

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141942.D
 Acq On : 13 Mar 2025 13:47
 Operator : RC/JU
 Sample : PB167097BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

Quant Time: Mar 13 14:35:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	178366	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	702401	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	401749	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	683407	20.000	ng	0.00
76) Chrysene-d12	14.033	240	437316	20.000	ng	0.00
86) Perylene-d12	15.504	264	392710	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1413436	132.254	ng	0.02
7) Phenol-d6	6.504	99	1756797	129.108	ng	0.00
23) Nitrobenzene-d5	7.439	82	1163264	93.200	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	771672	151.406	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2478502	93.823	ng	0.00
79) Terphenyl-d14	12.980	244	2991728	101.143	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.781	88	187189	41.802	ng 99
3) Pyridine	3.534	79	435192	39.620	ng 99
4) n-Nitrosodimethylamine	3.481	42	222631	42.519	ng 100
6) Aniline	6.540	93	484108	36.064	ng 100
8) 2-Chlorophenol	6.663	128	523341	44.153	ng 99
9) Benzaldehyde	6.428	77	161299	21.195	ng 100
10) Phenol	6.516	94	614836	42.950	ng 96
11) bis(2-Chloroethyl)ether	6.610	93	460371	42.829	ng 99
12) 1,3-Dichlorobenzene	6.816	146	547988	42.823	ng 100
13) 1,4-Dichlorobenzene	6.892	146	556911	43.013	ng 100
14) 1,2-Dichlorobenzene	7.045	146	534852	43.858	ng 99
15) Benzyl Alcohol	7.016	79	471295	42.842	ng 98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	523711	40.357	ng 99
17) 2-Methylphenol	7.122	107	419477	44.510	ng 98
18) Hexachloroethane	7.387	117	207547	42.748	ng 98
19) n-Nitroso-di-n-propyla...	7.292	70	358439	40.995	ng 100
20) 3+4-Methylphenols	7.275	107	531297	44.013	ng 94
22) Acetophenone	7.287	105	793124	47.151	ng 99
24) Nitrobenzene	7.457	77	541451	43.637	ng 100
25) Isophorone	7.698	82	997958	45.232	ng 100
26) 2-Nitrophenol	7.775	139	279514	45.898	ng 99
27) 2,4-Dimethylphenol	7.804	122	459597	54.809	ng 97
28) bis(2-Chloroethoxy)met...	7.904	93	590404	42.665	ng 99
29) 2,4-Dichlorophenol	8.010	162	455855	43.797	ng 99
30) 1,2,4-Trichlorobenzene	8.098	180	495238	43.176	ng 98
31) Naphthalene	8.181	128	1520406	42.138	ng 100
32) Benzoic acid	7.934	122	383964	52.090	ng 99
33) 4-Chloroaniline	8.222	127	231327	18.162	ng 99
34) Hexachlorobutadiene	8.298	225	329952	44.109	ng 99
35) Caprolactam	8.598	113	81354	25.637	ng 92
36) 4-Chloro-3-methylphenol	8.704	107	500230	43.084	ng 98
37) 2-Methylnaphthalene	8.869	142	1001009	41.506	ng 100
38) 1-Methylnaphthalene	8.969	142	974037	41.853	ng 100
40) 1,2,4,5-Tetrachloroben...	9.039	216	583297	47.688	ng 97
41) Hexachlorocyclopentadiene	9.022	237	787555	164.521	ng 100
43) 2,4,6-Trichlorophenol	9.145	196	360707	45.123	ng 99

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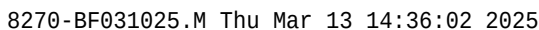
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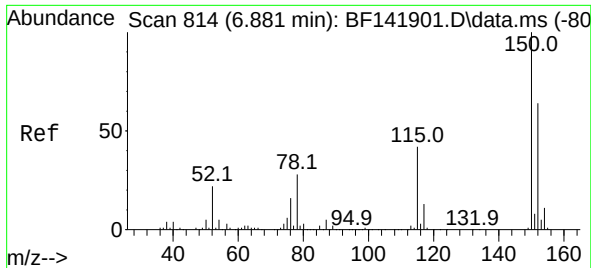
Quant Time: Mar 13 14:35:48 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	370018	45.703	ng	99
46) 1,1'-Biphenyl	9.334	154	1464225	47.967	ng	100
47) 2-Chloronaphthalene	9.363	162	994179	43.696	ng	99
48) 2-Nitroaniline	9.451	65	298045	45.243	ng	98
49) Acenaphthylene	9.775	152	1557169	46.120	ng	100
50) Dimethylphthalate	9.639	163	1194632	42.463	ng	100
51) 2,6-Dinitrotoluene	9.698	165	263529	44.989	ng	94
52) Acenaphthene	9.951	154	1177793	49.639	ng	98
53) 3-Nitroaniline	9.863	138	159486	26.841	ng	98
54) 2,4-Dinitrophenol	9.969	184	320573	94.980	ng	# 52
55) Dibenzofuran	10.122	168	1424322	42.011	ng	99
56) 4-Nitrophenol	10.022	139	435956	97.292	ng	99
57) 2,4-Dinitrotoluene	10.098	165	359870	47.038	ng	97
58) Fluorene	10.463	166	1136451	43.467	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323646	43.930	ng	100
60) Diethylphthalate	10.339	149	1198598	42.727	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	594729	43.631	ng	99
62) 4-Nitroaniline	10.480	138	255806	44.221	ng	99
63) Azobenzene	10.616	77	1090059	41.795	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	203376	49.919	ng	95
66) n-Nitrosodiphenylamine	10.575	169	990749	44.799	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	379973	44.271	ng	97
68) Hexachlorobenzene	11.010	284	442267	46.983	ng	95
69) Atrazine	11.098	200	400827	59.122	ng	99
70) Pentachlorophenol	11.204	266	554214	95.557	ng	99
71) Phenanthrene	11.427	178	1661922	45.023	ng	100
72) Anthracene	11.475	178	1697853	45.846	ng	100
73) Carbazole	11.627	167	1421538	44.509	ng	100
74) Di-n-butylphthalate	11.957	149	1824481	43.052	ng	100
75) Fluoranthene	12.610	202	1694947	43.287	ng	100
77) Benzidine	12.727	184	545926	89.476	ng	100
78) Pyrene	12.839	202	1692747	44.748	ng	99
80) Butylbenzylphthalate	13.457	149	646504	43.665	ng	98
81) Benzo(a)anthracene	14.021	228	1329501	46.329	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	247002	29.785	ng	99
83) Chrysene	14.063	228	1152190	44.293	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	866554	42.448	ng	99
85) Di-n-octyl phthalate	14.627	149	1235348	43.491	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1234216	48.584	ng	98
88) Benzo(b)fluoranthene	15.074	252	1060224	39.392	ng	99
89) Benzo(k)fluoranthene	15.104	252	1055343	45.819	ng	99
90) Benzo(a)pyrene	15.445	252	995119	47.252	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	1018402	48.588	ng	99
92) Benzo(g,h,i)perylene	17.445	276	942720	45.514	ng	98

