

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144081.D
 Acq On : 27 Oct 2025 14:04
 Operator : RC/JU
 Sample : Q3385-06MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WWMSD

Quant Time: Oct 27 14:35:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	49404	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	184320	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	89189	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	144598	20.000	ng	0.00
76) Chrysene-d12	14.063	240	116309	20.000	ng	0.00
86) Perylene-d12	15.545	264	164968	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	185673	59.460	ng	0.00
7) Phenol-d6	6.504	99	148627	43.097	ng	0.00
23) Nitrobenzene-d5	7.439	82	310888	92.408	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	95195	83.791	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	596651	94.139	ng	0.00
79) Terphenyl-d14	13.004	244	580328	87.228	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	35561	26.354	ng	99
3) Pyridine	3.446	79	76086	21.062	ng	97
4) n-Nitrosodimethylamine	3.381	42	62445	28.131	ng	97
6) Aniline	6.539	93	96849	19.630	ng	97
8) 2-Chlorophenol	6.663	128	123167	40.052	ng	99
10) Phenol	6.516	94	94713	22.261	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	140114	45.575	ng	98
12) 1,3-Dichlorobenzene	6.822	146	143967	37.952	ng	97
13) 1,4-Dichlorobenzene	6.898	146	147116	39.352	ng	98
14) 1,2-Dichlorobenzene	7.051	146	145250	40.154	ng	98
15) Benzyl Alcohol	7.022	79	115727	41.270	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	255754	44.263	ng	97
17) 2-Methylphenol	7.134	107	88619	37.468	ng	96
18) Hexachloroethane	7.392	117	49666	37.159	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	109156	48.946	ng	97
20) 3+4-Methylphenols	7.281	107	96412	34.482	ng	# 68
22) Acetophenone	7.286	105	214604	53.875	ng	94
24) Nitrobenzene	7.463	77	158618	44.569	ng	98
25) Isophorone	7.698	82	274493	46.668	ng	98
26) 2-Nitrophenol	7.775	139	76675	45.288	ng	99
27) 2,4-Dimethylphenol	7.810	122	116731	46.396	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	170295	46.426	ng	99
29) 2,4-Dichlorophenol	8.022	162	120615	41.224	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	131663	43.741	ng	98
31) Naphthalene	8.186	128	373789	42.967	ng	99
32) Benzoic acid	7.934	122	97529	61.112	ng	87
33) 4-Chloroaniline	8.233	127	50973	16.831	ng	96
34) Hexachlorobutadiene	8.298	225	97311	39.537	ng	98
35) Caprolactam	8.592	113	9973	13.592	ng	# 88
36) 4-Chloro-3-methylphenol	8.710	107	104564	40.497	ng	96
37) 2-Methylnaphthalene	8.875	142	228037	39.758	ng	96
38) 1-Methylnaphthalene	8.975	142	237092	43.631	ng	98
40) 1,2,4,5-Tetrachloroben...	9.039	216	157639	51.428	ng	98
41) Hexachlorocyclopentadiene	9.028	237	119219	125.925	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	96027	48.197	ng	99
44) 2,4,5-Trichlorophenol	9.198	196	97649	46.699	ng	97

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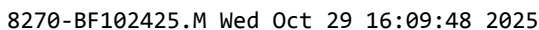
Instrument :
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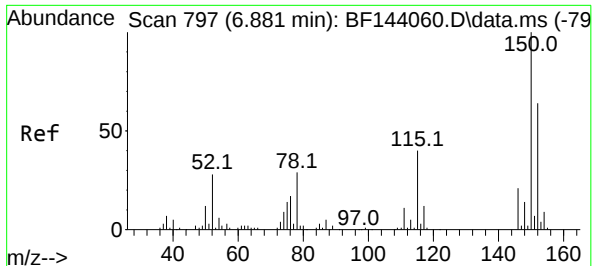
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	346841	54.325	ng	100
47) 2-Chloronaphthalene	9.363	162	258873	48.398	ng	97
48) 2-Nitroaniline	9.463	65	81090	51.054	ng	98
49) Acenaphthylene	9.780	152	385627	53.469	ng	100
50) Dimethylphthalate	9.639	163	293998	50.289	ng	100
51) 2,6-Dinitrotoluene	9.704	165	62124	53.753	ng	93
52) Acenaphthene	9.951	154	241590	50.158	ng	99
53) 3-Nitroaniline	9.869	138	33858	26.349	ng	98
54) 2,4-Dinitrophenol	9.980	184	54788	87.648	ng	95
55) Dibenzofuran	10.127	168	313560	46.893	ng	99
56) 4-Nitrophenol	10.057	139	39535	45.436	ng	96
57) 2,4-Dinitrotoluene	10.104	165	81351	52.154	ng	97
58) Fluorene	10.469	166	244931	48.073	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	72364	49.110	ng	96
60) Diethylphthalate	10.339	149	261261	47.520	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	132877	46.376	ng	98
62) 4-Nitroaniline	10.486	138	52188	42.865	ng	99
63) Azobenzene	10.622	77	262249	50.397	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	43196	46.561	ng	98
66) n-Nitrosodiphenylamine	10.580	169	235572	50.990	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	67738	37.415	ng	# 87
68) Hexachlorobenzene	11.022	284	92011	41.439	ng	# 89
69) Atrazine	11.110	200	42332	27.923	ng	95
70) Pentachlorophenol	11.233	266	97382	92.139	ng	96
71) Phenanthrene	11.439	178	340484	47.402	ng	98
72) Anthracene	11.492	178	351270	47.340	ng	99
73) Carbazole	11.645	167	284242	45.005	ng	99
74) Di-n-butylphthalate	11.969	149	357018	46.106	ng	98
75) Fluoranthene	12.627	202	351597	44.305	ng	99
77) Benzidine	12.751	184	49705	13.732	ng	# 89
78) Pyrene	12.857	202	267046	31.936	ng	99
80) Butylbenzylphthalate	13.474	149	151394	47.858	ng	99
81) Benzo(a)anthracene	14.051	228	390020	49.619	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	81598	29.822	ng	# 97
83) Chrysene	14.086	228	368729	49.990	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	218431	50.579	ng	99
85) Di-n-octyl phthalate	14.645	149	400041	53.864	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	553432	48.864	ng	99
88) Benzo(b)fluoranthene	15.110	252	425872	45.664	ng	100
89) Benzo(k)fluoranthene	15.139	252	443630	51.557	ng	99
90) Benzo(a)pyrene	15.480	252	415903	49.709	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	450035	50.197	ng	99
92) Benzo(g,h,i)perylene	17.509	276	450477	49.977	ng	97

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

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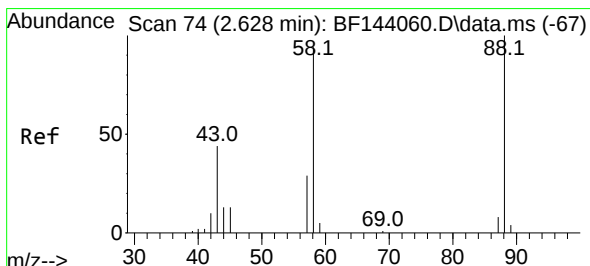
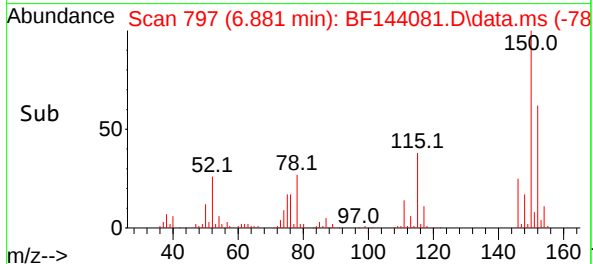
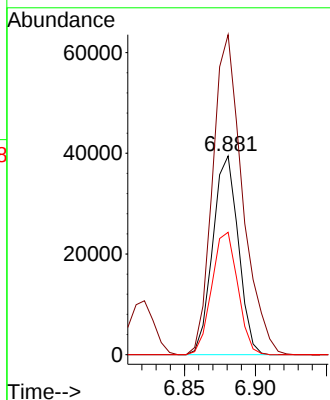
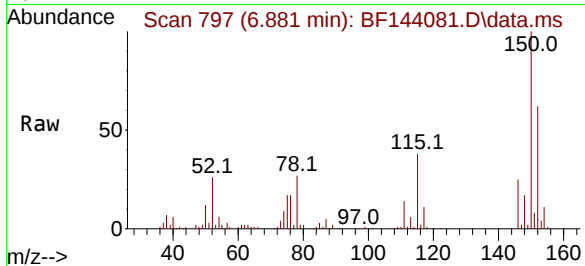




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

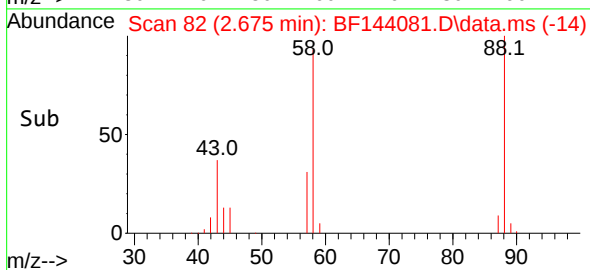
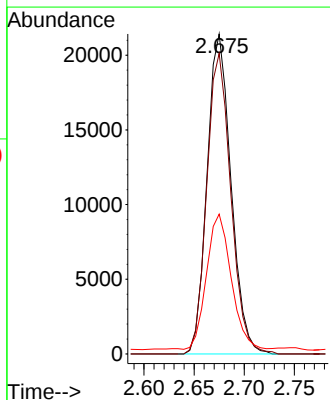
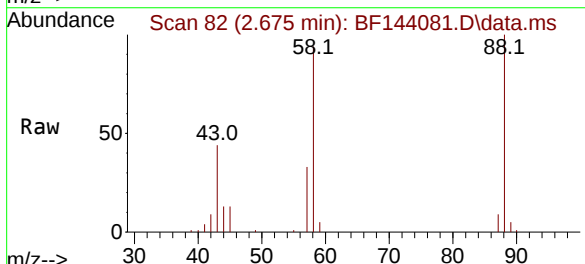
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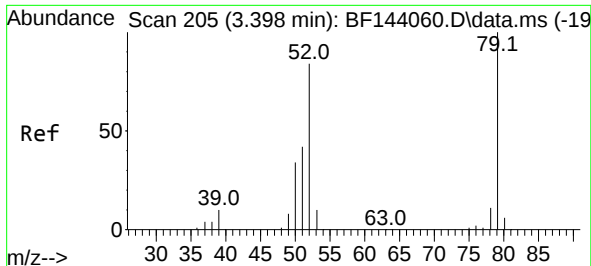
Tgt Ion:152 Resp: 49404
 Ion Ratio Lower Upper
 152 100
 150 161.0 124.4 186.6
 115 61.6 49.4 74.0



#2
 1,4-Dioxane
 Concen: 26.354 ng
 RT: 2.675 min Scan# 82
 Delta R.T. 0.047 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

Tgt Ion: 88 Resp: 35561
 Ion Ratio Lower Upper
 88 100
 58 94.6 76.5 114.7
 43 44.0 35.3 52.9

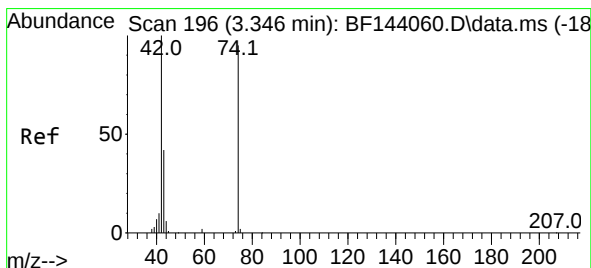
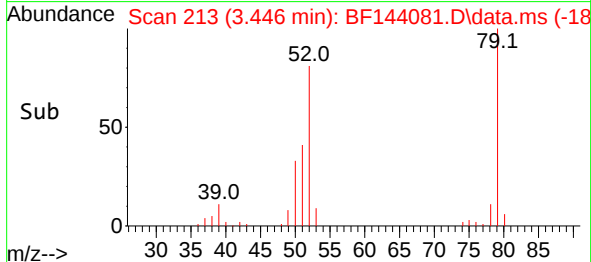
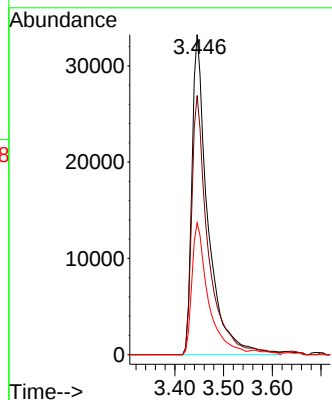
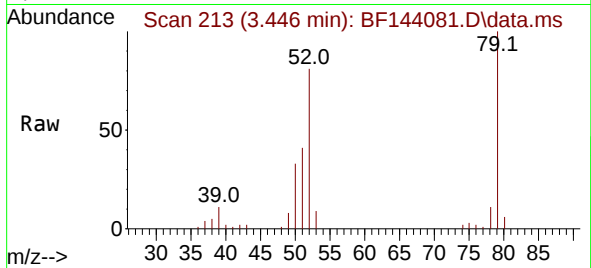




#3
Pyridine
Concen: 21.062 ng
RT: 3.446 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

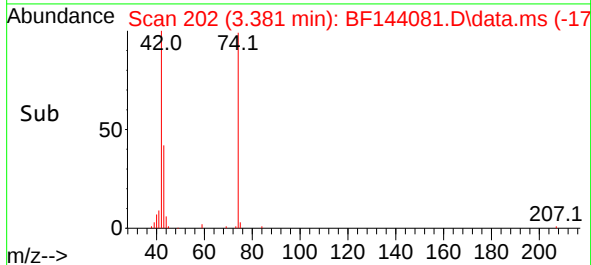
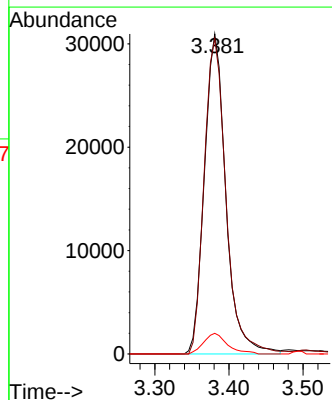
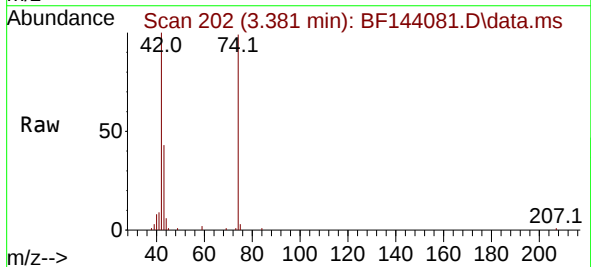
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ClientSampleId :
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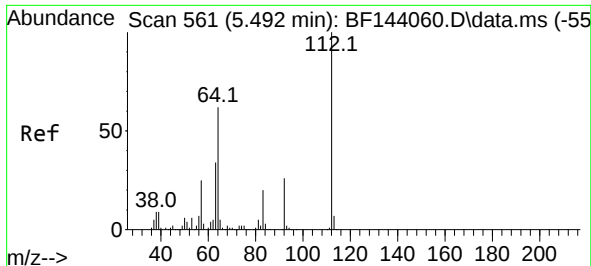
Tgt Ion: 79 Resp: 76086
Ion Ratio Lower Upper
79 100
52 81.0 67.5 101.3
51 41.2 33.6 50.4



#4
n-Nitrosodimethylamine
Concen: 28.131 ng
RT: 3.381 min Scan# 202
Delta R.T. 0.035 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 42 Resp: 62445
Ion Ratio Lower Upper
42 100
74 98.6 76.4 114.6
44 6.5 5.2 7.8

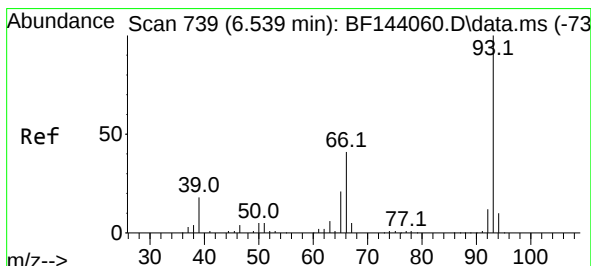
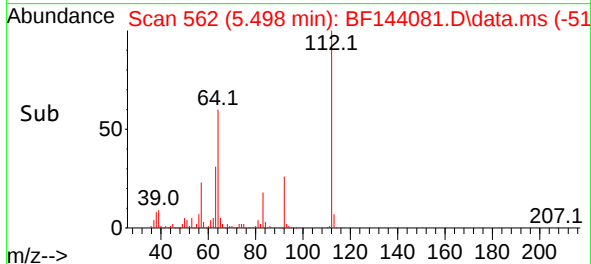
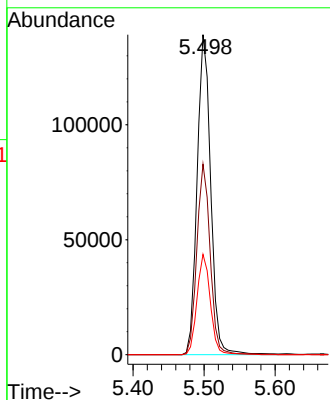
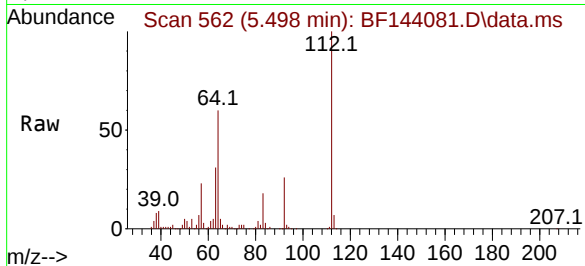




#5
2-Fluorophenol
Concen: 59.460 ng
RT: 5.498 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

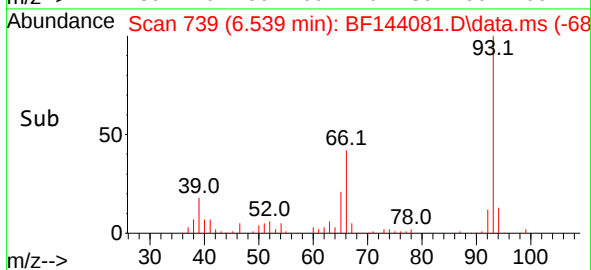
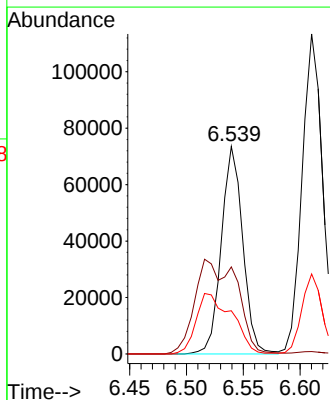
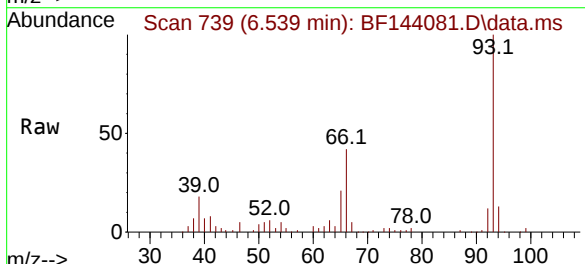
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ClientSampleId :
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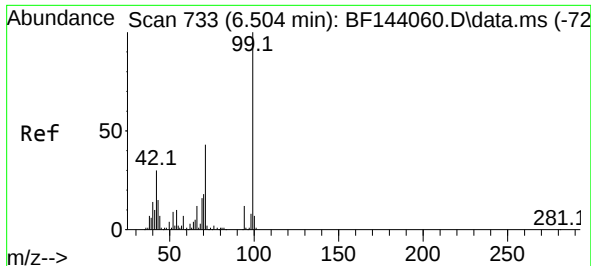
Tgt Ion:112 Resp: 185673
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.8
63 31.4 27.4 41.2



#6
Aniline
Concen: 19.630 ng
RT: 6.539 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 93 Resp: 96849
Ion Ratio Lower Upper
93 100
66 42.0 35.7 53.5
65 20.8 17.0 25.6





#7
Phenol-d6
Concen: 43.097 ng
RT: 6.504 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

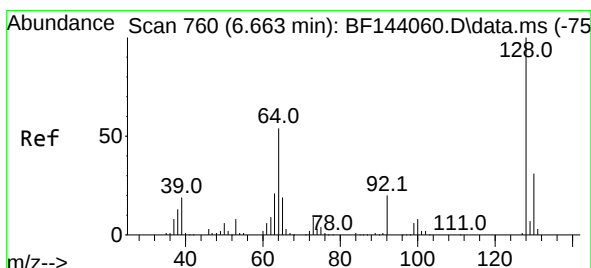
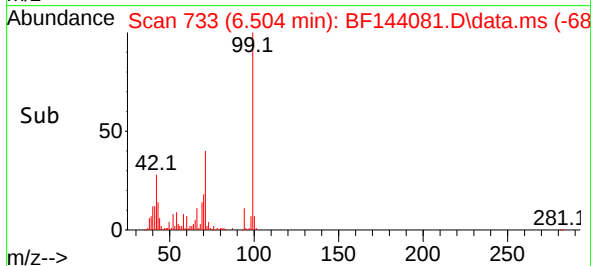
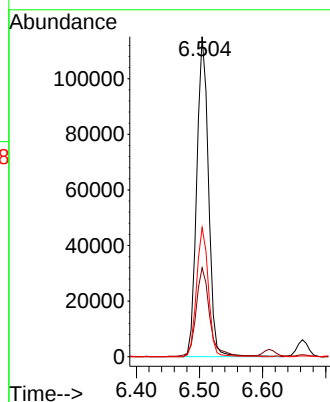
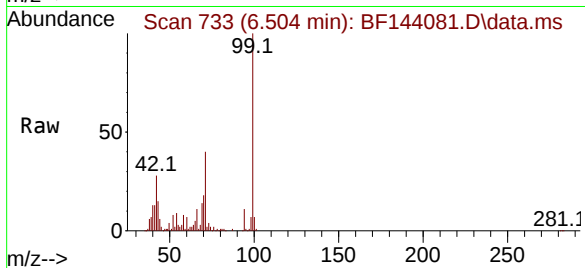
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ClientSampleId :

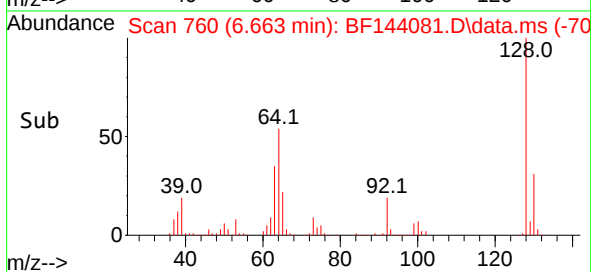
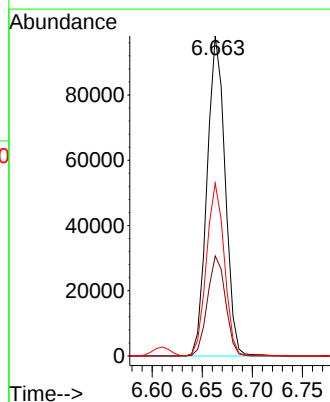
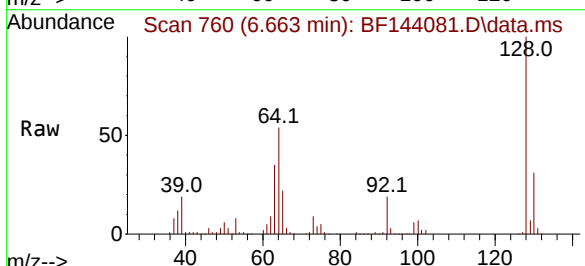
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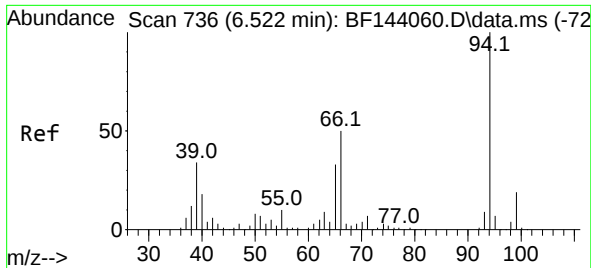
Tgt Ion: 99 Resp: 148627
Ion Ratio Lower Upper
99 100
42 27.8 23.9 35.9
71 40.4 34.4 51.6



#8
2-Chlorophenol
Concen: 40.052 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 128 Resp: 123167
Ion Ratio Lower Upper
128 100
130 31.2 10.7 50.7
64 54.0 34.7 74.7





#10

Phenol

Concen: 22.261 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

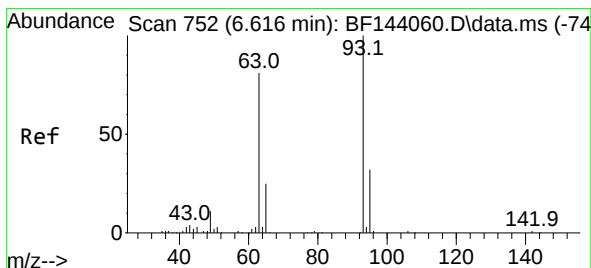
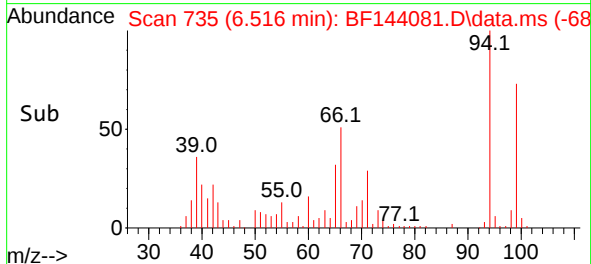
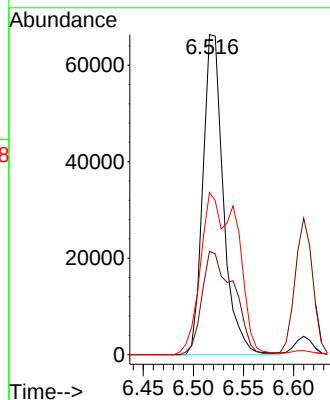
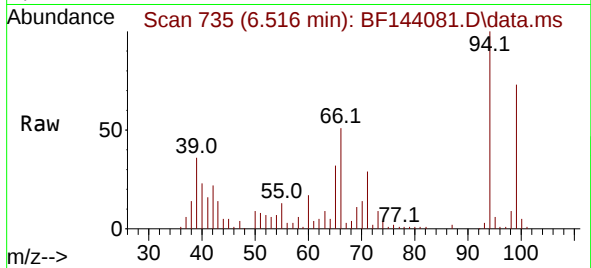
Tgt Ion: 94 Resp: 94713

