

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141884.D
 Acq On : 07 Mar 2025 09:55
 Operator : RC/JU
 Sample : PB167016BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167016BS

Quant Time: Mar 07 10:12:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	179491	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	716894	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	419936	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	730268	20.000	ng	0.00
76) Chrysene-d12	14.045	240	514866	20.000	ng	0.00
86) Perylene-d12	15.515	264	393279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1310141	116.567	ng	0.02
7) Phenol-d6	6.510	99	1627919	111.280	ng	0.00
23) Nitrobenzene-d5	7.445	82	1082308	96.501	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	653885	165.858	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2241666	85.594	ng	0.00
79) Terphenyl-d14	12.992	244	2815666	88.480	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	173526	34.026	ng	95
3) Pyridine	3.540	79	415150	32.718	ng	95
4) n-Nitrosodimethylamine	3.481	42	213211	34.922	ng	# 96
6) Aniline	6.545	93	487563	32.058	ng	100
8) 2-Chlorophenol	6.669	128	491496	40.425	ng	93
9) Benzaldehyde	6.434	77	169153	19.878	ng	98
10) Phenol	6.522	94	581042	37.169	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	427761	35.898	ng	94
12) 1,3-Dichlorobenzene	6.828	146	506373	38.890	ng	100
13) 1,4-Dichlorobenzene	6.904	146	513857	39.168	ng	99
14) 1,2-Dichlorobenzene	7.057	146	496587	40.535	ng	99
15) Benzyl Alcohol	7.022	79	429158	36.707	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	520569	28.766	ng	93
17) 2-Methylphenol	7.128	107	386629	38.525	ng	98
18) Hexachloroethane	7.398	117	190868	38.870	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	330021	34.318	ng	98
20) 3+4-Methylphenols	7.281	107	489645	39.182	ng	91
22) Acetophenone	7.292	105	728876	41.745	ng	98
24) Nitrobenzene	7.463	77	504262	41.986	ng	99
25) Isophorone	7.704	82	897317	37.241	ng	98
26) 2-Nitrophenol	7.781	139	248030	46.398	ng	98
27) 2,4-Dimethylphenol	7.810	122	423423	47.806	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	536568	34.910	ng	100
29) 2,4-Dichlorophenol	8.016	162	409936	40.120	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	437747	39.097	ng	99
31) Naphthalene	8.186	128	1400891	38.021	ng	99
32) Benzoic acid	7.928	122	328141	44.967	ng	98
33) 4-Chloroaniline	8.233	127	245936	18.204	ng	99
34) Hexachlorobutadiene	8.304	225	288945	41.529	ng	97
35) Caprolactam	8.598	113	89451	28.457	ng	# 84
36) 4-Chloro-3-methylphenol	8.710	107	458784	40.419	ng	100
37) 2-Methylnaphthalene	8.875	142	901415	37.299	ng	99
38) 1-Methylnaphthalene	8.975	142	883724	38.109	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	527217	43.470	ng	99
41) Hexachlorocyclopentadiene	9.033	237	679386	134.228	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	325889	41.597	ng	100

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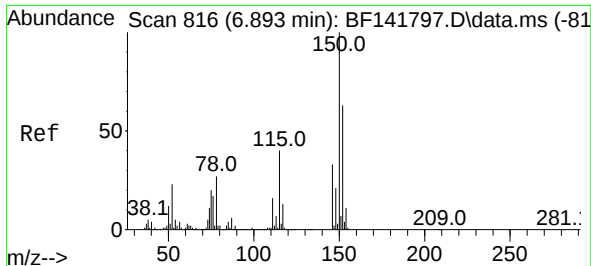
Quant Time: Mar 07 10:12:00 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	339634	43.780	ng	98
46) 1,1'-Biphenyl	9.339	154	1349271	42.212	ng	99
47) 2-Chloronaphthalene	9.369	162	933556	39.571	ng	99
48) 2-Nitroaniline	9.457	65	294678	45.846	ng	96
49) Acenaphthylene	9.780	152	1473589	41.660	ng	100
50) Dimethylphthalate	9.639	163	1131944	40.251	ng	100
51) 2,6-Dinitrotoluene	9.704	165	250645	46.673	ng	90
52) Acenaphthene	9.957	154	1088895	45.624	ng	100
53) 3-Nitroaniline	9.869	138	172982	31.287	ng	# 94
54) 2,4-Dinitrophenol	9.975	184	300997	108.480	ng	# 1
55) Dibenzofuran	10.127	168	1306751	37.617	ng	99
56) 4-Nitrophenol	10.027	139	458442	110.375	ng	94
57) 2,4-Dinitrotoluene	10.104	165	343289	51.931	ng	95
58) Fluorene	10.469	166	1038850	39.924	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	296793	43.989	ng	99
60) Diethylphthalate	10.345	149	1112154	39.449	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	518825	39.795	ng	99
62) 4-Nitroaniline	10.486	138	263619	54.891	ng	96
63) Azobenzene	10.622	77	1049439	35.354	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	189816	53.979	ng	91
66) n-Nitrosodiphenylamine	10.580	169	923056	38.494	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	343779	40.303	ng	98
68) Hexachlorobenzene	11.016	284	392769	43.606	ng	97
69) Atrazine	11.104	200	385225	58.418	ng	99
70) Pentachlorophenol	11.210	266	524021	91.729	ng	99
71) Phenanthrene	11.433	178	1582418	40.510	ng	99
72) Anthracene	11.486	178	1625497	41.521	ng	100
73) Carbazole	11.633	167	1452863	42.025	ng	100
74) Di-n-butylphthalate	11.963	149	1663012	37.949	ng	100
75) Fluoranthene	12.616	202	1711522	42.761	ng	97
77) Benzidine	12.739	184	615533	94.985	ng	100
78) Pyrene	12.845	202	1739277	39.011	ng	99
80) Butylbenzylphthalate	13.463	149	672937	41.543	ng	96
81) Benzo(a)anthracene	14.033	228	1385577	40.743	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	284105	29.118	ng	99
83) Chrysene	14.068	228	1253518	39.986	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	893053	44.277	ng	99
85) Di-n-octyl phthalate	14.633	149	1252163	41.468	ng	95
87) Indeno(1,2,3-cd)pyrene	17.003	276	1080175	43.133	ng	95
88) Benzo(b)fluoranthene	15.080	252	1109885	41.430	ng	99
89) Benzo(k)fluoranthene	15.109	252	942003	41.371	ng	99
90) Benzo(a)pyrene	15.451	252	904383	42.095	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	872509	42.683	ng	# 96
92) Benzo(g,h,i)perylene	17.456	276	888869	42.445	ng	95

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

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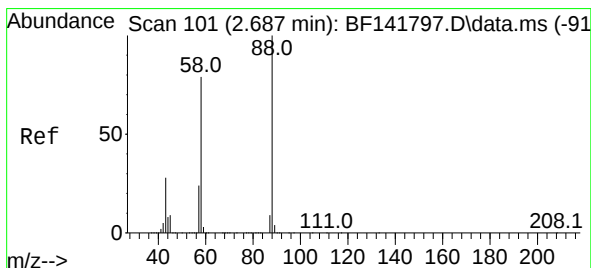
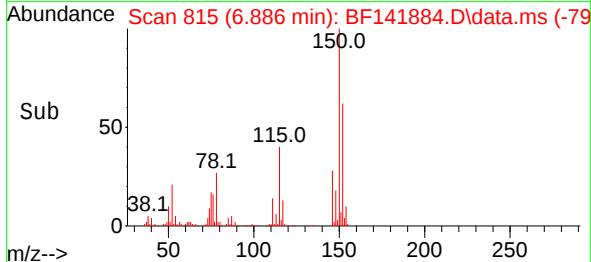
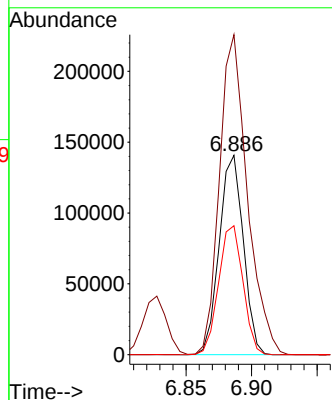
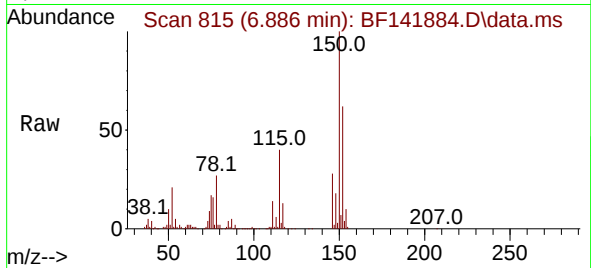




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BF141884.D
 Acq: 07 Mar 2025 09:55

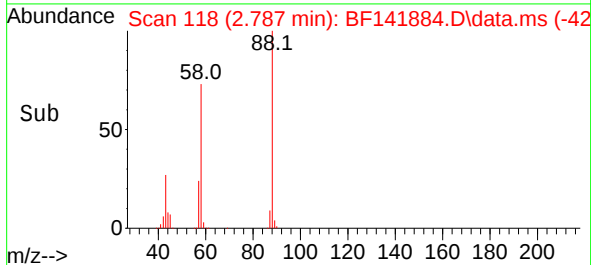
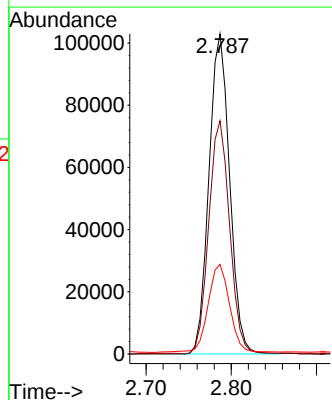
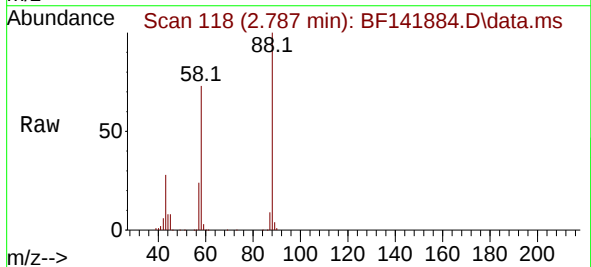
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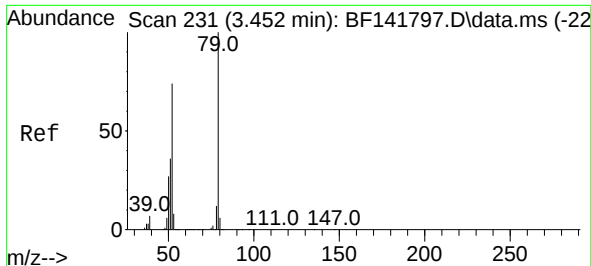
Tgt Ion:152 Resp: 179491
 Ion Ratio Lower Upper
 152 100
 150 160.5 127.5 191.3
 115 64.7 51.4 77.2



#2
 1,4-Dioxane
 Concen: 34.026 ng
 RT: 2.787 min Scan# 118
 Delta R.T. 0.100 min
 Lab File: BF141884.D
 Acq: 07 Mar 2025 09:55

Tgt Ion: 88 Resp: 173526
 Ion Ratio Lower Upper
 88 100
 58 73.7 63.9 95.9
 43 28.6 23.0 34.6





#3

Pyridine

Concen: 32.718 ng

RT: 3.540 min Scan# 246

Delta R.T. 0.088 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

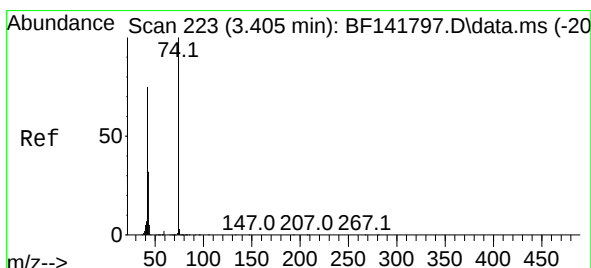
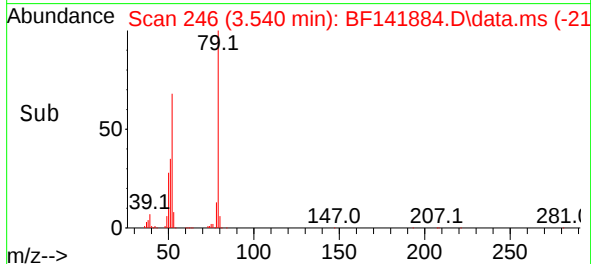
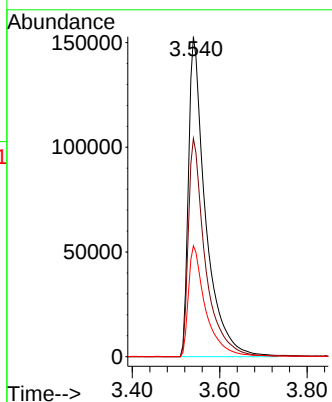
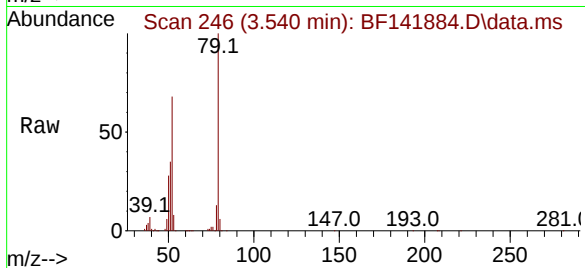
Tgt Ion: 79 Resp: 415150

Ion Ratio Lower Upper

79 100

52 68.2 59.0 88.4

51 34.6 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 34.922 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.076 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

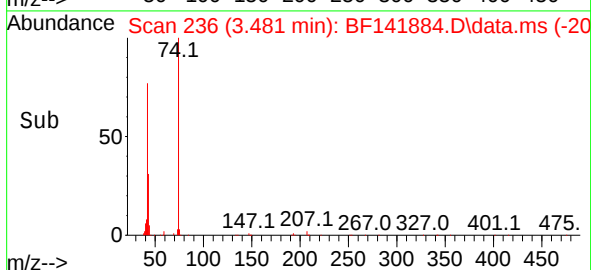
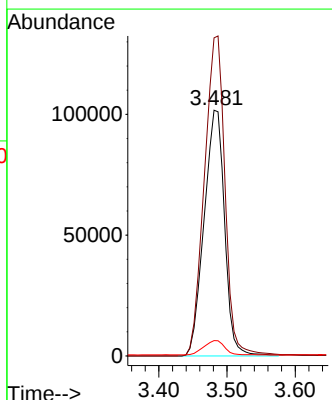
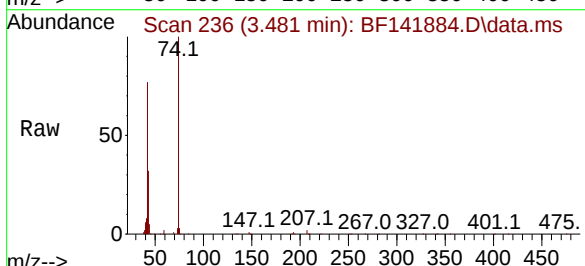
Tgt Ion: 42 Resp: 213211

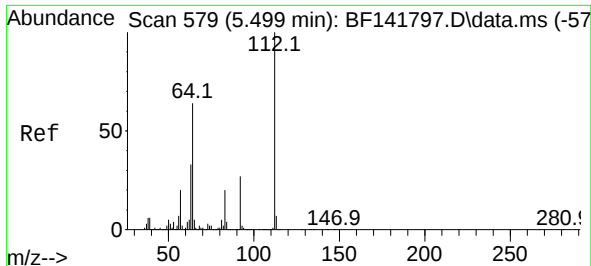
Ion Ratio Lower Upper

42 100

74 129.4 107.1 160.7

44 6.3 6.6 9.8

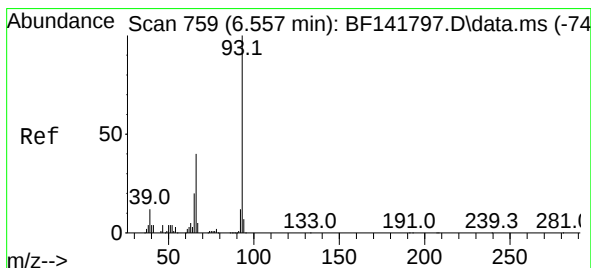
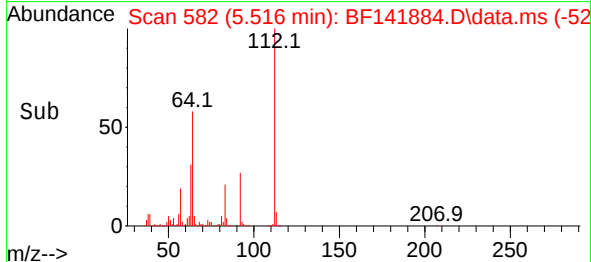
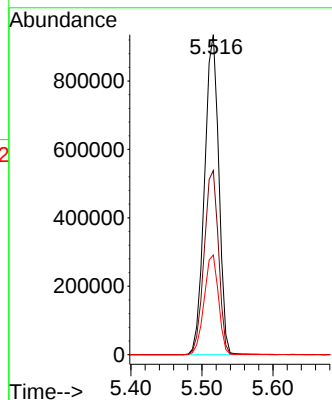
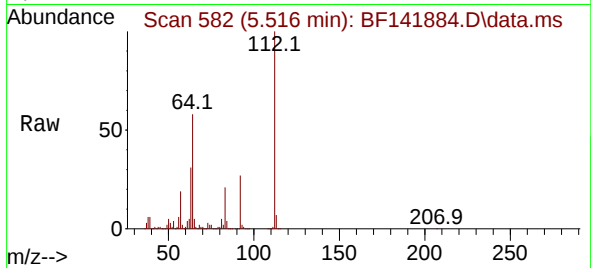




#5
2-Fluorophenol
Concen: 116.567 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

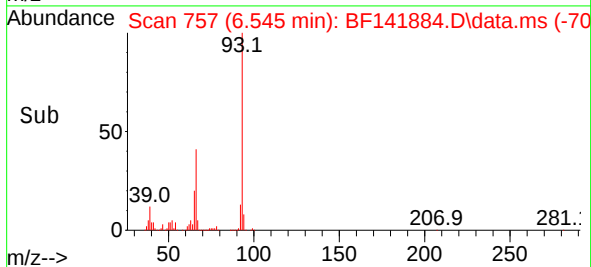
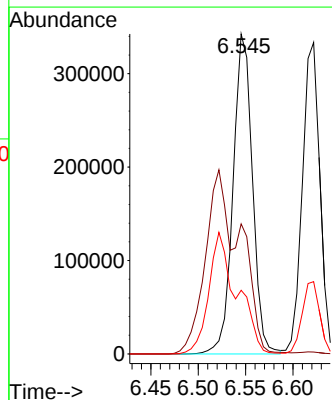
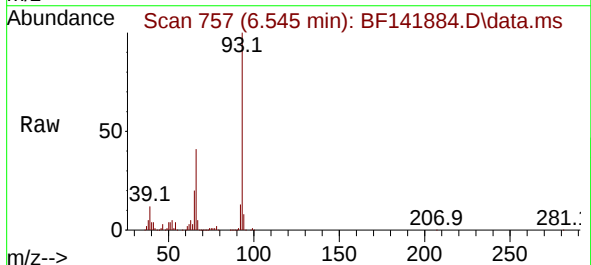
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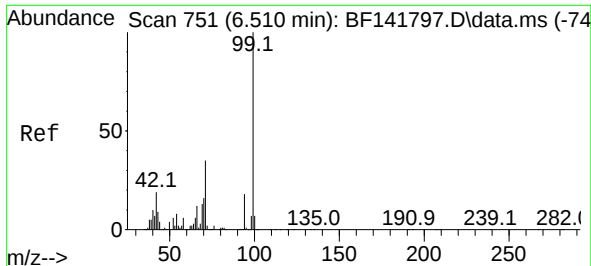
Tgt Ion:112 Resp: 1310141
Ion Ratio Lower Upper
112 100
64 57.5 51.3 76.9
63 31.1 26.2 39.4



#6
Aniline
Concen: 32.058 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 93 Resp: 487563
Ion Ratio Lower Upper
93 100
66 40.7 32.3 48.5
65 19.9 15.9 23.9

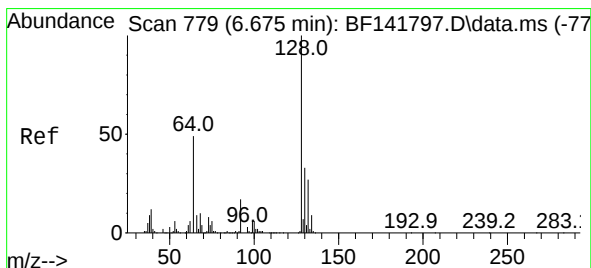
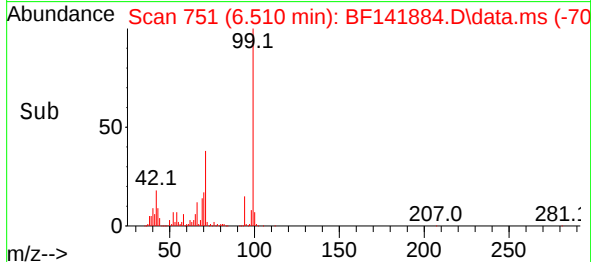
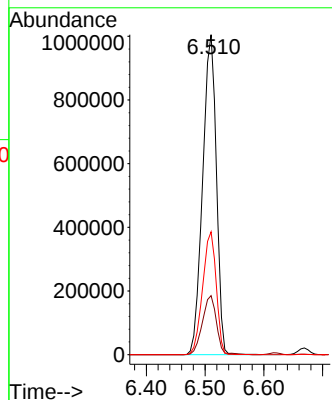
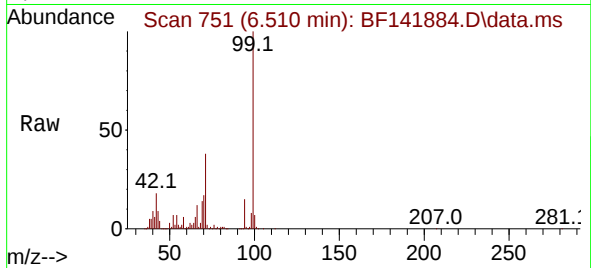




#7
Phenol-d6
Concen: 111.280 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

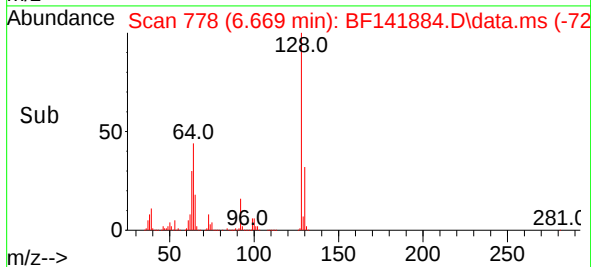
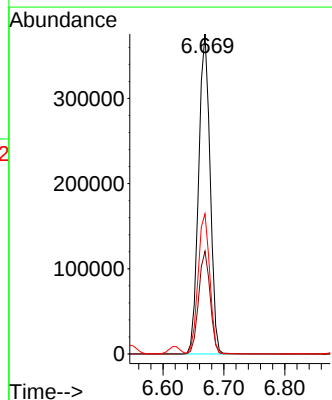
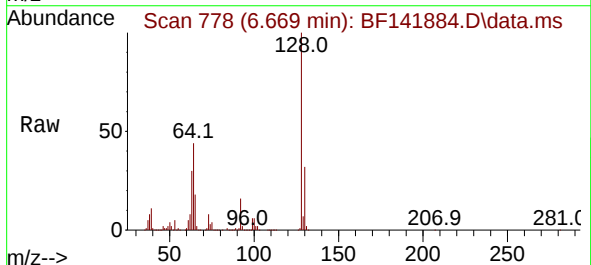
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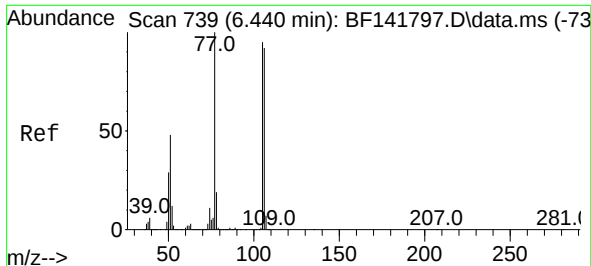
Tgt Ion: 99 Resp: 1627919
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 38.4 28.2 42.2



#8
2-Chlorophenol
Concen: 40.425 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:128 Resp: 491496
Ion Ratio Lower Upper
128 100
130 32.1 12.6 52.6
64 43.8 31.1 71.1

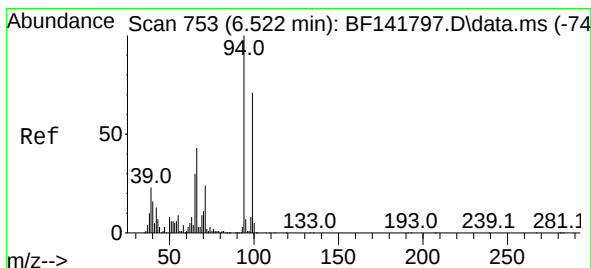
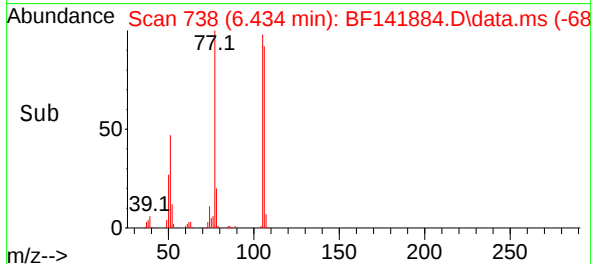
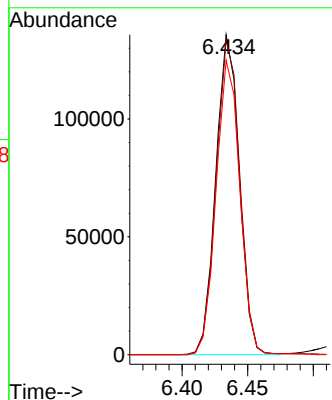
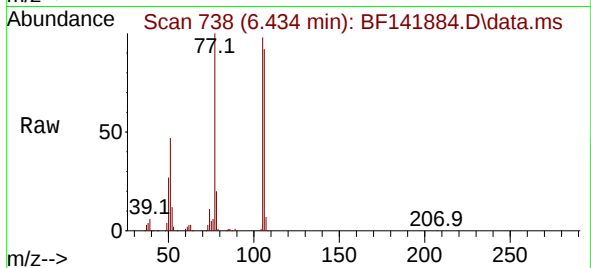




