

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031925\
 Data File : BF141998.D
 Acq On : 19 Mar 2025 11:13
 Operator : RC/JU
 Sample : PB167188BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167188BS

Quant Time: Mar 19 11:41:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	166113	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	646752	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	355612	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	591930	20.000	ng	0.00
76) Chrysene-d12	14.039	240	375141	20.000	ng	0.00
86) Perylene-d12	15.510	264	375629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1286547	129.261	ng	0.02
7) Phenol-d6	6.504	99	1577631	124.493	ng	0.00
23) Nitrobenzene-d5	7.440	82	1061379	92.354	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	653021	144.749	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2222214	95.035	ng	0.00
79) Terphenyl-d14	12.986	244	2380327	93.810	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.757	88	166452	39.913	ng	98
3) Pyridine	3.516	79	390395	38.163	ng	97
4) n-Nitrosodimethylamine	3.463	42	194693	39.926	ng	96
6) Aniline	6.540	93	407846	32.624	ng	97
8) 2-Chlorophenol	6.663	128	487451	44.158	ng	98
9) Benzaldehyde	6.428	77	128119	18.077	ng	98
10) Phenol	6.522	94	561580	42.123	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	427547	42.709	ng	97
12) 1,3-Dichlorobenzene	6.822	146	522728	43.862	ng	99
13) 1,4-Dichlorobenzene	6.898	146	531368	44.068	ng	99
14) 1,2-Dichlorobenzene	7.045	146	504608	44.430	ng	99
15) Benzyl Alcohol	7.016	79	429090	41.883	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	471727	39.032	ng	98
17) 2-Methylphenol	7.128	107	383854	43.734	ng	99
18) Hexachloroethane	7.392	117	198555	43.912	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	326043	40.041	ng	99
20) 3+4-Methylphenols	7.281	107	482553	42.924	ng	# 85
22) Acetophenone	7.287	105	732579	47.299	ng	98
24) Nitrobenzene	7.463	77	497021	43.503	ng	98
25) Isophorone	7.698	82	899397	44.273	ng	100
26) 2-Nitrophenol	7.775	139	260119	46.389	ng	99
27) 2,4-Dimethylphenol	7.810	122	415756	53.847	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	540295	42.404	ng	100
29) 2,4-Dichlorophenol	8.016	162	419670	43.790	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	463186	43.856	ng	99
31) Naphthalene	8.181	128	1415199	42.597	ng	100
32) Benzoic acid	7.928	122	336114	49.522	ng	98
33) 4-Chloroaniline	8.228	127	172000	14.666	ng	98
34) Hexachlorobutadiene	8.298	225	317291	46.066	ng	99
35) Caprolactam	8.598	113	88892	30.423	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	448569	41.959	ng	97
37) 2-Methylnaphthalene	8.875	142	916020	41.250	ng	100
38) 1-Methylnaphthalene	8.969	142	894216	41.730	ng	98
40) 1,2,4,5-Tetrachloroben...	9.039	216	546609	50.486	ng	97
41) Hexachlorocyclopentadiene	9.028	237	724223	170.919	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	322737	45.611	ng	100

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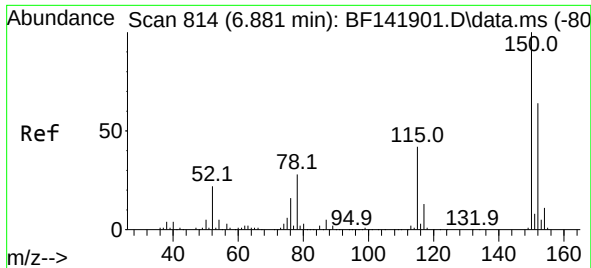
Quant Time: Mar 19 11:41:02 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	329207	45.937	ng	98
46) 1,1'-Biphenyl	9.334	154	1327916	49.146	ng	100
47) 2-Chloronaphthalene	9.363	162	908865	45.129	ng	99
48) 2-Nitroaniline	9.457	65	251675	43.160	ng	96
49) Acenaphthylene	9.781	152	1387681	46.433	ng	100
50) Dimethylphthalate	9.639	163	1075797	43.200	ng	100
51) 2,6-Dinitrotoluene	9.698	165	230136	44.385	ng	93
52) Acenaphthene	9.951	154	1038096	49.427	ng	99
53) 3-Nitroaniline	9.863	138	119398	22.702	ng	98
54) 2,4-Dinitrophenol	9.975	184	271649	91.207	ng	# 46
55) Dibenzofuran	10.122	168	1273171	42.425	ng	99
56) 4-Nitrophenol	10.028	139	367794	92.730	ng	96
57) 2,4-Dinitrotoluene	10.104	165	311198	45.953	ng	98
58) Fluorene	10.463	166	996582	43.062	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	289603	44.409	ng	97
60) Diethylphthalate	10.339	149	1038986	41.842	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	530069	43.932	ng	97
62) 4-Nitroaniline	10.481	138	213141	41.626	ng	99
63) Azobenzene	10.616	77	916791	39.712	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	168234	47.675	ng	96
66) n-Nitrosodiphenylamine	10.575	169	864127	45.112	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	335322	45.107	ng	98
68) Hexachlorobenzene	11.010	284	386465	47.400	ng	96
69) Atrazine	11.098	200	340963	58.064	ng	100
70) Pentachlorophenol	11.204	266	457066	90.985	ng	100
71) Phenanthrene	11.428	178	1404913	43.942	ng	99
72) Anthracene	11.480	178	1455129	45.365	ng	100
73) Carbazole	11.633	167	1189605	43.003	ng	100
74) Di-n-butylphthalate	11.963	149	1504011	40.975	ng	99
75) Fluoranthene	12.616	202	1392061	41.046	ng	99
77) Benzidine	12.733	184	365207	69.777	ng	99
78) Pyrene	12.845	202	1371648	42.269	ng	100
80) Butylbenzylphthalate	13.457	149	524556	41.300	ng	99
81) Benzo(a)anthracene	14.027	228	1088444	44.215	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	220332	30.972	ng	98
83) Chrysene	14.069	228	1015438	45.506	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	739189	42.210	ng	99
85) Di-n-octyl phthalate	14.627	149	1186547	48.696	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	1163944	47.901	ng	98
88) Benzo(b)fluoranthene	15.080	252	1140814	44.314	ng	100
89) Benzo(k)fluoranthene	15.110	252	870957	39.533	ng	99
90) Benzo(a)pyrene	15.451	252	947708	47.047	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	953213	47.545	ng	99
92) Benzo(g,h,i)perylene	17.457	276	870750	43.951	ng	98

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

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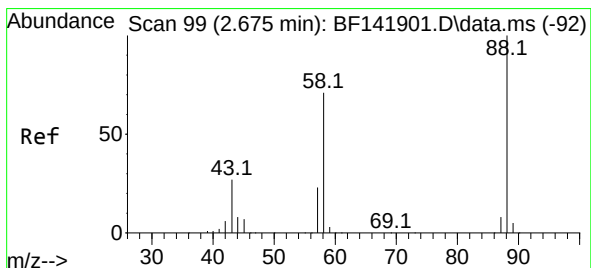
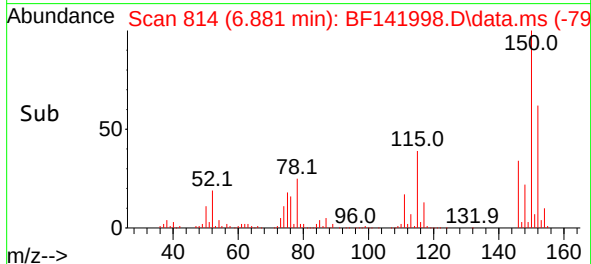
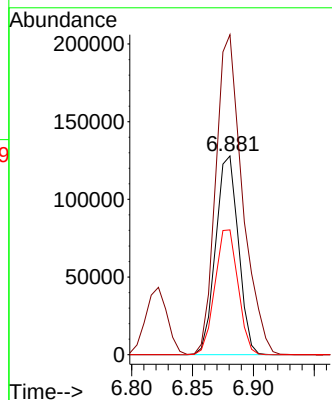
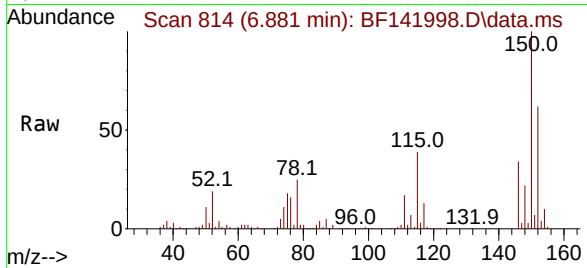




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

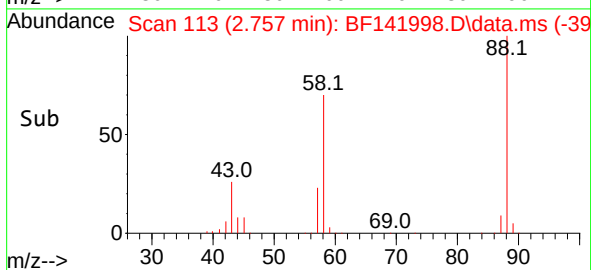
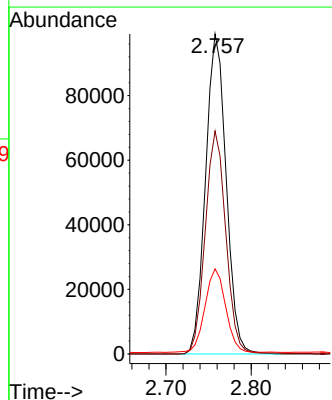
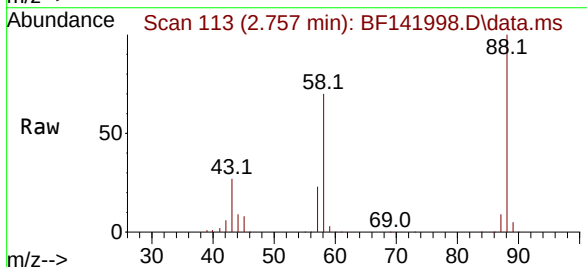
Instrument :
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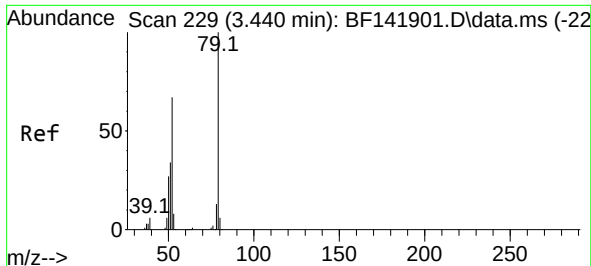
Tgt Ion:152 Resp: 166113
 Ion Ratio Lower Upper
 152 100
 150 161.0 127.4 191.2
 115 62.8 51.9 77.9



#2
 1,4-Dioxane
 Concen: 39.913 ng
 RT: 2.757 min Scan# 113
 Delta R.T. 0.083 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

Tgt Ion: 88 Resp: 166452
 Ion Ratio Lower Upper
 88 100
 58 69.7 57.4 86.2
 43 26.5 21.5 32.3

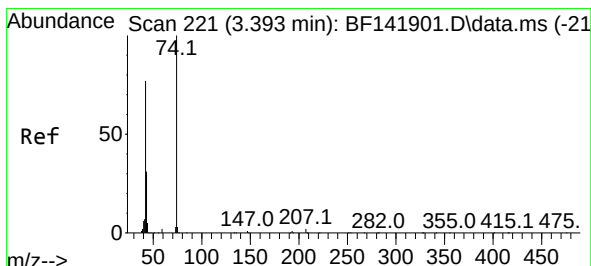
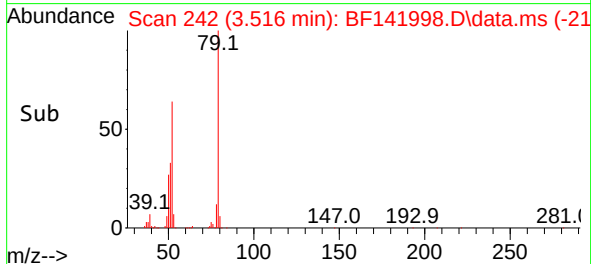
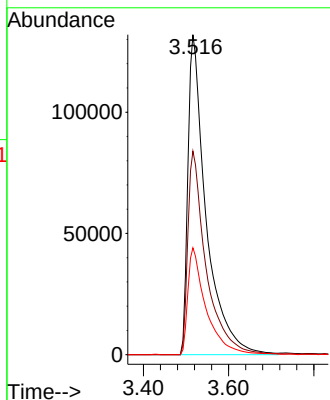
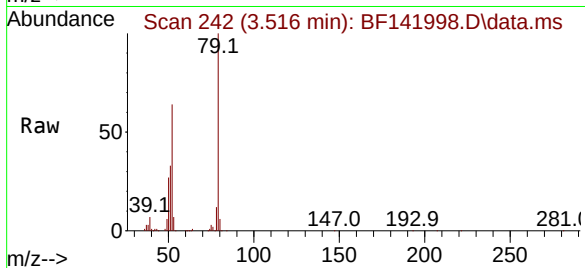




#3
Pyridine
Concen: 38.163 ng
RT: 3.516 min Scan# 24
Delta R.T. 0.077 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

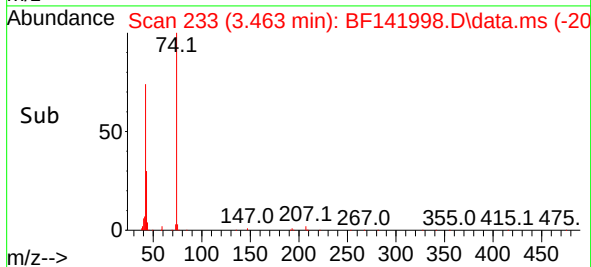
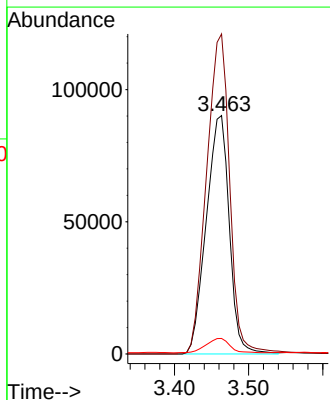
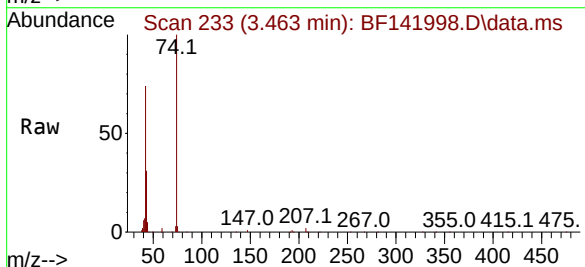
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ClientSampleId :
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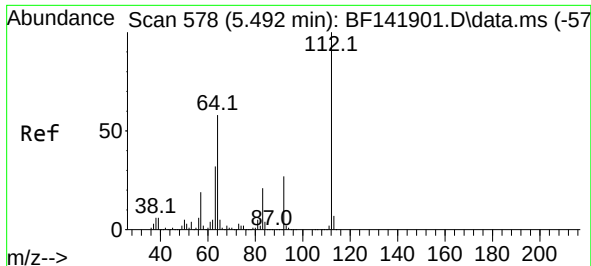
Tgt Ion: 79 Resp: 390395
Ion Ratio Lower Upper
79 100
52 63.6 53.3 79.9
51 33.4 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 39.926 ng
RT: 3.463 min Scan# 233
Delta R.T. 0.071 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 42 Resp: 194693
Ion Ratio Lower Upper
42 100
74 134.3 103.4 155.0
44 6.5 5.0 7.4

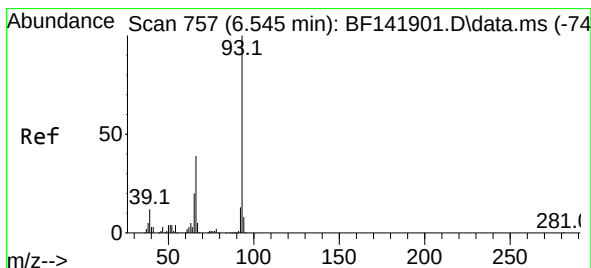
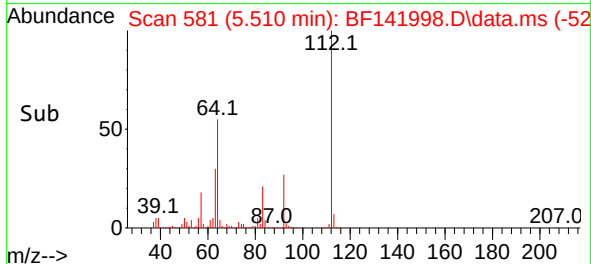
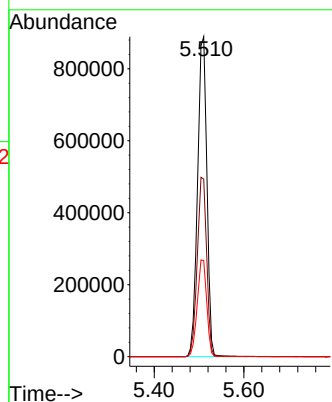
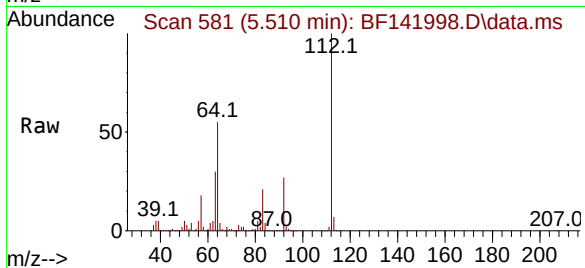




#5
2-Fluorophenol
Concen: 129.261 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

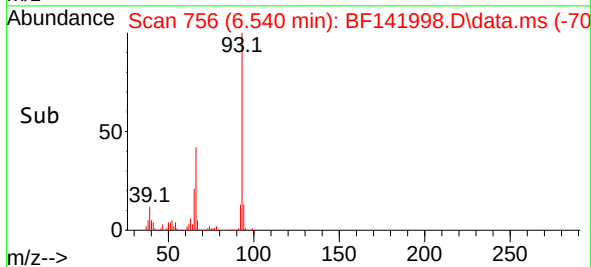
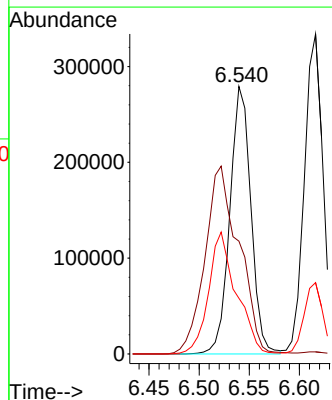
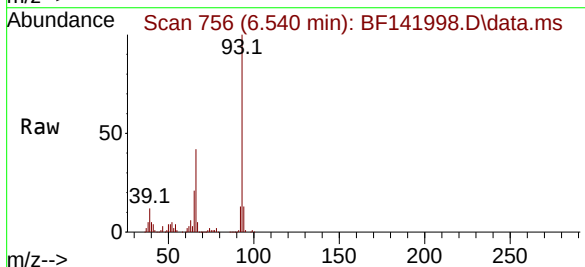
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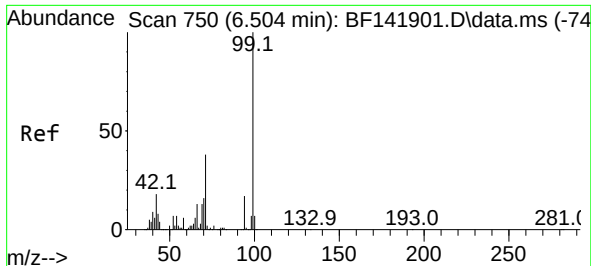
Tgt Ion:112 Resp: 1286547
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.0 25.4 38.2



#6
Aniline
Concen: 32.624 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 93 Resp: 407846
Ion Ratio Lower Upper
93 100
66 42.2 31.9 47.9
65 20.8 15.8 23.6



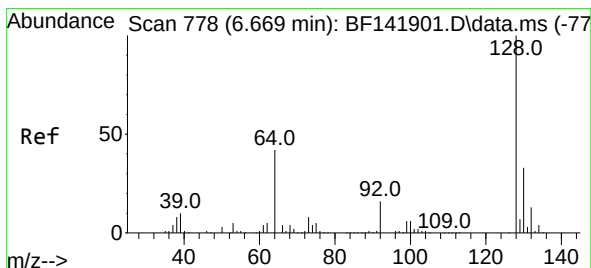
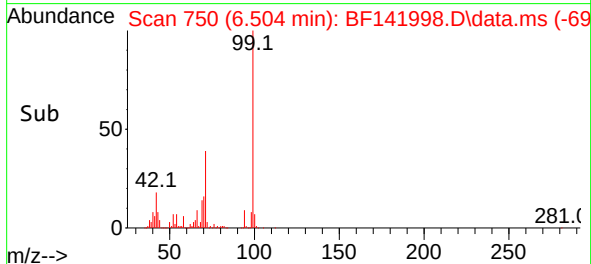
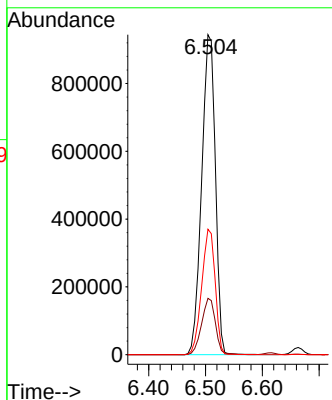
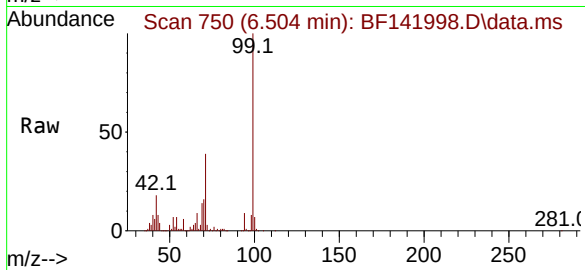


#7
Phenol-d6
Concen: 124.493 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141998.D
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ClientSampleId :
PB167188BS

Tgt Ion: 99 Resp: 1577631

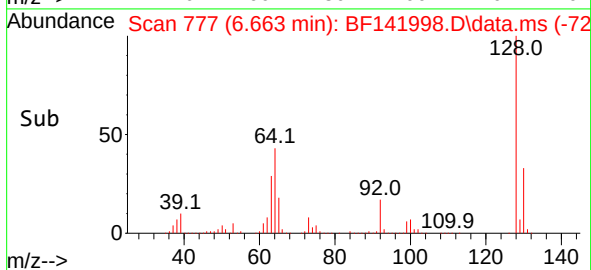
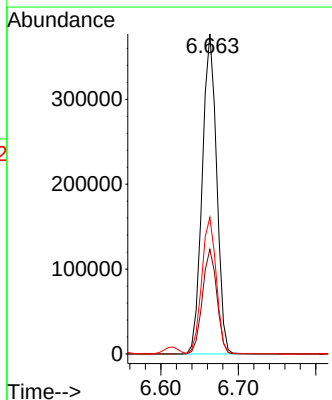
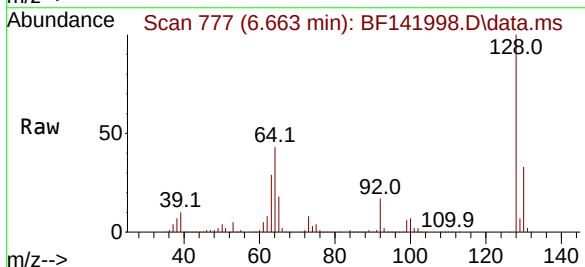
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	39.2	30.8	46.2

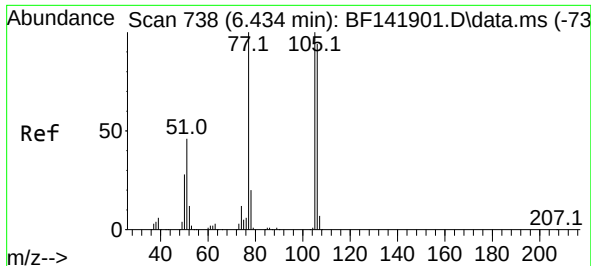


#8
2-Chlorophenol
Concen: 44.158 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:128 Resp: 487451

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	42.7	24.4	64.4

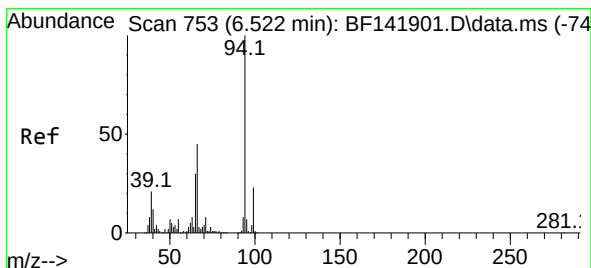
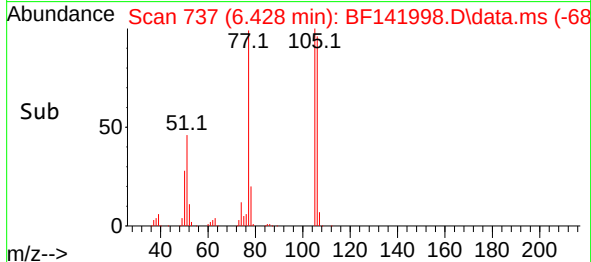
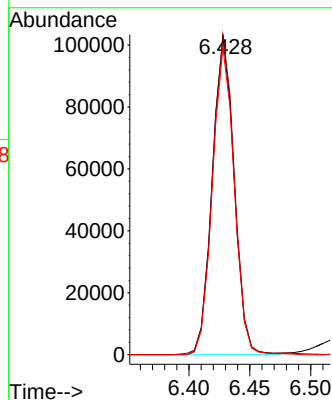
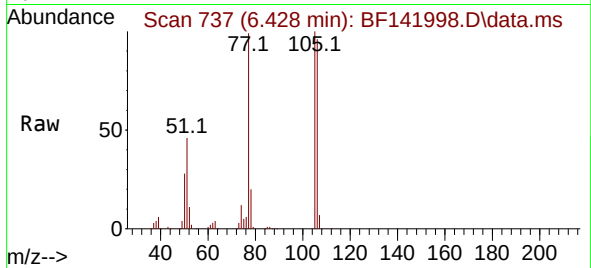