Ion Ratio Lower Upper

94 100

65 32.3 13.1 53.1

66 50.6 30.6 70.6



#11

bis(2-Chloroethyl)ether

Concen: 45.575 ng

RT: 6.610 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

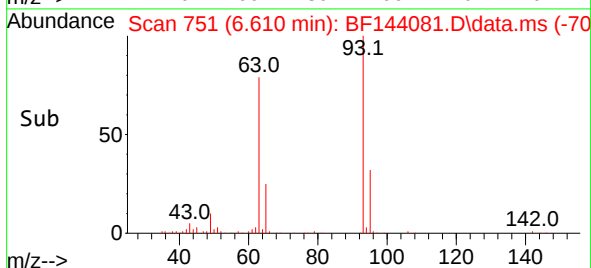
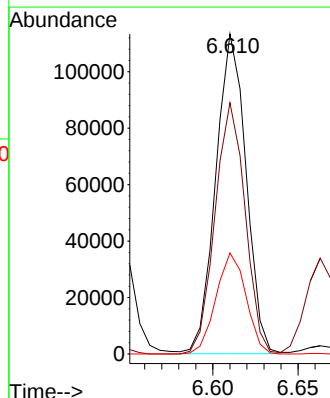
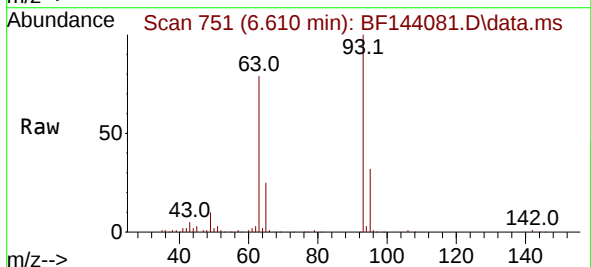
Tgt Ion: 93 Resp: 140114

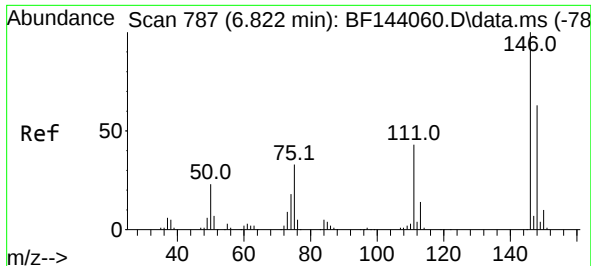
Ion Ratio Lower Upper

93 100

63 78.5 60.2 100.2

95 31.5 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 37.952 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

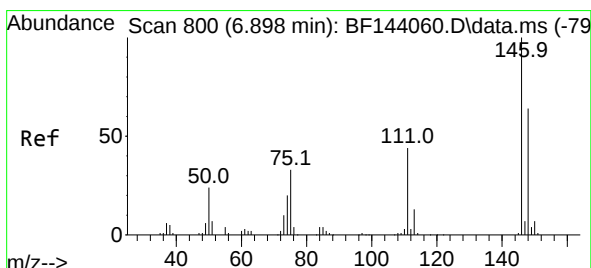
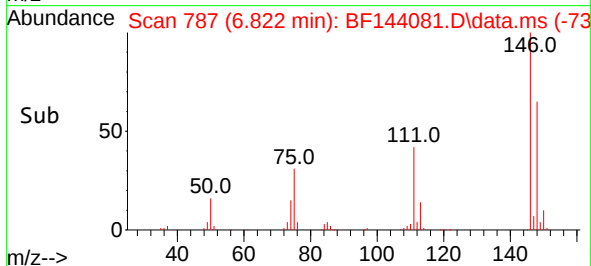
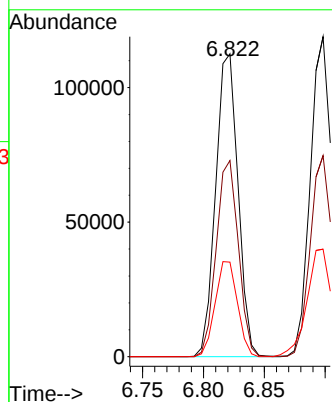
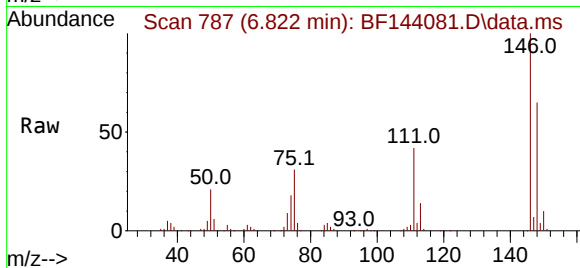
Tgt Ion:146 Resp: 143967

Ion Ratio Lower Upper

146 100

148 64.8 50.6 75.8

75 31.2 26.6 40.0



#13

1,4-Dichlorobenzene

Concen: 39.352 ng

RT: 6.898 min Scan# 800

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

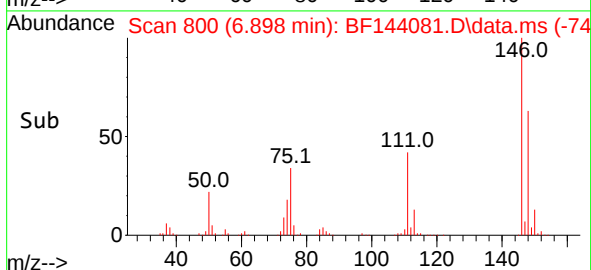
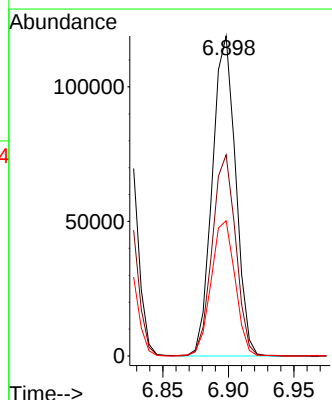
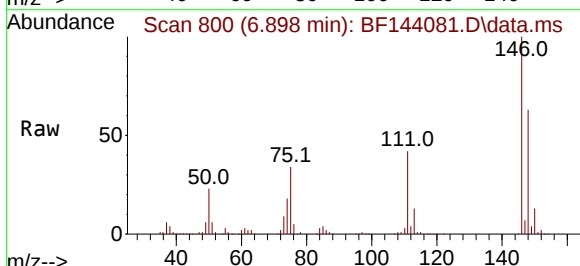
Tgt Ion:146 Resp: 147116

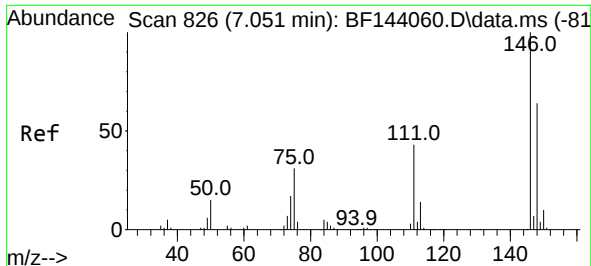
Ion Ratio Lower Upper

146 100

148 62.9 51.0 76.6

111 42.2 35.0 52.6

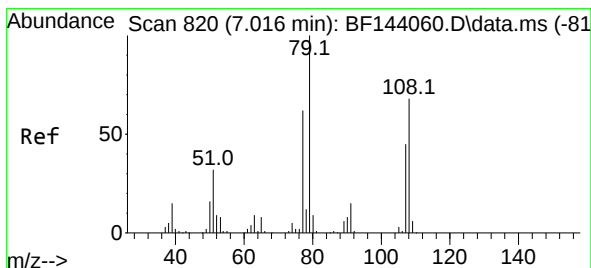
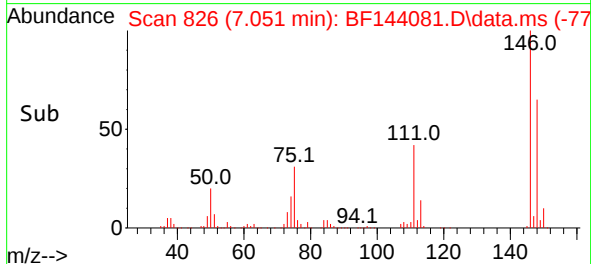
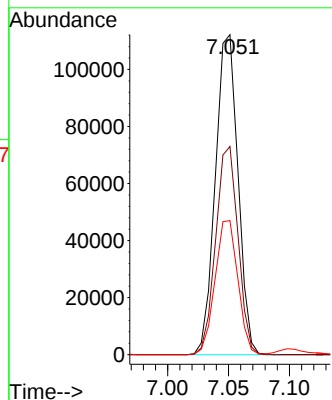
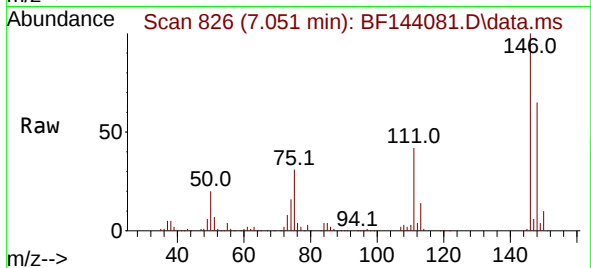




#14
1,2-Dichlorobenzene
Concen: 40.154 ng
RT: 7.051 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

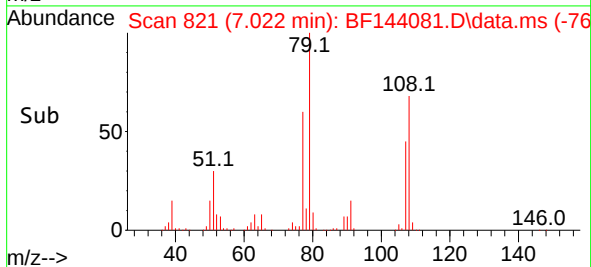
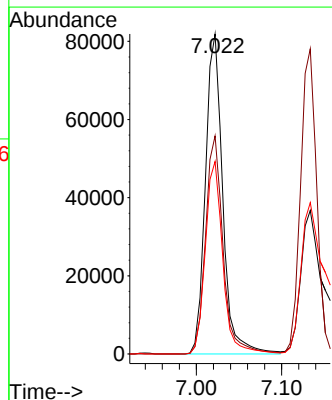
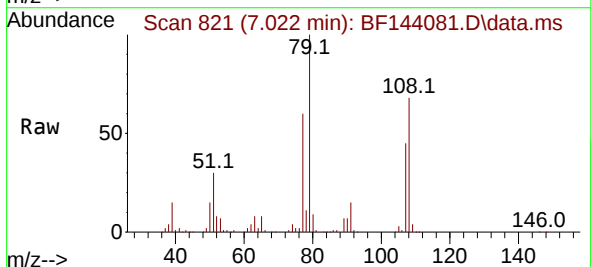
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

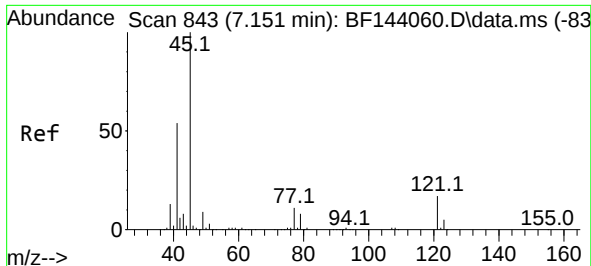
Tgt Ion:146 Resp: 145250
Ion Ratio Lower Upper
146 100
148 65.0 50.8 76.2
111 41.9 34.7 52.1



#15
Benzyl Alcohol
Concen: 41.270 ng
RT: 7.022 min Scan# 821
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 79 Resp: 115727
Ion Ratio Lower Upper
79 100
108 68.1 54.8 82.2
77 60.1 49.4 74.0

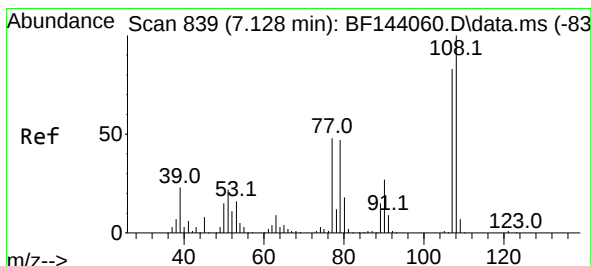
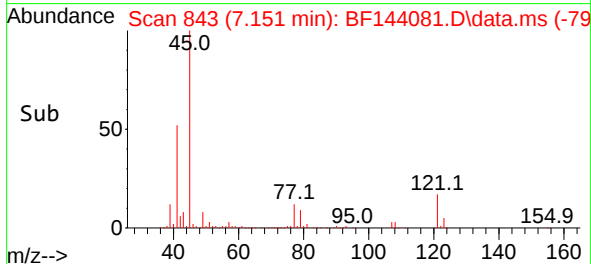
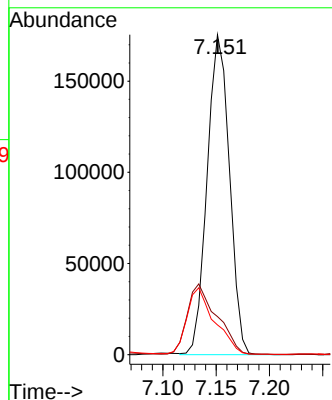
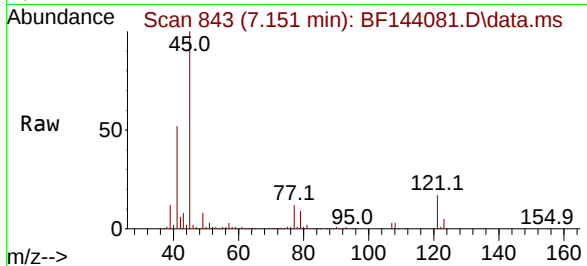




#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.263 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

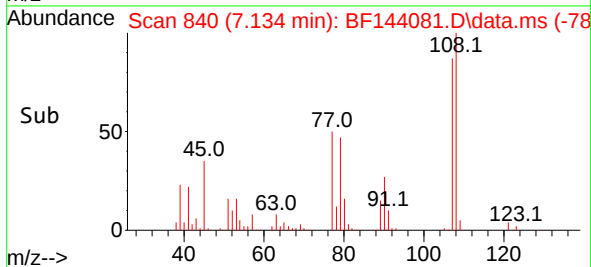
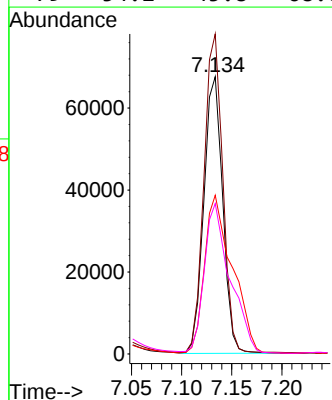
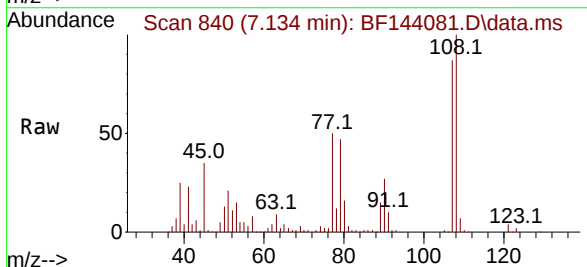
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

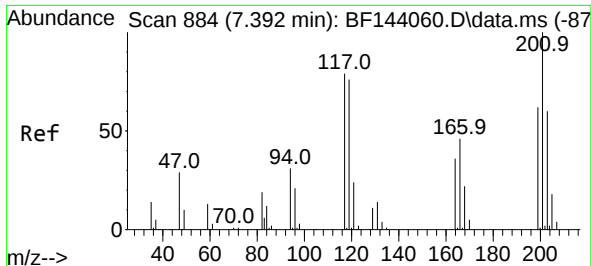
Tgt Ion: 45 Resp: 255754
Ion Ratio Lower Upper
45 100
77 11.9 0.0 30.9
79 9.3 0.0 28.2



#17
2-Methylphenol
Concen: 37.468 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 107 Resp: 88619
Ion Ratio Lower Upper
107 100
108 115.4 96.4 144.6
77 57.3 46.8 70.2
79 54.2 45.8 68.6

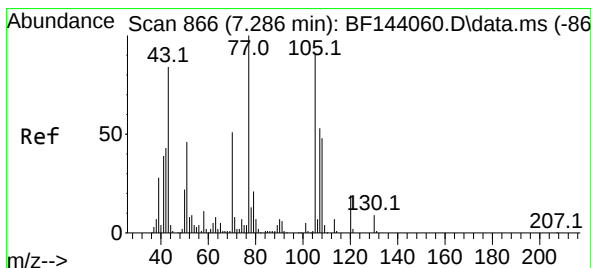
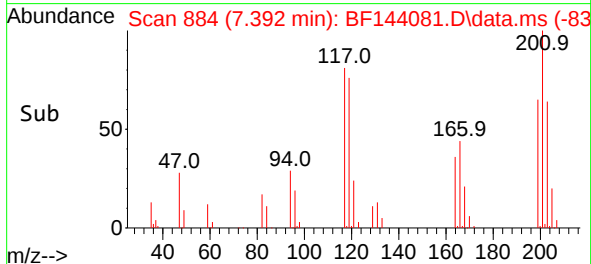
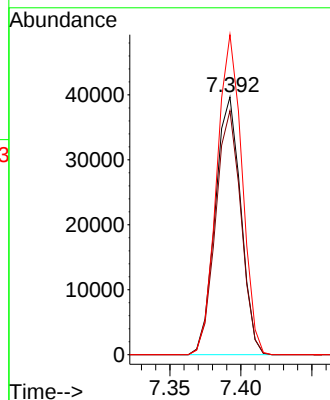
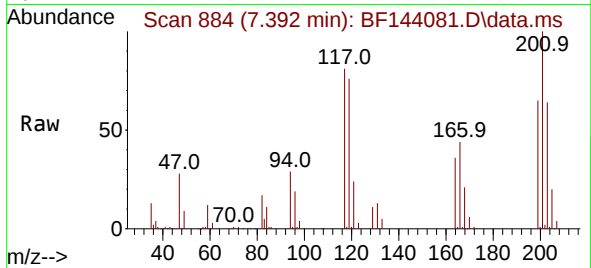




#18
Hexachloroethane
Concen: 37.159 ng
RT: 7.392 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

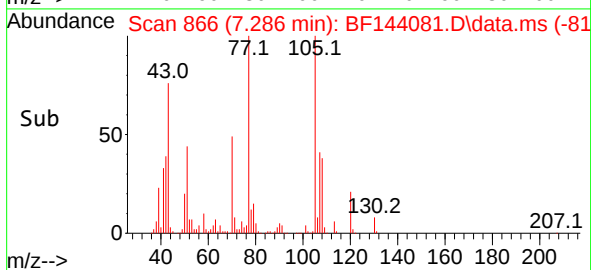
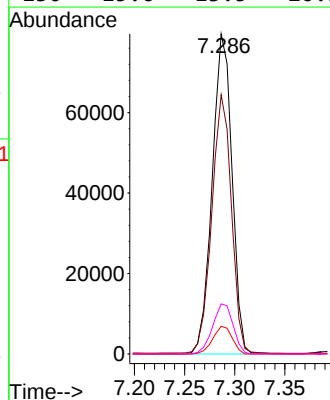
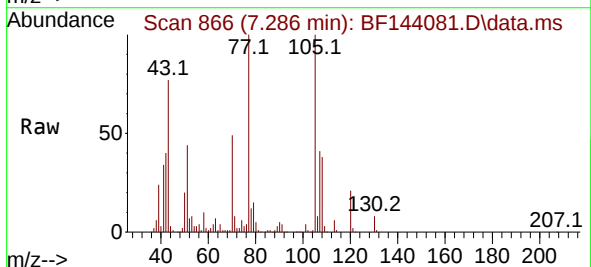
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

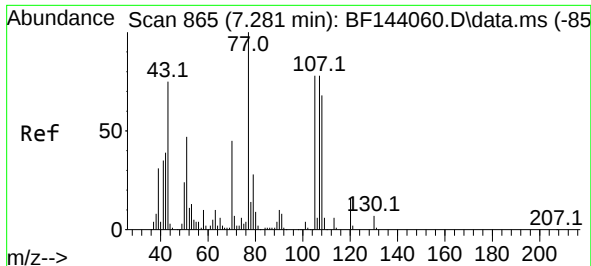
Tgt Ion:117 Resp: 49666
Ion Ratio Lower Upper
117 100
119 94.6 76.6 115.0
201 124.1 100.9 151.3



#19
n-Nitroso-di-n-propylamine
Concen: 48.946 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 70 Resp: 109156
Ion Ratio Lower Upper
70 100
42 81.0 67.4 101.0
101 8.7 7.1 10.7
130 15.6 13.5 20.3

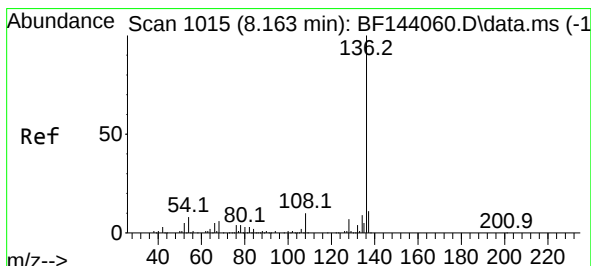
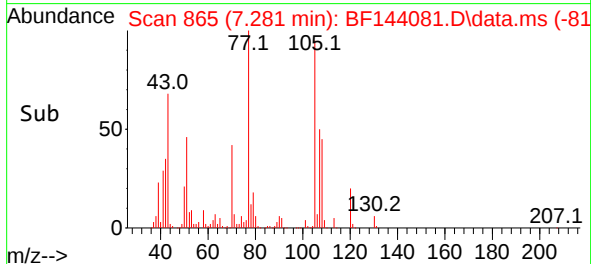
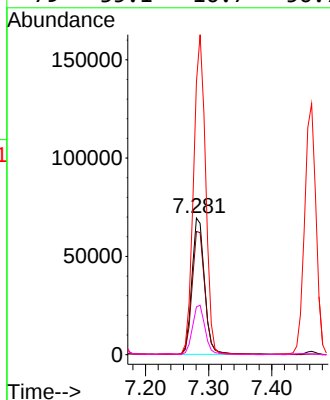
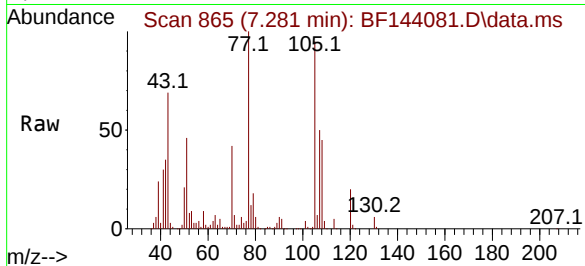




#20
3+4-Methylphenols
Concen: 34.482 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

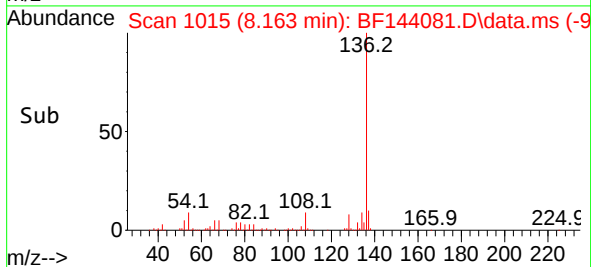
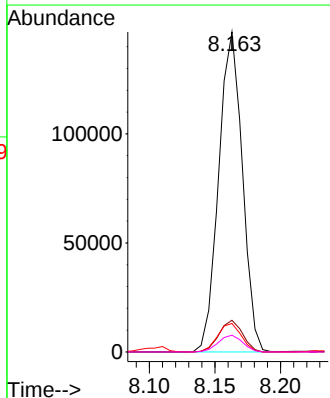
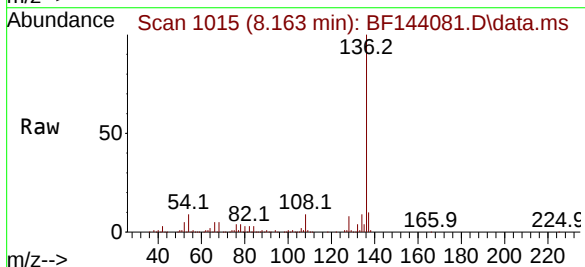
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

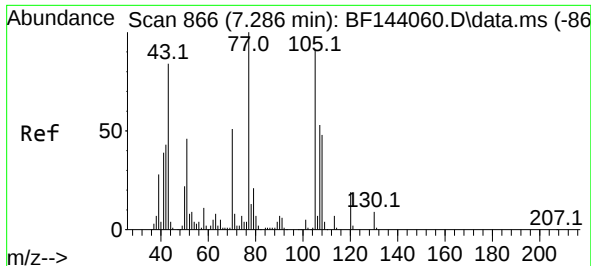
Tgt Ion:107 Resp: 96412
Ion Ratio Lower Upper
107 100
108 90.1 68.0 108.0
77 199.6 108.7 148.7#
79 35.1 16.7 56.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:136 Resp: 184320
Ion Ratio Lower Upper
136 100
137 9.9 8.6 13.0
54 8.9 6.6 9.8
68 5.3 4.6 6.8