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

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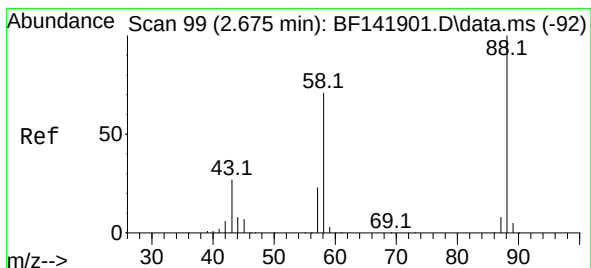
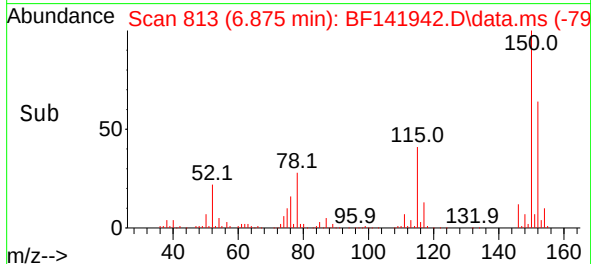
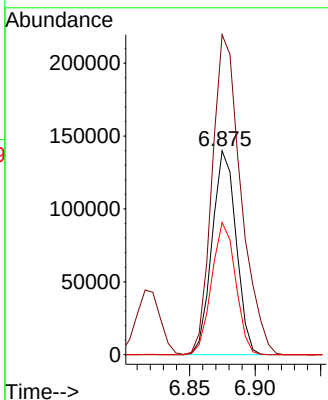
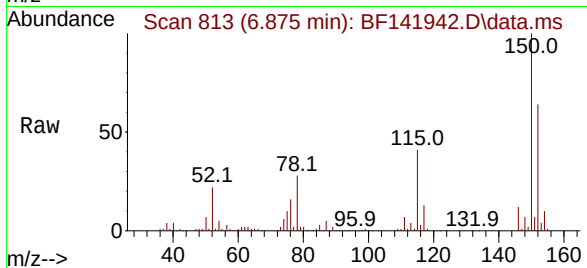




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

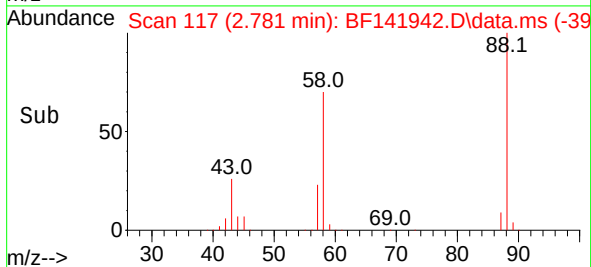
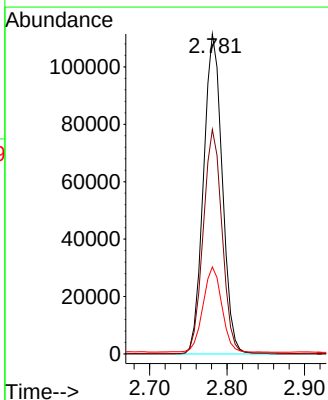
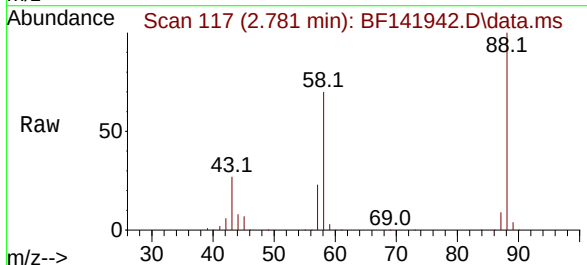
Instrument :
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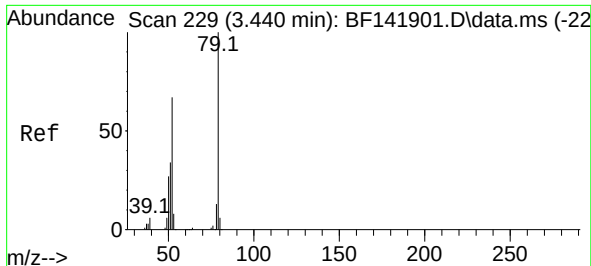
Tgt Ion:152 Resp: 178366
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 64.9 51.9 77.9



#2
1,4-Dioxane
Concen: 41.802 ng
RT: 2.781 min Scan# 117
Delta R.T. 0.106 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 88 Resp: 187189
Ion Ratio Lower Upper
88 100
58 70.1 57.4 86.2
43 26.8 21.5 32.3

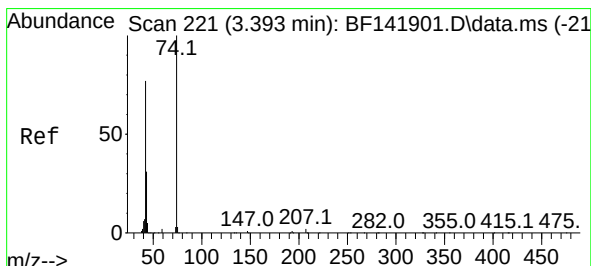
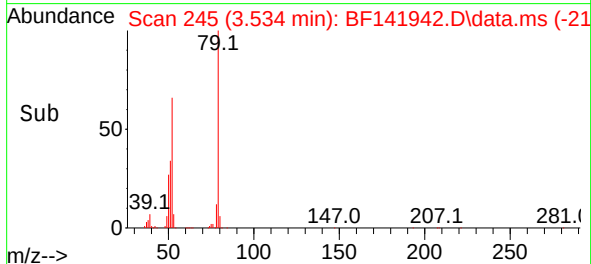
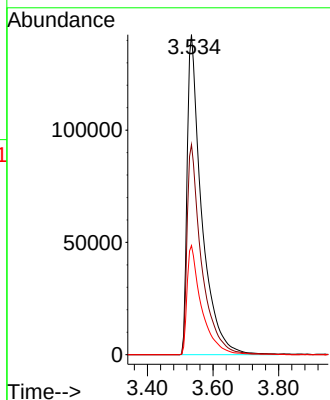
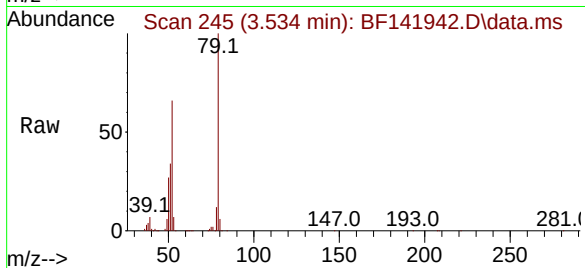