#9
Benzaldehyde
Concen: 19.878 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

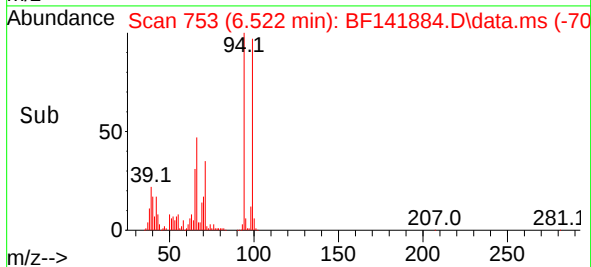
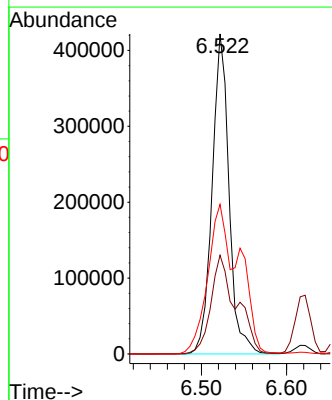
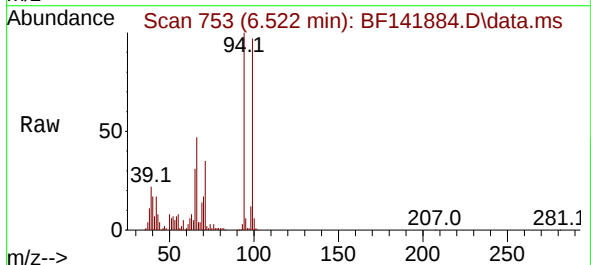
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ClientSampleId :
PB167016BS

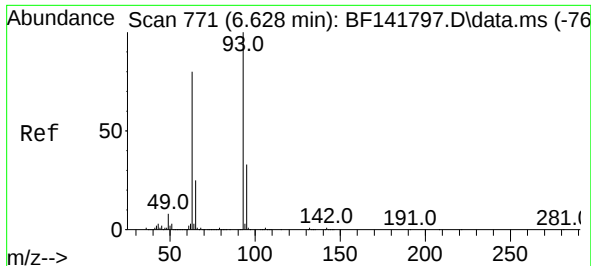
Tgt Ion: 77 Resp: 169153
Ion Ratio Lower Upper
77 100
105 98.3 75.3 115.3
106 92.0 72.3 112.3



#10
Phenol
Concen: 37.169 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 94 Resp: 581042
Ion Ratio Lower Upper
94 100
65 30.9 10.2 50.2
66 46.7 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 35.898 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

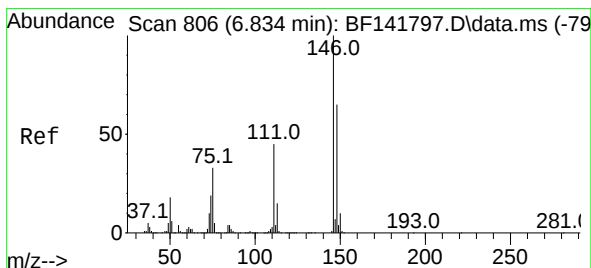
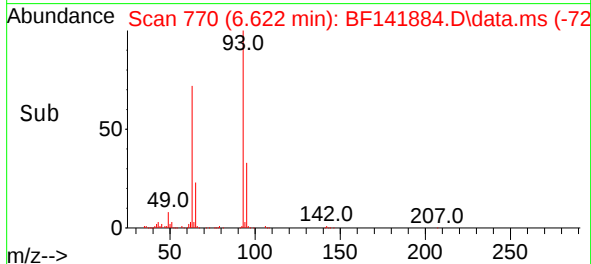
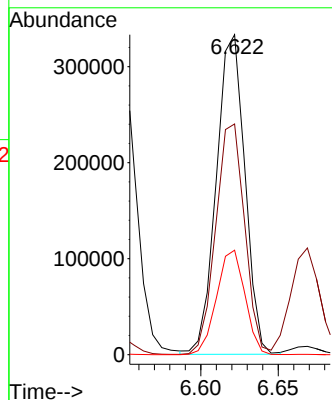
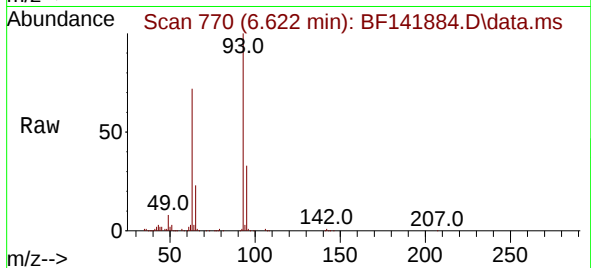
Tgt Ion: 93 Resp: 427761

Ion Ratio Lower Upper

93 100

63 72.1 59.3 99.3

95 32.6 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 38.890 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

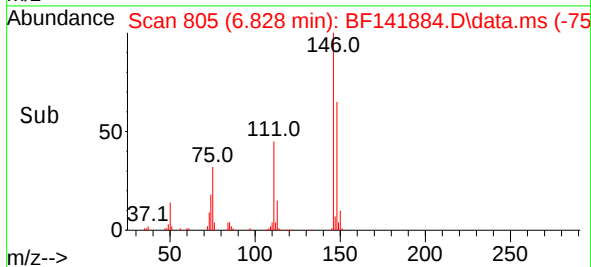
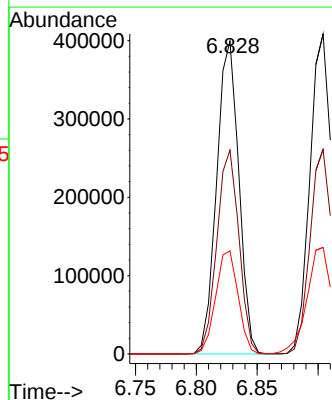
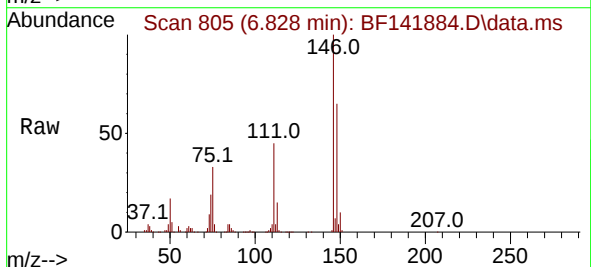
Tgt Ion:146 Resp: 506373

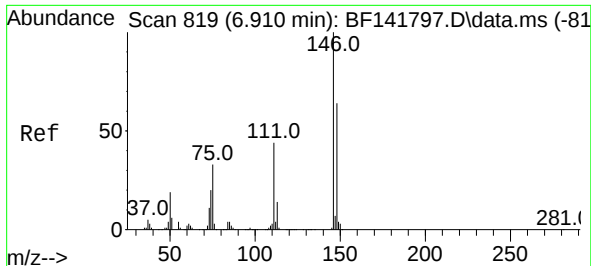
Ion Ratio Lower Upper

146 100

148 65.1 51.8 77.6

75 32.9 26.2 39.4

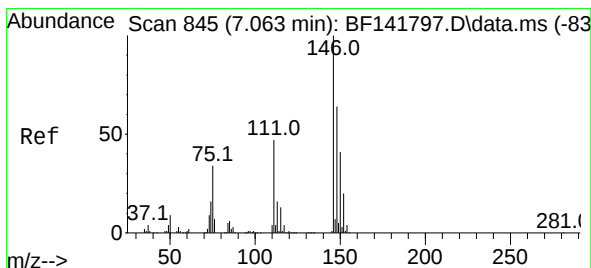
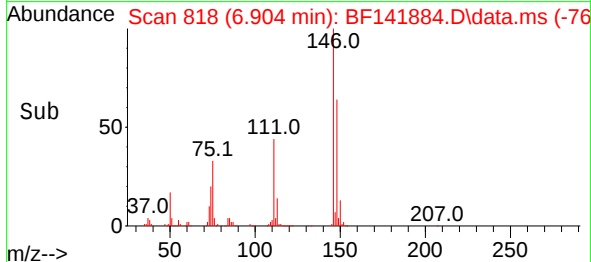
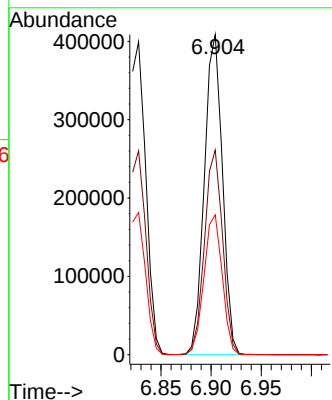
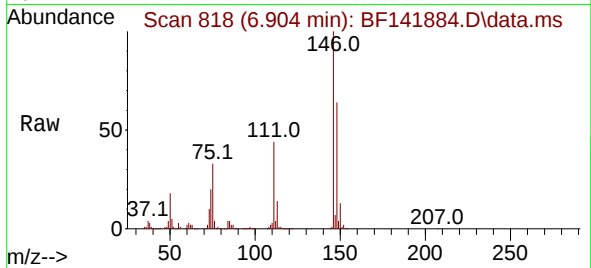




#13
1,4-Dichlorobenzene
Concen: 39.168 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

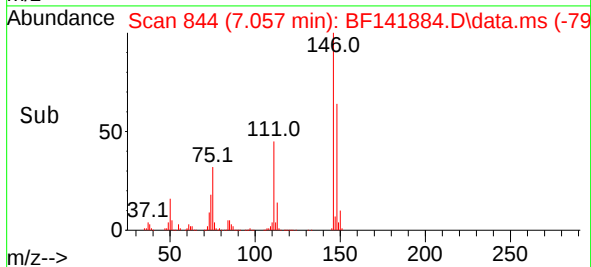
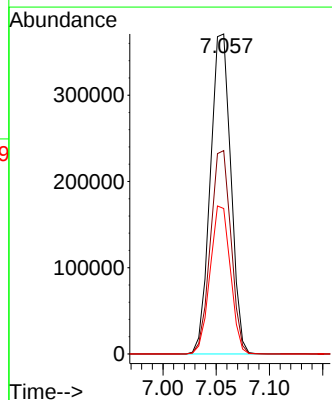
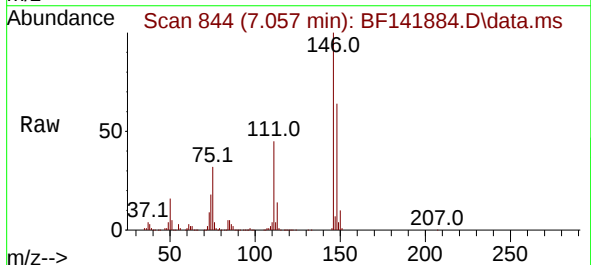
Instrument :
BNA_F
ClientSampleId :
PB167016BS

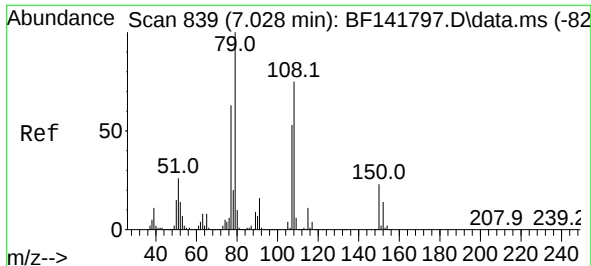
Tgt Ion:146 Resp: 513857
Ion Ratio Lower Upper
146 100
148 63.9 51.4 77.2
111 43.7 35.5 53.3



#14
1,2-Dichlorobenzene
Concen: 40.535 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:146 Resp: 496587
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
111 45.5 37.8 56.6





#15

Benzyl Alcohol

Concen: 36.707 ng

RT: 7.022 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

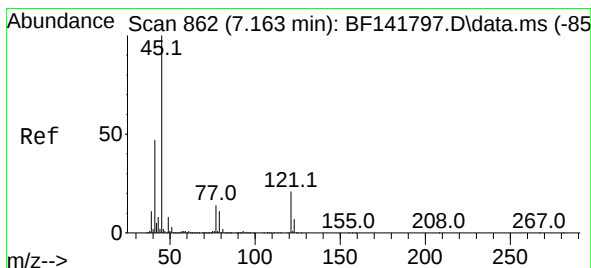
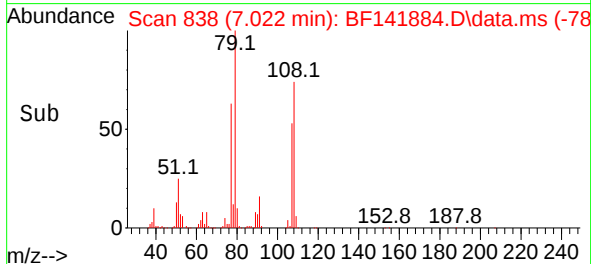
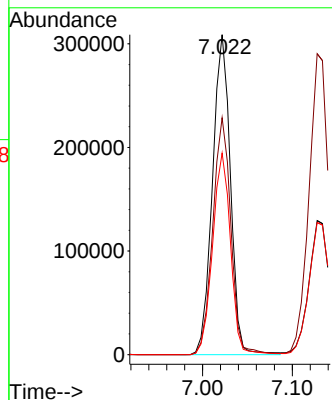
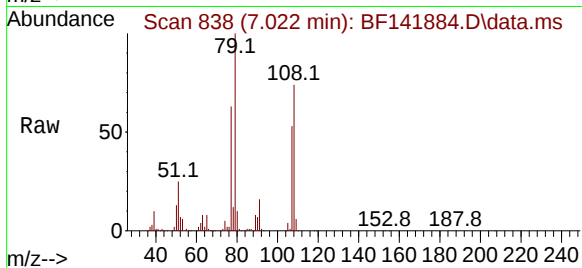
Tgt Ion: 79 Resp: 429158

Ion Ratio Lower Upper

79 100

108 74.0 60.2 90.2

77 63.0 50.2 75.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 28.766 ng

RT: 7.157 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

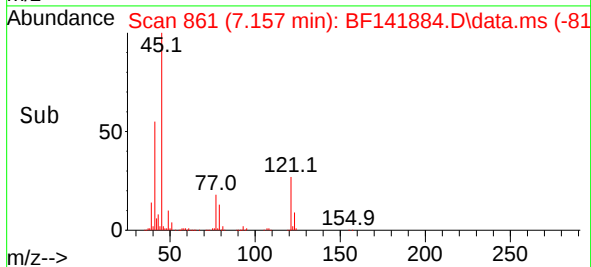
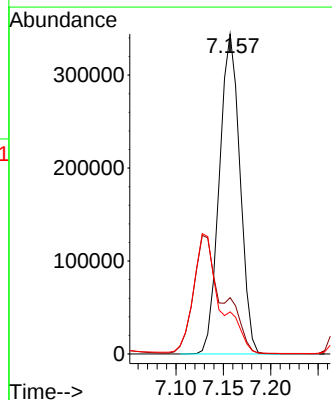
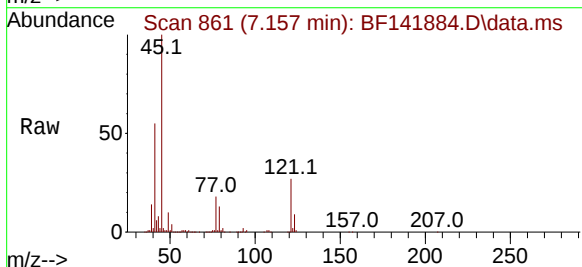
Tgt Ion: 45 Resp: 520569

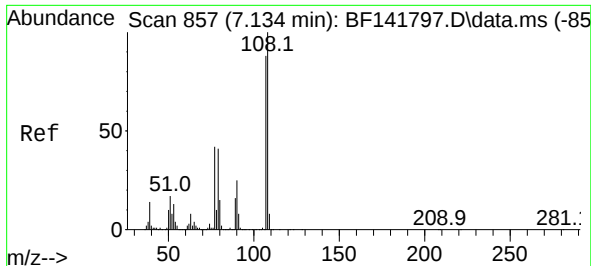
Ion Ratio Lower Upper

45 100

77 17.6 0.0 34.4

79 13.2 0.0 30.9

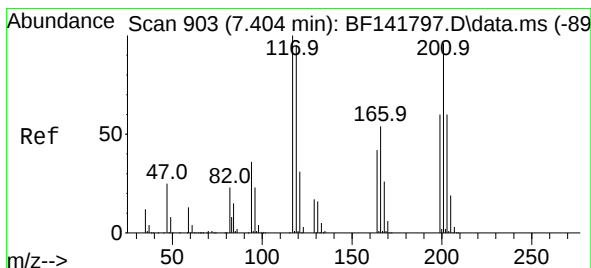
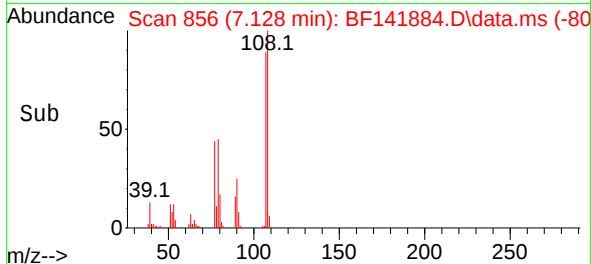
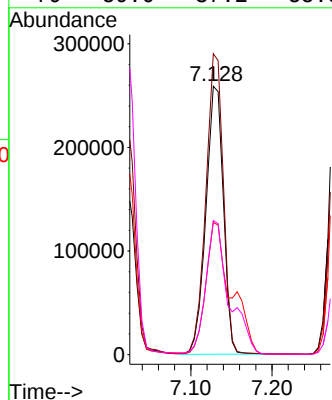
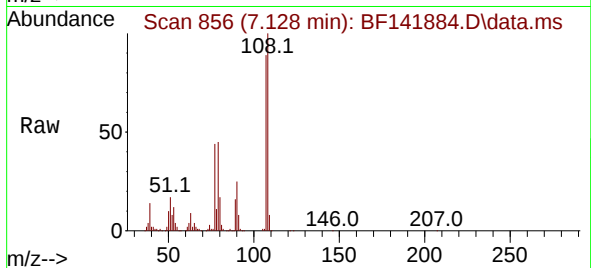




#17
2-Methylphenol
Concen: 38.525 ng
RT: 7.128 min Scan# 857
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

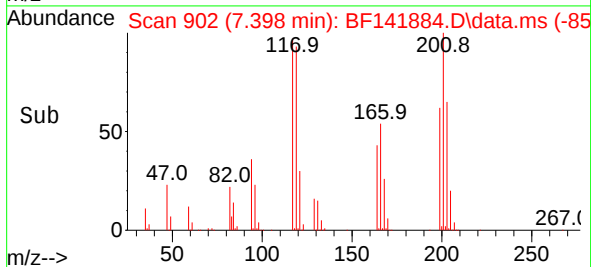
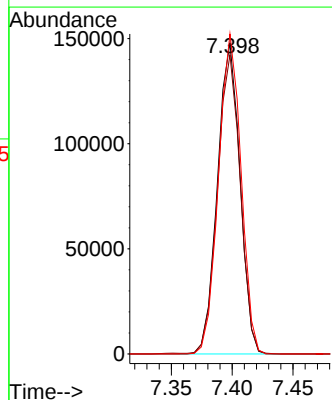
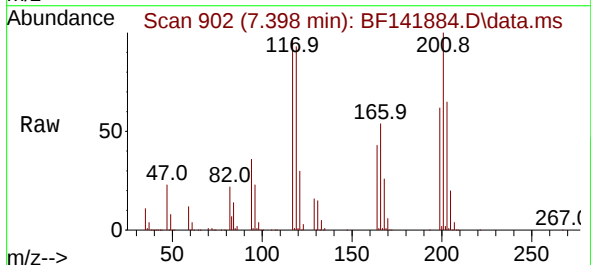
Instrument :
BNA_F
ClientSampleId :
PB167016BS

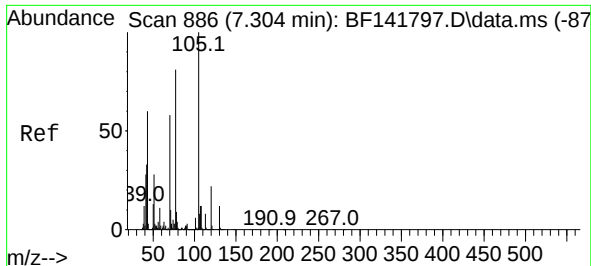
Tgt Ion:107 Resp: 386629
Ion Ratio Lower Upper
107 100
108 112.1 90.6 135.8
77 49.2 37.7 56.5
79 50.0 37.2 55.8



#18
Hexachloroethane
Concen: 38.870 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:117 Resp: 190868
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8
201 102.9 76.7 115.1

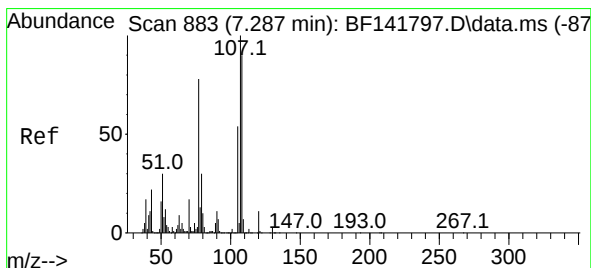
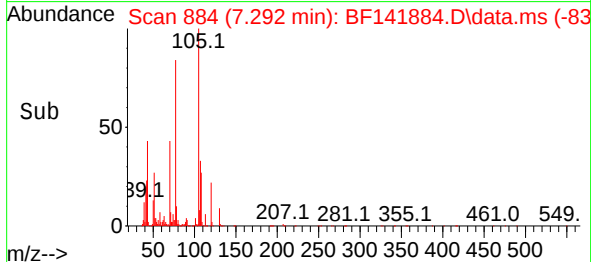
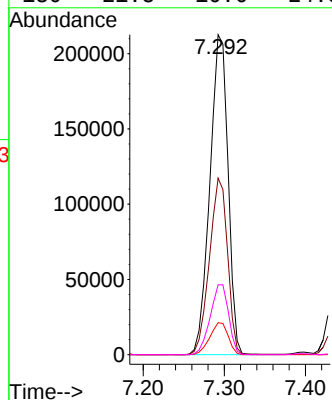
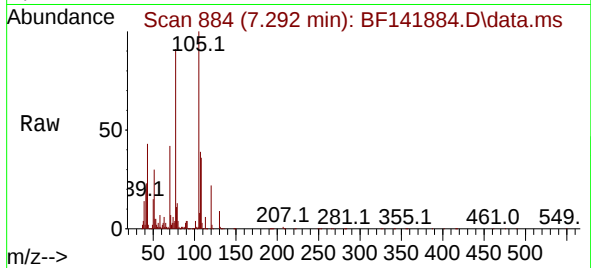




#19
n-Nitroso-di-n-propylamine
Concen: 34.318 ng
RT: 7.292 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

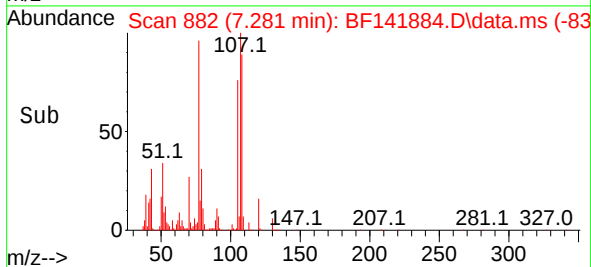
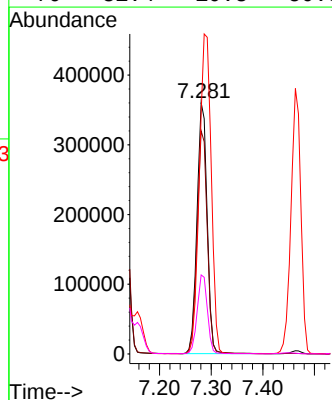
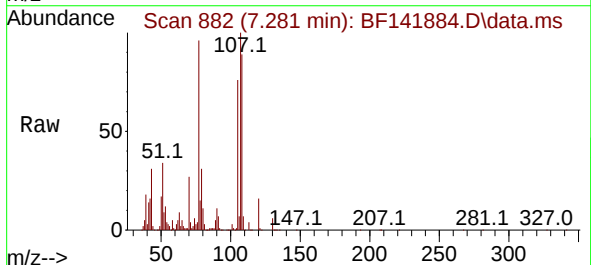
Instrument :
BNA_F
ClientSampleId :
PB167016BS

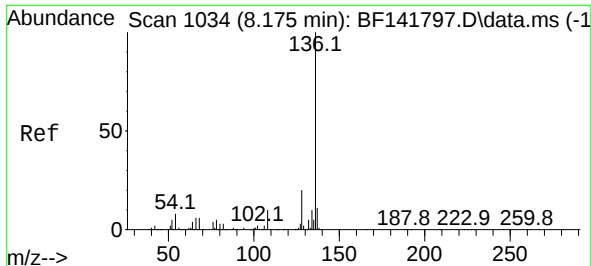
Tgt Ion: 70 Resp: 330021
Ion Ratio Lower Upper
70 100
42 55.2 45.4 68.0
101 10.0 7.8 11.8
130 21.8 16.6 24.8



#20
3+4-Methylphenols
Concen: 39.182 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:107 Resp: 489645
Ion Ratio Lower Upper
107 100
108 88.7 69.7 109.7
77 95.8 58.3 98.3
79 31.4 10.3 50.3