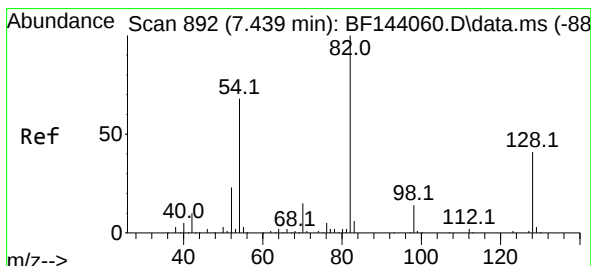
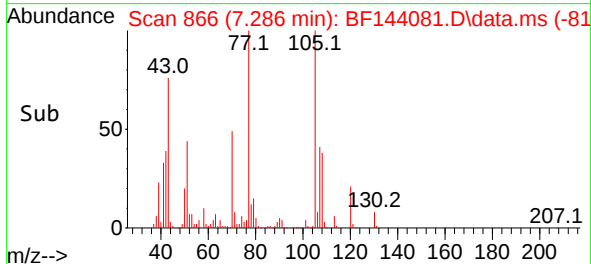
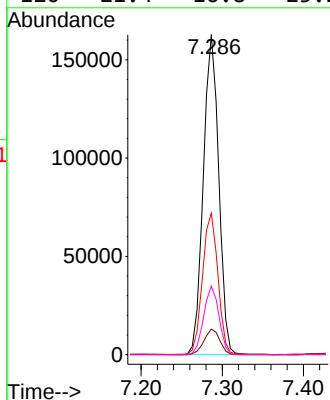
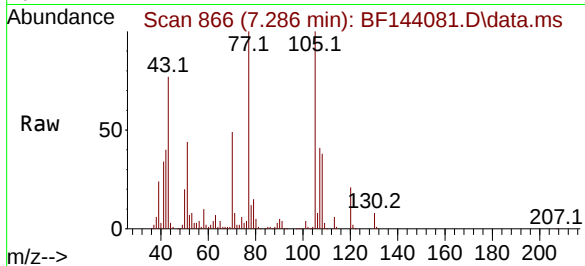




#22
Acetophenone
Concen: 53.875 ng
RT: 7.286 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

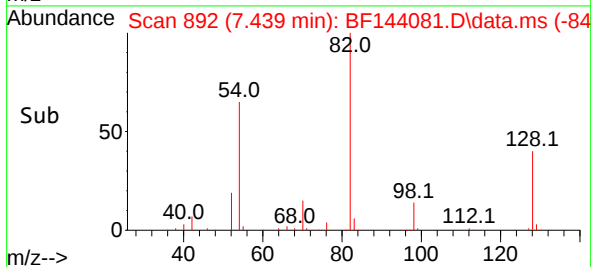
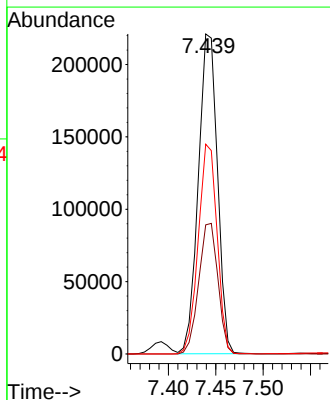
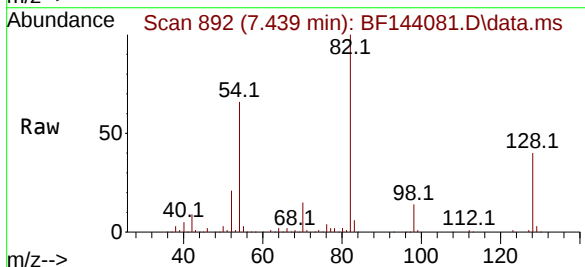
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

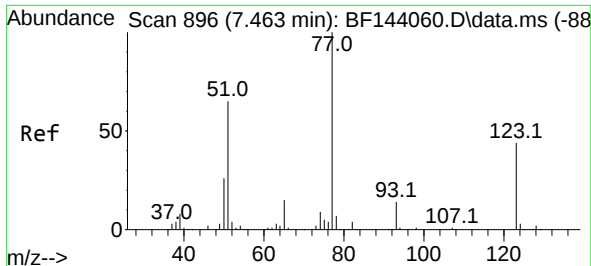
Tgt Ion:105 Resp: 214604
Ion Ratio Lower Upper
105 100
71 8.0 6.9 10.3
51 44.2 40.6 60.8
120 21.4 16.8 25.2



#23
Nitrobenzene-d5
Concen: 92.408 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 82 Resp: 310888
Ion Ratio Lower Upper
82 100
128 40.4 32.4 48.6
54 65.6 54.0 81.0

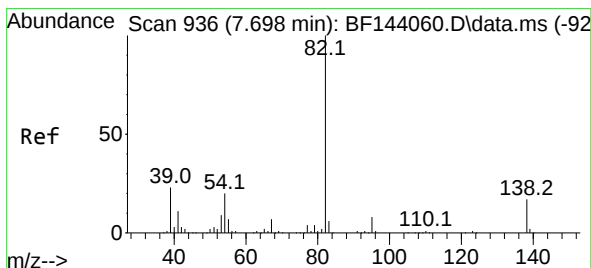
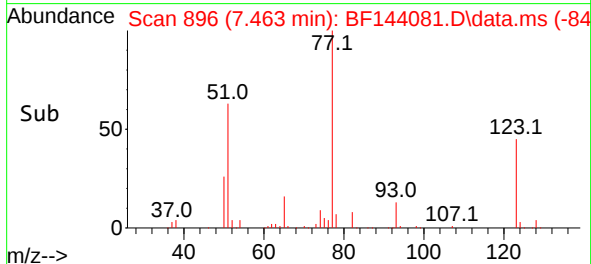
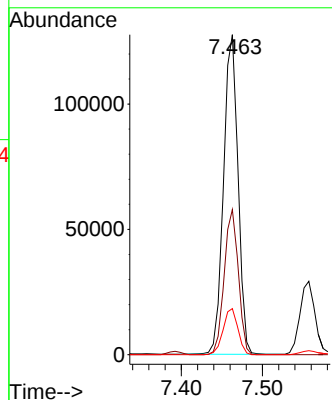
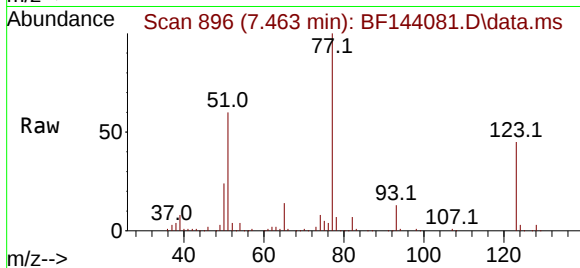




#24
Nitrobenzene
Concen: 44.569 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

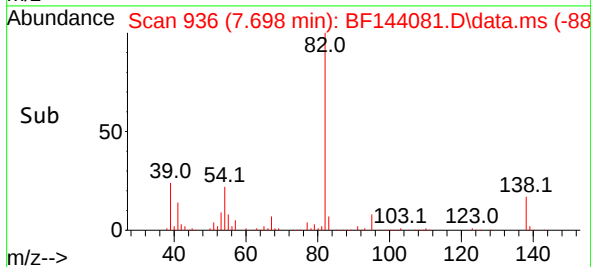
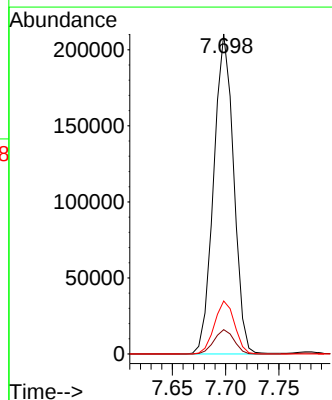
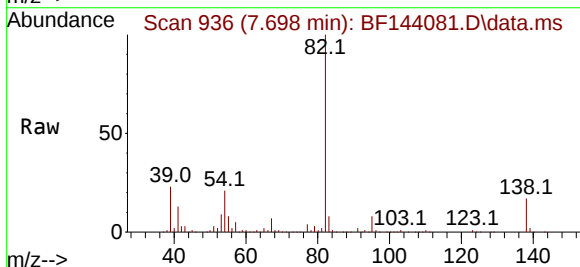
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

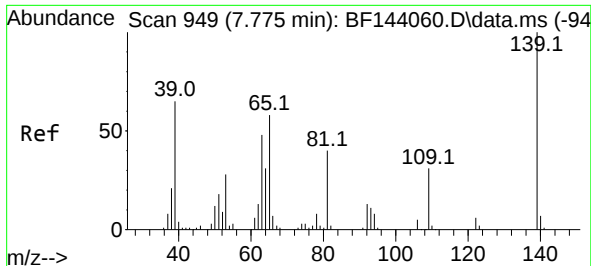
Tgt Ion: 77 Resp: 158618
Ion Ratio Lower Upper
77 100
123 45.3 35.0 52.6
65 14.4 12.2 18.2



#25
Isophorone
Concen: 46.668 ng
RT: 7.698 min Scan# 936
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 82 Resp: 274493
Ion Ratio Lower Upper
82 100
95 7.6 6.6 9.8
138 16.5 13.8 20.8

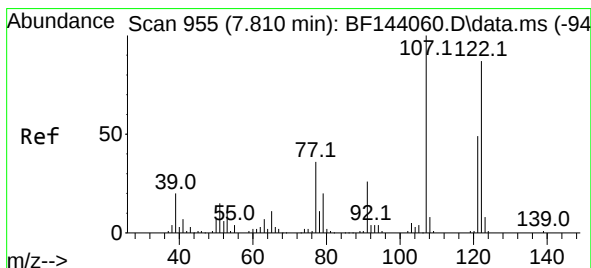
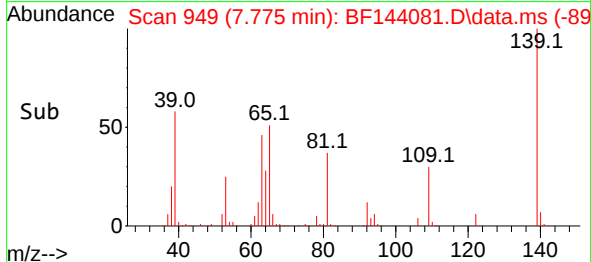
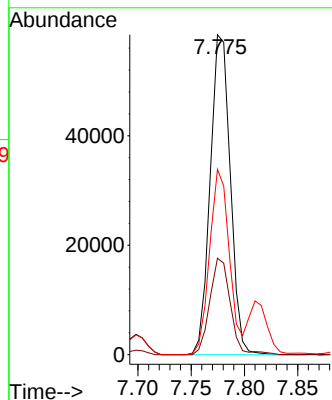
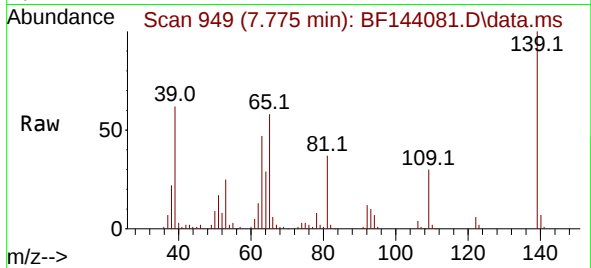




#26
2-Nitrophenol
Concen: 45.288 ng
RT: 7.775 min Scan# 949
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

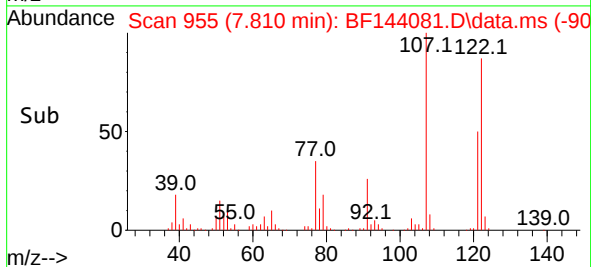
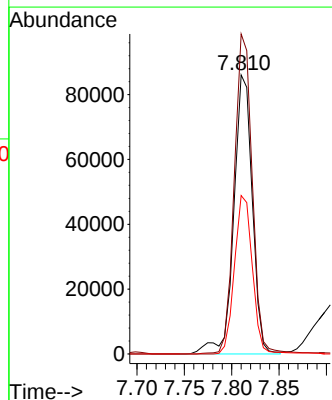
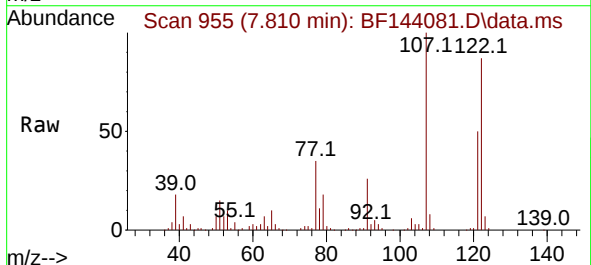
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

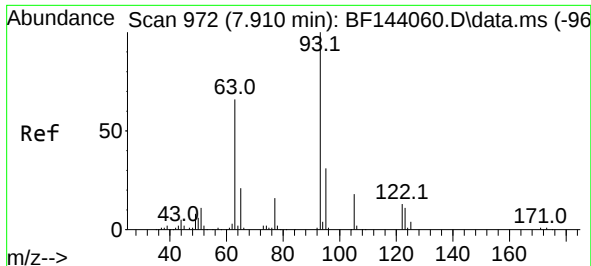
Tgt Ion:139	Resp:	76675
Ion Ratio	Lower	Upper
139	100	
109	30.2	24.6 37.0
65	58.0	46.6 69.8



#27
2,4-Dimethylphenol
Concen: 46.396 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:122	Resp:	116731
Ion Ratio	Lower	Upper
122	100	
107	114.7	91.8 137.8
121	56.8	45.2 67.8





#28

bis(2-Chloroethoxy)methane

Concen: 46.426 ng

RT: 7.910 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

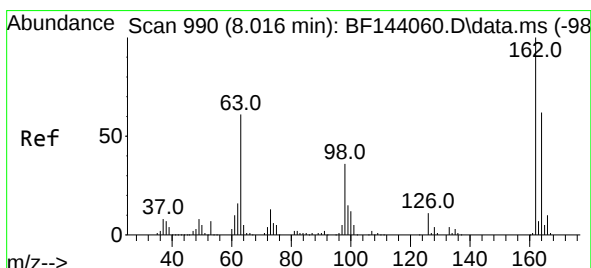
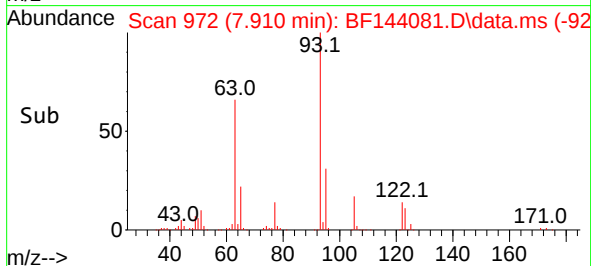
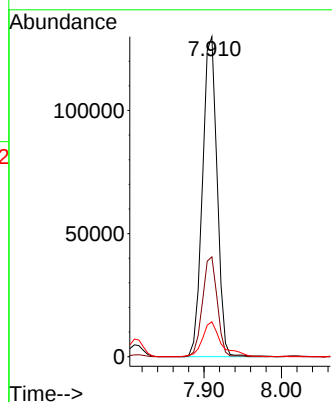
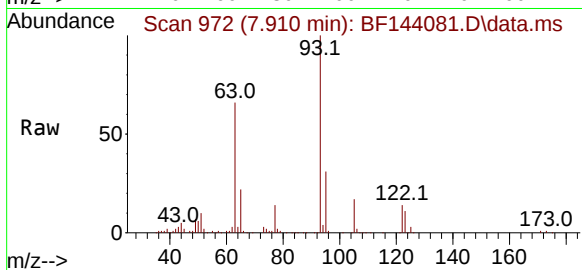
Tgt Ion: 93 Resp: 170295

Ion Ratio Lower Upper

93 100

95 31.2 24.6 36.8

123 10.9 9.1 13.7



#29

2,4-Dichlorophenol

Concen: 41.224 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

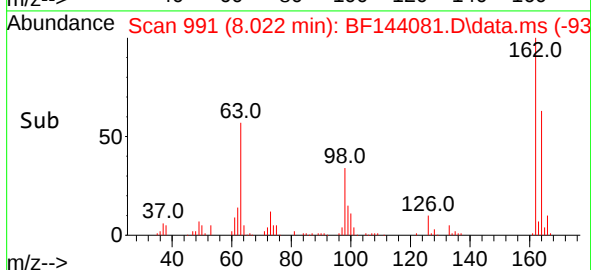
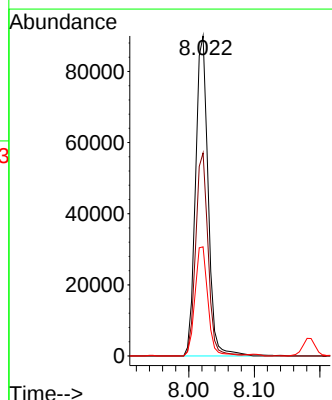
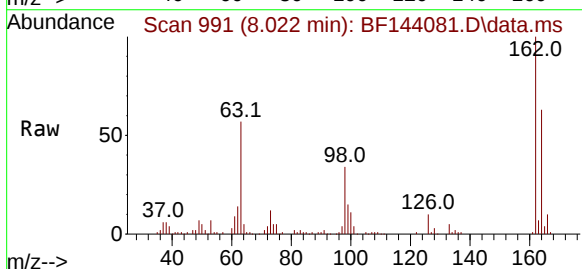
Tgt Ion:162 Resp: 120615

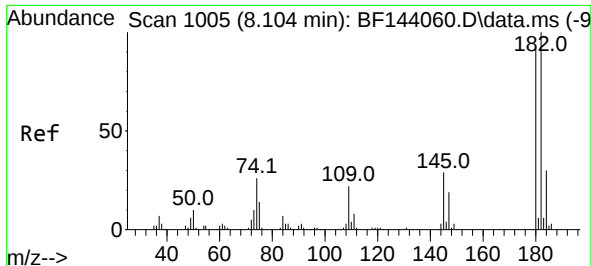
Ion Ratio Lower Upper

162 100

164 63.4 42.1 82.1

98 34.1 16.0 56.0

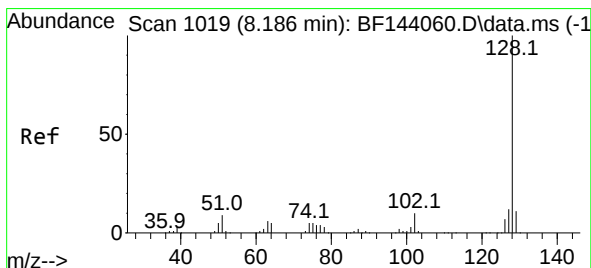
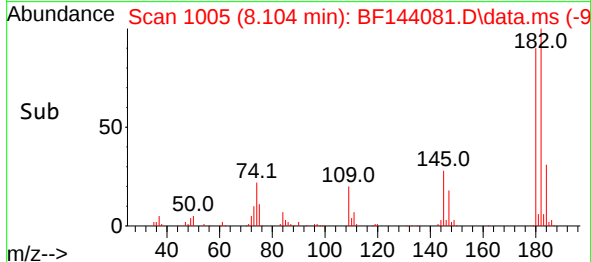
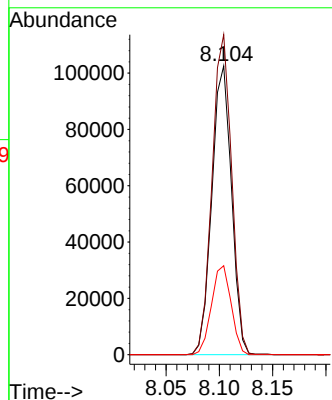
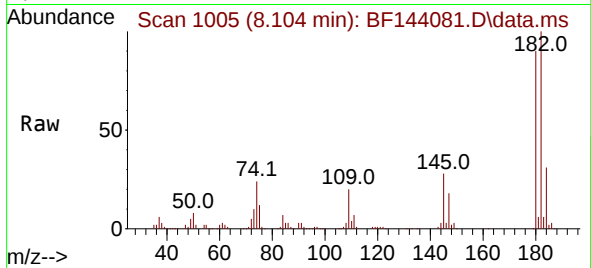




#30
1,2,4-Trichlorobenzene
Concen: 43.741 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

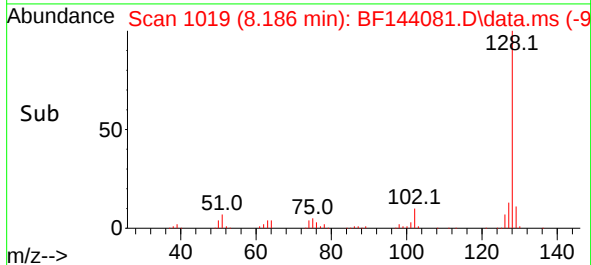
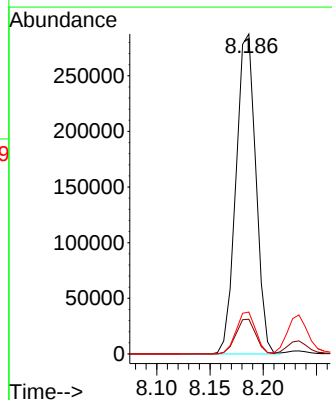
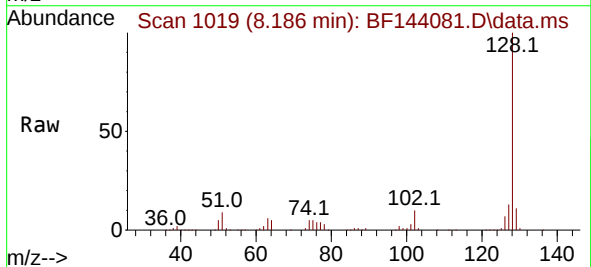
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

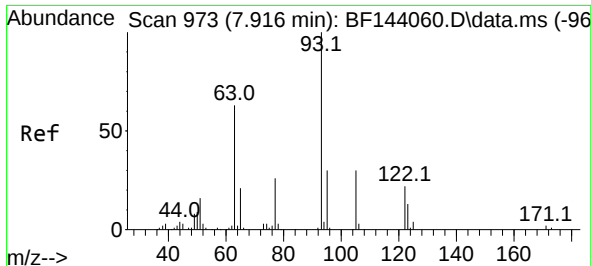
Tgt Ion:180 Resp: 131663
Ion Ratio Lower Upper
180 100
182 110.8 87.1 130.7
145 30.8 25.3 37.9



#31
Naphthalene
Concen: 42.967 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:128 Resp: 373789
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 13.1 9.9 14.9

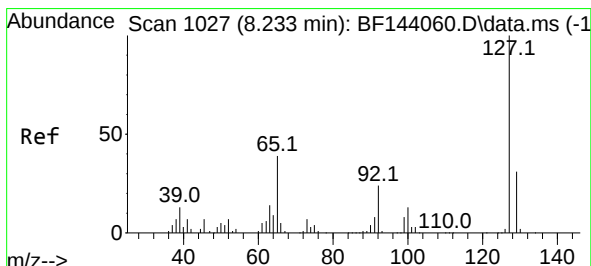
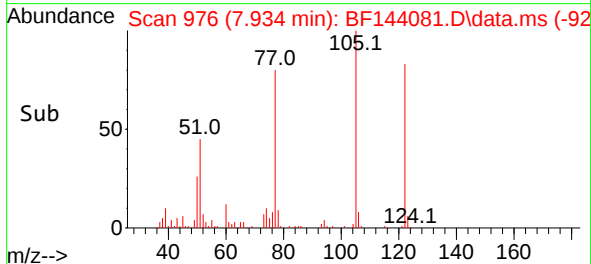
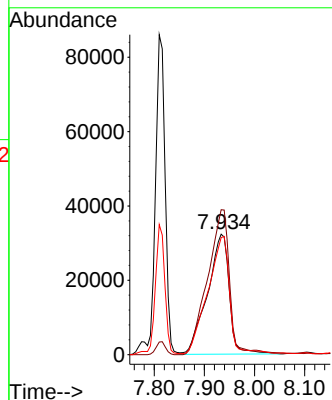
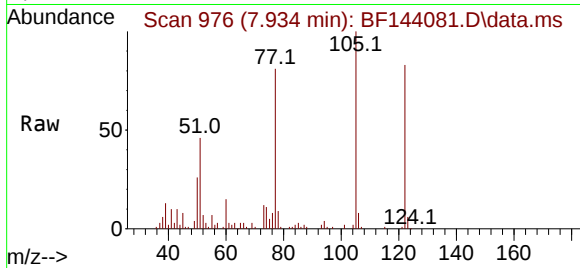




#32
Benzoic acid
Concen: 61.112 ng
RT: 7.934 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

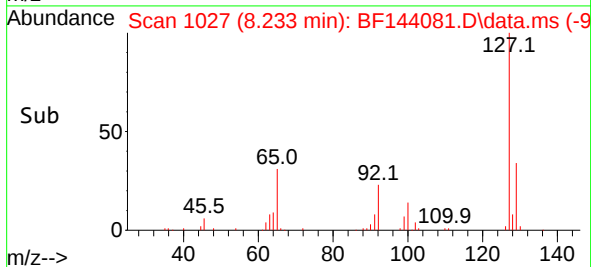
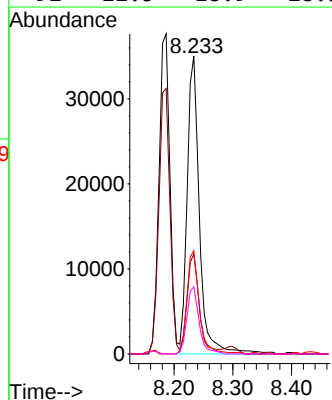
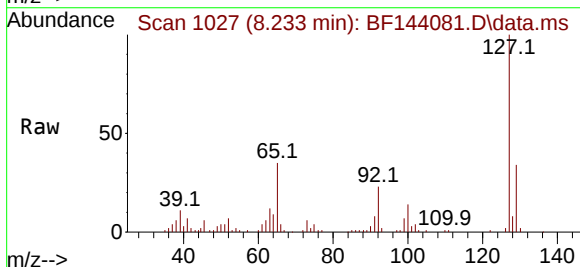
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

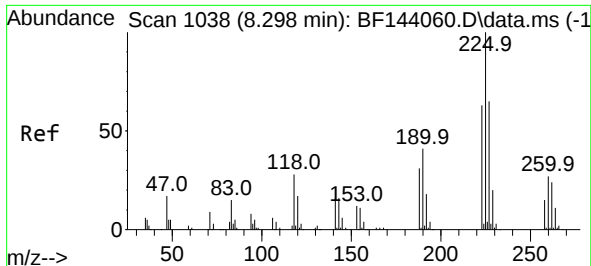
Tgt Ion:122 Resp: 97529
Ion Ratio Lower Upper
122 100
105 120.4 111.3 151.3
77 97.2 96.7 136.7



#33
4-Chloroaniline
Concen: 16.831 ng
RT: 8.233 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:127 Resp: 50973
Ion Ratio Lower Upper
127 100
129 33.5 25.6 38.4
65 34.7 30.9 46.3
92 22.5 18.9 28.3