#9
Benzaldehyde
Concen: 18.077 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

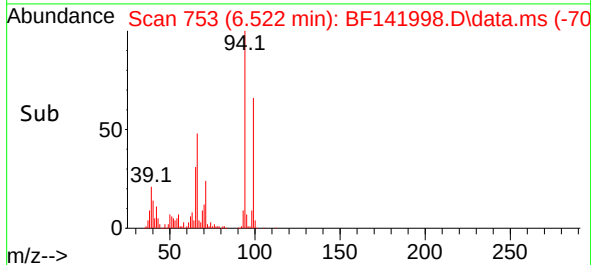
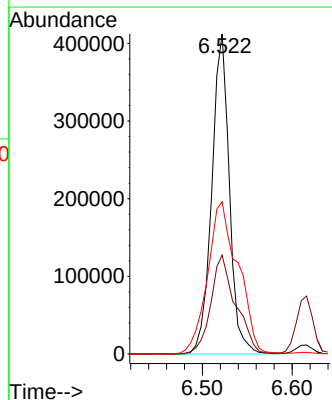
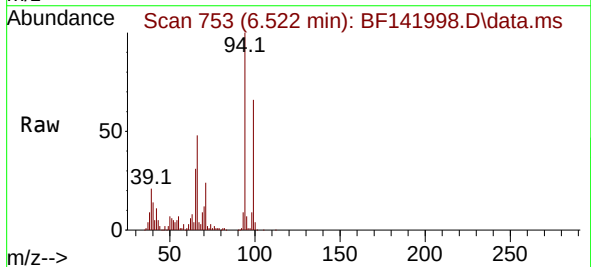
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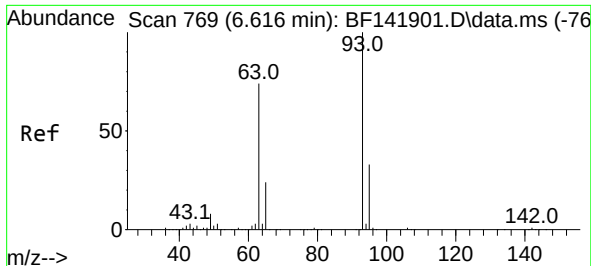
Tgt Ion: 77 Resp: 128119
Ion Ratio Lower Upper
77 100
105 100.8 80.0 120.0
106 96.8 74.5 114.5



#10
Phenol
Concen: 42.123 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 94 Resp: 561580
Ion Ratio Lower Upper
94 100
65 30.9 10.5 50.5
66 47.6 25.8 65.8

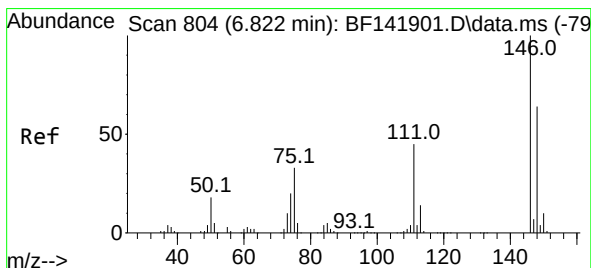
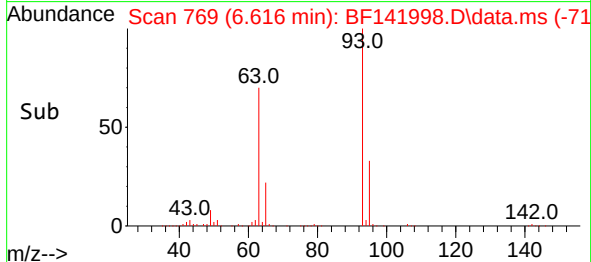
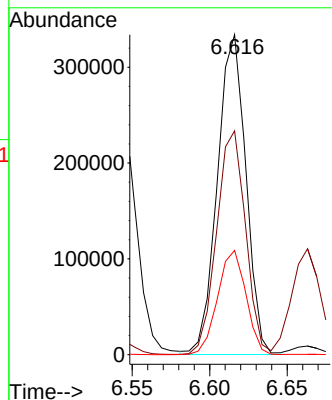
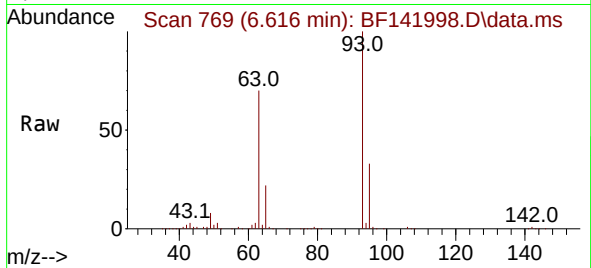




#11
bis(2-Chloroethyl)ether
Concen: 42.709 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

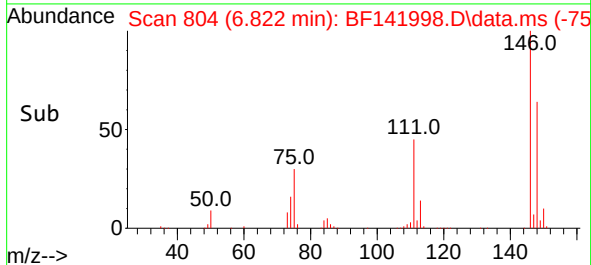
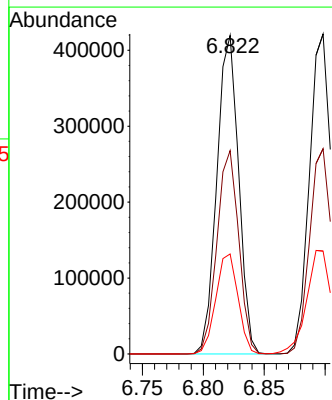
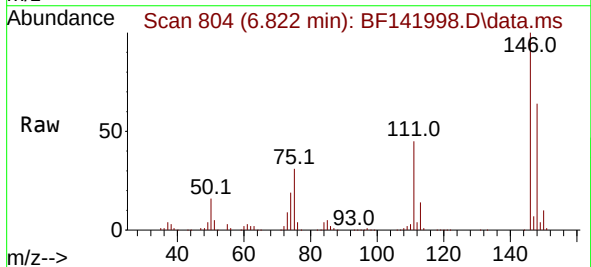
Instrument :
BNA_F
ClientSampleId :
PB167188BS

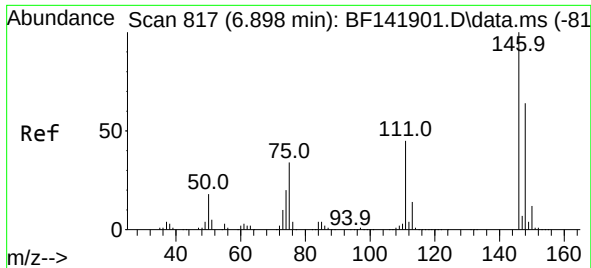
Tgt Ion: 93 Resp: 427547
Ion Ratio Lower Upper
93 100
63 69.9 53.0 93.0
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 43.862 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:146 Resp: 522728
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.4 26.6 40.0

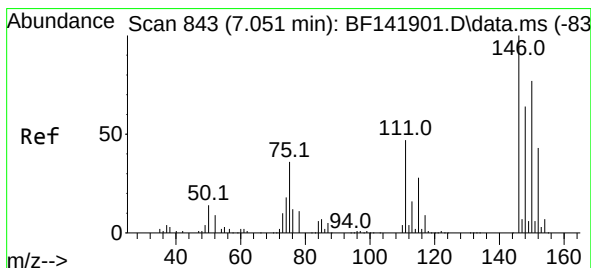
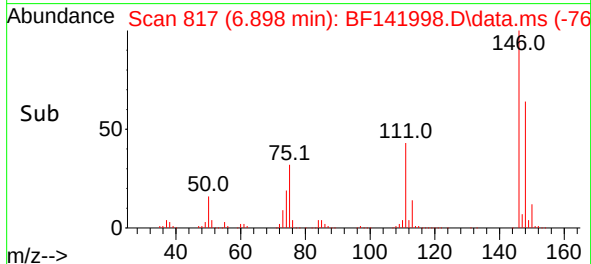
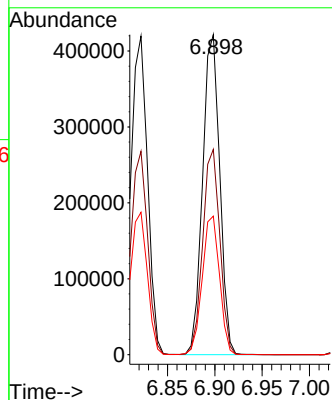
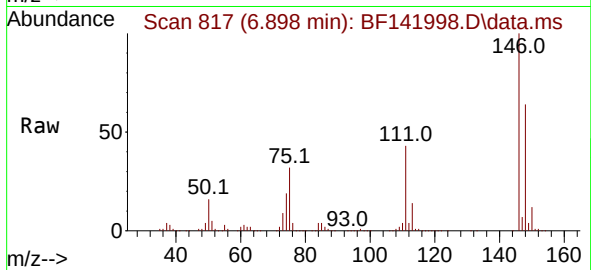




#13
 1,4-Dichlorobenzene
 Concen: 44.068 ng
 RT: 6.898 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

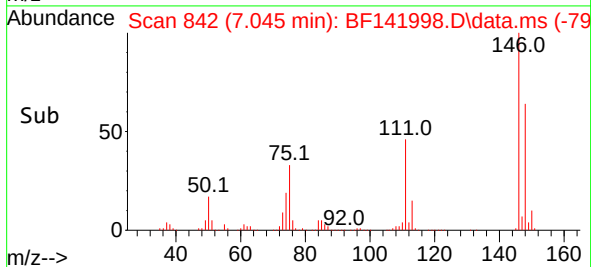
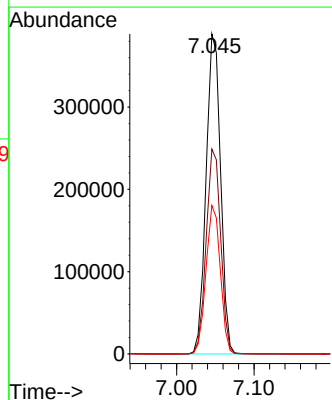
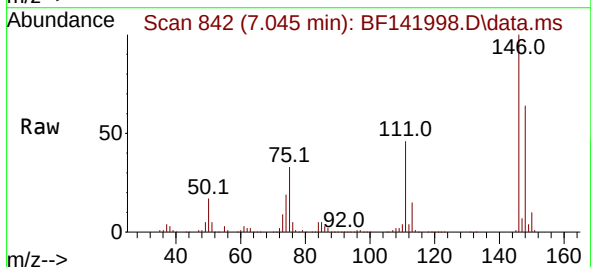
Instrument :
 BNA_F
 ClientSampleId :
 PB167188BS

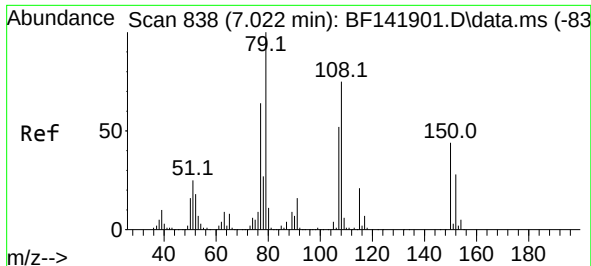
Tgt Ion:146 Resp: 531368
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.0 76.6
 111 43.3 35.7 53.5



#14
 1,2-Dichlorobenzene
 Concen: 44.430 ng
 RT: 7.045 min Scan# 842
 Delta R.T. -0.006 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

Tgt Ion:146 Resp: 504608
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.8 76.2
 111 46.4 38.0 57.0

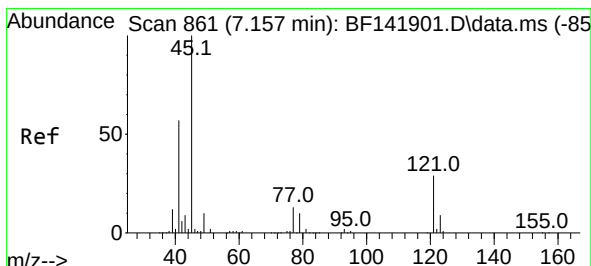
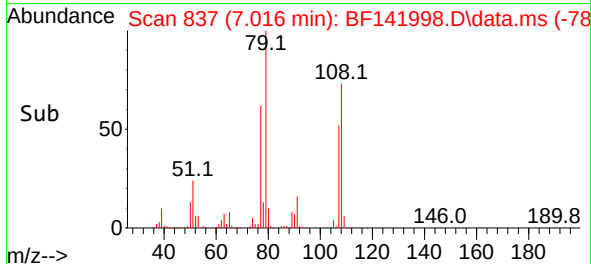
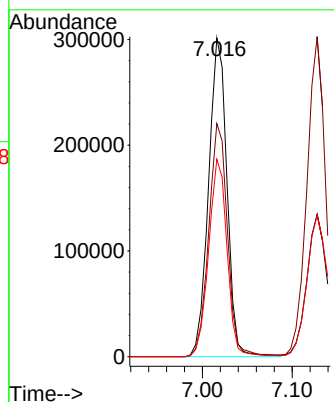
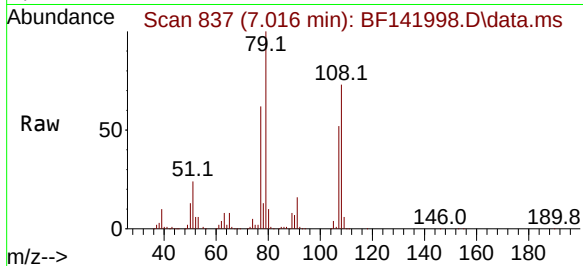




#15
Benzyl Alcohol
Concen: 41.883 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

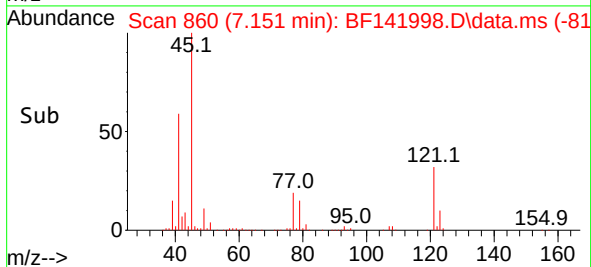
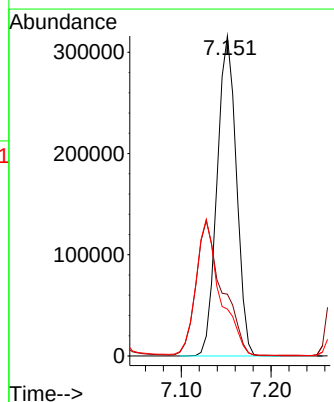
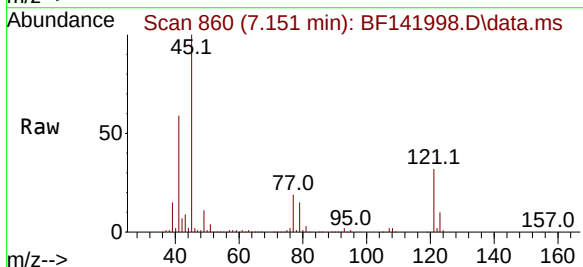
Instrument :
BNA_F
ClientSampleId :
PB167188BS

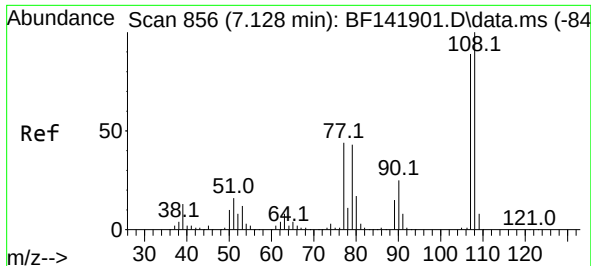
Tgt Ion: 79 Resp: 429090
Ion Ratio Lower Upper
79 100
108 73.1 59.7 89.5
77 62.0 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.032 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 45 Resp: 471727
Ion Ratio Lower Upper
45 100
77 19.3 0.0 37.8
79 14.6 0.0 34.2

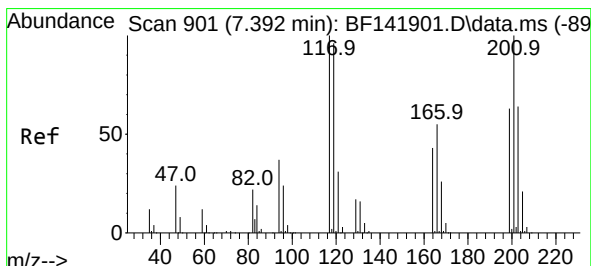
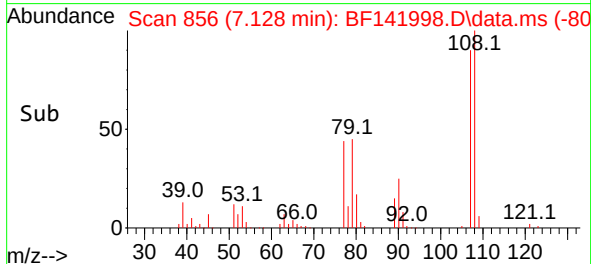
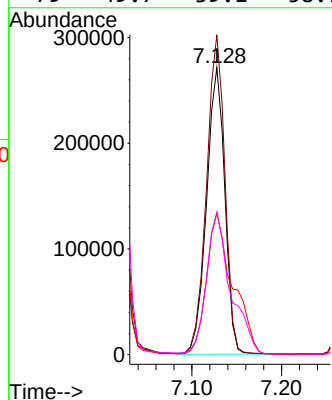
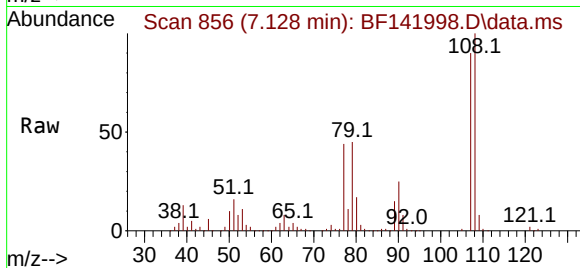




#17
2-Methylphenol
Concen: 43.734 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

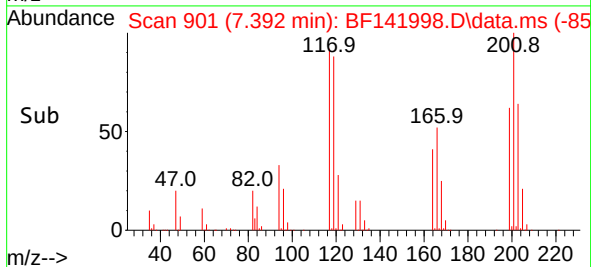
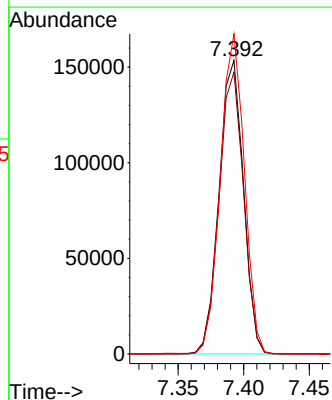
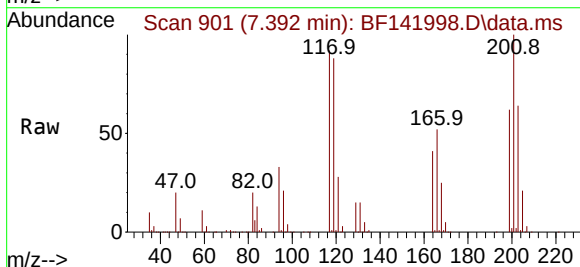
Instrument :
BNA_F
ClientSampleId :
PB167188BS

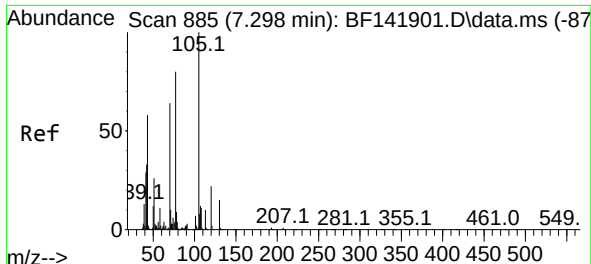
Tgt Ion:	107	Resp:	383854
Ion	Ratio	Lower	Upper
107	100		
108	111.5	90.2	135.2
77	49.2	39.6	59.4
79	49.7	39.1	58.7



#18
Hexachloroethane
Concen: 43.912 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:	117	Resp:	198555
Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.9	115.3
201	109.0	79.9	119.9

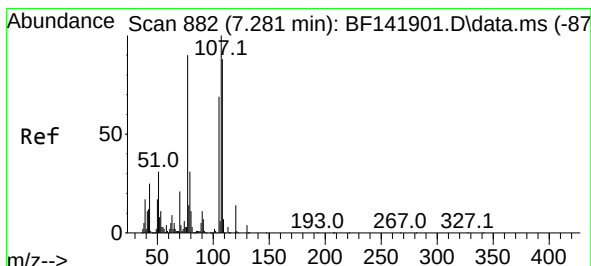
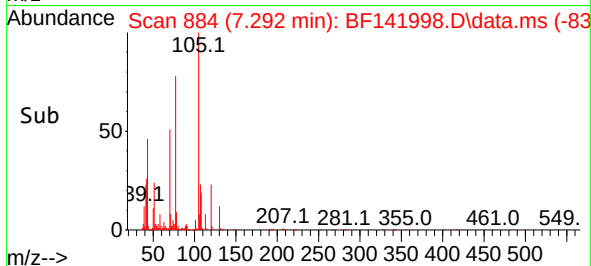
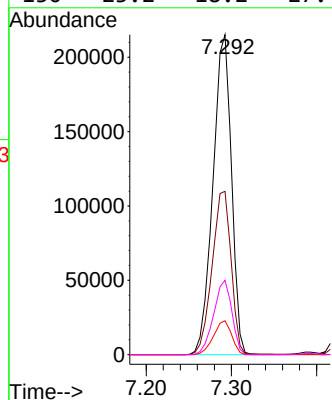
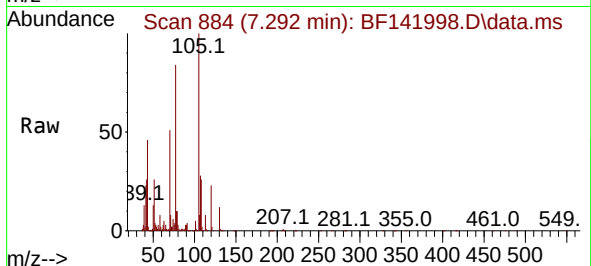




#19
n-Nitroso-di-n-propylamine
Concen: 40.041 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

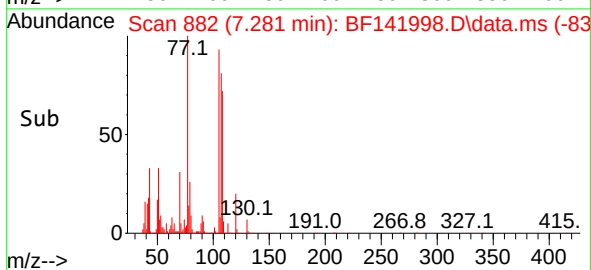
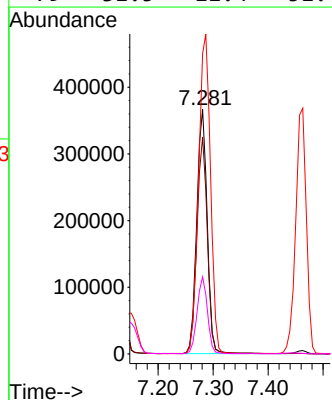
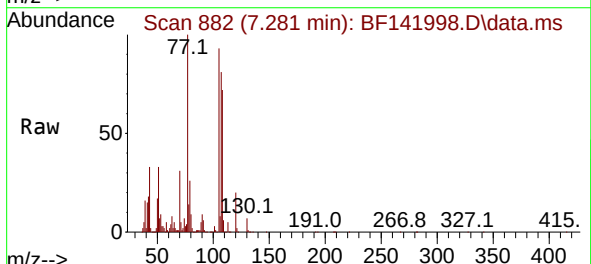
Instrument :
BNA_F
ClientSampleId :
PB167188BS

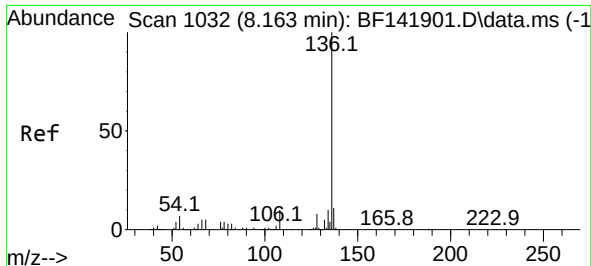
Tgt Ion: 70 Resp: 326043
Ion Ratio Lower Upper
70 100
42 51.0 41.4 62.0
101 10.6 8.2 12.2
130 23.2 18.2 27.4



#20
3+4-Methylphenols
Concen: 42.924 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 107 Resp: 482553
Ion Ratio Lower Upper
107 100
108 88.7 68.4 108.4
77 122.8 69.7 109.7#
79 31.5 11.4 51.4