#3
Pyridine
Concen: 39.620 ng
RT: 3.534 min Scan# 245
Delta R.T. 0.094 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

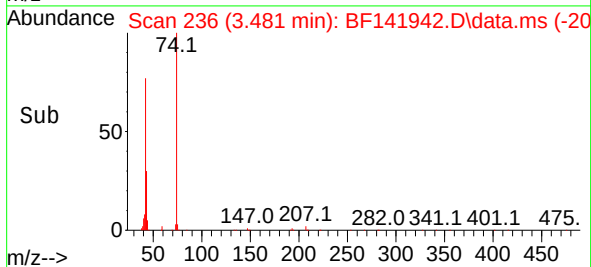
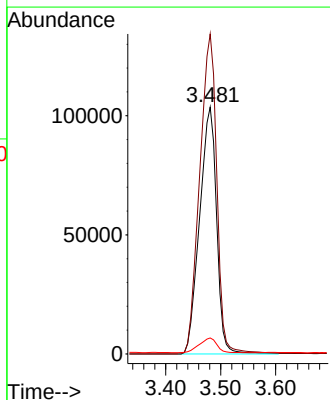
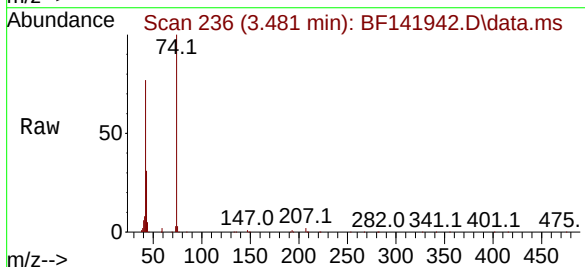
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ClientSampleId :
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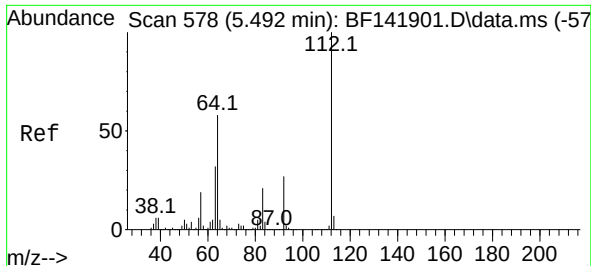
Tgt Ion: 79 Resp: 435192
Ion Ratio Lower Upper
79 100
52 65.7 53.3 79.9
51 34.1 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 42.519 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.088 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 42 Resp: 222631
Ion Ratio Lower Upper
42 100
74 129.6 103.4 155.0
44 6.5 5.0 7.4

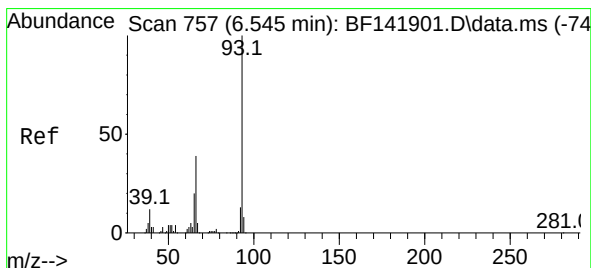
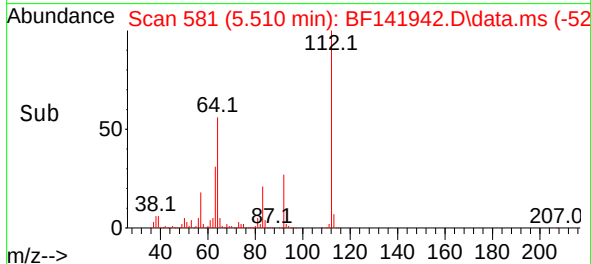
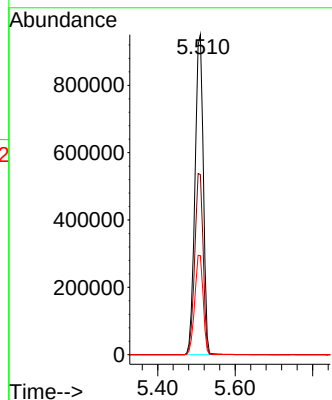
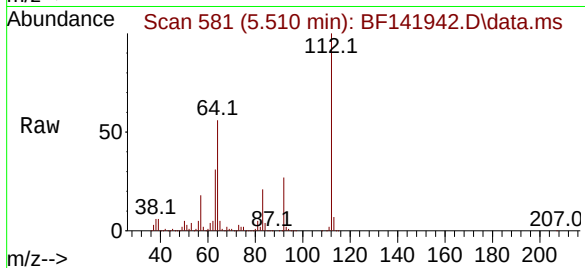




#5
2-Fluorophenol
Concen: 132.254 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

