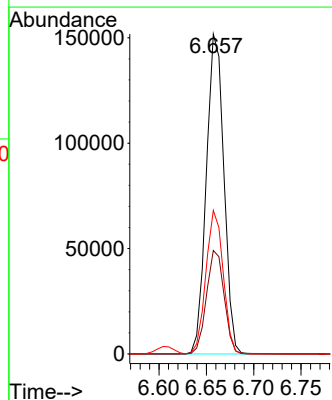
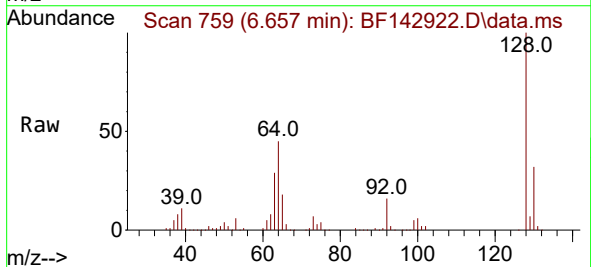
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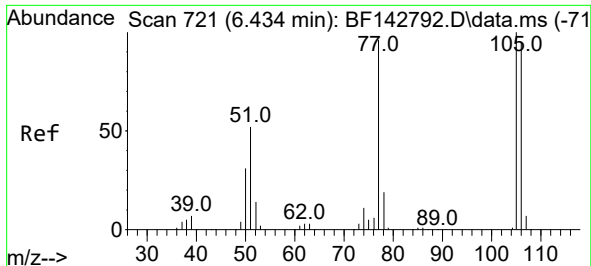
Tgt Ion: 99 Resp: 440097
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.4 27.8 41.8



#8
2-Chlorophenol
Concen: 43.724 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
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Tgt Ion:128 Resp: 195551
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 44.8 26.5 66.5

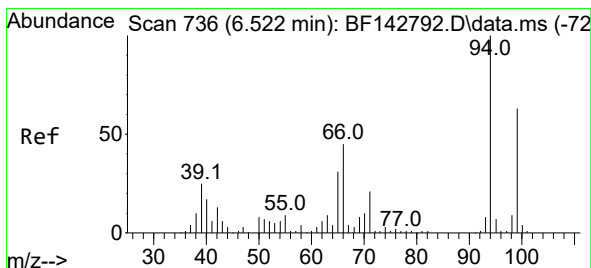
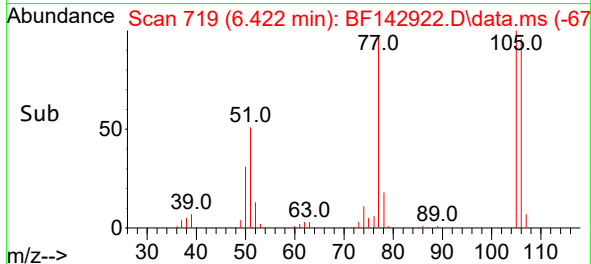
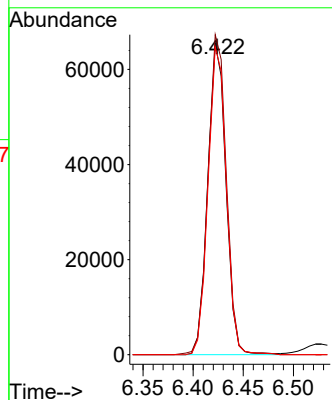
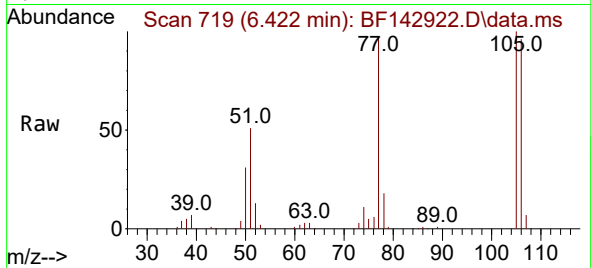




#9
Benzaldehyde
Concen: 28.581 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

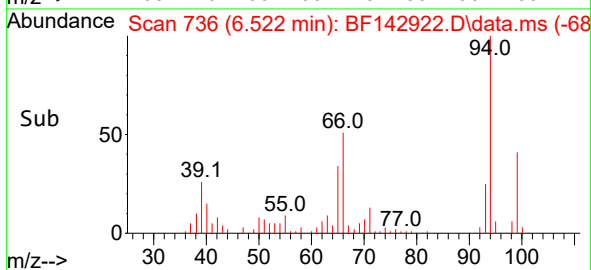
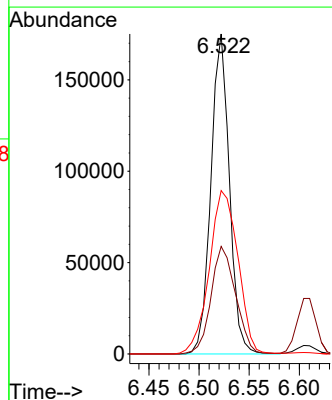
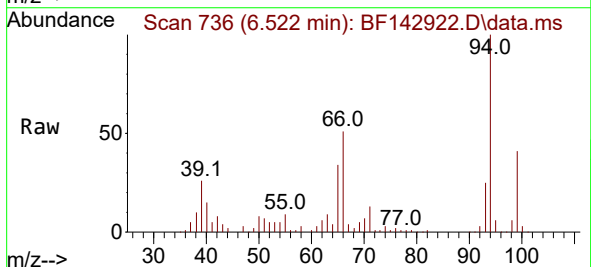
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Tgt Ion: 77 Resp: 82944
Ion Ratio Lower Upper
77 100
105 102.8 83.8 123.8
106 98.9 78.7 118.7



#10
Phenol
Concen: 41.366 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142922.D
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Tgt Ion: 94 Resp: 224920
Ion Ratio Lower Upper
94 100
65 33.6 11.3 51.3
66 51.1 24.9 64.9

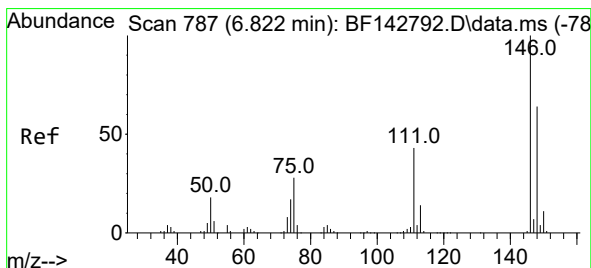
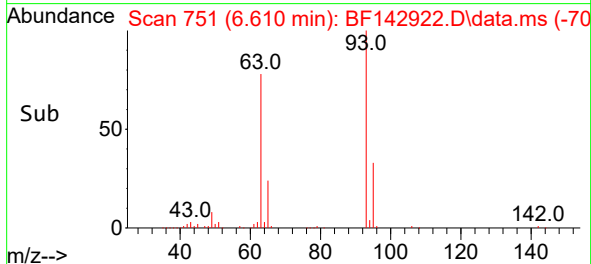
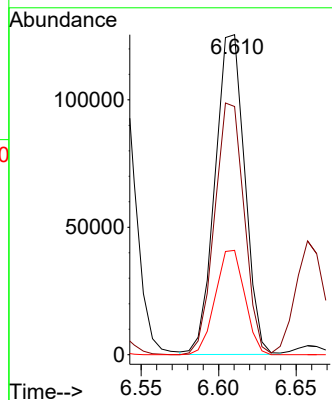
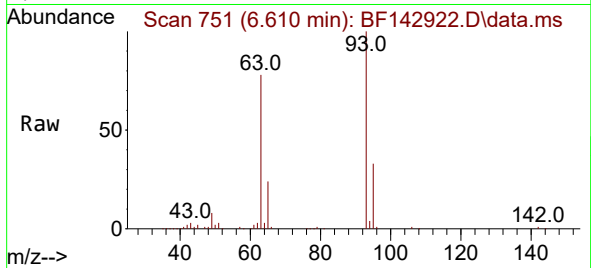




#11
bis(2-Chloroethyl)ether
Concen: 43.155 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

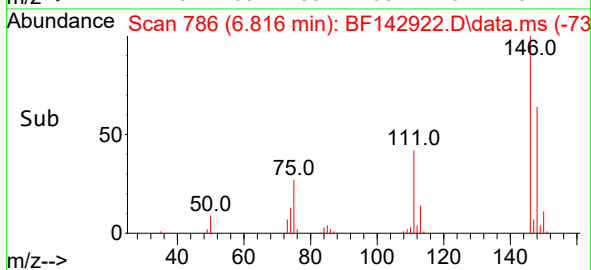
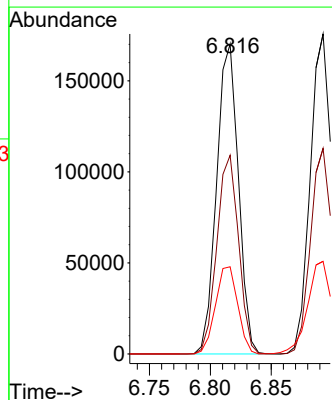
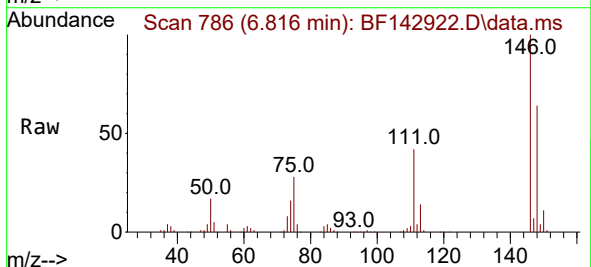
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

Tgt Ion: 93 Resp: 167705
Ion Ratio Lower Upper
93 100
63 77.6 60.3 100.3
95 32.6 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.303 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion: 146 Resp: 211593
Ion Ratio Lower Upper
146 100
148 64.1 51.1 76.7
75 28.1 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 42.947 ng

RT: 6.893 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

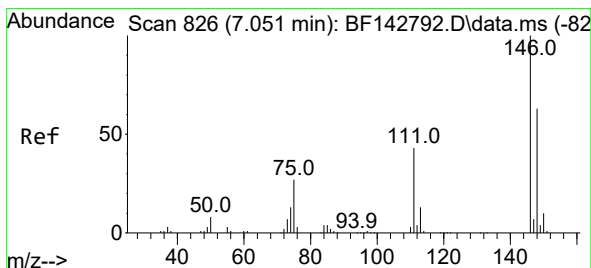
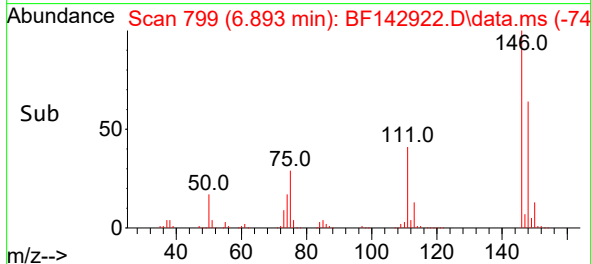
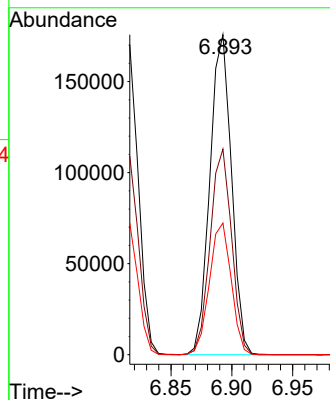
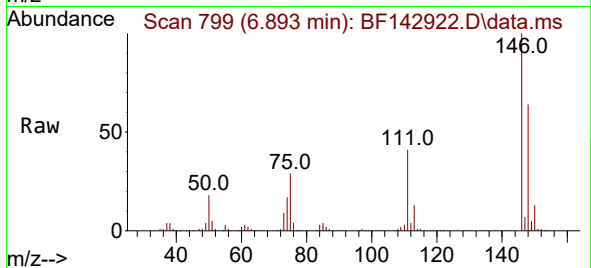
Tgt Ion:146 Resp: 216732

Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

111 41.1 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 43.512 ng

RT: 7.046 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

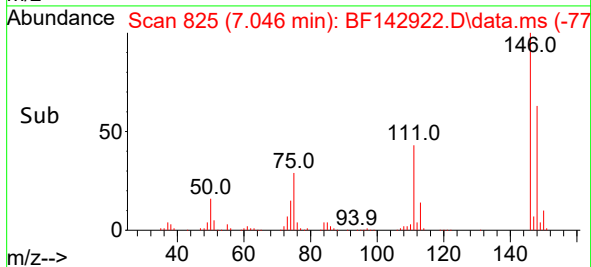
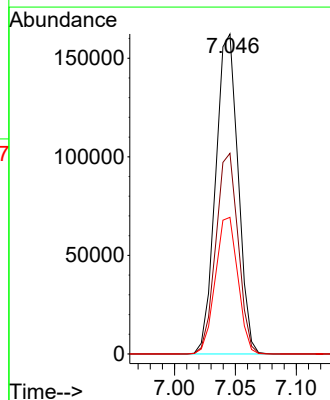
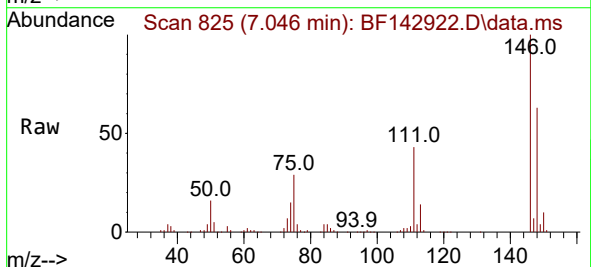
Tgt Ion:146 Resp: 208272

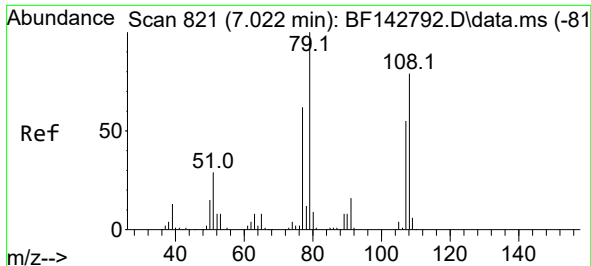
Ion Ratio Lower Upper

146 100

148 62.7 50.4 75.6

111 42.7 34.1 51.1

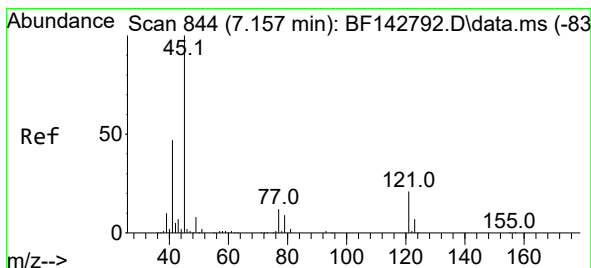
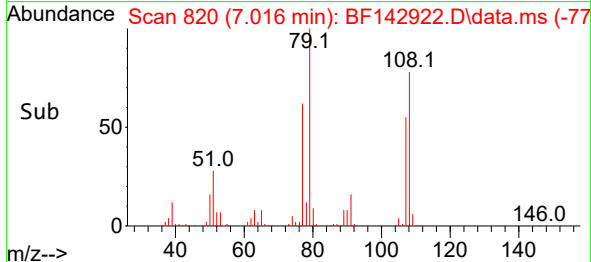
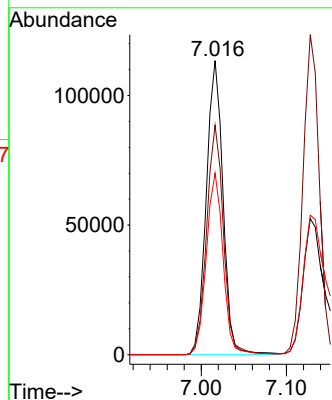
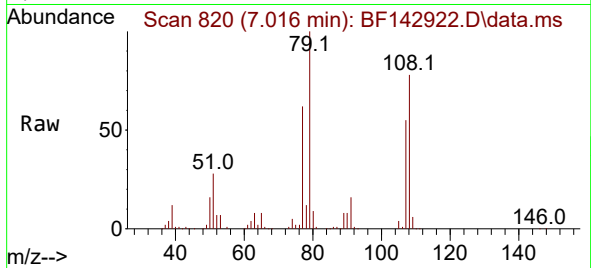




#15
Benzyl Alcohol
Concen: 43.697 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

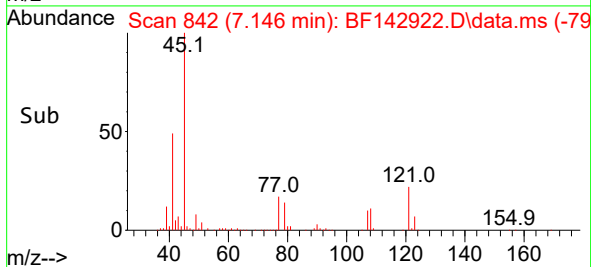
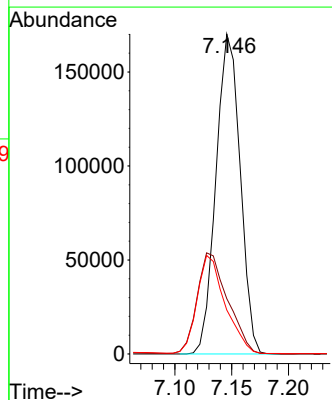
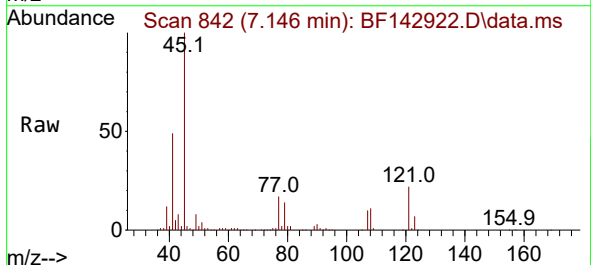
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

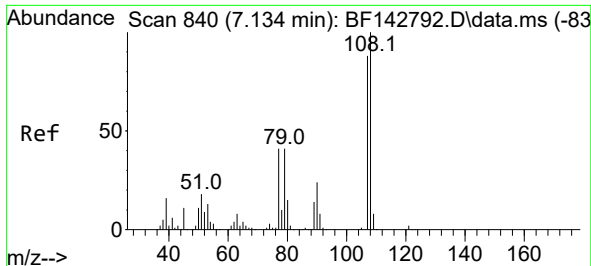
Tgt Ion: 79 Resp: 154524
Ion Ratio Lower Upper
79 100
108 78.0 63.4 95.0
77 61.8 49.5 74.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.367 ng
RT: 7.146 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion: 45 Resp: 252038
Ion Ratio Lower Upper
45 100
77 17.3 0.0 32.8
79 13.8 0.0 29.8

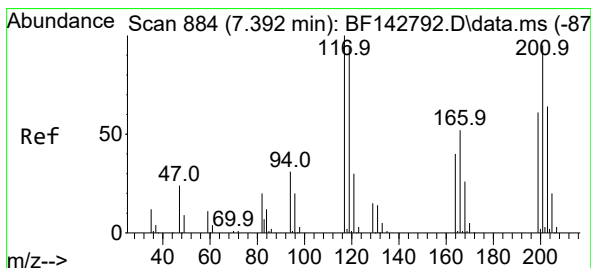
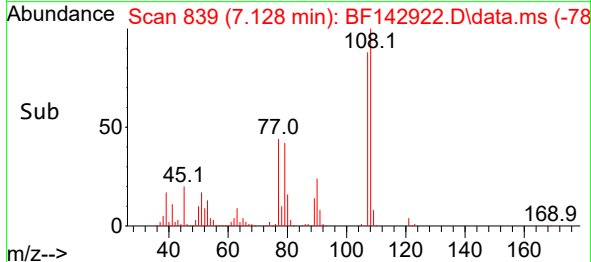
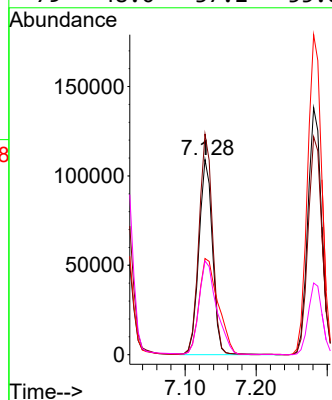
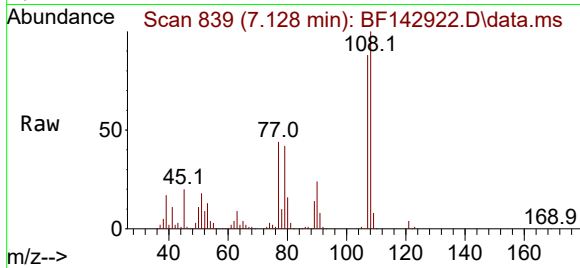




#17
2-Methylphenol
Concen: 43.080 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

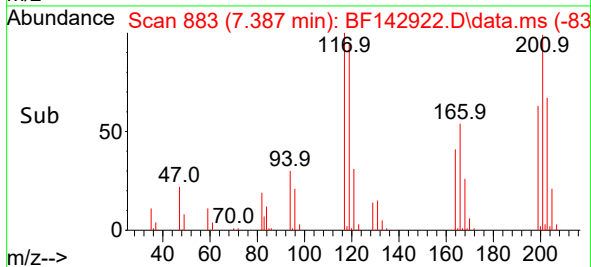
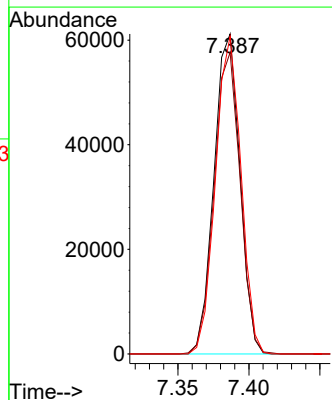
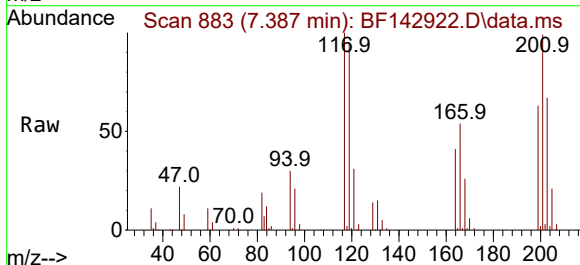
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

Tgt Ion:107 Resp: 146010
Ion Ratio Lower Upper
107 100
108 113.1 90.9 136.3
77 49.3 37.3 55.9
79 48.0 37.2 55.8



#18
Hexachloroethane
Concen: 43.930 ng
RT: 7.387 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:117 Resp: 77542
Ion Ratio Lower Upper
117 100
119 94.2 75.4 113.0
201 99.2 75.9 113.9