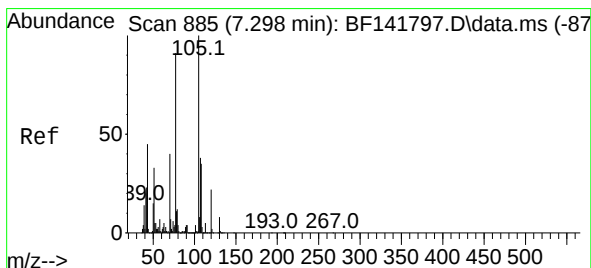
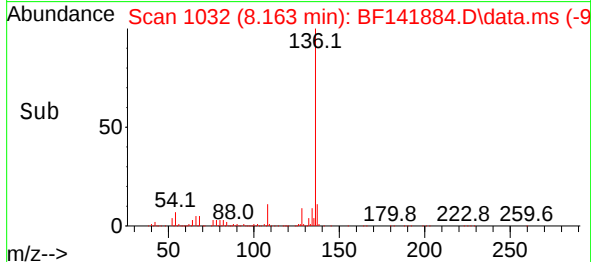
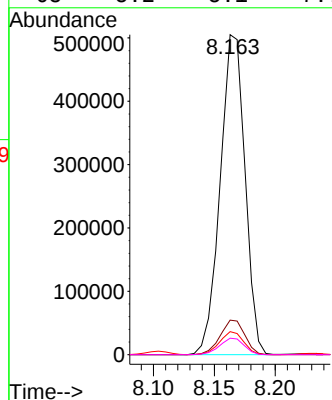
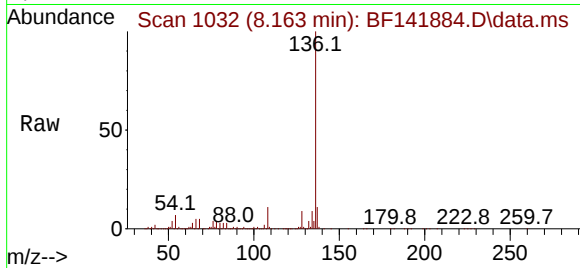


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Instrument :
BNA_F
ClientSampleId :
PB167016BS

Tgt Ion:136 Resp: 716894

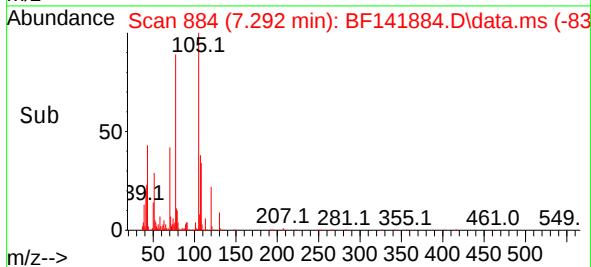
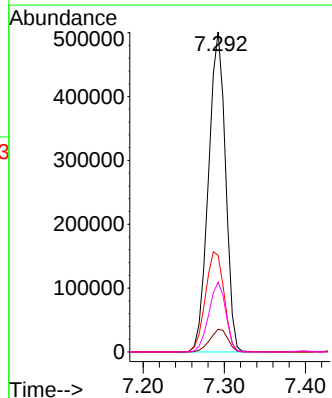
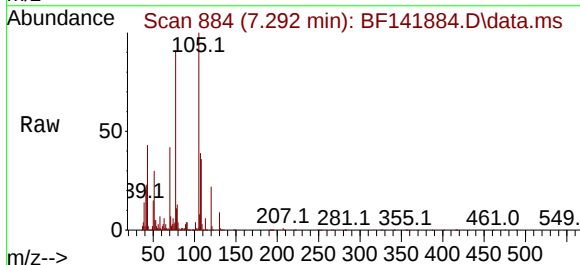
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.2	6.9	10.3
68	5.2	5.1	7.7

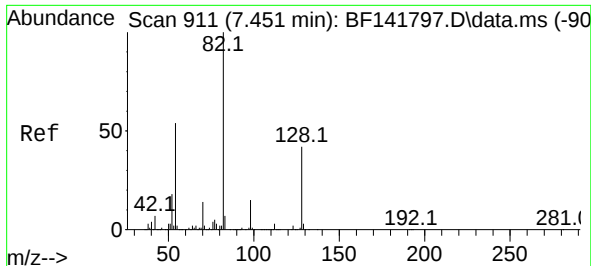


#22
Acetophenone
Concen: 41.745 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:105 Resp: 728876

Ion	Ratio	Lower	Upper
105	100		
71	7.1	5.4	8.0
51	30.2	26.1	39.1
120	21.8	17.5	26.3





#23

Nitrobenzene-d5

Concen: 96.501 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

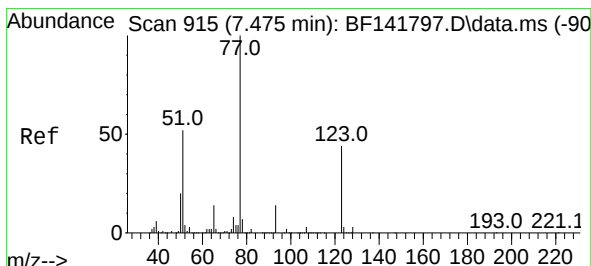
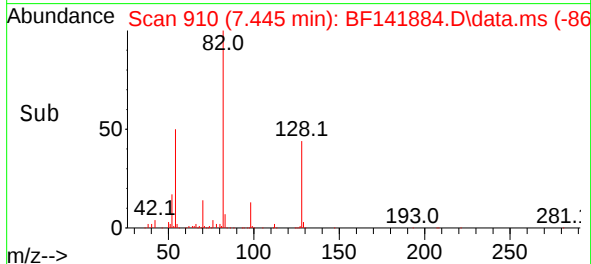
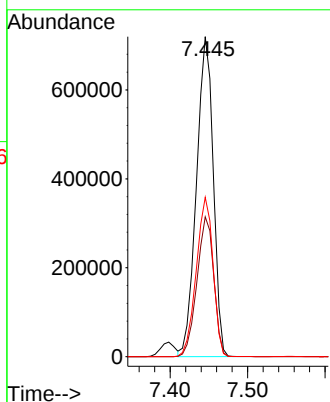
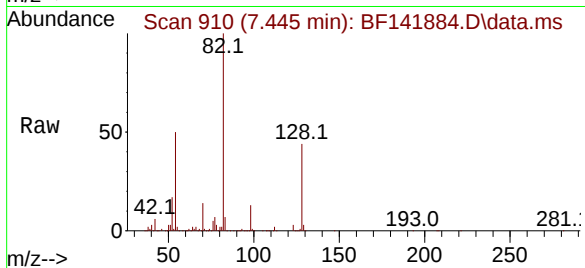
BNA_F

ClientSampleId :

PB167016BS

Tgt Ion: 82 Resp: 1082308

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.5	50.3
54	49.8	42.7	64.1



#24

Nitrobenzene

Concen: 41.986 ng

RT: 7.463 min Scan# 913

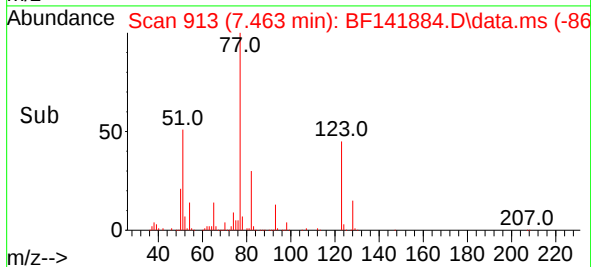
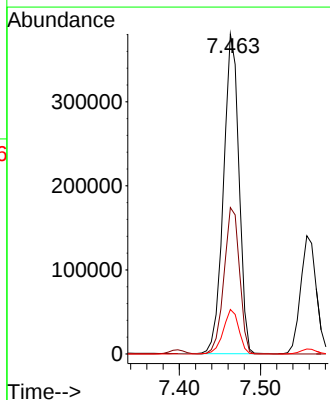
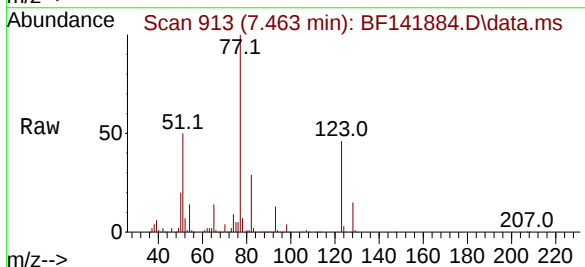
Delta R.T. -0.012 min

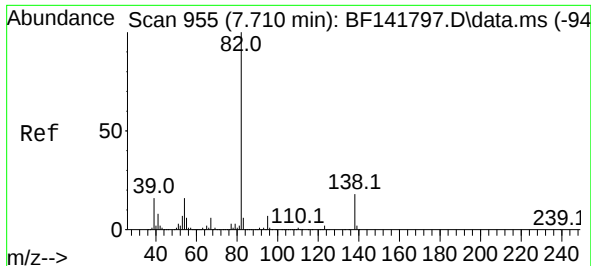
Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Tgt Ion: 77 Resp: 504262

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.8	53.8
65	13.9	11.2	16.8

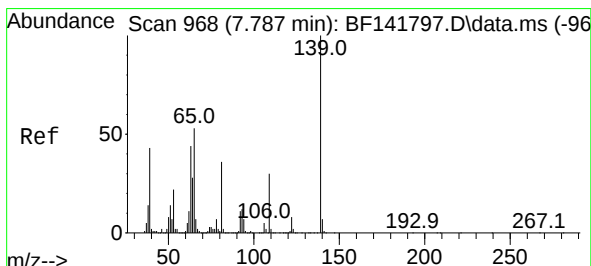
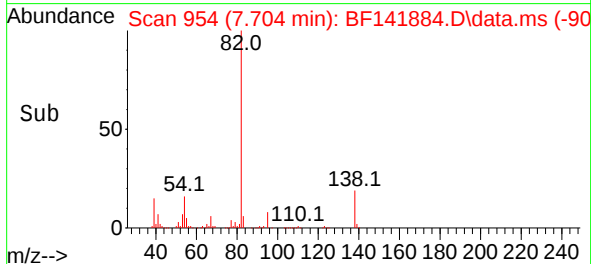
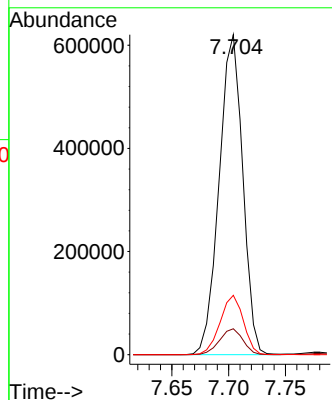
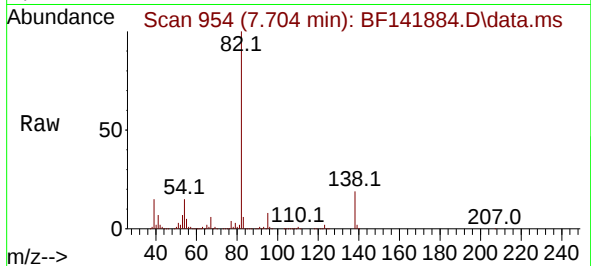




#25
Isophorone
Concen: 37.241 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

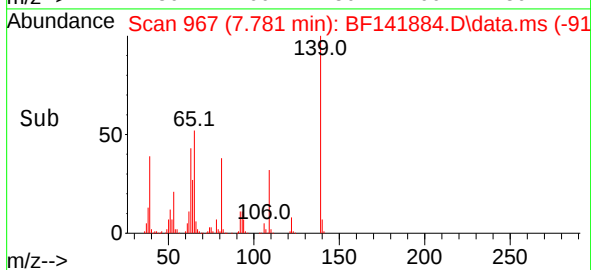
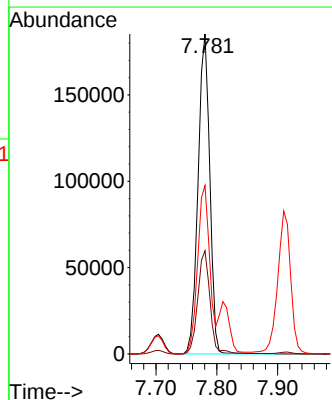
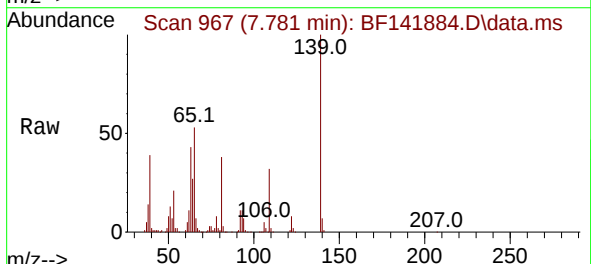
Instrument :
BNA_F
ClientSampleId :
PB167016BS

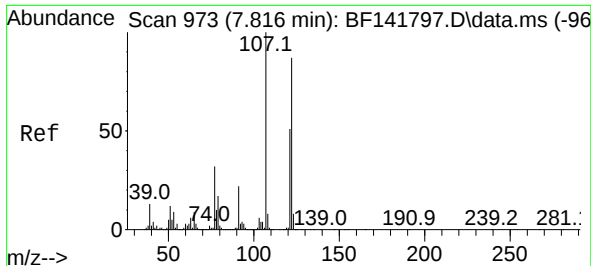
Tgt Ion: 82 Resp: 897317
Ion Ratio Lower Upper
82 100
95 8.1 5.8 8.8
138 18.6 14.0 21.0



#26
2-Nitrophenol
Concen: 46.398 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:139 Resp: 248030
Ion Ratio Lower Upper
139 100
109 32.3 24.1 36.1
65 52.7 42.3 63.5

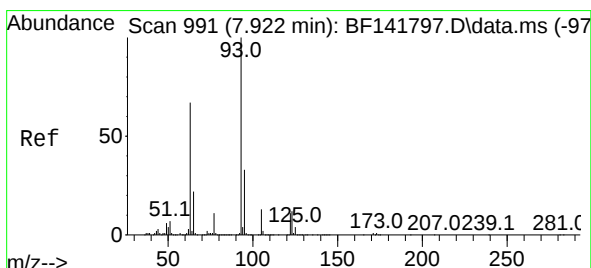
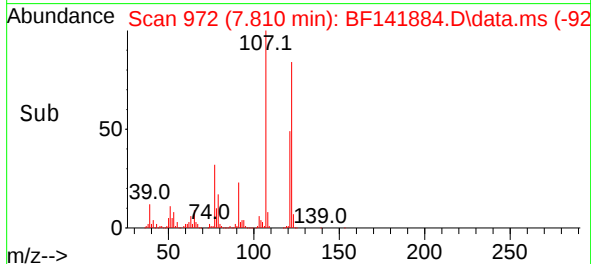
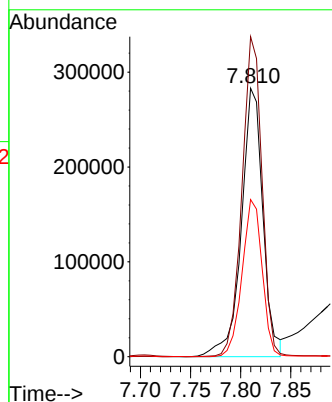
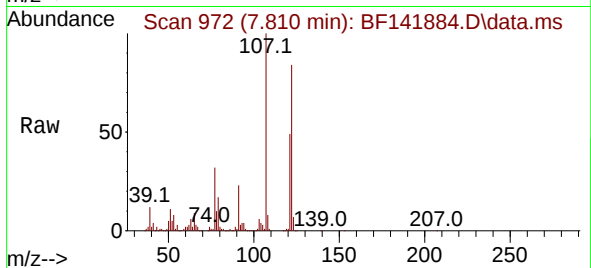




#27
2,4-Dimethylphenol
Concen: 47.806 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

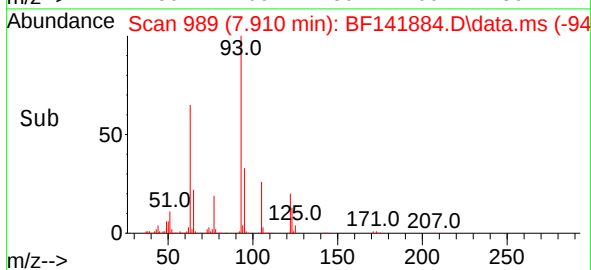
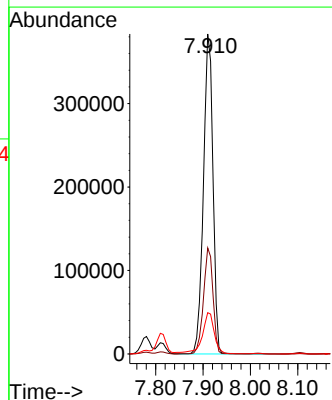
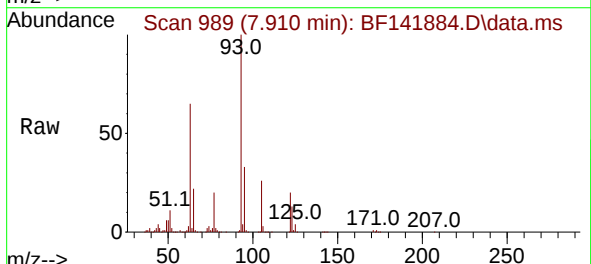
Instrument :
BNA_F
ClientSampleId :
PB167016BS

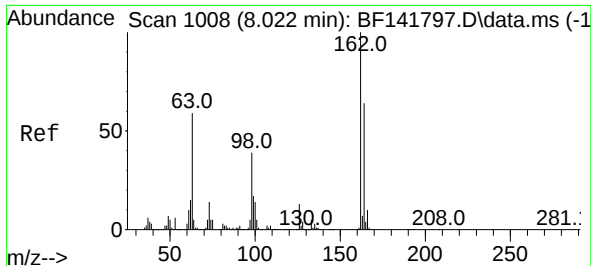
Tgt Ion:122 Resp: 423423
Ion Ratio Lower Upper
122 100
107 119.2 92.5 138.7
121 58.5 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 34.910 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion: 93 Resp: 536568
Ion Ratio Lower Upper
93 100
95 33.1 26.5 39.7
123 12.9 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 40.120 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

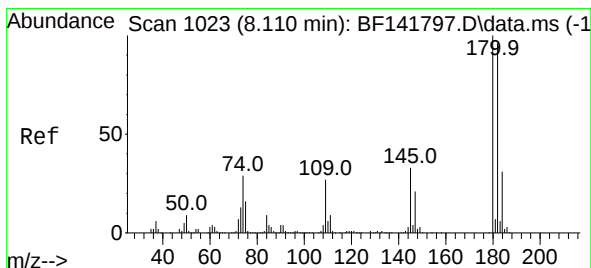
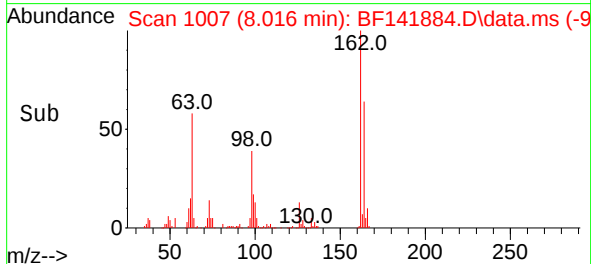
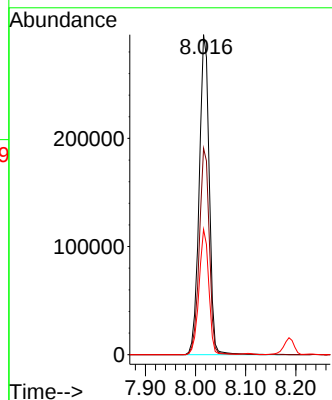
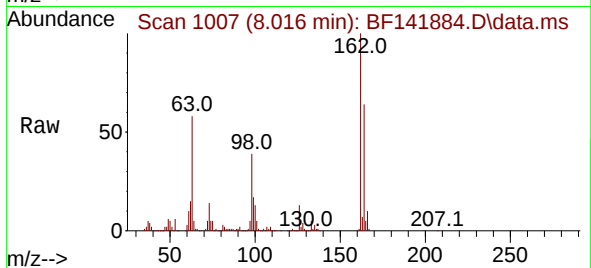
Tgt Ion:162 Resp: 409936

Ion Ratio Lower Upper

162 100

164 64.5 44.3 84.3

98 39.1 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 39.097 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

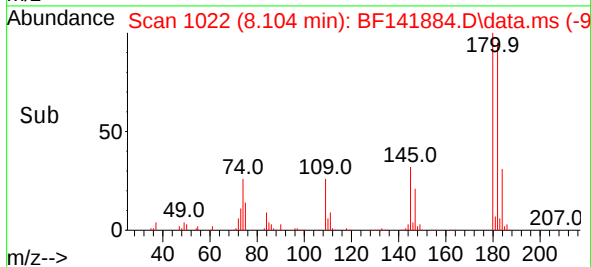
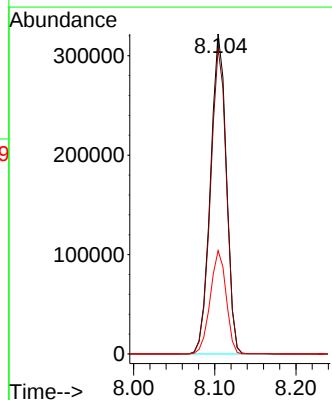
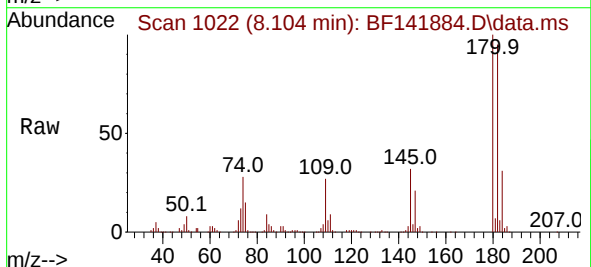
Tgt Ion:180 Resp: 437747

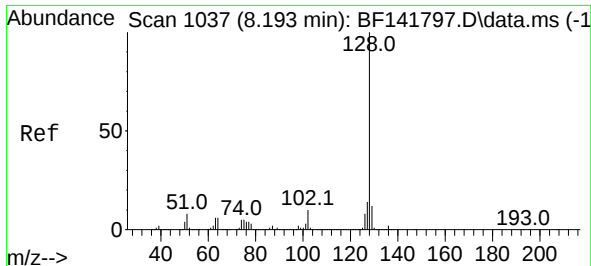
Ion Ratio Lower Upper

180 100

182 95.5 76.8 115.2

145 32.3 26.4 39.6

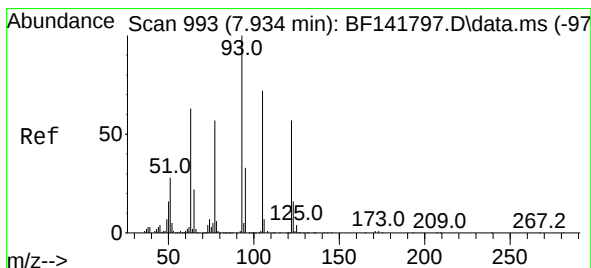
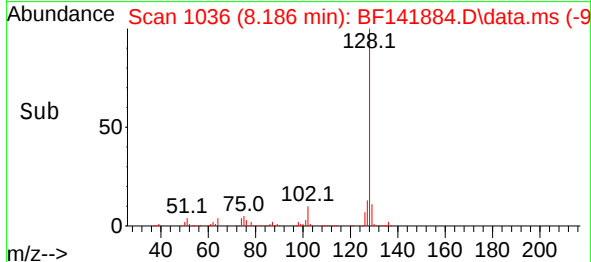
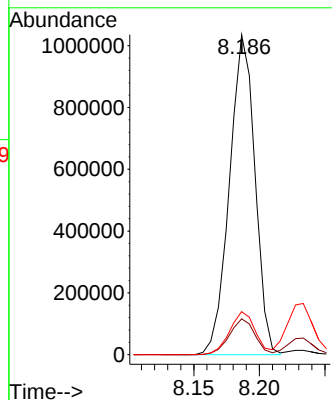
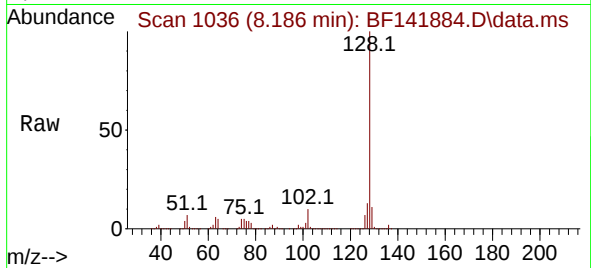




#31
Naphthalene
Concen: 38.021 ng
RT: 8.186 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

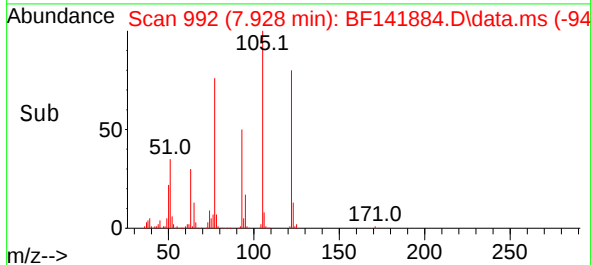
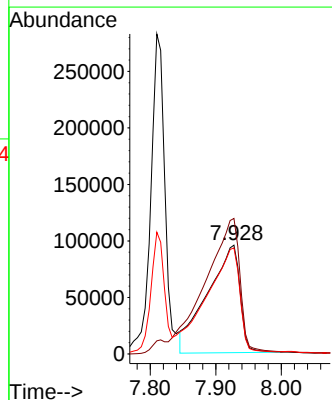
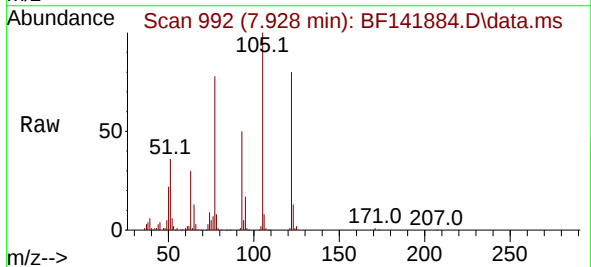
Instrument :
BNA_F
ClientSampleId :
PB167016BS

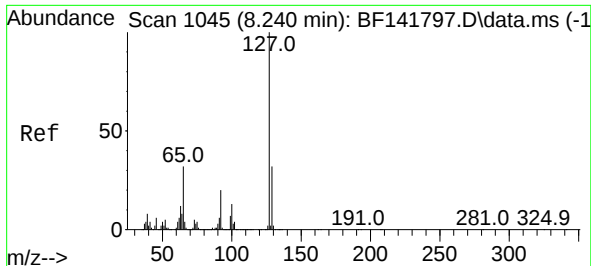
Tgt Ion:128 Resp: 1400891
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.4 11.0 16.4



#32
Benzoic acid
Concen: 44.967 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:122 Resp: 328141
Ion Ratio Lower Upper
122 100
105 124.7 105.8 145.8
77 97.5 79.9 119.9





#33

4-Chloroaniline

Concen: 18.204 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:127 Resp: 245936