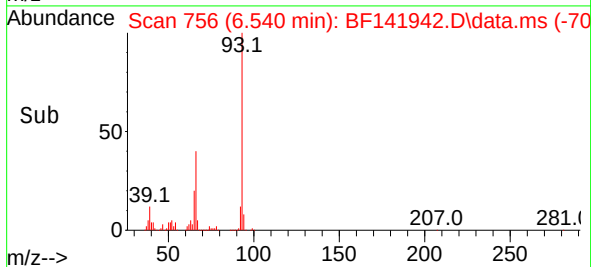
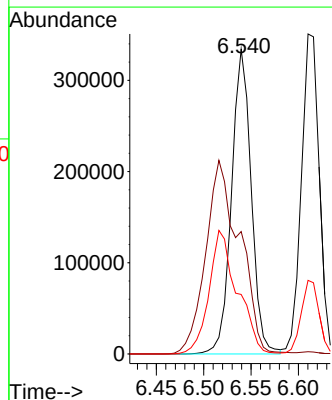
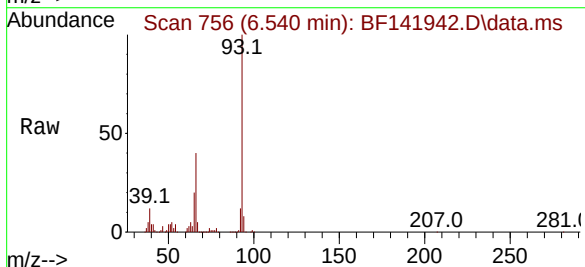
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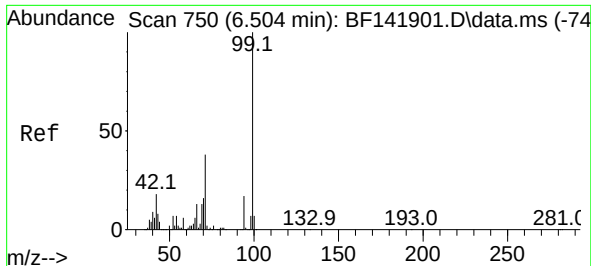
Tgt Ion:112 Resp: 1413436
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 30.9 25.4 38.2



#6
Aniline
Concen: 36.064 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 484108
Ion Ratio Lower Upper
93 100
66 40.1 31.9 47.9
65 19.5 15.8 23.6

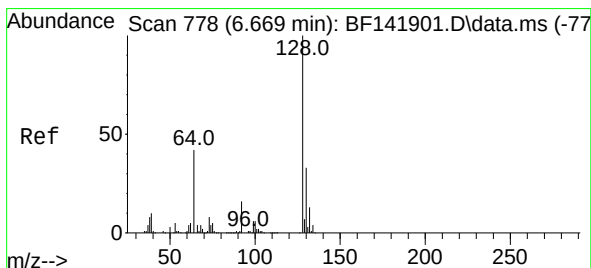
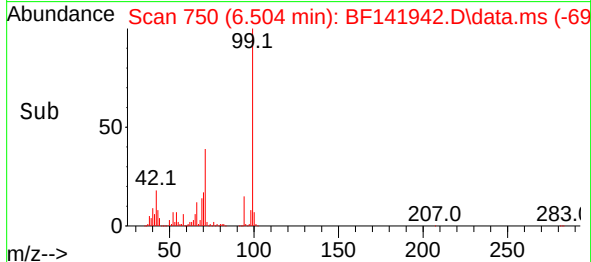
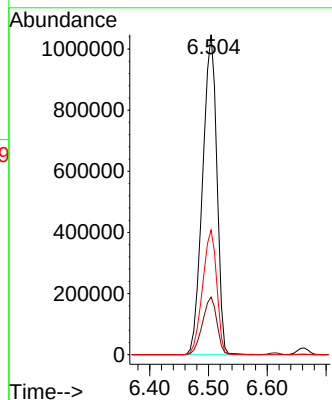
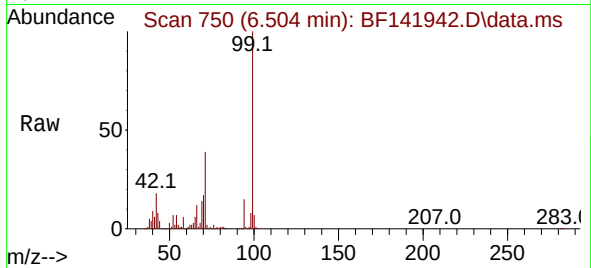




#7
Phenol-d6
Concen: 129.108 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

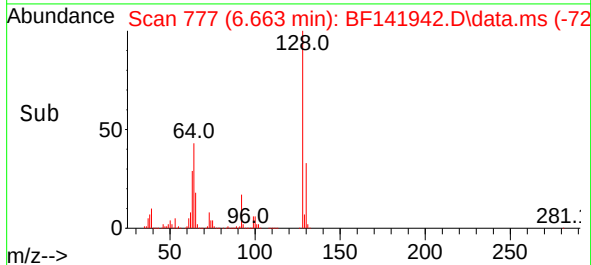
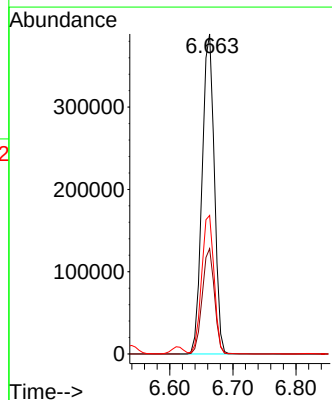
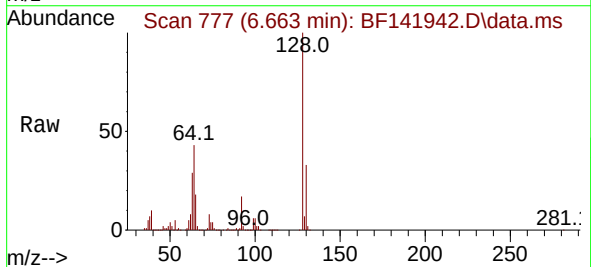
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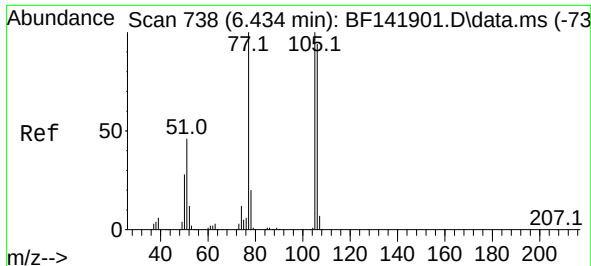
Tgt Ion: 99 Resp: 1756797
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 39.0 30.8 46.2



#8
2-Chlorophenol
Concen: 44.153 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:128 Resp: 523341
Ion Ratio Lower Upper
128 100
130 32.9 12.8 52.8
64 43.3 24.4 64.4