#19

n-Nitroso-di-n-propylamine

Concen: 43.795 ng

RT: 7.287 min Scan# 866

Delta R.T. -0.006 min

Lab File: BF142922.D

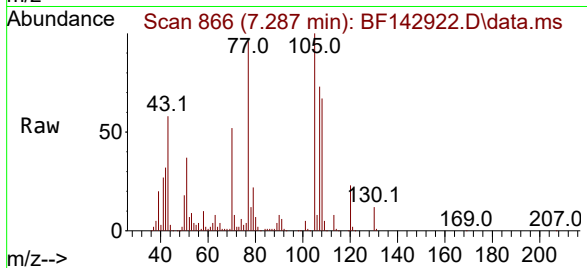
Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

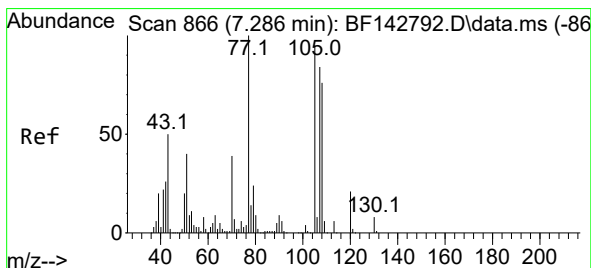
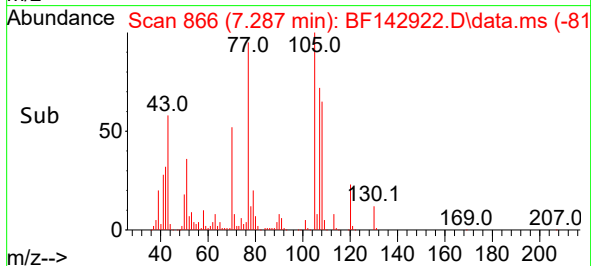
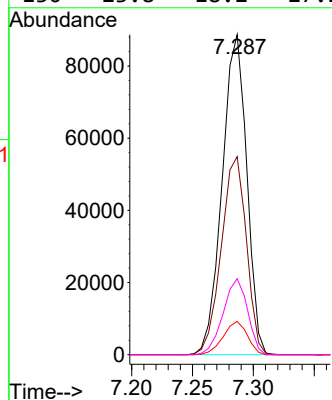
ClientSampleId :

MH-E/FMSD



Tgt Ion: 70 Resp: 124595

Ion	Ratio	Lower	Upper
70	100		
42	61.9	52.1	78.1
101	10.4	8.2	12.2
130	23.8	18.2	27.2



#20

3+4-Methylphenols

Concen: 44.011 ng

RT: 7.281 min Scan# 865

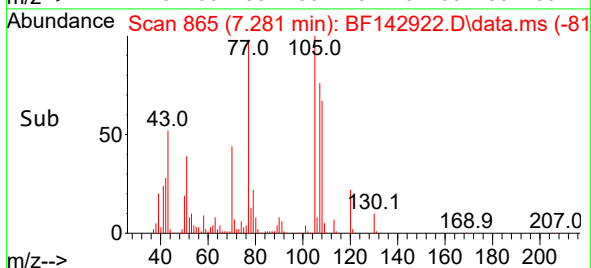
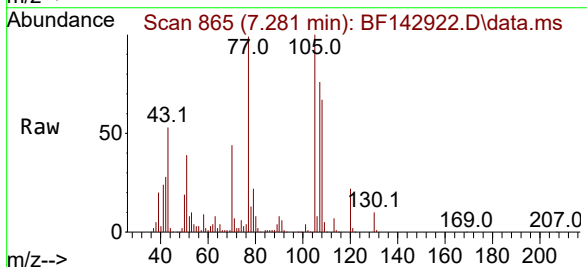
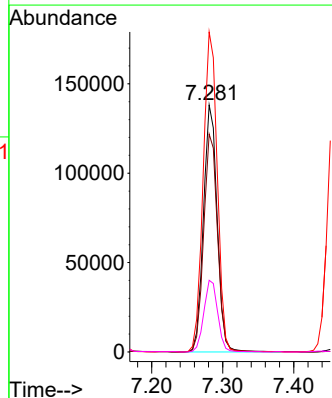
Delta R.T. -0.006 min

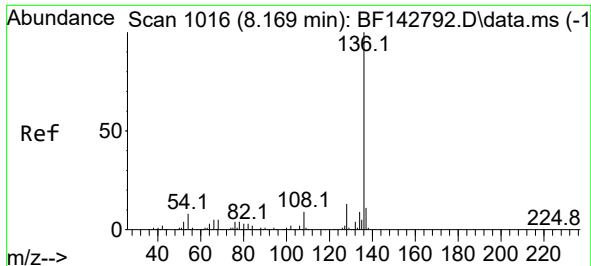
Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion:107 Resp: 185984

Ion	Ratio	Lower	Upper
107	100		
108	88.2	70.0	110.0
77	129.6	98.5	138.5
79	29.0	8.8	48.8

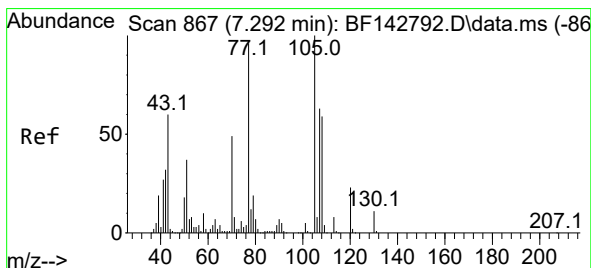
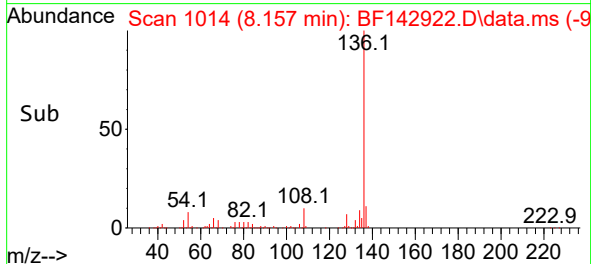
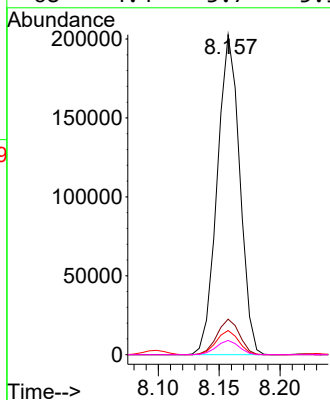
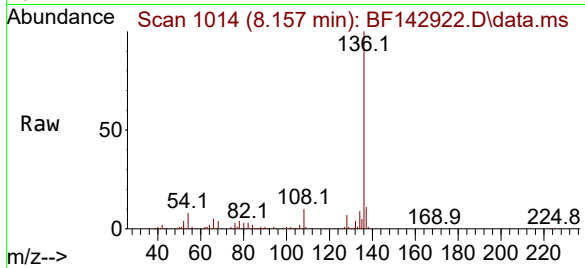




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

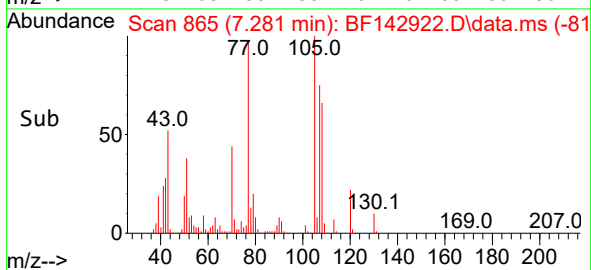
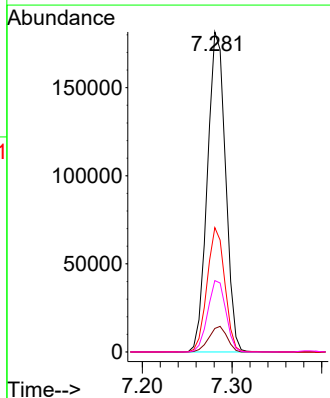
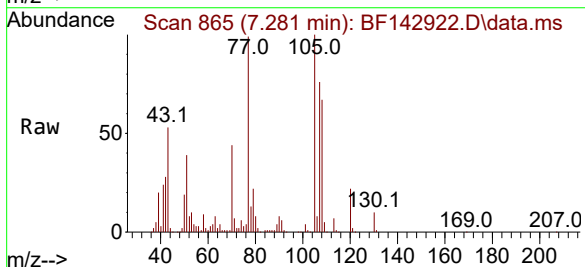
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

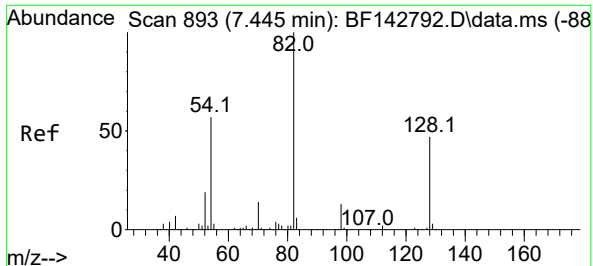
Tgt Ion:136 Resp: 260392
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.5 6.3 9.5
68 4.4 3.7 5.5



#22
Acetophenone
Concen: 44.368 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:105 Resp: 254768
Ion Ratio Lower Upper
105 100
71 7.3 6.5 9.7
51 38.8 29.8 44.8
120 22.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 56.685 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

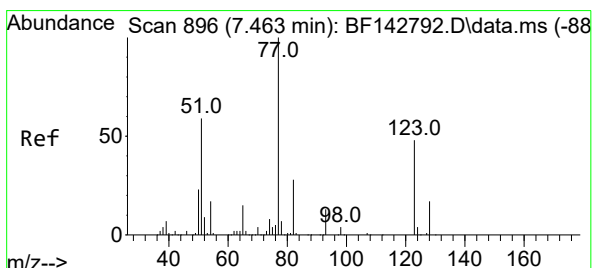
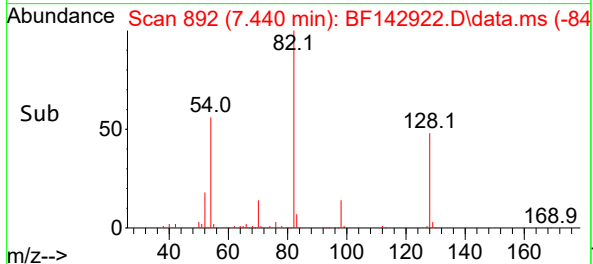
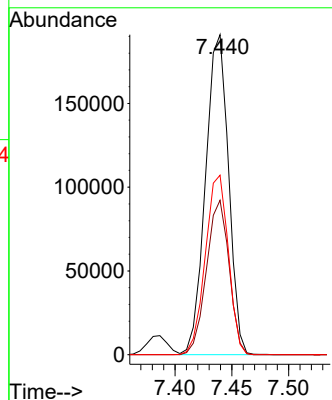
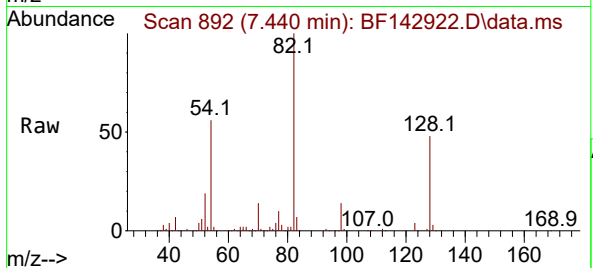
Tgt Ion: 82 Resp: 269098

Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 56.1 45.7 68.5



#24

Nitrobenzene

Concen: 43.067 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

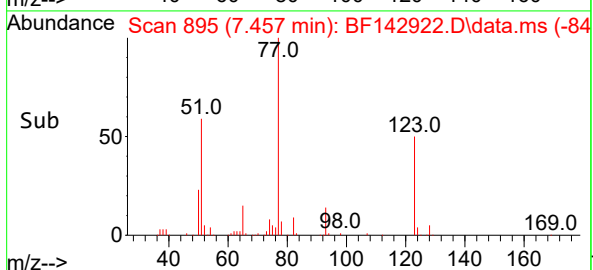
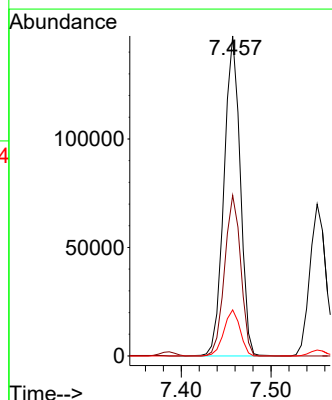
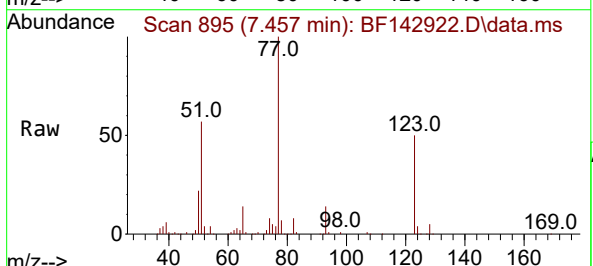
Tgt Ion: 77 Resp: 185046

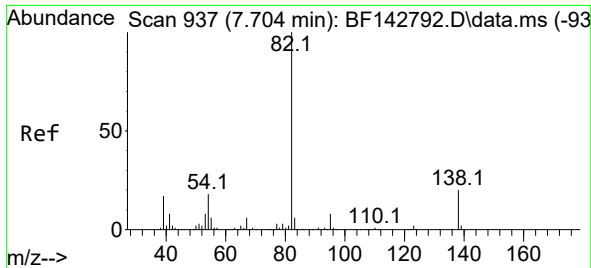
Ion Ratio Lower Upper

77 100

123 50.2 39.2 58.8

65 14.4 11.6 17.4

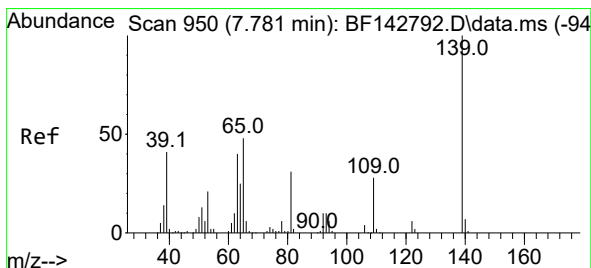
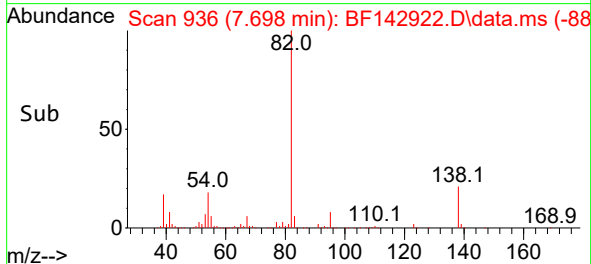
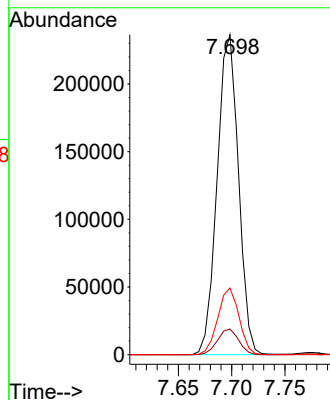
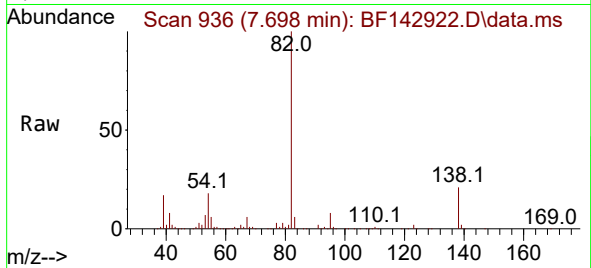




#25
Isophorone
Concen: 43.163 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

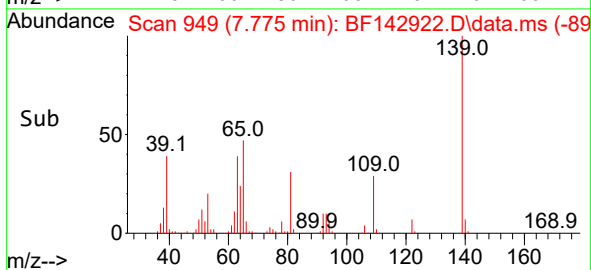
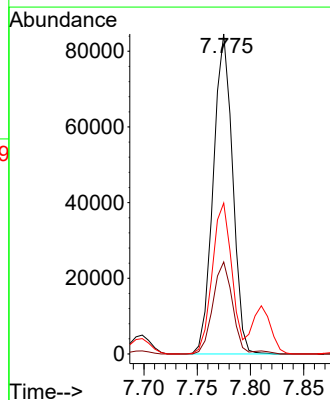
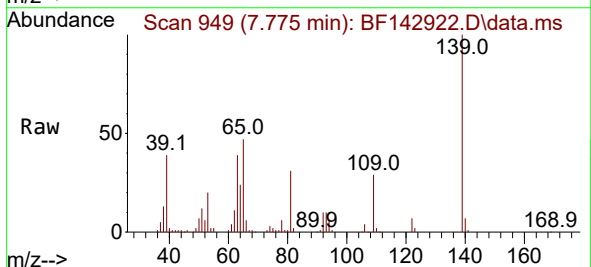
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

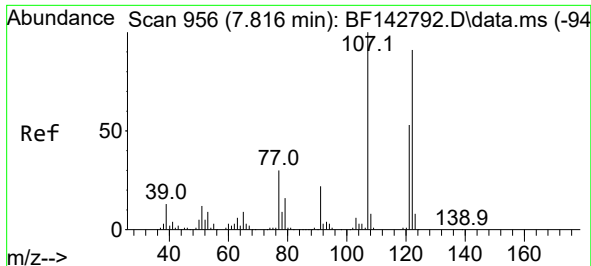
Tgt Ion: 82 Resp: 328702
Ion Ratio Lower Upper
82 100
95 8.0 6.2 9.2
138 20.9 16.2 24.4



#26
2-Nitrophenol
Concen: 45.639 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion: 139 Resp: 106824
Ion Ratio Lower Upper
139 100
109 28.7 22.7 34.1
65 47.2 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.897 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

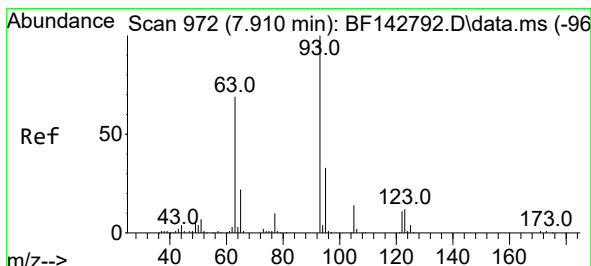
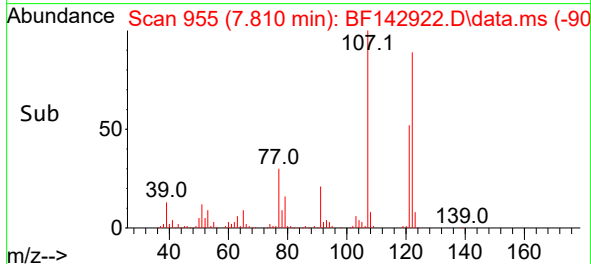
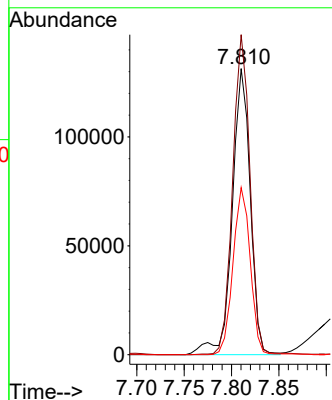
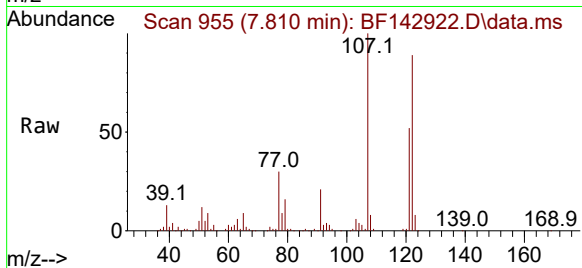
Tgt Ion:122 Resp: 173917

Ion Ratio Lower Upper

122 100

107 111.8 88.0 132.0

121 58.4 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.400 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

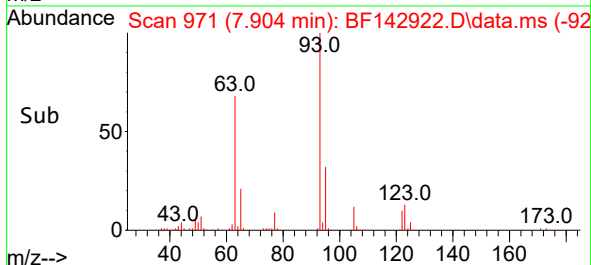
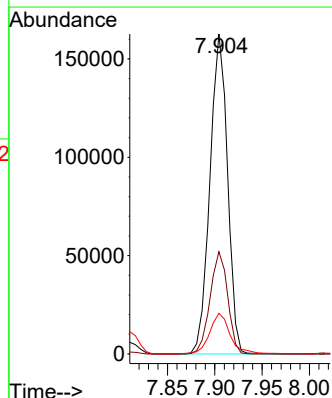
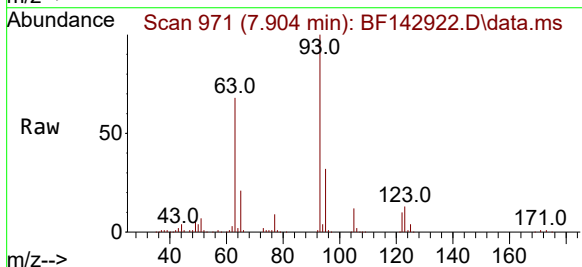
Tgt Ion: 93 Resp: 210122

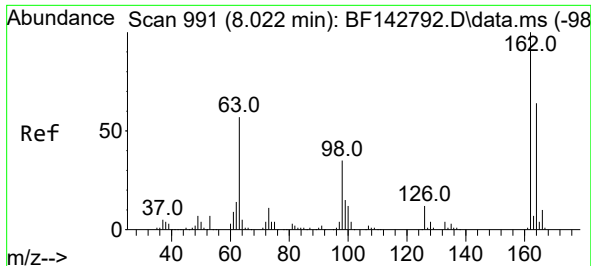
Ion Ratio Lower Upper

93 100

95 32.0 26.2 39.2

123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 43.760 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