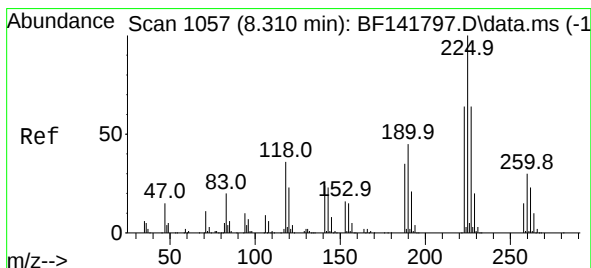
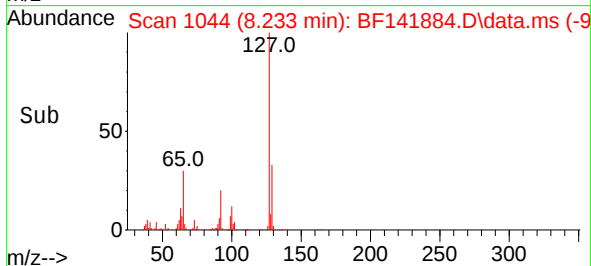
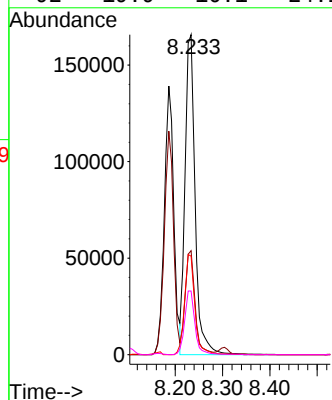
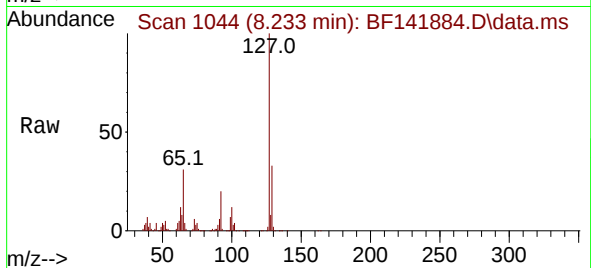
Ion Ratio Lower Upper

127 100

129 32.5 26.1 39.1

65 30.8 25.7 38.5

92 19.9 16.1 24.1



#34

Hexachlorobutadiene

Concen: 41.529 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

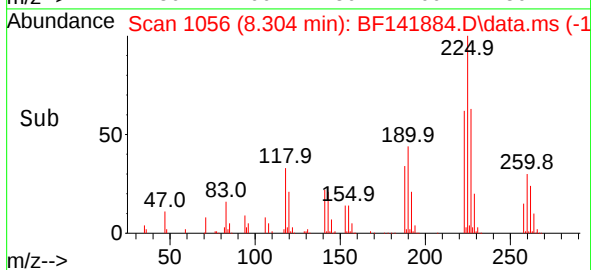
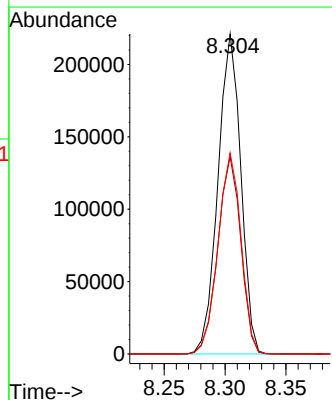
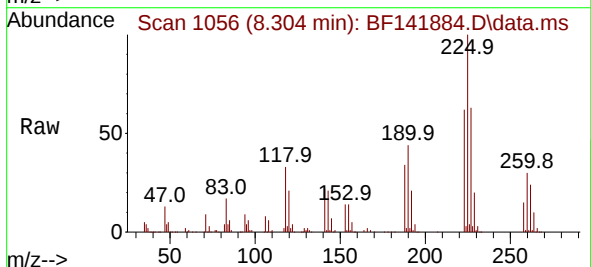
Tgt Ion:225 Resp: 288945

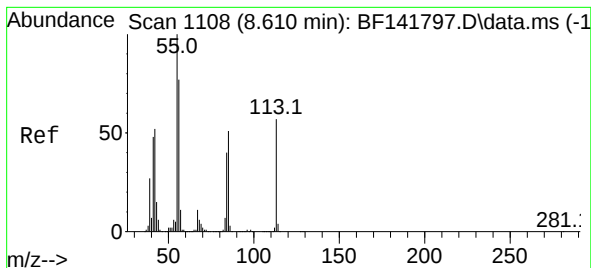
Ion Ratio Lower Upper

225 100

223 61.6 51.4 77.2

227 62.9 51.6 77.4





#35

Caprolactam

Concen: 28.457 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

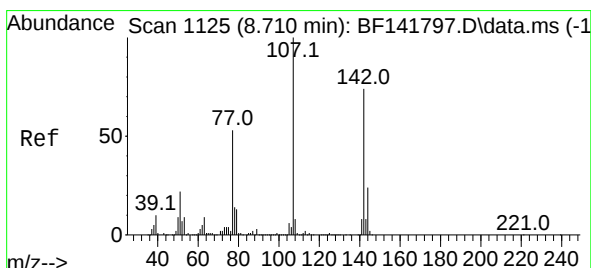
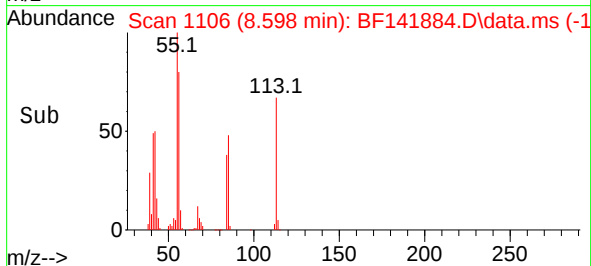
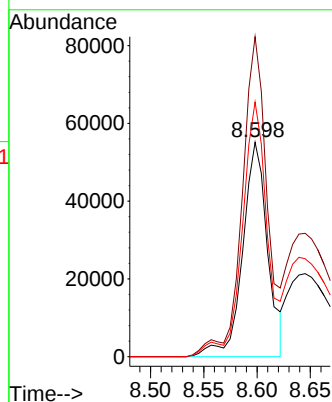
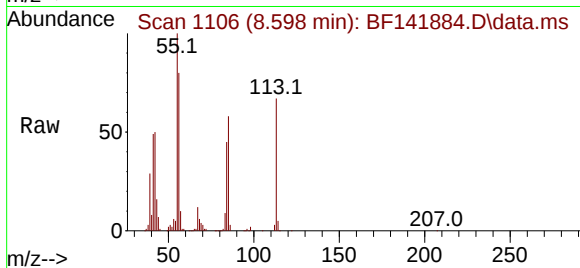
Tgt Ion:113 Resp: 89451

Ion Ratio Lower Upper

113 100

55 149.3 155.6 195.6#

56 118.8 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 40.419 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

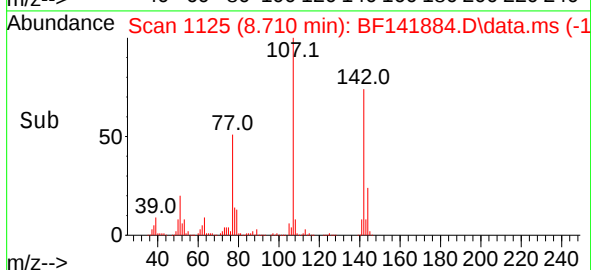
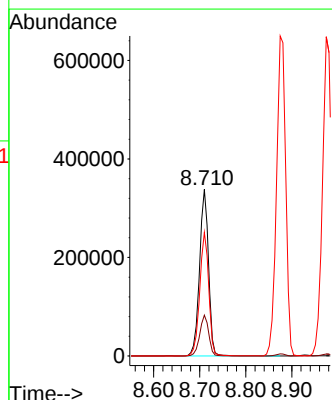
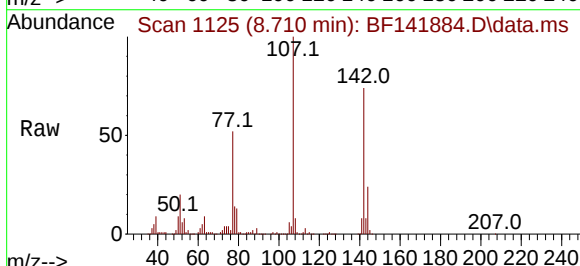
Tgt Ion:107 Resp: 458784

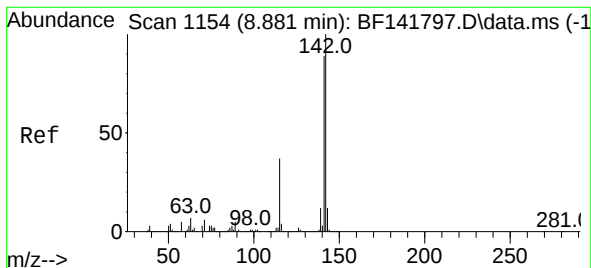
Ion Ratio Lower Upper

107 100

144 24.5 19.4 29.0

142 74.2 59.4 89.0





#37

2-Methylnaphthalene

Concen: 37.299 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

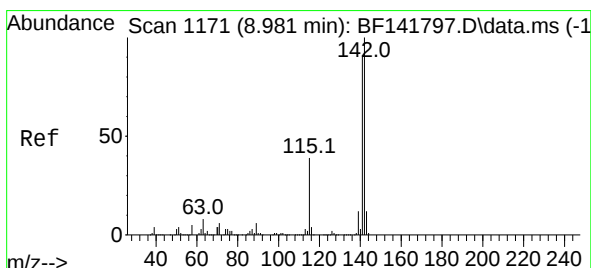
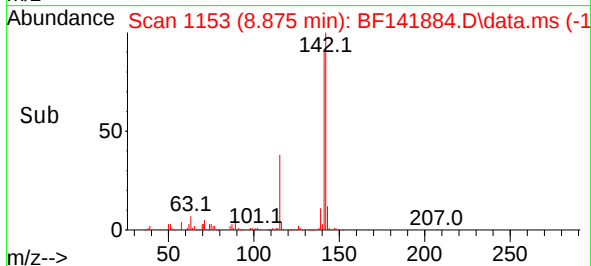
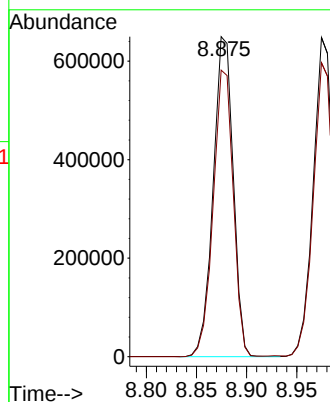
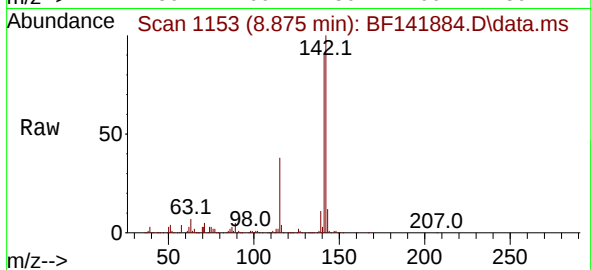
PB167016BS

Tgt Ion:142 Resp: 901415

Ion Ratio Lower Upper

142 100

141 89.5 71.1 106.7



#38

1-Methylnaphthalene

Concen: 38.109 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF141884.D

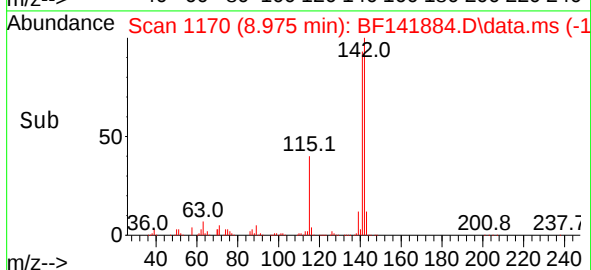
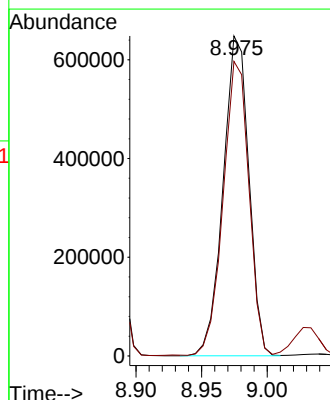
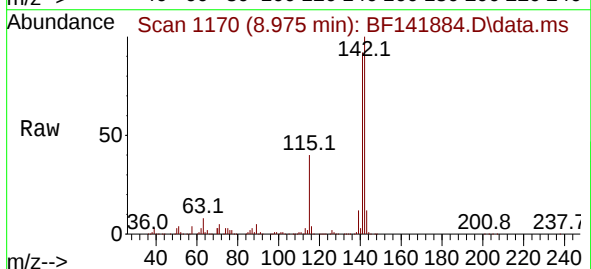
Acq: 07 Mar 2025 09:55

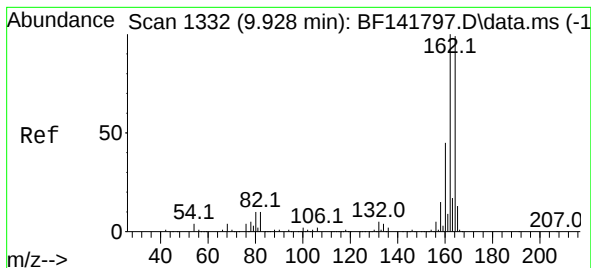
Tgt Ion:142 Resp: 883724

Ion Ratio Lower Upper

142 100

141 92.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141884.D

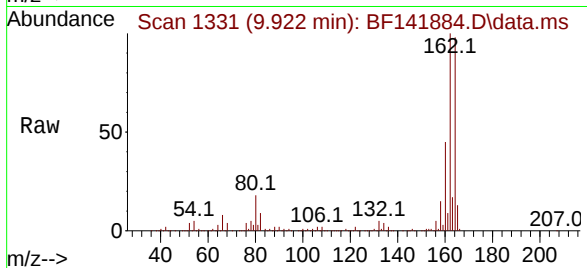
Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS



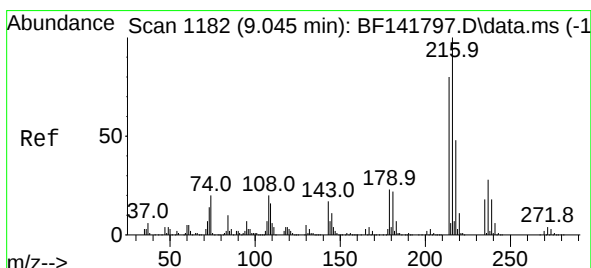
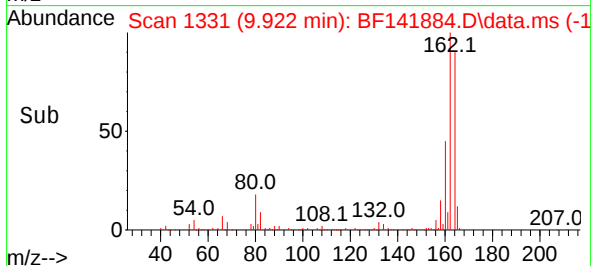
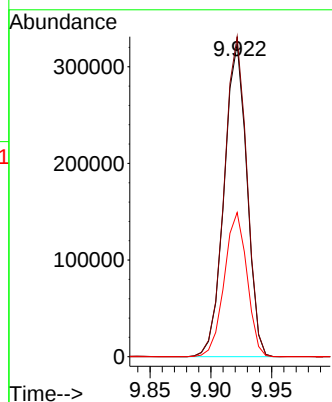
Tgt Ion:164 Resp: 419936

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

160 46.1 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.470 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Tgt Ion:216 Resp: 527217

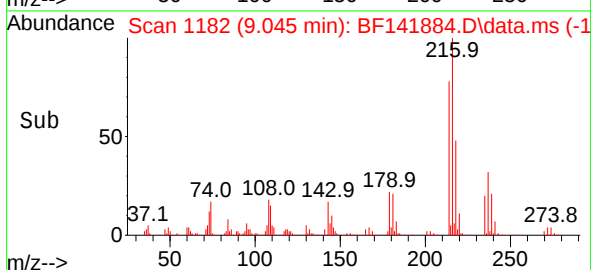
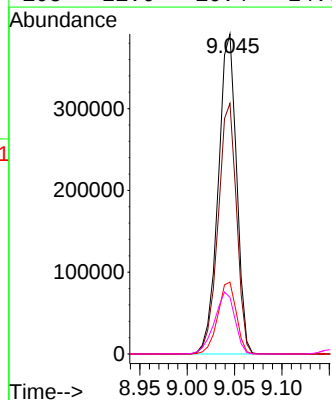
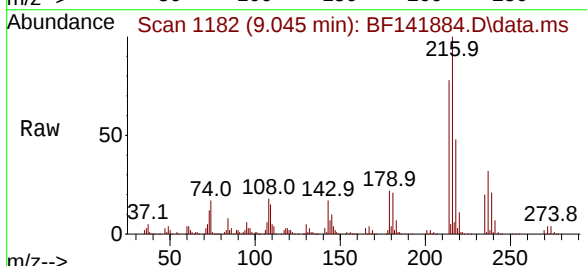
Ion Ratio Lower Upper

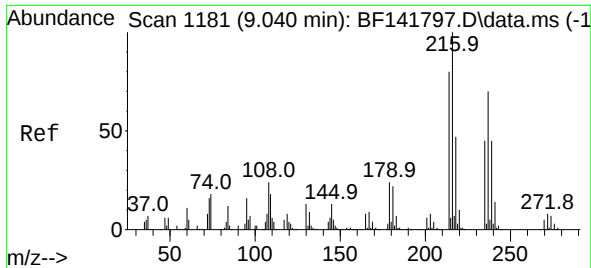
216 100

214 78.7 63.5 95.3

179 22.7 18.1 27.1

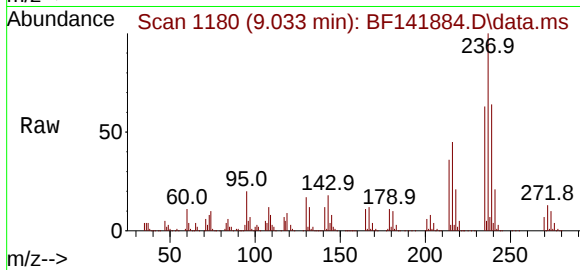
108 21.6 16.4 24.6



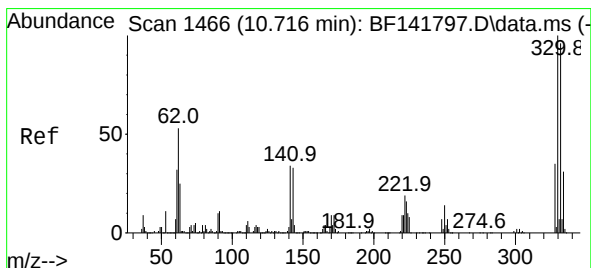
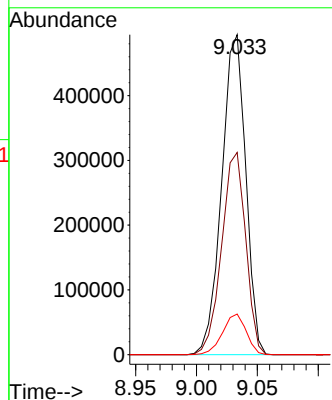
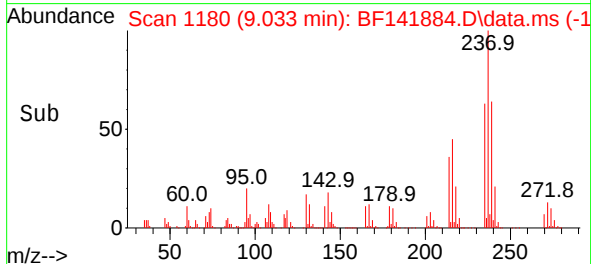


#41
Hexachlorocyclopentadiene
Concen: 134.228 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

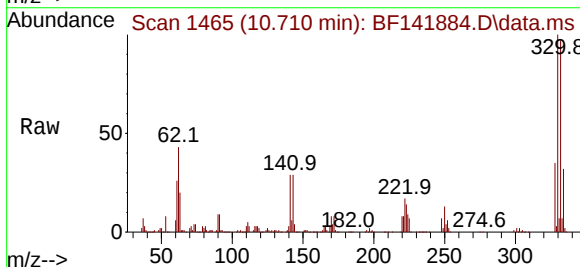
Instrument :
BNA_F
ClientSampleId :
PB167016BS



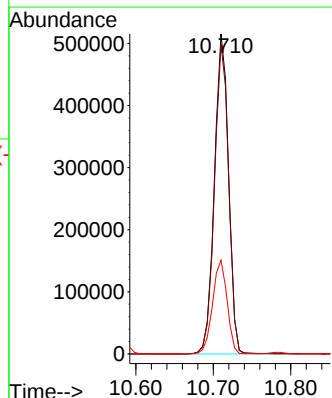
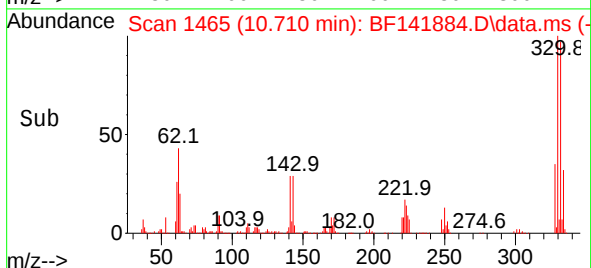
Tgt Ion:237 Resp: 679386
Ion Ratio Lower Upper
237 100
235 63.2 43.3 83.3
272 12.7 0.0 31.9

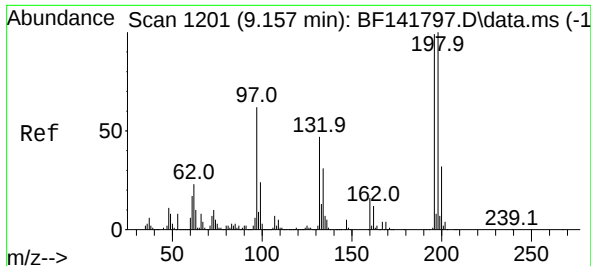


#42
2,4,6-Tribromophenol
Concen: 165.858 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



Tgt Ion:330 Resp: 653885
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 30.0 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 41.597 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

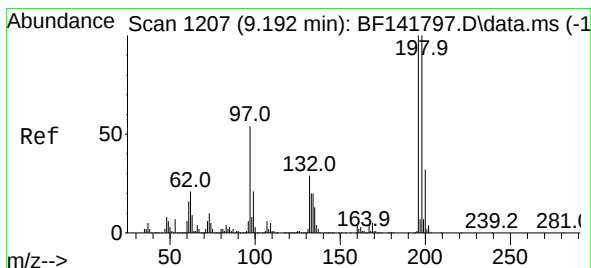
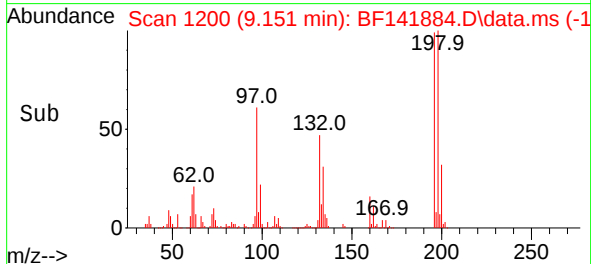
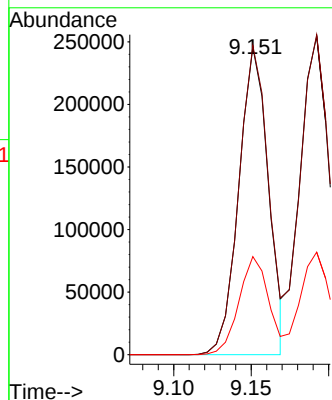
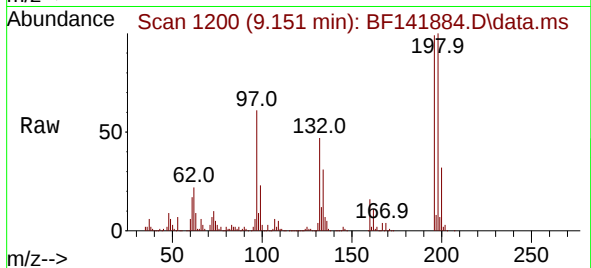
Tgt Ion:196 Resp: 325889

Ion Ratio Lower Upper

196 100

198 100.6 80.4 120.6

200 31.9 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 43.780 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Tgt Ion:196 Resp: 339634

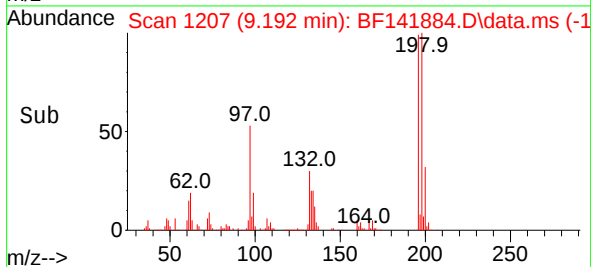
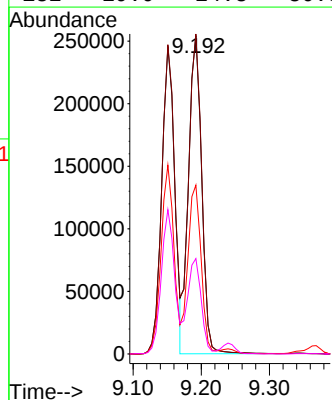
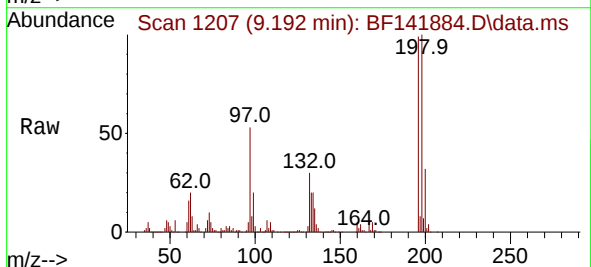
Ion Ratio Lower Upper

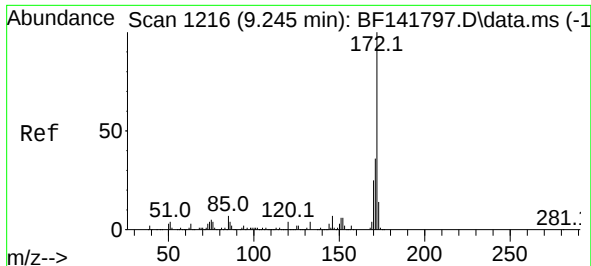
196 100

198 100.5 79.7 119.5

97 53.0 44.2 66.2

132 29.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 85.594 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