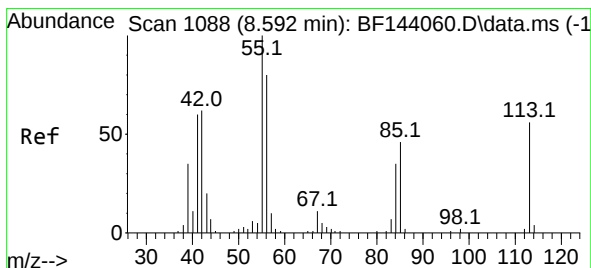
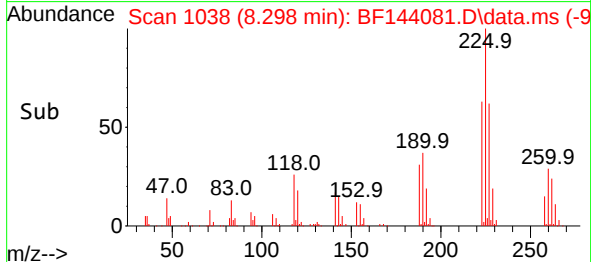
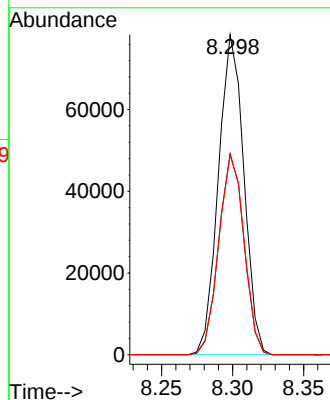
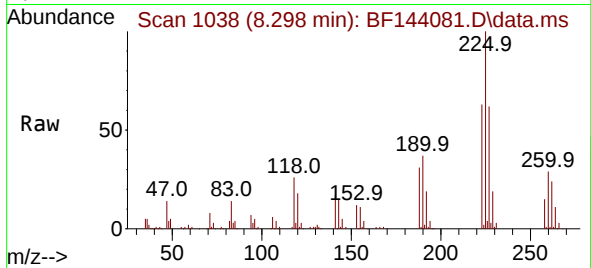




#34
Hexachlorobutadiene
Concen: 39.537 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

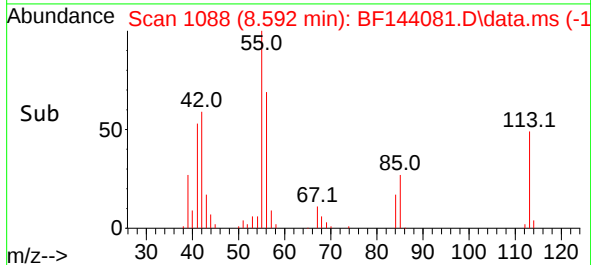
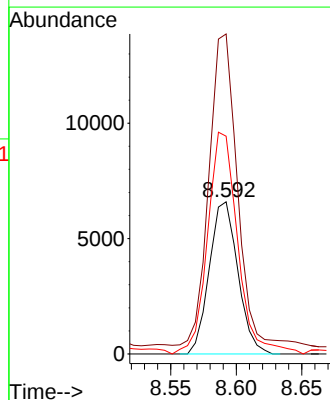
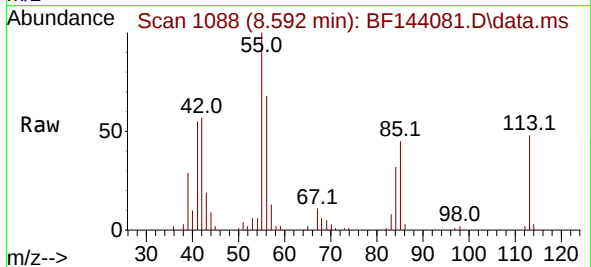
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

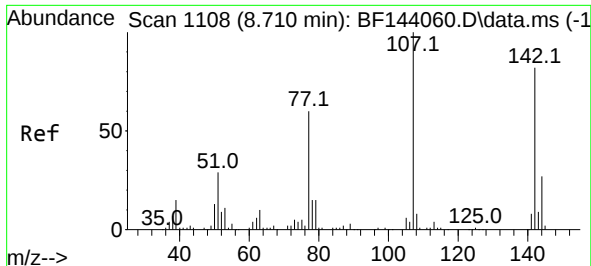
Tgt Ion:225 Resp: 97311
Ion Ratio Lower Upper
225 100
223 62.8 50.6 76.0
227 62.4 51.8 77.8



#35
Caprolactam
Concen: 13.592 ng
RT: 8.592 min Scan# 1088
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:113 Resp: 9973
Ion Ratio Lower Upper
113 100
55 210.3 160.1 200.1#
56 143.1 124.9 164.9

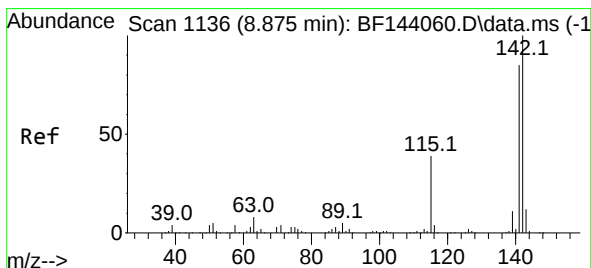
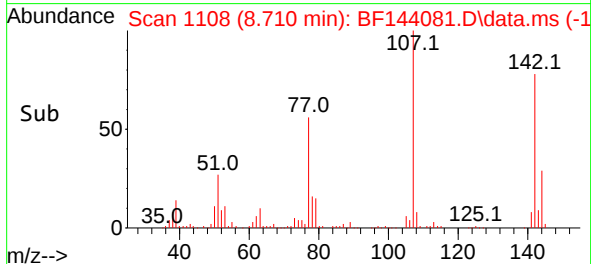
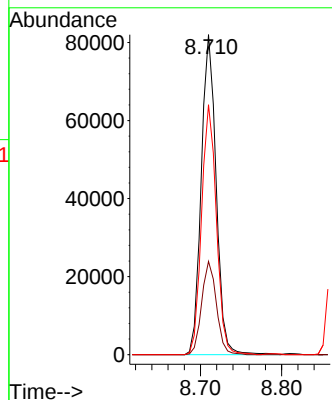
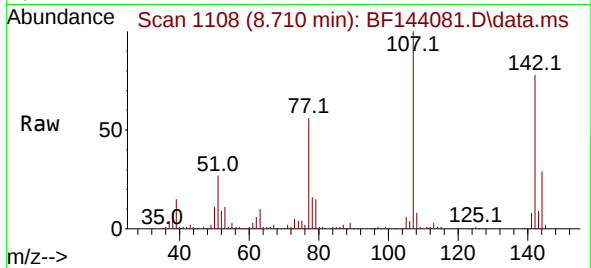




#36
4-Chloro-3-methylphenol
Concen: 40.497 ng
RT: 8.710 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

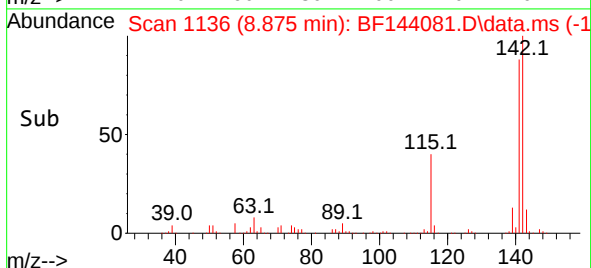
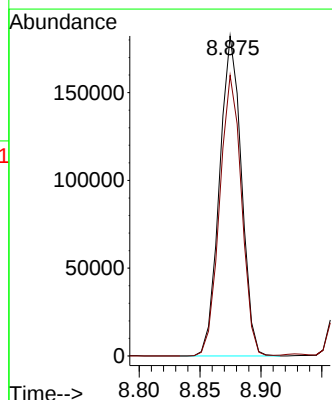
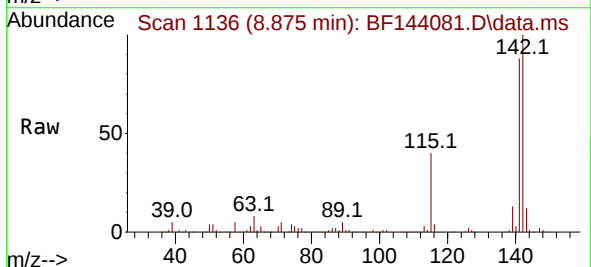
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

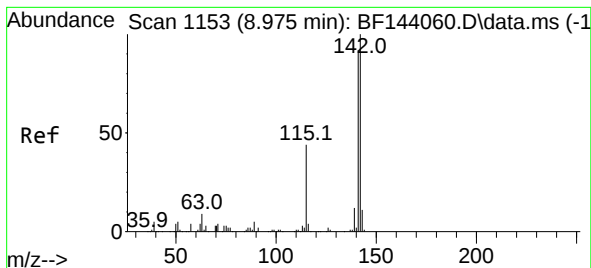
Tgt Ion:107 Resp: 104564
Ion Ratio Lower Upper
107 100
144 29.2 21.6 32.4
142 78.1 65.4 98.0



#37
2-Methylnaphthalene
Concen: 39.758 ng
RT: 8.875 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:142 Resp: 228037
Ion Ratio Lower Upper
142 100
141 87.7 67.6 101.4





#38

1-Methylnaphthalene

Concen: 43.631 ng

RT: 8.975 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

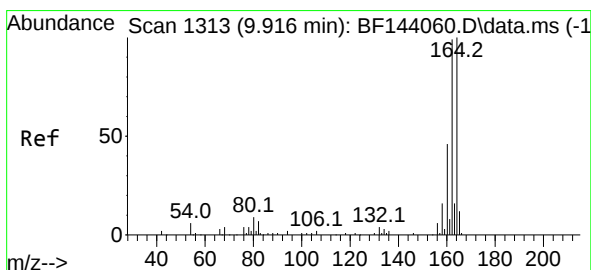
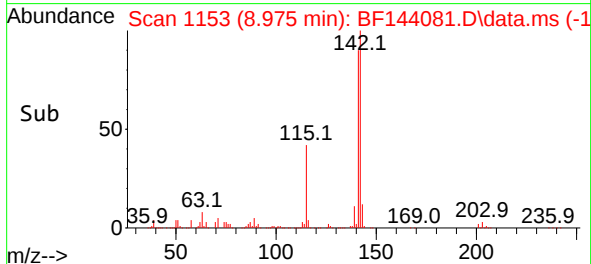
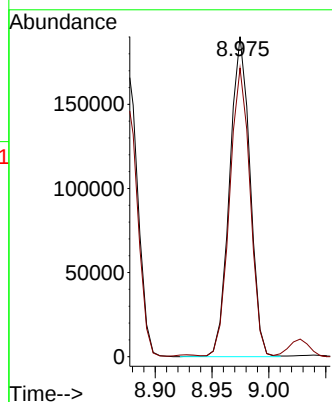
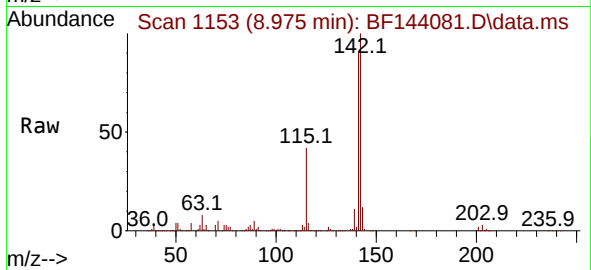
EFF-WWMSD

Tgt Ion:142 Resp: 237092

Ion Ratio Lower Upper

142 100

141 90.2 73.4 110.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

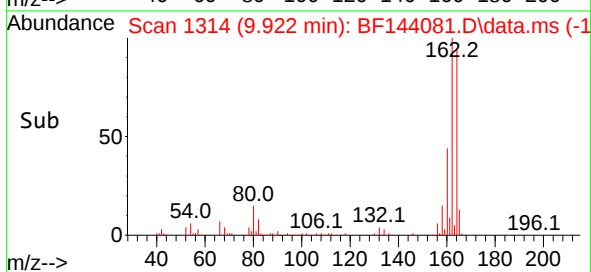
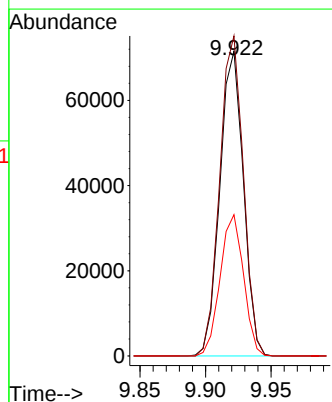
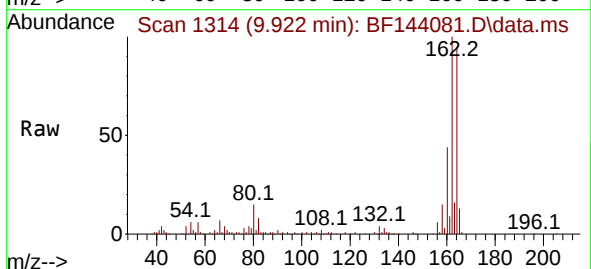
Tgt Ion:164 Resp: 89189

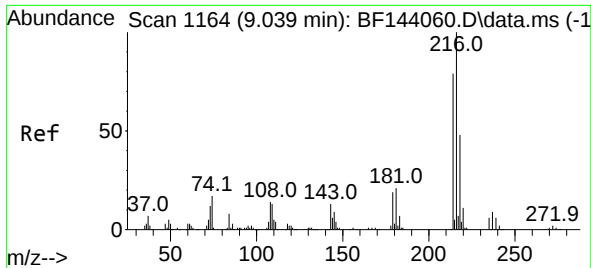
Ion Ratio Lower Upper

164 100

162 105.0 79.4 119.2

160 46.4 36.7 55.1



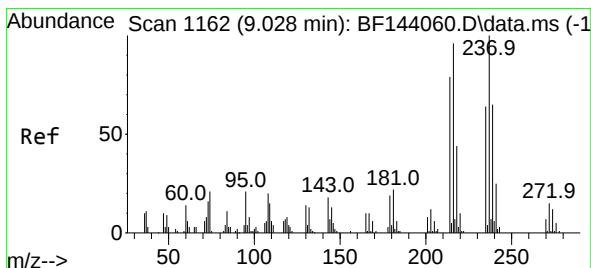
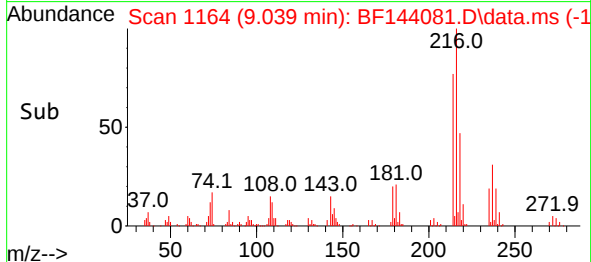
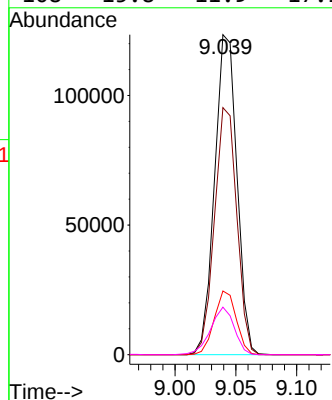
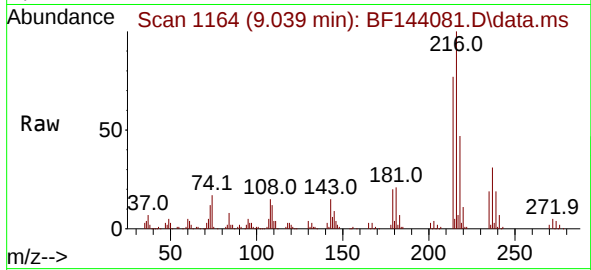


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.428 ng
 RT: 9.039 min Scan# 1164
 Delta R.T. 0.000 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WWMSD

Tgt Ion:216 Resp: 157639

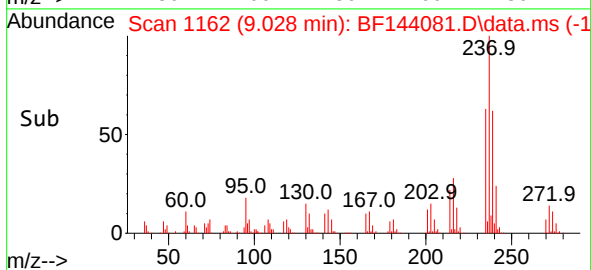
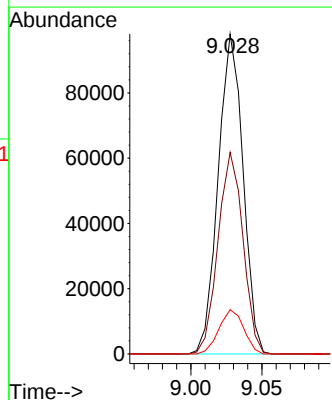
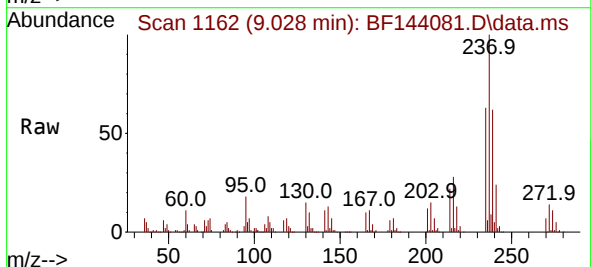
Ion	Ratio	Lower	Upper
216	100		
214	77.1	63.2	94.8
179	19.6	15.2	22.8
108	15.8	11.9	17.9

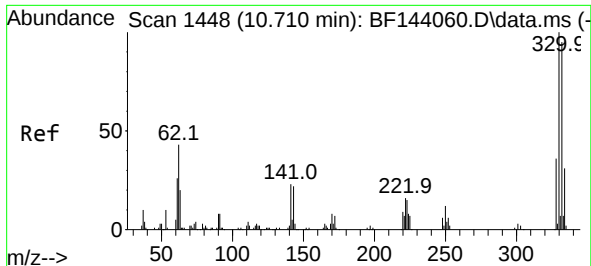


#41
 Hexachlorocyclopentadiene
 Concen: 125.925 ng
 RT: 9.028 min Scan# 1162
 Delta R.T. 0.000 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

Tgt Ion:237 Resp: 119219

Ion	Ratio	Lower	Upper
237	100		
235	63.0	44.3	84.3
272	13.8	0.0	35.2





#42

2,4,6-Tribromophenol

Concen: 83.791 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

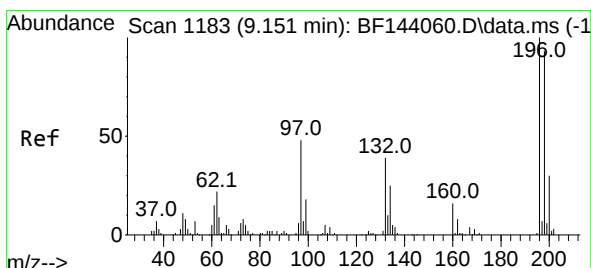
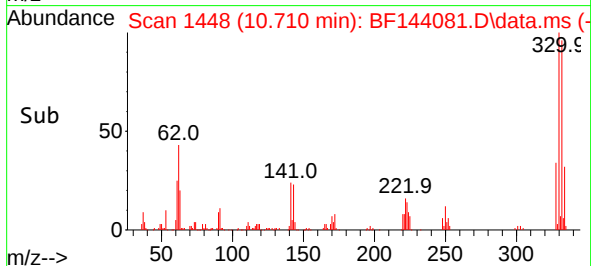
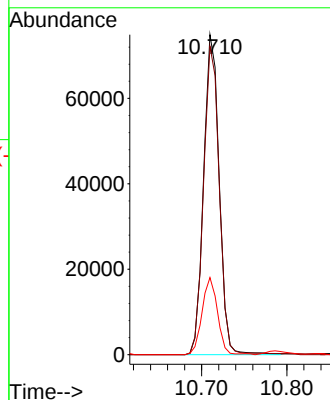
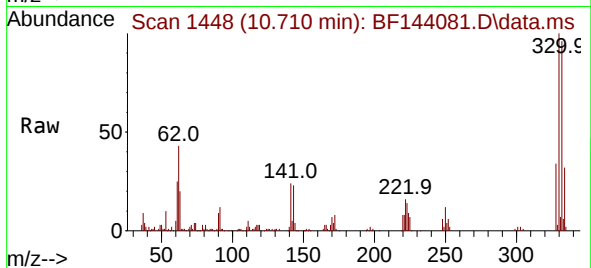
Tgt Ion:330 Resp: 95195

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

141 23.9 19.4 29.0



#43

2,4,6-Trichlorophenol

Concen: 48.197 ng

RT: 9.151 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

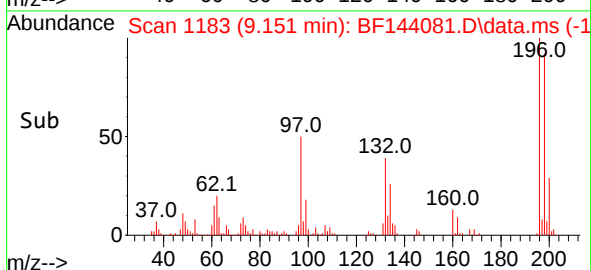
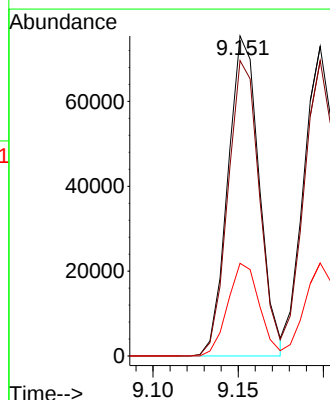
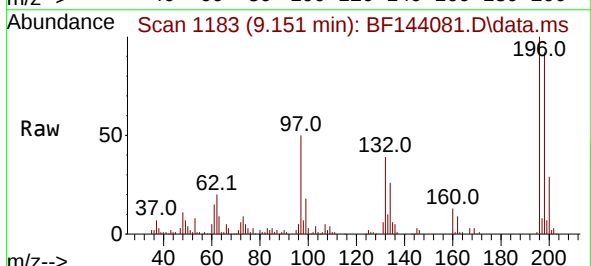
Tgt Ion:196 Resp: 96027

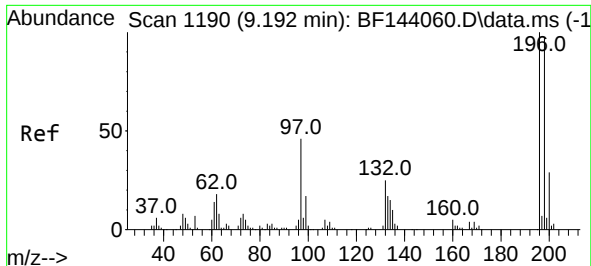
Ion Ratio Lower Upper

196 100

198 92.3 74.4 111.6

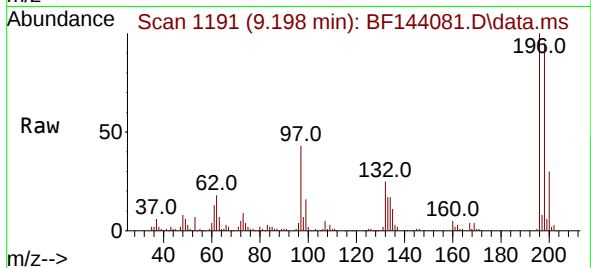
200 28.9 23.8 35.8



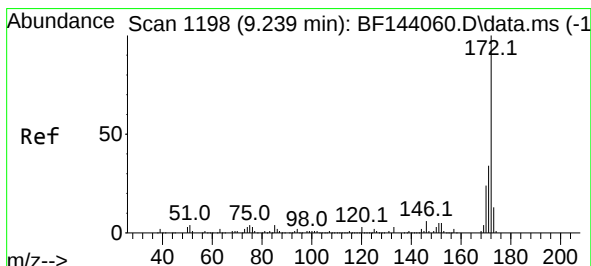
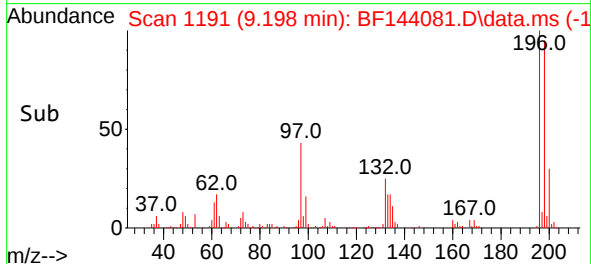
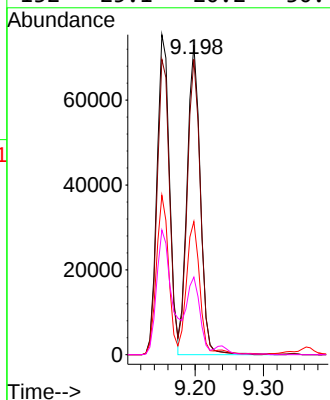


#44
2,4,5-Trichlorophenol
Concen: 46.699 ng
RT: 9.198 min Scan# 1190
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

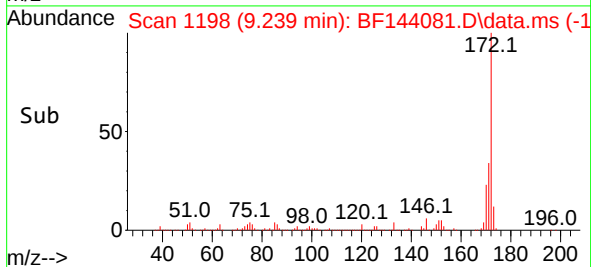
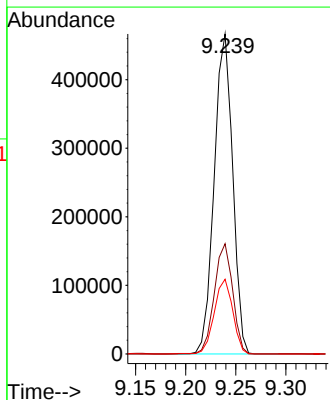
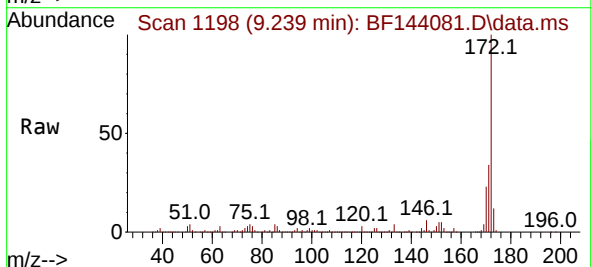