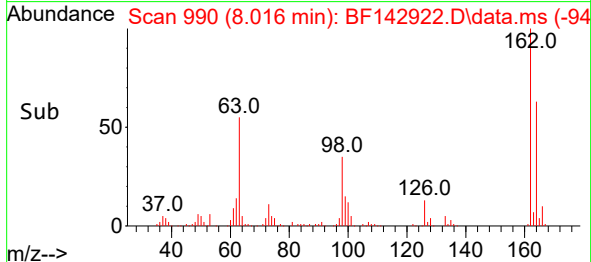
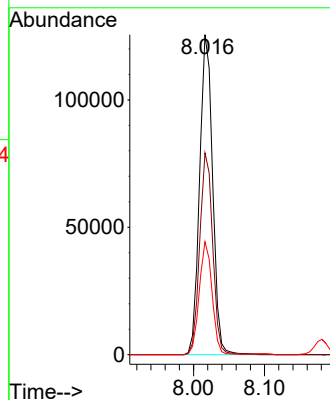
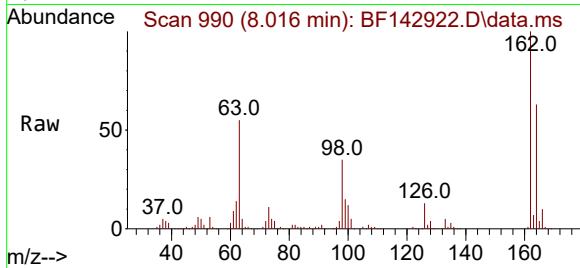
Tgt Ion:162 Resp: 160870

Ion Ratio Lower Upper

162 100

164 63.1 44.0 84.0

98 35.3 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 43.612 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

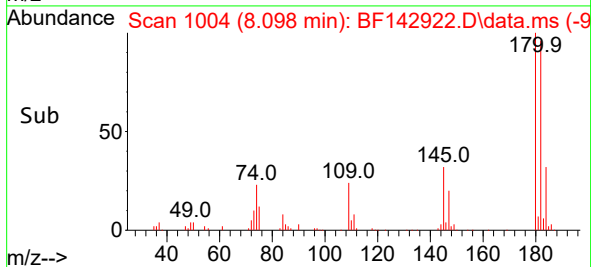
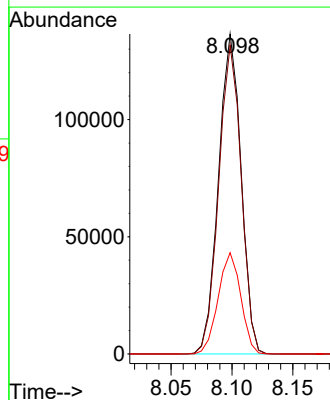
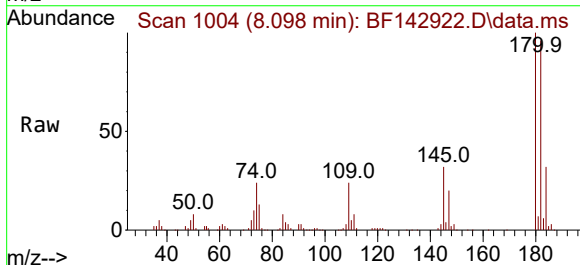
Tgt Ion:180 Resp: 176293

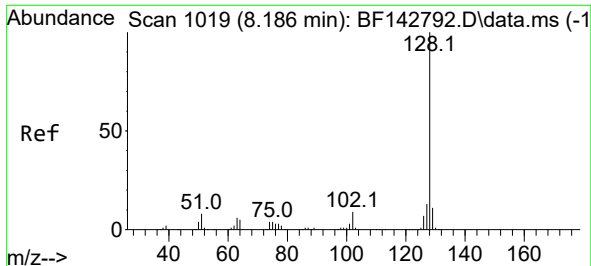
Ion Ratio Lower Upper

180 100

182 96.5 76.4 114.6

145 31.6 25.8 38.8

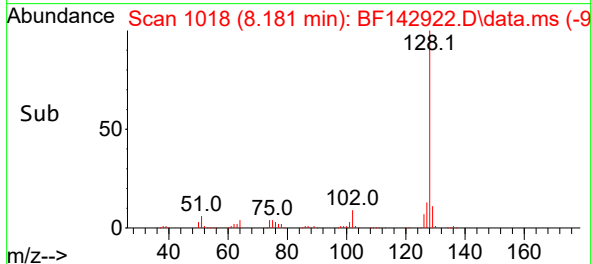
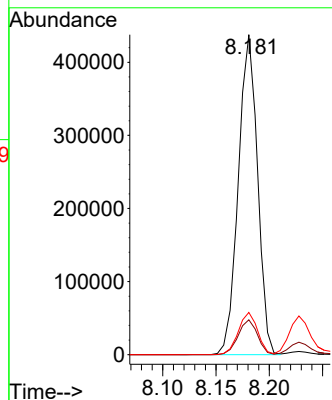
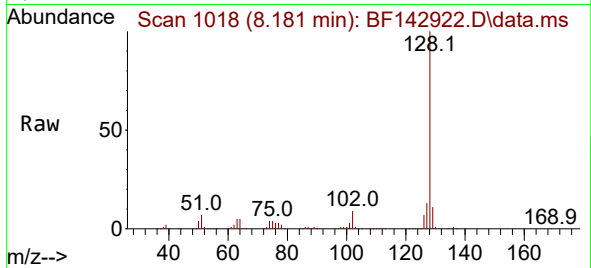




#31
Naphthalene
Concen: 43.216 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

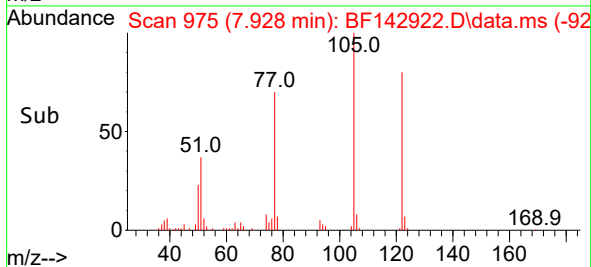
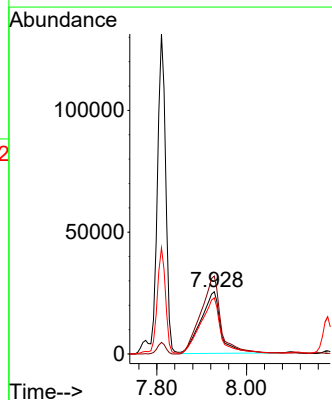
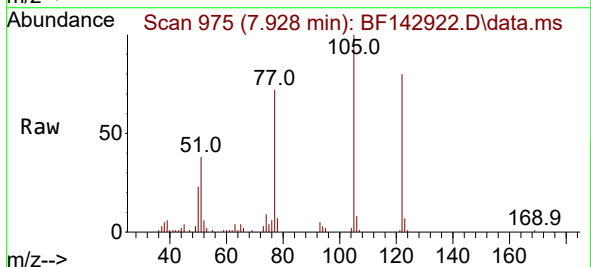
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

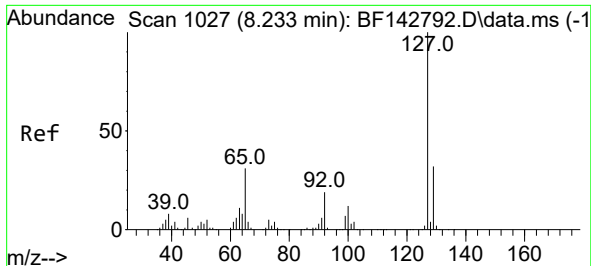
Tgt Ion:128 Resp: 550826
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.2 10.4 15.6



#32
Benzoic acid
Concen: 38.348 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:122 Resp: 79245
Ion Ratio Lower Upper
122 100
105 125.1 104.7 144.7
77 90.2 70.2 110.2





#33

4-Chloroaniline

Concen: 15.105 ng

RT: 8.228 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion:127 Resp: 78285

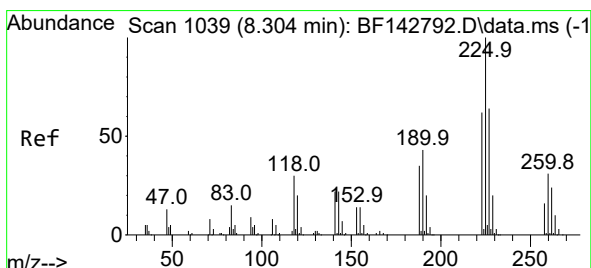
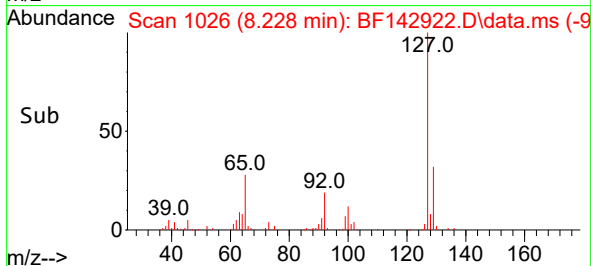
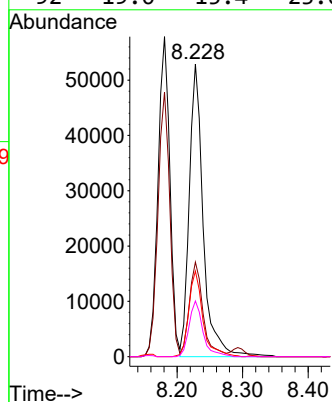
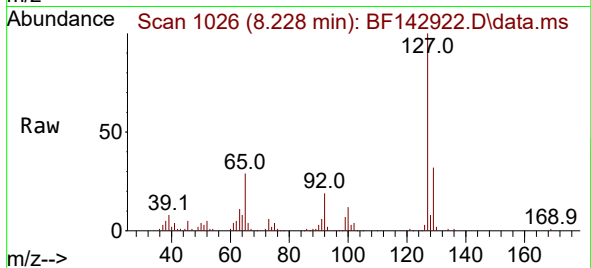
Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 29.3 24.6 36.8

92 19.0 15.4 23.0



#34

Hexachlorobutadiene

Concen: 43.597 ng

RT: 8.293 min Scan# 1037

Delta R.T. -0.012 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

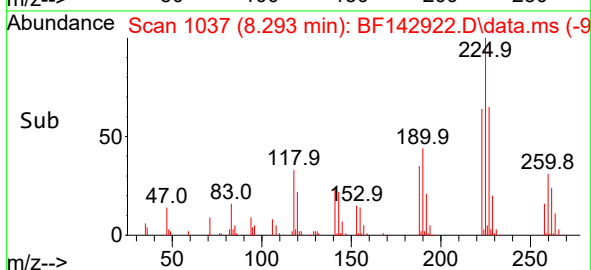
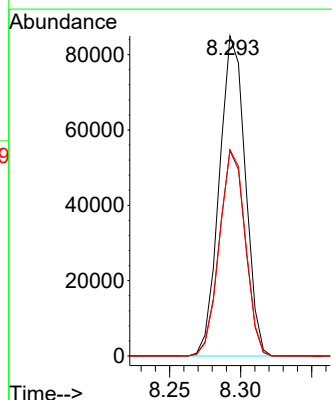
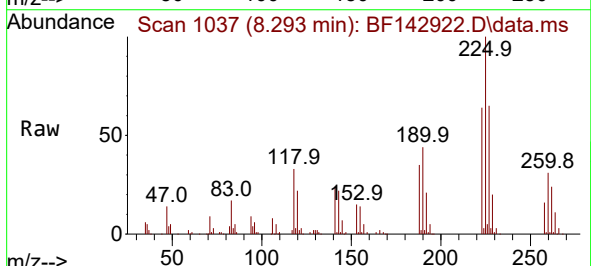
Tgt Ion:225 Resp: 107799

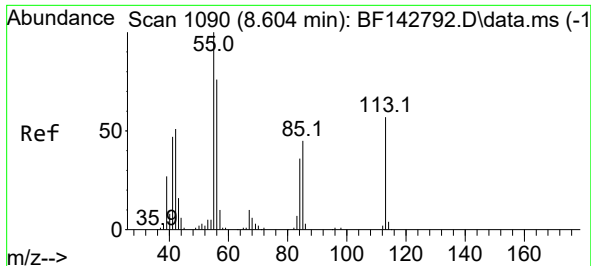
Ion Ratio Lower Upper

225 100

223 64.1 49.9 74.9

227 64.5 51.4 77.0

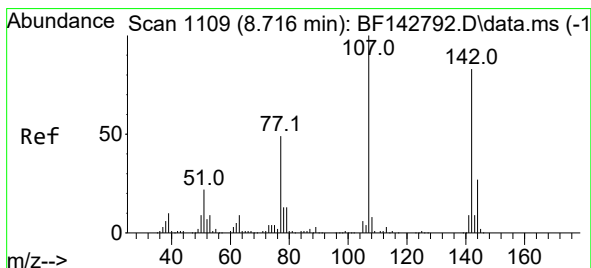
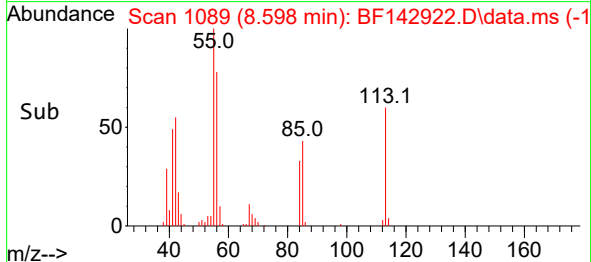
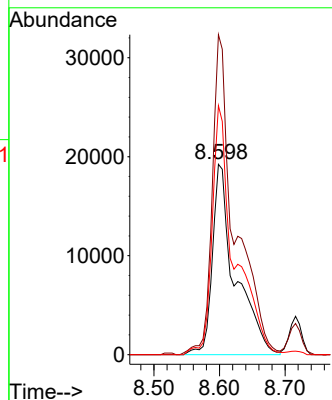
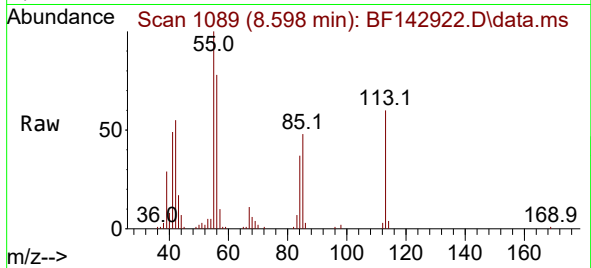




#35
 Caprolactam
 Concen: 47.917 ng
 RT: 8.598 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

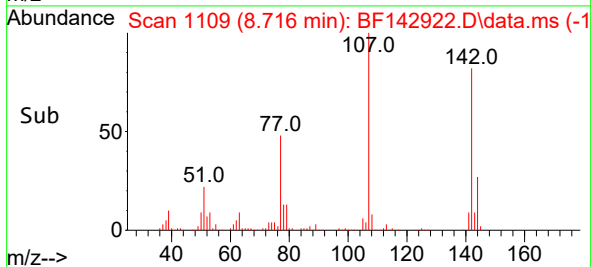
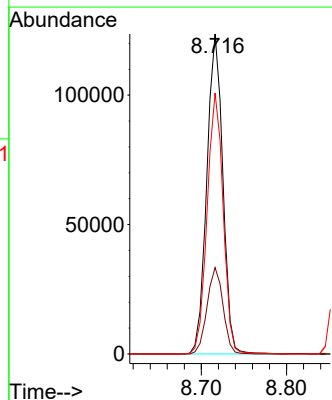
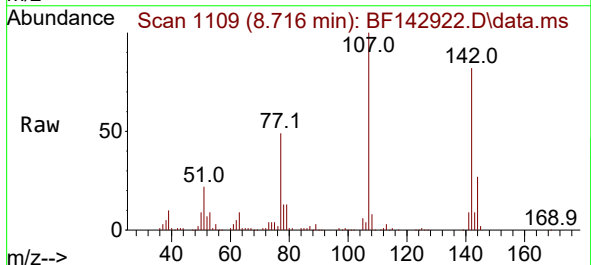
Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

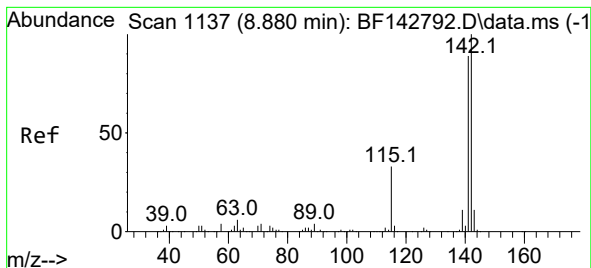
Tgt Ion:113 Resp: 46482
 Ion Ratio Lower Upper
 113 100
 55 168.0 154.4 194.4
 56 130.7 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 44.168 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

Tgt Ion:107 Resp: 161367
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.3 31.9
 142 81.6 66.6 100.0

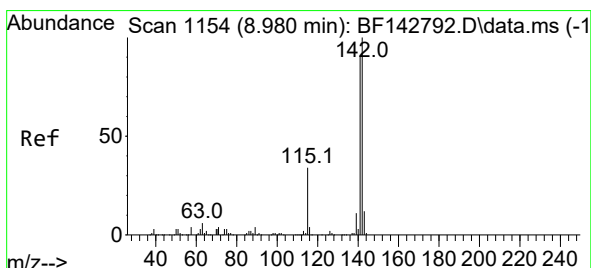
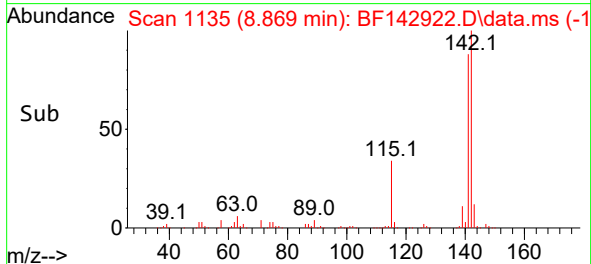
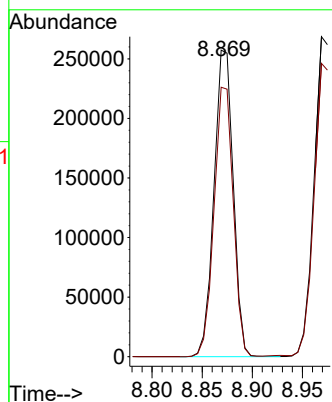
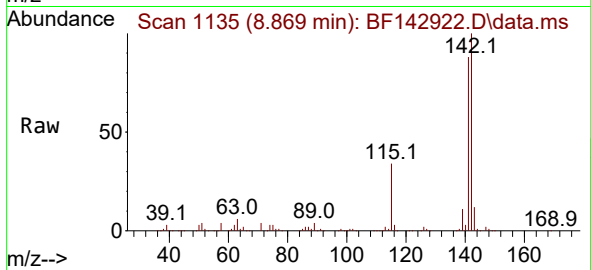




#37
2-Methylnaphthalene
Concen: 43.418 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

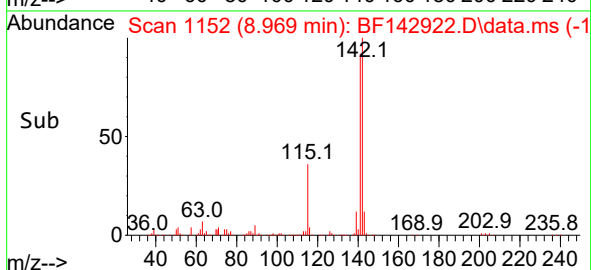
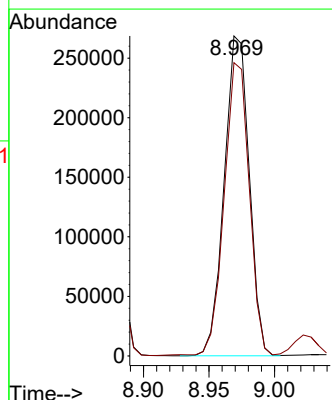
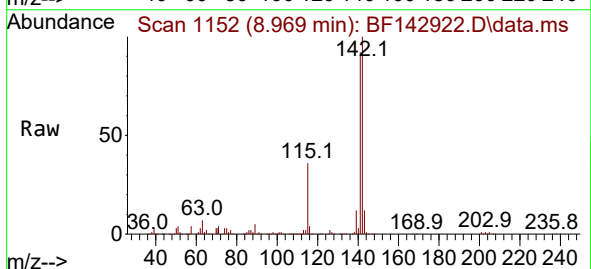
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

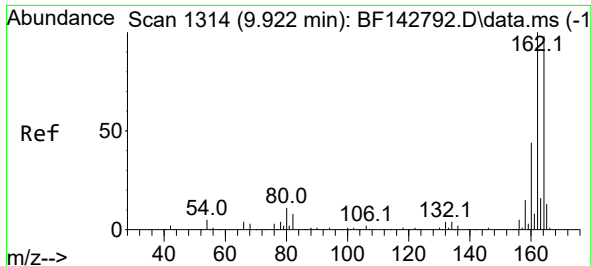
Tgt Ion:142 Resp: 343085
Ion Ratio Lower Upper
142 100
141 87.9 70.9 106.3



#38
1-Methylnaphthalene
Concen: 43.478 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:142 Resp: 355644
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

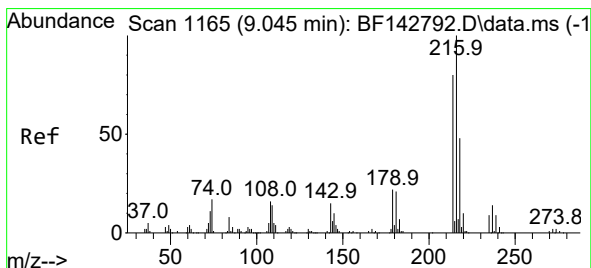
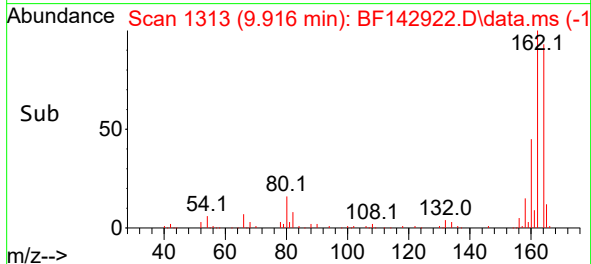
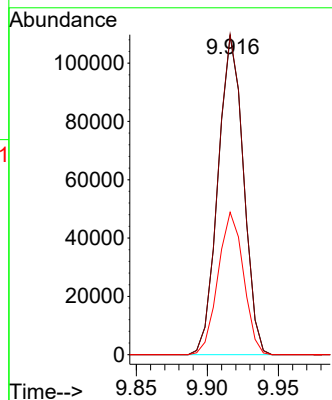
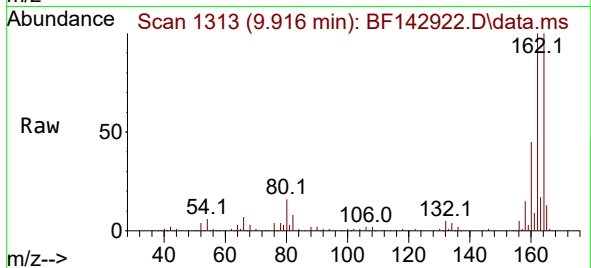
Tgt Ion:164 Resp: 136177