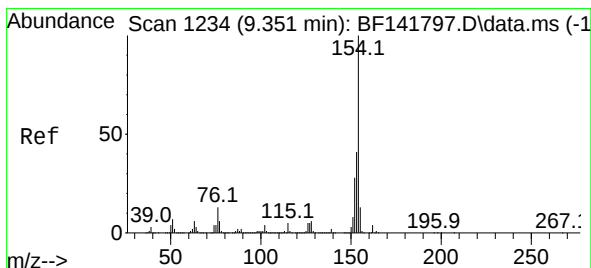
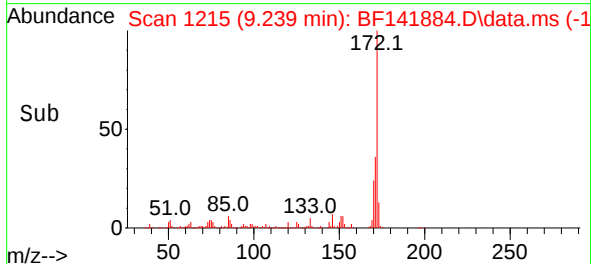
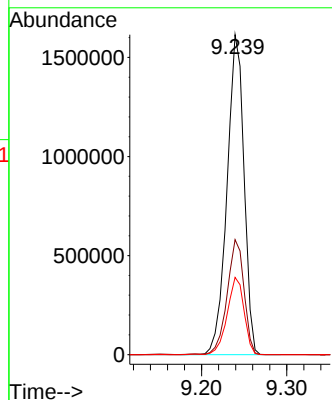
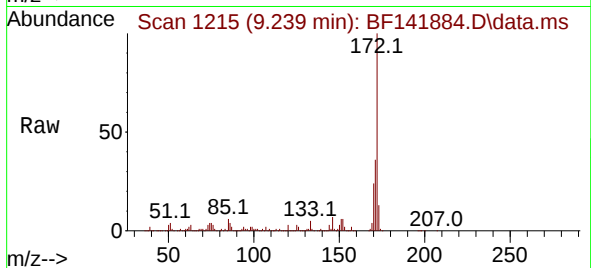
Tgt Ion:172 Resp: 2241666

Ion Ratio Lower Upper

172 100

171 36.0 29.2 43.8

170 24.2 19.7 29.5



#46

1,1'-Biphenyl

Concen: 42.212 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

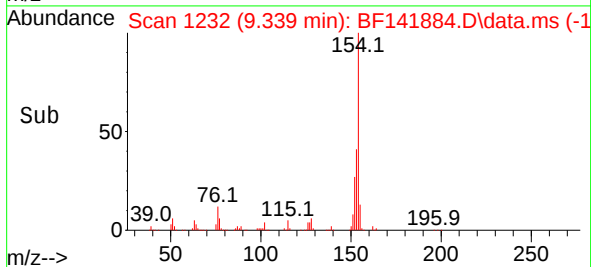
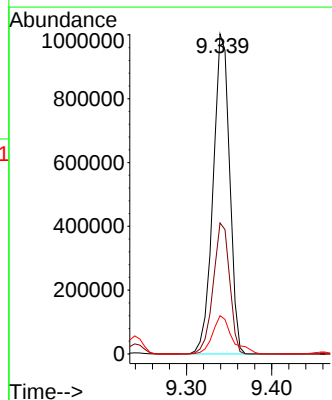
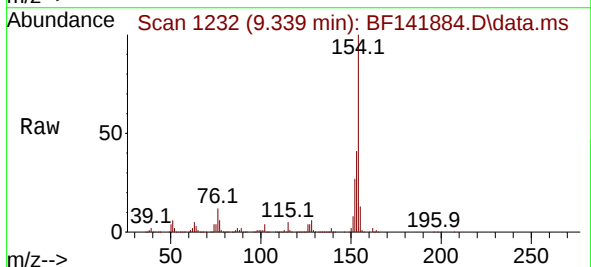
Tgt Ion:154 Resp: 1349271

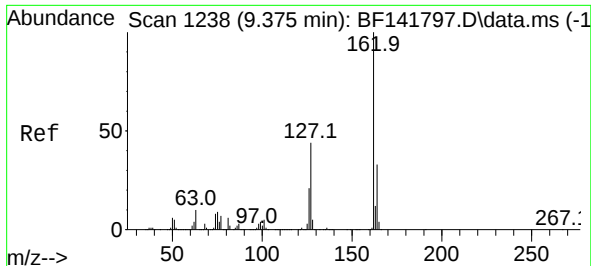
Ion Ratio Lower Upper

154 100

153 40.9 21.4 61.4

76 12.0 0.0 33.4





#47

2-Chloronaphthalene

Concen: 39.571 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

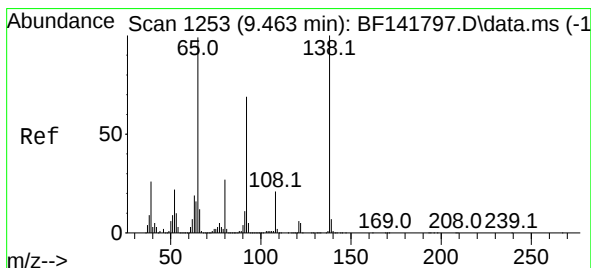
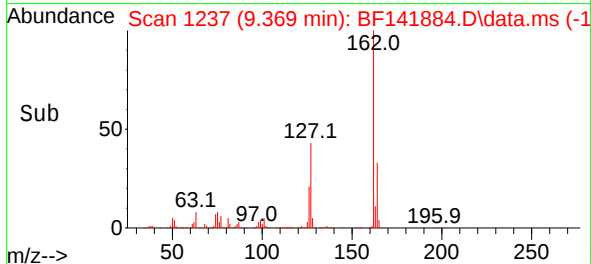
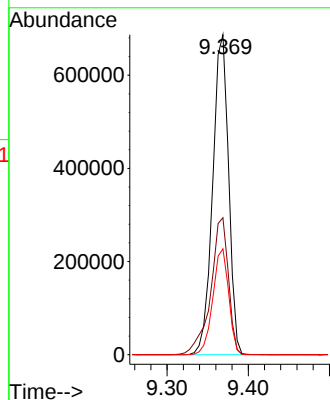
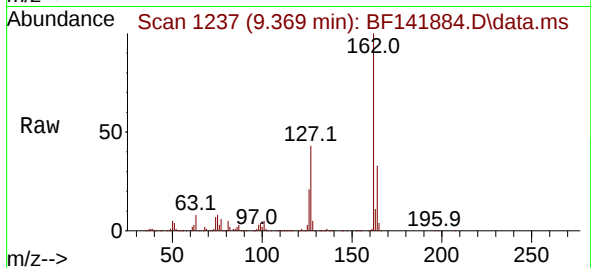
Tgt Ion:162 Resp: 933556

Ion Ratio Lower Upper

162 100

127 42.8 35.0 52.6

164 33.1 26.6 40.0



#48

2-Nitroaniline

Concen: 45.846 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

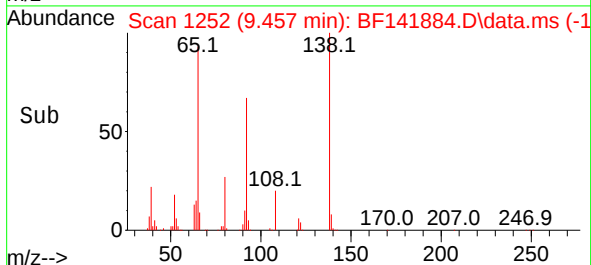
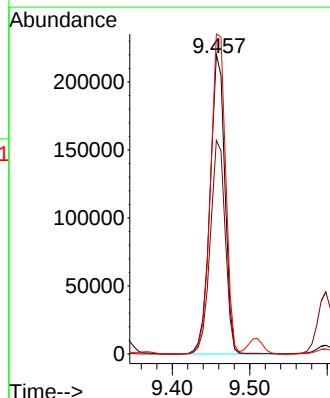
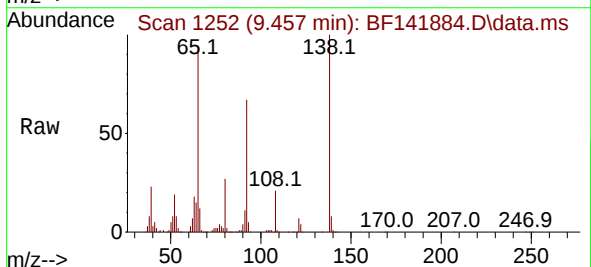
Tgt Ion: 65 Resp: 294678

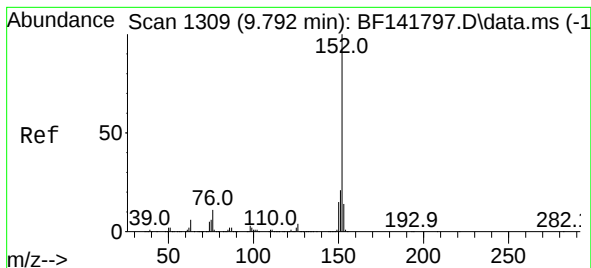
Ion Ratio Lower Upper

65 100

92 71.3 55.7 83.5

138 106.9 80.6 121.0





#49

Acenaphthylene

Concen: 41.660 ng

RT: 9.780 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

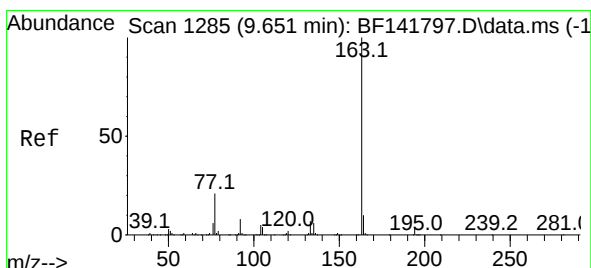
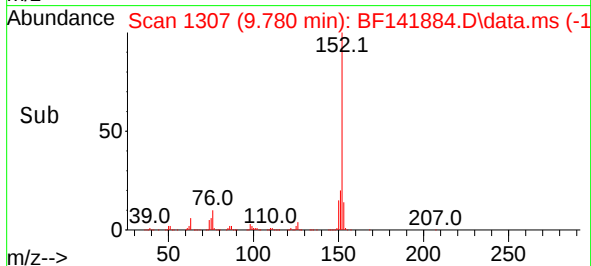
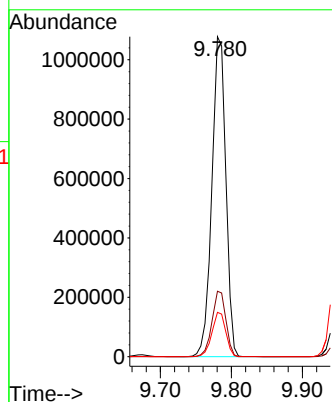
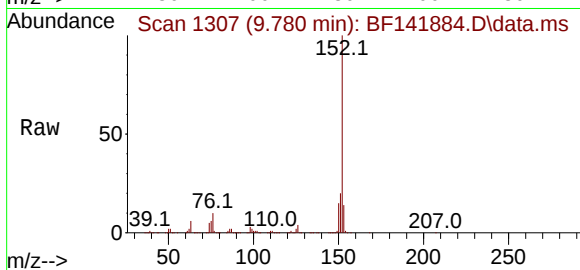
Tgt Ion:152 Resp: 1473589

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

153 13.9 11.2 16.8



#50

Dimethylphthalate

Concen: 40.251 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

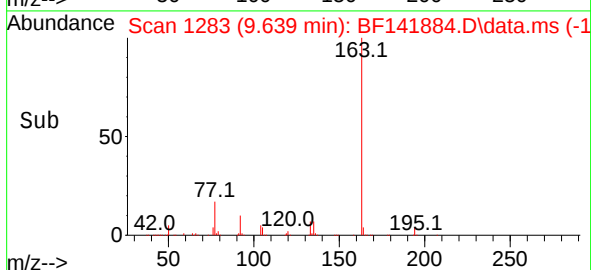
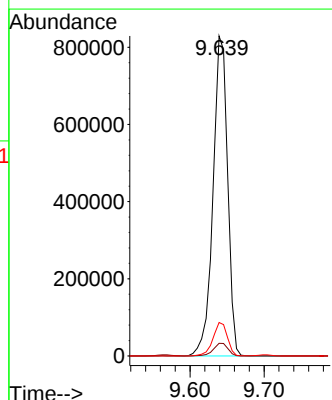
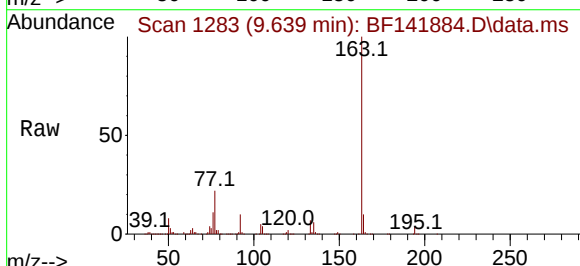
Tgt Ion:163 Resp: 1131944

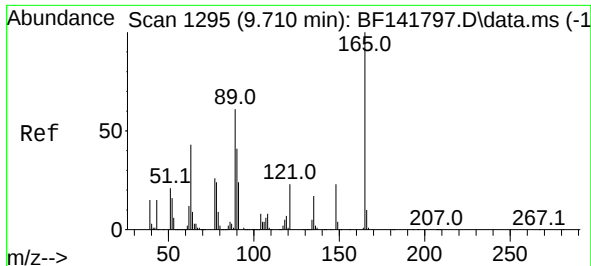
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.5 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 46.673 ng

RT: 9.704 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

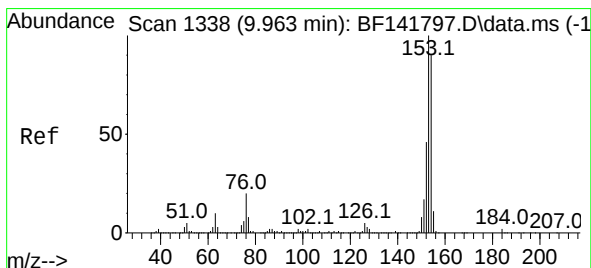
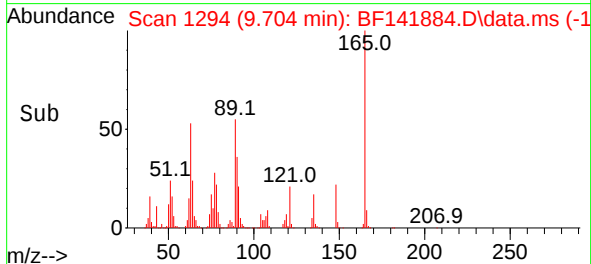
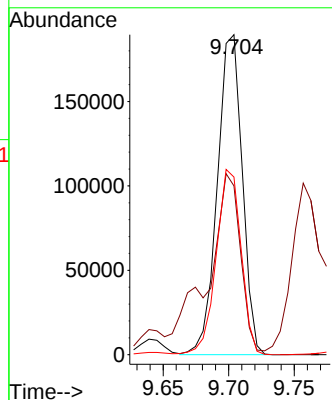
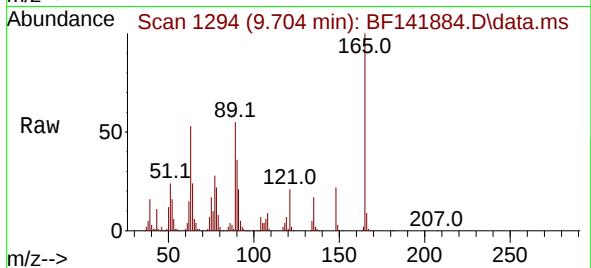
Tgt Ion:165 Resp: 250645

Ion Ratio Lower Upper

165 100

63 52.7 49.5 74.3

89 55.5 49.0 73.4



#52

Acenaphthene

Concen: 45.624 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

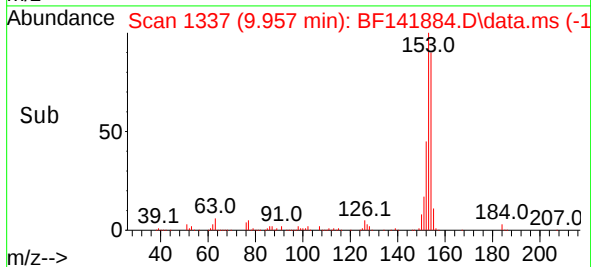
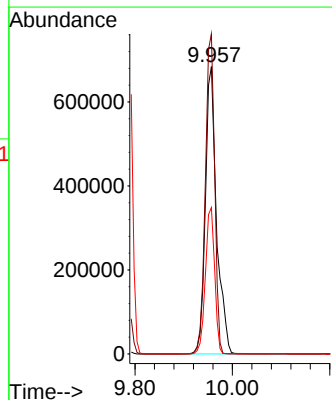
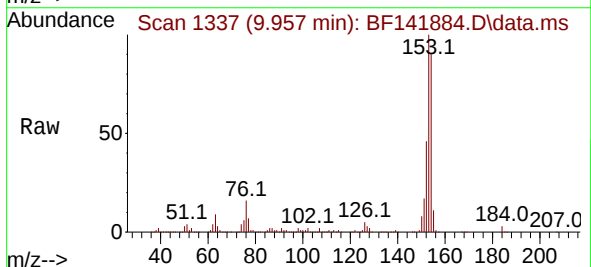
Tgt Ion:154 Resp: 1088895

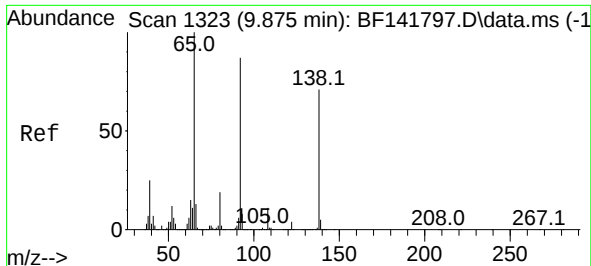
Ion Ratio Lower Upper

154 100

153 111.4 88.7 133.1

152 51.0 40.9 61.3

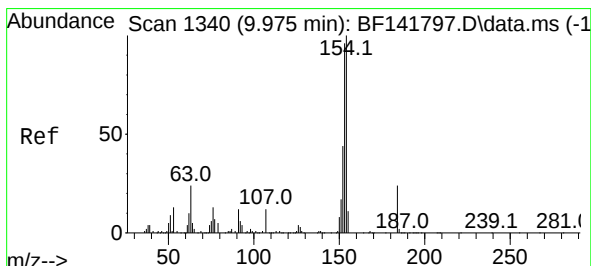
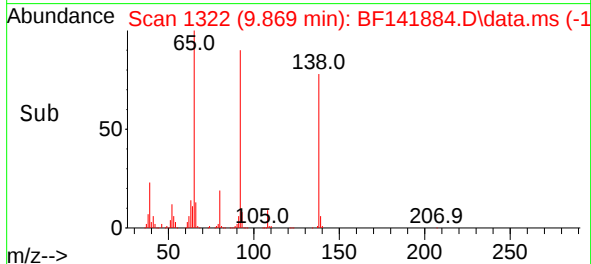
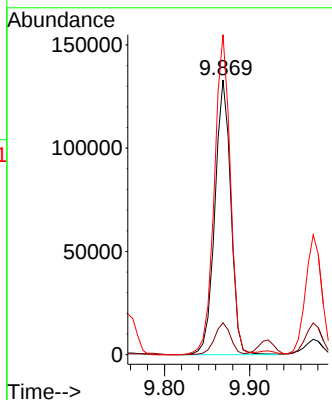
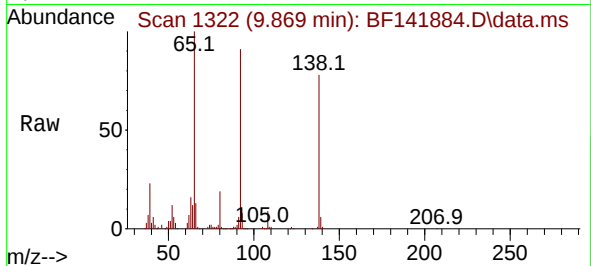




#53
3-Nitroaniline
Concen: 31.287 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

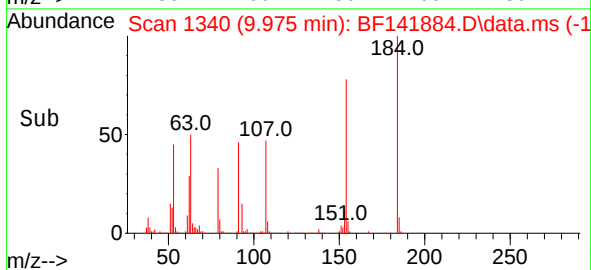
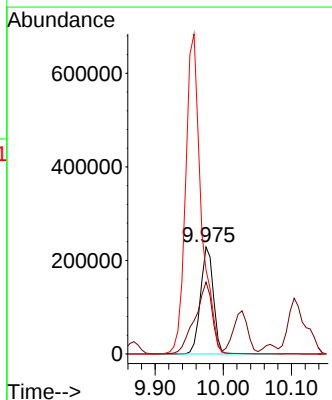
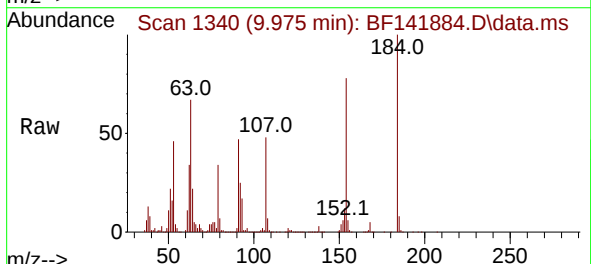
Instrument :
BNA_F
ClientSampleId :
PB167016BS

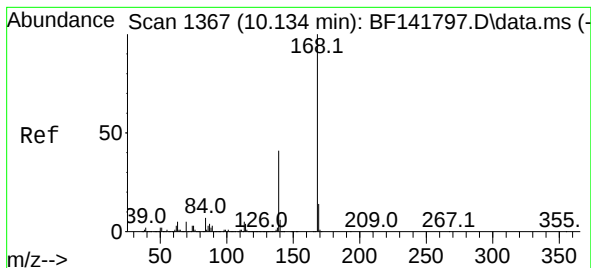
Tgt Ion:138 Resp: 172982
Ion Ratio Lower Upper
138 100
108 11.6 12.7 19.1#
92 116.5 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 108.480 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:184 Resp: 300997
Ion Ratio Lower Upper
184 100
63 67.2 79.0 118.6#
154 78.4 335.8 503.8#





#55

Dibenzenofuran

Concen: 37.617 ng

RT: 10.127 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

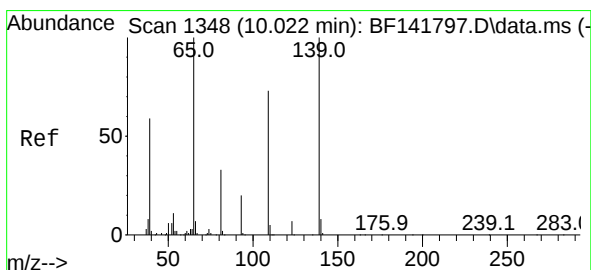
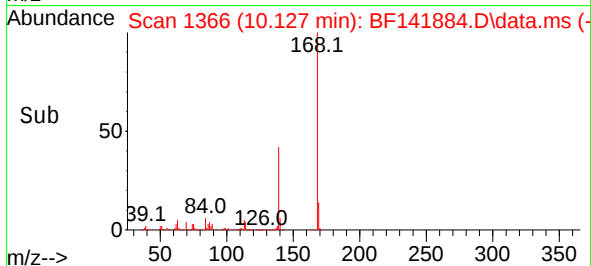
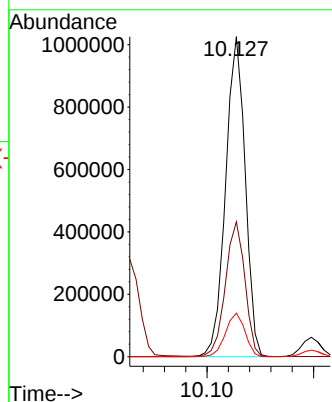
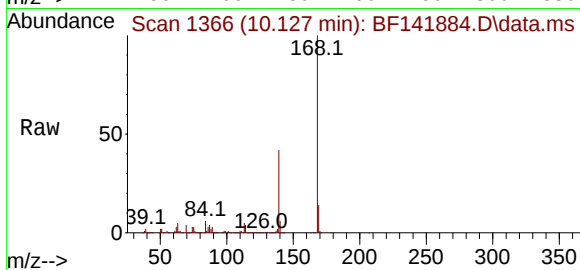
Tgt Ion:168 Resp: 1306751

Ion Ratio Lower Upper

168 100

139 42.2 32.9 49.3

169 13.6 11.1 16.7



#56

4-Nitrophenol

Concen: 110.375 ng

RT: 10.027 min Scan# 1349

Delta R.T. 0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

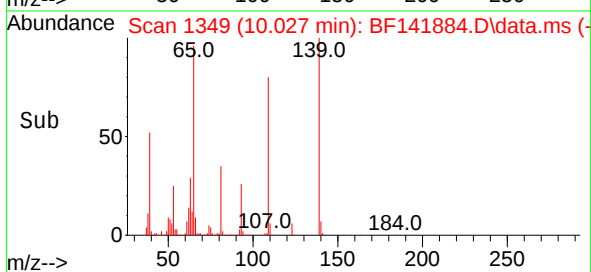
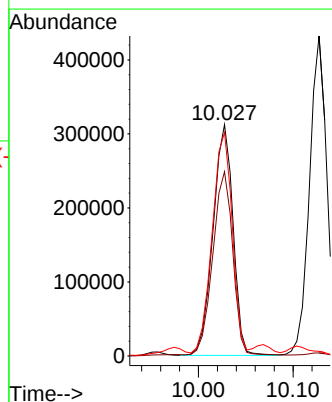
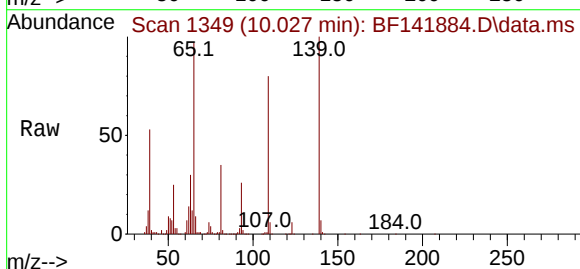
Tgt Ion:139 Resp: 458442