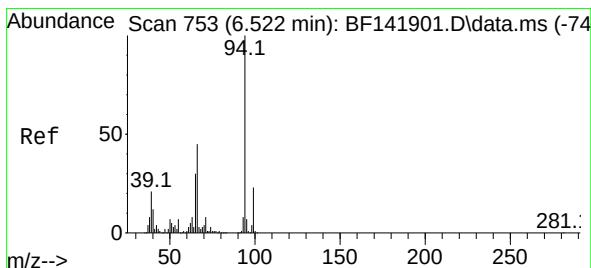
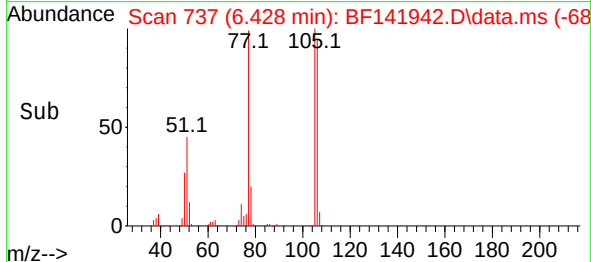
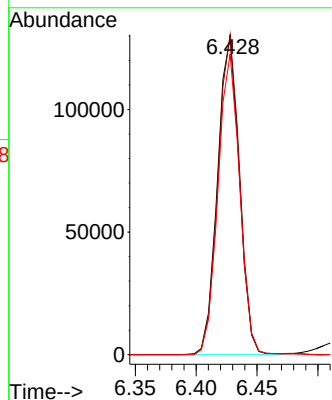
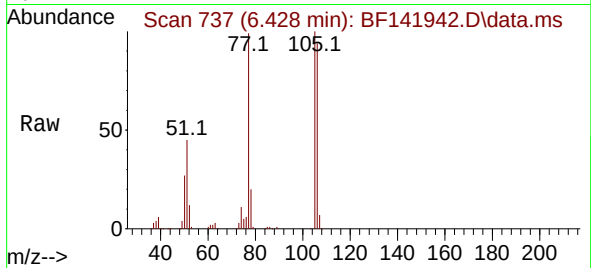




#9
Benzaldehyde
Concen: 21.195 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

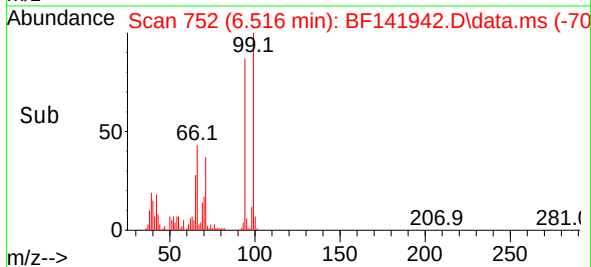
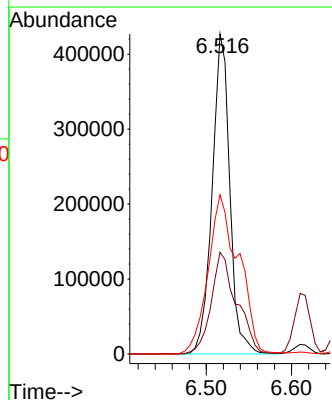
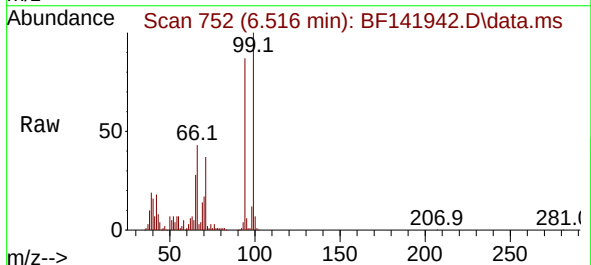
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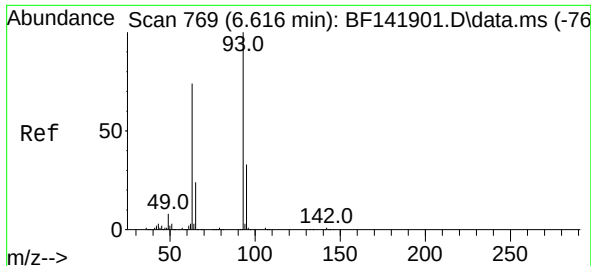
Tgt Ion: 77 Resp: 161299
Ion Ratio Lower Upper
77 100
105 100.8 80.0 120.0
106 94.6 74.5 114.5



#10
Phenol
Concen: 42.950 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 94 Resp: 614836
Ion Ratio Lower Upper
94 100
65 31.7 10.5 50.5
66 49.7 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 42.829 ng

RT: 6.610 min Scan# 769

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

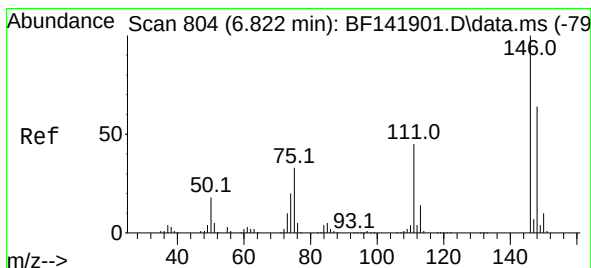
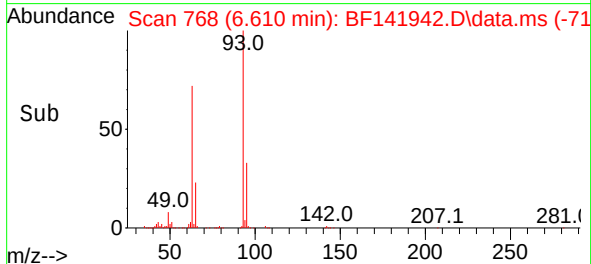
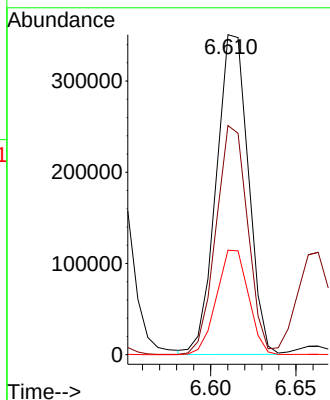
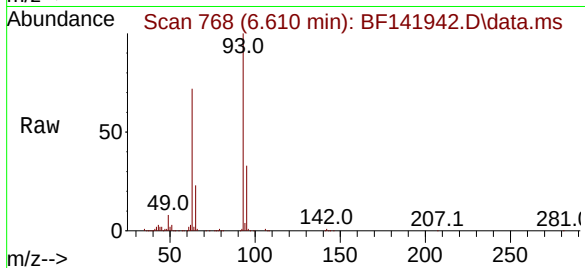
Tgt Ion: 93 Resp: 460371