Ion Ratio Lower Upper

164 100

162 100.4 81.8 122.8

160 44.7 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.766 ng

RT: 9.040 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion:216 Resp: 175858

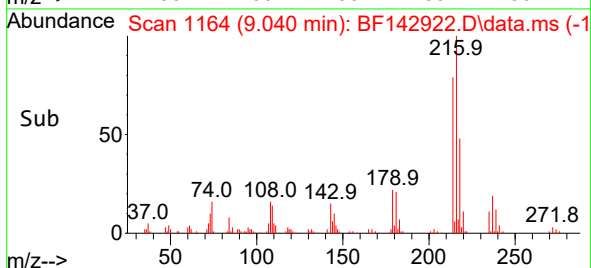
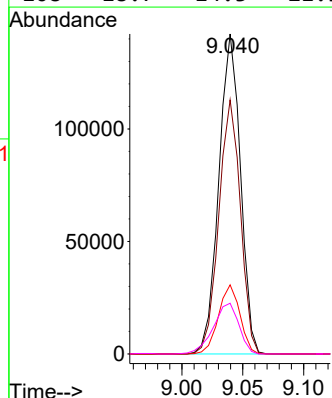
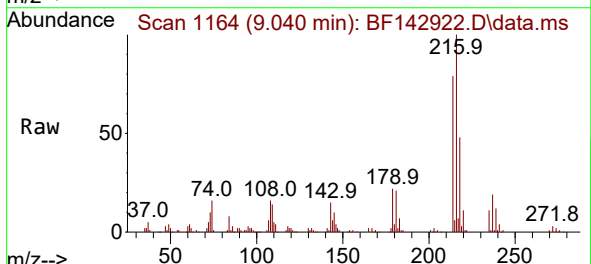
Ion Ratio Lower Upper

216 100

214 79.2 63.7 95.5

179 21.5 17.6 26.4

108 18.7 14.3 21.5

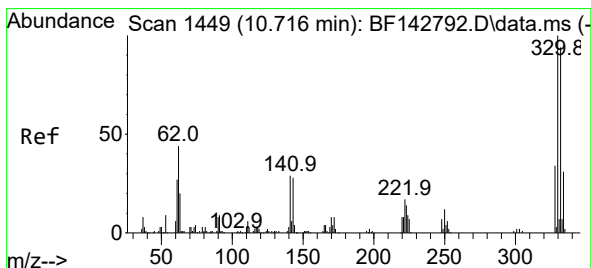
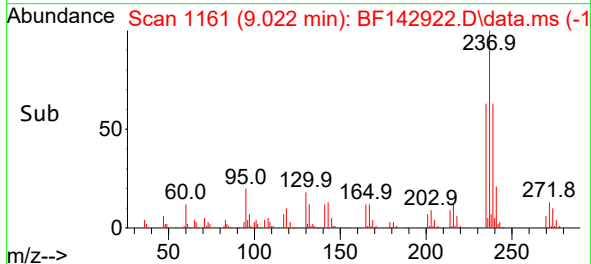
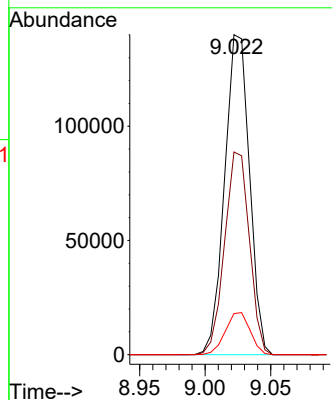
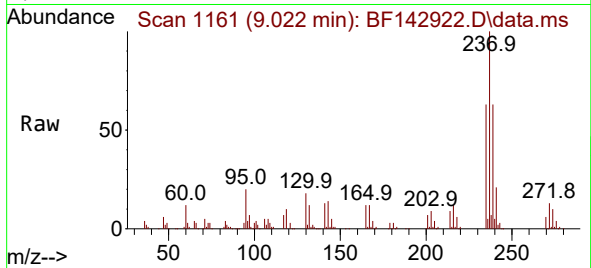




#41
Hexachlorocyclopentadiene
Concen: 80.981 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

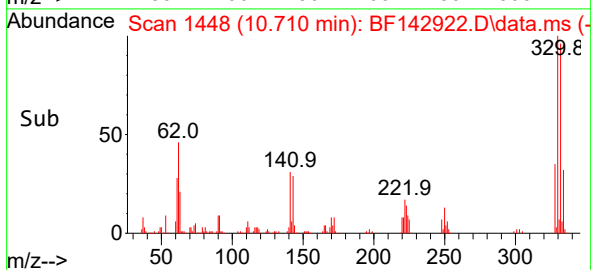
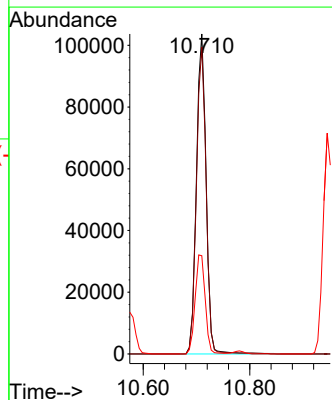
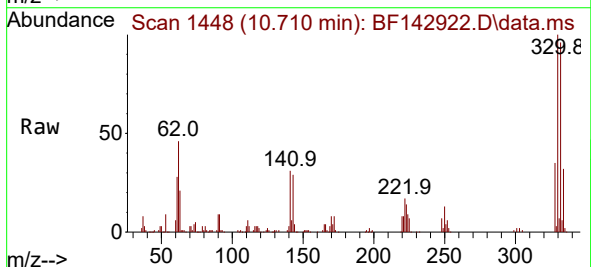
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

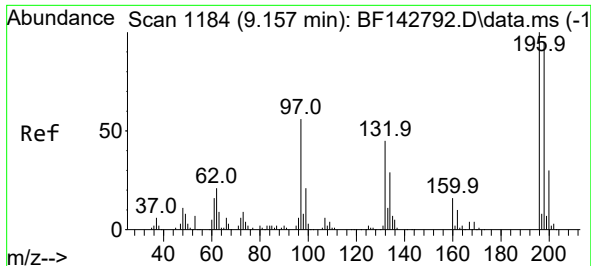
Tgt Ion:237 Resp: 184655
Ion Ratio Lower Upper
237 100
235 63.4 43.4 83.4
272 12.9 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 93.679 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:330 Resp: 131278
Ion Ratio Lower Upper
330 100
332 95.4 75.0 112.6
141 32.2 25.3 37.9

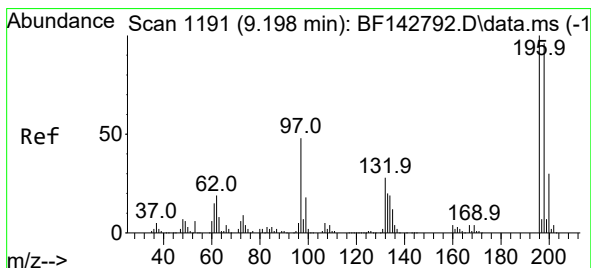
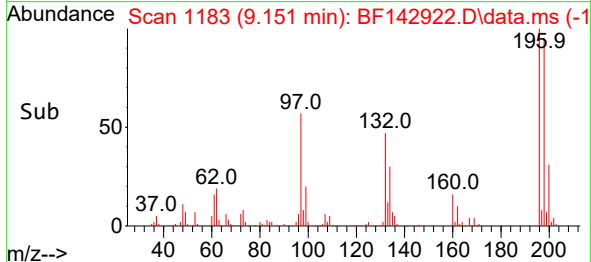
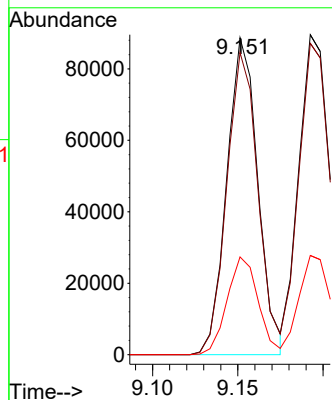
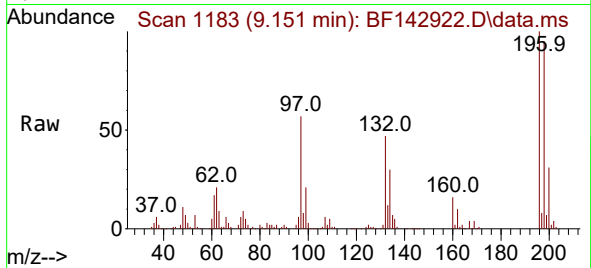




#43
2,4,6-Trichlorophenol
Concen: 42.863 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

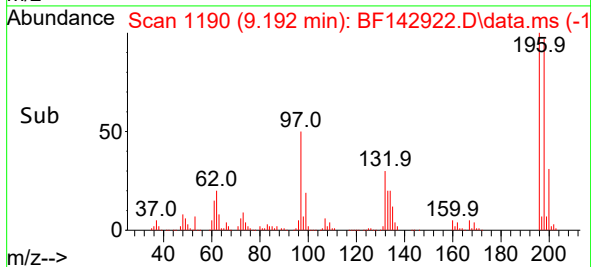
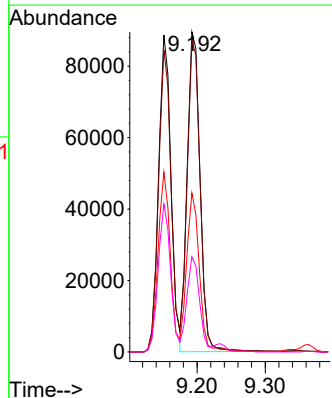
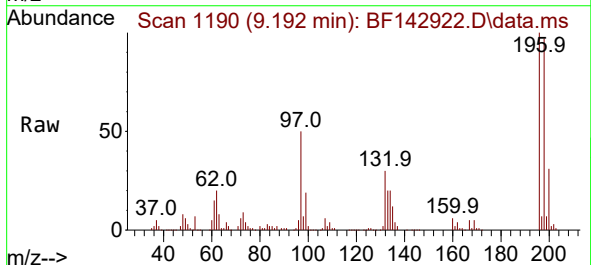
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

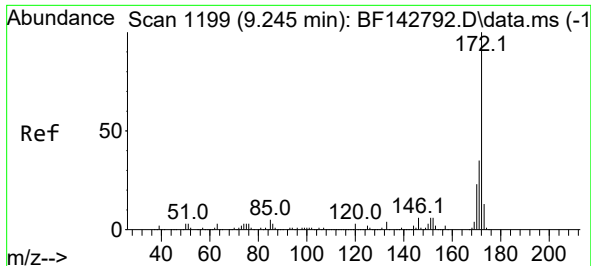
Tgt Ion:196 Resp: 112230
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.2
200 30.9 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 42.353 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:196 Resp: 116734
Ion Ratio Lower Upper
196 100
198 97.3 76.6 115.0
97 49.6 38.2 57.2
132 29.8 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 55.678 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

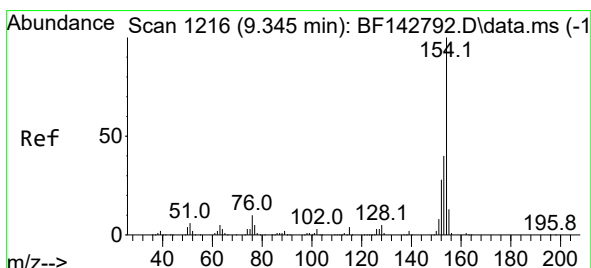
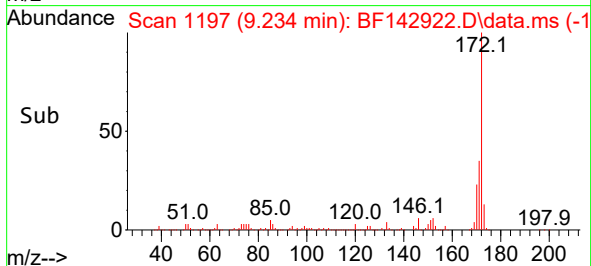
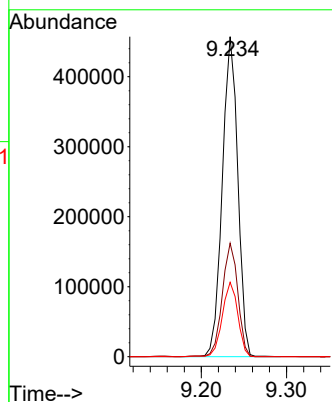
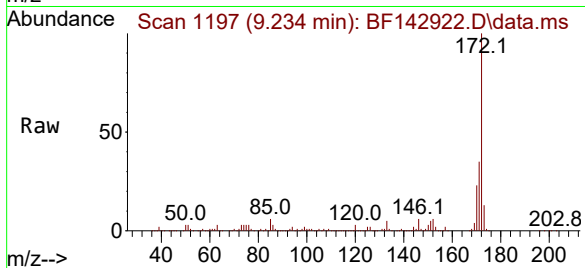
Tgt Ion:172 Resp: 577161

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.2 18.5 27.7



#46

1,1'-Biphenyl

Concen: 43.877 ng

RT: 9.340 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

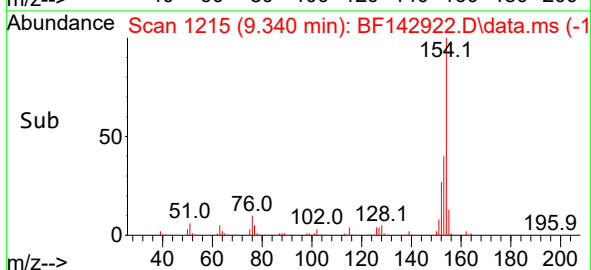
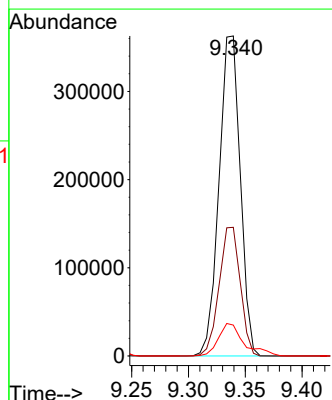
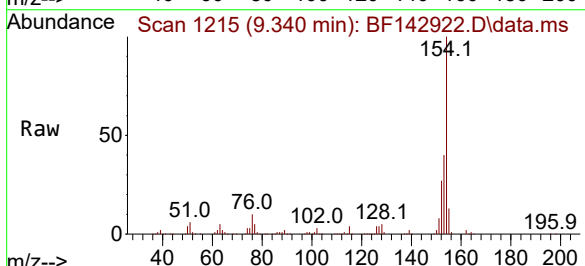
Tgt Ion:154 Resp: 471999

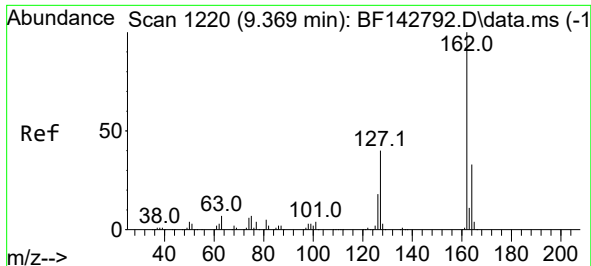
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 9.6 0.0 30.3





#47

2-Chloronaphthalene

Concen: 43.146 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

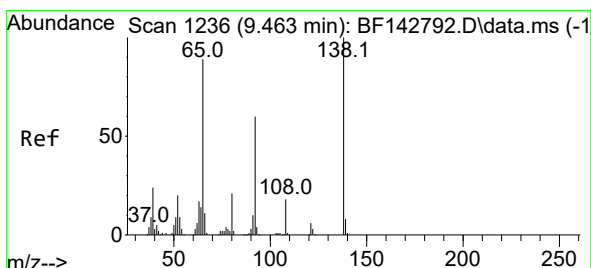
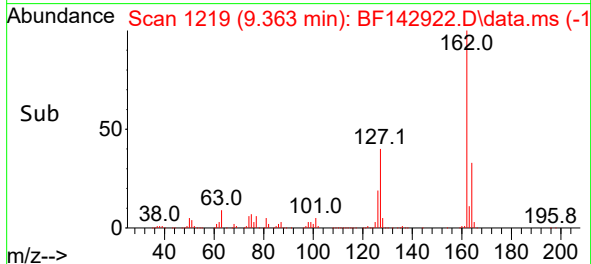
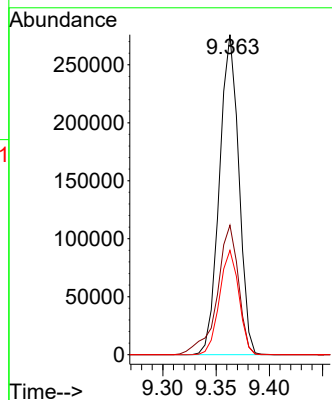
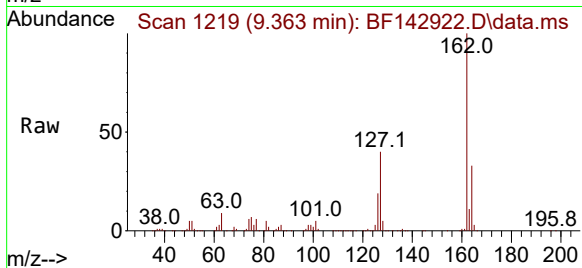
Tgt Ion:162 Resp: 348294

Ion Ratio Lower Upper

162 100

127 40.5 32.2 48.2

164 32.6 26.1 39.1



#48

2-Nitroaniline

Concen: 44.047 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

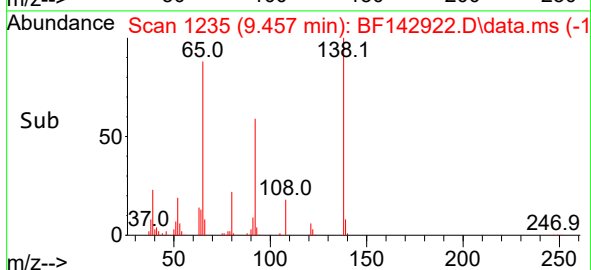
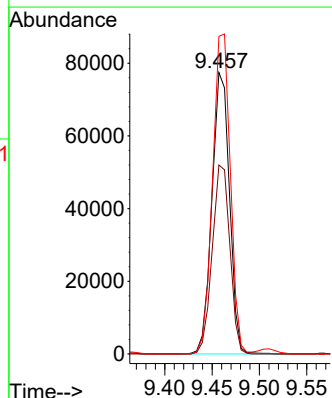
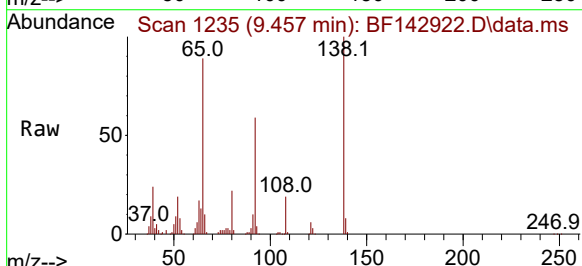
Tgt Ion: 65 Resp: 99686

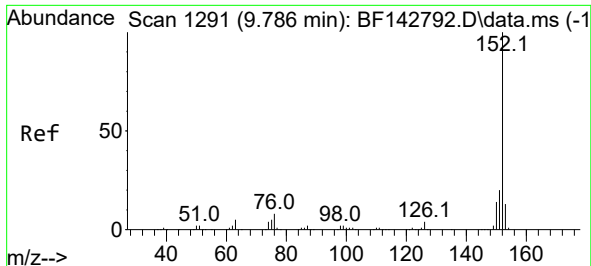
Ion Ratio Lower Upper

65 100

92 67.1 53.8 80.6

138 112.9 89.6 134.4

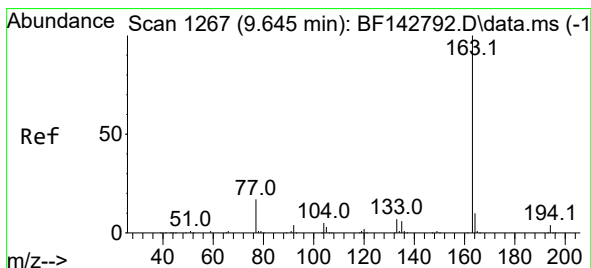
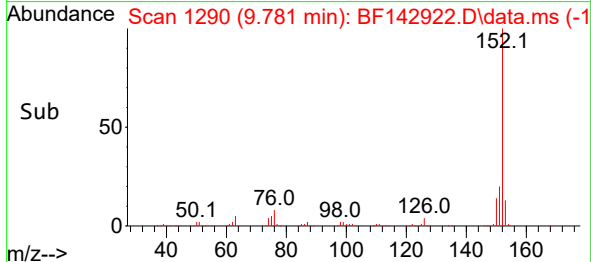
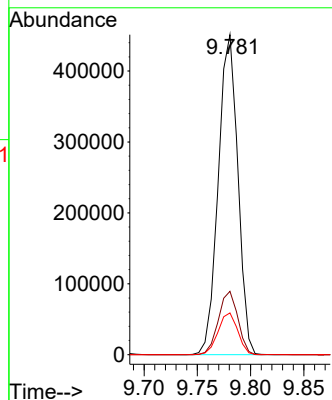
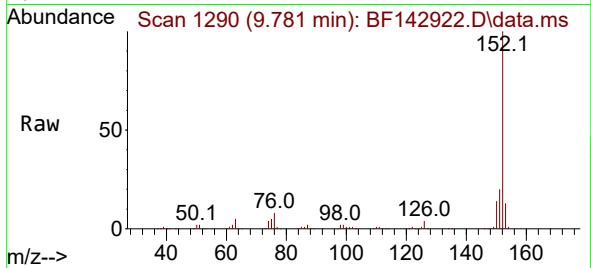




#49
Acenaphthylene
Concen: 43.343 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

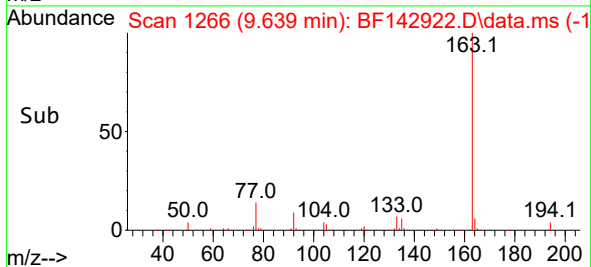
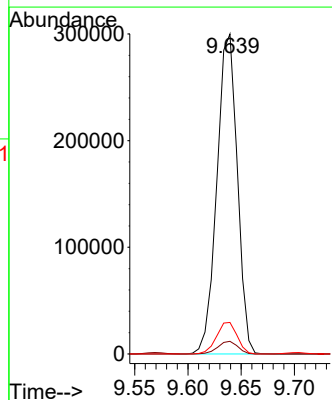
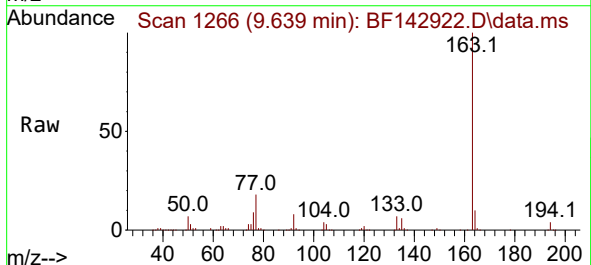
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