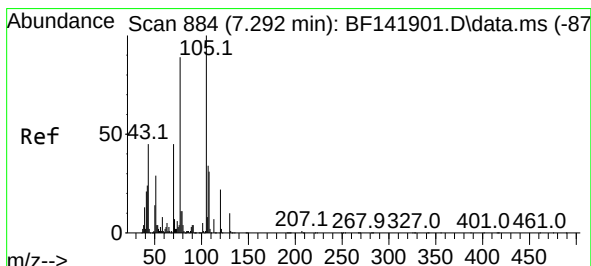
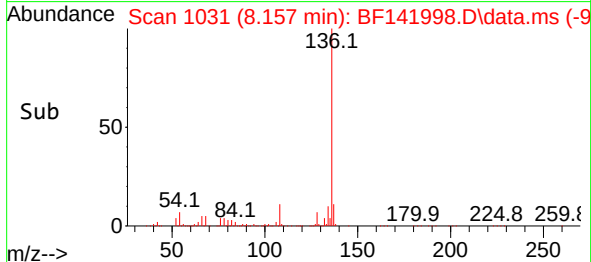
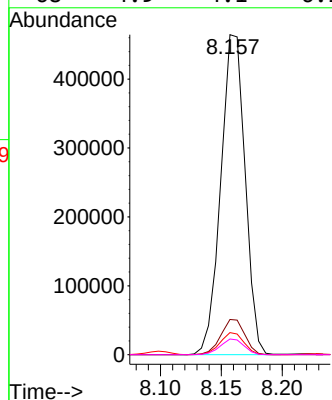
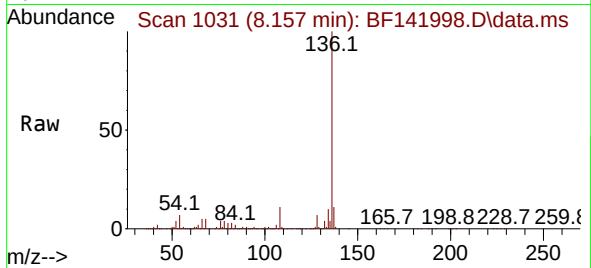


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Instrument :
BNA_F
ClientSampleId :
PB167188BS

Tgt Ion:136 Resp: 646752

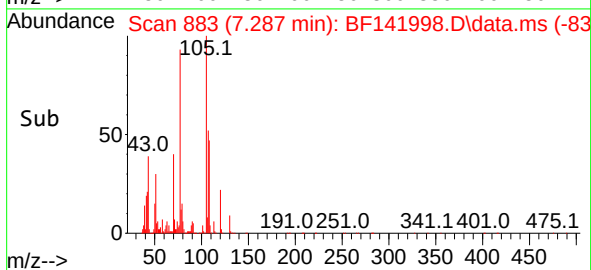
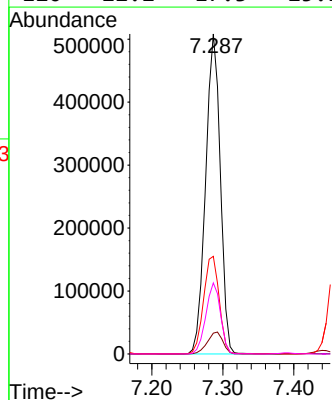
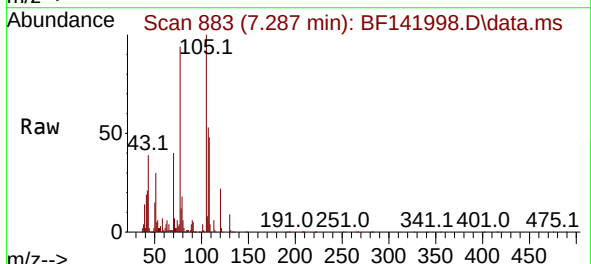
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.8	8.8
68	4.9	4.1	6.1

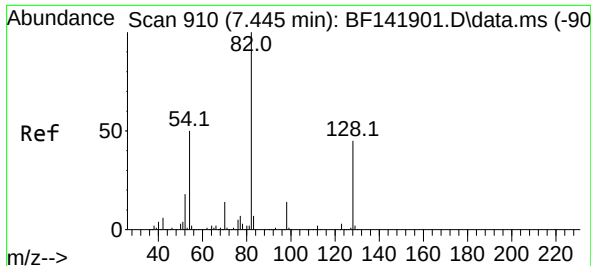


#22
Acetophenone
Concen: 47.299 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:105 Resp: 732579

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.8	8.8
51	30.5	23.4	35.0
120	22.2	17.3	25.9

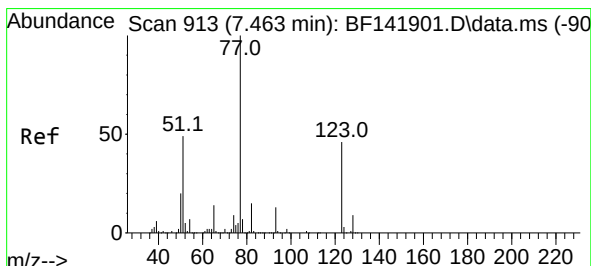
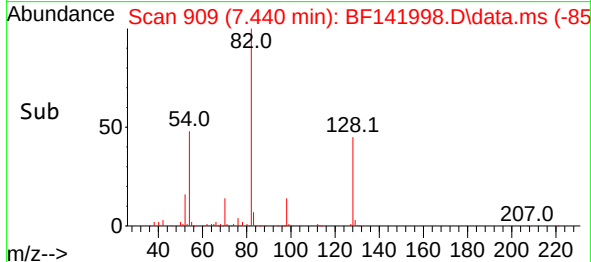
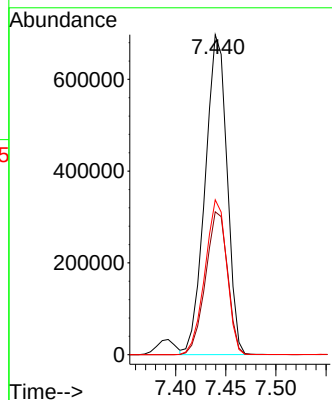
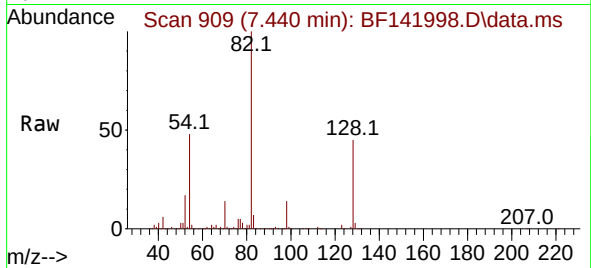




#23
Nitrobenzene-d5
Concen: 92.354 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

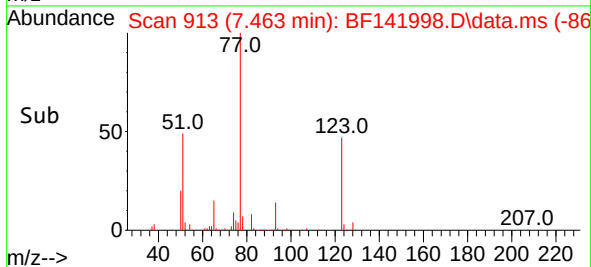
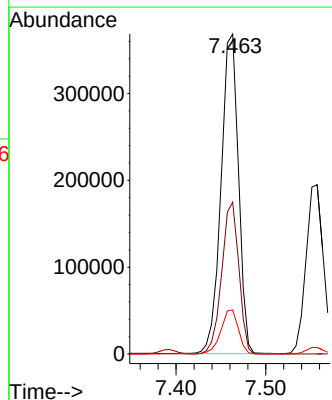
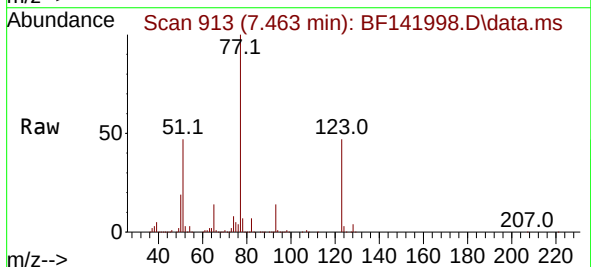
Instrument :
BNA_F
ClientSampleId :
PB167188BS

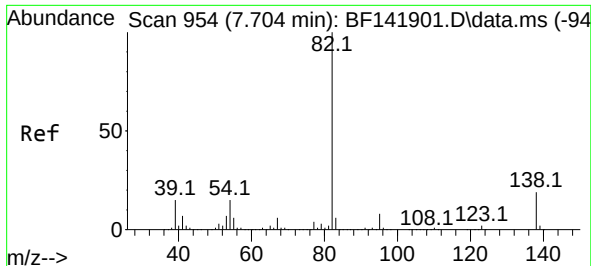
Tgt Ion: 82 Resp: 1061379
Ion Ratio Lower Upper
82 100
128 44.6 36.0 54.0
54 48.4 39.6 59.4



#24
Nitrobenzene
Concen: 43.503 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 77 Resp: 497021
Ion Ratio Lower Upper
77 100
123 47.4 37.0 55.4
65 13.8 11.3 16.9

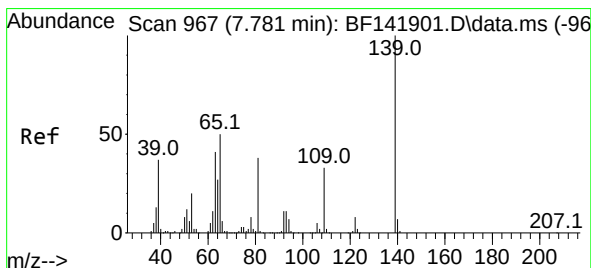
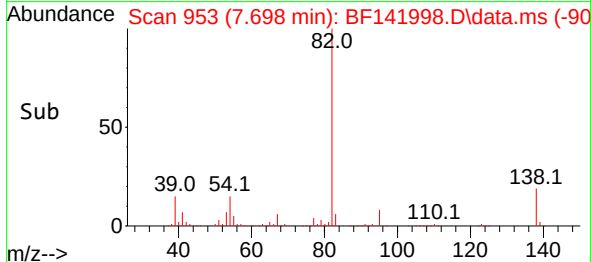
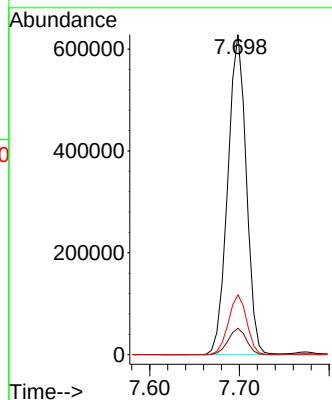
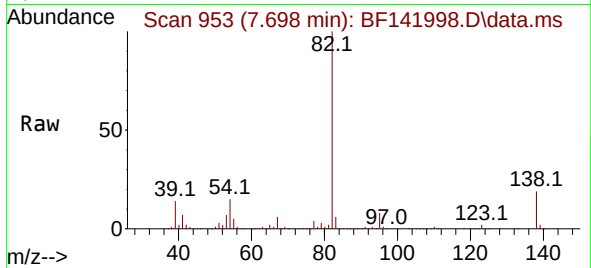




#25
Isophorone
Concen: 44.273 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

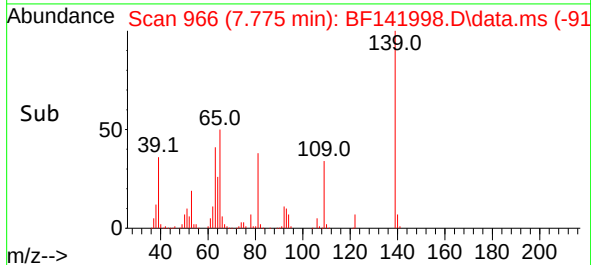
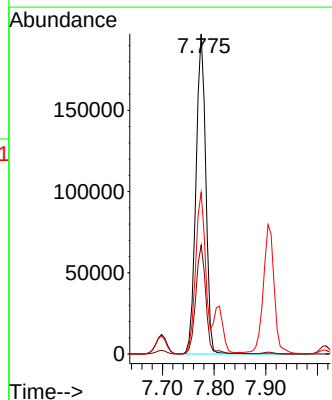
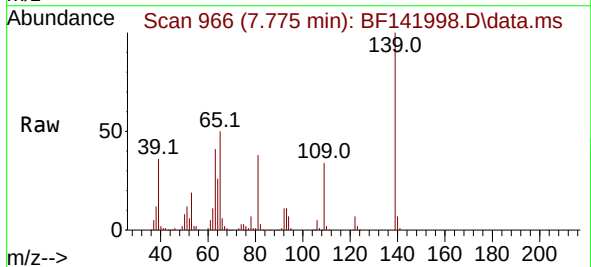
Instrument :
BNA_F
ClientSampleId :
PB167188BS

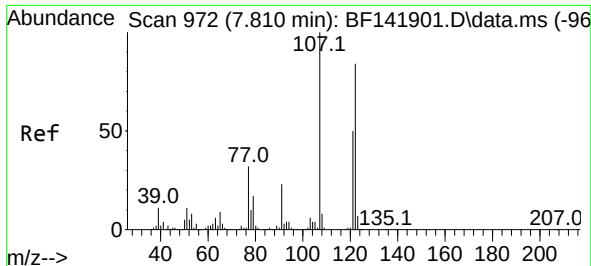
Tgt Ion: 82 Resp: 899397
Ion Ratio Lower Upper
82 100
95 8.3 6.4 9.6
138 18.7 14.9 22.3



#26
2-Nitrophenol
Concen: 46.389 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 139 Resp: 260119
Ion Ratio Lower Upper
139 100
109 34.0 26.5 39.7
65 50.4 40.3 60.5

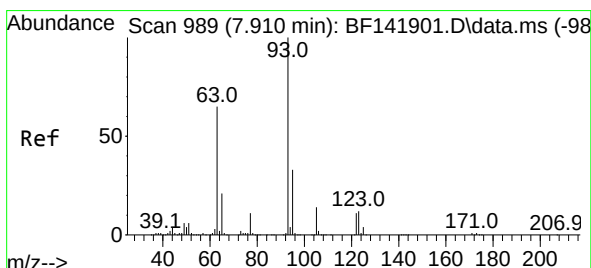
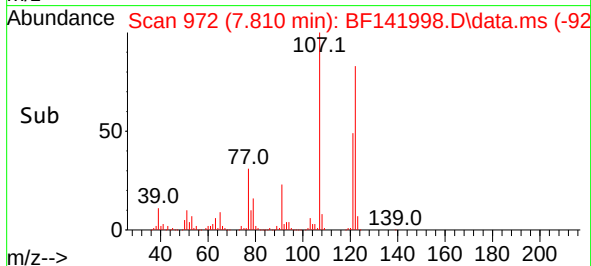
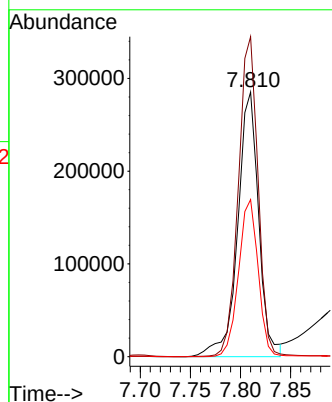
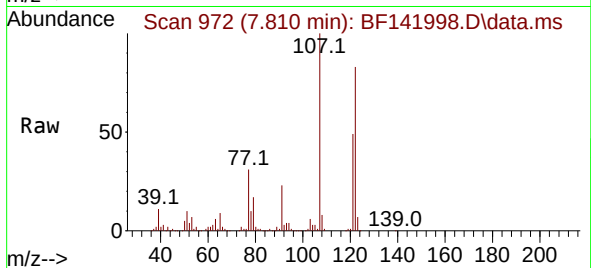




#27
2,4-Dimethylphenol
Concen: 53.847 ng
RT: 7.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

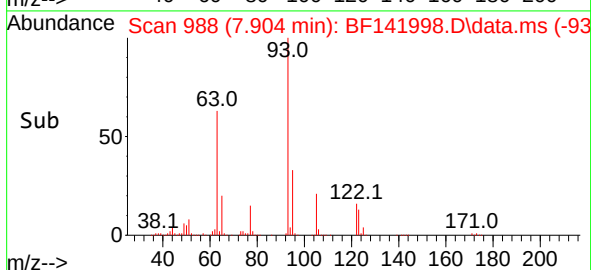
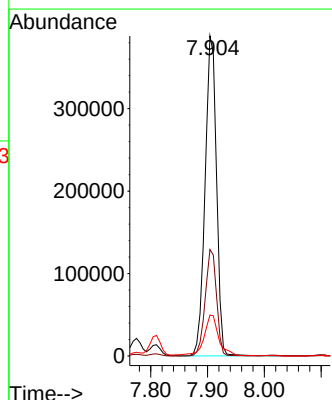
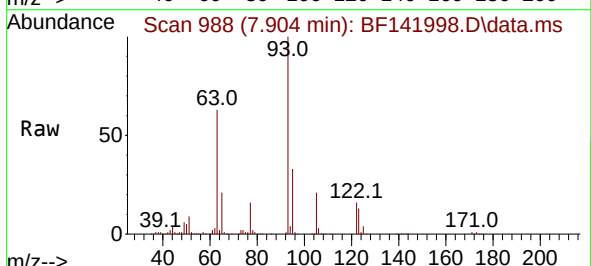
Instrument :
BNA_F
ClientSampleId :
PB167188BS

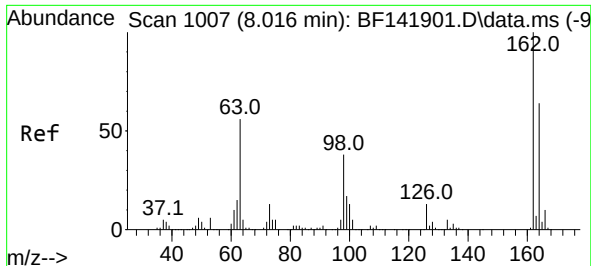
Tgt Ion:122 Resp: 415756
Ion Ratio Lower Upper
122 100
107 120.9 94.8 142.2
121 59.4 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 42.404 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 93 Resp: 540295
Ion Ratio Lower Upper
93 100
95 33.3 26.6 40.0
123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 43.790 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

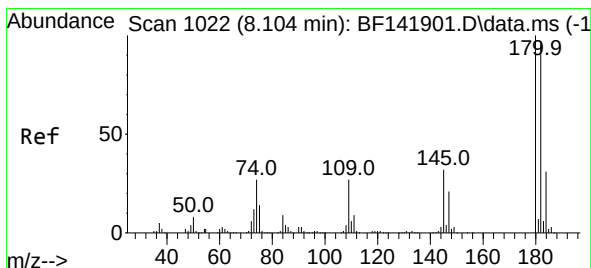
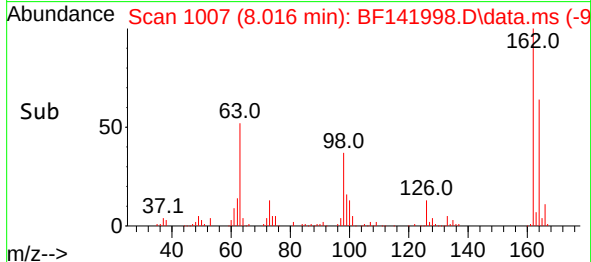
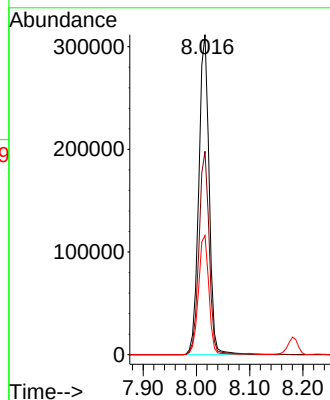
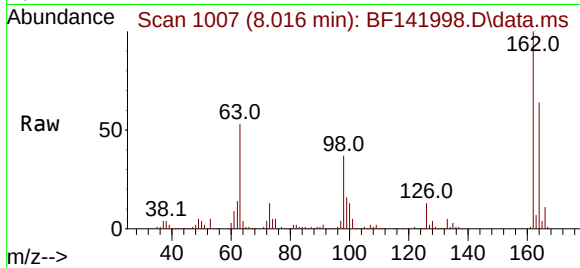
Tgt Ion:162 Resp: 419670

Ion Ratio Lower Upper

162 100

164 63.6 43.8 83.8

98 37.3 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 43.856 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

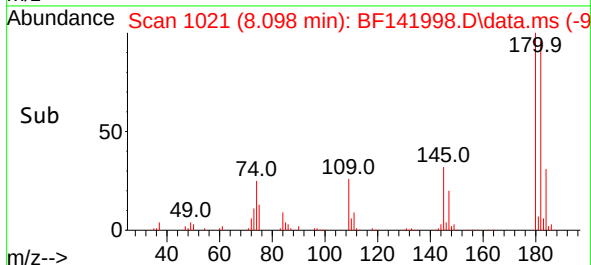
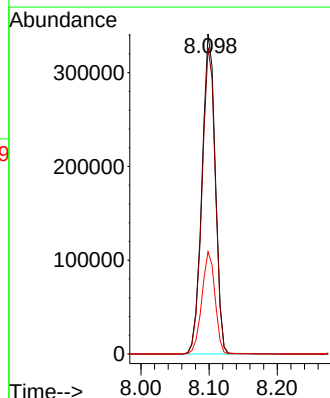
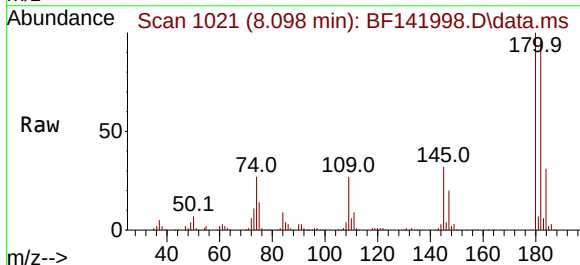
Tgt Ion:180 Resp: 463186

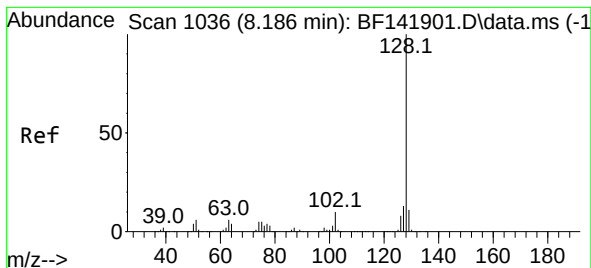
Ion Ratio Lower Upper

180 100

182 95.8 77.5 116.3

145 32.0 25.8 38.6





#31

Naphthalene

Concen: 42.597 ng

RT: 8.181 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

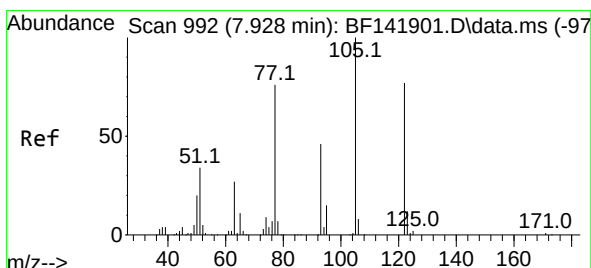
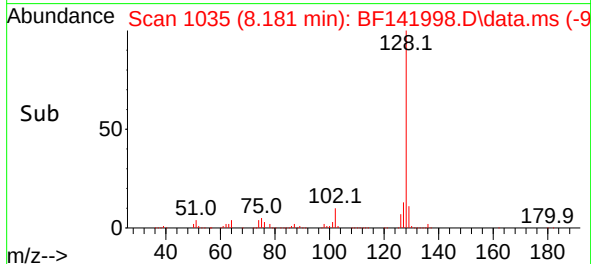
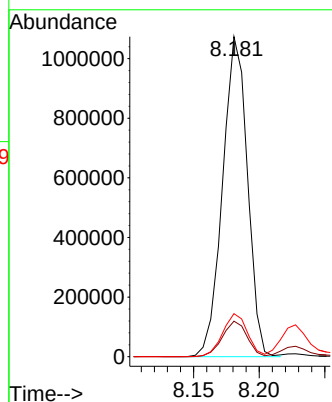
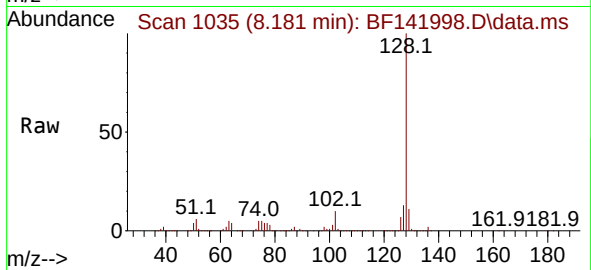
Tgt Ion:128 Resp: 1415199

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 49.522 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

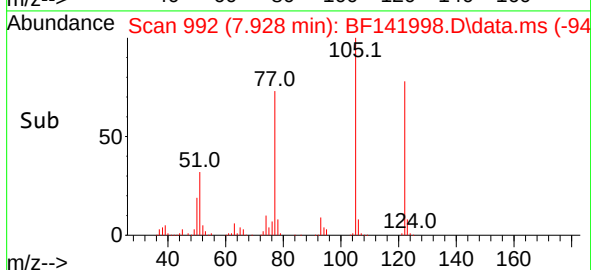
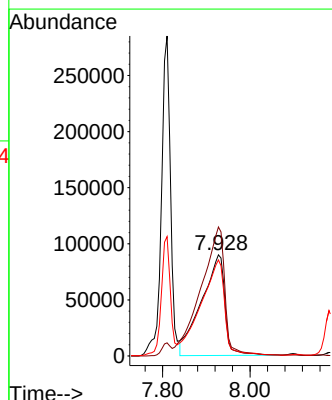
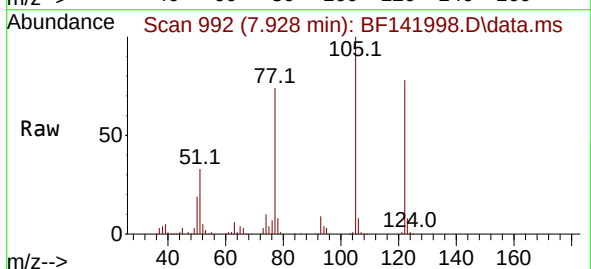
Tgt Ion:122 Resp: 336114