Ion Ratio Lower Upper

93 100

63 71.6 53.0 93.0

95 32.6 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 42.823 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

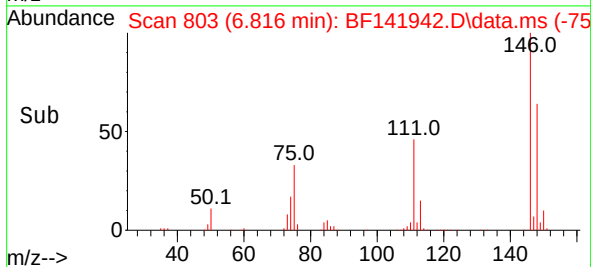
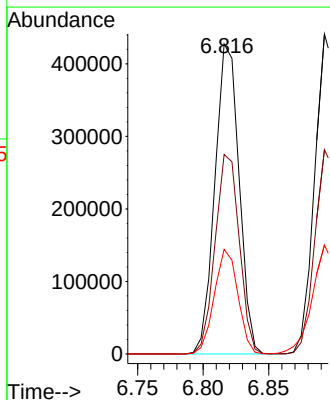
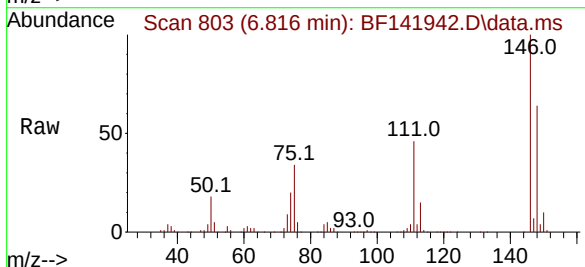
Tgt Ion:146 Resp: 547988

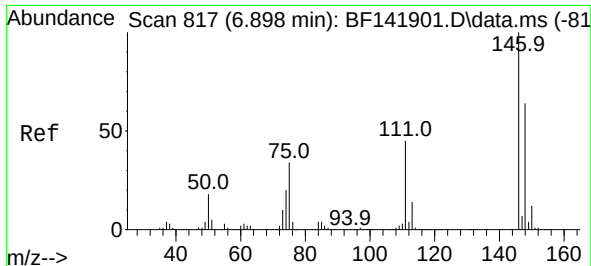
Ion Ratio Lower Upper

146 100

148 64.3 51.3 76.9

75 33.8 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 43.013 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

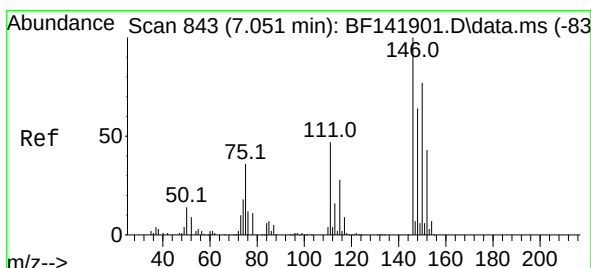
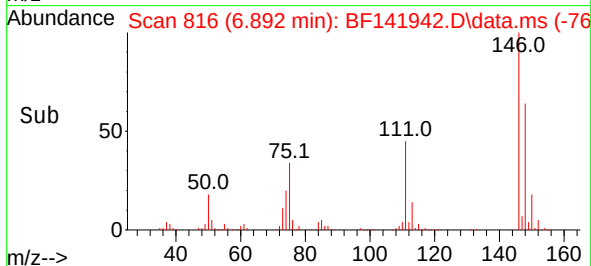
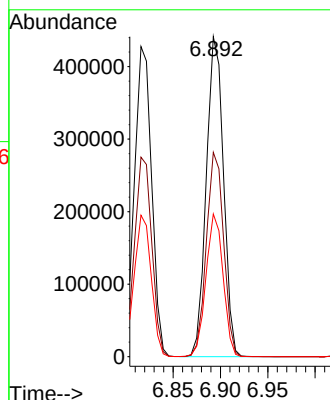
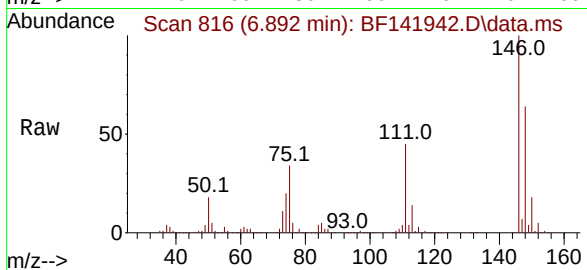
Tgt Ion:146 Resp: 556911

Ion Ratio Lower Upper

146 100

148 63.8 51.0 76.6

111 44.6 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 43.858 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

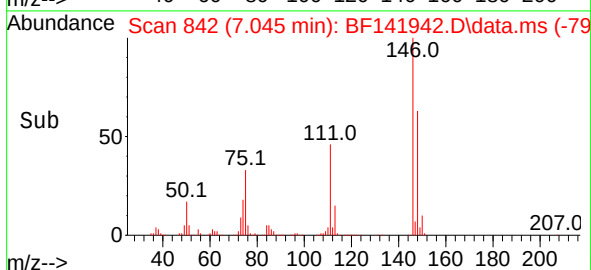
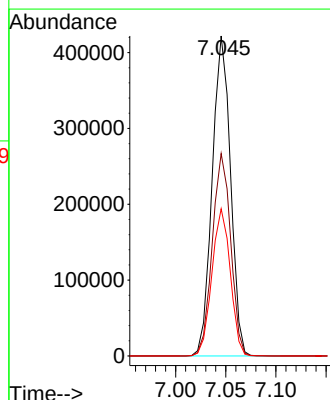
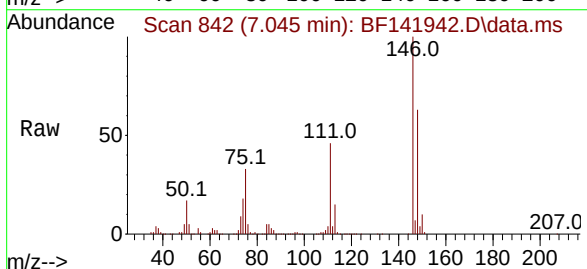
Tgt Ion:146 Resp: 534852