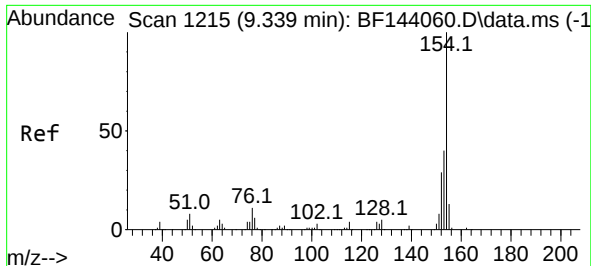
Tgt Ion:196 Resp: 97649
Ion Ratio Lower Upper
196 100
198 95.4 78.0 117.0
97 43.0 37.7 56.5
132 25.1 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 94.139 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:172 Resp: 596651
Ion Ratio Lower Upper
172 100
171 34.4 27.5 41.3
170 23.4 19.0 28.6

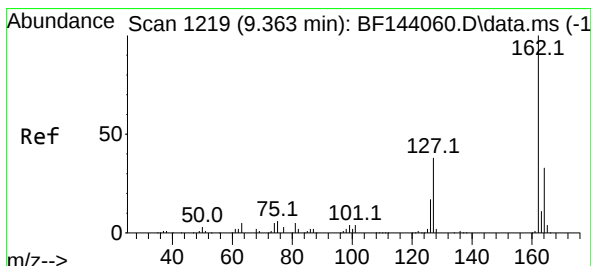
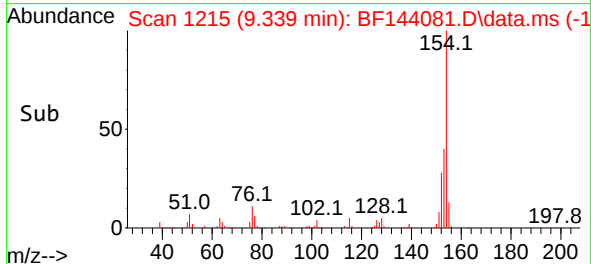
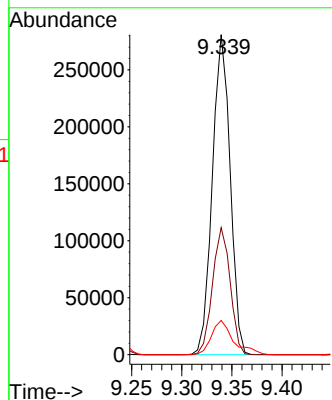
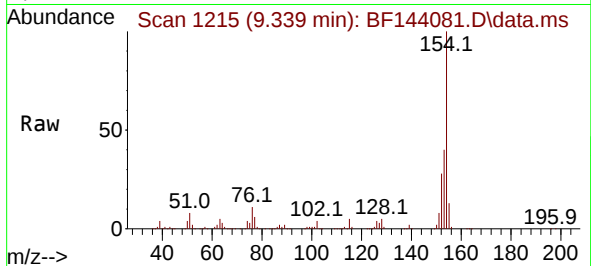




#46
1,1'-Biphenyl
Concen: 54.325 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

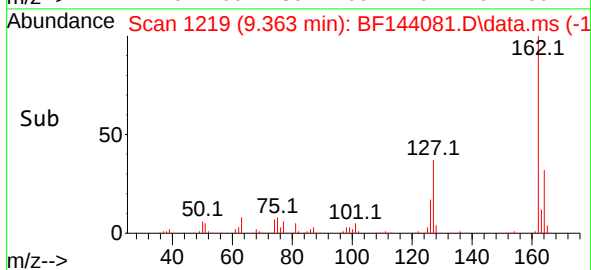
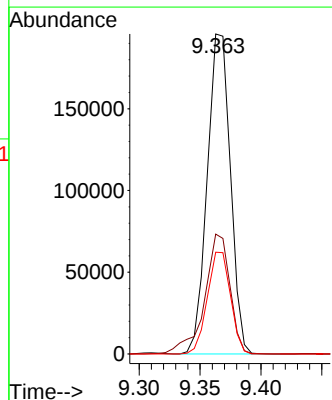
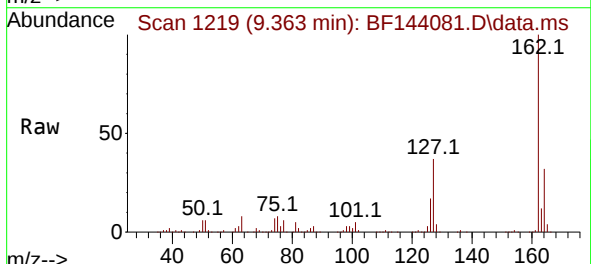
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

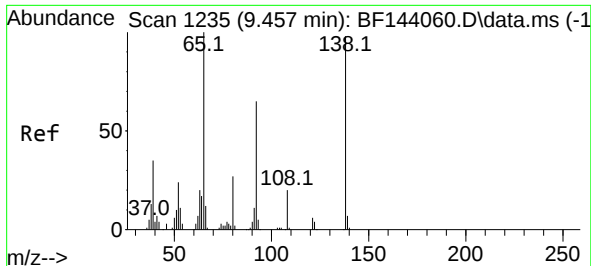
Tgt Ion:154 Resp: 346841
Ion Ratio Lower Upper
154 100
153 39.7 19.7 59.7
76 10.7 0.0 31.1



#47
2-Chloronaphthalene
Concen: 48.398 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:162 Resp: 258873
Ion Ratio Lower Upper
162 100
127 37.5 31.6 47.4
164 31.8 26.5 39.7

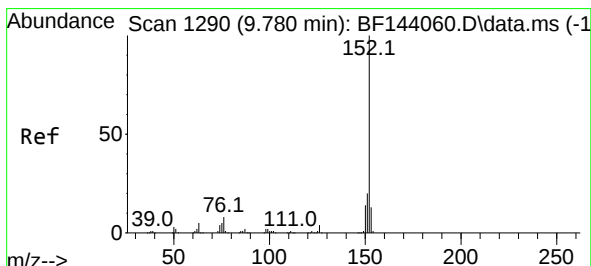
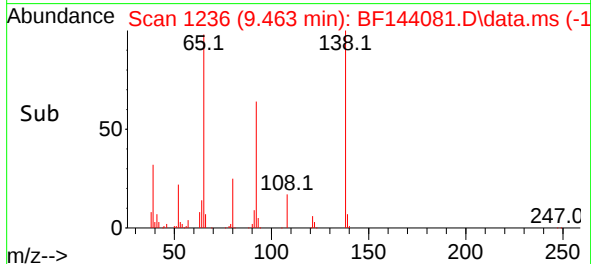
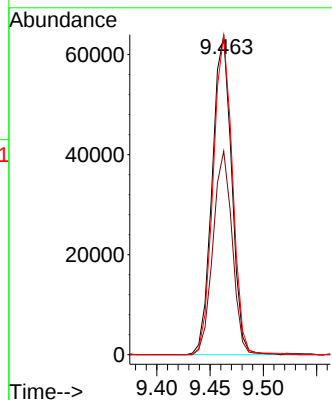
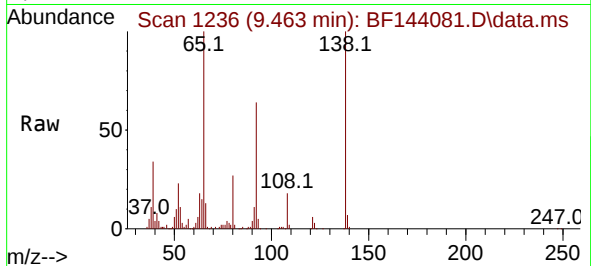




#48
2-Nitroaniline
Concen: 51.054 ng
RT: 9.463 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

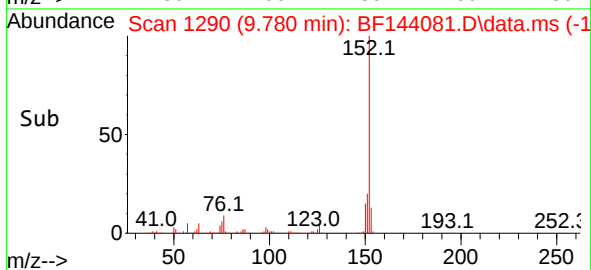
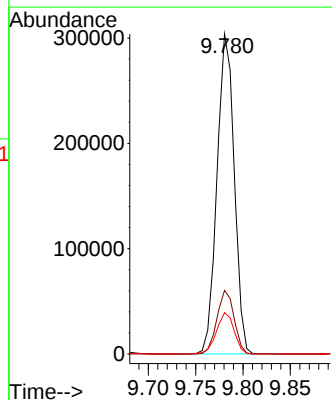
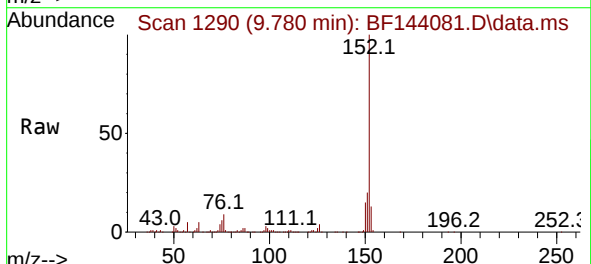
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

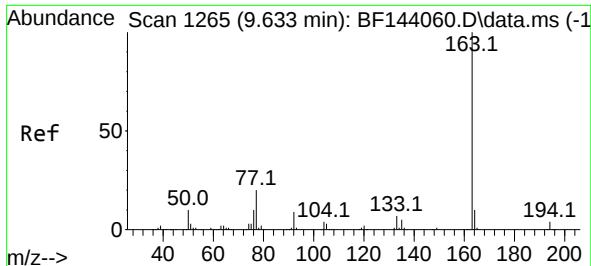
Tgt Ion: 65 Resp: 81090
Ion Ratio Lower Upper
65 100
92 63.8 52.3 78.5
138 100.3 78.3 117.5



#49
Acenaphthylene
Concen: 53.469 ng
RT: 9.780 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 152 Resp: 385627
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 12.9 10.4 15.6

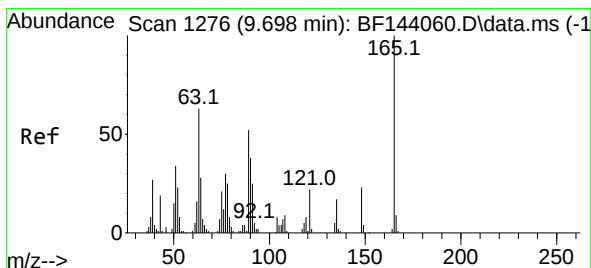
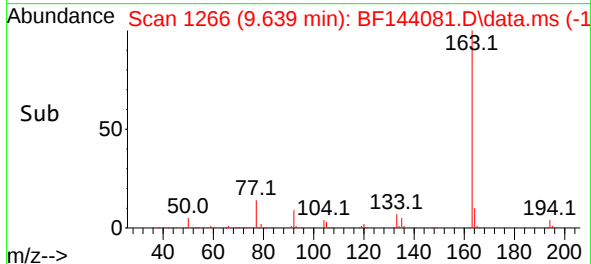
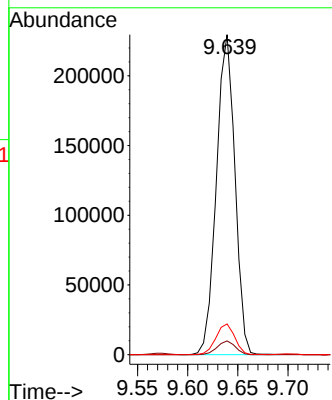
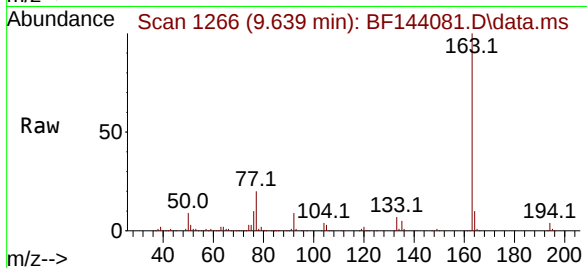




#50
Dimethylphthalate
Concen: 50.289 ng
RT: 9.639 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

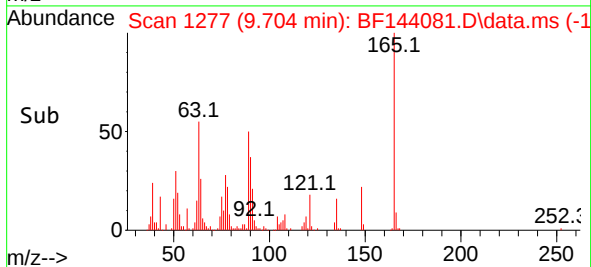
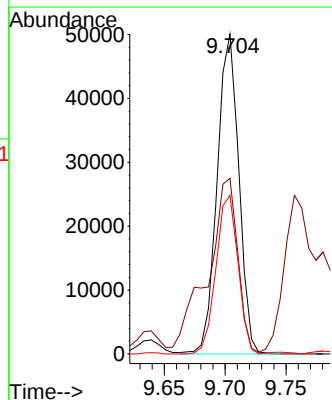
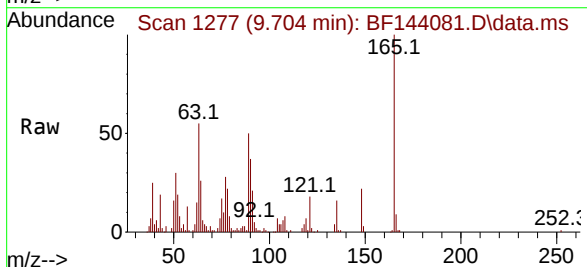
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

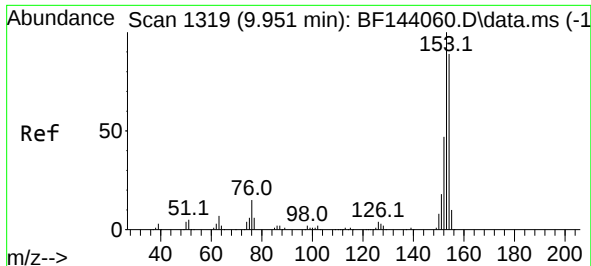
Tgt Ion:163 Resp: 293998
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 9.6 7.8 11.8



#51
2,6-Dinitrotoluene
Concen: 53.753 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:165 Resp: 62124
Ion Ratio Lower Upper
165 100
63 54.9 50.4 75.6
89 49.5 41.4 62.2

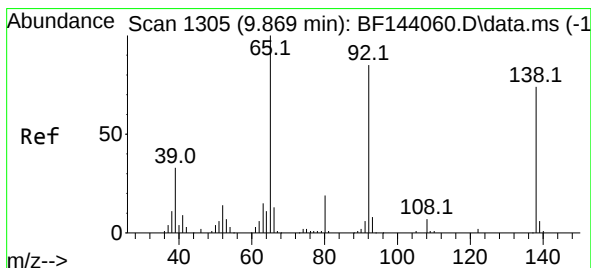
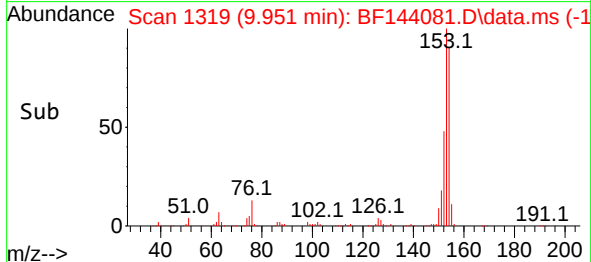
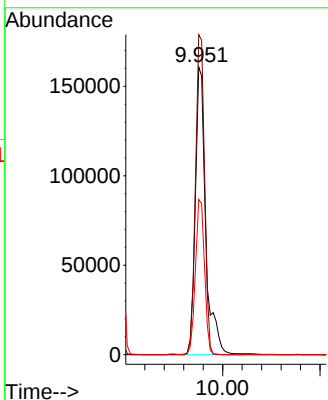
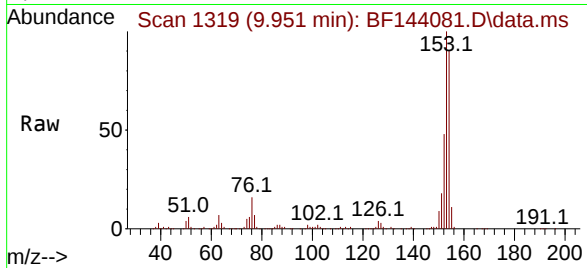




#52
Acenaphthene
Concen: 50.158 ng
RT: 9.951 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

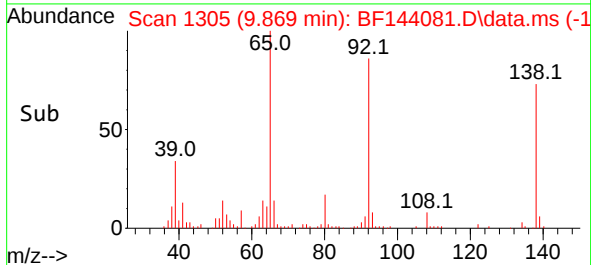
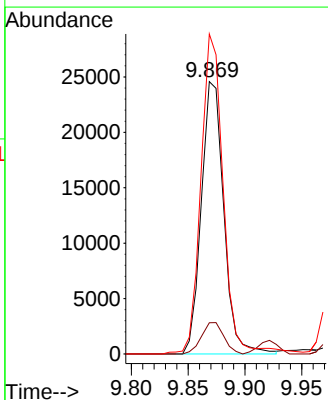
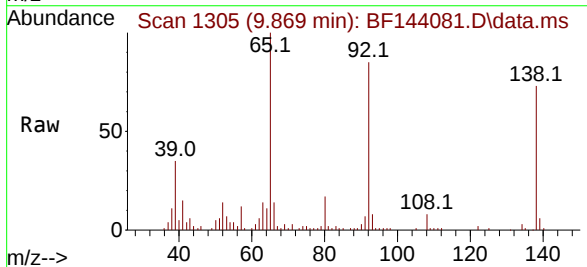
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

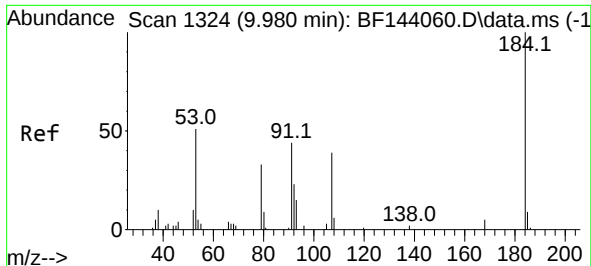
Tgt Ion:154 Resp: 241590
Ion Ratio Lower Upper
154 100
153 111.2 89.9 134.9
152 53.9 42.0 63.0



#53
3-Nitroaniline
Concen: 26.349 ng
RT: 9.869 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:138 Resp: 33858
Ion Ratio Lower Upper
138 100
108 11.5 7.9 11.9
92 117.5 92.0 138.0

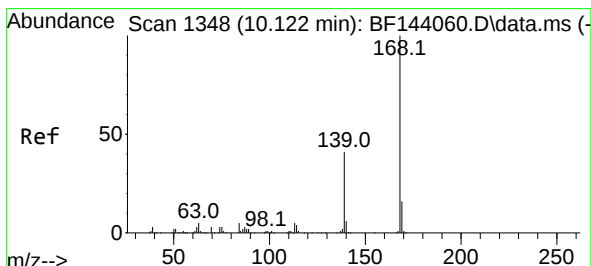
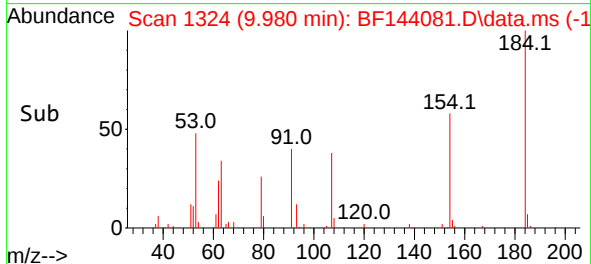
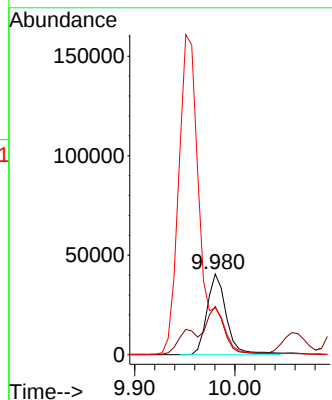
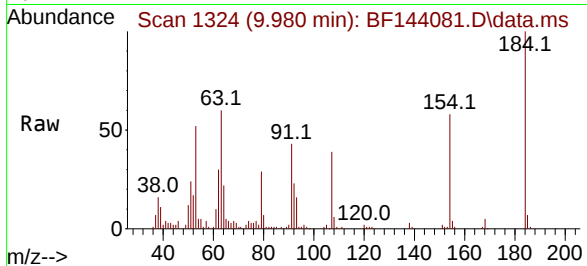




#54
2,4-Dinitrophenol
Concen: 87.648 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

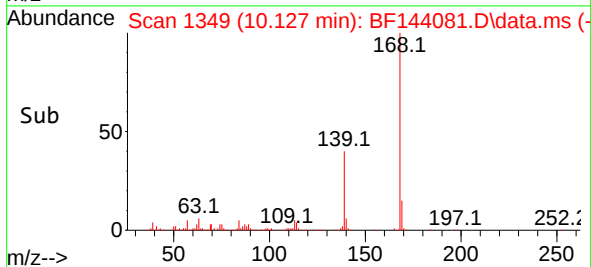
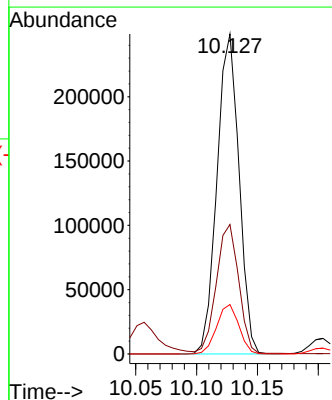
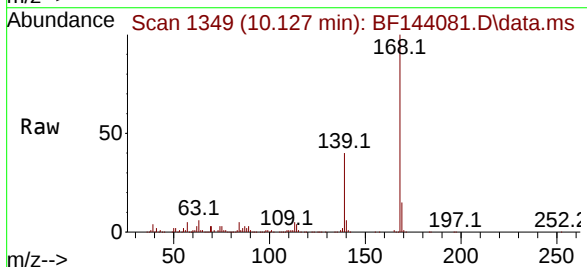
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

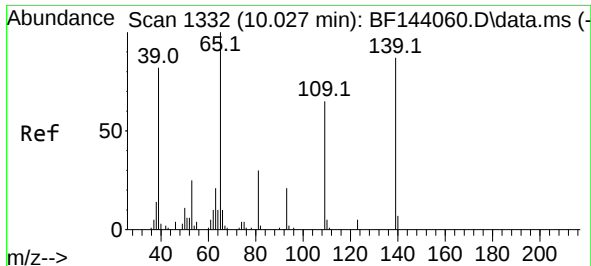
Tgt Ion:184 Resp: 54788
Ion Ratio Lower Upper
184 100
63 59.9 52.1 78.1
154 58.1 47.9 71.9



#55
Dibenzofuran
Concen: 46.893 ng
RT: 10.127 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:168 Resp: 313560
Ion Ratio Lower Upper
168 100
139 40.5 33.2 49.8
169 15.5 12.6 19.0

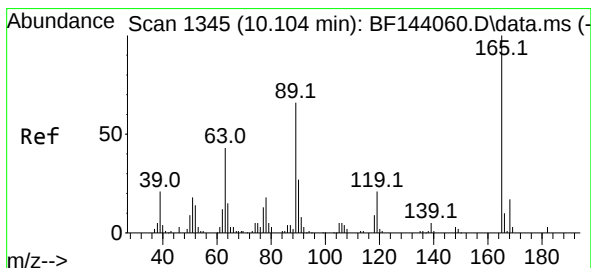
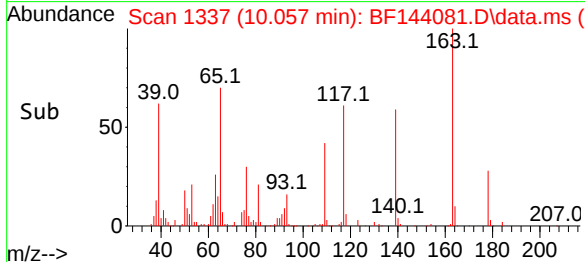
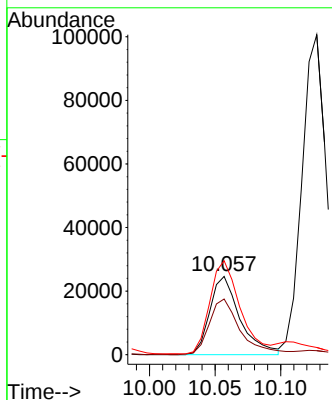
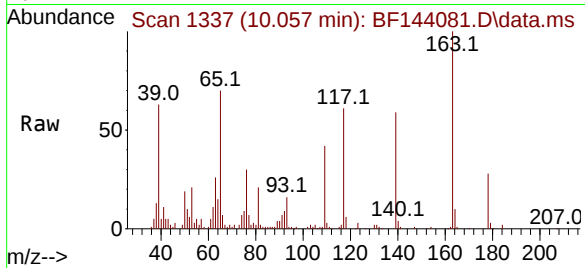




#56
4-Nitrophenol
Concen: 45.436 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.029 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