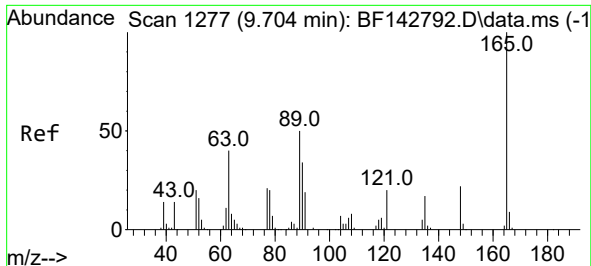
Tgt Ion:152 Resp: 575988
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 45.292 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:163 Resp: 399236
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.9 8.0 12.0

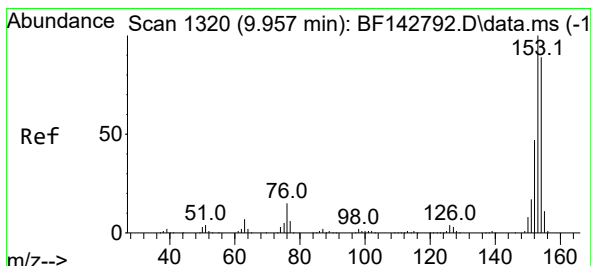
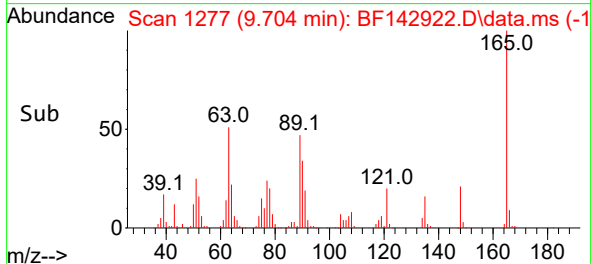
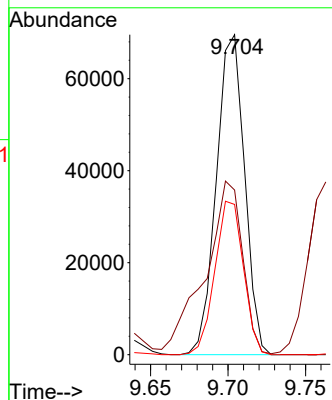
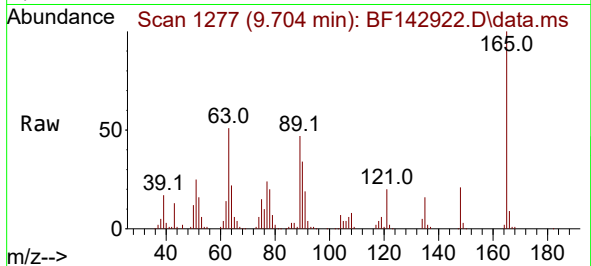




#51
2,6-Dinitrotoluene
Concen: 45.516 ng
RT: 9.704 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

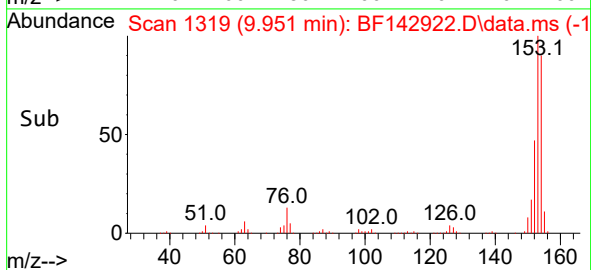
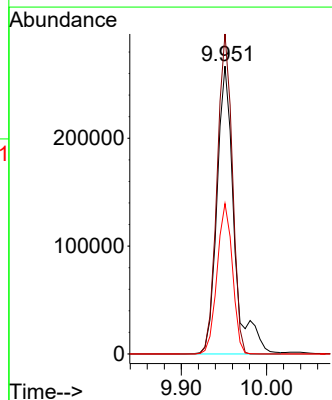
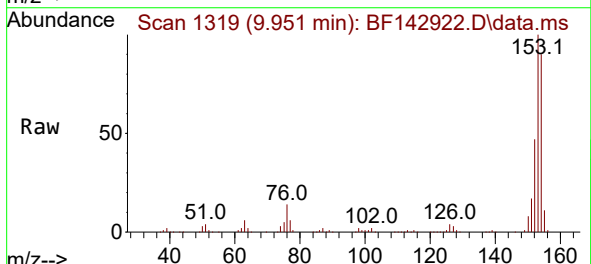
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

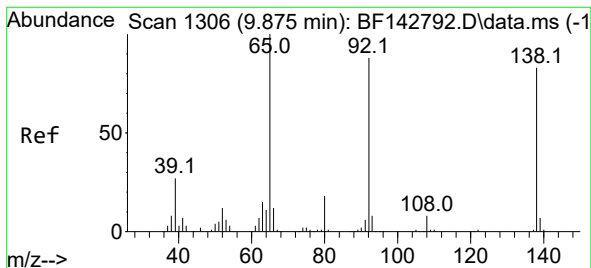
Tgt Ion:165 Resp: 88111
Ion Ratio Lower Upper
165 100
63 51.4 44.2 66.4
89 46.9 39.8 59.8



#52
Acenaphthene
Concen: 45.952 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:154 Resp: 372582
Ion Ratio Lower Upper
154 100
153 111.2 90.0 135.0
152 52.3 41.9 62.9





#53

3-Nitroaniline

Concen: 24.466 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

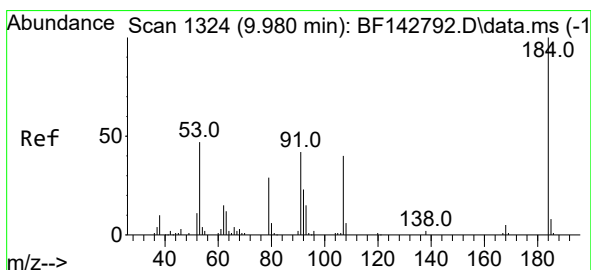
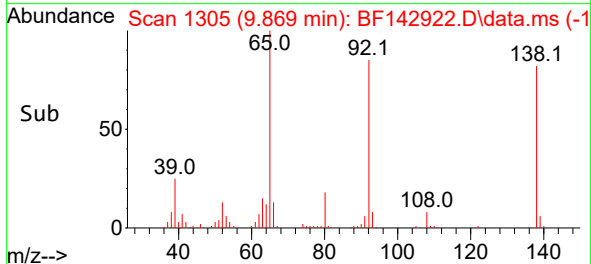
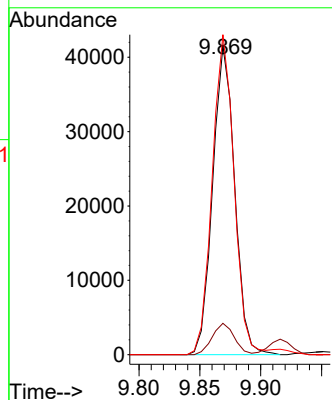
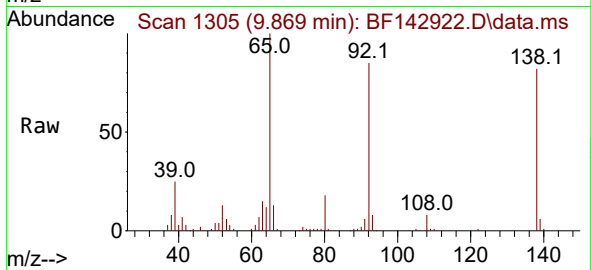
Tgt Ion:138 Resp: 52145

Ion Ratio Lower Upper

138 100

108 10.1 8.1 12.1

92 103.6 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 66.079 ng

RT: 9.981 min Scan# 1324

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

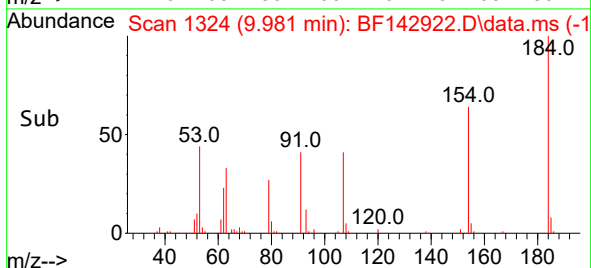
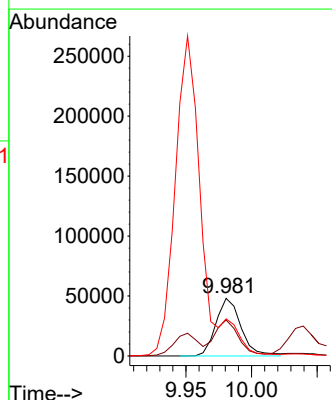
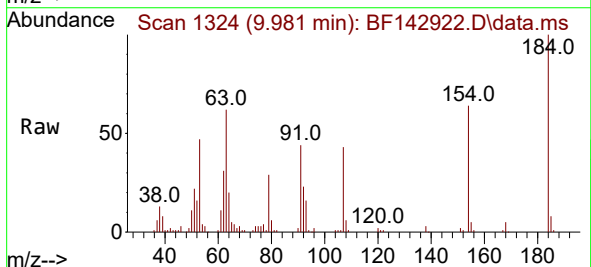
Tgt Ion:184 Resp: 64050

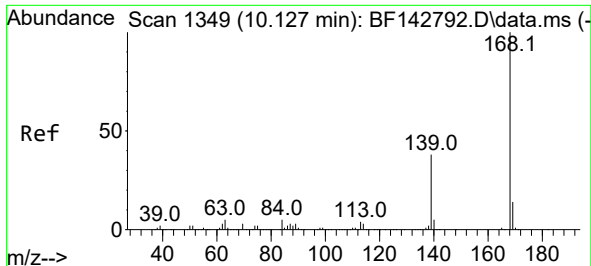
Ion Ratio Lower Upper

184 100

63 62.3 50.6 75.8

154 64.5 51.8 77.8

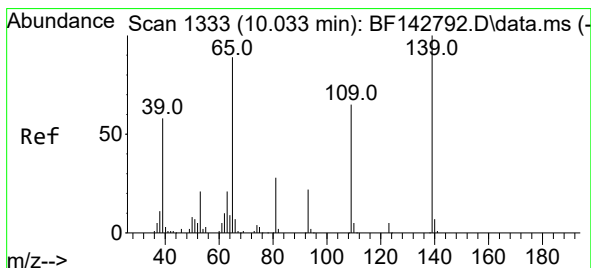
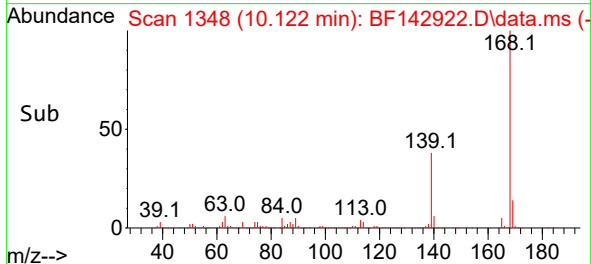
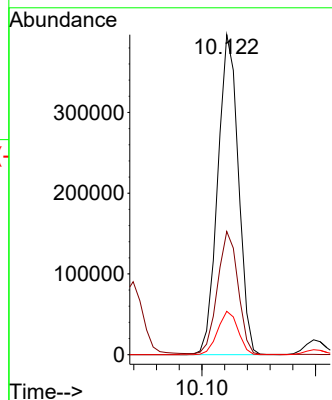
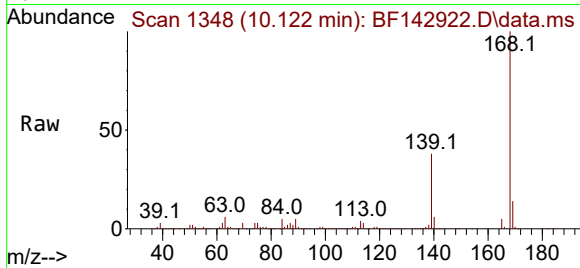




#55
Dibenzenofuran
Concen: 43.075 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

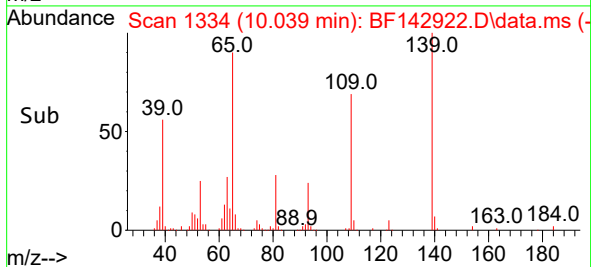
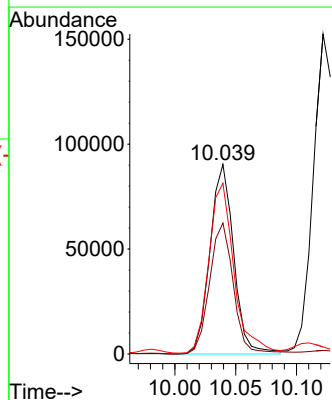
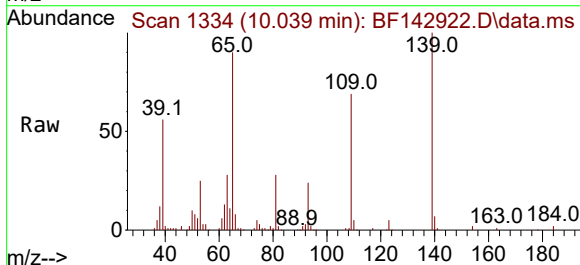
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

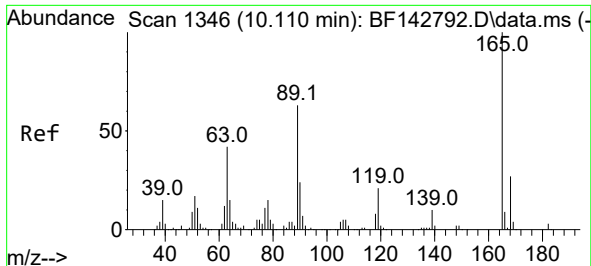
Tgt Ion:168 Resp: 500815
Ion Ratio Lower Upper
168 100
139 38.5 30.2 45.4
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 83.856 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:139 Resp: 122356
Ion Ratio Lower Upper
139 100
109 69.1 44.7 84.7
65 90.1 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 45.352 ng

RT: 10.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion:165 Resp: 116615

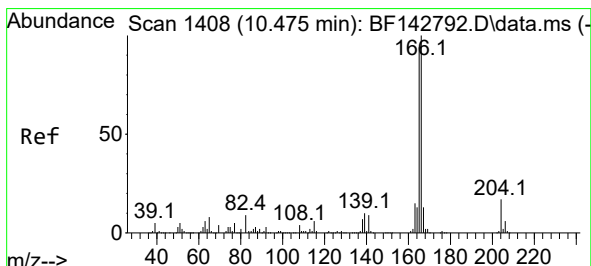
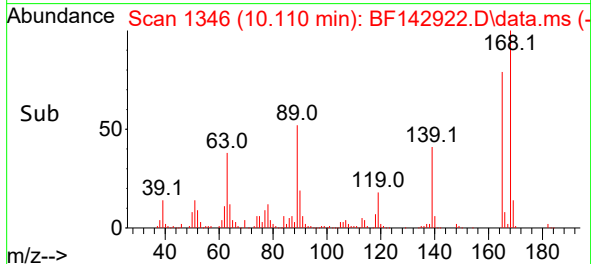
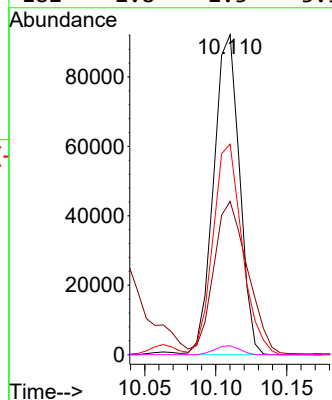
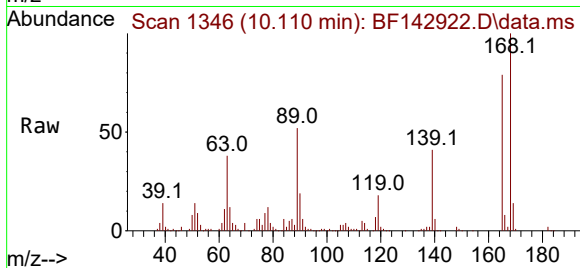
Ion Ratio Lower Upper

165 100

63 47.9 33.9 50.9

89 65.8 50.6 75.8

182 2.8 2.3 3.5



#58

Fluorene

Concen: 43.858 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

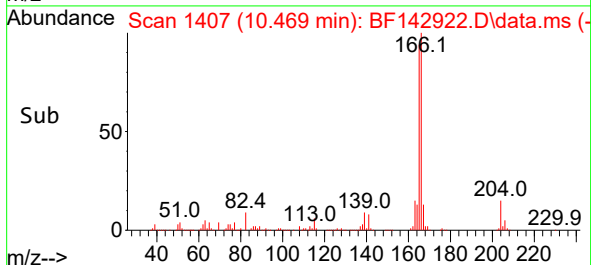
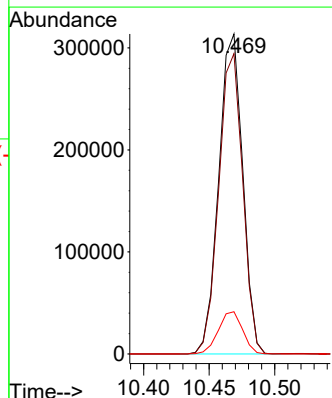
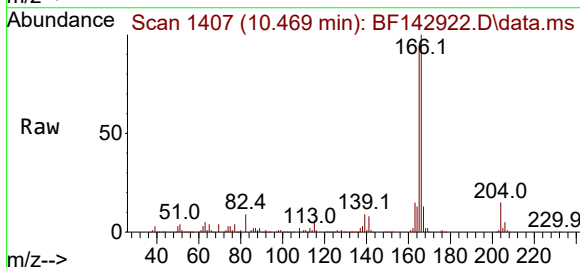
Tgt Ion:166 Resp: 398241

Ion Ratio Lower Upper

166 100

165 93.8 75.2 112.8

167 13.2 10.6 15.8

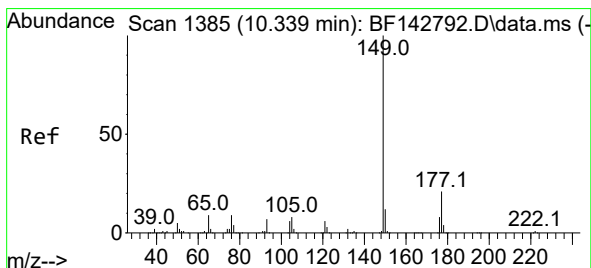
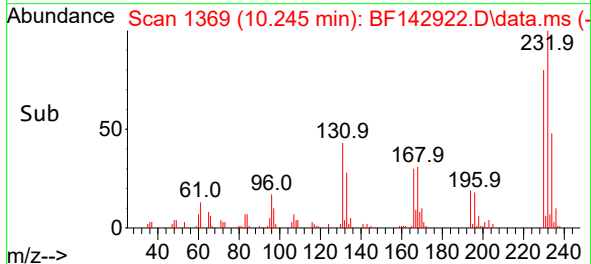
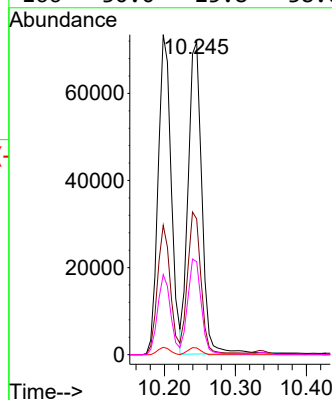
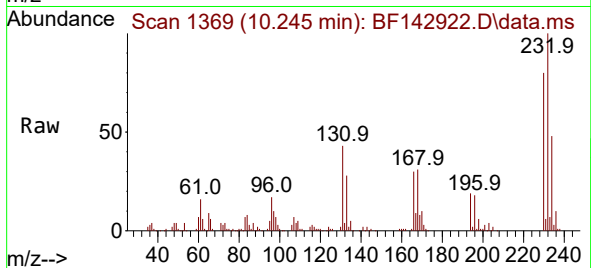




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.951 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

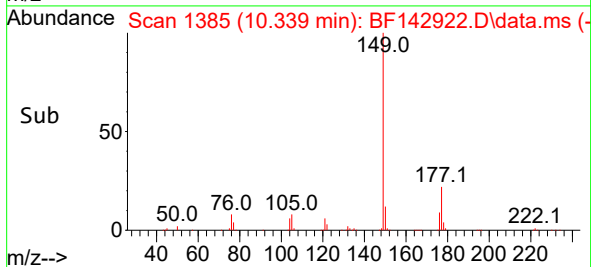
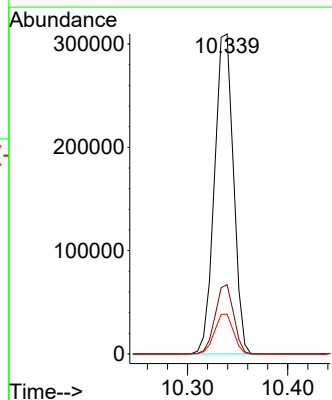
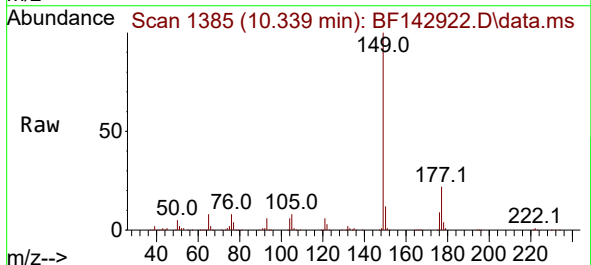
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

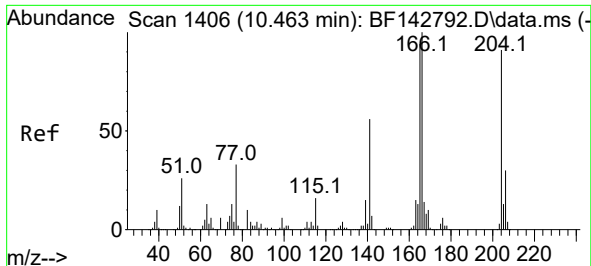
Tgt Ion:232 Resp: 95423
Ion Ratio Lower Upper
232 100
131 44.9 37.6 56.4
130 2.2 1.7 2.5
166 30.0 25.8 38.6