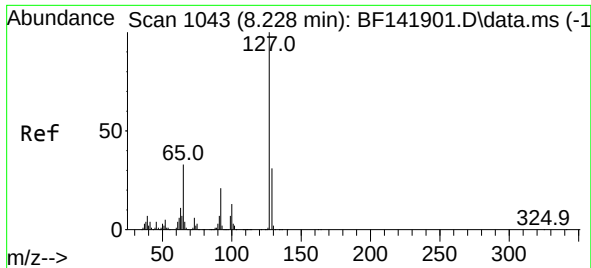
Ion Ratio Lower Upper

122 100

105 127.5 107.9 147.9

77 94.9 79.0 119.0

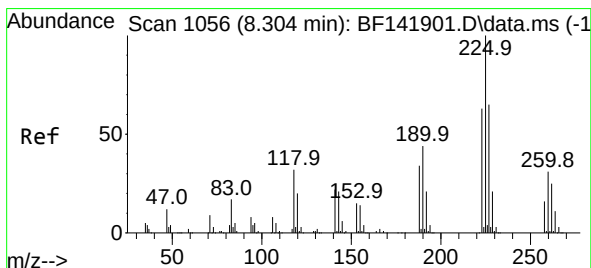
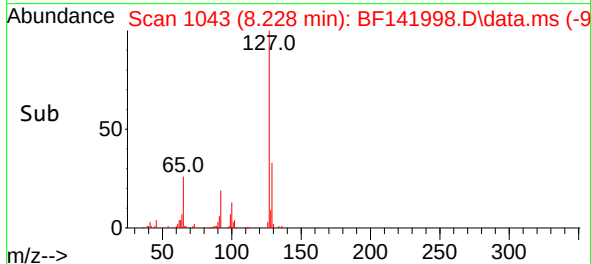
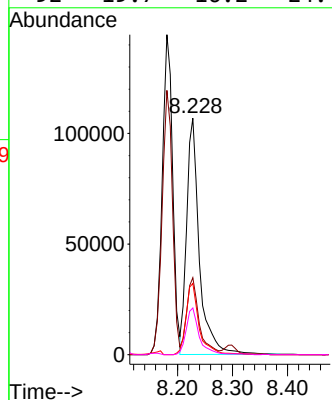
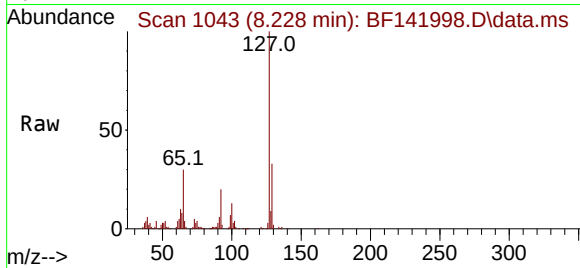




#33
4-Chloroaniline
Concen: 14.666 ng
RT: 8.228 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

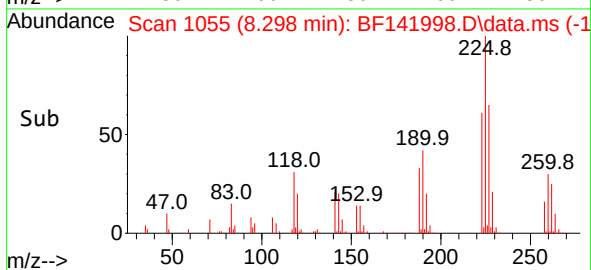
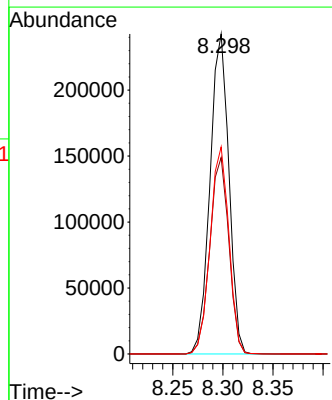
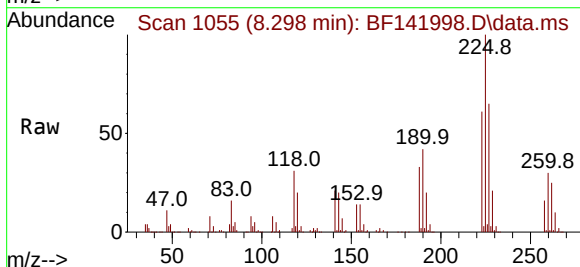
Instrument :
BNA_F
ClientSampleId :
PB167188BS

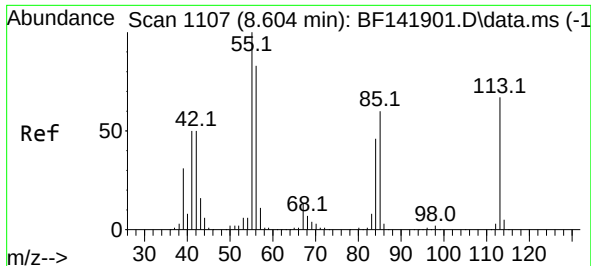
Tgt Ion:	127	Resp:	172000
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	30.1	25.4	38.2
92	19.7	16.2	24.4



#34
Hexachlorobutadiene
Concen: 46.066 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:	225	Resp:	317291
Ion	Ratio	Lower	Upper
225	100		
223	61.4	50.6	75.8
227	64.7	52.2	78.2

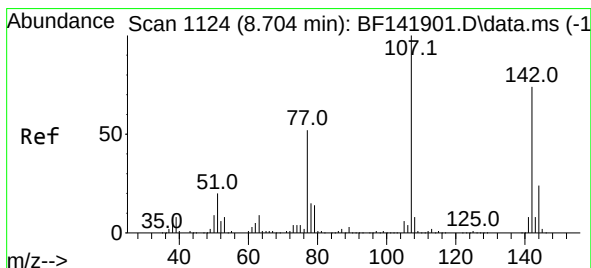
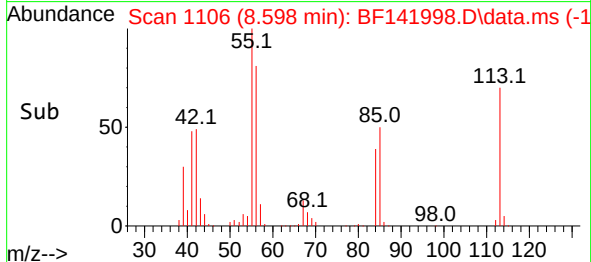
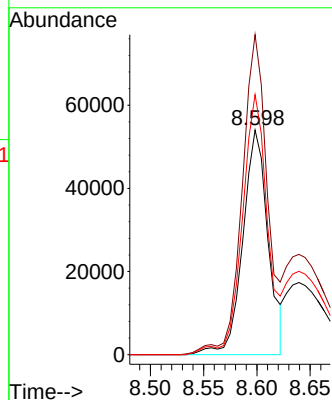
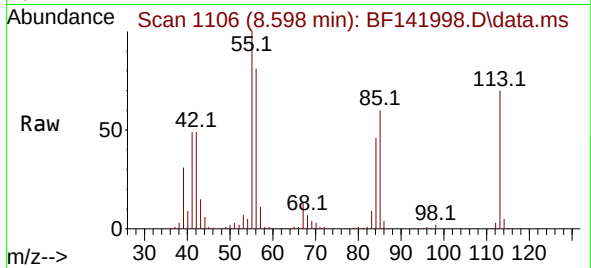




#35
 Caprolactam
 Concen: 30.423 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.006 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

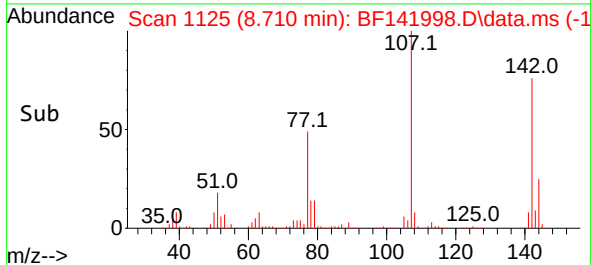
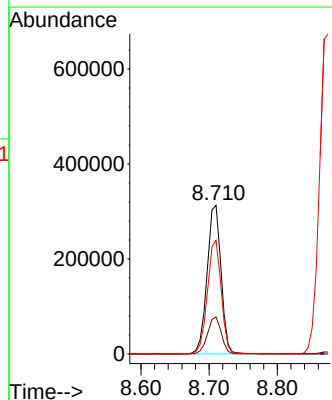
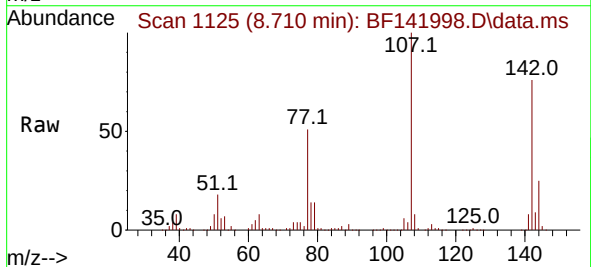
Instrument :
 BNA_F
 ClientSampleId :
 PB167188BS

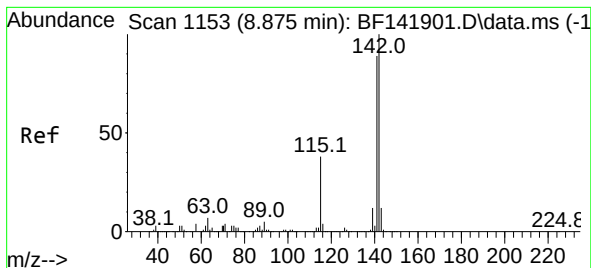
Tgt Ion:113 Resp: 88892
 Ion Ratio Lower Upper
 113 100
 55 142.5 129.6 169.6
 56 115.8 104.0 144.0



#36
 4-Chloro-3-methylphenol
 Concen: 41.959 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

Tgt Ion:107 Resp: 448569
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.0 28.6
 142 76.4 59.2 88.8





#37

2-Methylnaphthalene

Concen: 41.250 ng

RT: 8.875 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

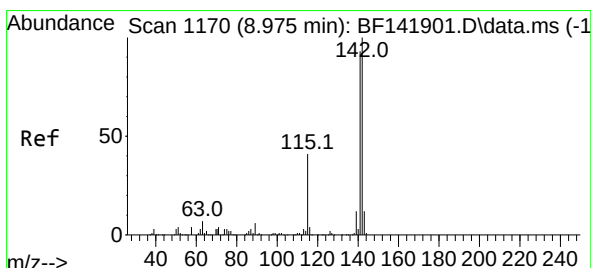
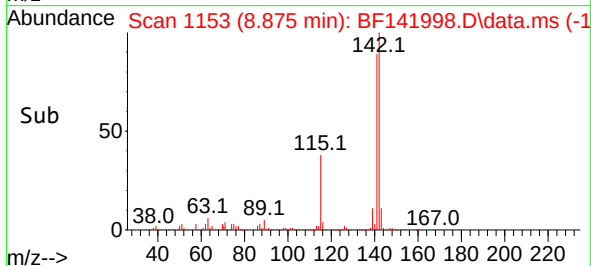
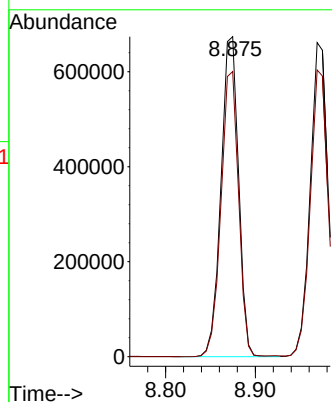
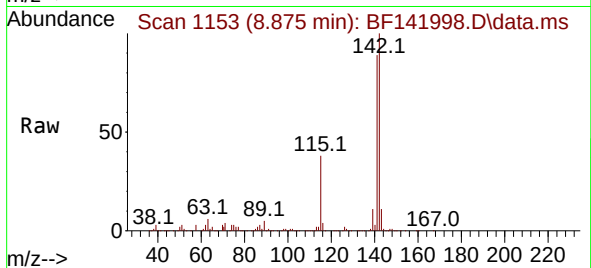
PB167188BS

Tgt Ion:142 Resp: 916020

Ion Ratio Lower Upper

142 100

141 89.1 71.2 106.8



#38

1-Methylnaphthalene

Concen: 41.730 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141998.D

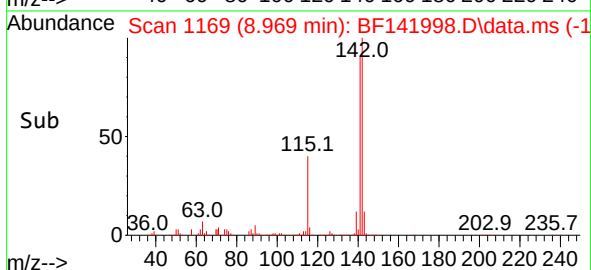
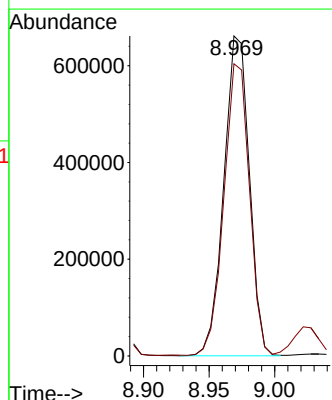
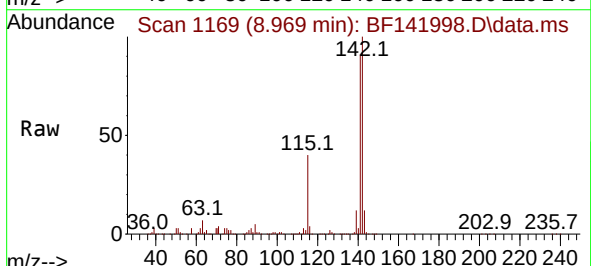
Acq: 19 Mar 2025 11:13

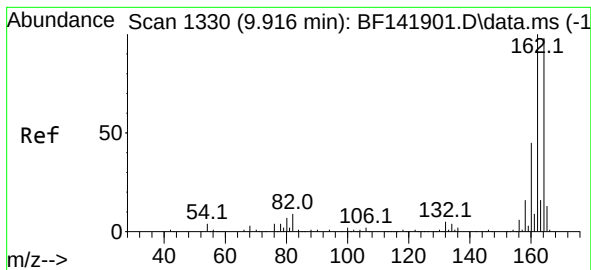
Tgt Ion:142 Resp: 894216

Ion Ratio Lower Upper

142 100

141 91.3 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

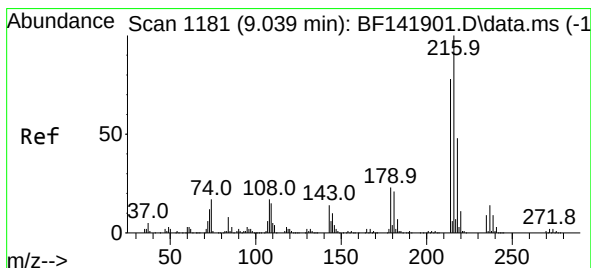
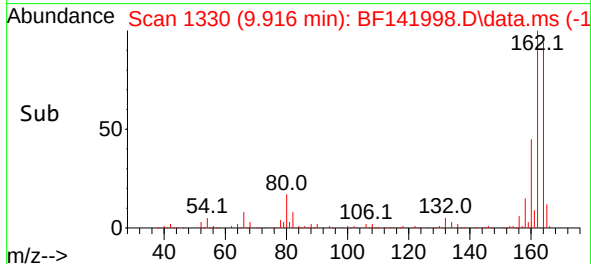
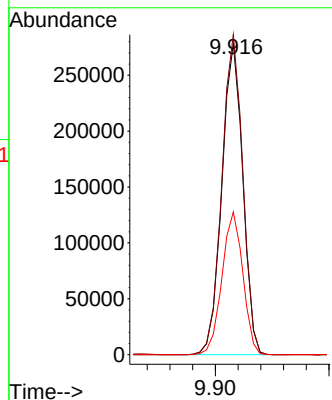
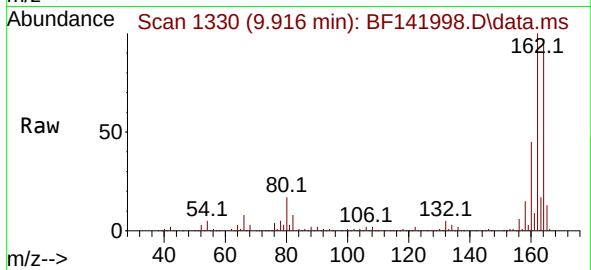
Tgt Ion:164 Resp: 355612

Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.6

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.486 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Tgt Ion:216 Resp: 546609

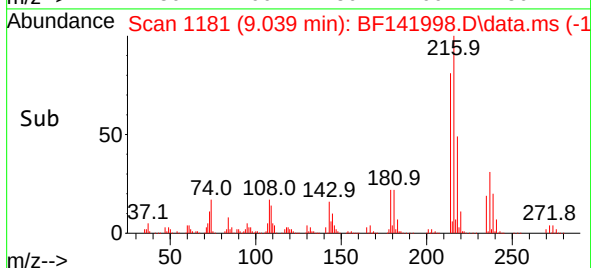
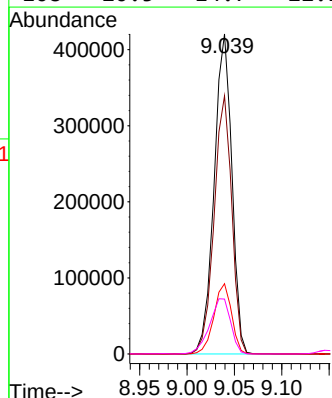
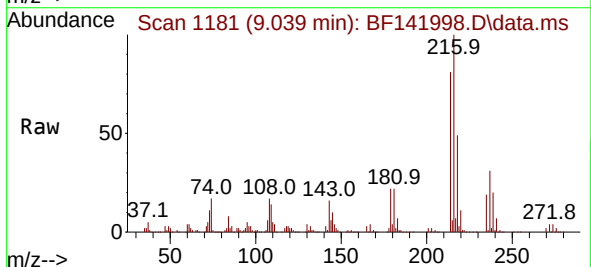
Ion Ratio Lower Upper

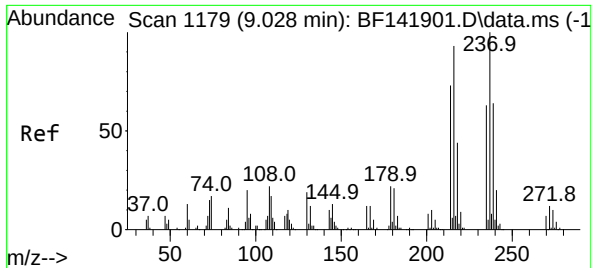
216 100

214 80.3 61.9 92.9

179 21.9 18.1 27.1

108 20.5 14.7 22.1

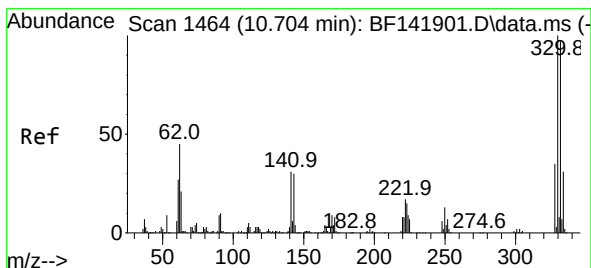
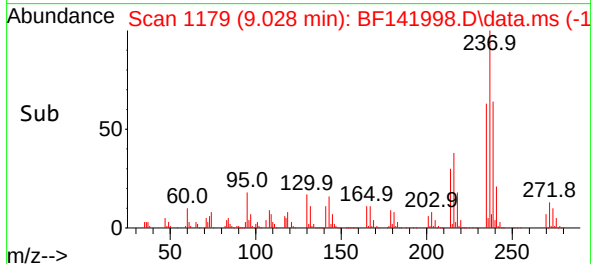
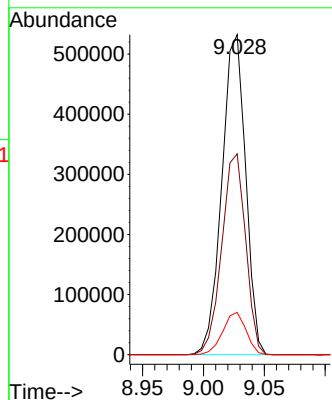
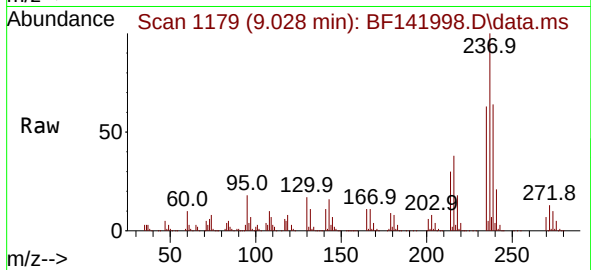




#41
Hexachlorocyclopentadiene
Concen: 170.919 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

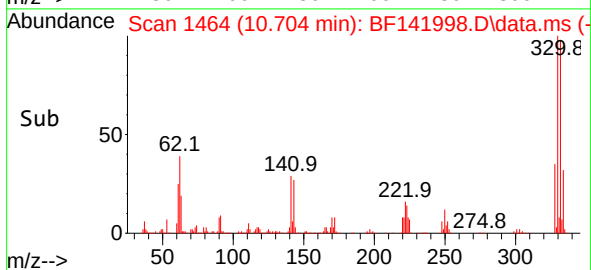
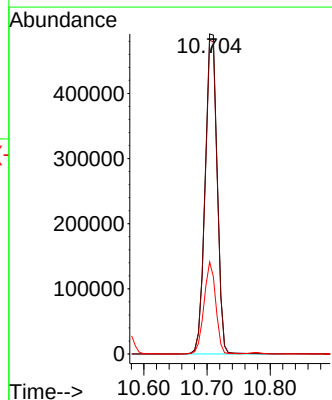
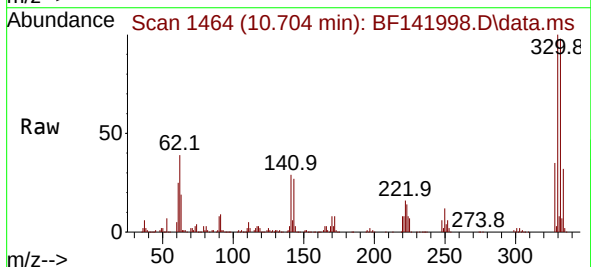
Instrument :
BNA_F
ClientSampleId :
PB167188BS

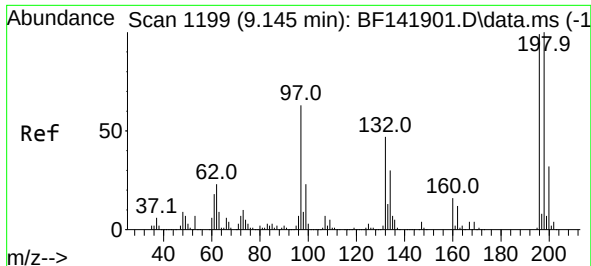
Tgt Ion:237 Resp: 724223
Ion Ratio Lower Upper
237 100
235 62.8 43.1 83.1
272 13.2 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 144.749 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:330 Resp: 653021
Ion Ratio Lower Upper
330 100
332 97.9 77.6 116.4
141 27.9 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 45.611 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

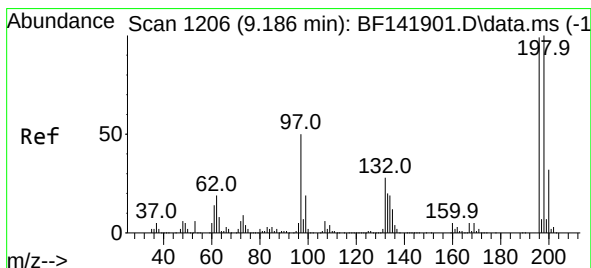
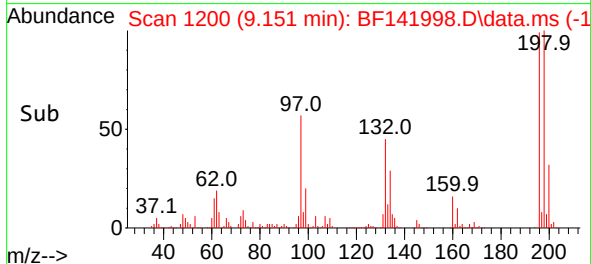
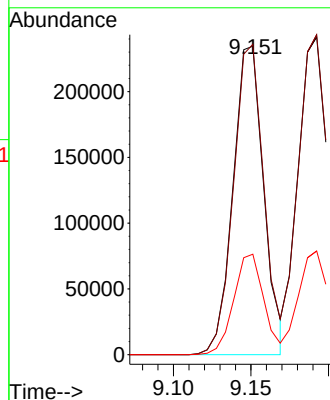
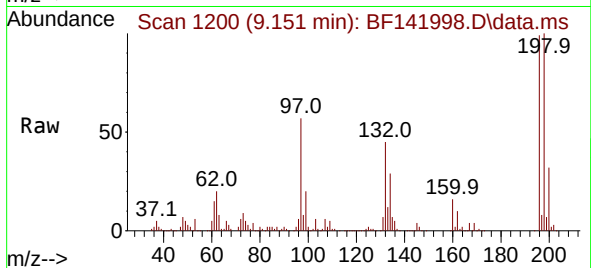
Tgt Ion:196 Resp: 322737

Ion Ratio Lower Upper

196 100

198 100.6 80.6 121.0

200 32.6 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 45.937 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Tgt Ion:196 Resp: 329207

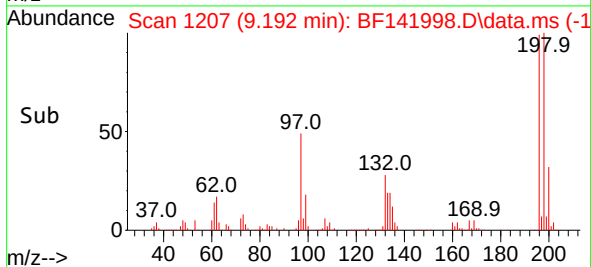
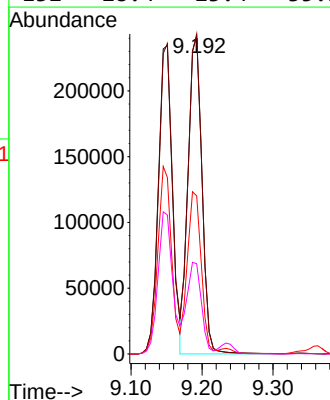
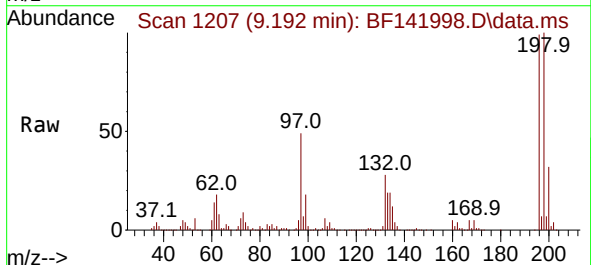
Ion Ratio Lower Upper