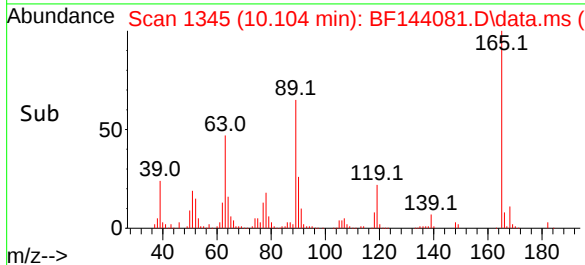
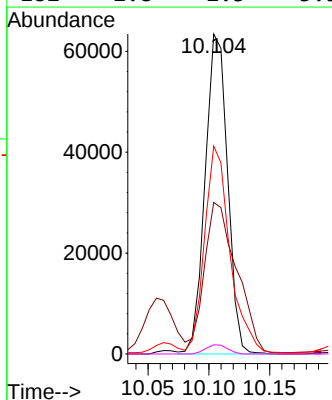
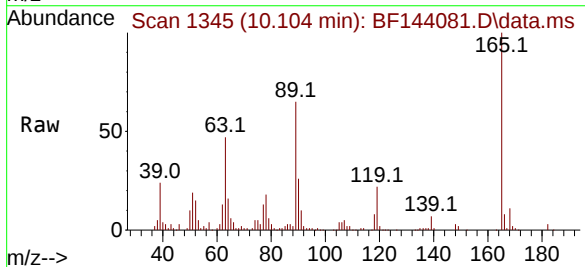
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

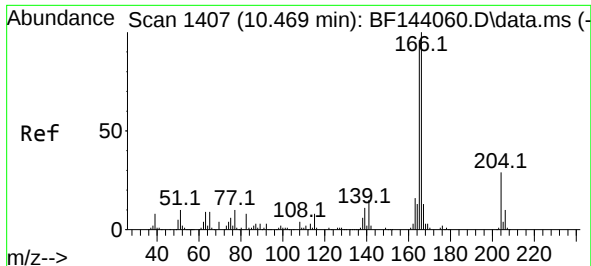
Tgt Ion:139 Resp: 39535
Ion Ratio Lower Upper
139 100
109 71.1 53.8 93.8
65 120.0 95.9 135.9



#57
2,4-Dinitrotoluene
Concen: 52.154 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:165 Resp: 81351
Ion Ratio Lower Upper
165 100
63 47.4 35.4 53.2
89 64.9 52.7 79.1
182 2.8 2.3 3.5

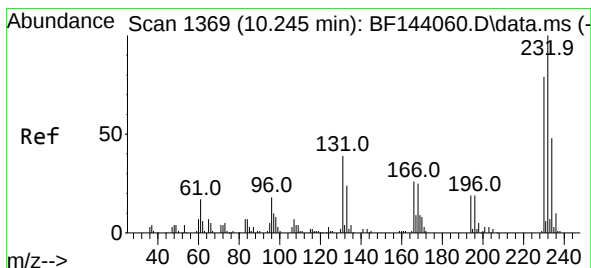
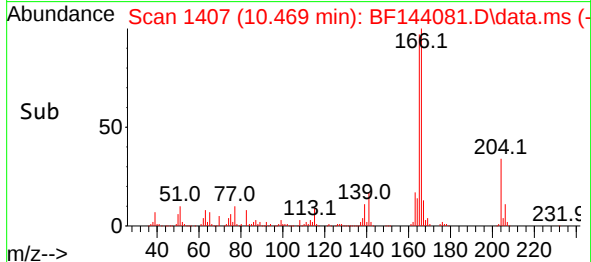
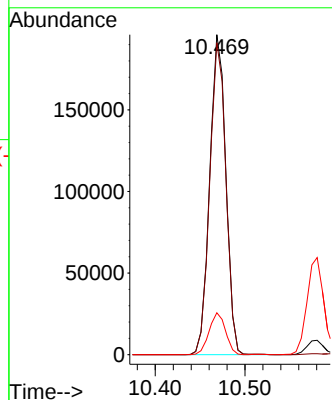
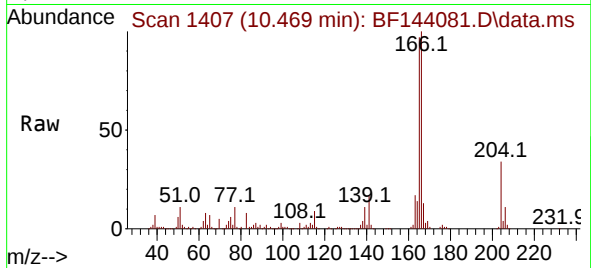




#58
Fluorene
Concen: 48.073 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

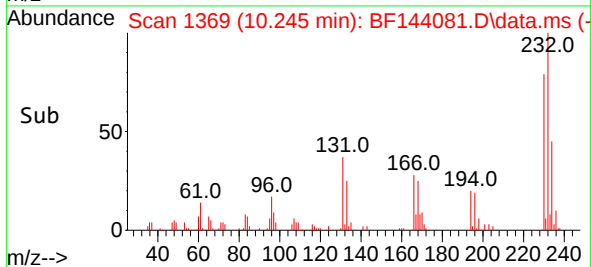
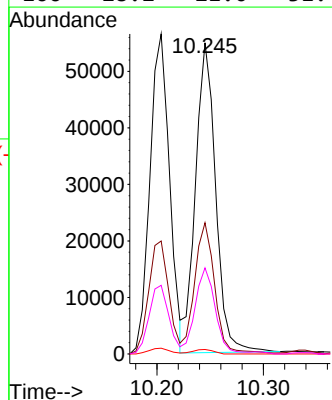
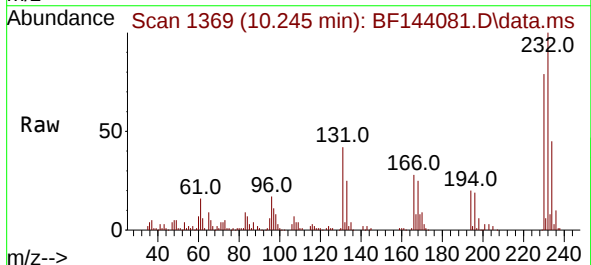
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

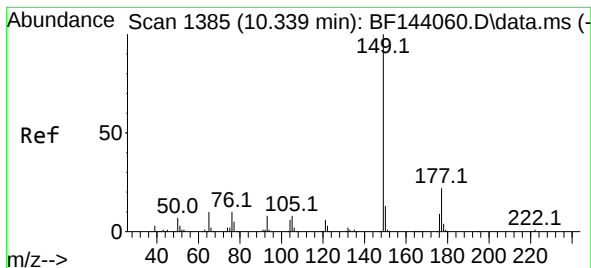
Tgt Ion:166 Resp: 244931
Ion Ratio Lower Upper
166 100
165 97.5 77.0 115.4
167 13.1 10.2 15.4



#59
2,3,4,6-Tetrachlorophenol
Concen: 49.110 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:232 Resp: 72364
Ion Ratio Lower Upper
232 100
131 42.3 31.9 47.9
130 1.5 1.1 1.7
166 28.2 21.0 31.4

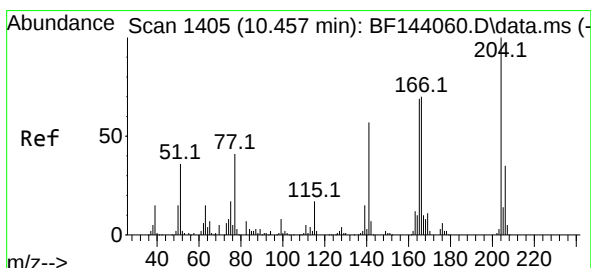
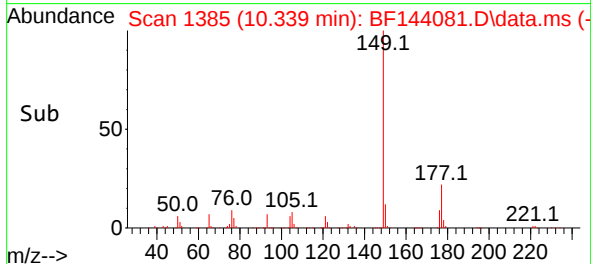
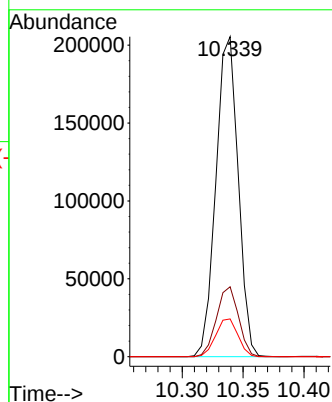
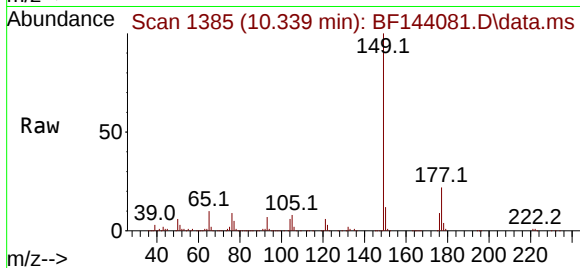




#60
Diethylphthalate
Concen: 47.520 ng
RT: 10.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

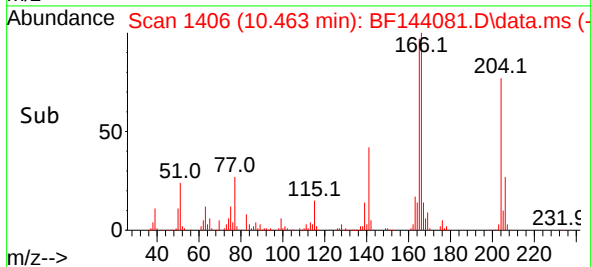
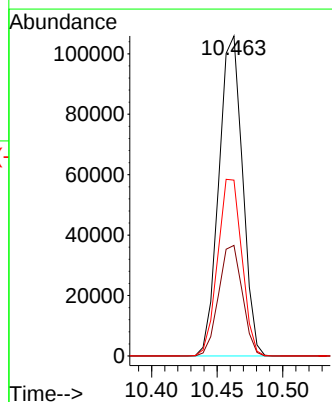
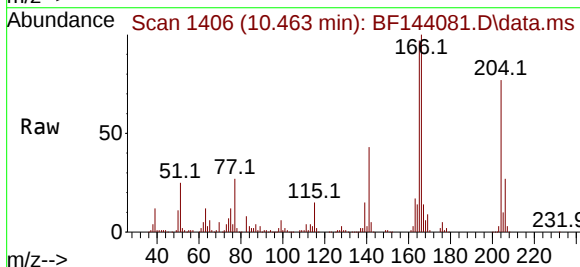
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

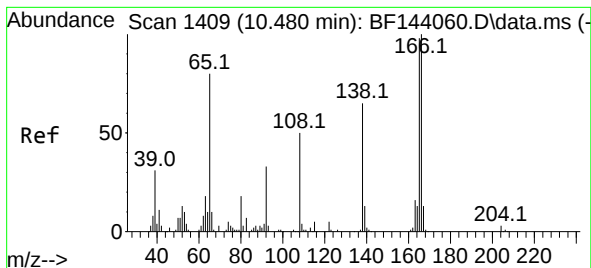
Tgt Ion:149 Resp: 261261
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.6
150 11.8 10.1 15.1



#61
4-Chlorophenyl-phenylether
Concen: 46.376 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:204 Resp: 132877
Ion Ratio Lower Upper
204 100
206 34.5 27.8 41.6
141 54.9 45.4 68.2

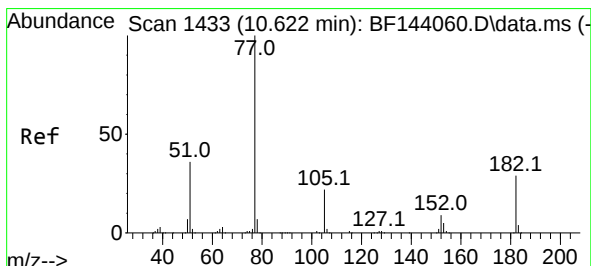
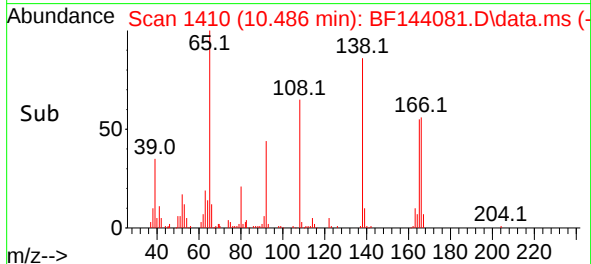
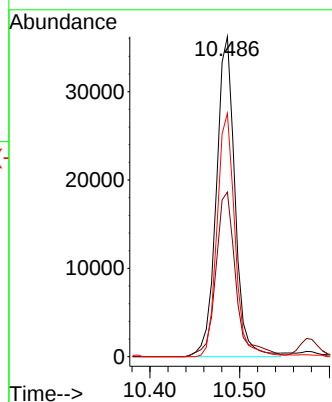
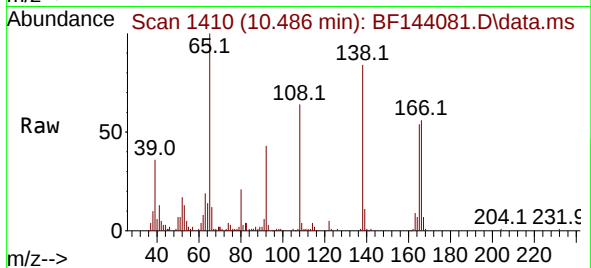




#62
4-Nitroaniline
Concen: 42.865 ng
RT: 10.486 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

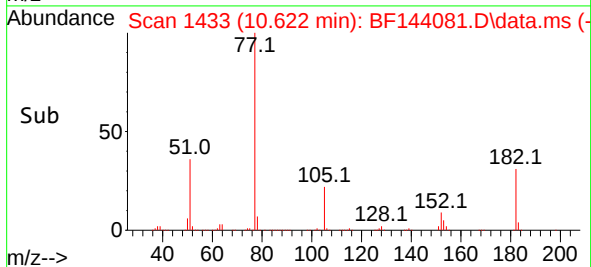
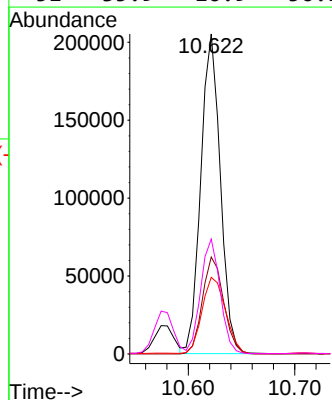
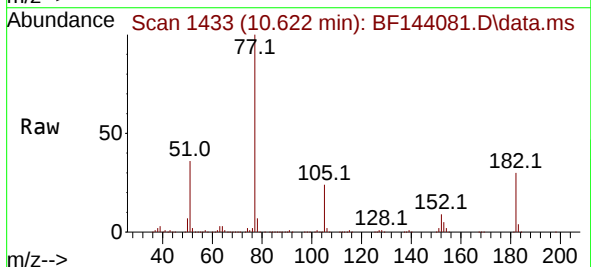
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

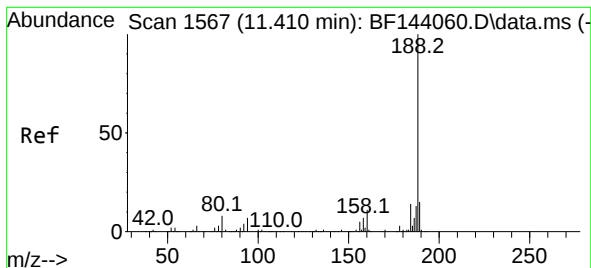
Tgt Ion:138 Resp: 52188
Ion Ratio Lower Upper
138 100
92 51.4 30.5 70.5
108 76.0 56.2 96.2



#63
Azobenzene
Concen: 50.397 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion: 77 Resp: 262249
Ion Ratio Lower Upper
77 100
182 30.3 9.0 49.0
105 24.0 1.4 41.4
51 35.9 16.9 56.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

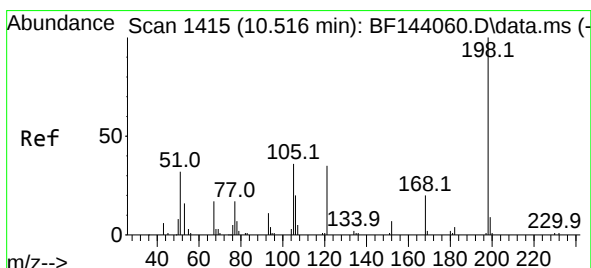
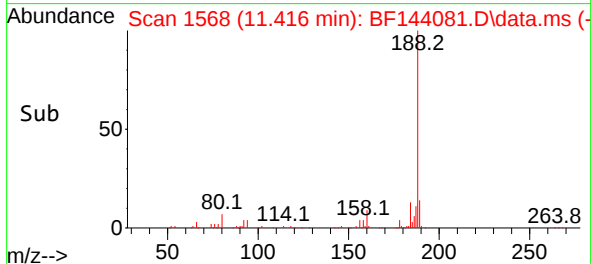
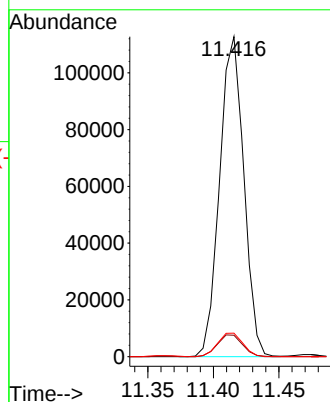
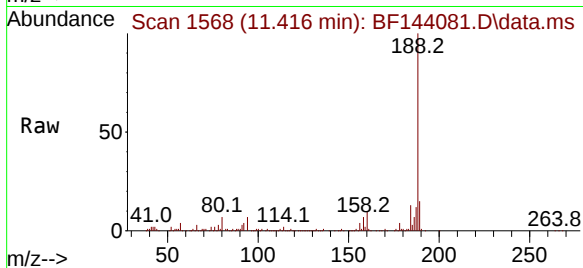
Tgt Ion:188 Resp: 144598

Ion Ratio Lower Upper

188 100

94 6.7 5.4 8.0

80 7.4 6.0 9.0



#65

4,6-Dinitro-2-methylphenol

Concen: 46.561 ng

RT: 10.516 min Scan# 1415

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

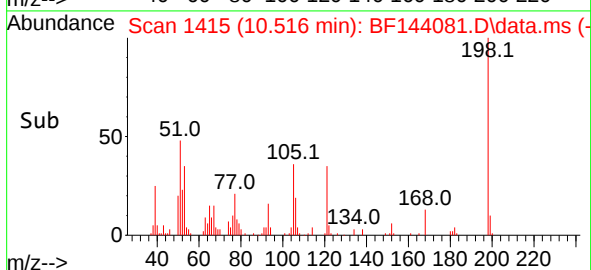
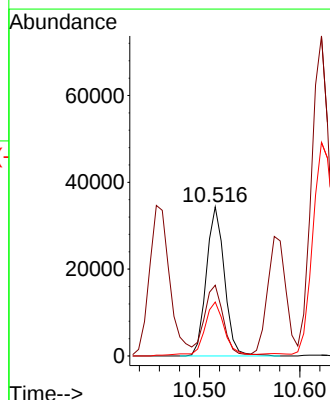
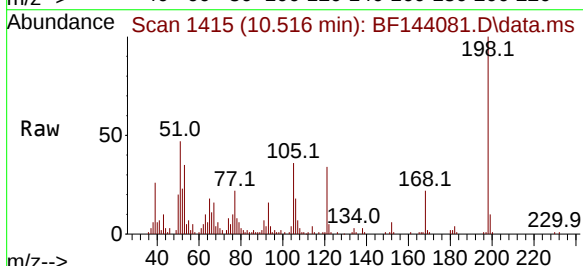
Tgt Ion:198 Resp: 43196

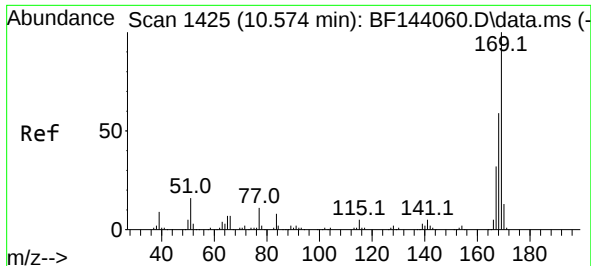
Ion Ratio Lower Upper

198 100

51 47.5 25.8 65.8

105 36.1 17.2 57.2

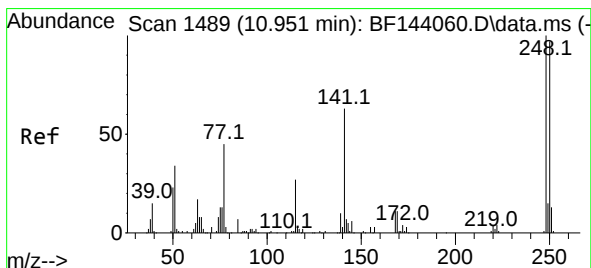
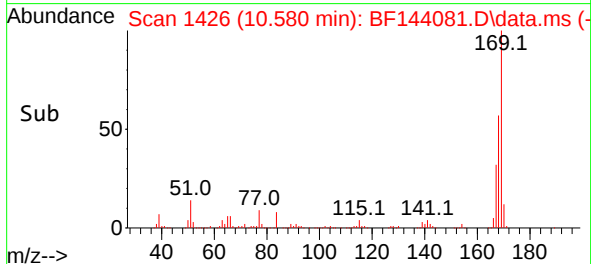
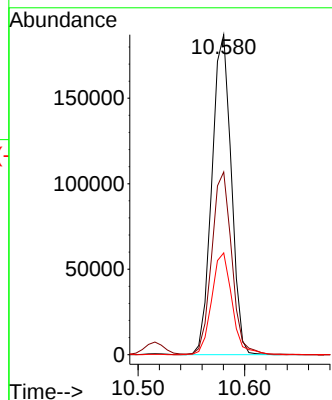
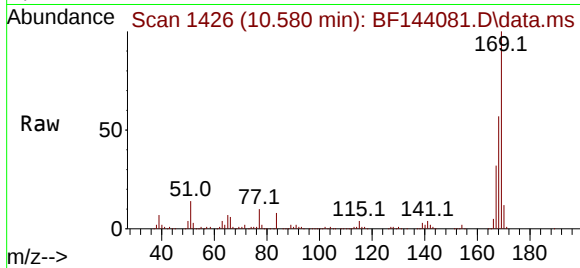




#66
n-Nitrosodiphenylamine
Concen: 50.990 ng
RT: 10.580 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

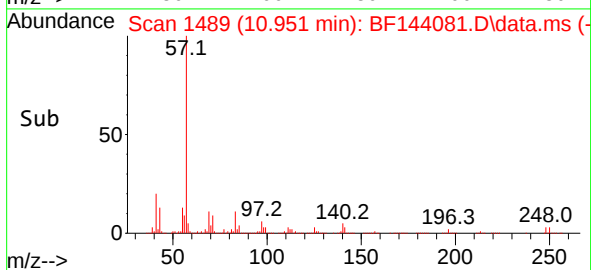
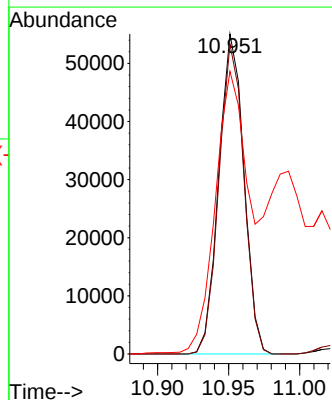
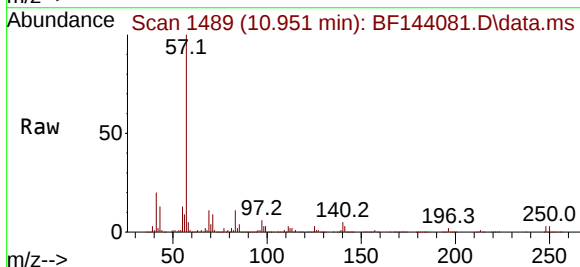
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

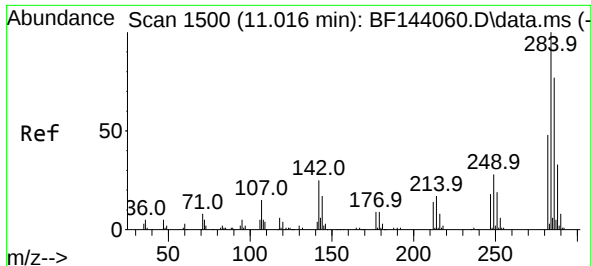
Tgt Ion:169 Resp: 235572
Ion Ratio Lower Upper
169 100
168 57.1 47.4 71.2
167 31.8 25.5 38.3



#67
4-Bromophenyl-phenylether
Concen: 37.415 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:248 Resp: 67738
Ion Ratio Lower Upper
248 100
250 96.8 77.8 116.6
141 88.3 50.5 75.7#

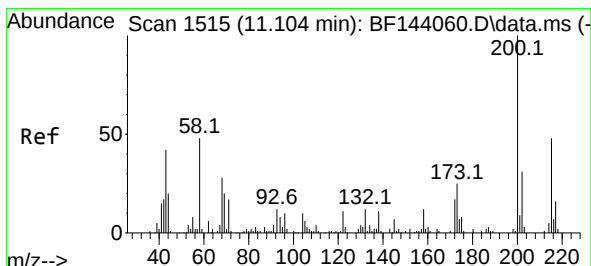
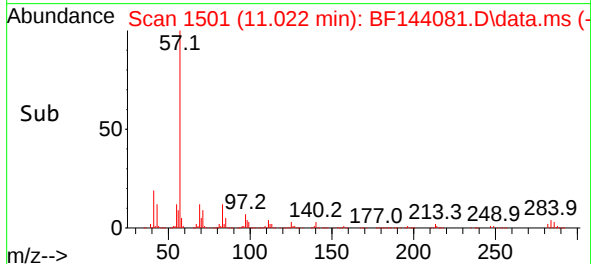
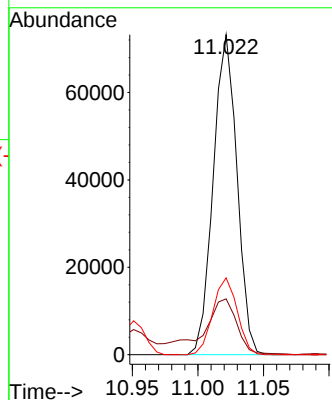
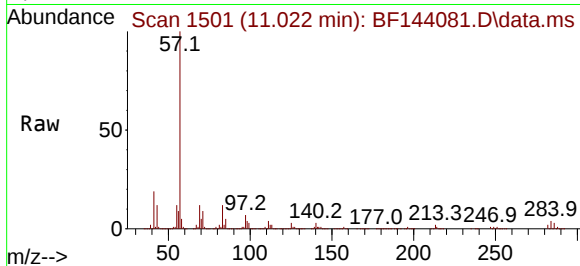