#60
Diethylphthalate
Concen: 47.107 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:149 Resp: 407136
Ion Ratio Lower Upper
149 100
177 21.6 17.0 25.6
150 12.5 9.8 14.6

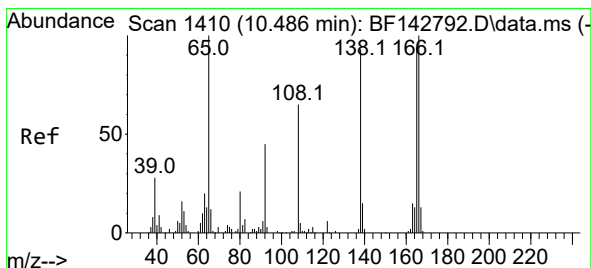
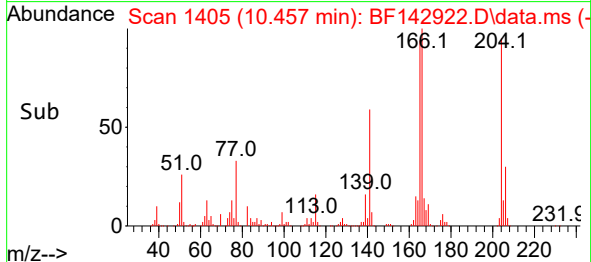
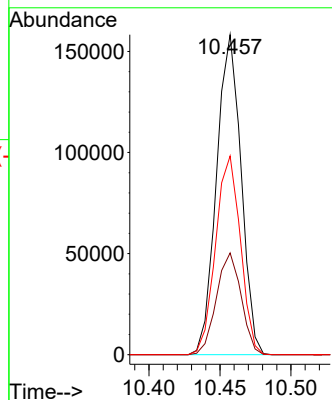
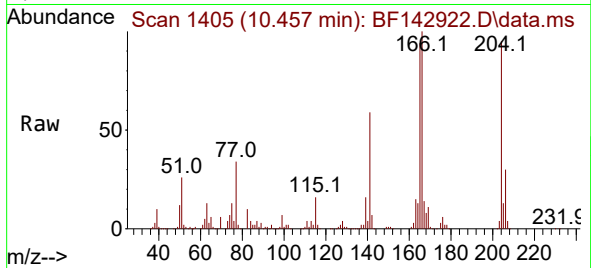




#61
4-Chlorophenyl-phenylether
Concen: 43.927 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

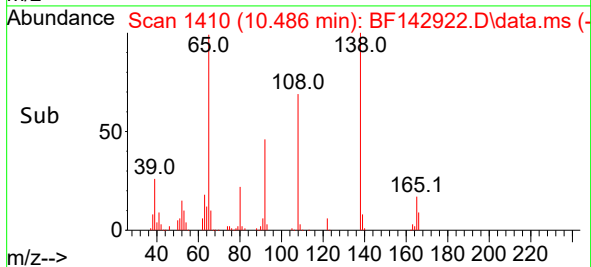
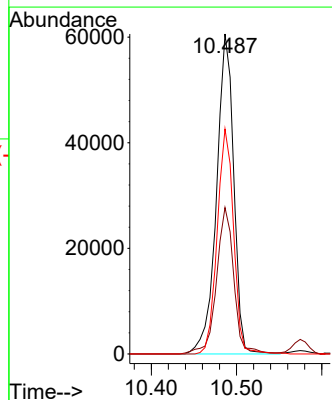
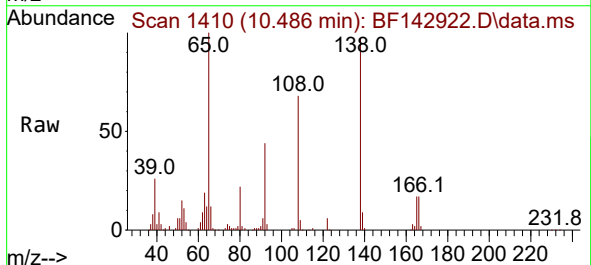
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

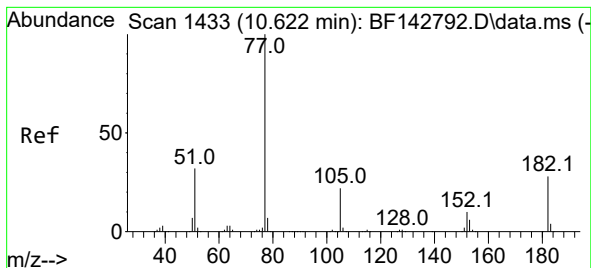
Tgt Ion:204 Resp: 190334
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 62.1 49.1 73.7



#62
4-Nitroaniline
Concen: 43.721 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:138 Resp: 85223
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 70.3 50.2 90.2





#63

Azobenzene

Concen: 46.526 ng

RT: 10.616 min Scan# 1433

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

Tgt Ion: 77 Resp: 359391

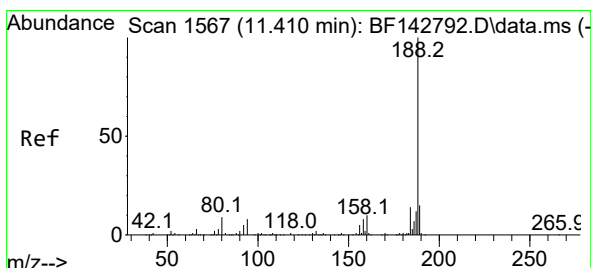
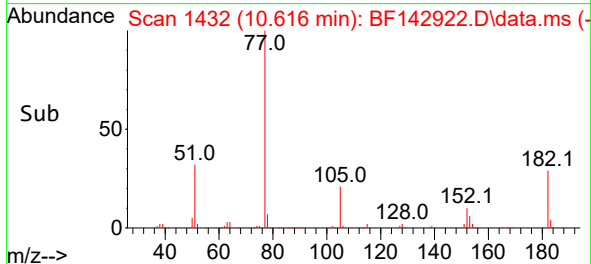
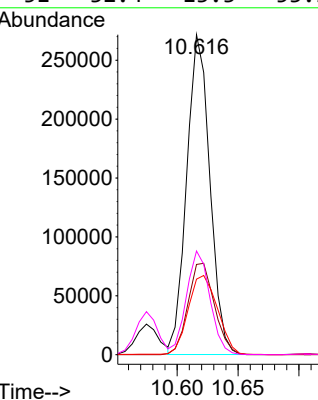
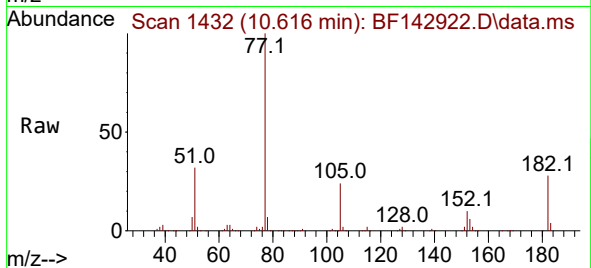
Ion Ratio Lower Upper

77 100

182 28.2 7.7 47.7

105 23.6 1.9 41.9

51 32.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

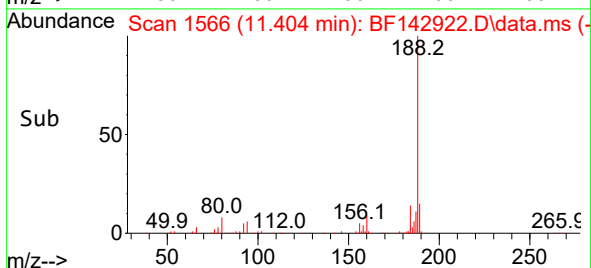
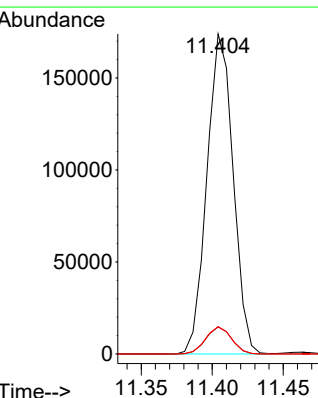
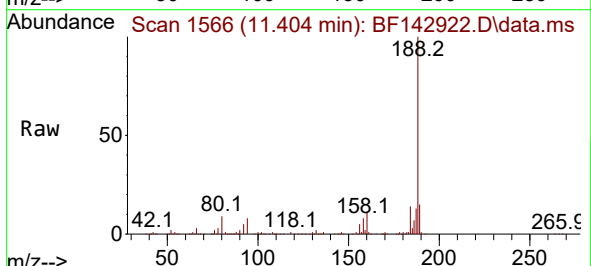
Tgt Ion:188 Resp: 223120

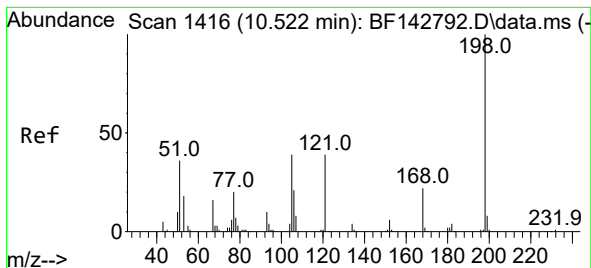
Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

80 8.6 6.9 10.3

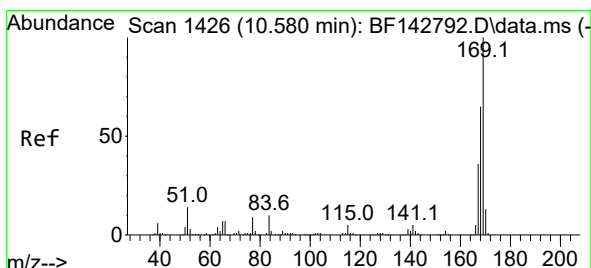
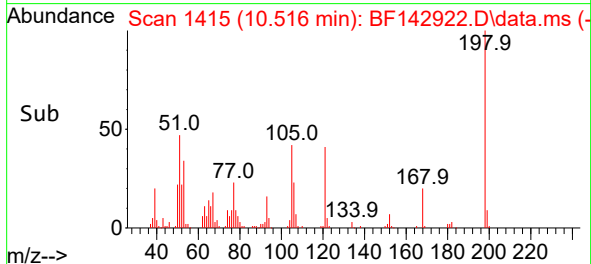
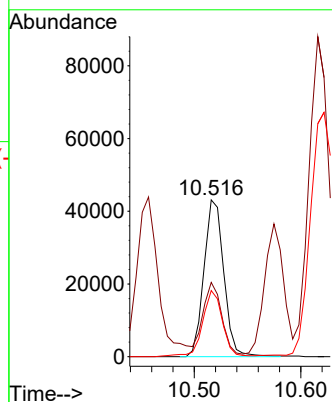
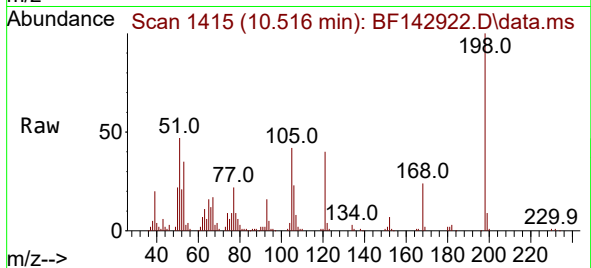




#65
4,6-Dinitro-2-methylphenol
Concen: 41.474 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

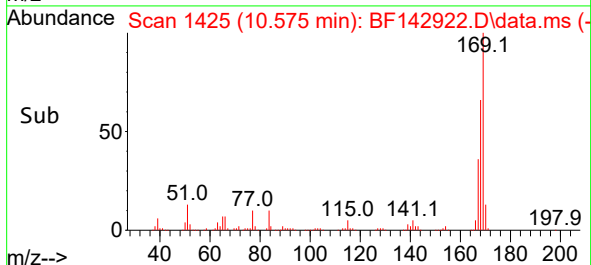
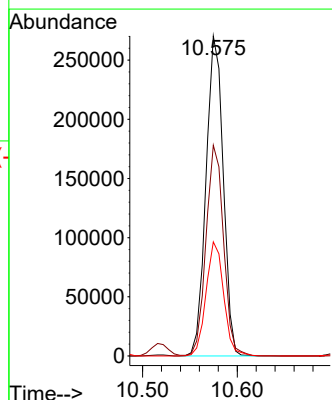
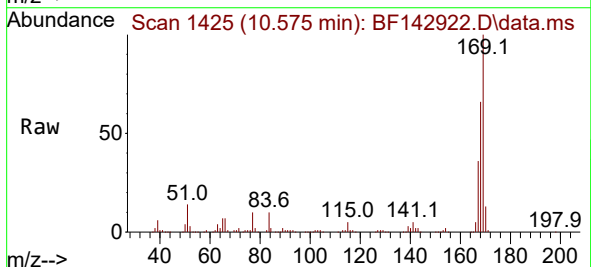
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

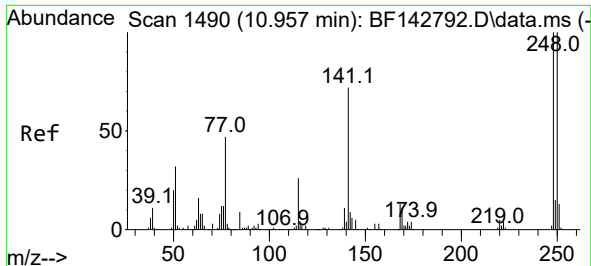
Tgt Ion:198 Resp: 55973
Ion Ratio Lower Upper
198 100
51 47.4 25.4 65.4
105 42.1 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 44.145 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:169 Resp: 341361
Ion Ratio Lower Upper
169 100
168 65.9 51.9 77.9
167 35.6 28.5 42.7

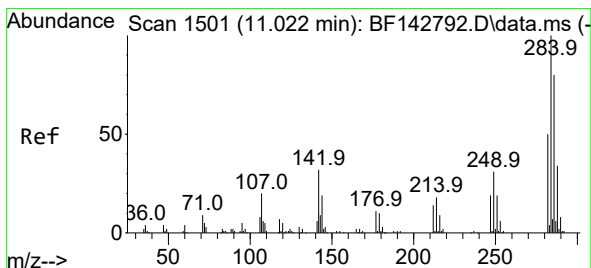
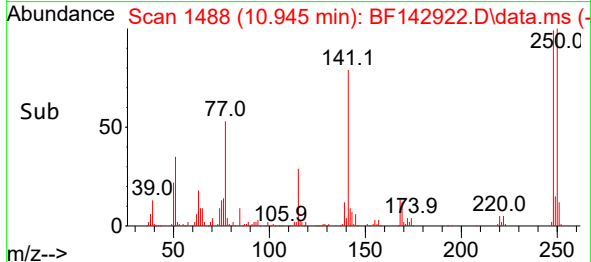
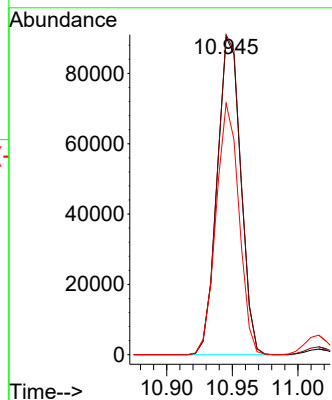
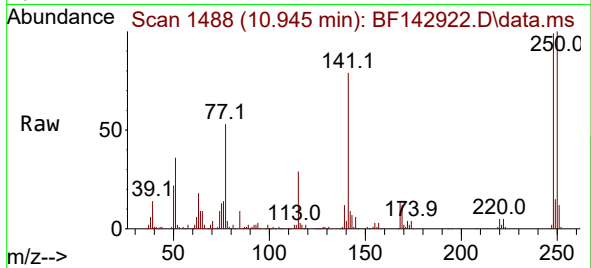




#67
4-Bromophenyl-phenylether
Concen: 44.546 ng
RT: 10.945 min Scan# 1490
Delta R.T. -0.012 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

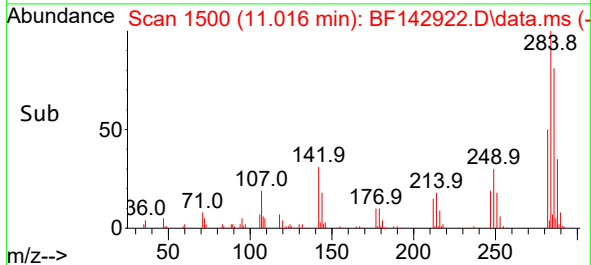
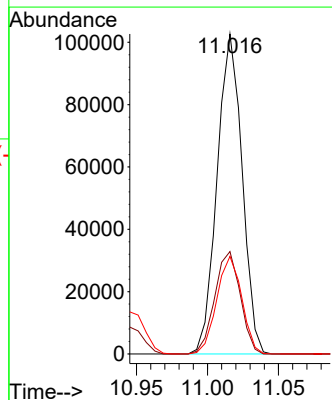
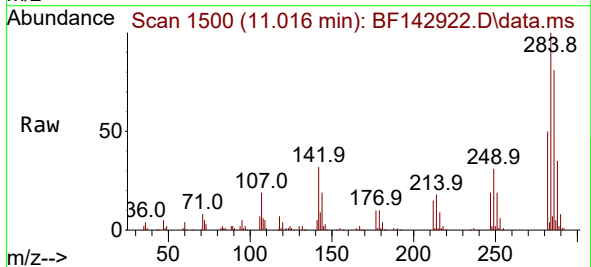
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

Tgt Ion:248 Resp: 113116
Ion Ratio Lower Upper
248 100
250 100.7 79.8 119.8
141 79.1 57.8 86.6



#68
Hexachlorobenzene
Concen: 44.491 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:284 Resp: 125535
Ion Ratio Lower Upper
284 100
142 32.0 25.5 38.3
249 30.5 24.9 37.3





#69

Atrazine

Concen: 52.538 ng

RT: 11.104 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

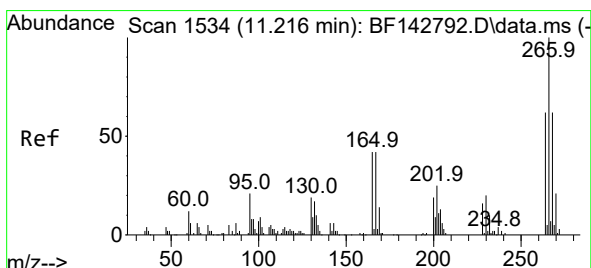
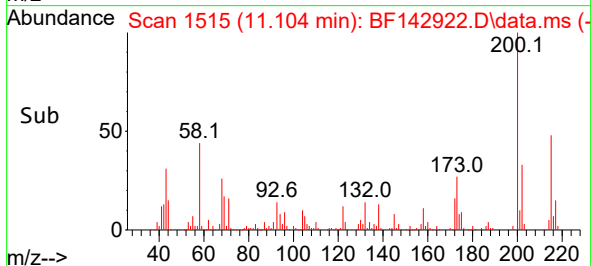
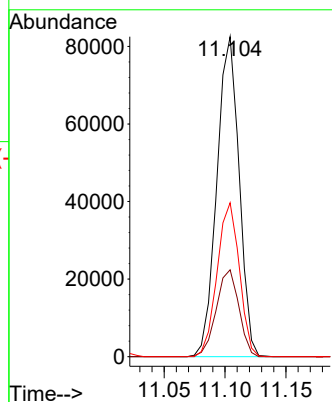
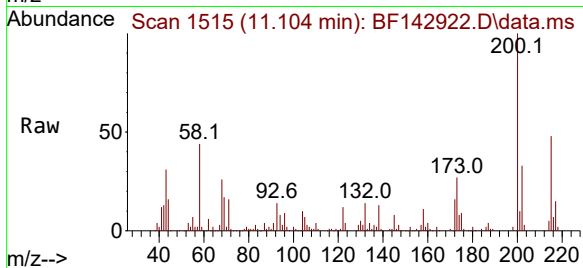
Tgt Ion:200 Resp: 104911

Ion Ratio Lower Upper

200 100

173 27.2 7.4 47.4

215 48.1 28.4 68.4



#70

Pentachlorophenol

Concen: 80.643 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

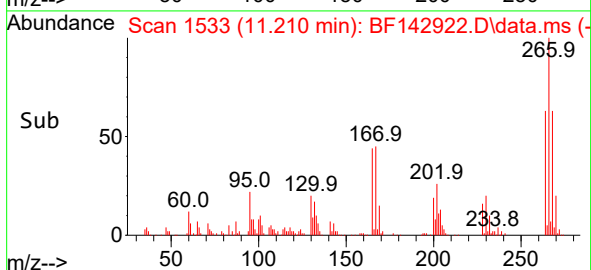
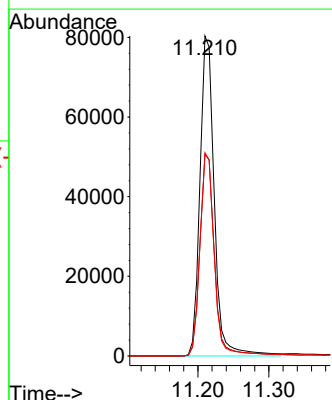
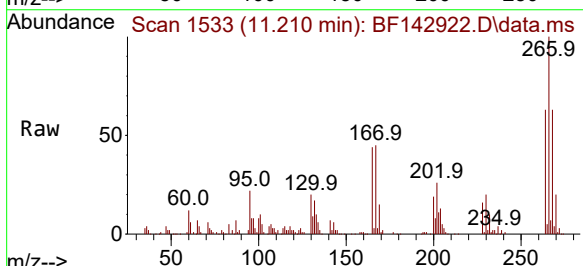
Tgt Ion:266 Resp: 113384