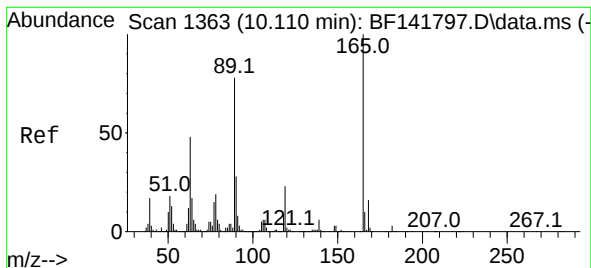
Ion Ratio Lower Upper

139 100

109 79.6 53.4 93.4

65 96.6 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 51.931 ng

RT: 10.104 min Scan# 1418

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion:165 Resp: 343289

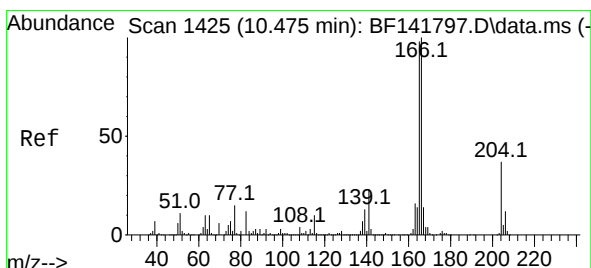
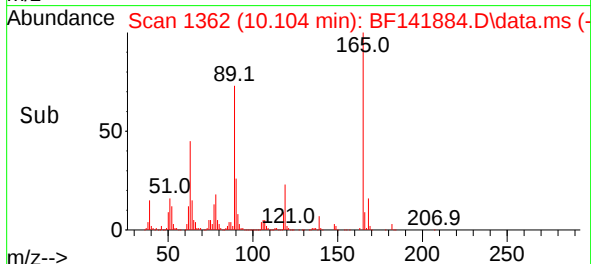
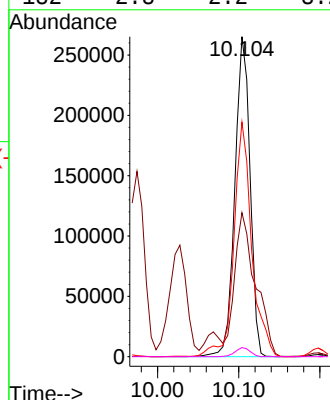
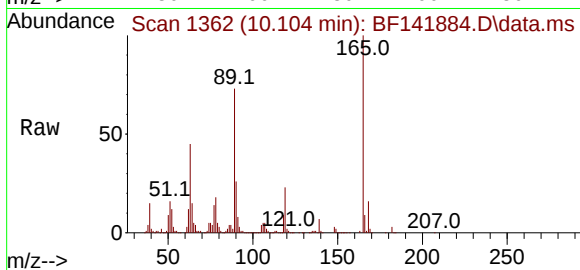
Ion Ratio Lower Upper

165 100

63 45.0 38.8 58.2

89 73.3 62.6 94.0

182 2.8 2.2 3.2



#58

Fluorene

Concen: 39.924 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

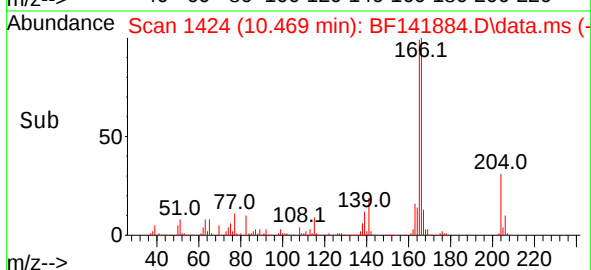
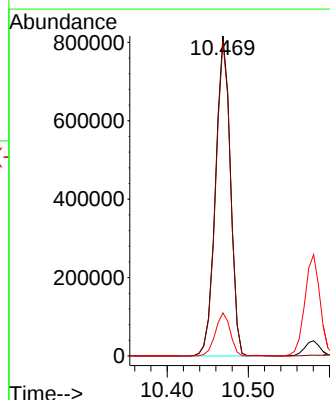
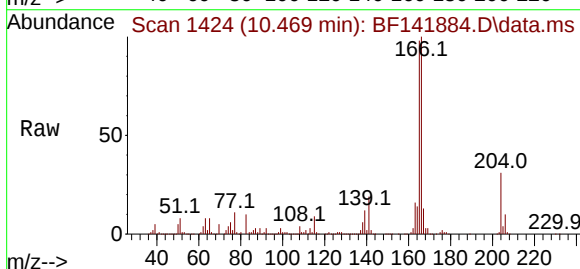
Tgt Ion:166 Resp: 1038850

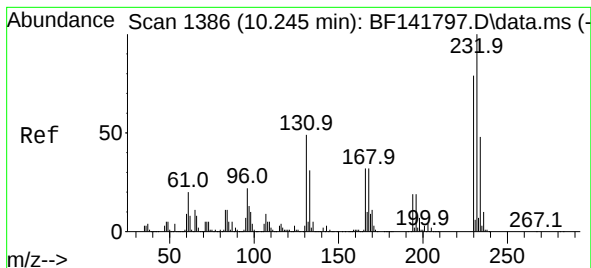
Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

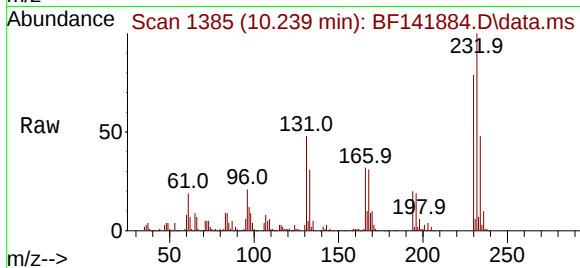
167 13.4 11.0 16.4



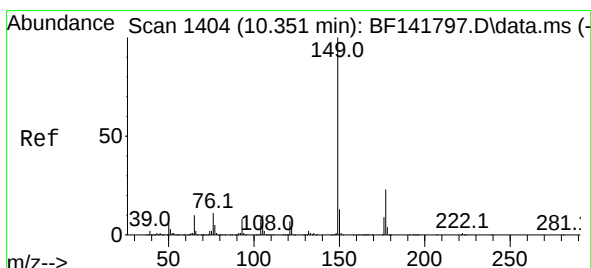
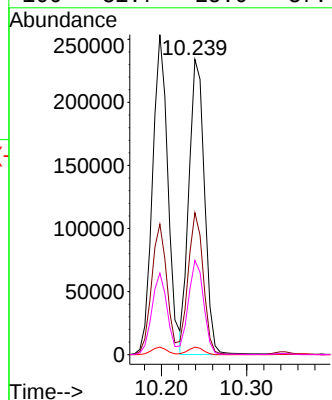
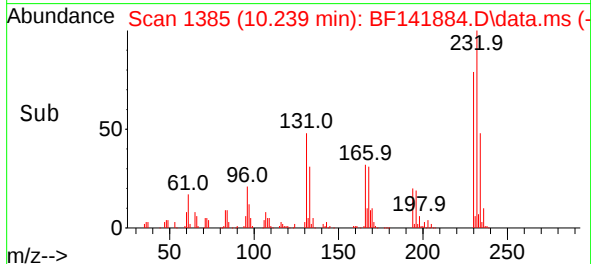


#59
2,3,4,6-Tetrachlorophenol
Concen: 43.989 ng
RT: 10.239 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

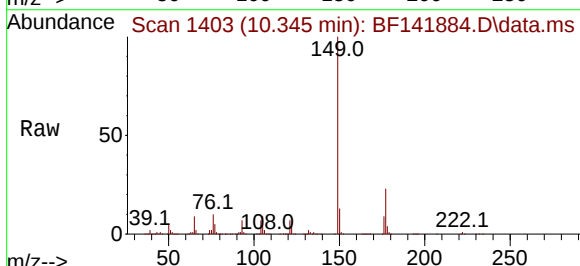
Instrument :
BNA_F
ClientSampleId :
PB167016BS



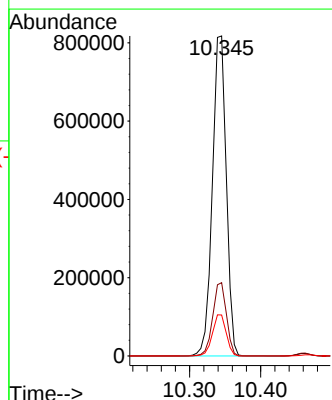
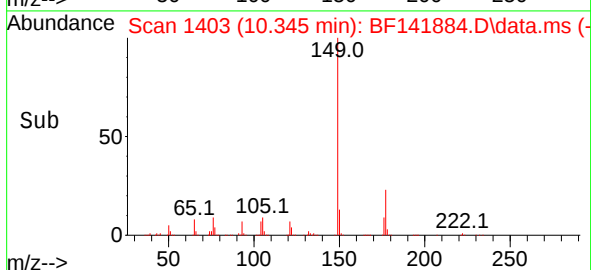
Tgt Ion:232 Resp: 296793
Ion Ratio Lower Upper
232 100
131 47.8 37.8 56.8
130 2.5 2.0 3.0
166 31.7 25.0 37.4

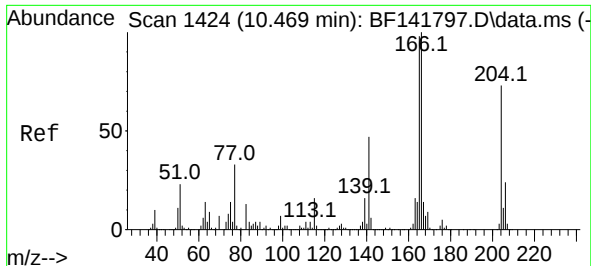


#60
Diethylphthalate
Concen: 39.449 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55



Tgt Ion:149 Resp: 1112154
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.8 10.3 15.5

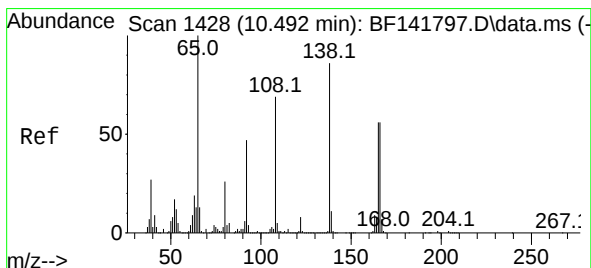
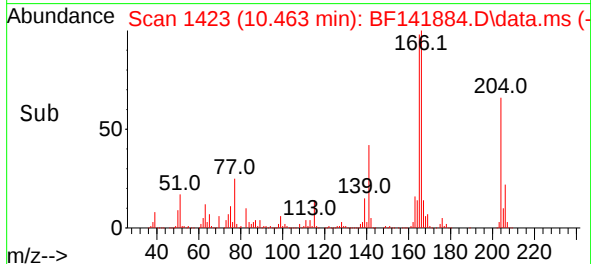
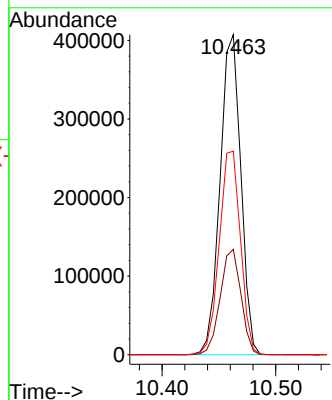
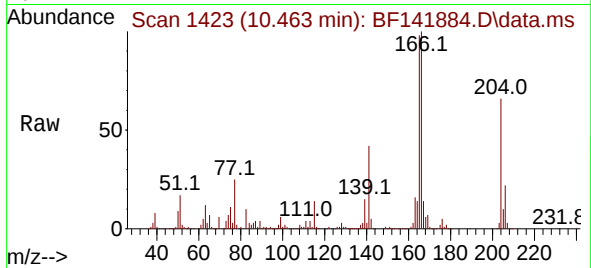




#61
4-Chlorophenyl-phenylether
Concen: 39.795 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

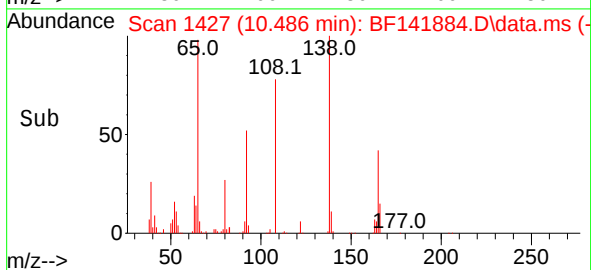
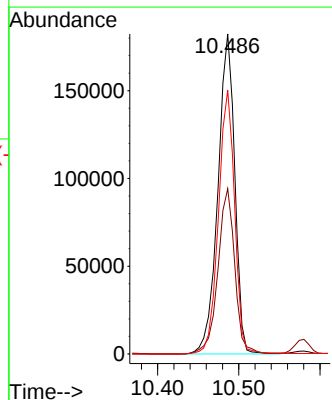
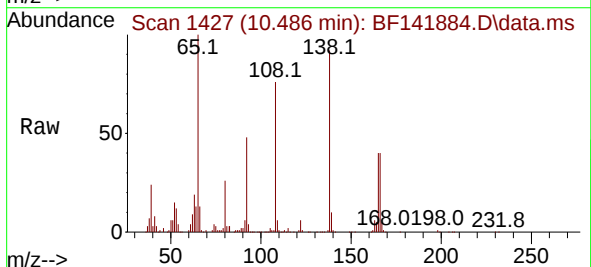
Instrument :
BNA_F
ClientSampleId :
PB167016BS

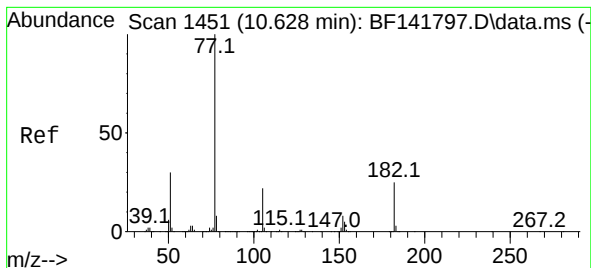
Tgt Ion:204 Resp: 518825
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.4
141 63.6 51.7 77.5



#62
4-Nitroaniline
Concen: 54.891 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:138 Resp: 263619
Ion Ratio Lower Upper
138 100
92 51.7 34.9 74.9
108 82.4 59.6 99.6





#63

Azobenzene

Concen: 35.354 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

Tgt Ion: 77 Resp: 1049439

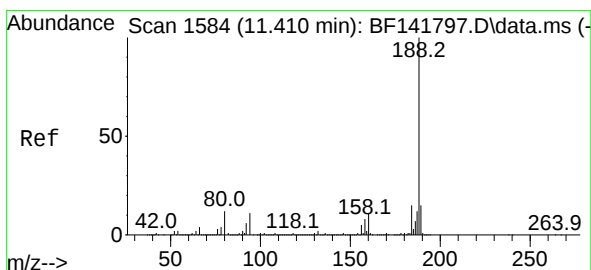
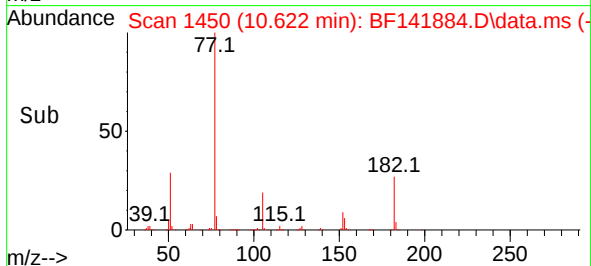
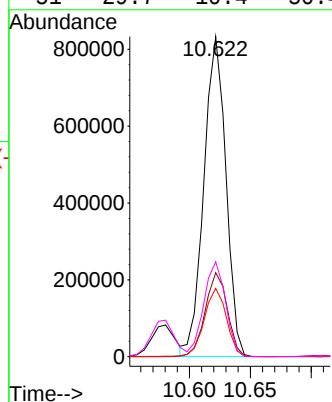
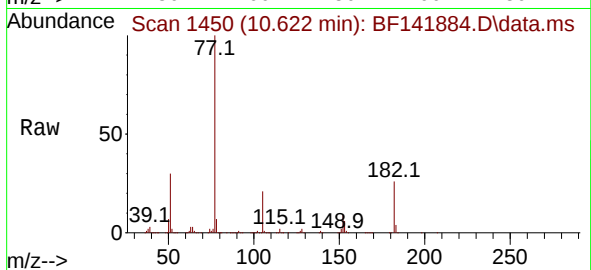
Ion Ratio Lower Upper

77 100

182 26.2 4.2 44.2

105 21.4 1.5 41.5

51 29.7 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

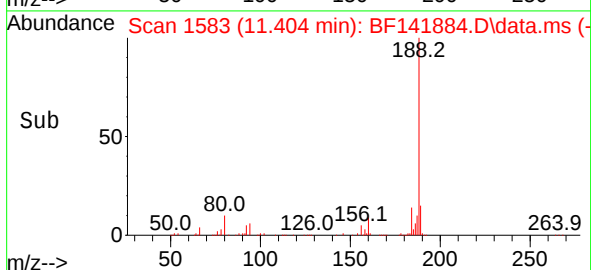
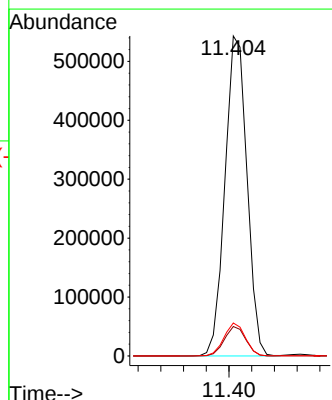
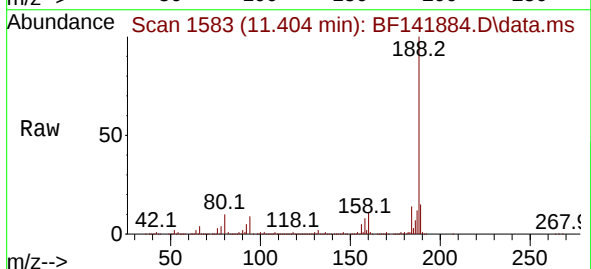
Tgt Ion: 188 Resp: 730268

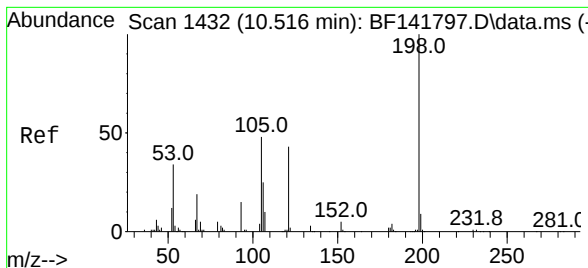
Ion Ratio Lower Upper

188 100

94 9.2 8.9 13.3

80 10.3 9.7 14.5

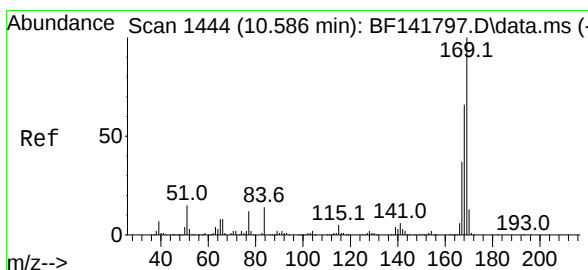
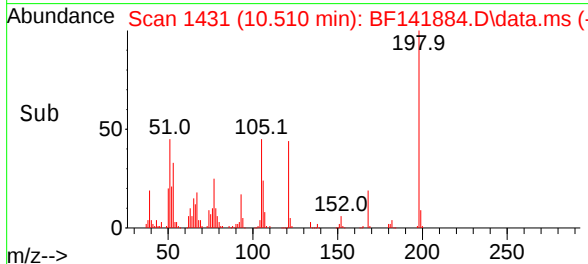
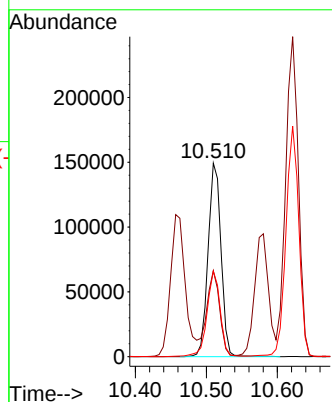
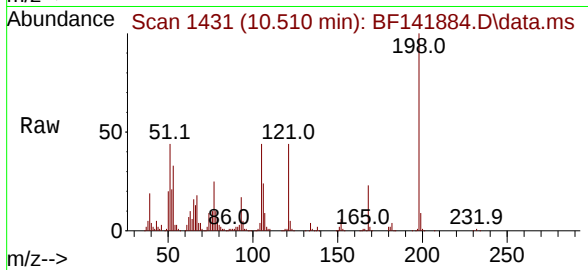




#65
4,6-Dinitro-2-methylphenol
Concen: 53.979 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

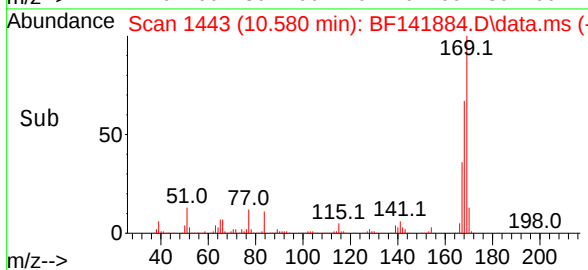
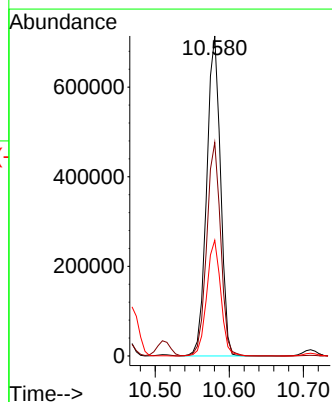
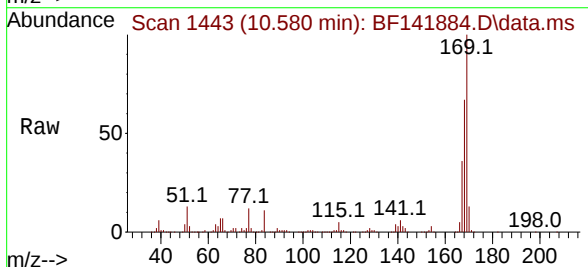
Instrument :
BNA_F
ClientSampleId :
PB167016BS

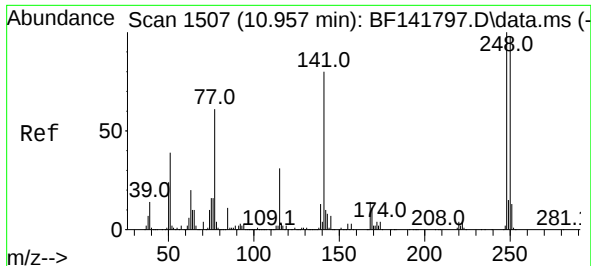
Tgt Ion:198 Resp: 189816
Ion Ratio Lower Upper
198 100
51 44.4 32.1 72.1
105 44.2 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 38.494 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:169 Resp: 923056
Ion Ratio Lower Upper
169 100
168 66.7 53.0 79.6
167 36.2 29.3 43.9

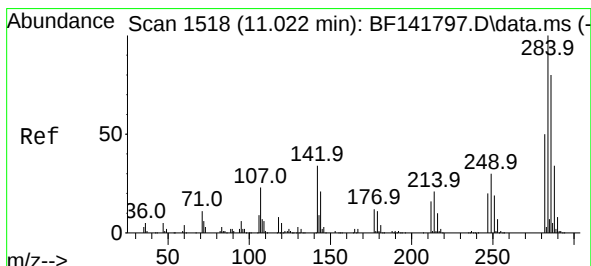
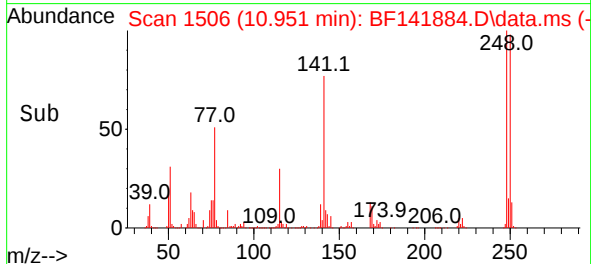
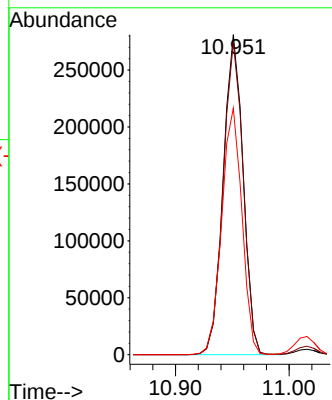
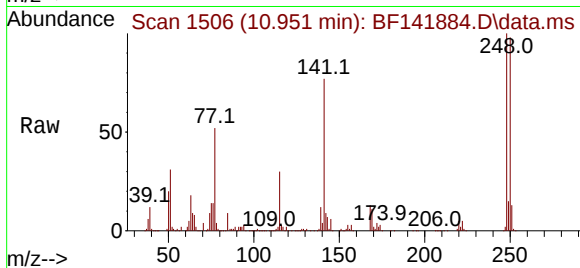




#67
4-Bromophenyl-phenylether
Concen: 40.303 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

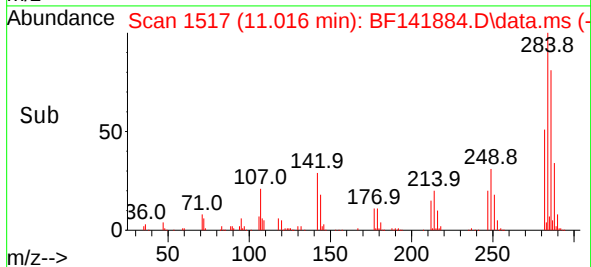
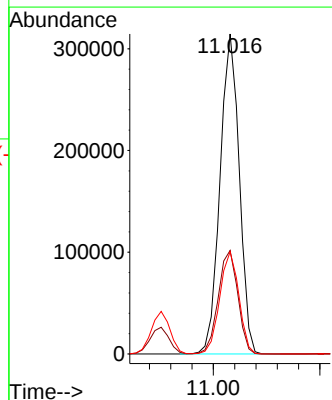
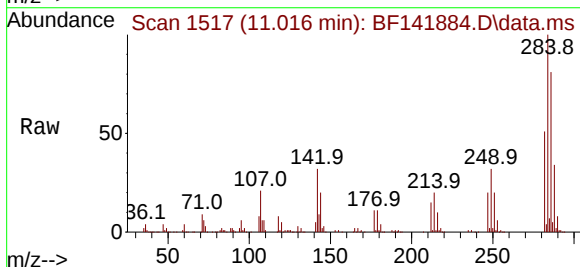
Instrument :
BNA_F
ClientSampleId :
PB167016BS