#68
Hexachlorobenzene
Concen: 41.439 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

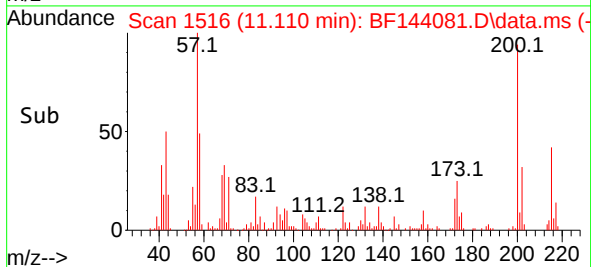
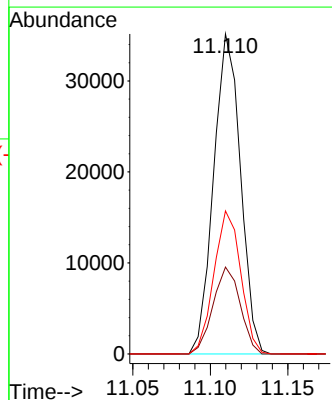
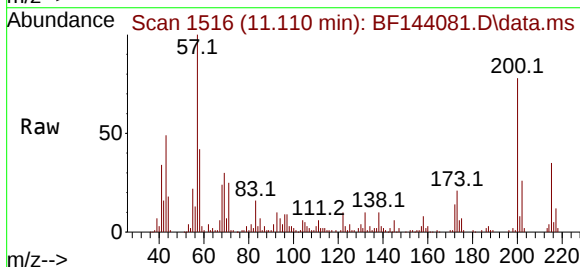
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

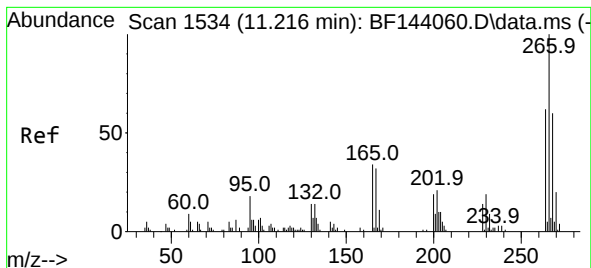
Tgt Ion:284 Resp: 92011
Ion Ratio Lower Upper
284 100
142 17.5 20.0 30.0#
249 24.0 22.2 33.2



#69
Atrazine
Concen: 27.923 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:200 Resp: 42332
Ion Ratio Lower Upper
200 100
173 27.1 4.9 44.9
215 44.7 28.2 68.2

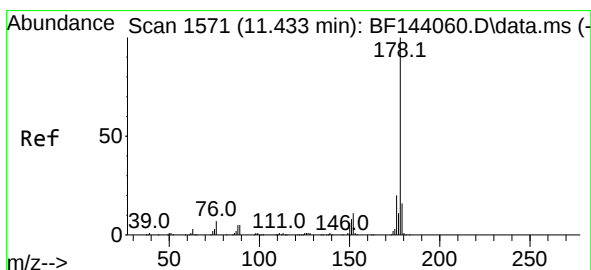
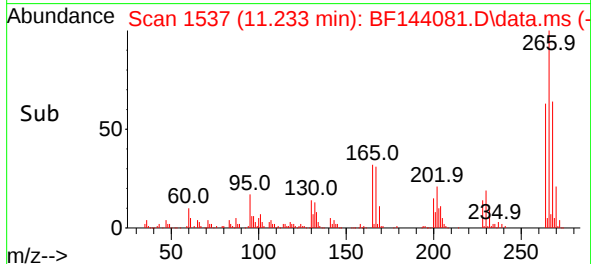
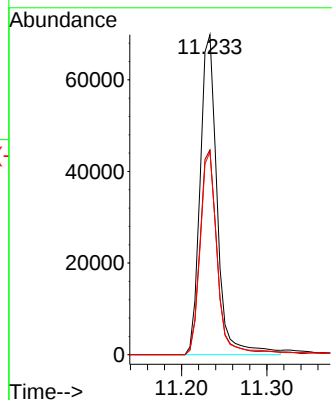
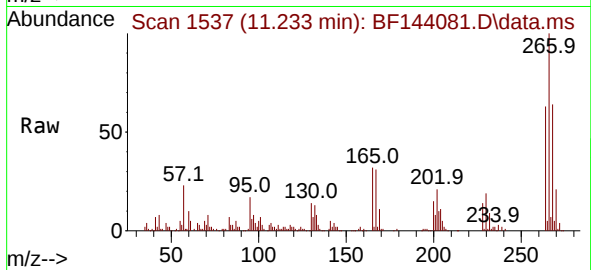




#70
 Pentachlorophenol
 Concen: 92.139 ng
 RT: 11.233 min Scan# 1537
 Delta R.T. 0.018 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

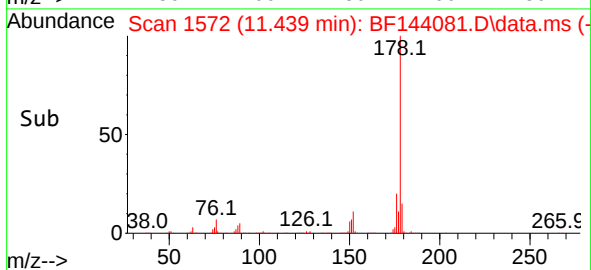
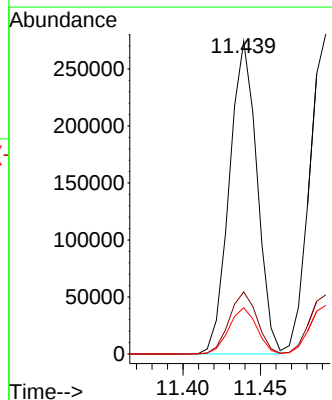
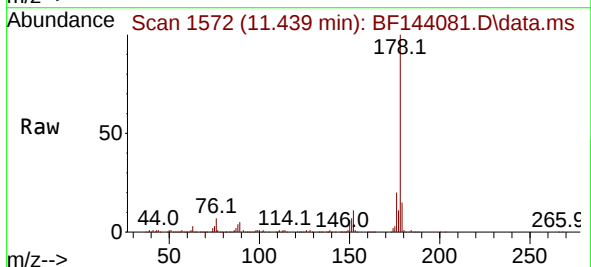
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WWMSD

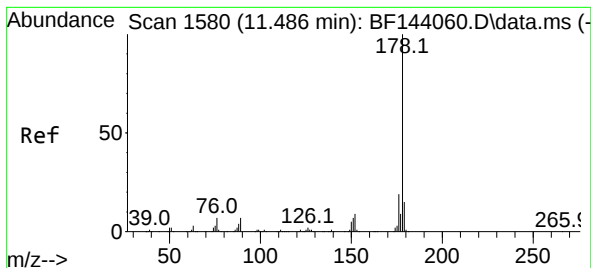
Tgt Ion:266 Resp: 97382
 Ion Ratio Lower Upper
 266 100
 268 64.0 48.2 72.4
 264 63.4 49.4 74.0



#71
 Phenanthrene
 Concen: 47.402 ng
 RT: 11.439 min Scan# 1572
 Delta R.T. 0.006 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

Tgt Ion:178 Resp: 340484
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.3 24.5
 179 14.8 12.6 18.8





#72

Anthracene

Concen: 47.340 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

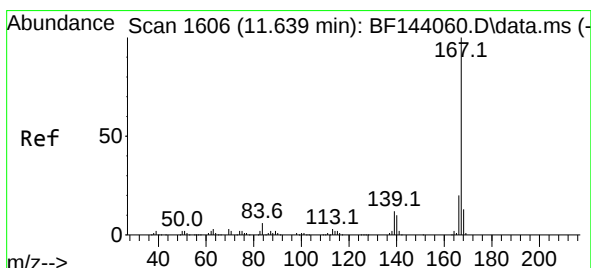
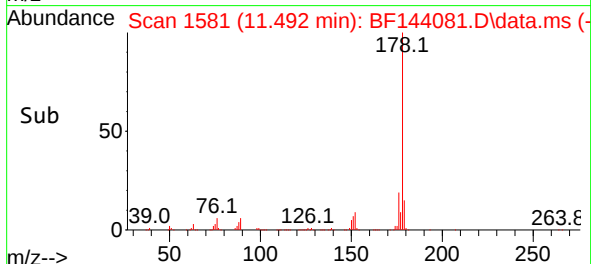
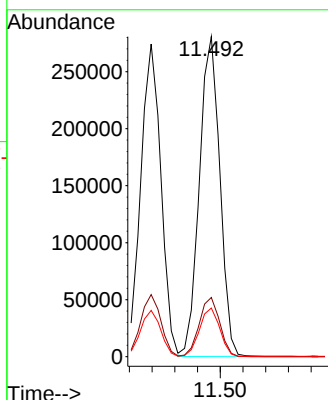
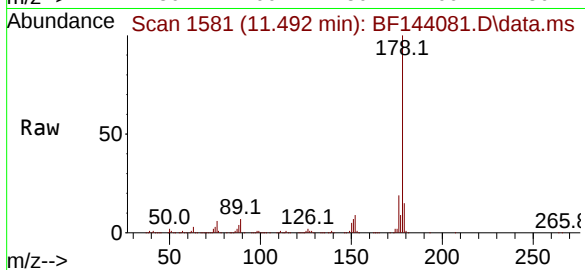
Tgt Ion:178 Resp: 351270

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.2 11.8 17.6



#73

Carbazole

Concen: 45.005 ng

RT: 11.645 min Scan# 1607

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

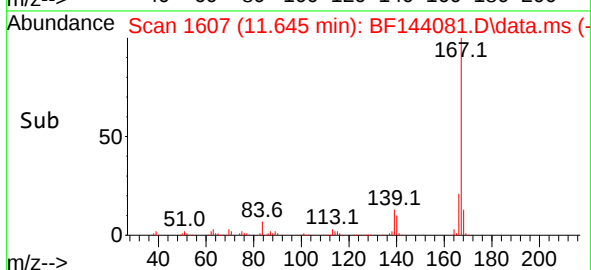
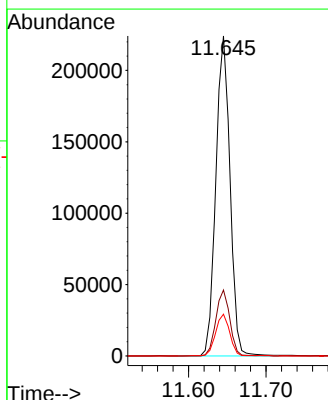
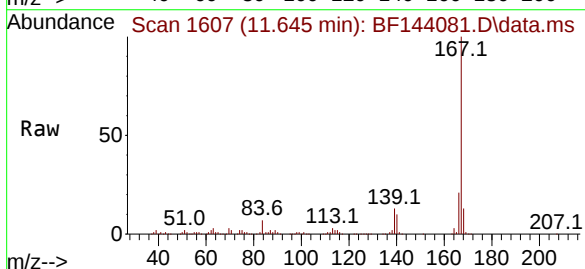
Tgt Ion:167 Resp: 284242

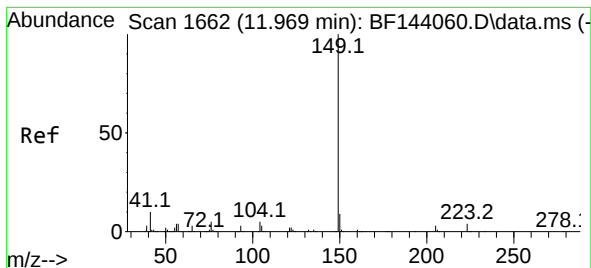
Ion Ratio Lower Upper

167 100

166 20.6 16.1 24.1

139 13.0 9.8 14.6

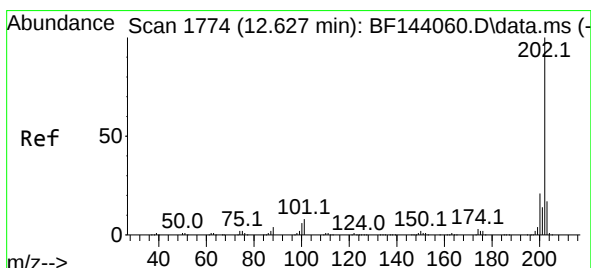
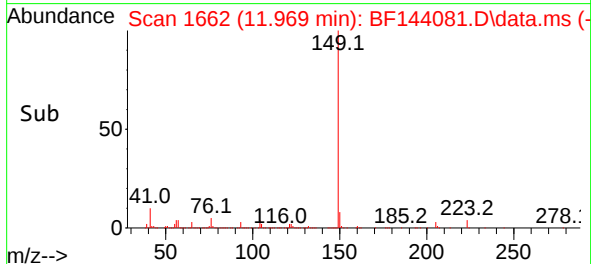
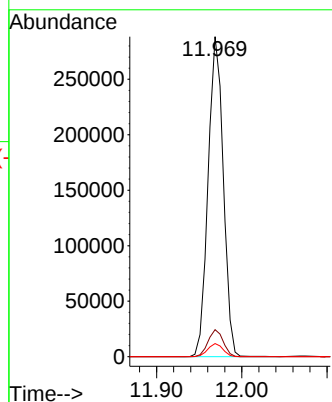
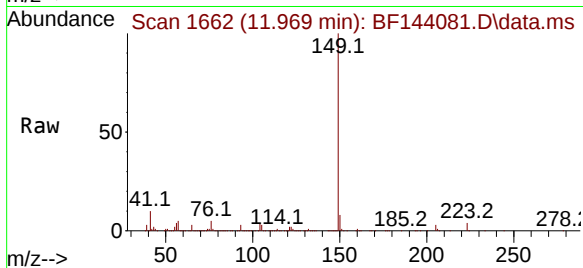




#74
Di-n-butylphthalate
Concen: 46.106 ng
RT: 11.969 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

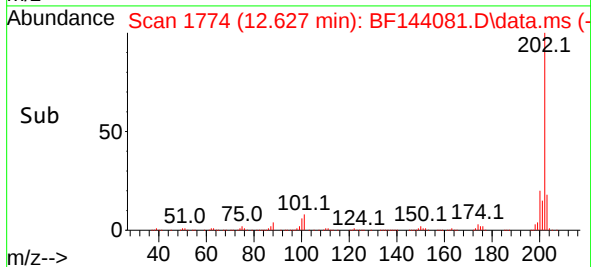
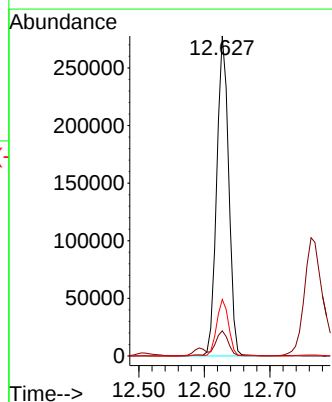
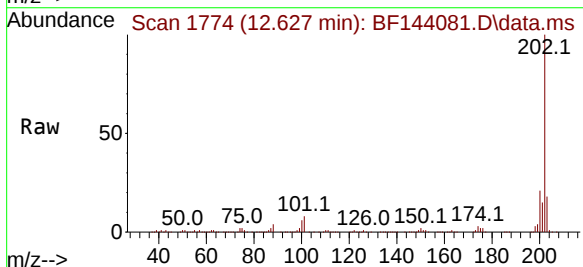
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

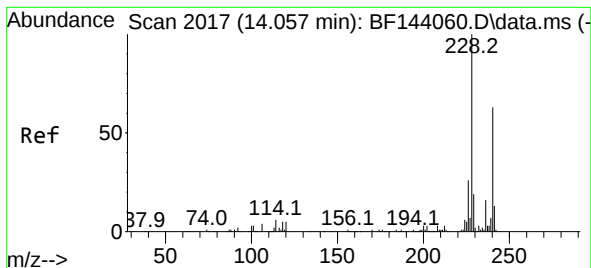
Tgt Ion:149 Resp: 357018
Ion Ratio Lower Upper
149 100
150 8.5 7.3 10.9
104 4.1 3.6 5.4



#75
Fluoranthene
Concen: 44.305 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:202 Resp: 351597
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.7
203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

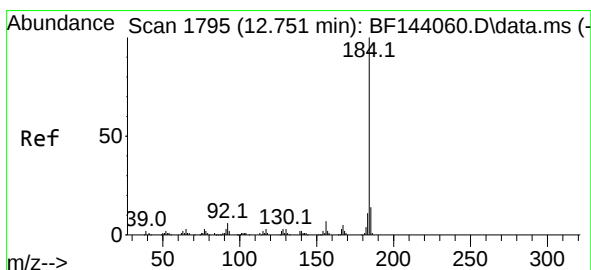
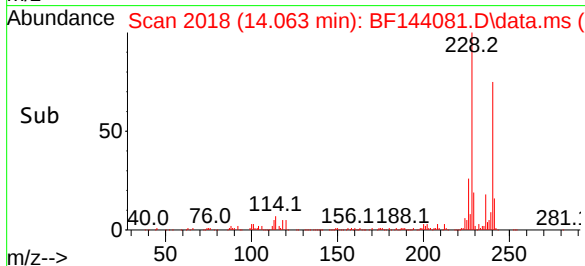
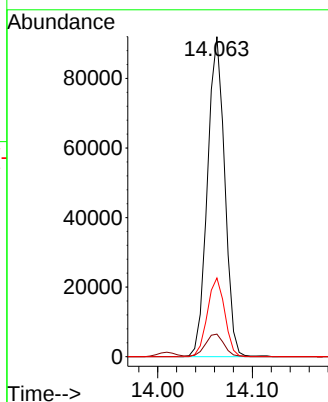
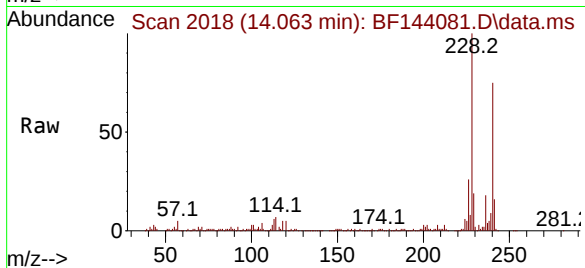
Tgt Ion:240 Resp: 116309

Ion Ratio Lower Upper

240 100

120 7.1 6.5 9.7

236 24.6 20.1 30.1



#77

Benzidine

Concen: 13.732 ng

RT: 12.751 min Scan# 1795

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

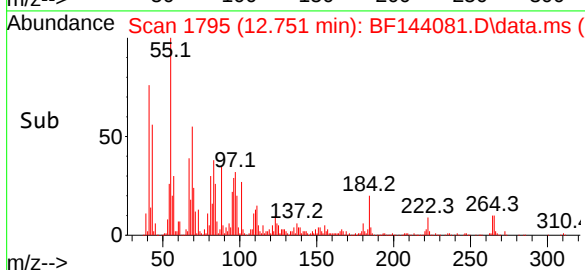
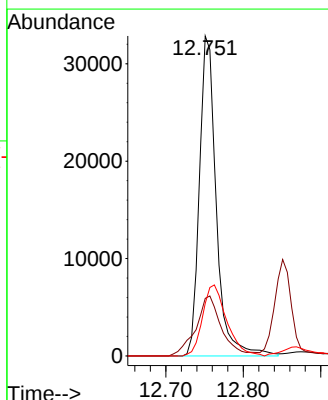
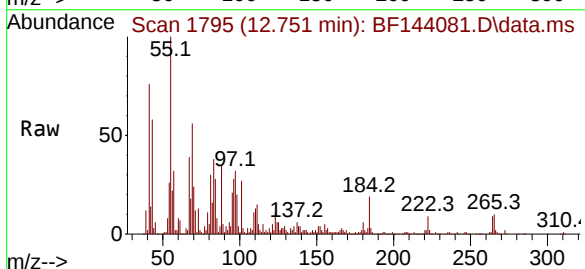
Tgt Ion:184 Resp: 49705

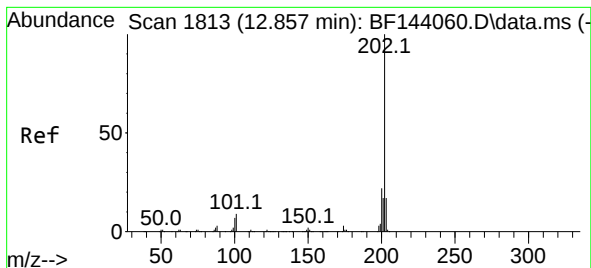
Ion Ratio Lower Upper

184 100

185 18.0 11.6 17.4#

183 16.5 8.5 12.7#





#78

Pyrene

Concen: 31.936 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

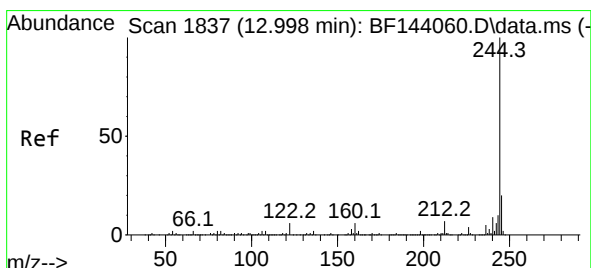
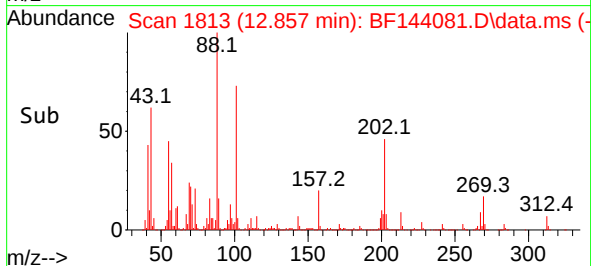
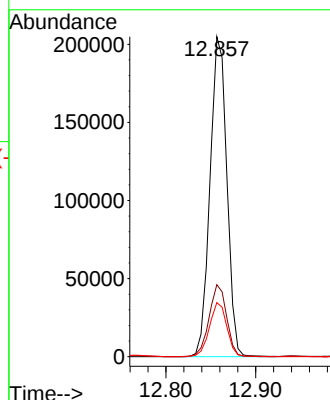
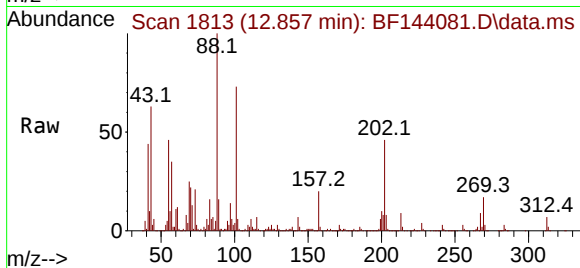
Tgt Ion:202 Resp: 267046

Ion Ratio Lower Upper

202 100

200 22.5 17.2 25.8

203 16.9 13.5 20.3



#79

Terphenyl-d14

Concen: 87.228 ng

RT: 13.004 min Scan# 1838

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

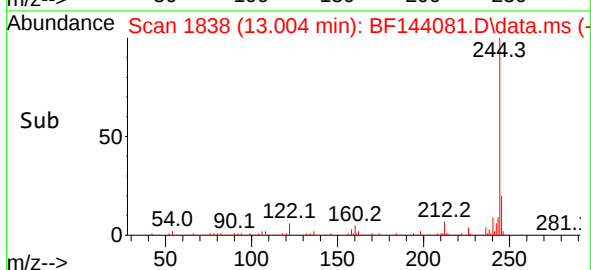
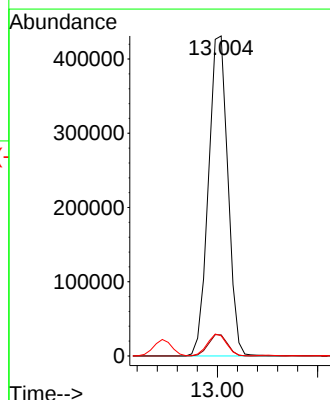
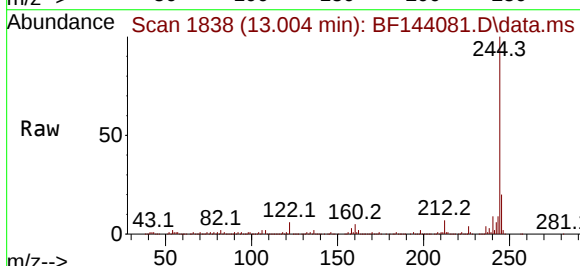
Tgt Ion:244 Resp: 580328

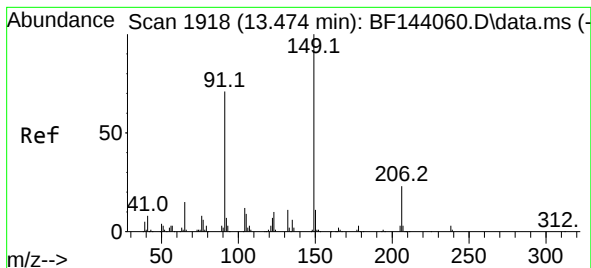
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 6.3 4.9 7.3





#80

Butylbenzylphthalate

Concen: 47.858 ng

RT: 13.474 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

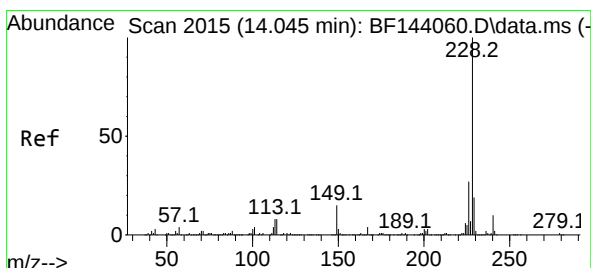
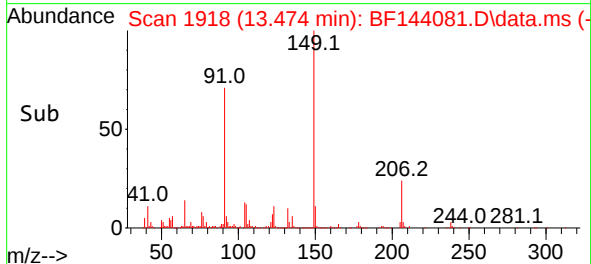
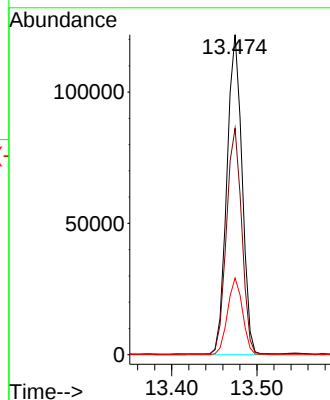
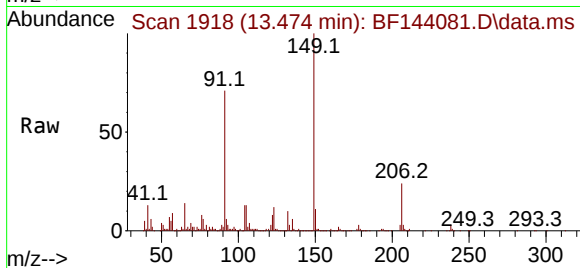
Tgt Ion:149 Resp: 151394