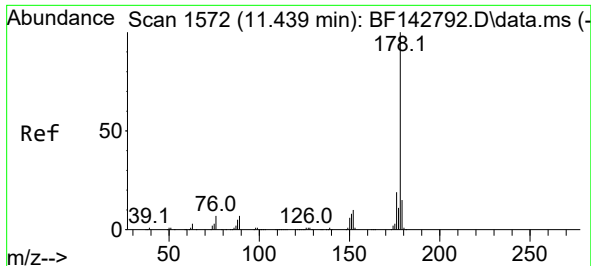
Ion Ratio Lower Upper

266 100

268 63.0 49.8 74.8

264 63.5 49.9 74.9

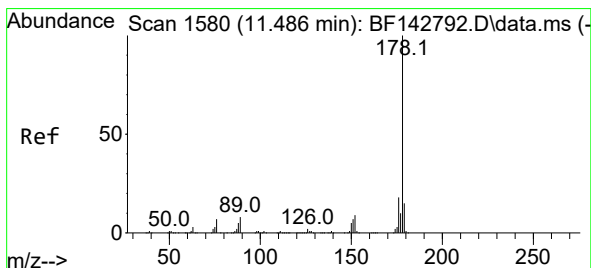
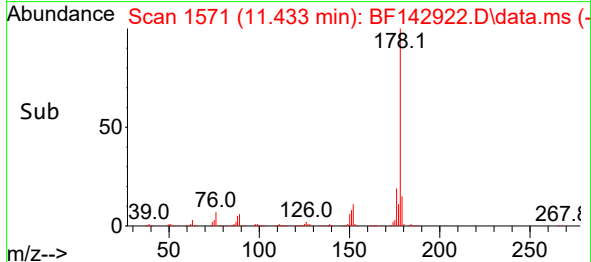
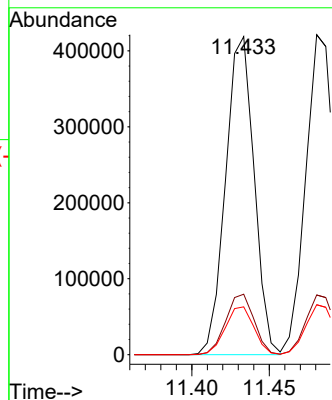
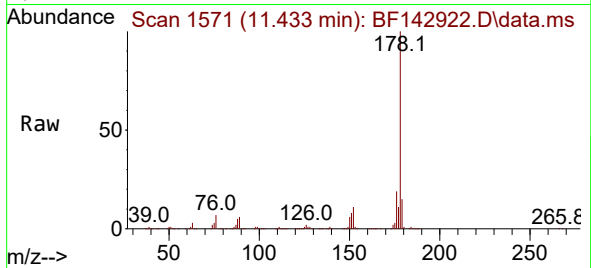




#71
Phenanthrene
Concen: 44.383 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

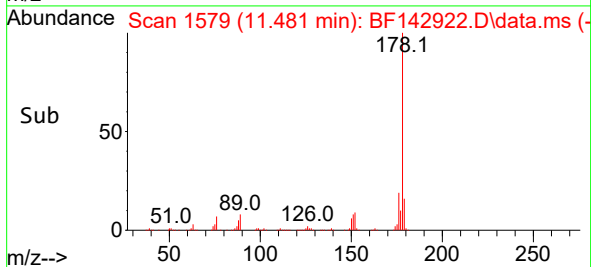
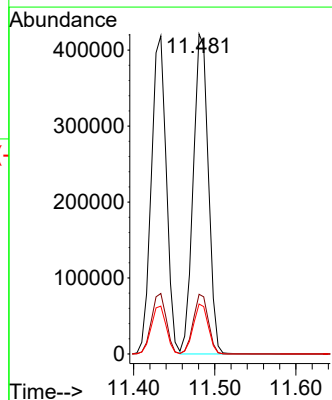
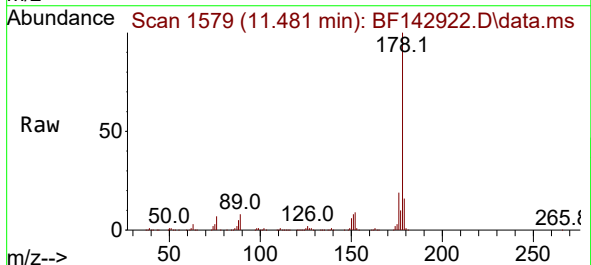
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

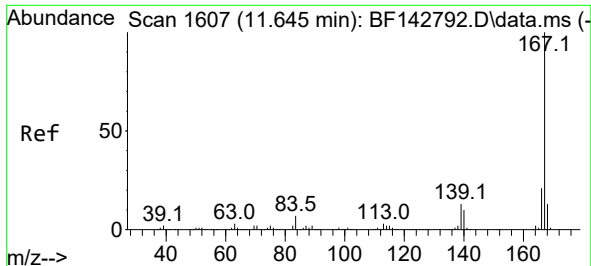
Tgt Ion:178 Resp: 536432
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.0 12.0 18.0



#72
Anthracene
Concen: 44.065 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:178 Resp: 546217
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.6 12.4 18.6

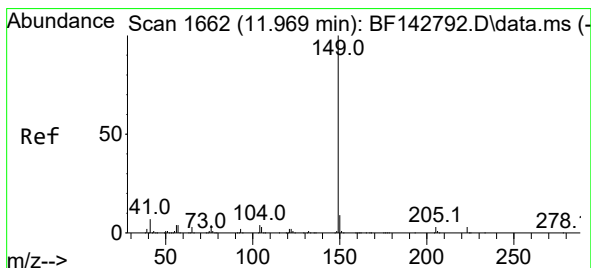
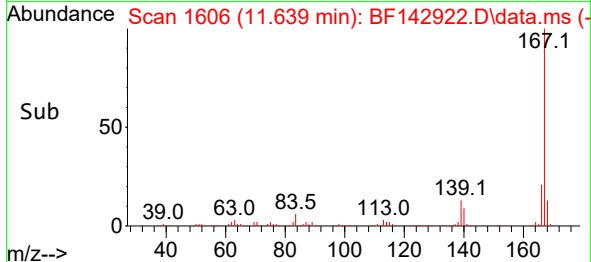
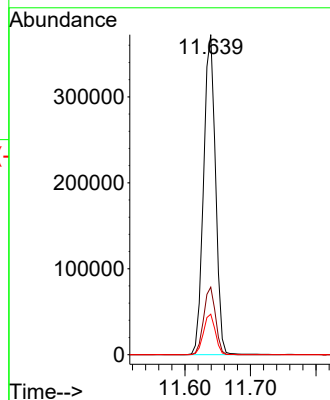
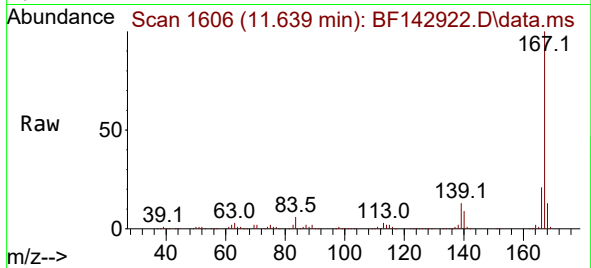




#73
 Carbazole
 Concen: 44.097 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

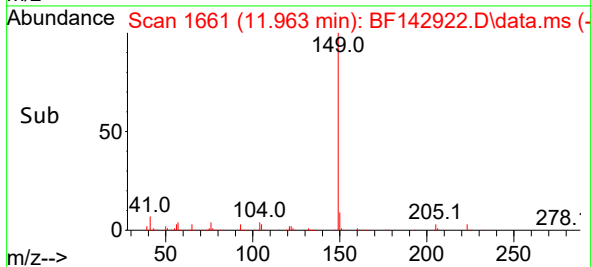
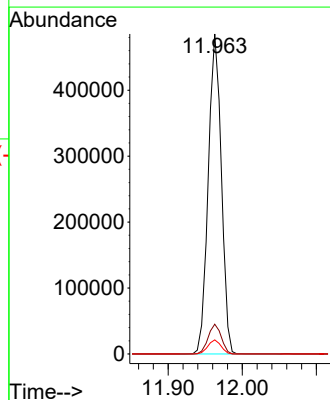
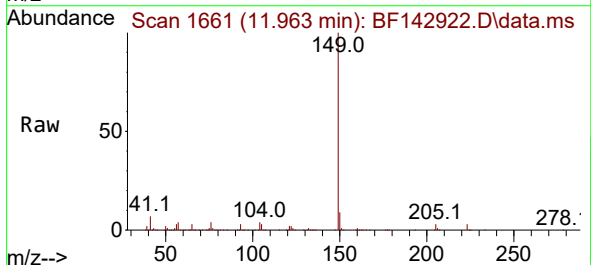
Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

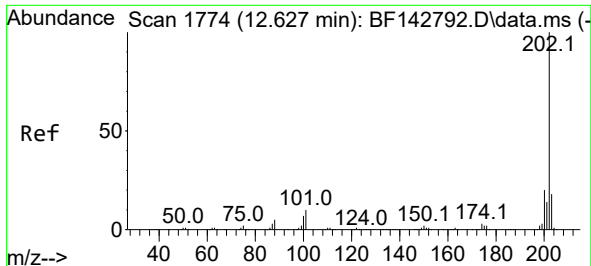
Tgt Ion:167 Resp: 471711
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.7 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 53.390 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

Tgt Ion:149 Resp: 594954
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 4.4 3.5 5.3

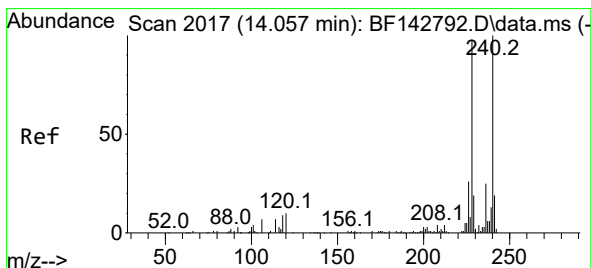
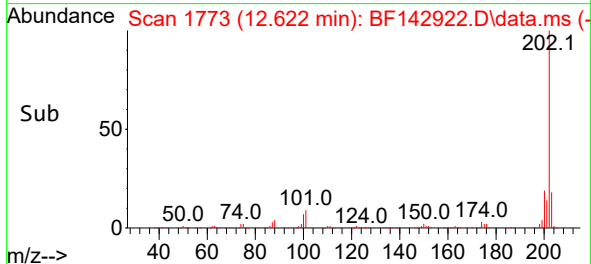
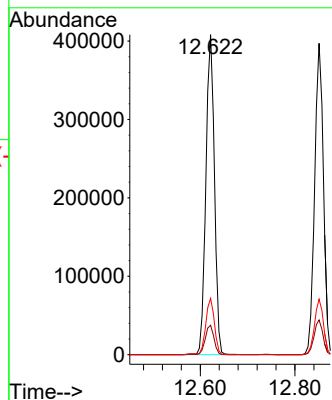
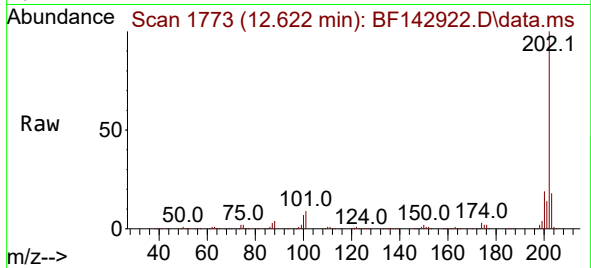




#75
Fluoranthene
Concen: 44.633 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

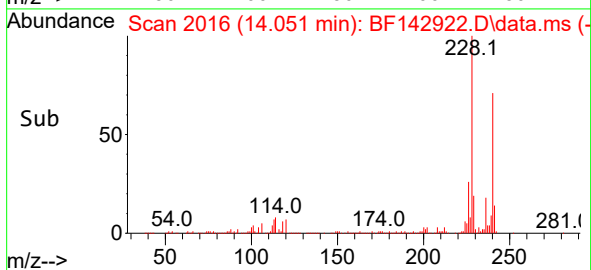
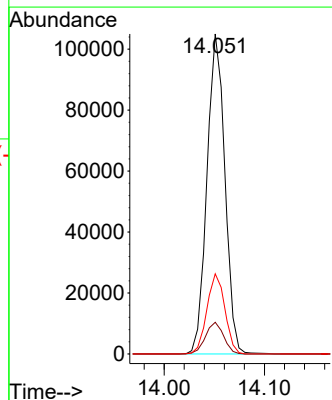
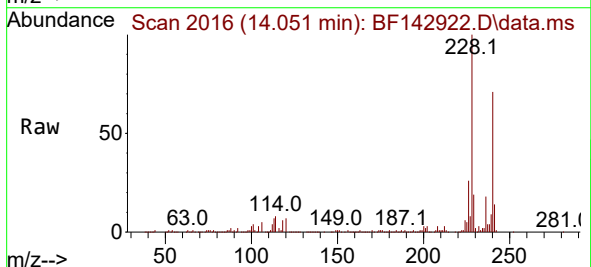
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

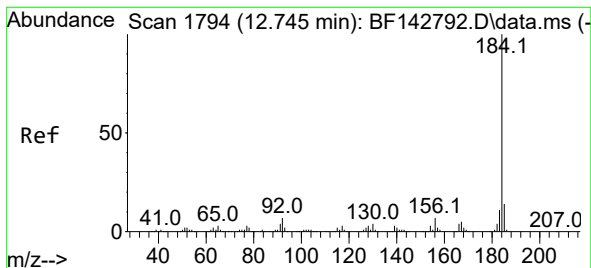
Tgt Ion:202 Resp: 511971
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:240 Resp: 130553
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 25.0 19.8 29.8





#77

Benzidine

Concen: 21.920 ng

RT: 12.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

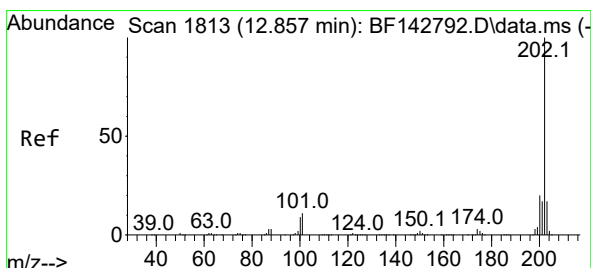
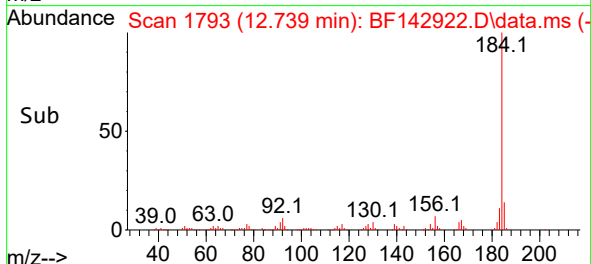
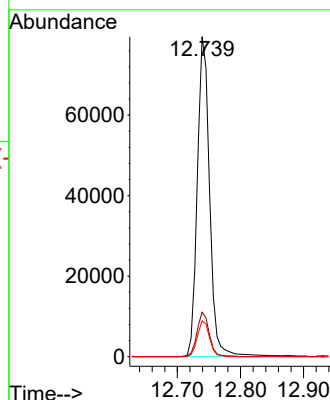
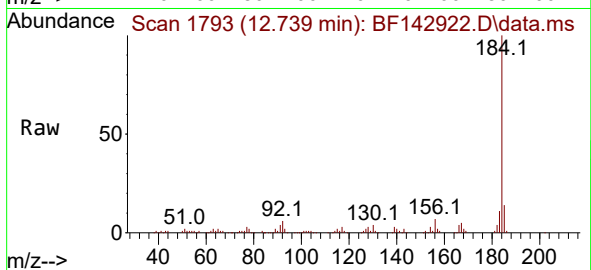
Tgt Ion:184 Resp: 107520

Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 11.2 9.0 13.4



#78

Pyrene

Concen: 41.933 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

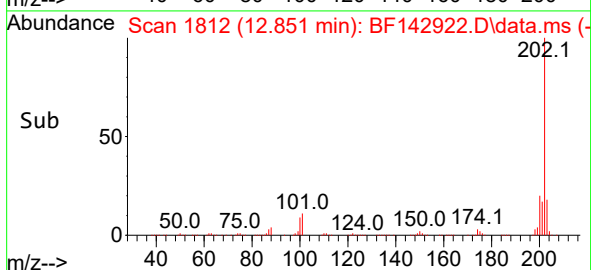
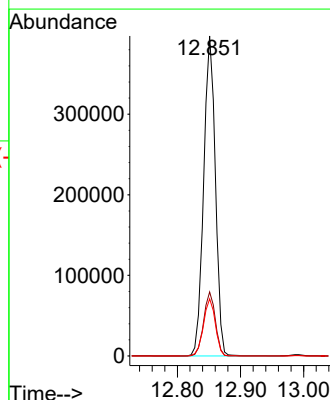
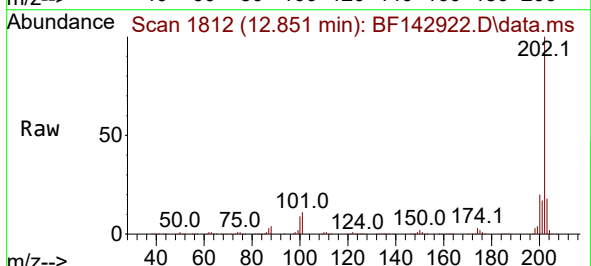
Tgt Ion:202 Resp: 513149

Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.9 13.8 20.6

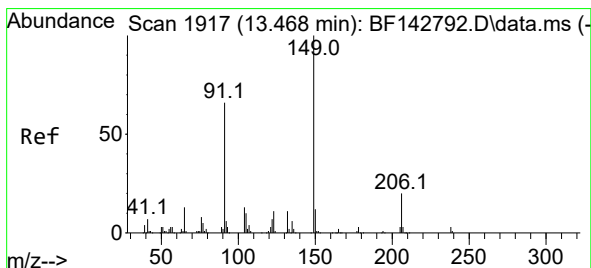
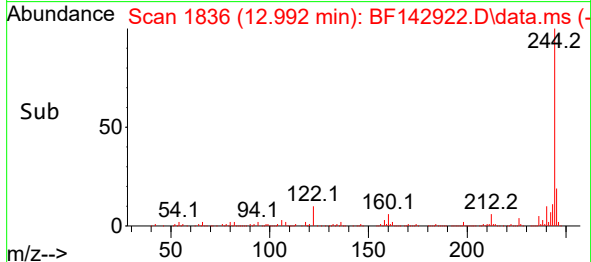
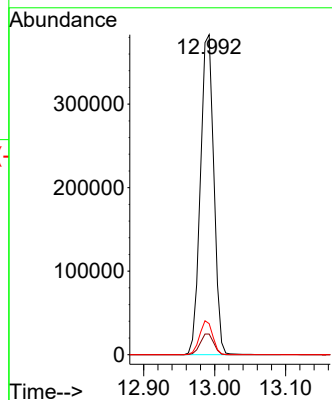
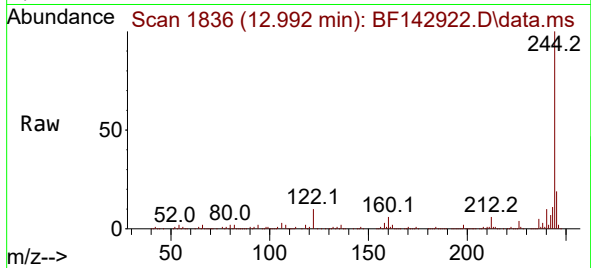




#79
 Terphenyl-d14
 Concen: 53.469 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

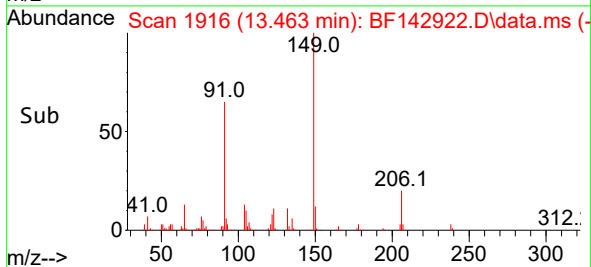
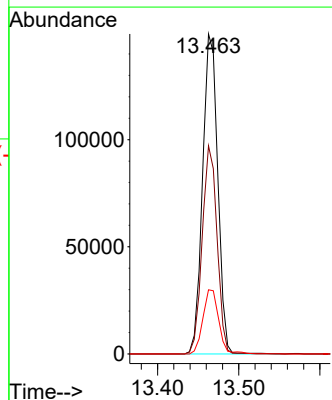
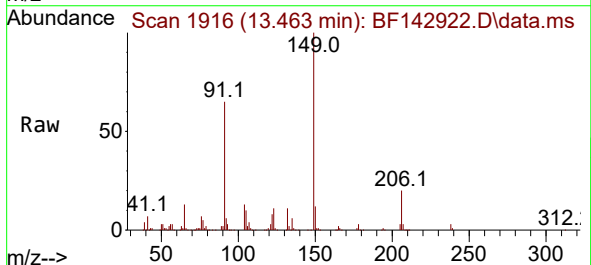
Instrument :
 BNA_F
 ClientSampleId :
 MH-E/FMSD

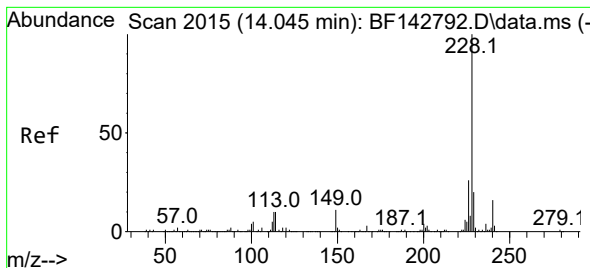
Tgt Ion:244 Resp: 505216
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.7 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 54.434 ng
 RT: 13.463 min Scan# 1916
 Delta R.T. -0.006 min
 Lab File: BF142922.D
 Acq: 30 Jun 2025 18:43

Tgt Ion:149 Resp: 193223
 Ion Ratio Lower Upper
 149 100
 91 65.1 52.9 79.3
 206 20.0 16.3 24.5





#81

Benzo(a)anthracene

Concen: 43.186 ng

RT: 14.039 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

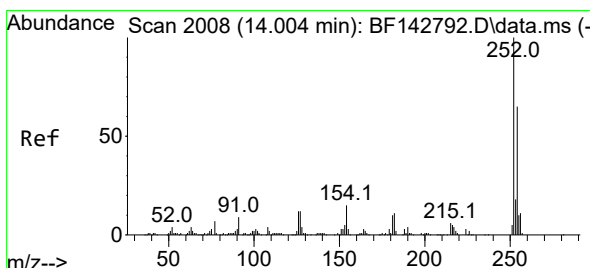
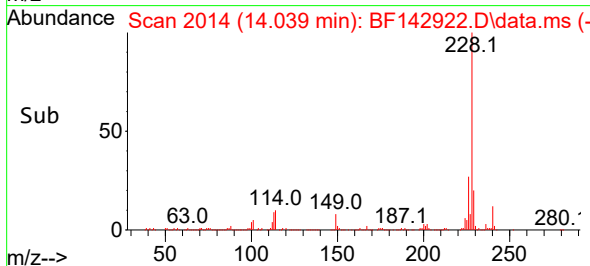
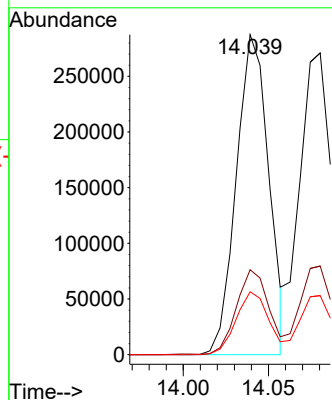
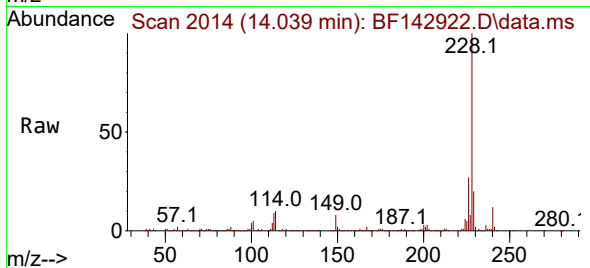
Tgt Ion:228 Resp: 380347