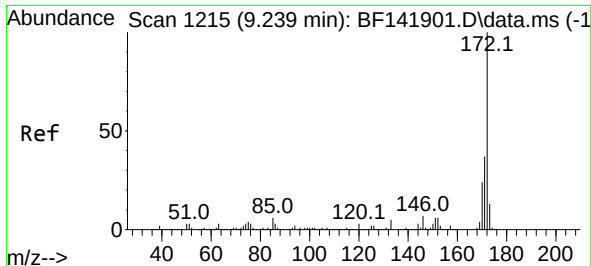
196 100

198 100.7 80.7 121.1

97 49.7 42.1 63.1

132 28.4 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 95.035 ng

RT: 9.234 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

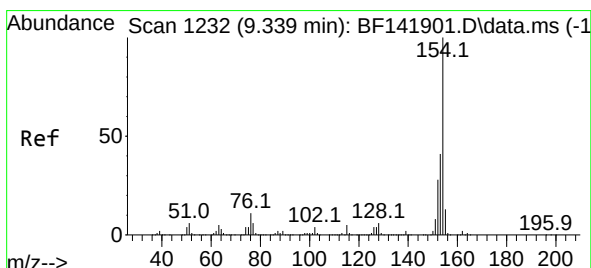
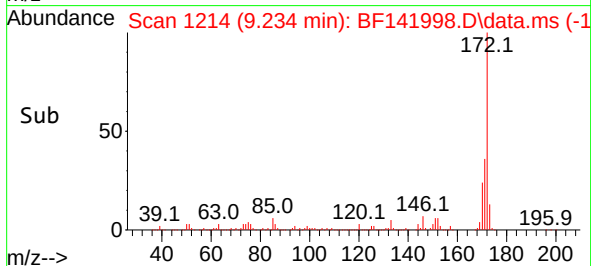
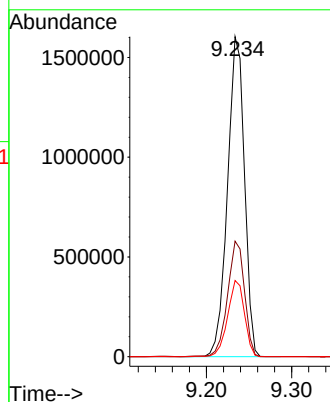
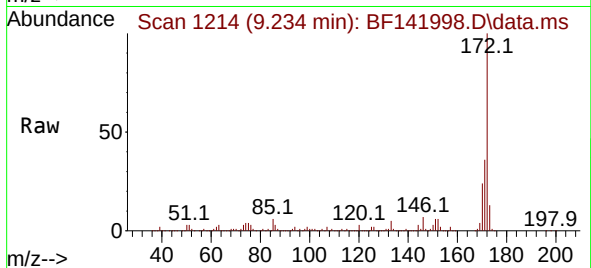
Tgt Ion:172 Resp: 2222214

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 23.8 19.4 29.0



#46

1,1'-Biphenyl

Concen: 49.146 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

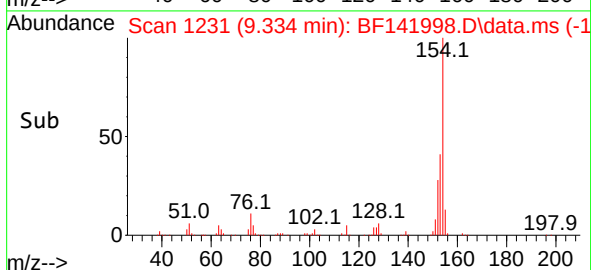
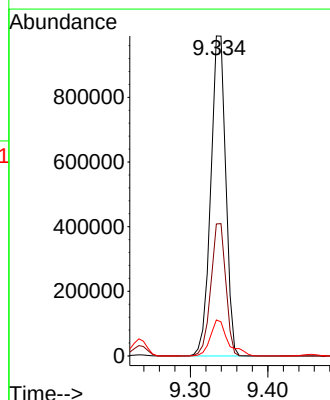
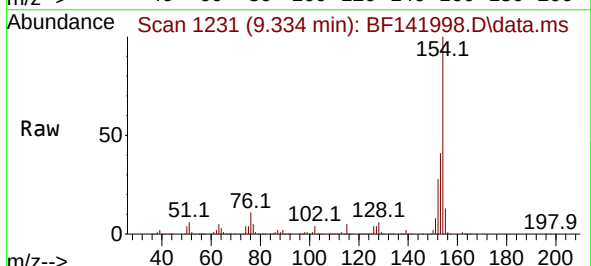
Tgt Ion:154 Resp: 1327916

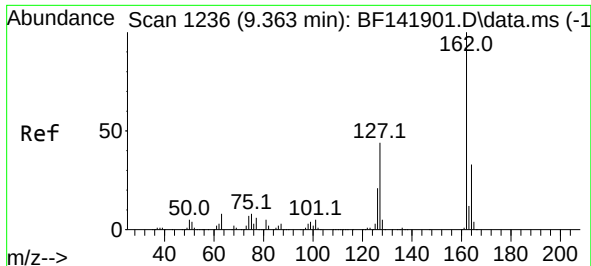
Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 11.2 0.0 31.3

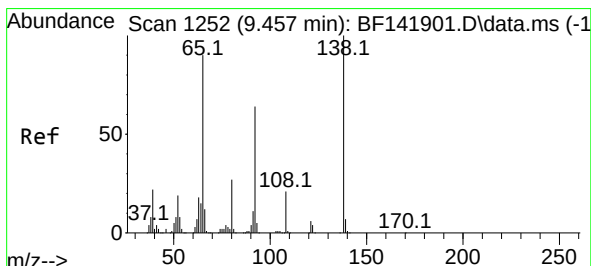
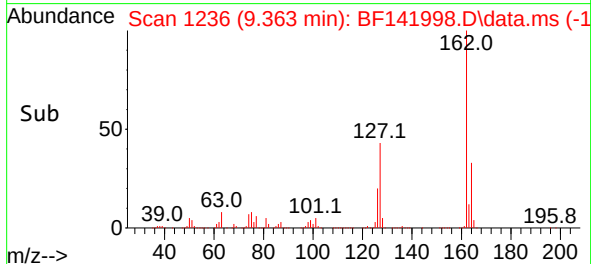
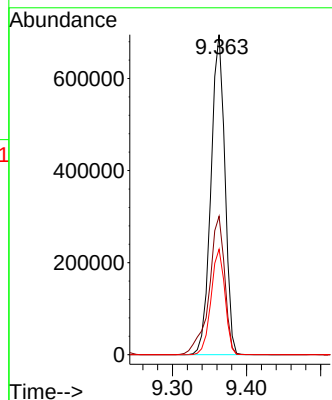
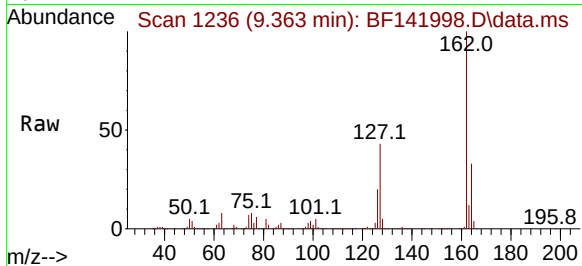




#47
2-Chloronaphthalene
Concen: 45.129 ng
RT: 9.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

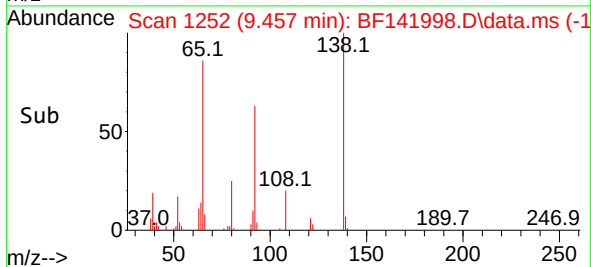
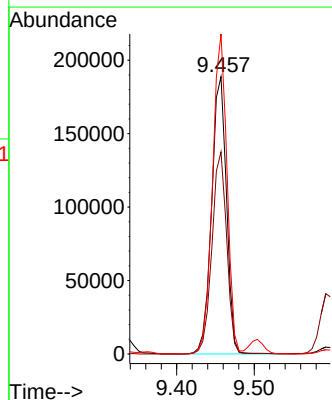
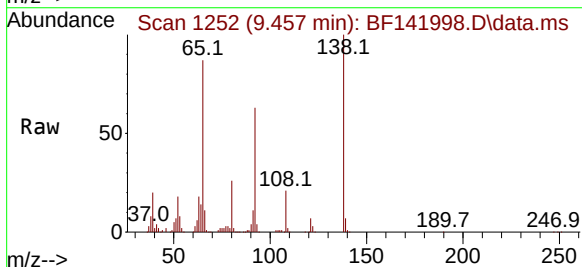
Instrument :
BNA_F
ClientSampleId :
PB167188BS

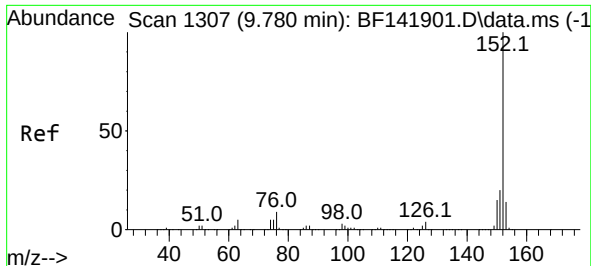
Tgt Ion:162 Resp: 908865
Ion Ratio Lower Upper
162 100
127 43.3 35.5 53.3
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 43.160 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion: 65 Resp: 251675
Ion Ratio Lower Upper
65 100
92 72.8 56.6 84.8
138 115.4 88.6 133.0

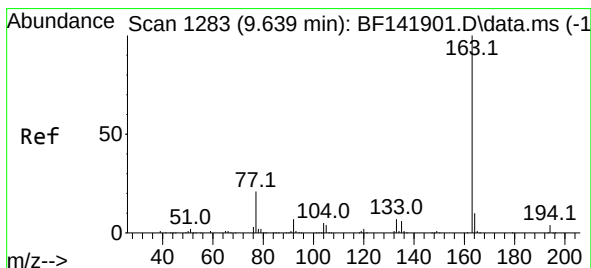
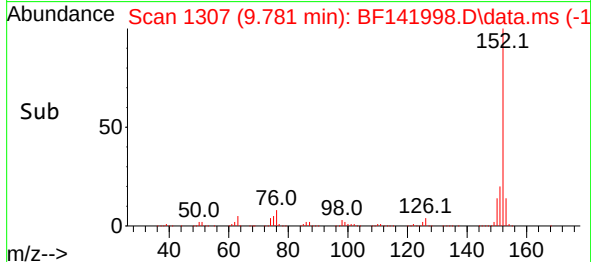
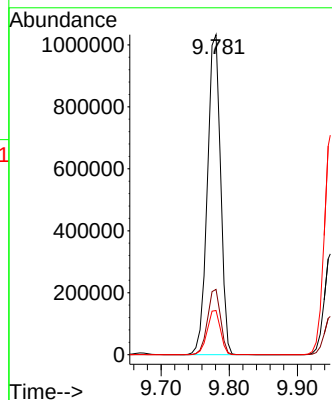
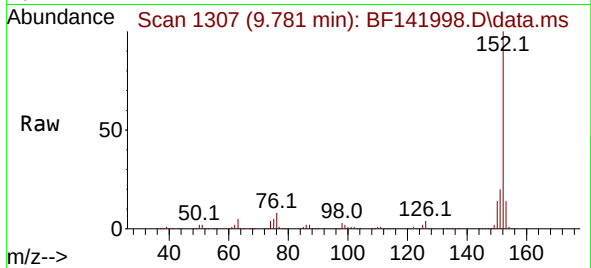




#49
Acenaphthylene
Concen: 46.433 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

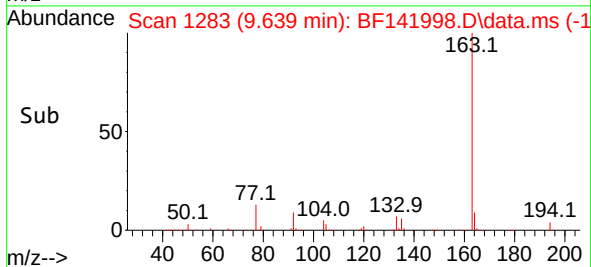
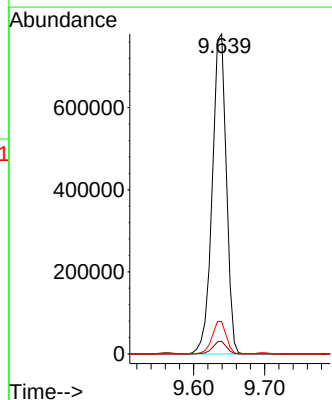
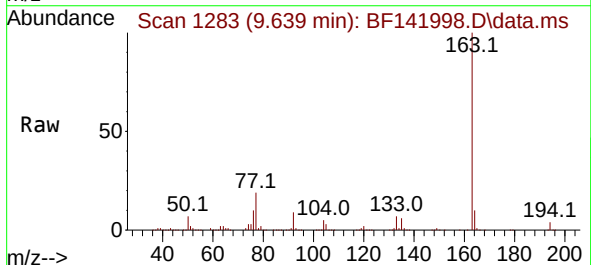
Instrument :
BNA_F
ClientSampleId :
PB167188BS

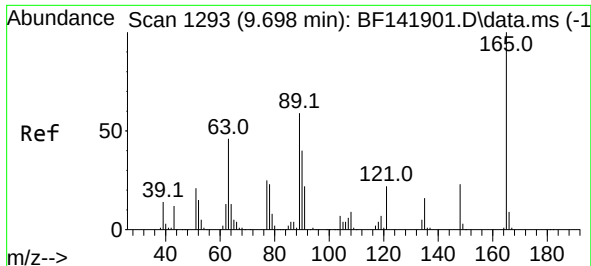
Tgt Ion:152 Resp: 1387681
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 13.8 11.1 16.7



#50
Dimethylphthalate
Concen: 43.200 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:163 Resp: 1075797
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.1 8.2 12.4

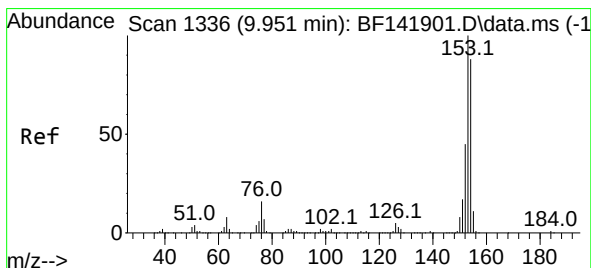
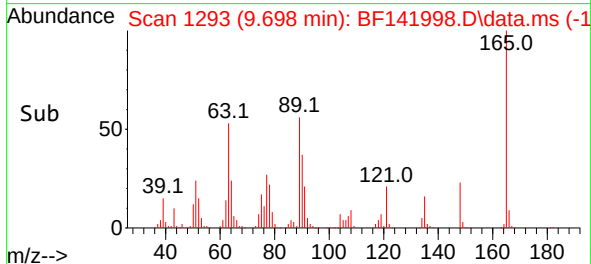
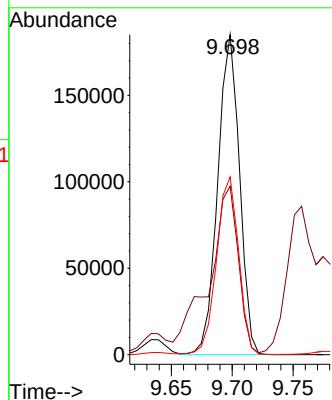
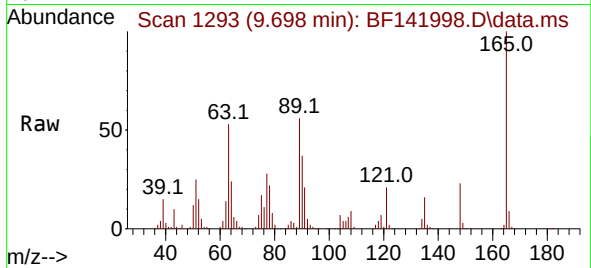




#51
2,6-Dinitrotoluene
Concen: 44.385 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

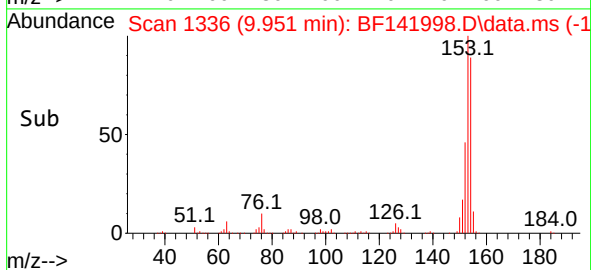
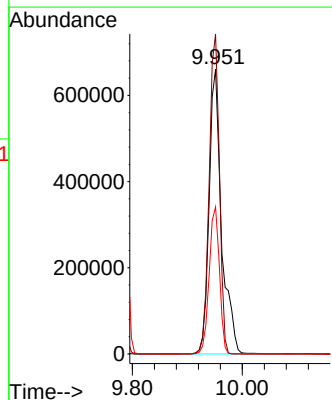
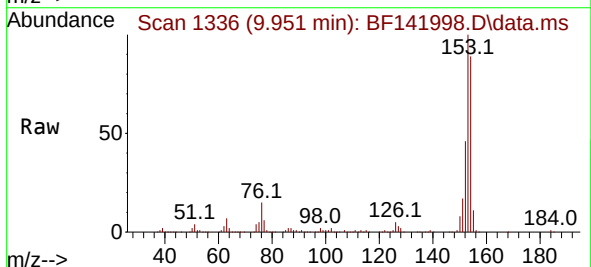
Instrument :
BNA_F
ClientSampleId :
PB167188BS

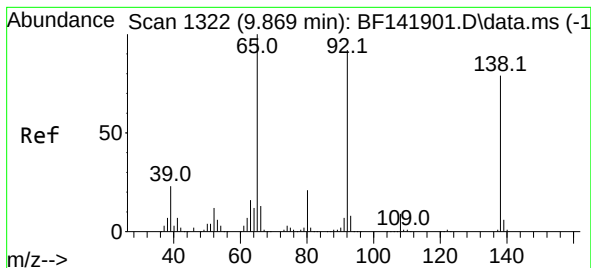
Tgt Ion:165 Resp: 230136
Ion Ratio Lower Upper
165 100
63 52.6 47.0 70.4
89 55.6 47.4 71.2



#52
Acenaphthene
Concen: 49.427 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:154 Resp: 1038096
Ion Ratio Lower Upper
154 100
153 112.4 90.7 136.1
152 51.7 41.1 61.7





#53

3-Nitroaniline

Concen: 22.702 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

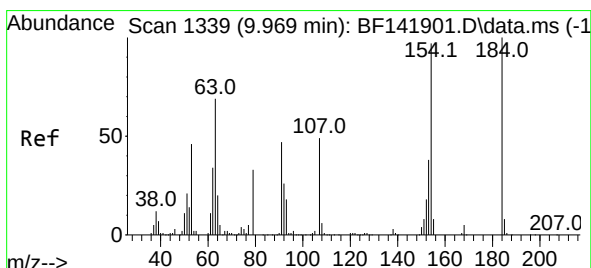
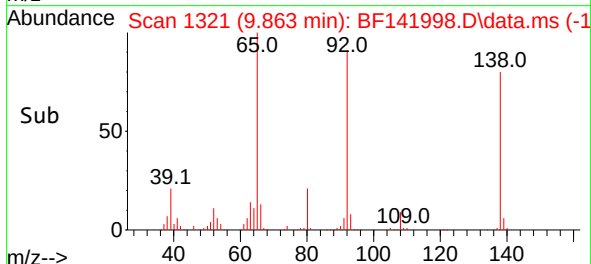
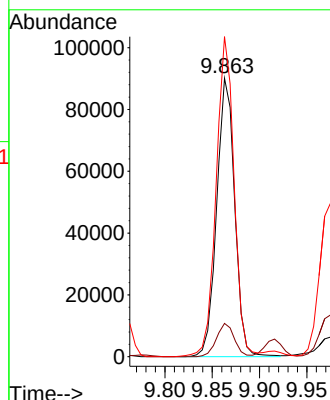
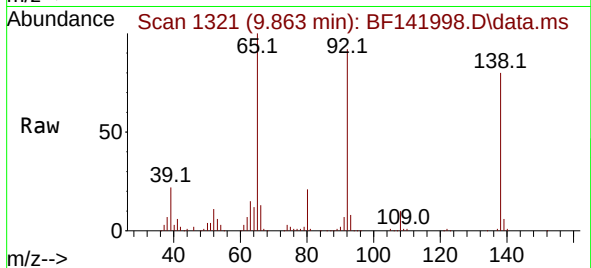
Tgt Ion:138 Resp: 119398

Ion Ratio Lower Upper

138 100

108 12.0 9.3 13.9

92 114.9 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 91.207 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

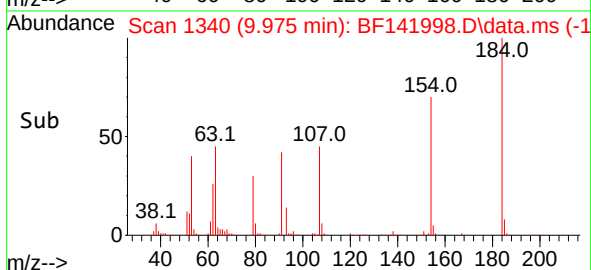
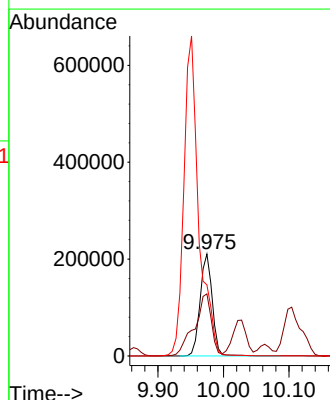
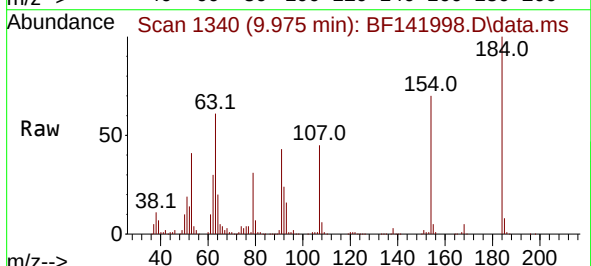
Tgt Ion:184 Resp: 271649

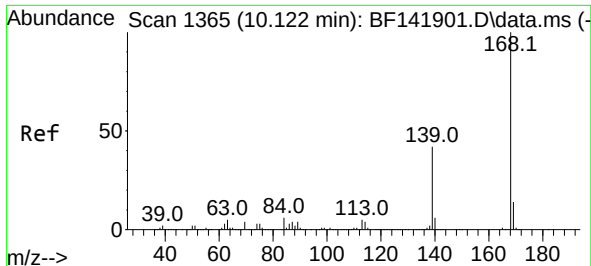
Ion Ratio Lower Upper

184 100

63 60.9 60.2 90.4

154 69.8 132.9 199.3#

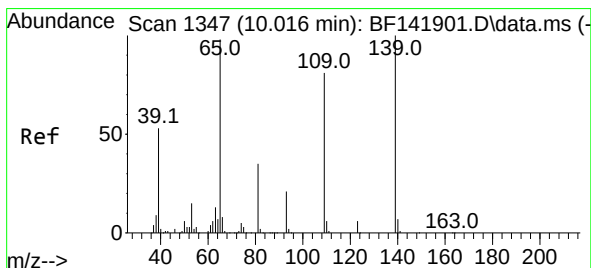
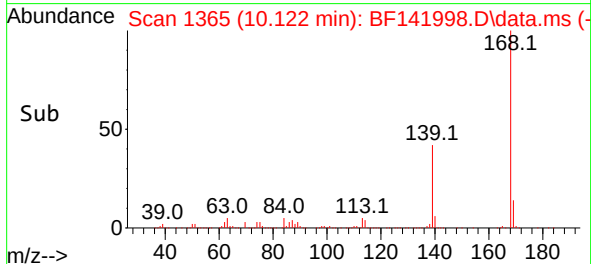
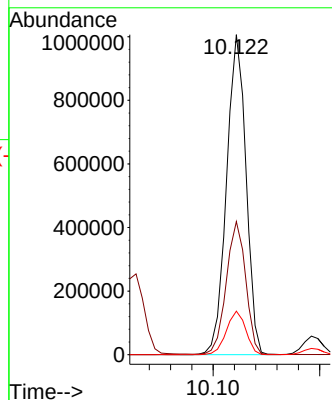
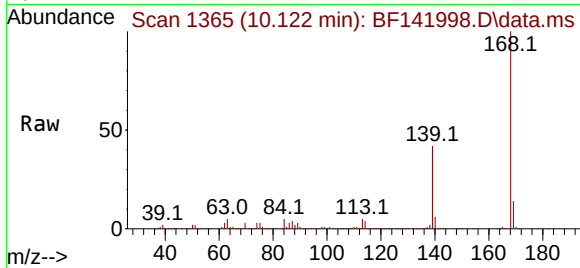




#55
Dibenzenofuran
Concen: 42.425 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

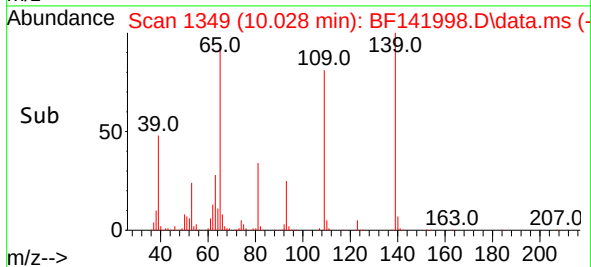
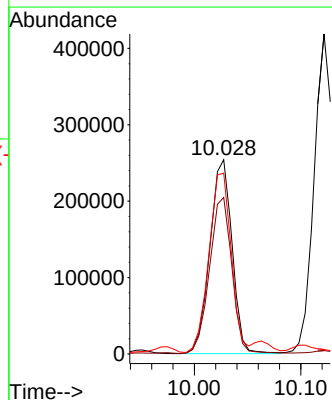
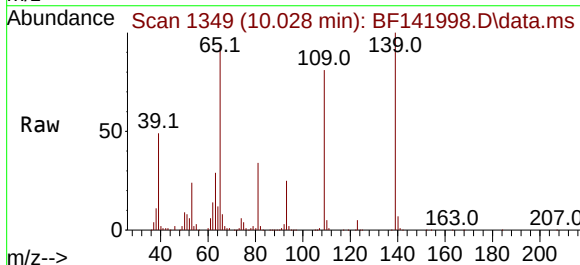
Instrument :
BNA_F
ClientSampleId :
PB167188BS