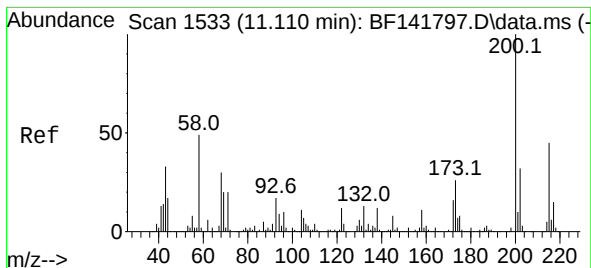
Tgt Ion:248 Resp: 343779
Ion Ratio Lower Upper
248 100
250 97.7 78.1 117.1
141 77.1 64.3 96.5



#68
Hexachlorobenzene
Concen: 43.606 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:284 Resp: 392769
Ion Ratio Lower Upper
284 100
142 32.3 28.2 42.2
249 31.9 25.5 38.3





#69

Atrazine

Concen: 58.418 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

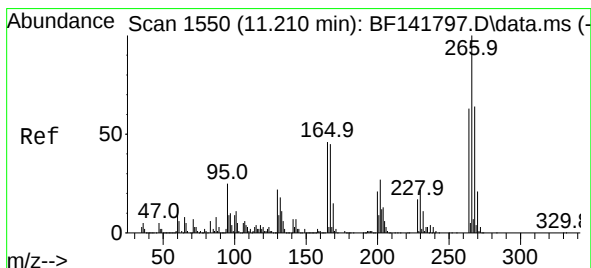
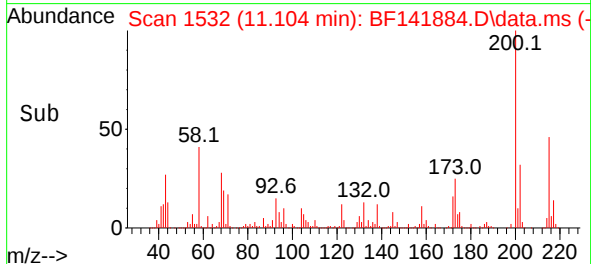
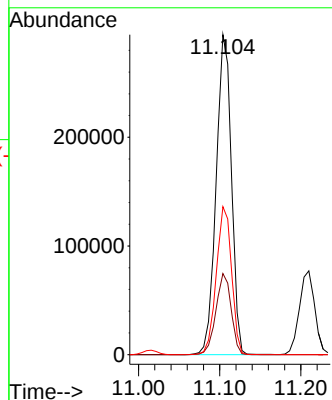
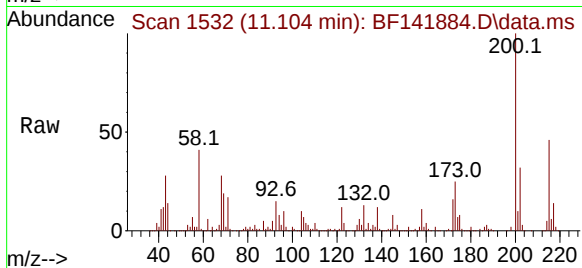
Tgt Ion:200 Resp: 385225

Ion Ratio Lower Upper

200 100

173 25.3 5.6 45.6

215 46.3 25.3 65.3



#70

Pentachlorophenol

Concen: 91.729 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

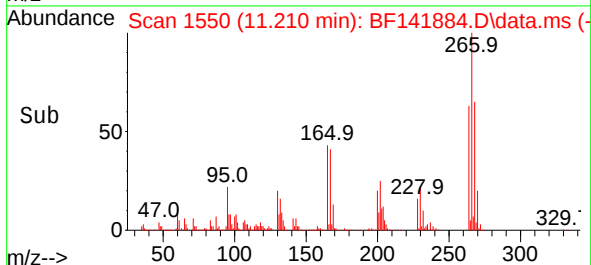
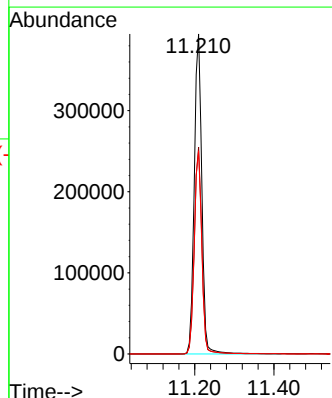
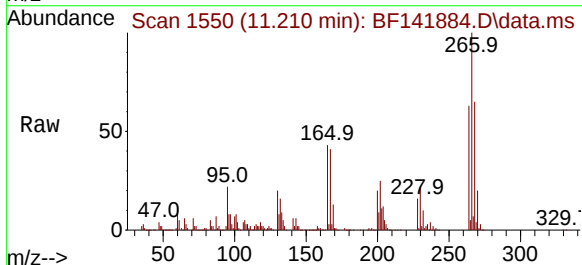
Tgt Ion:266 Resp: 524021

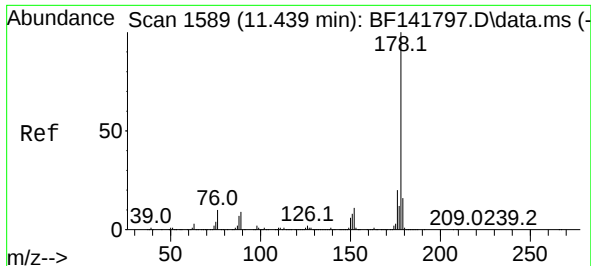
Ion Ratio Lower Upper

266 100

268 64.7 50.9 76.3

264 63.5 50.2 75.4

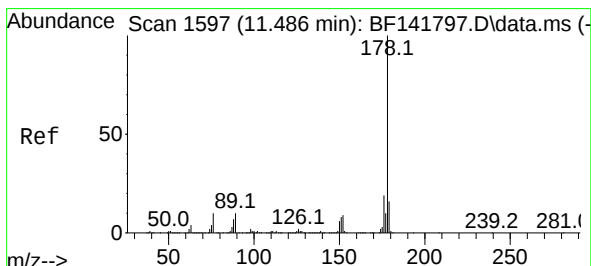
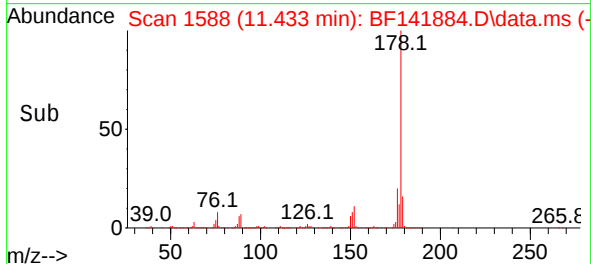
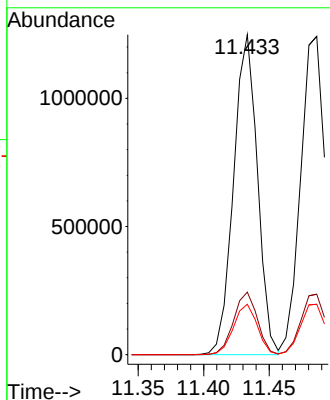
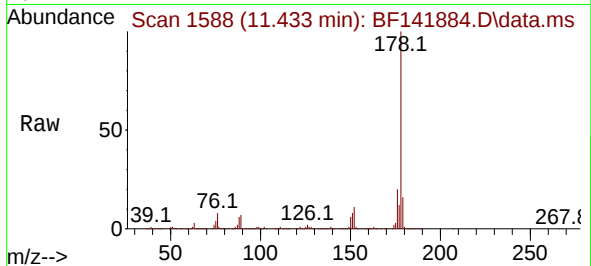




#71
Phenanthrene
Concen: 40.510 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

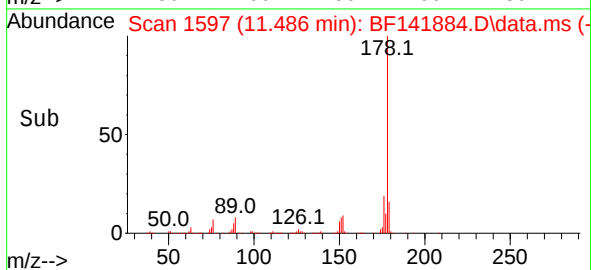
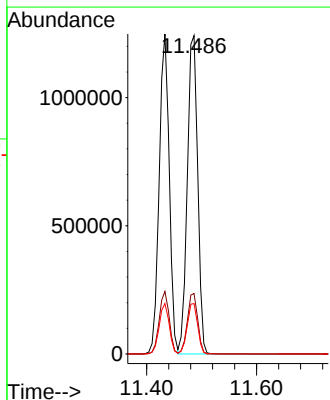
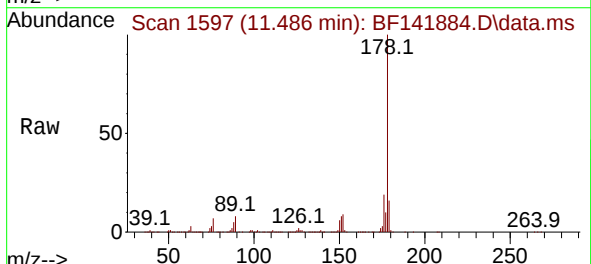
Instrument :
BNA_F
ClientSampleId :
PB167016BS

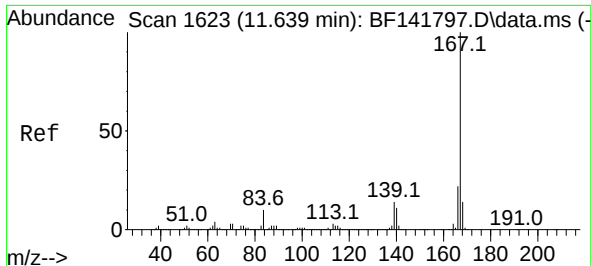
Tgt Ion:178 Resp: 1582418
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.8 12.6 19.0



#72
Anthracene
Concen: 41.521 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

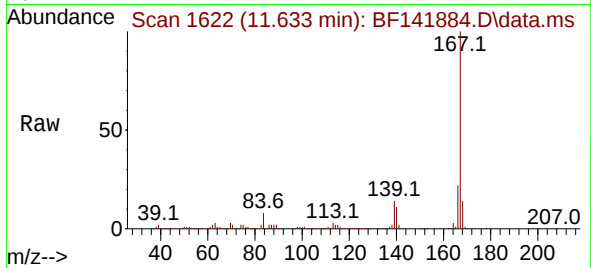
Tgt Ion:178 Resp: 1625497
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.8 19.2



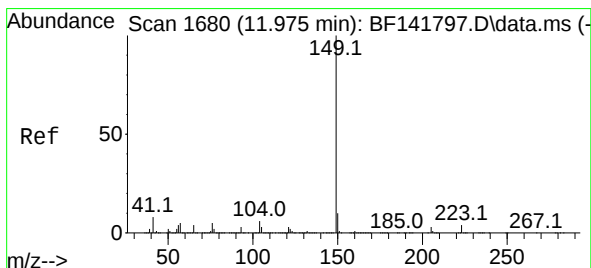
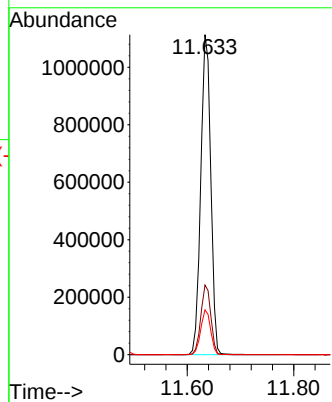
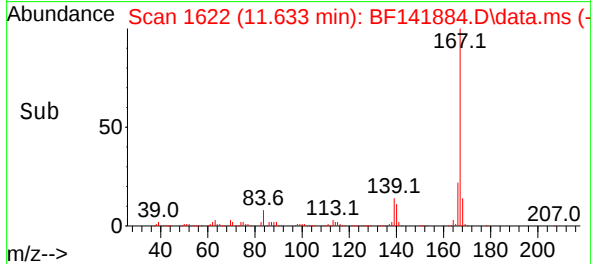


#73
 Carbazole
 Concen: 42.025 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF141884.D
 Acq: 07 Mar 2025 09:55

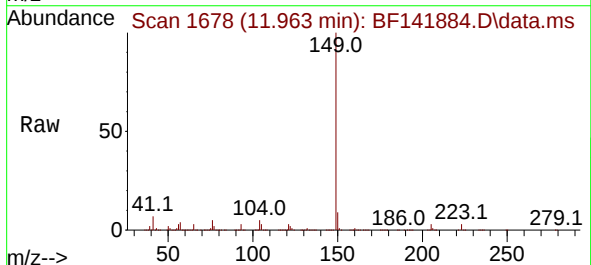
Instrument :
 BNA_F
 ClientSampleId :
 PB167016BS



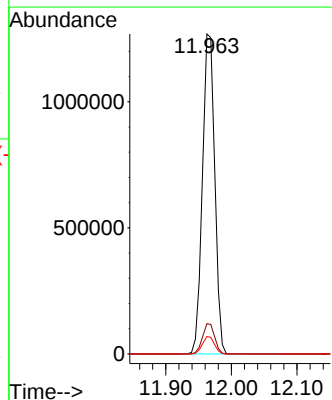
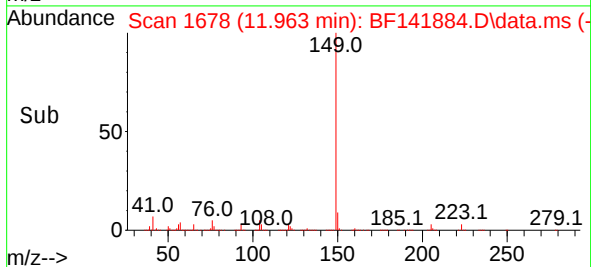
Tgt Ion:167 Resp: 1452863
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.5 26.3
 139 14.0 11.3 16.9

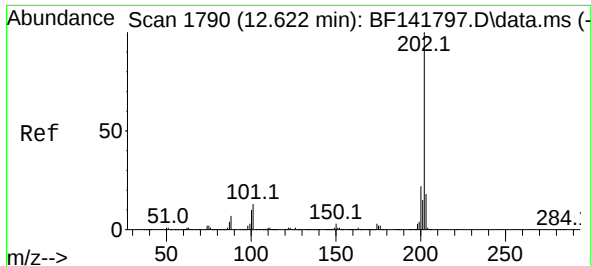


#74
 Di-n-butylphthalate
 Concen: 37.949 ng
 RT: 11.963 min Scan# 1678
 Delta R.T. -0.012 min
 Lab File: BF141884.D
 Acq: 07 Mar 2025 09:55



Tgt Ion:149 Resp: 1663012
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.7 11.5
 104 5.4 4.4 6.6

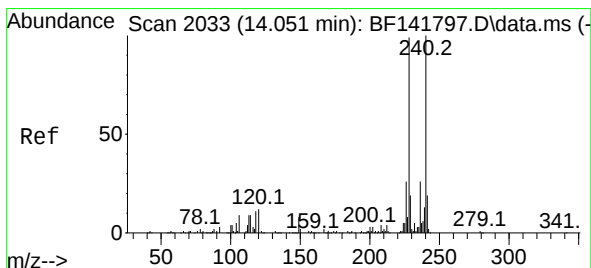
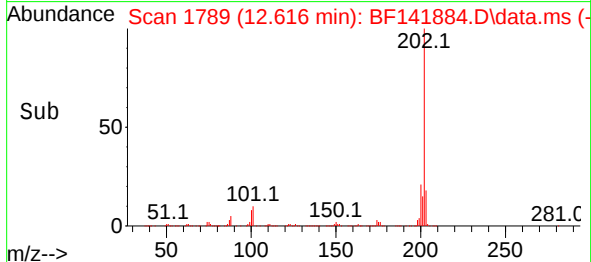
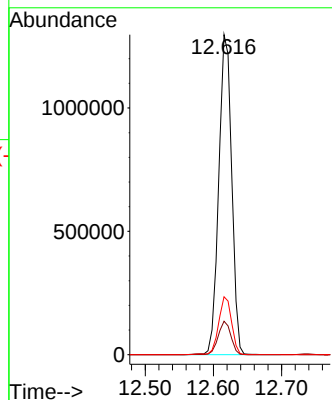
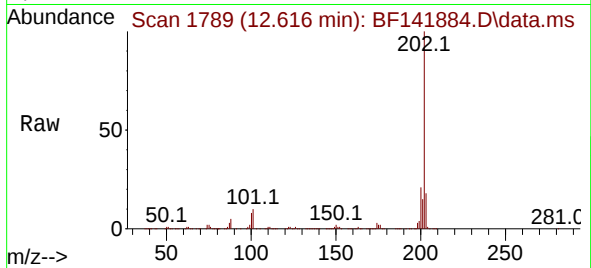




#75
Fluoranthene
Concen: 42.761 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

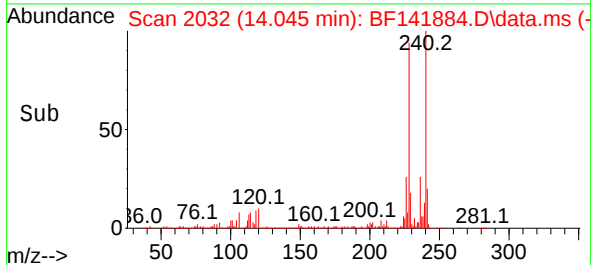
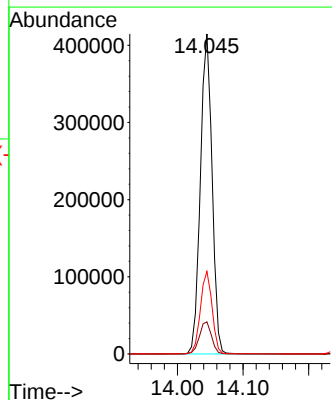
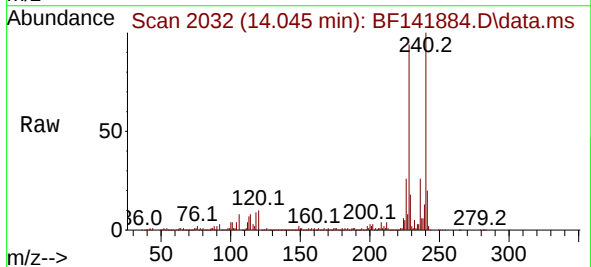
Instrument :
BNA_F
ClientSampleId :
PB167016BS

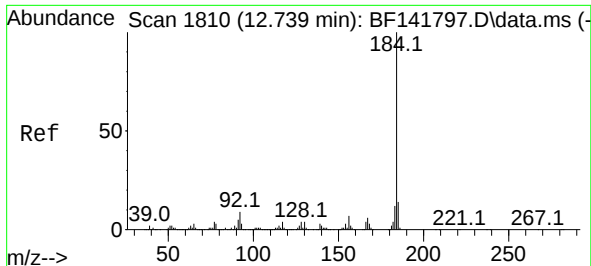
Tgt Ion:202 Resp: 1711522
Ion Ratio Lower Upper
202 100
101 10.4 0.0 32.8
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:240 Resp: 514866
Ion Ratio Lower Upper
240 100
120 10.1 9.7 14.5
236 25.8 21.0 31.4

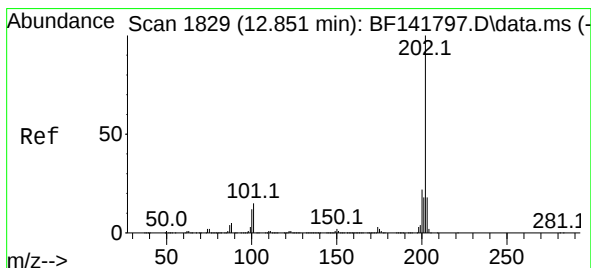
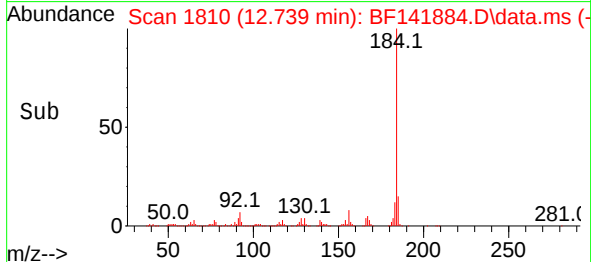
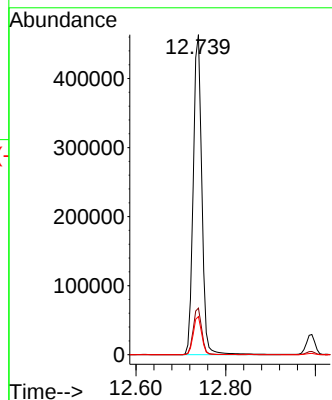
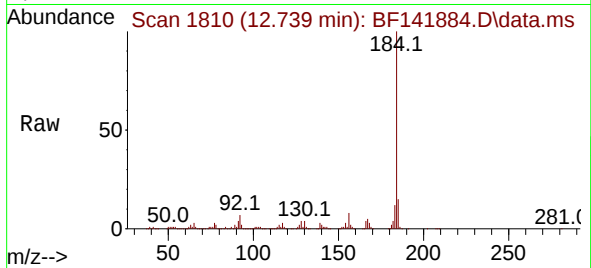




#77
Benzidine
Concen: 94.985 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

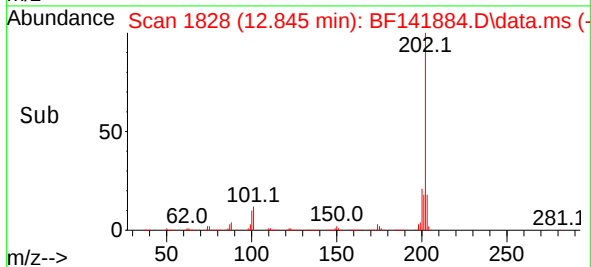
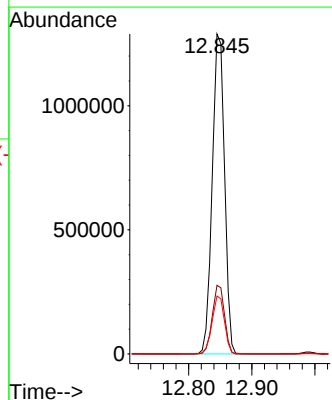
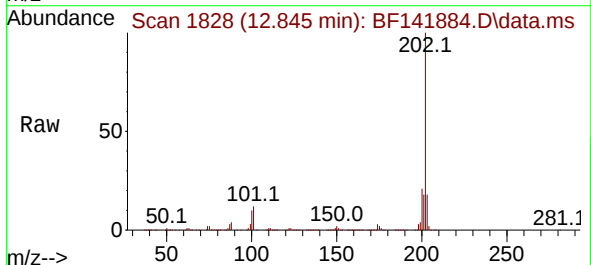
Instrument :
BNA_F
ClientSampleId :
PB167016BS

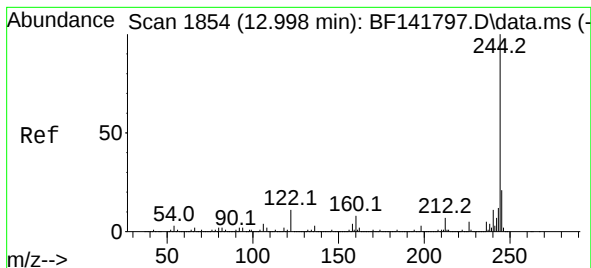
Tgt Ion:184 Resp: 615533
Ion Ratio Lower Upper
184 100
185 14.5 11.6 17.4
183 11.9 9.4 14.0



#78
Pyrene
Concen: 39.011 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141884.D
Acq: 07 Mar 2025 09:55

Tgt Ion:202 Resp: 1739277
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.0
203 18.1 14.6 22.0





#79

Terphenyl-d14

Concen: 88.480 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

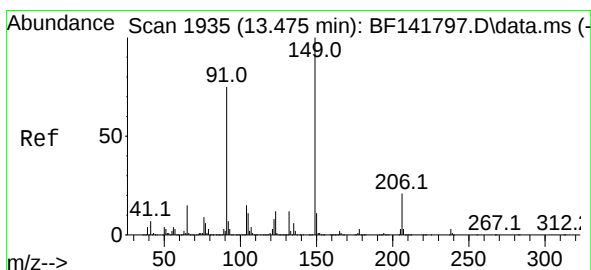
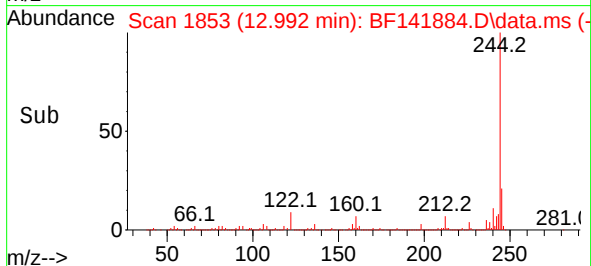
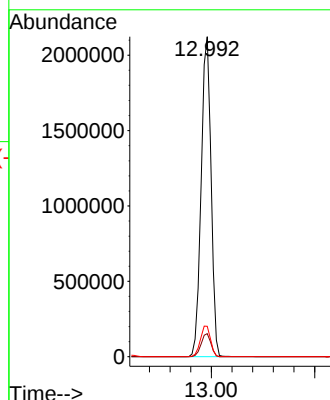
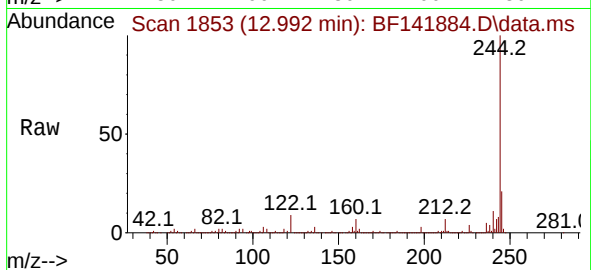
Tgt Ion:244 Resp: 2815666