Ion Ratio Lower Upper

228 100

226 26.6 21.2 31.8

229 19.7 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 14.983 ng

RT: 13.998 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

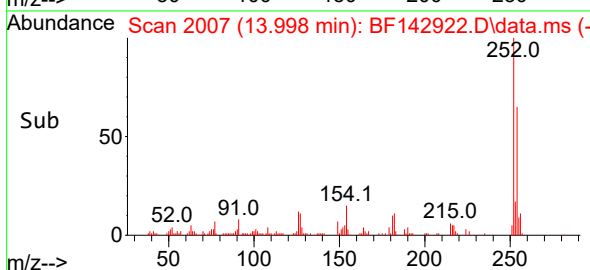
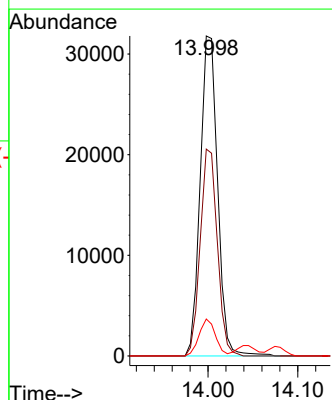
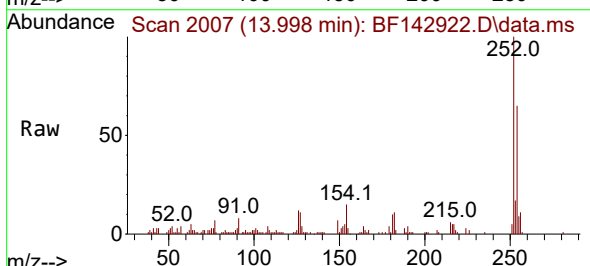
Tgt Ion:252 Resp: 42802

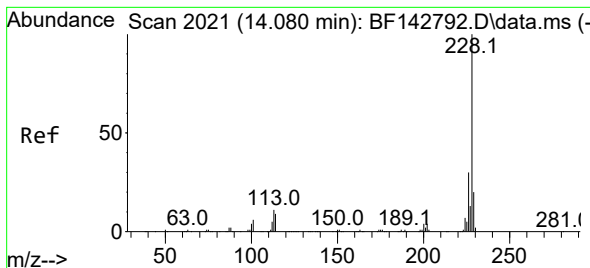
Ion Ratio Lower Upper

252 100

254 64.6 51.7 77.5

126 11.6 9.4 14.2





#83

Chrysene

Concen: 45.577 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

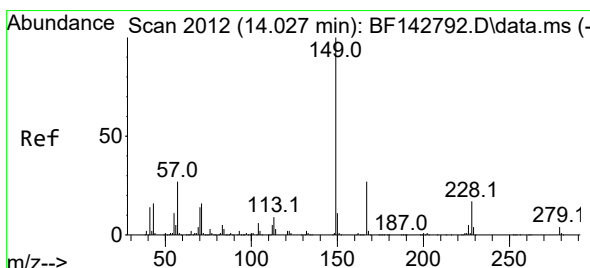
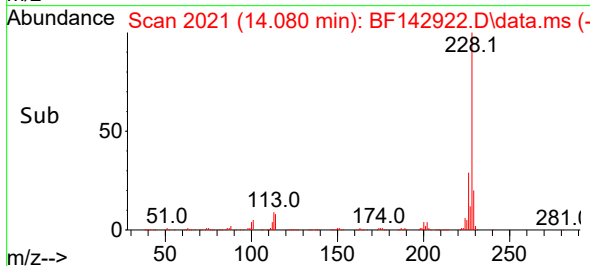
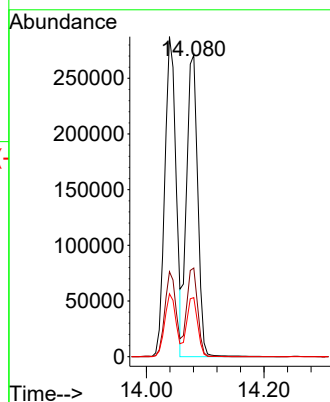
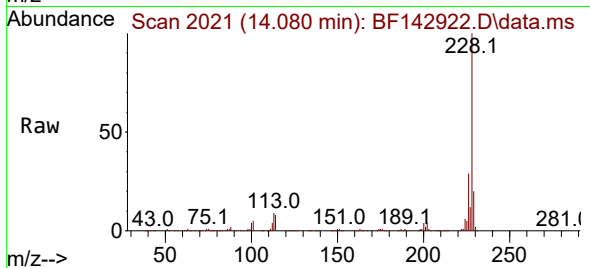
Tgt Ion:228 Resp: 358185

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.288 ng

RT: 14.022 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

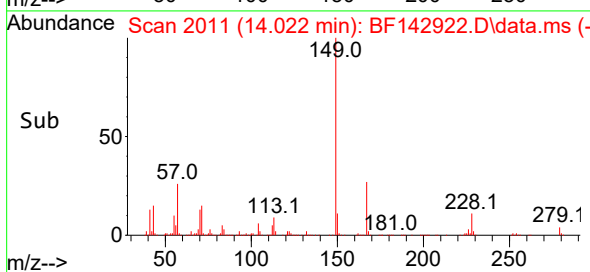
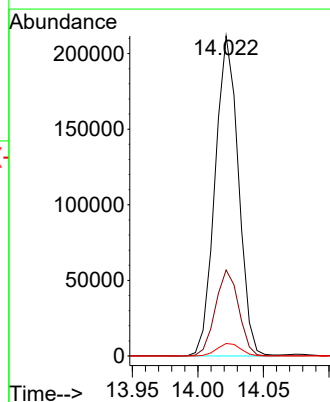
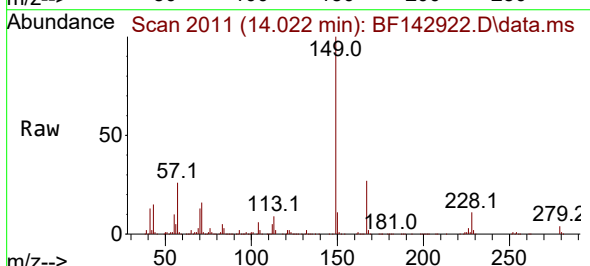
Tgt Ion:149 Resp: 261938

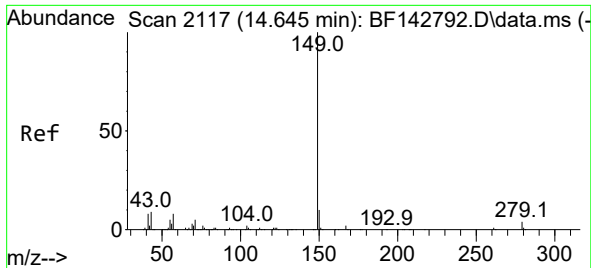
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 3.9 3.0 4.6

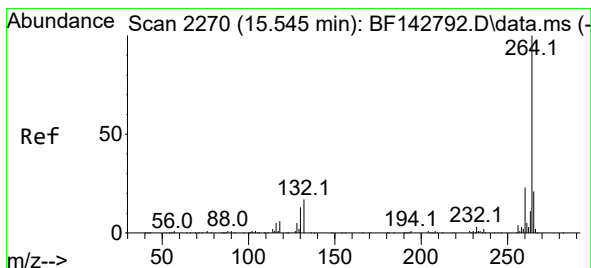
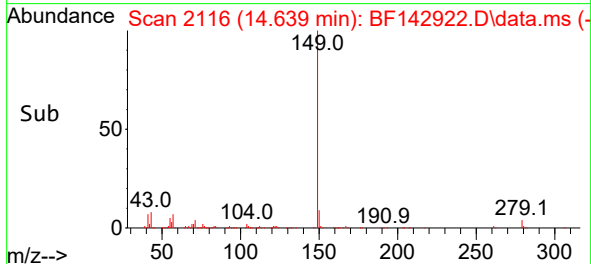
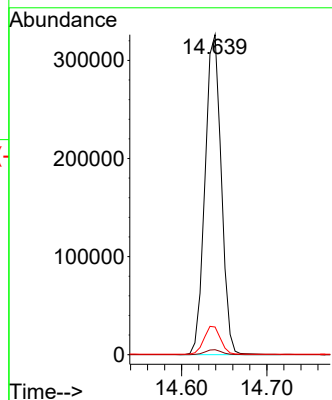
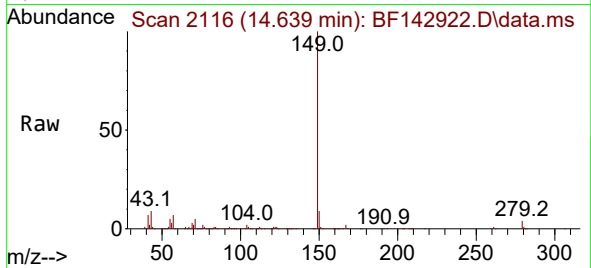




#85
Di-n-octyl phthalate
Concen: 44.829 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

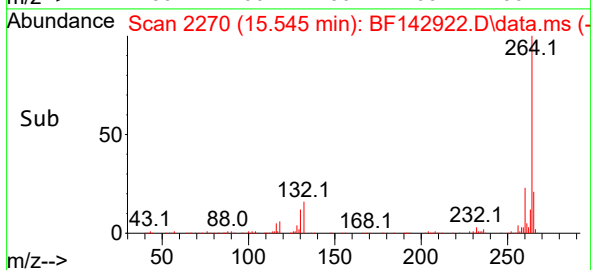
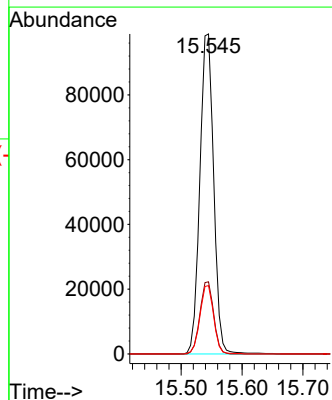
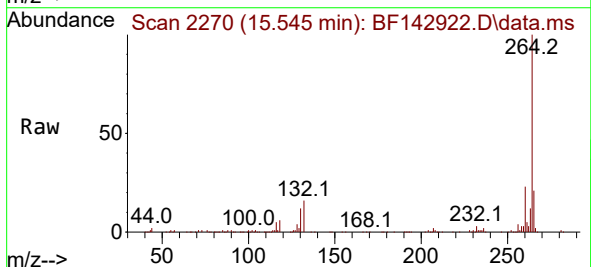
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

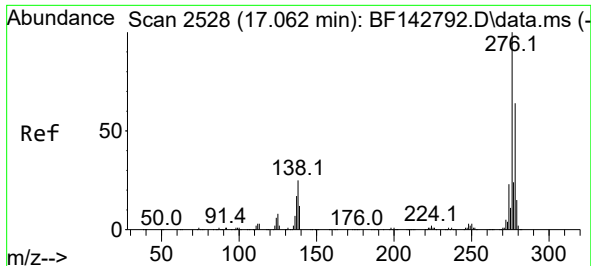
Tgt Ion:149 Resp: 431716
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.9 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:264 Resp: 155370
Ion Ratio Lower Upper
264 100
260 22.6 18.1 27.1
265 21.4 16.6 25.0

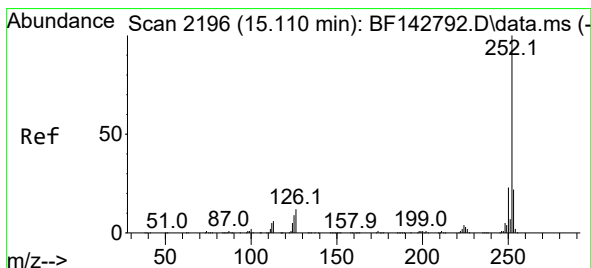
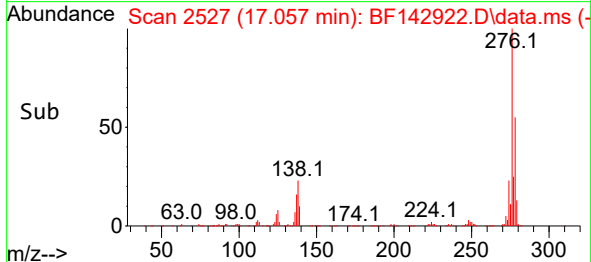
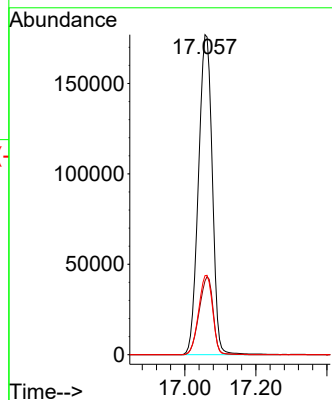
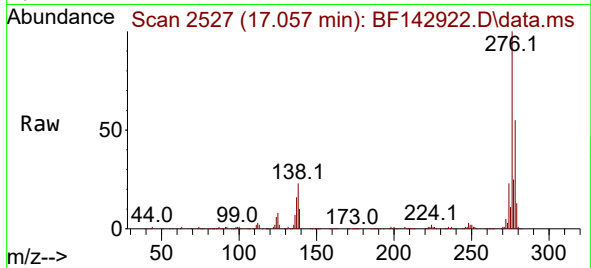




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.454 ng
RT: 17.057 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

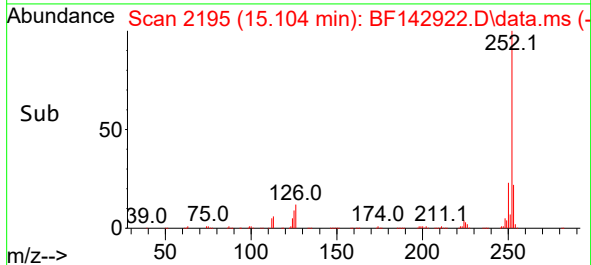
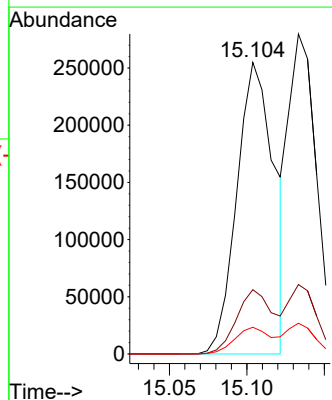
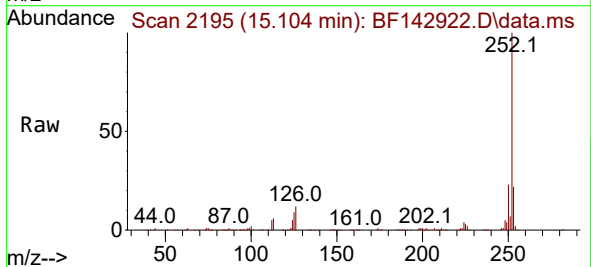
Instrument :
BNA_F
ClientSampleId :
MH-E/FMSD

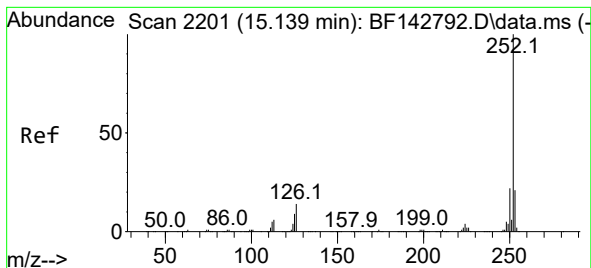
Tgt Ion:276 Resp: 478743
Ion Ratio Lower Upper
276 100
138 24.6 20.2 30.4
277 25.1 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 47.347 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142922.D
Acq: 30 Jun 2025 18:43

Tgt Ion:252 Resp: 425666
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 41.871 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

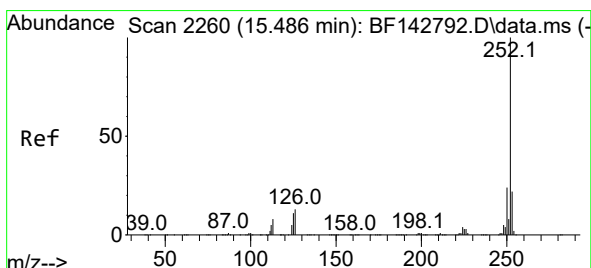
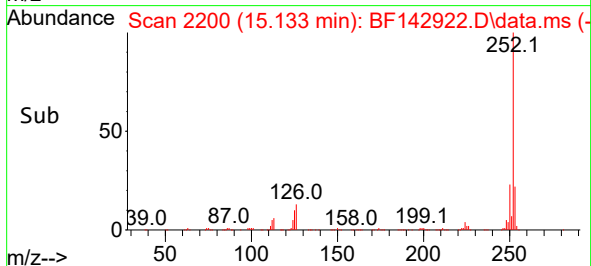
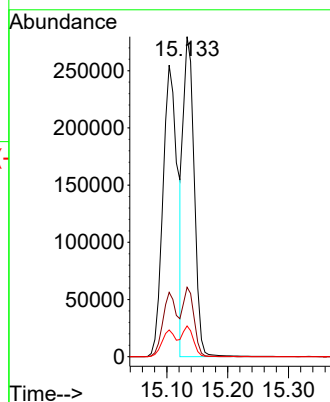
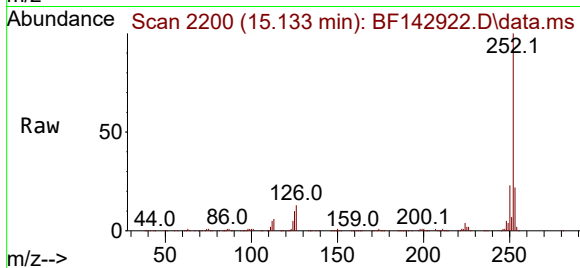
Tgt Ion:252 Resp: 352185

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.6 7.4 11.2



#90

Benzo(a)pyrene

Concen: 44.980 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

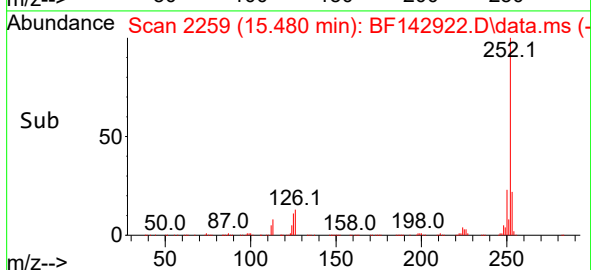
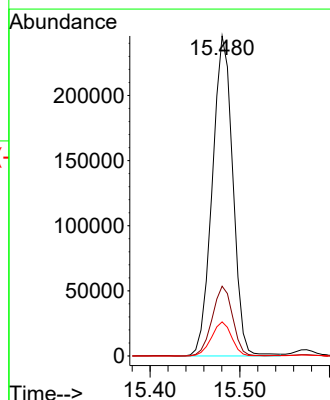
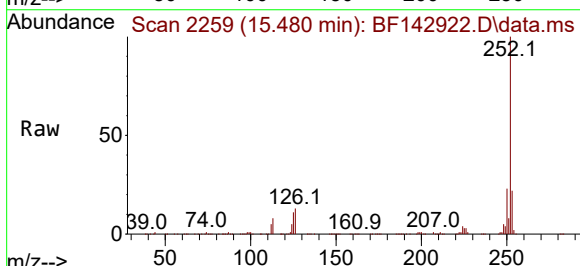
Tgt Ion:252 Resp: 390663

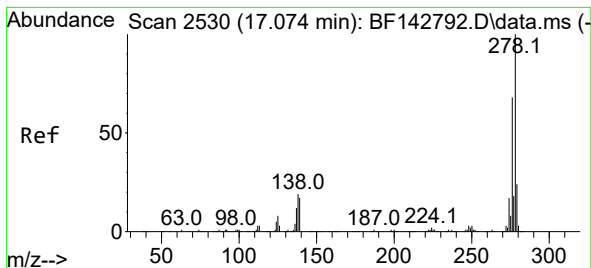
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 40.378 ng

RT: 17.074 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Instrument :

BNA_F

ClientSampleId :

MH-E/FMSD

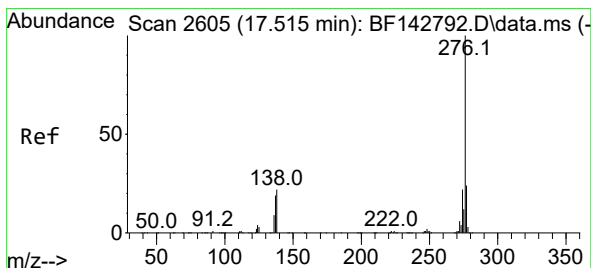
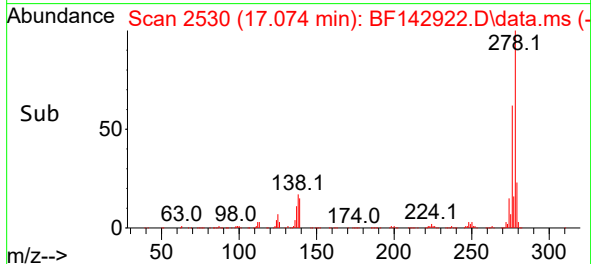
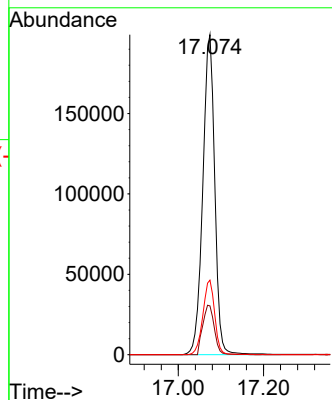
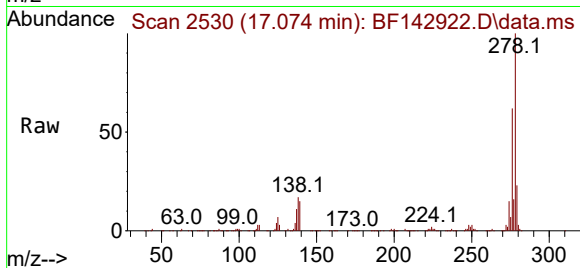
Tgt Ion:278 Resp: 388256

Ion Ratio Lower Upper

278 100

139 15.3 13.5 20.3

279 23.3 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 39.524 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142922.D

Acq: 30 Jun 2025 18:43

Tgt Ion:276 Resp: 378974

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 20.5 17.6 26.4