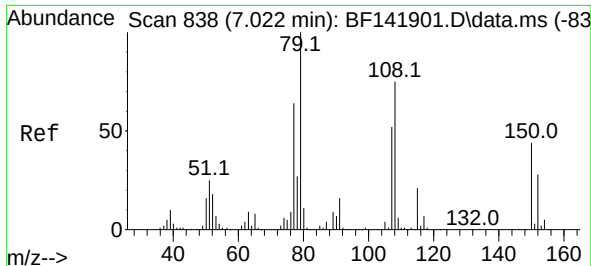
Ion Ratio Lower Upper

146 100

148 63.2 50.8 76.2

111 46.0 38.0 57.0





#15

Benzyl Alcohol

Concen: 42.842 ng

RT: 7.016 min Scan# 841

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

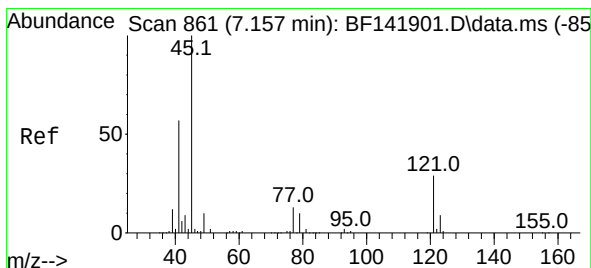
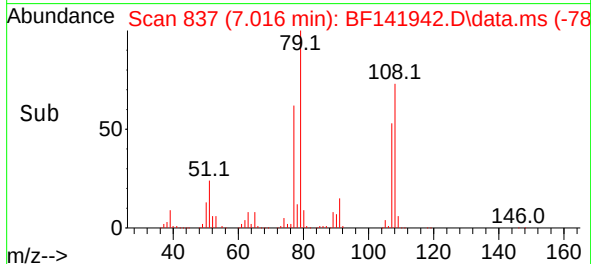
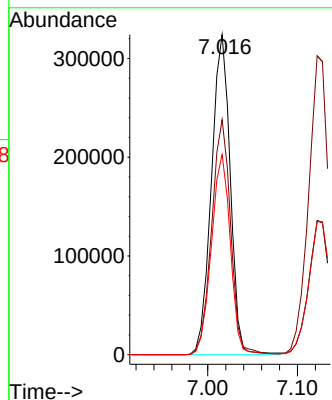
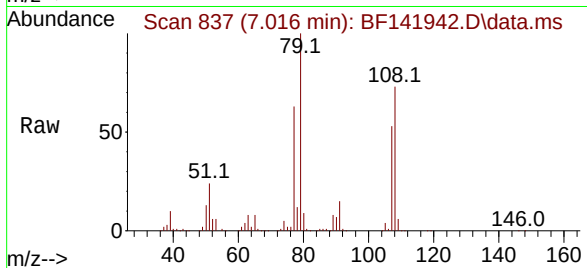
Tgt Ion: 79 Resp: 471295

Ion Ratio Lower Upper

79 100

108 73.4 59.7 89.5

77 62.5 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.357 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

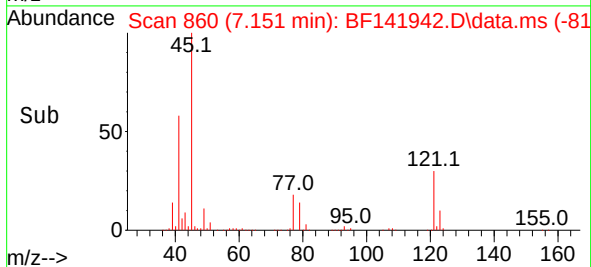
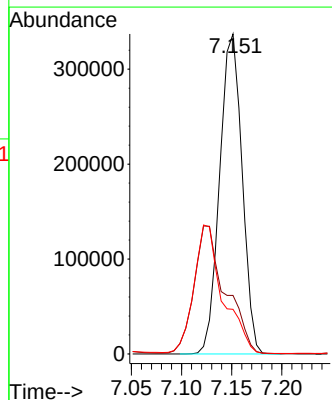
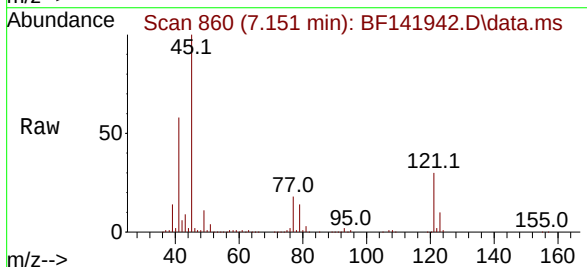
Tgt Ion: 45 Resp: 523711