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.5 9.0 13.6



#80

Butylbenzylphthalate

Concen: 41.543 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

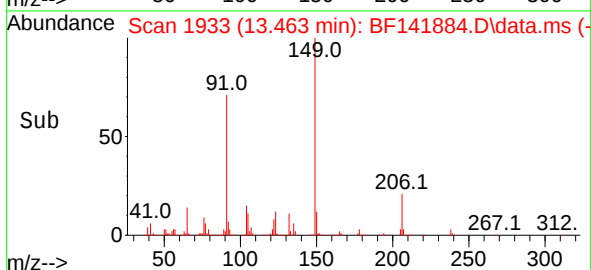
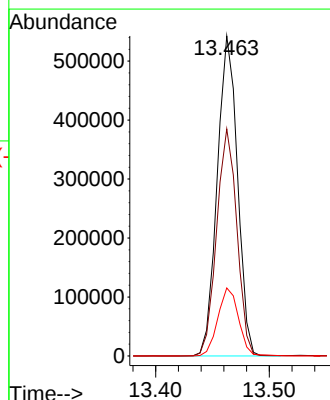
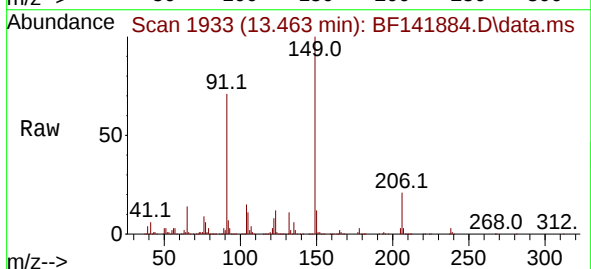
Tgt Ion:149 Resp: 672937

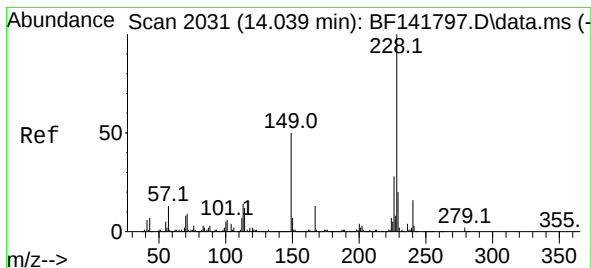
Ion Ratio Lower Upper

149 100

91 70.9 60.1 90.1

206 21.3 16.8 25.2





#81

Benzo(a)anthracene

Concen: 40.743 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

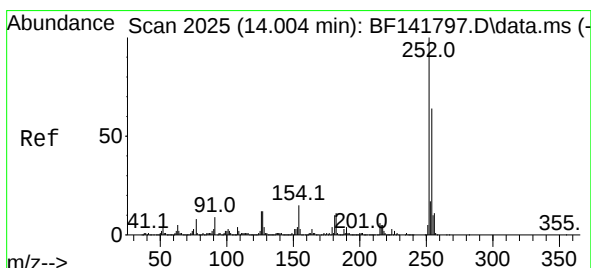
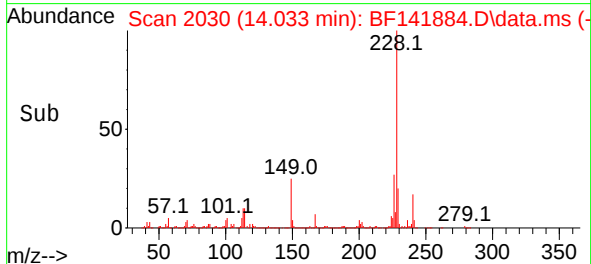
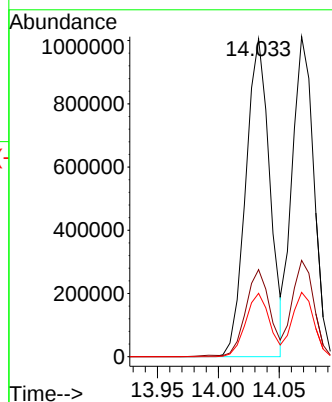
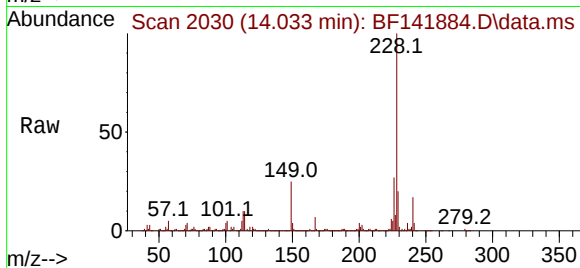
Tgt Ion:228 Resp: 1385577

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 19.9 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 29.118 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

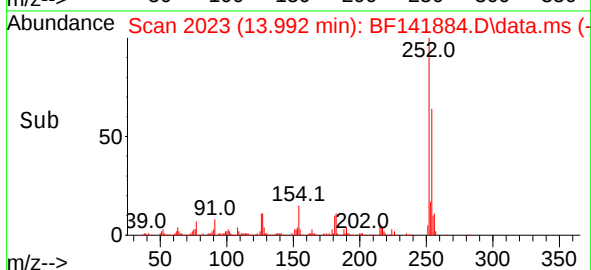
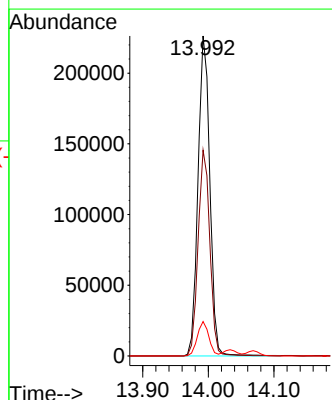
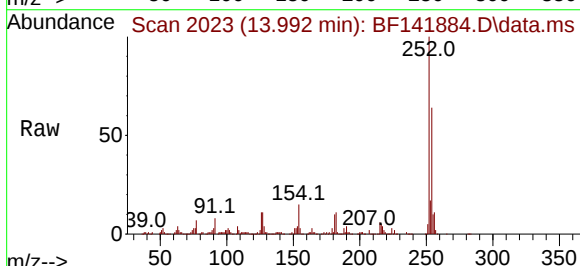
Tgt Ion:252 Resp: 284105

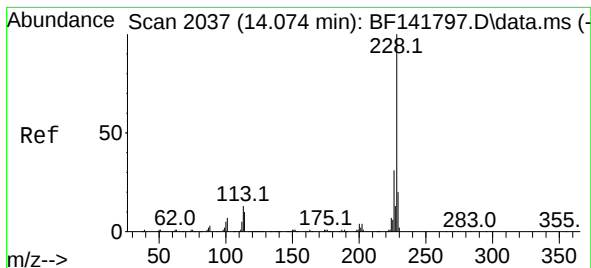
Ion Ratio Lower Upper

252 100

254 64.3 51.4 77.0

126 10.7 9.8 14.6





#83

Chrysene

Concen: 39.986 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

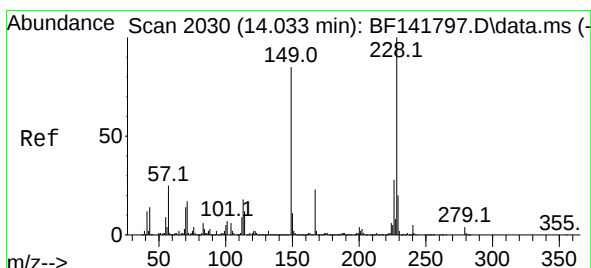
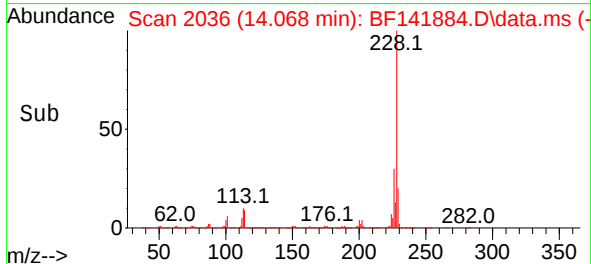
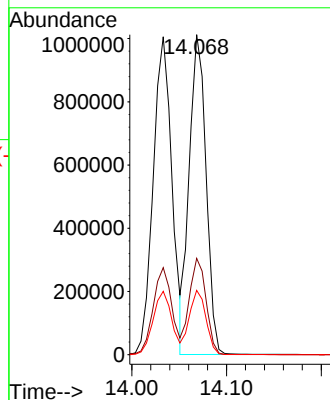
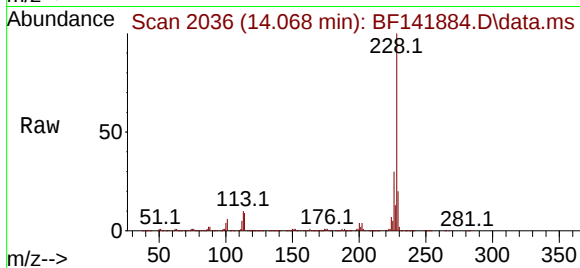
Tgt Ion:228 Resp: 1253518

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

229 20.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.277 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

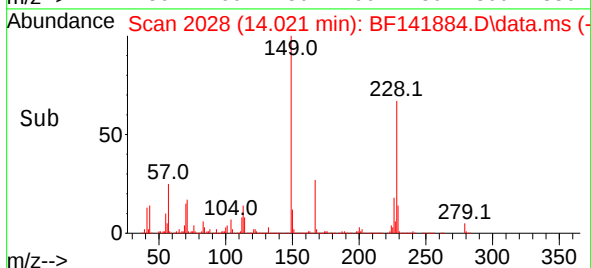
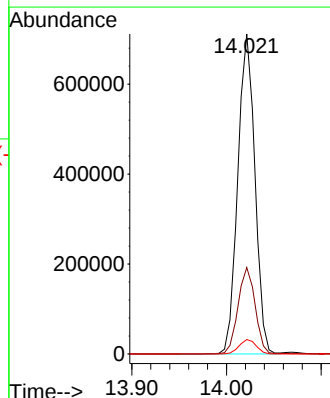
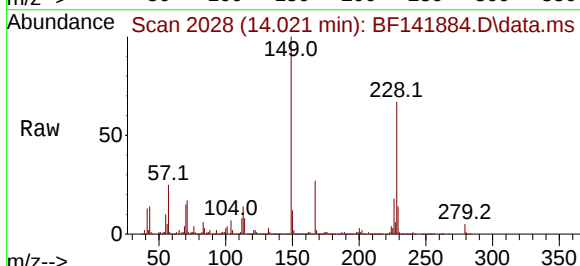
Tgt Ion:149 Resp: 893053

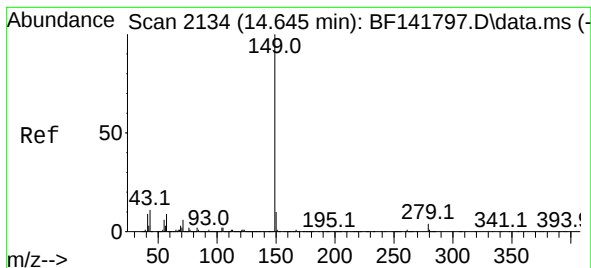
Ion Ratio Lower Upper

149 100

167 27.0 21.2 31.8

279 4.5 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 41.468 ng

RT: 14.633 min Scan# 2132

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

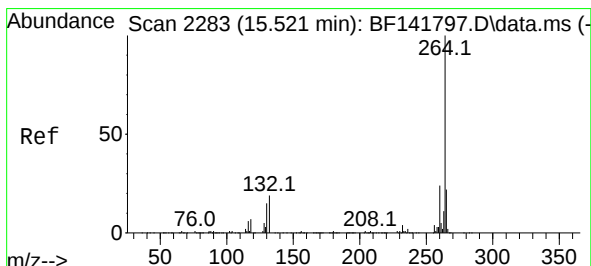
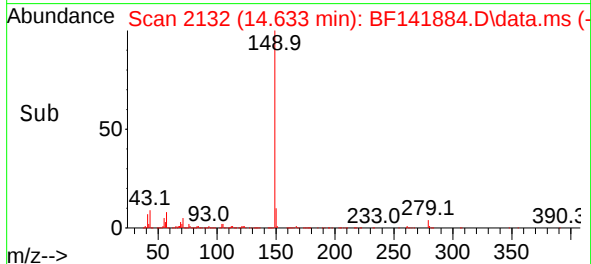
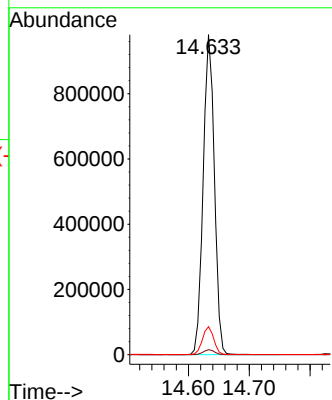
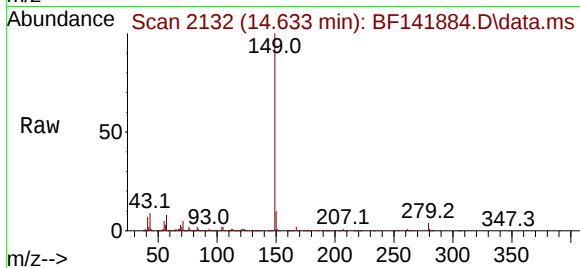
Tgt Ion:149 Resp: 1252163

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 8.8 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.006 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

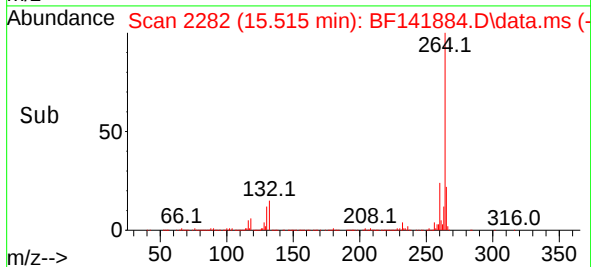
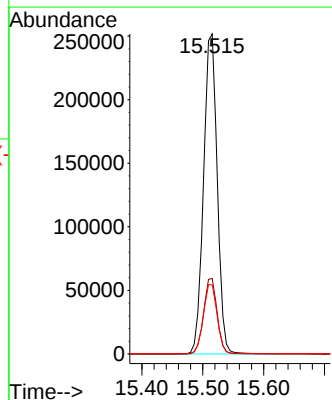
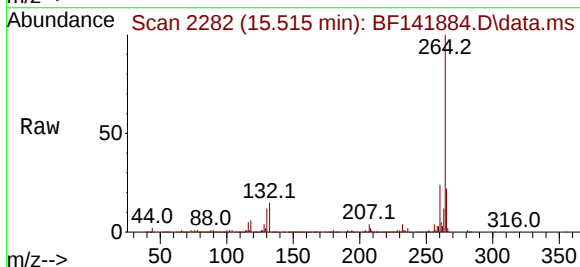
Tgt Ion:264 Resp: 393279

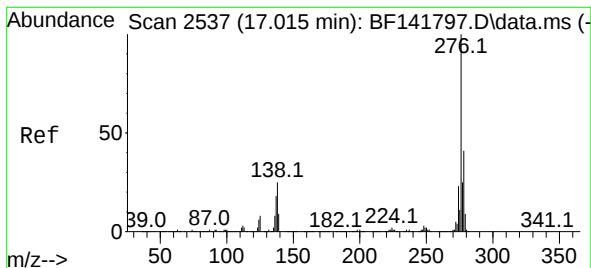
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.133 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

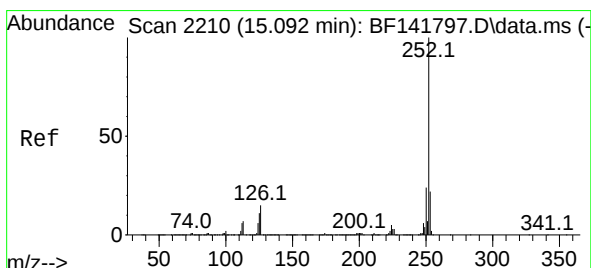
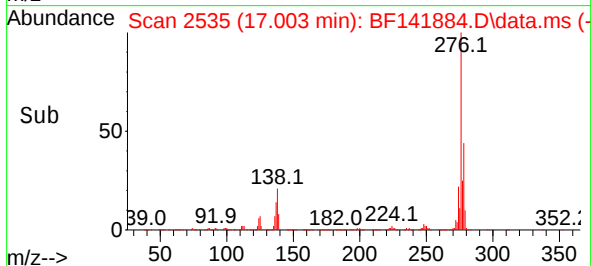
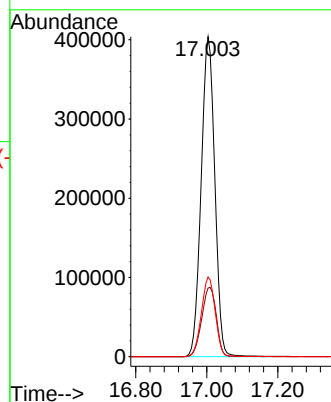
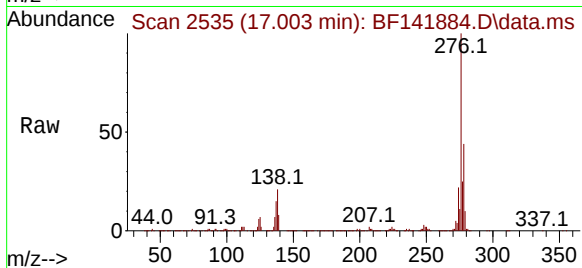
Tgt Ion:276 Resp: 1080175

Ion Ratio Lower Upper

276 100

138 23.3 22.5 33.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 41.430 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

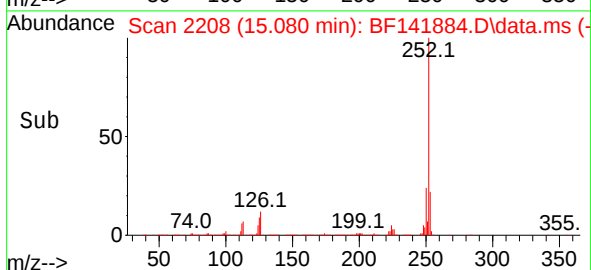
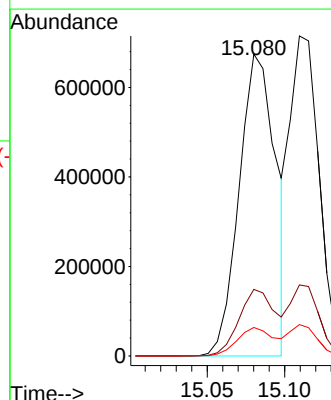
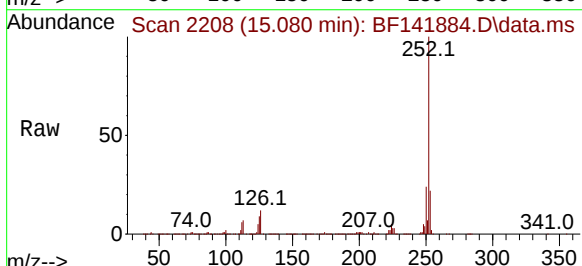
Tgt Ion:252 Resp: 1109885

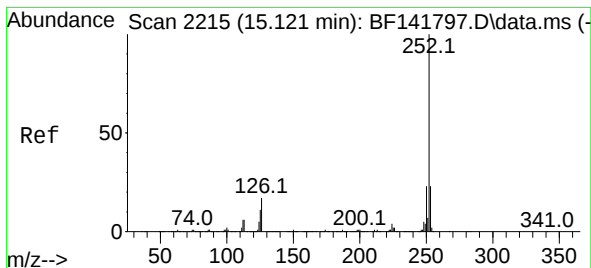
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 9.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 41.371 ng

RT: 15.109 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

Instrument :

BNA_F

ClientSampleId :

PB167016BS

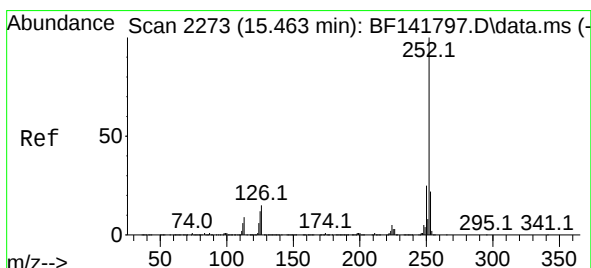
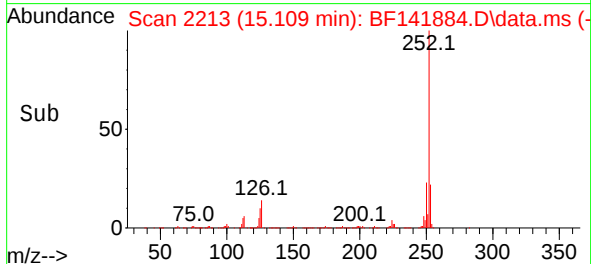
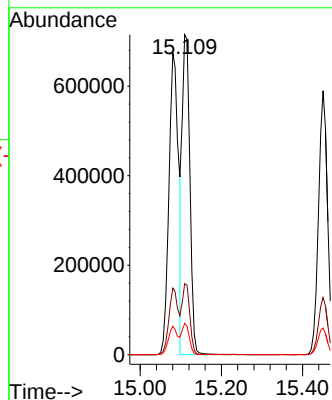
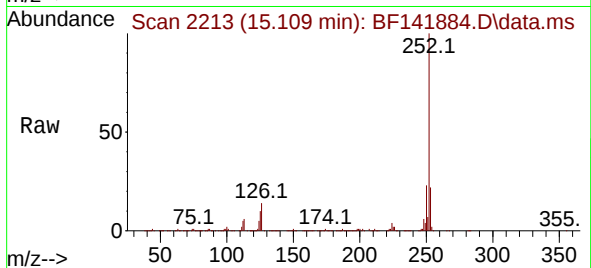
Tgt Ion:252 Resp: 942003

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 9.8 8.8 13.2



#90

Benzo(a)pyrene

Concen: 42.095 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141884.D

Acq: 07 Mar 2025 09:55

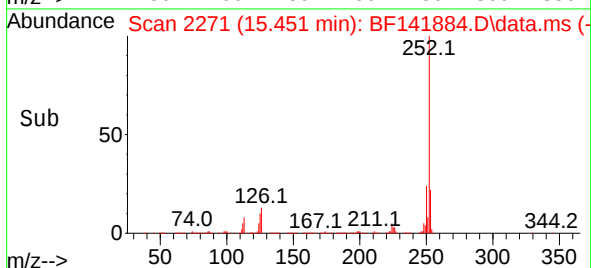
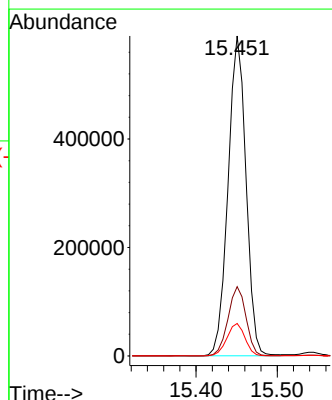
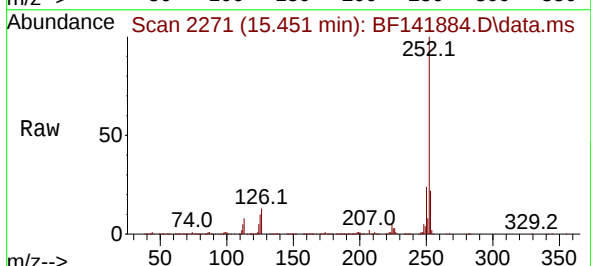
Tgt Ion:252 Resp: 904383

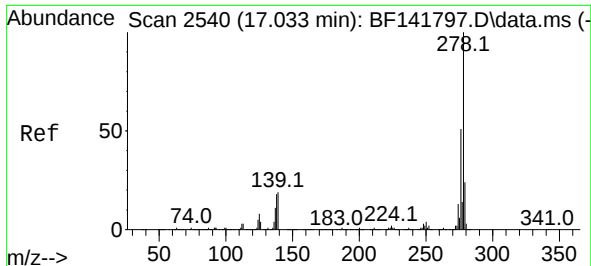
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.1 9.4 14.2

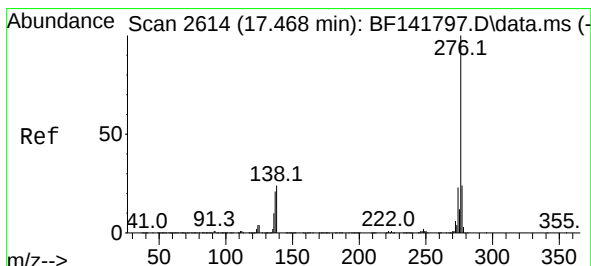
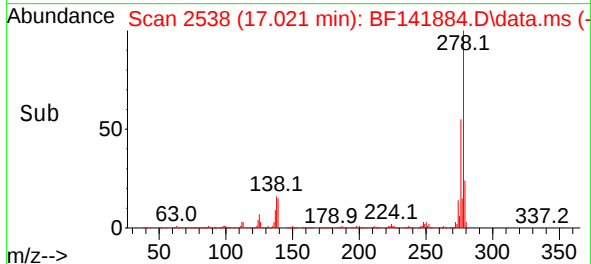
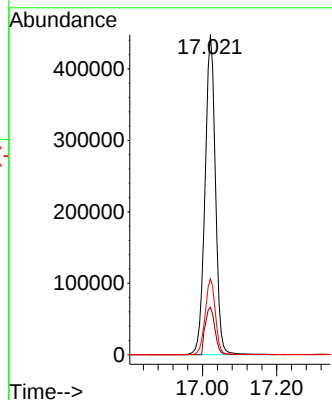
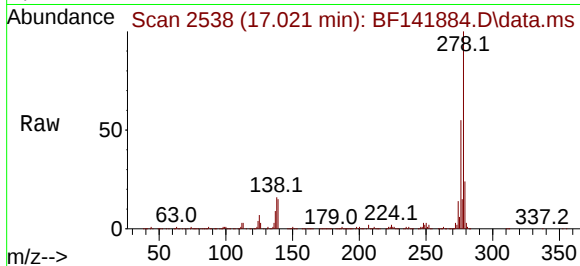




#91
 Dibenzo(a,h)anthracene
 Concen: 42.683 ng
 RT: 17.021 min Scan# 2538
 Delta R.T. -0.012 min
 Lab File: BF141884.D
 Acq: 07 Mar 2025 09:55

Instrument :
 BNA_F
 ClientSampleId :
 PB167016BS

Tgt Ion:278 Resp: 872509
 Ion Ratio Lower Upper
 278 100
 139 14.9 14.9 22.3#
 279 23.8 19.3 28.9



#92
 Benzo(g,h,i)perylene
 Concen: 42.445 ng
 RT: 17.456 min Scan# 2612
 Delta R.T. -0.012 min
 Lab File: BF141884.D
 Acq: 07 Mar 2025 09:55

Tgt Ion:276 Resp: 888869
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.4 29.0
 138 19.7 19.3 28.9