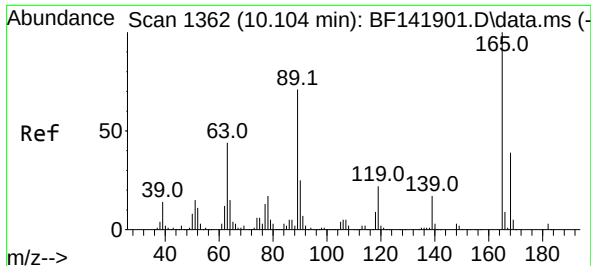
Tgt Ion:168 Resp: 1273171
Ion Ratio Lower Upper
168 100
139 41.6 33.9 50.9
169 13.6 11.0 16.4



#56
4-Nitrophenol
Concen: 92.730 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:139 Resp: 367794
Ion Ratio Lower Upper
139 100
109 80.6 61.6 101.6
65 93.1 79.4 119.4

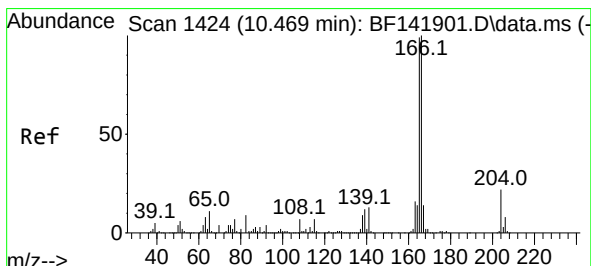
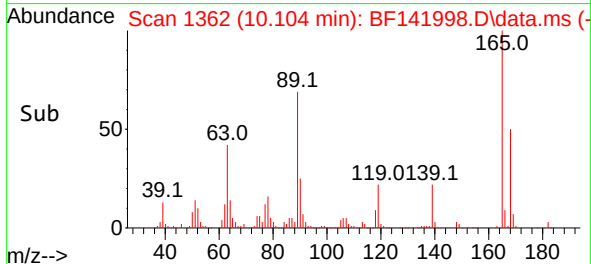
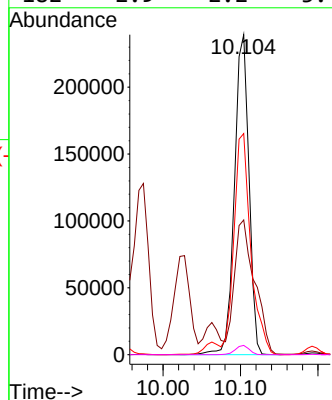
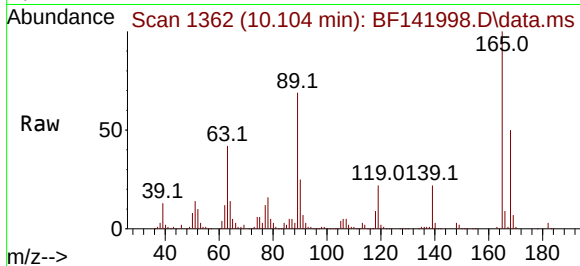




#57
2,4-Dinitrotoluene
Concen: 45.953 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

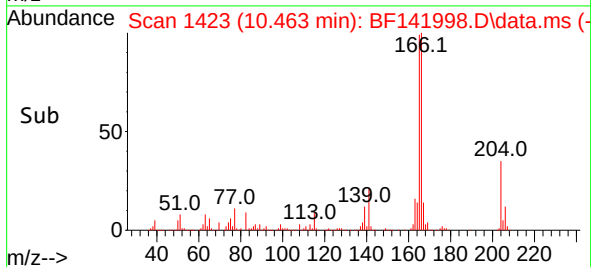
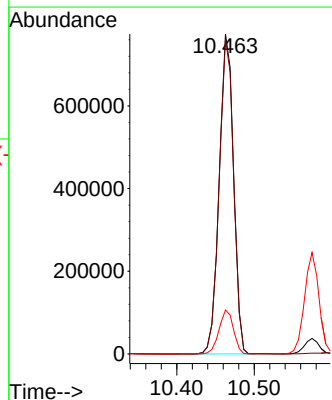
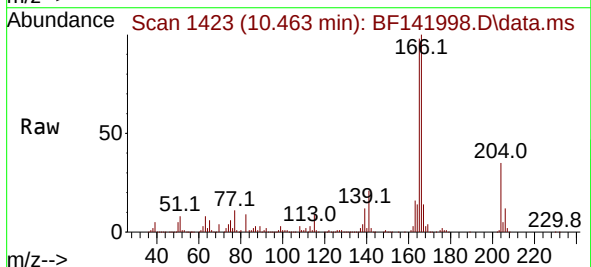
Instrument :
BNA_F
ClientSampleId :
PB167188BS

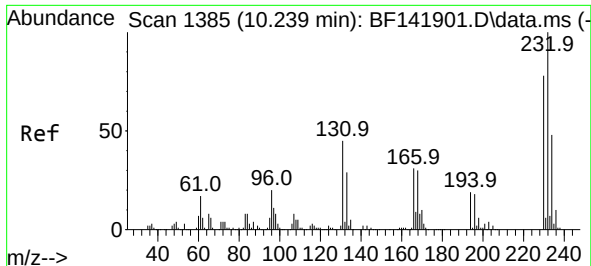
Tgt Ion:165 Resp: 311198
Ion Ratio Lower Upper
165 100
63 42.1 35.4 53.2
89 69.1 56.6 84.8
182 2.9 2.2 3.4



#58
Fluorene
Concen: 43.062 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:166 Resp: 996582
Ion Ratio Lower Upper
166 100
165 98.5 79.0 118.4
167 13.8 11.0 16.4

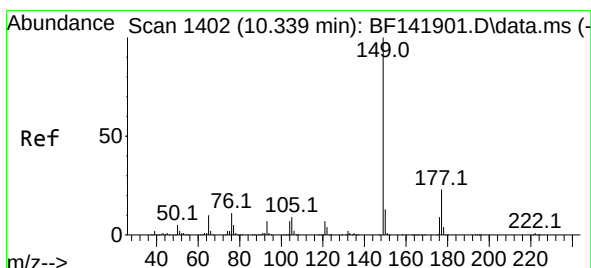
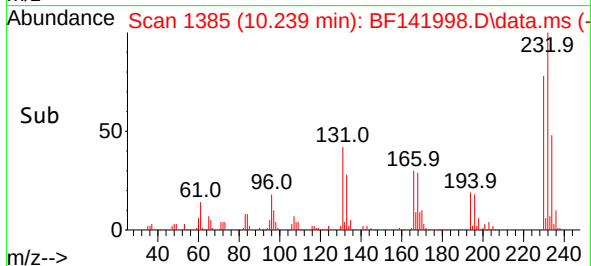
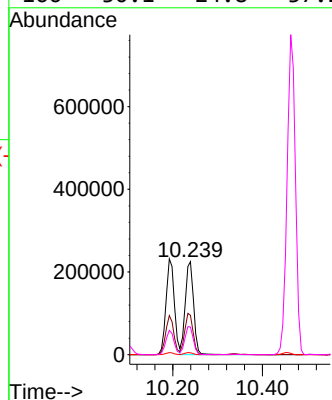
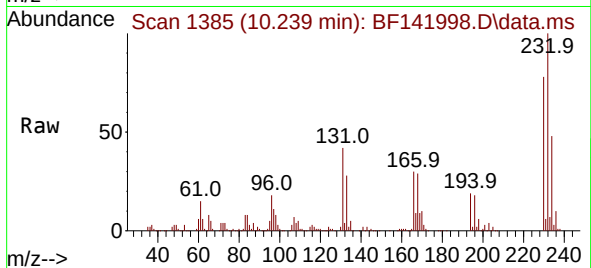




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.409 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

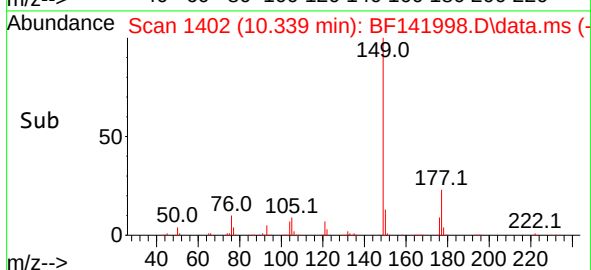
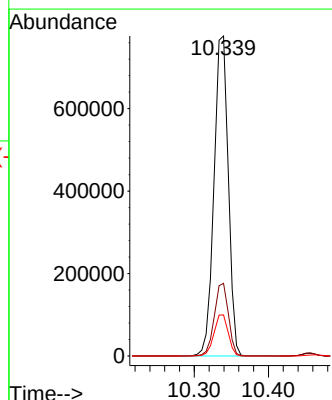
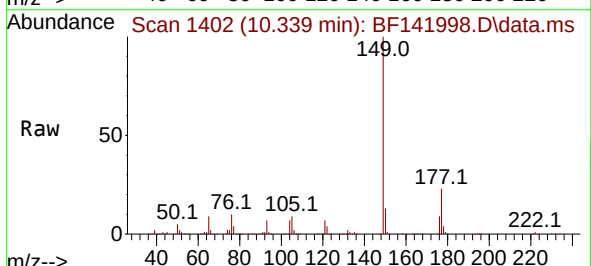
Instrument :
BNA_F
ClientSampleId :
PB167188BS

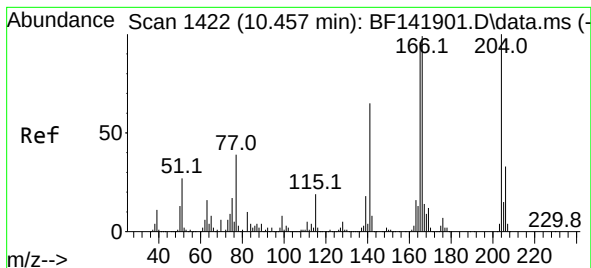
Tgt Ion:232 Resp: 289603
Ion Ratio Lower Upper
232 100
131 44.2 37.3 55.9
130 2.2 1.9 2.9
166 30.1 24.8 37.2



#60
Diethylphthalate
Concen: 41.842 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:149 Resp: 1038986
Ion Ratio Lower Upper
149 100
177 22.7 18.0 27.0
150 12.8 10.2 15.4

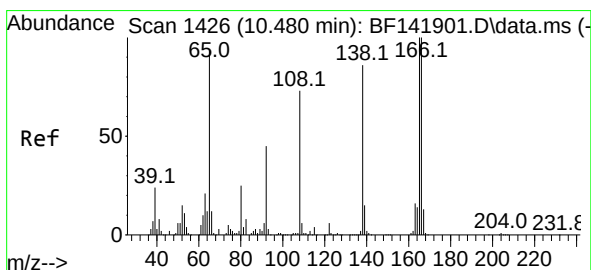
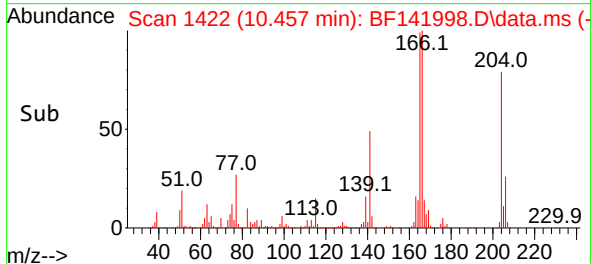
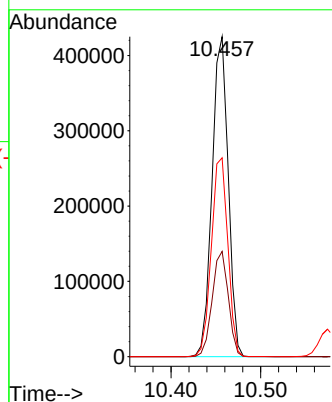
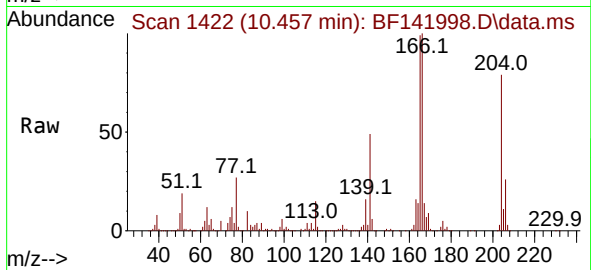




#61
4-Chlorophenyl-phenylether
Concen: 43.932 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

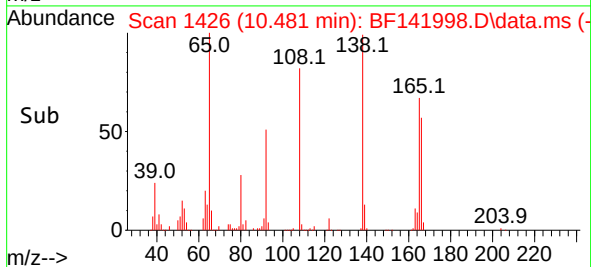
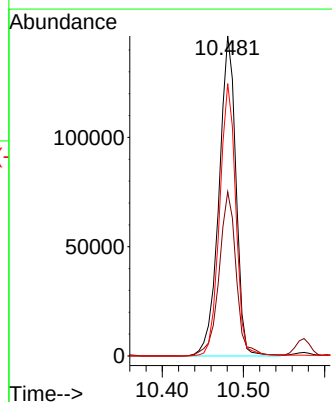
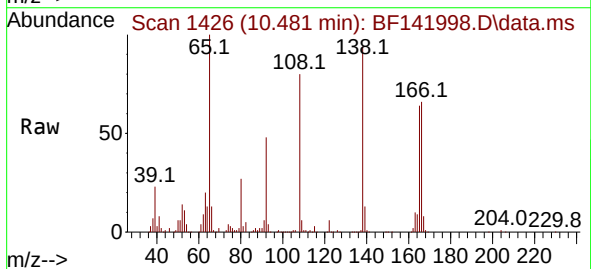
Instrument :
BNA_F
ClientSampleId :
PB167188BS

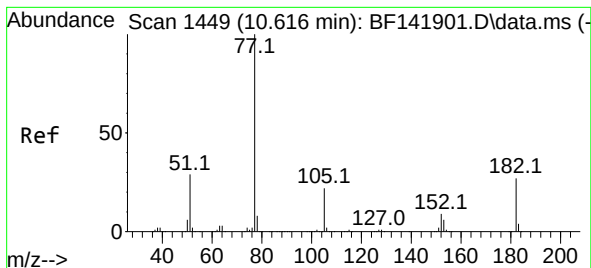
Tgt Ion:204 Resp: 530069
Ion Ratio Lower Upper
204 100
206 32.9 26.8 40.2
141 62.2 52.4 78.6



#62
4-Nitroaniline
Concen: 41.626 ng
RT: 10.481 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:138 Resp: 213141
Ion Ratio Lower Upper
138 100
92 51.3 32.6 72.6
108 85.1 65.0 105.0





#63

Azobenzene

Concen: 39.712 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

Tgt Ion: 77 Resp: 916791

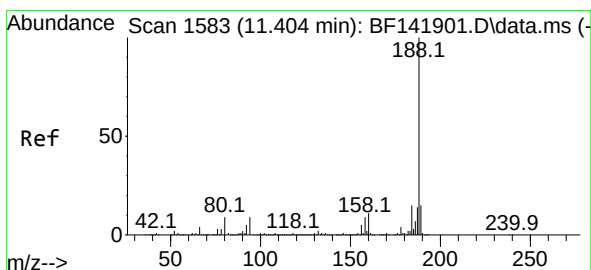
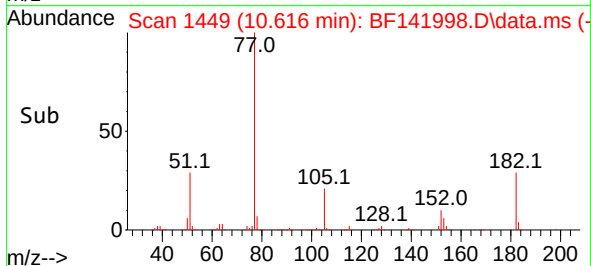
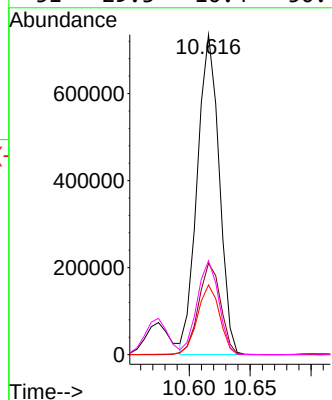
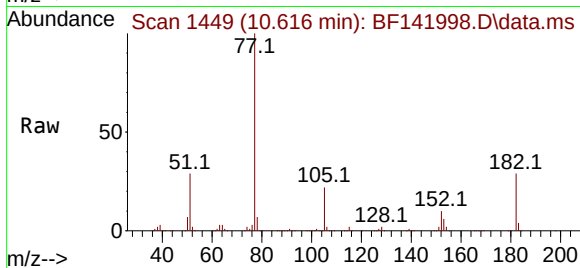
Ion Ratio Lower Upper

77 100

182 28.6 6.6 46.6

105 21.8 1.3 41.3

51 29.3 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

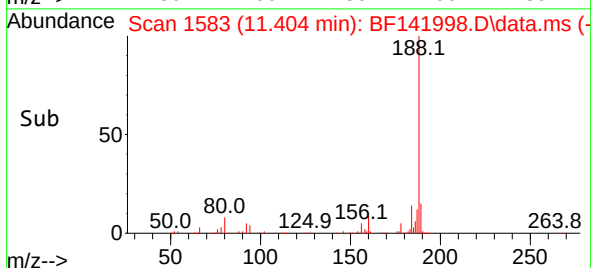
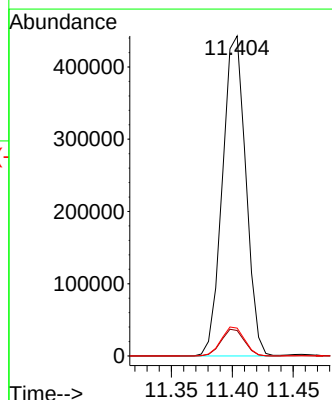
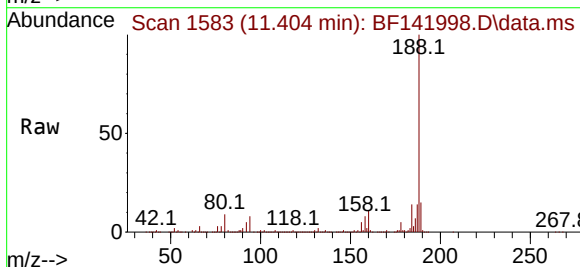
Tgt Ion: 188 Resp: 591930

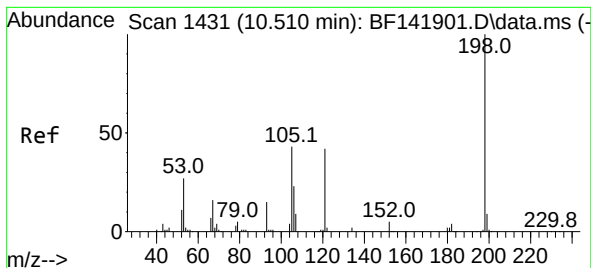
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 8.7 7.6 11.4

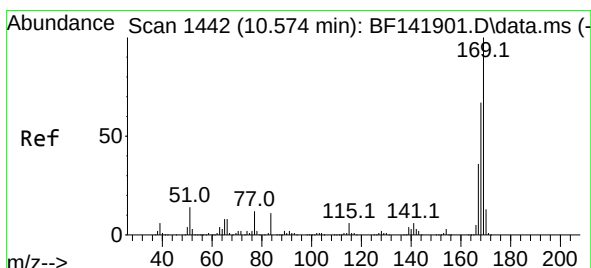
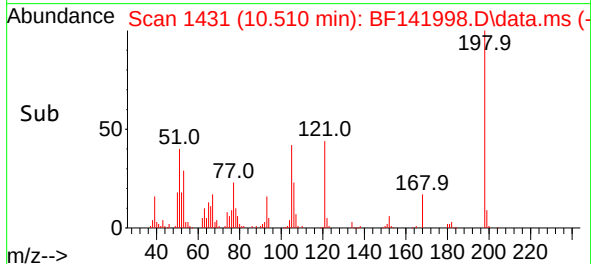
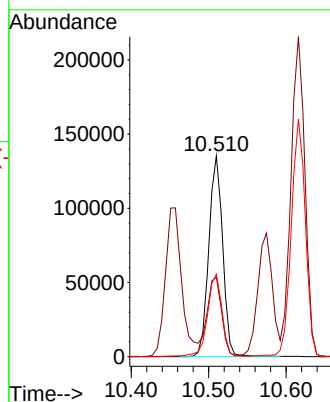
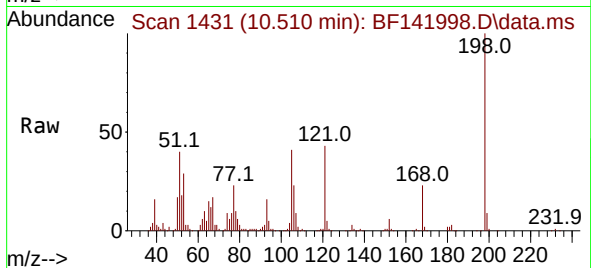




#65
4,6-Dinitro-2-methylphenol
Concen: 47.675 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

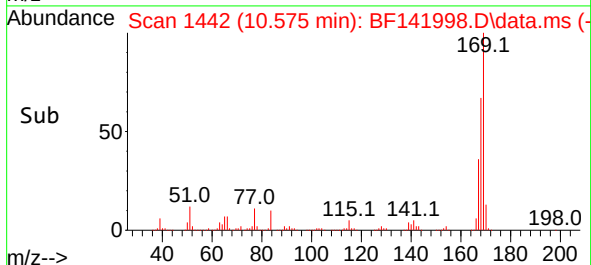
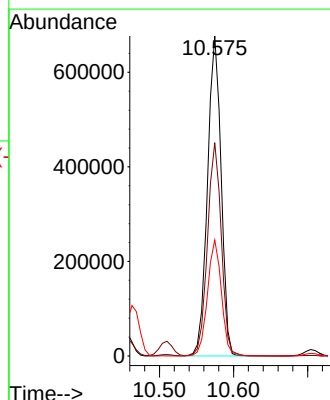
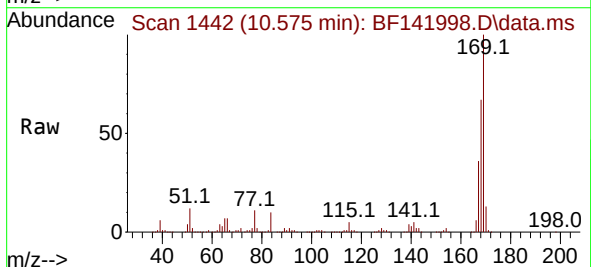
Instrument :
BNA_F
ClientSampleId :
PB167188BS

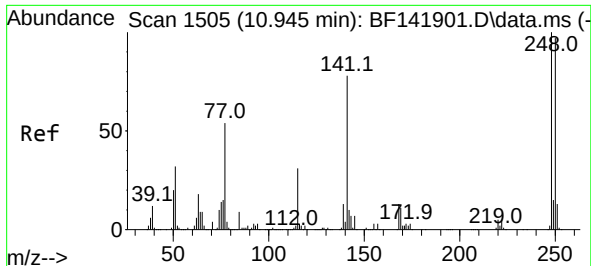
Tgt Ion:198 Resp: 168234
Ion Ratio Lower Upper
198 100
51 39.5 22.3 62.3
105 41.0 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 45.112 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:169 Resp: 864127
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.3 29.2 43.8

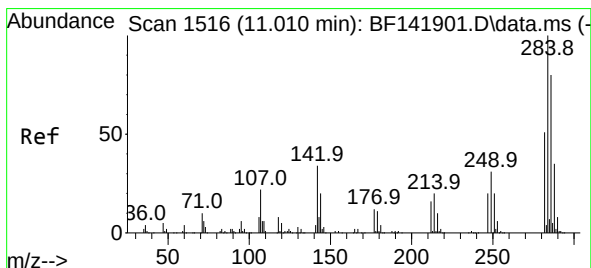
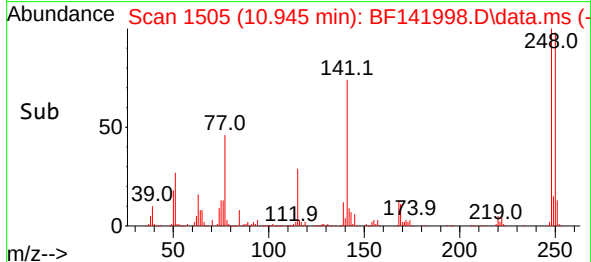
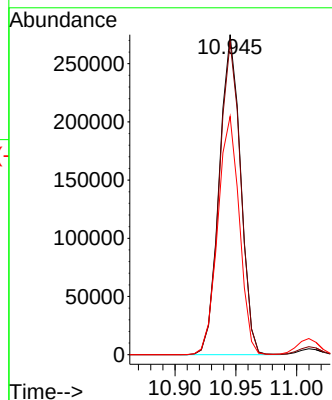
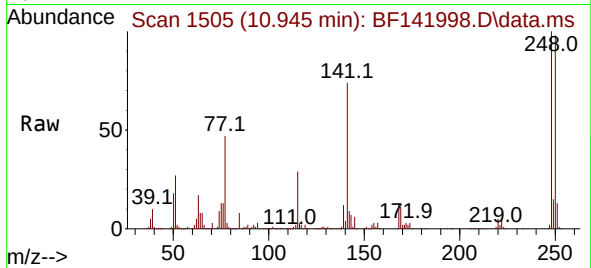




#67
4-Bromophenyl-phenylether
Concen: 45.107 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