Ion Ratio Lower Upper

149 100

91 70.7 56.6 84.8

206 24.0 18.3 27.5



#81

Benzo(a)anthracene

Concen: 49.619 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

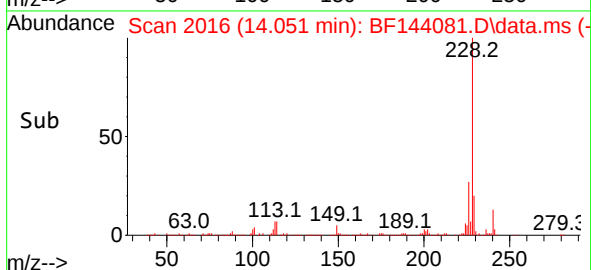
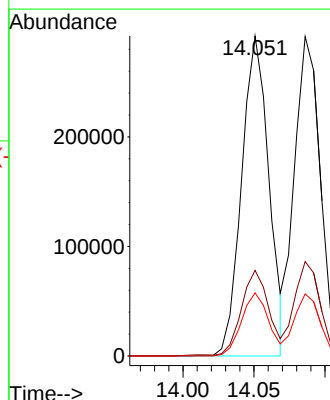
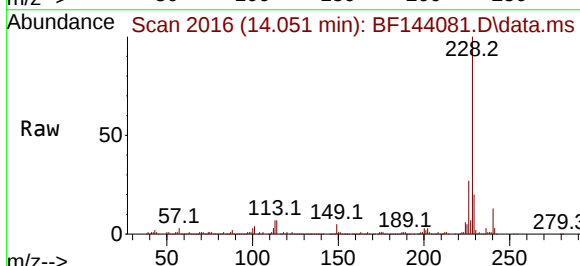
Tgt Ion:228 Resp: 390020

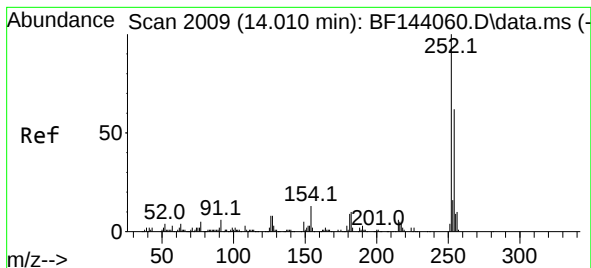
Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

229 19.7 15.3 22.9

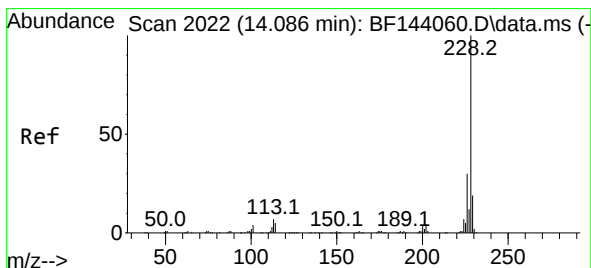
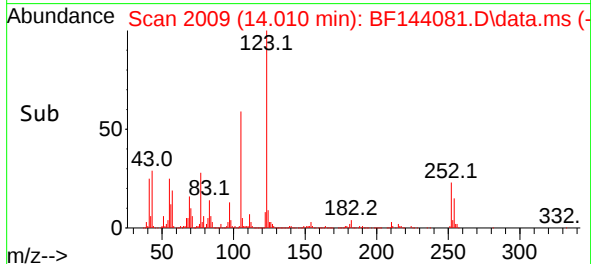
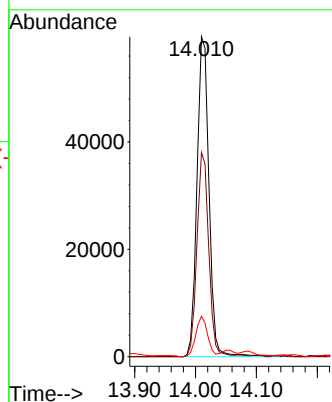
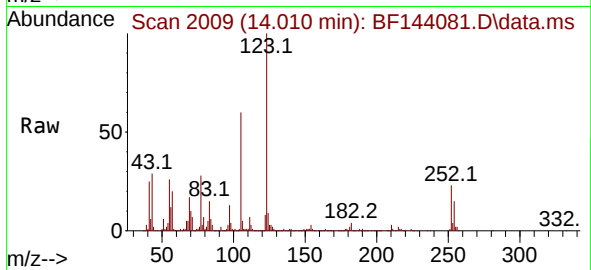




#82
 3,3'-Dichlorobenzidine
 Concen: 29.822 ng
 RT: 14.010 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

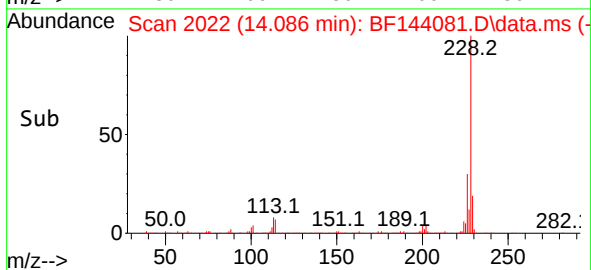
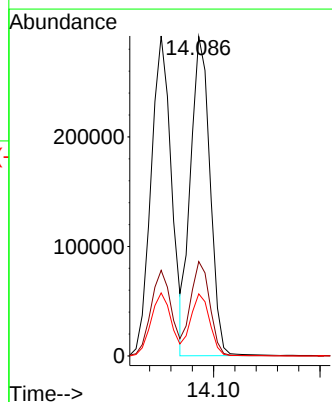
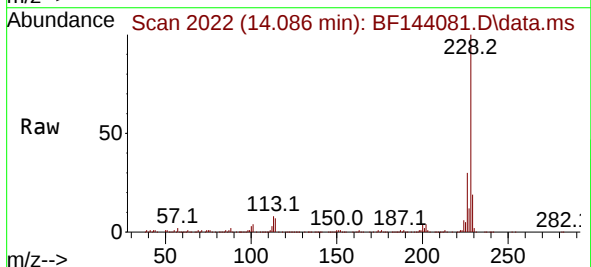
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WWMSD

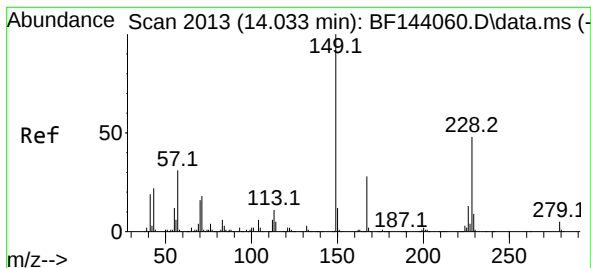
Tgt Ion:252 Resp: 81598
 Ion Ratio Lower Upper
 252 100
 254 63.8 49.9 74.9
 126 12.7 6.5 9.7#



#83
 Chrysene
 Concen: 49.990 ng
 RT: 14.086 min Scan# 2022
 Delta R.T. 0.000 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

Tgt Ion:228 Resp: 368729
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.8 35.6
 229 19.4 15.6 23.4

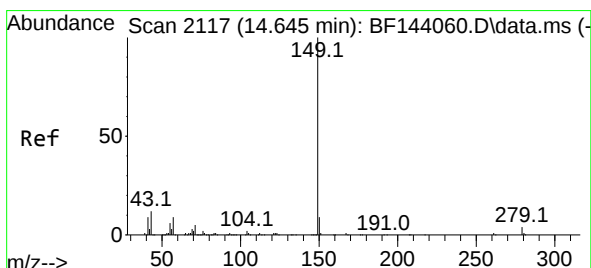
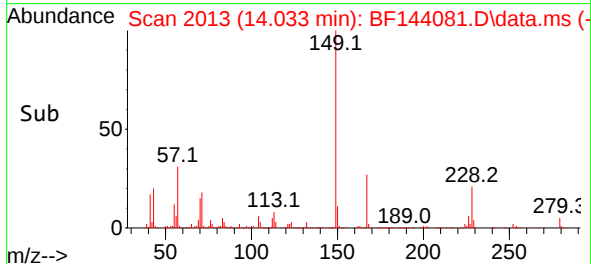
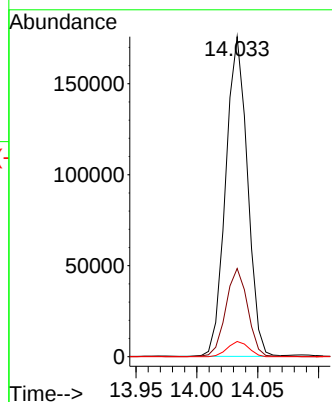
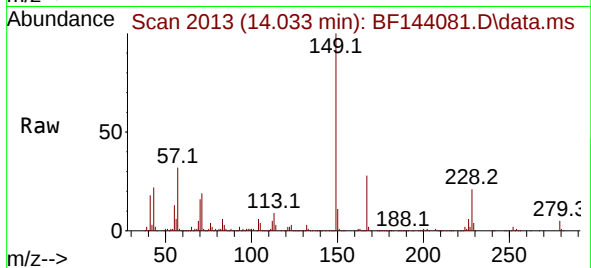




#84
Bis(2-ethylhexyl)phthalate
Concen: 50.579 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

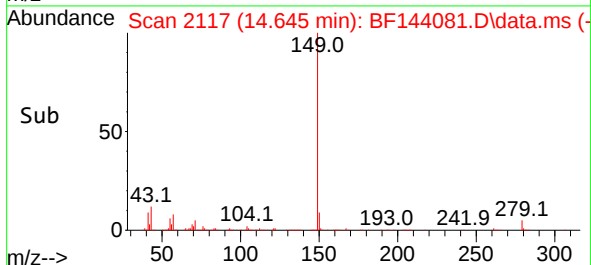
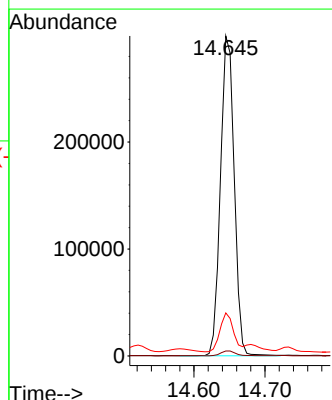
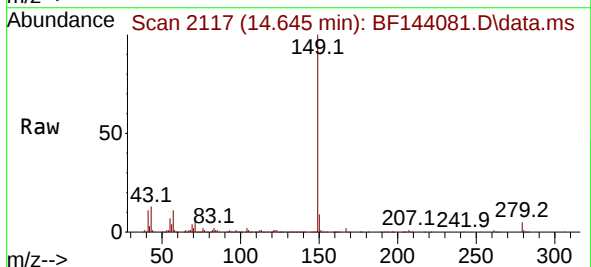
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

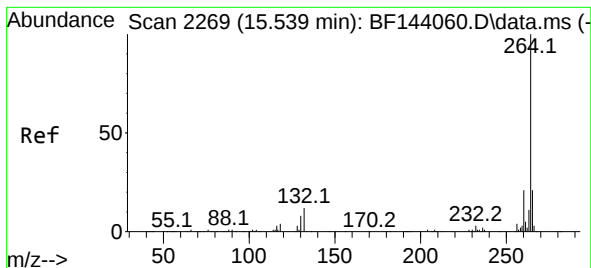
Tgt Ion:149 Resp: 218431
Ion Ratio Lower Upper
149 100
167 27.6 22.5 33.7
279 4.7 3.6 5.4



#85
Di-n-octyl phthalate
Concen: 53.864 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:149 Resp: 400041
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 12.0 9.3 13.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

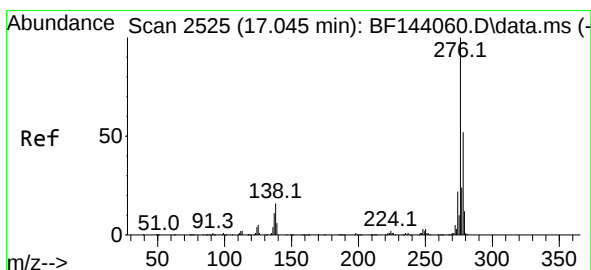
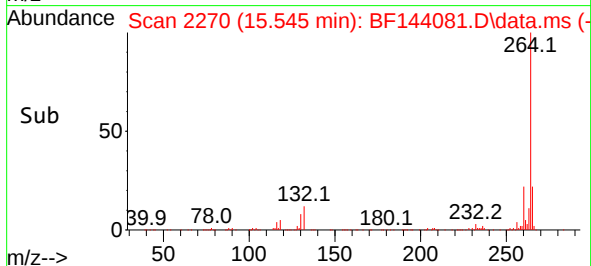
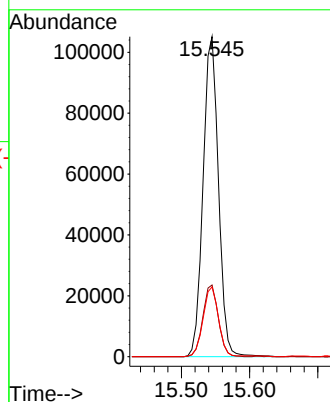
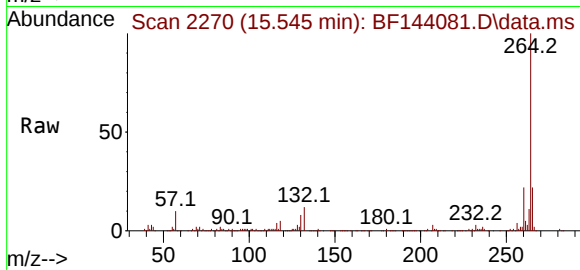
Tgt Ion:264 Resp: 164968

Ion Ratio Lower Upper

264 100

260 22.4 17.0 25.4

265 21.8 16.6 24.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 48.864 ng

RT: 17.056 min Scan# 2527

Delta R.T. 0.012 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

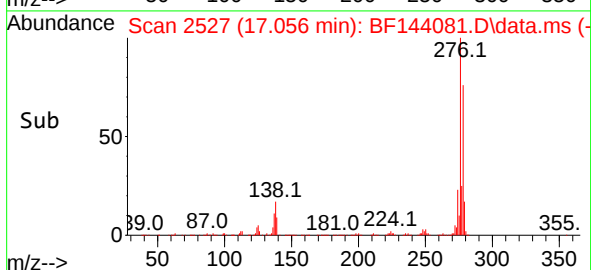
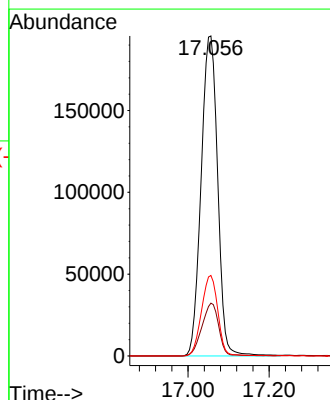
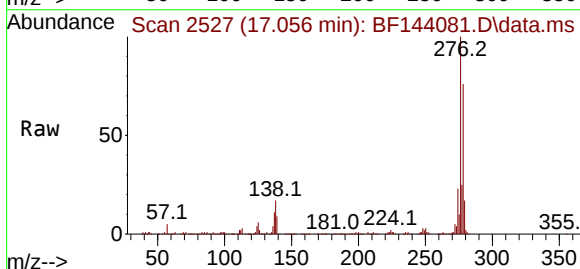
Tgt Ion:276 Resp: 553432

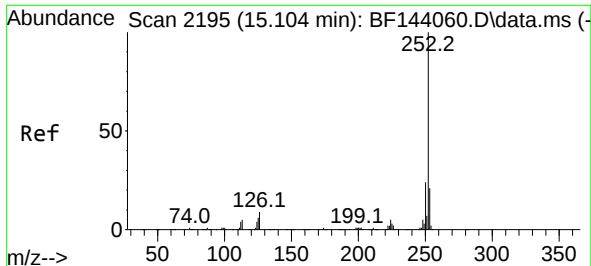
Ion Ratio Lower Upper

276 100

138 16.9 13.0 19.6

277 24.9 19.4 29.0

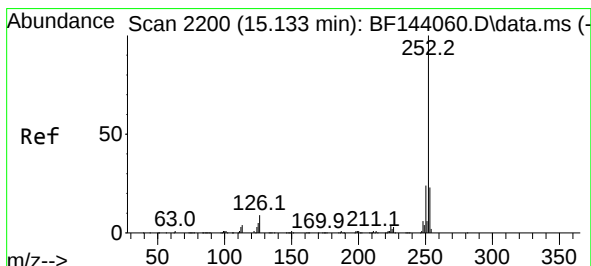
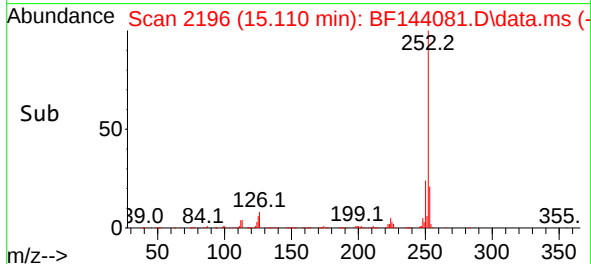
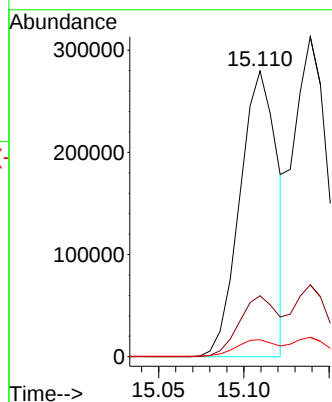
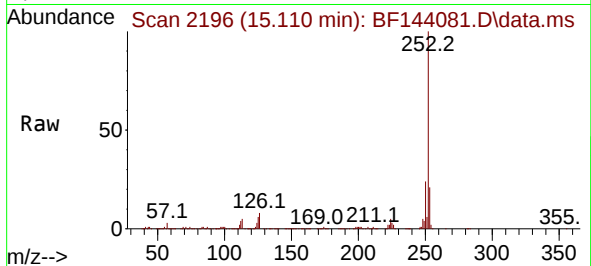




#88
Benzo(b)fluoranthene
Concen: 45.664 ng
RT: 15.110 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

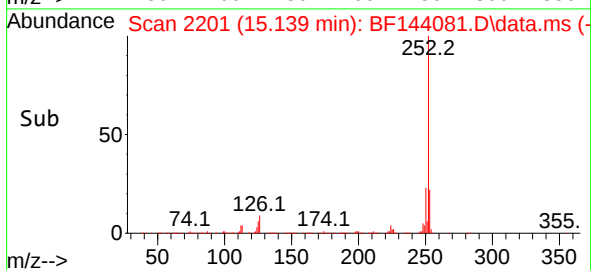
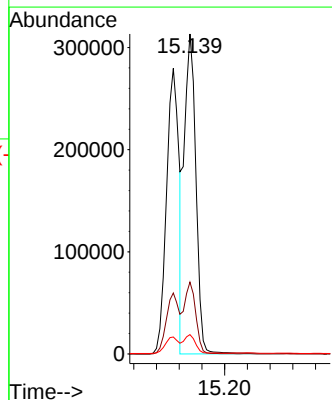
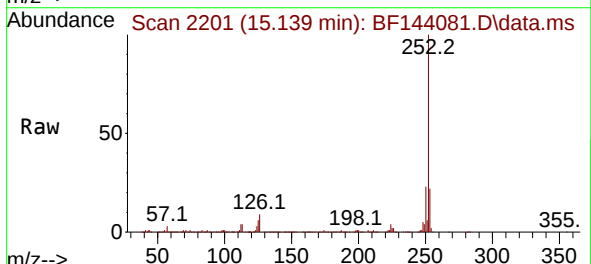
Instrument :
BNA_F
ClientSampleId :
EFF-WWMSD

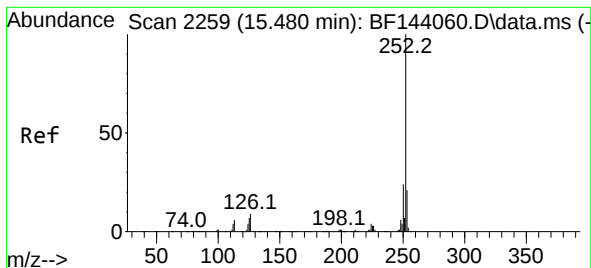
Tgt Ion:252 Resp: 425872
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 5.9 5.0 7.6



#89
Benzo(k)fluoranthene
Concen: 51.557 ng
RT: 15.139 min Scan# 2201
Delta R.T. 0.006 min
Lab File: BF144081.D
Acq: 27 Oct 2025 14:04

Tgt Ion:252 Resp: 443630
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 6.0 4.9 7.3





#90

Benzo(a)pyrene

Concen: 49.709 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

Instrument :

BNA_F

ClientSampleId :

EFF-WWMSD

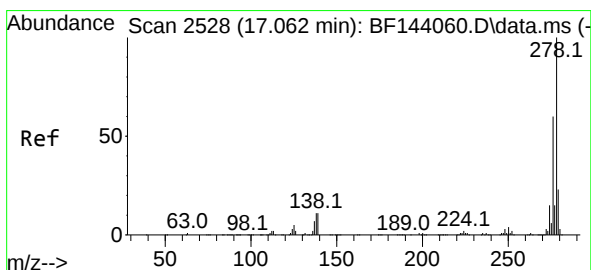
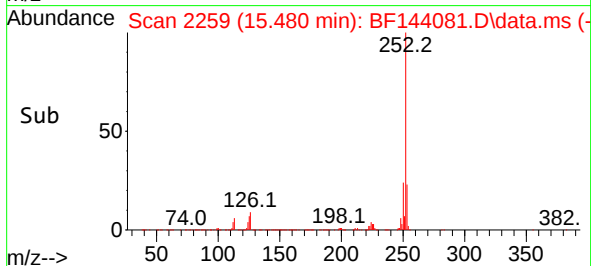
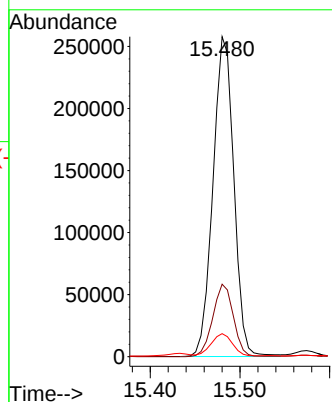
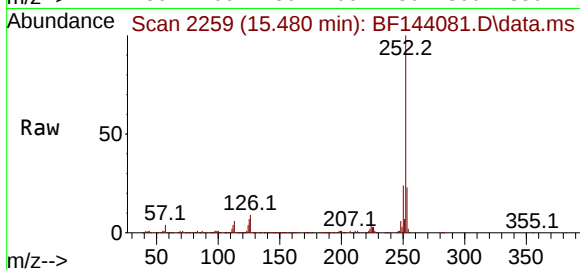
Tgt Ion:252 Resp: 415903

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 7.2 5.4 8.2



#91

Dibenzo(a,h)anthracene

Concen: 50.197 ng

RT: 17.068 min Scan# 2529

Delta R.T. 0.006 min

Lab File: BF144081.D

Acq: 27 Oct 2025 14:04

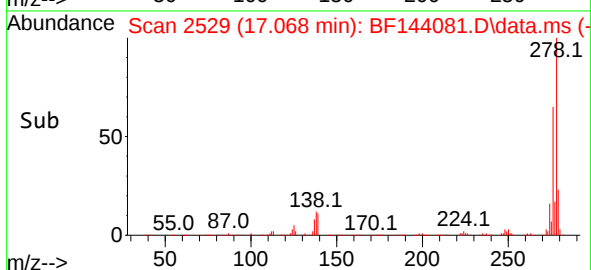
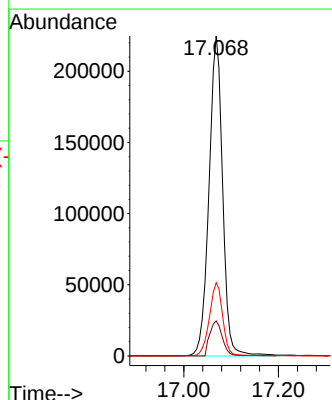
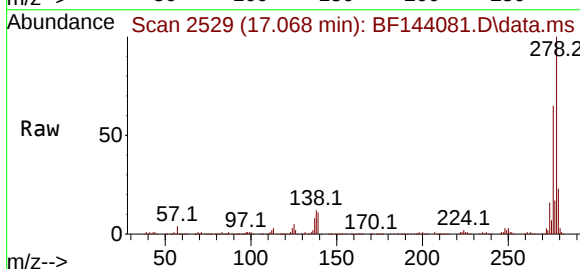
Tgt Ion:278 Resp: 450035

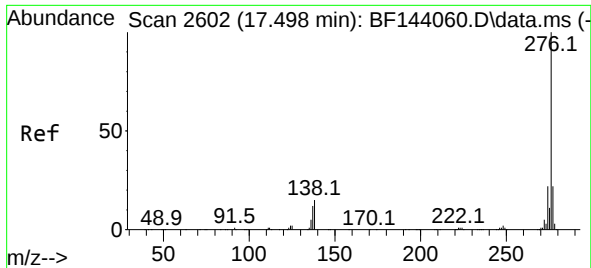
Ion Ratio Lower Upper

278 100

139 11.0 8.5 12.7

279 22.9 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 49.977 ng
 RT: 17.509 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF144081.D
 Acq: 27 Oct 2025 14:04

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WWMSD

Tgt Ion:276 Resp: 450477
 Ion Ratio Lower Upper
 276 100
 277 24.0 17.9 26.9
 138 14.2 12.0 18.0