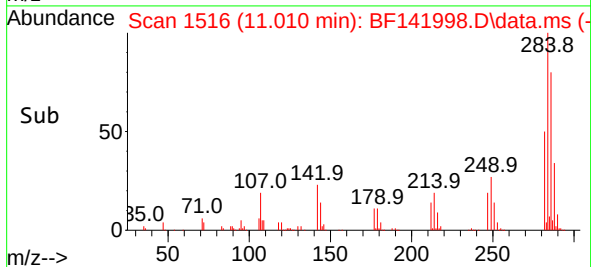
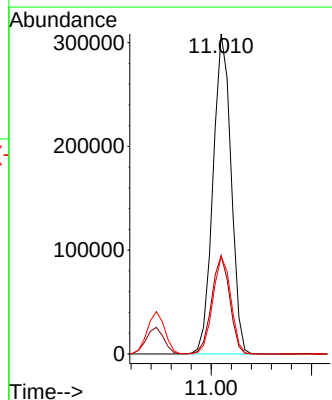
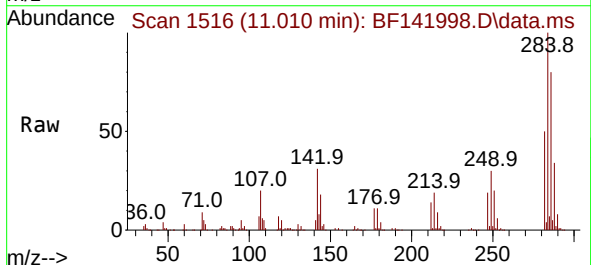
Instrument :
BNA_F
ClientSampleId :
PB167188BS

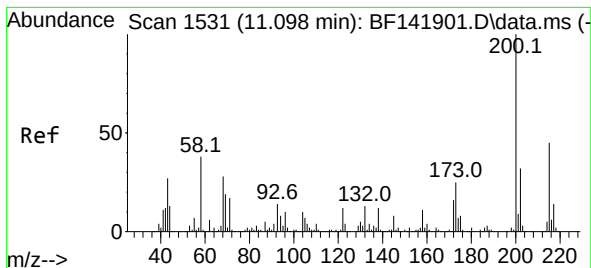
Tgt Ion:248 Resp: 335322
Ion Ratio Lower Upper
248 100
250 97.7 77.8 116.8
141 74.4 62.6 93.8



#68
Hexachlorobenzene
Concen: 47.400 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:284 Resp: 386465
Ion Ratio Lower Upper
284 100
142 30.8 27.0 40.6
249 30.5 25.2 37.8





#69

Atrazine

Concen: 58.064 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

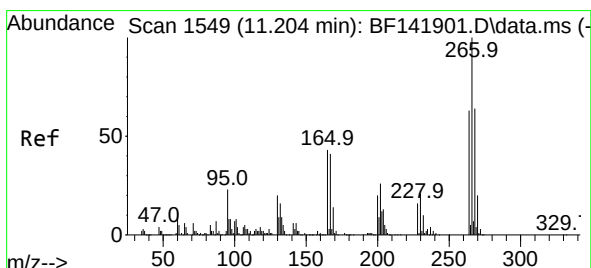
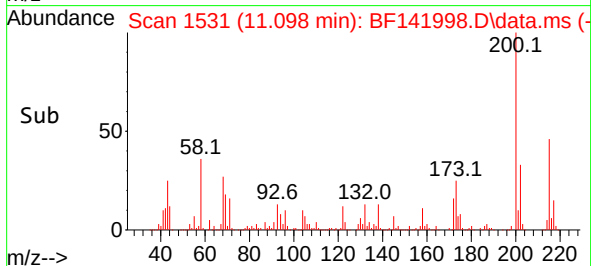
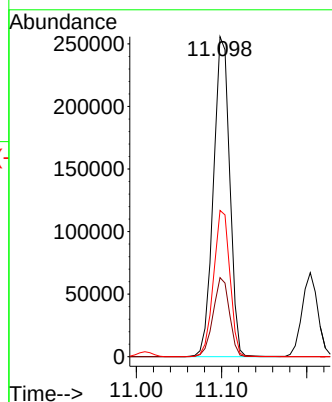
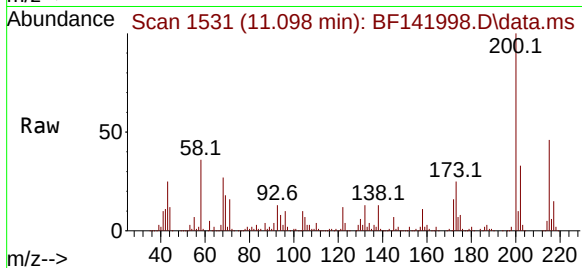
Tgt Ion:200 Resp: 340963

Ion Ratio Lower Upper

200 100

173 24.7 4.7 44.7

215 45.7 25.4 65.4



#70

Pentachlorophenol

Concen: 90.985 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

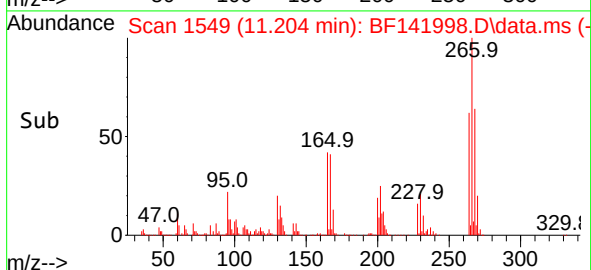
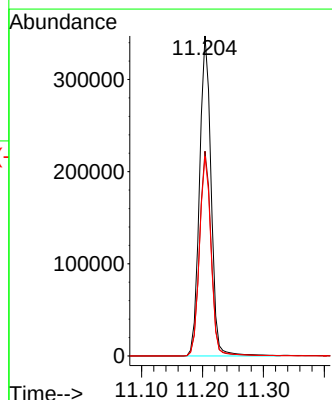
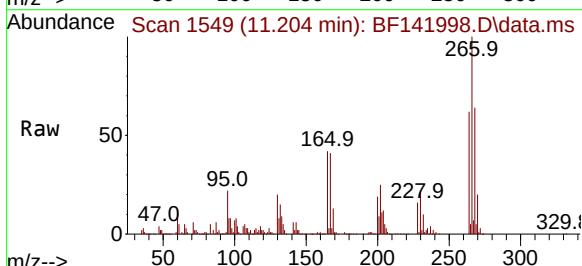
Tgt Ion:266 Resp: 457066

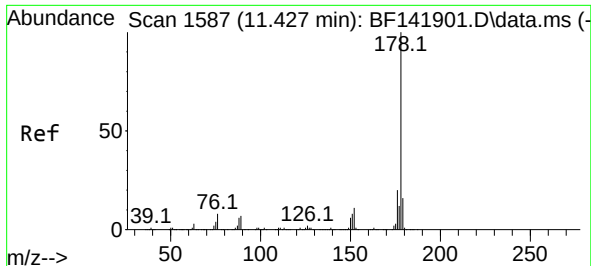
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

264 62.4 50.2 75.2

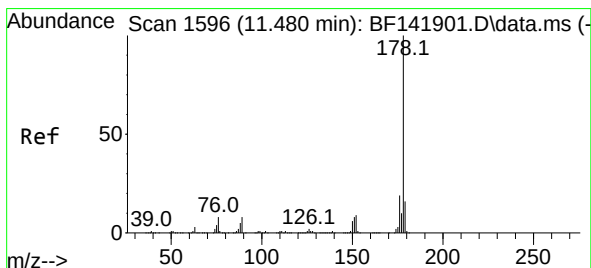
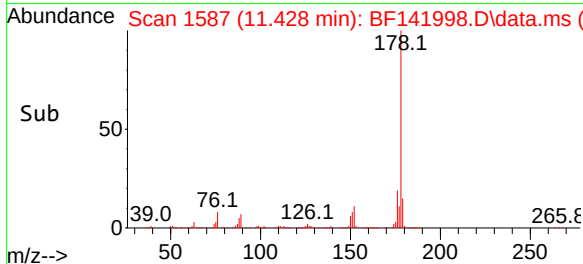
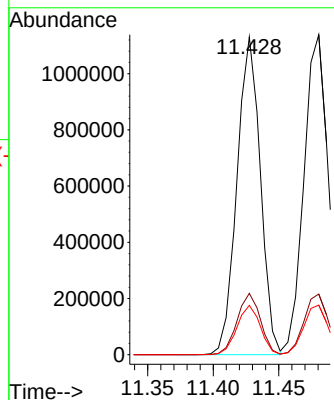
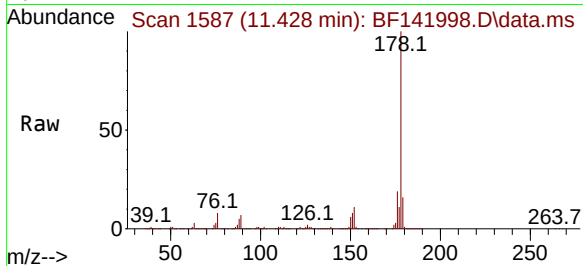




#71
Phenanthrene
Concen: 43.942 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

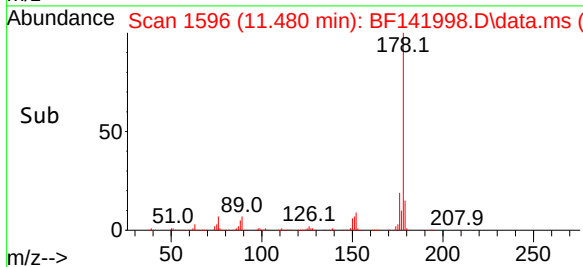
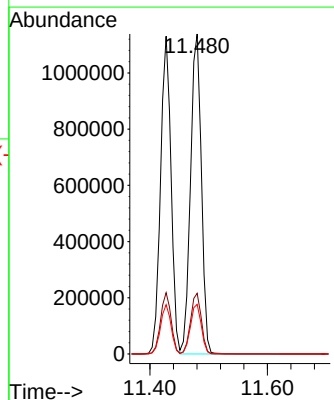
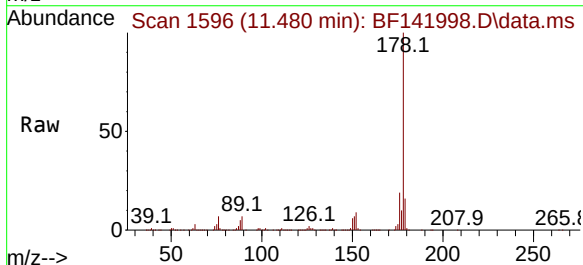
Instrument :
BNA_F
ClientSampleId :
PB167188BS

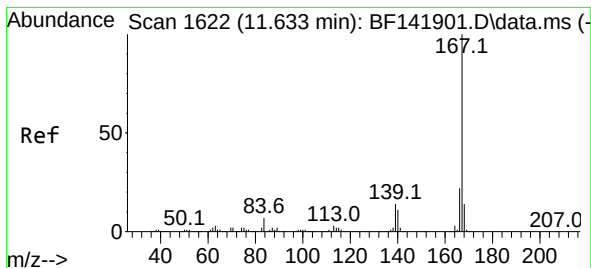
Tgt Ion:178 Resp: 1404913
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.6 19.0



#72
Anthracene
Concen: 45.365 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:178 Resp: 1455129
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.5 12.6 19.0





#73

Carbazole

Concen: 43.003 ng

RT: 11.633 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

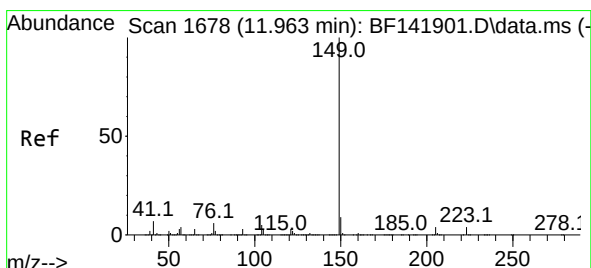
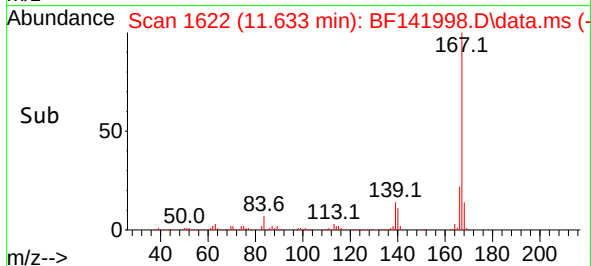
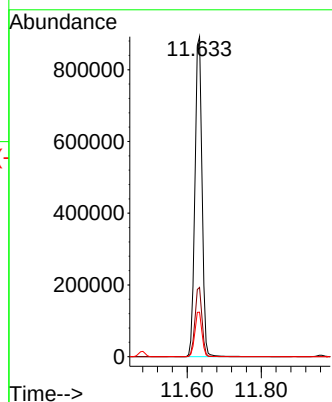
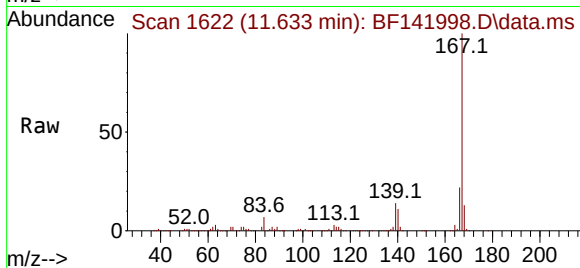
Tgt Ion:167 Resp: 1189605

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.2

139 13.9 11.0 16.6



#74

Di-n-butylphthalate

Concen: 40.975 ng

RT: 11.963 min Scan# 1678

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

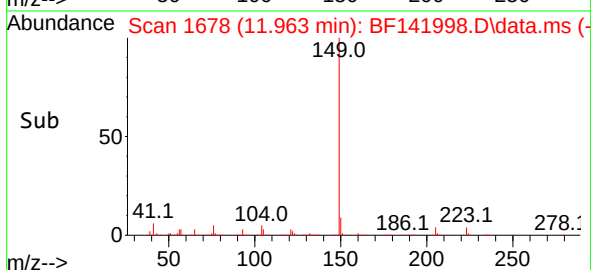
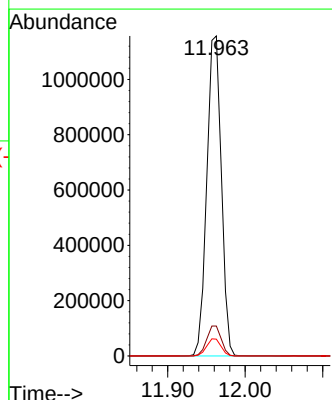
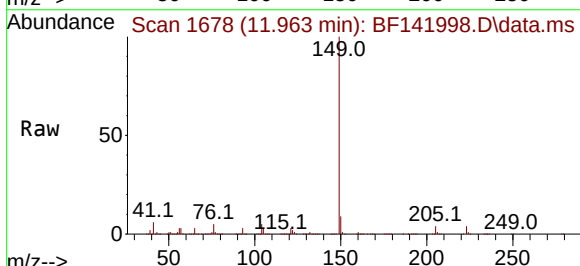
Tgt Ion:149 Resp: 1504011

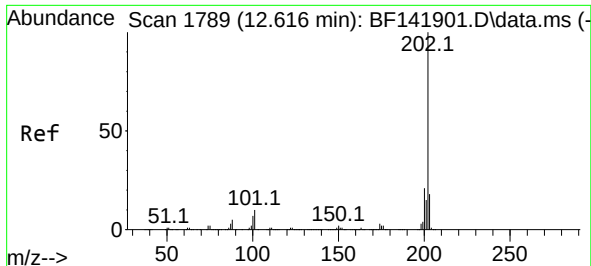
Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

104 5.3 4.4 6.6

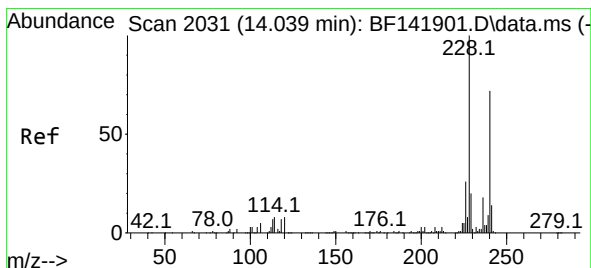
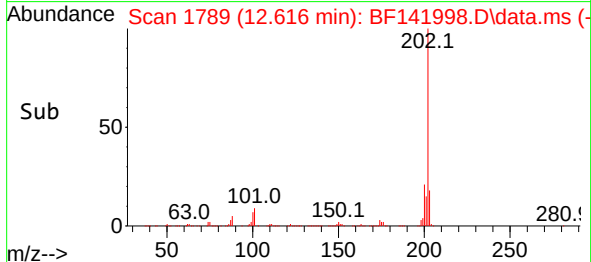
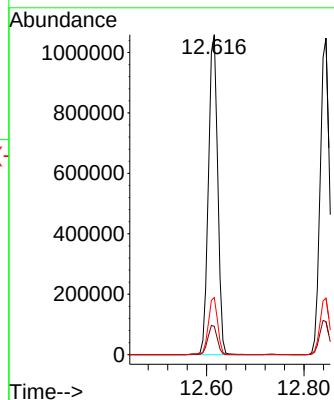
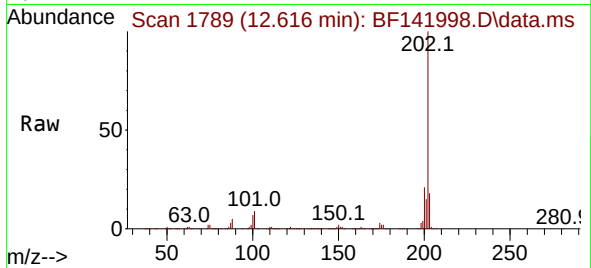




#75
Fluoranthene
Concen: 41.046 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

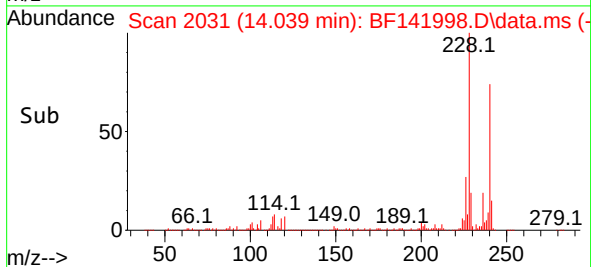
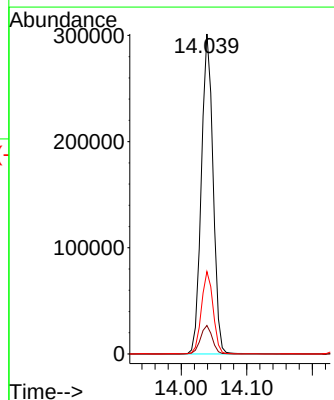
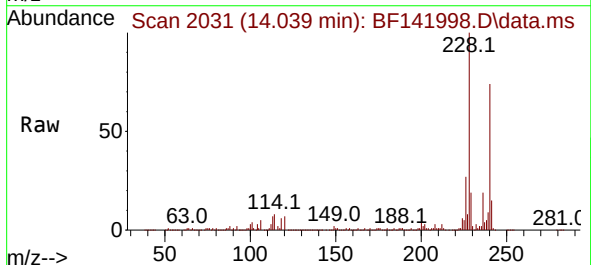
Instrument :
BNA_F
ClientSampleId :
PB167188BS

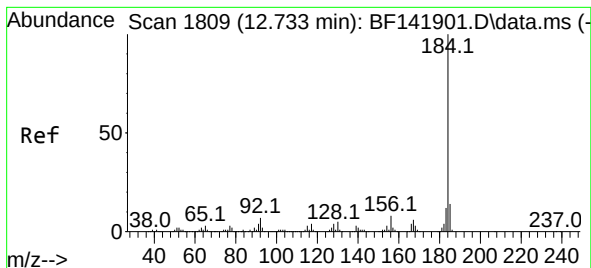
Tgt Ion:202 Resp: 1392061
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141998.D
Acq: 19 Mar 2025 11:13

Tgt Ion:240 Resp: 375141
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.8 20.5 30.7





#77

Benzidine

Concen: 69.777 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

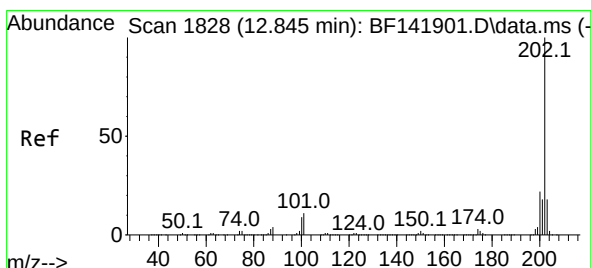
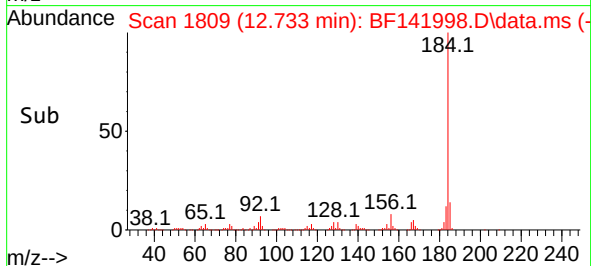
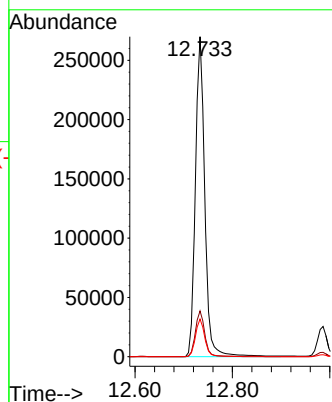
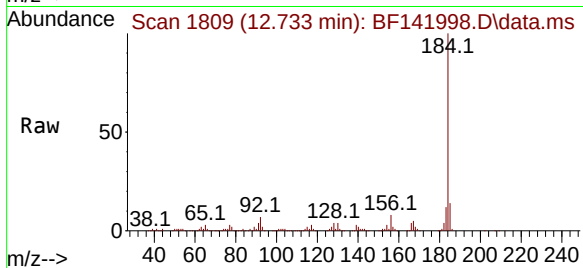
Tgt Ion:184 Resp: 365207

Ion Ratio Lower Upper

184 100

185 14.3 11.5 17.3

183 11.7 9.7 14.5



#78

Pyrene

Concen: 42.269 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

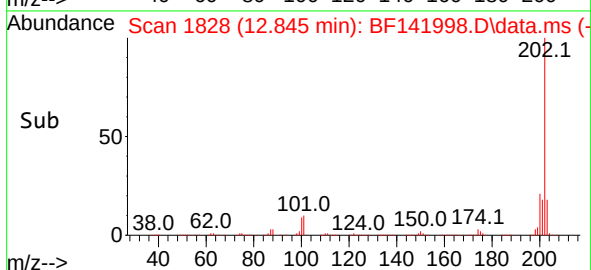
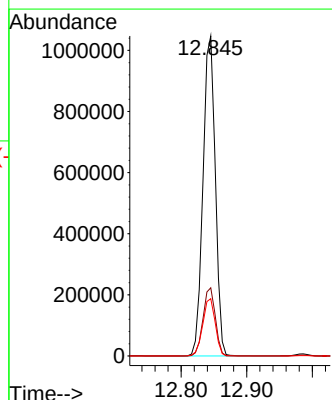
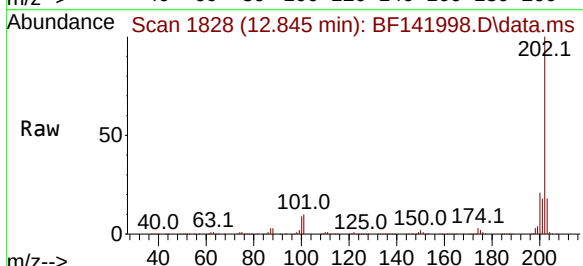
Tgt Ion:202 Resp: 1371648

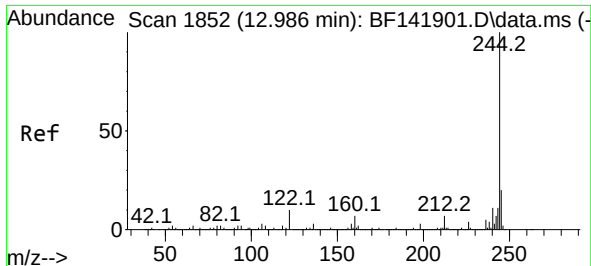
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 17.9 14.4 21.6

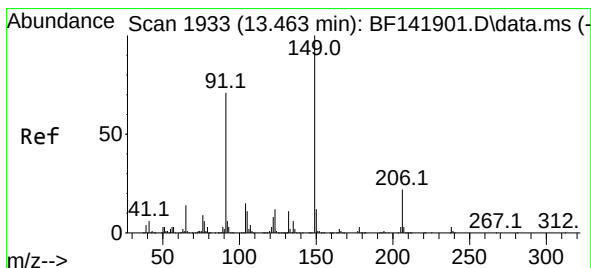
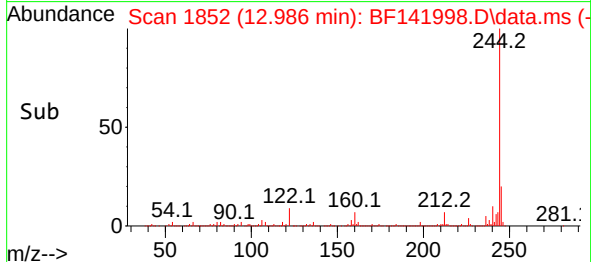
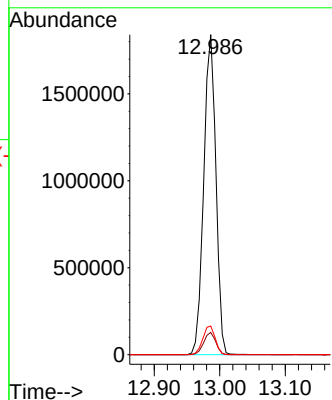
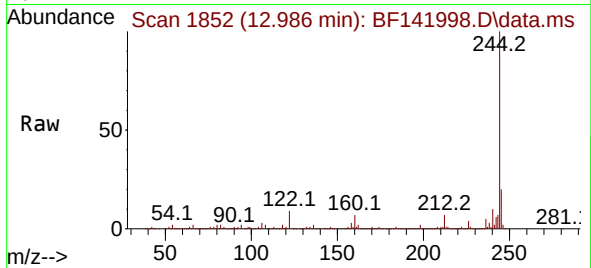




#79
 Terphenyl-d14
 Concen: 93.810 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

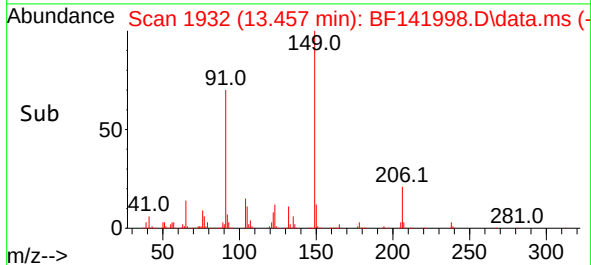
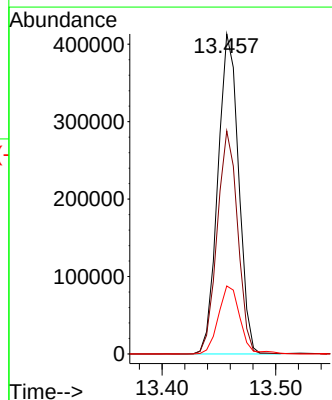
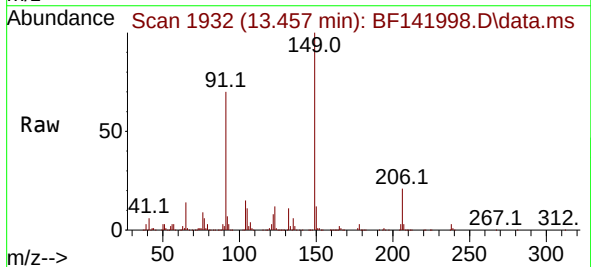
Instrument :
 BNA_F
 ClientSampleId :
 PB167188BS

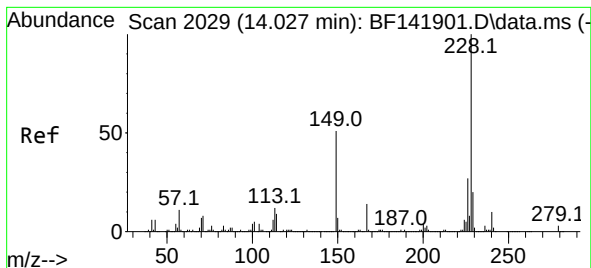
Tgt Ion:244 Resp: 2380327
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.0 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 41.300 ng
 RT: 13.457 min Scan# 1932
 Delta R.T. -0.006 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

Tgt Ion:149 Resp: 524556
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.5 84.7
 206 21.2 17.3 25.9





#81

Benzo(a)anthracene

Concen: 44.215 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

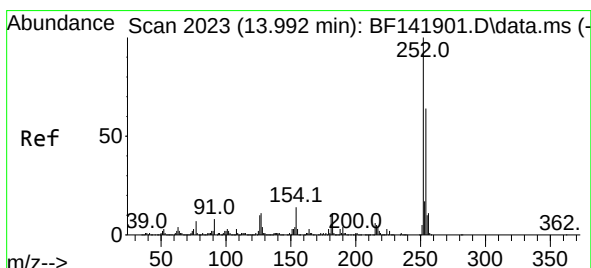
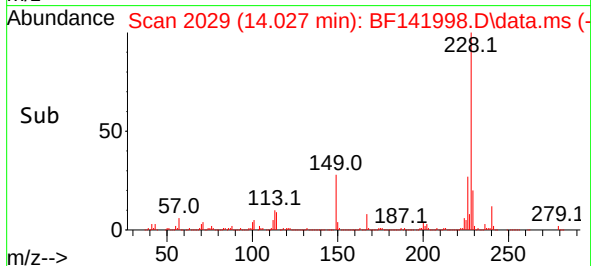
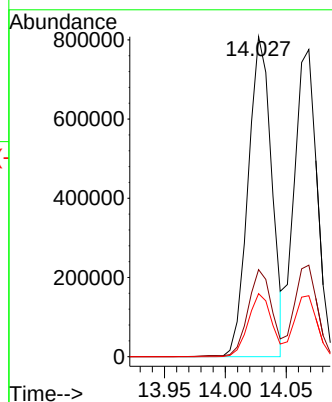
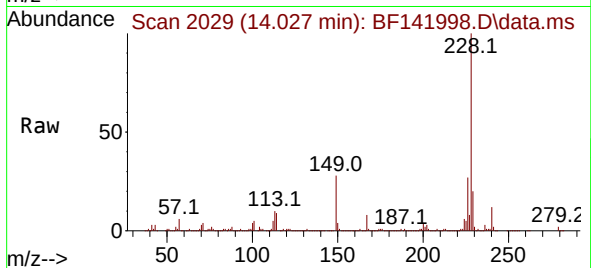
Tgt Ion:228 Resp: 1088444

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 19.7 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 30.972 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

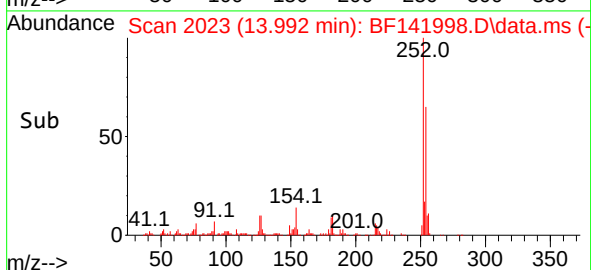
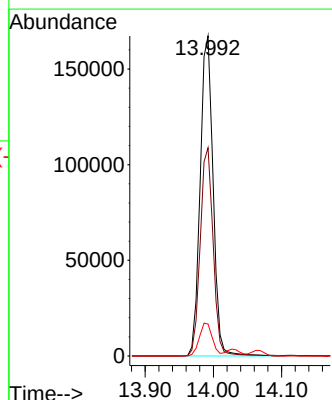
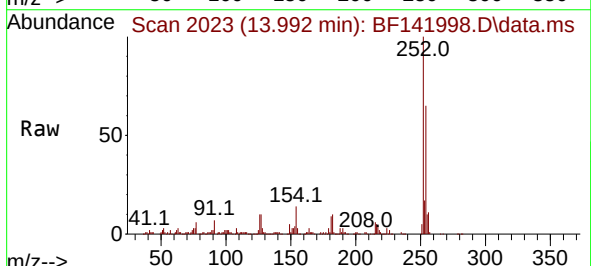
Tgt Ion:252 Resp: 220332

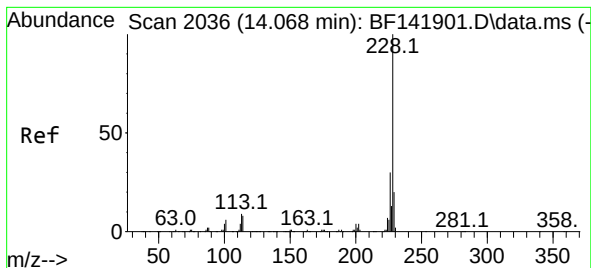
Ion Ratio Lower Upper

252 100

254 65.0 51.0 76.6

126 10.0 8.4 12.6





#83

Chrysene

Concen: 45.506 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

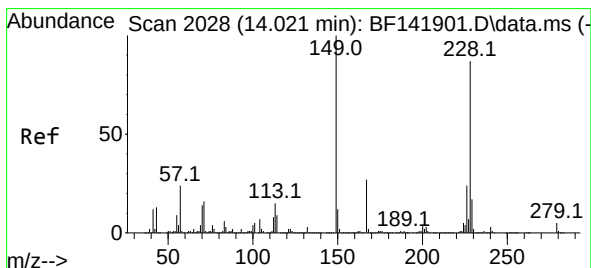
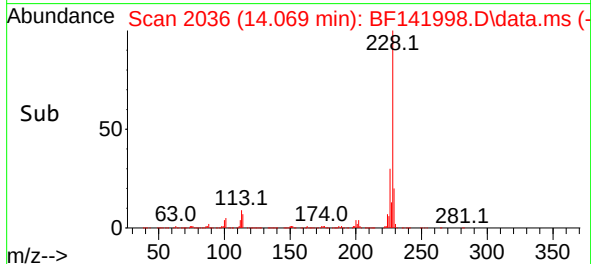
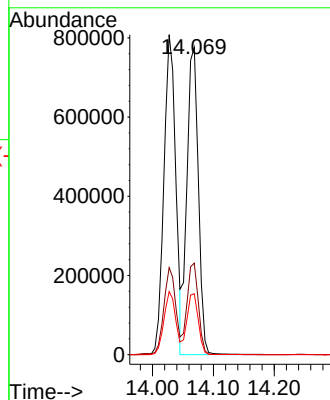
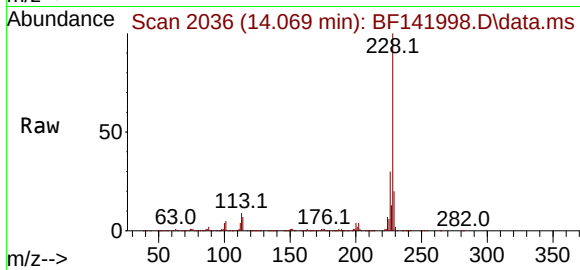
Tgt Ion:228 Resp: 1015438

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.210 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

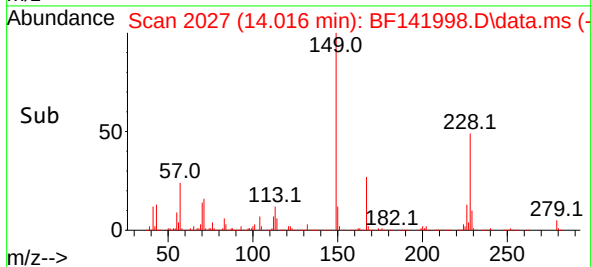
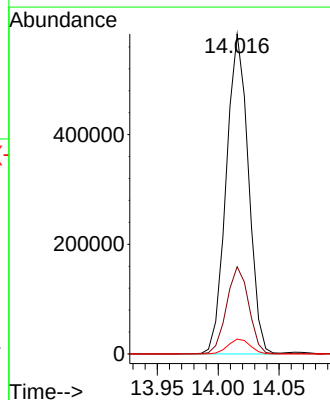
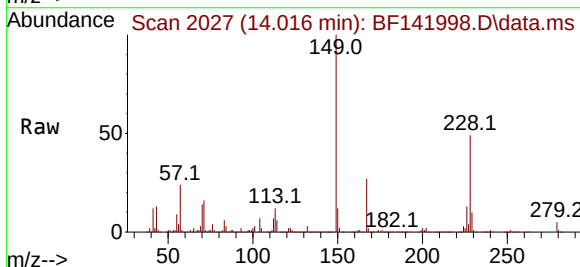
Tgt Ion:149 Resp: 739189

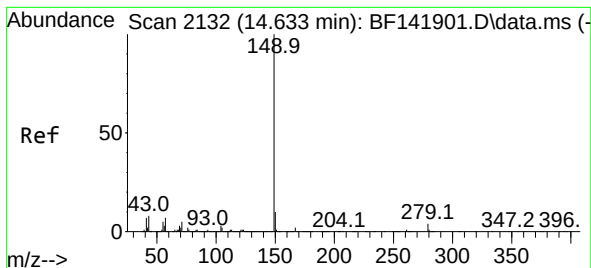
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 48.696 ng

RT: 14.627 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

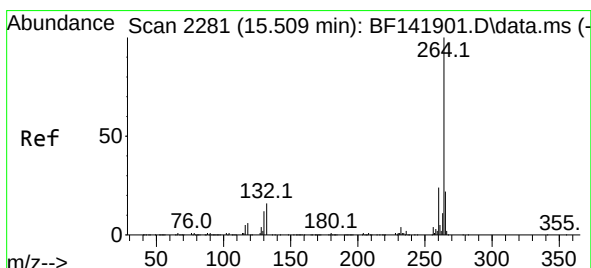
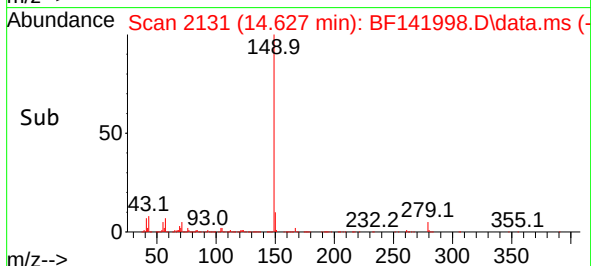
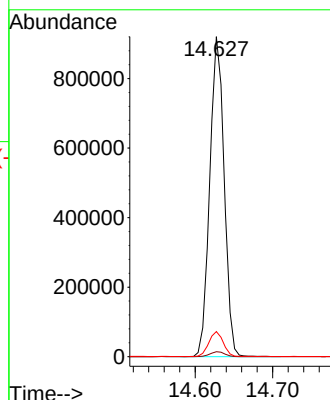
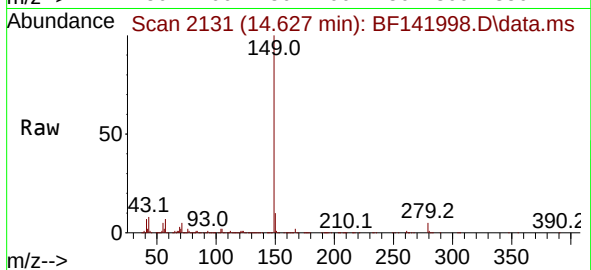
Tgt Ion:149 Resp: 1186547

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.8 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

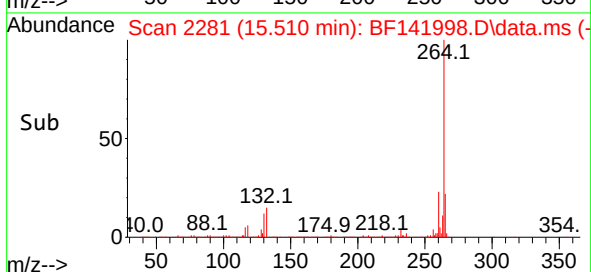
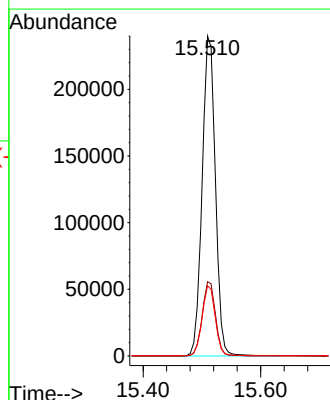
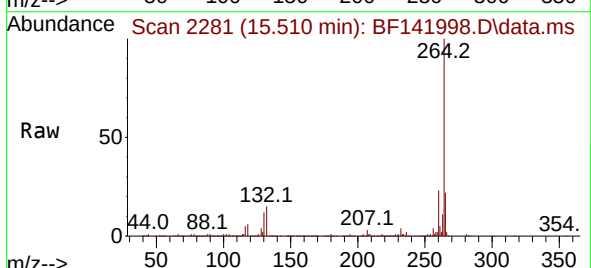
Tgt Ion:264 Resp: 375629

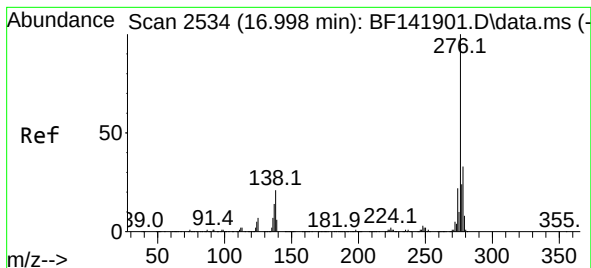
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.901 ng

RT: 17.004 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

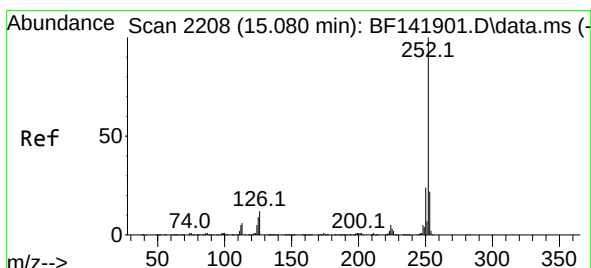
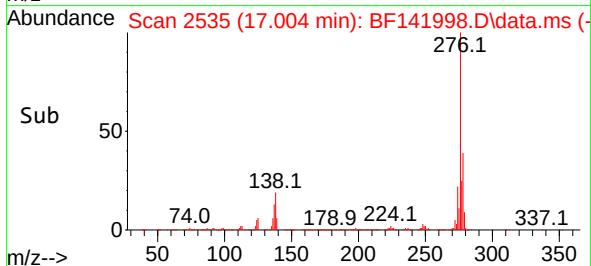
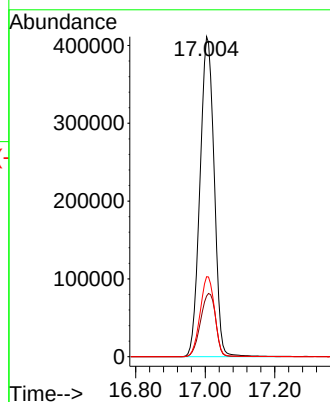
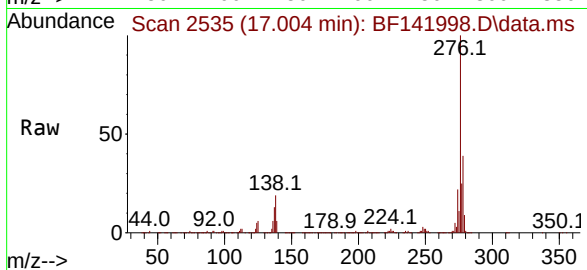
Tgt Ion:276 Resp: 1163944

Ion Ratio Lower Upper

276 100

138 21.1 18.4 27.6

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 44.314 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

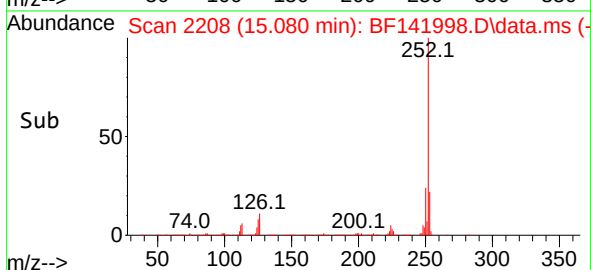
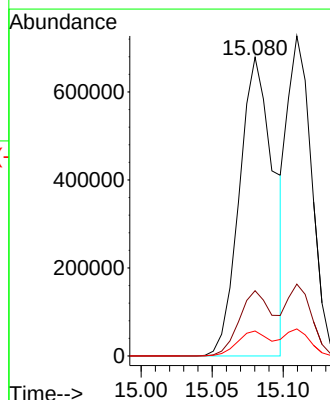
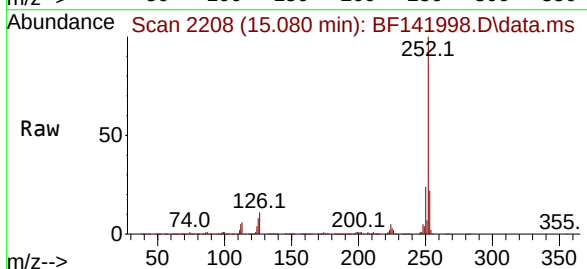
Tgt Ion:252 Resp: 1140814

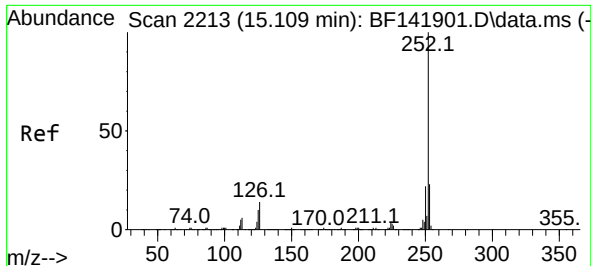
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.3 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 39.533 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

Instrument :

BNA_F

ClientSampleId :

PB167188BS

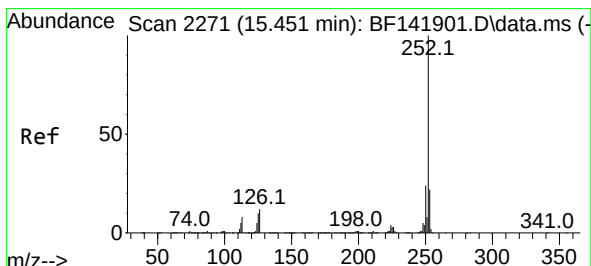
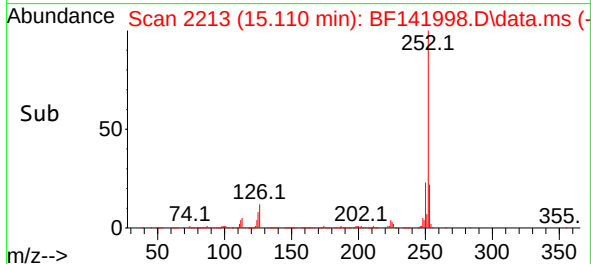
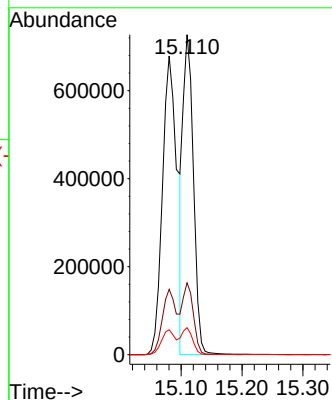
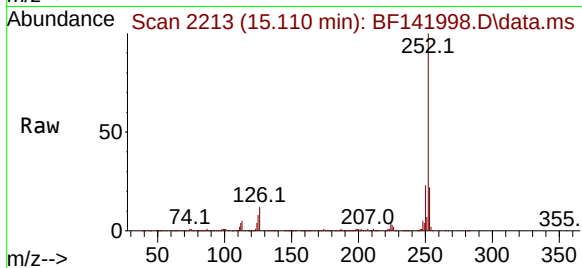
Tgt Ion:252 Resp: 870957

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 47.047 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF141998.D

Acq: 19 Mar 2025 11:13

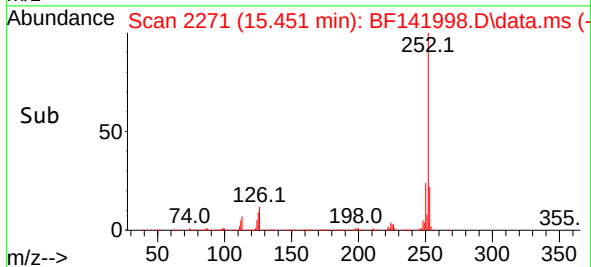
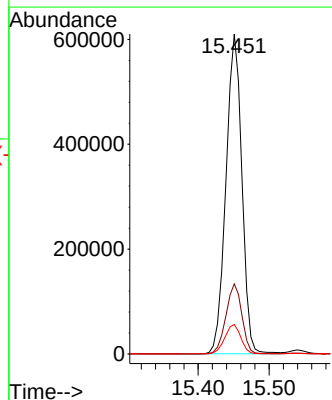
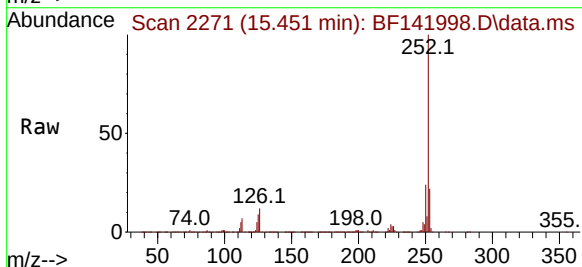
Tgt Ion:252 Resp: 947708

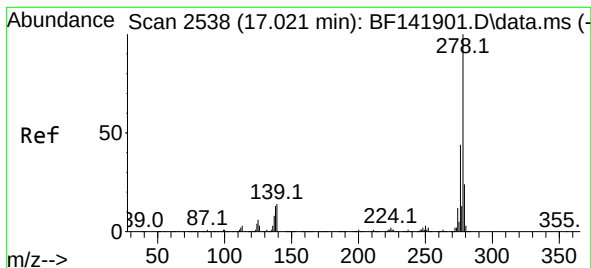
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.2 7.8 11.8

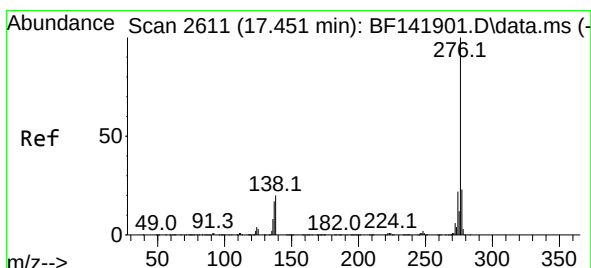
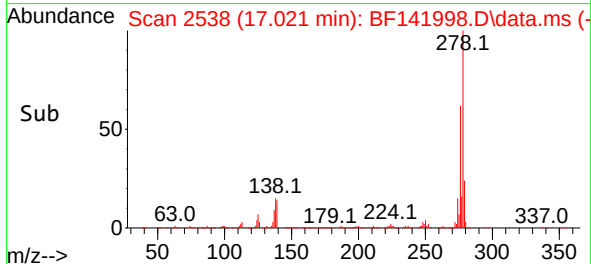
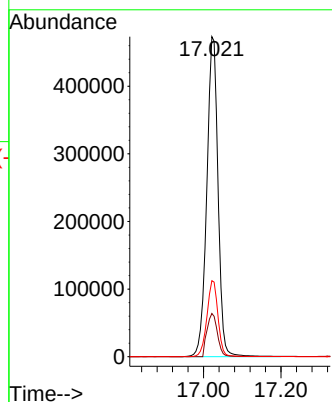
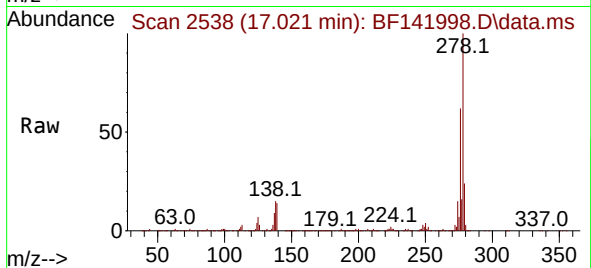




#91
 Dibenzo(a,h)anthracene
 Concen: 47.545 ng
 RT: 17.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

Instrument :
 BNA_F
 ClientSampleId :
 PB167188BS

Tgt Ion:278 Resp: 953213
 Ion Ratio Lower Upper
 278 100
 139 13.5 11.4 17.2
 279 23.8 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 43.951 ng
 RT: 17.457 min Scan# 2612
 Delta R.T. 0.006 min
 Lab File: BF141998.D
 Acq: 19 Mar 2025 11:13

Tgt Ion:276 Resp: 870750
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.7 28.1
 138 17.5 15.8 23.8