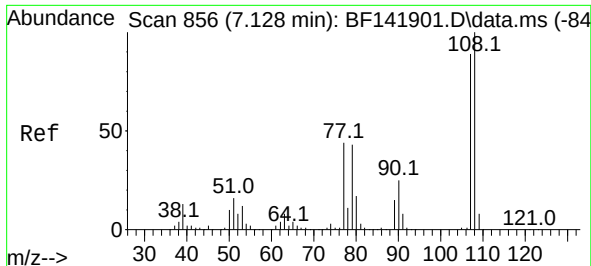
Ion Ratio Lower Upper

45 100

77 18.3 0.0 37.8

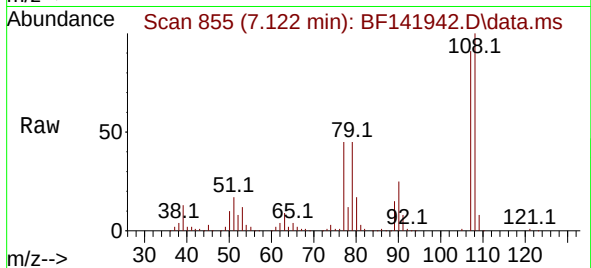
79 14.0 0.0 34.2



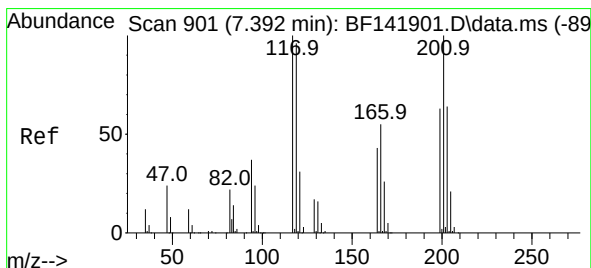
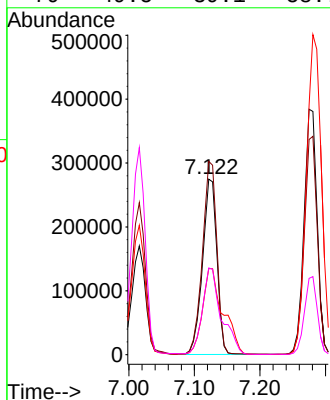
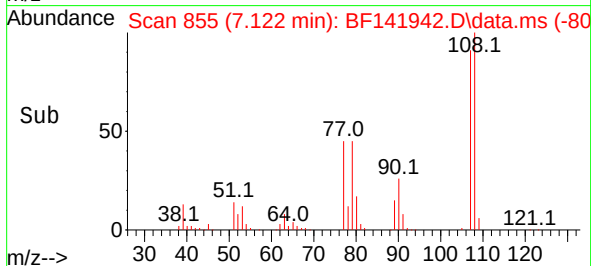


#17
2-Methylphenol
Concen: 44.510 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB167097BSD

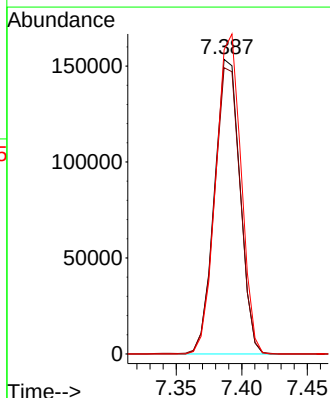
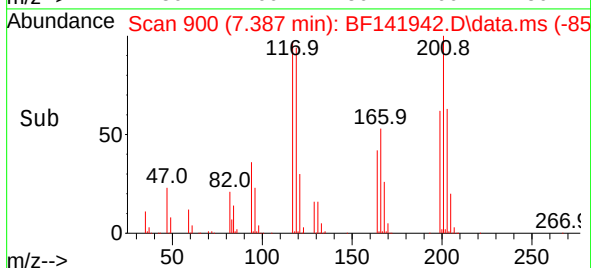
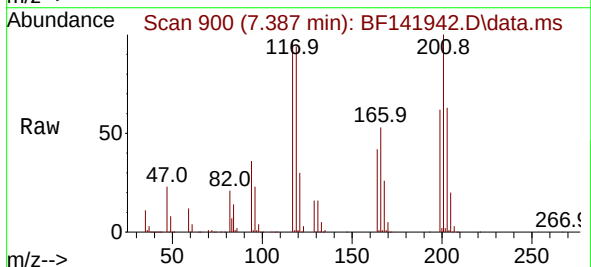


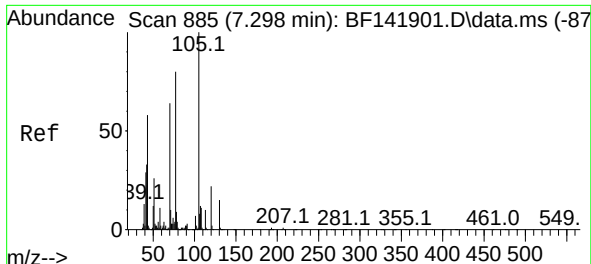
Tgt Ion:	107	Resp:	419477
Ion	Ratio	Lower	Upper
107	100		
108	110.2	90.2	135.2
77	49.1	39.6	59.4
79	49.5	39.1	58.7



#18
Hexachloroethane
Concen: 42.748 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:	117	Resp:	207547
Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.9	115.3
201	103.3	79.9	119.9

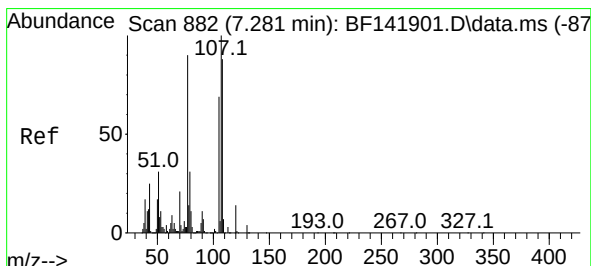
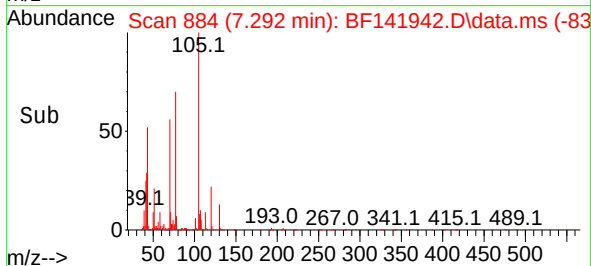
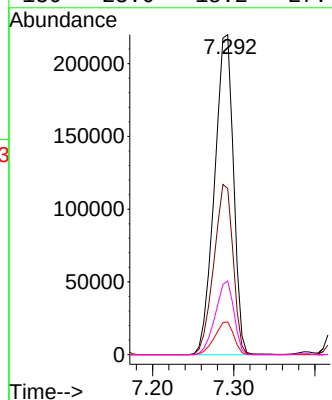
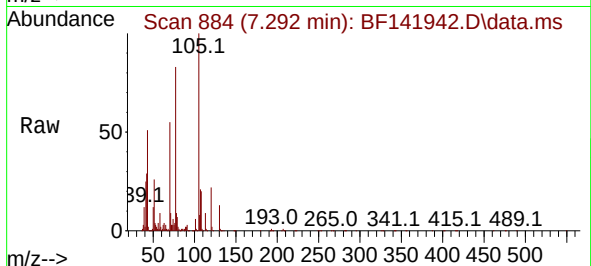




#19
n-Nitroso-di-n-propylamine
Concen: 40.995 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

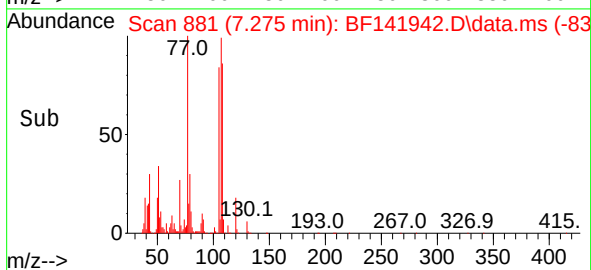
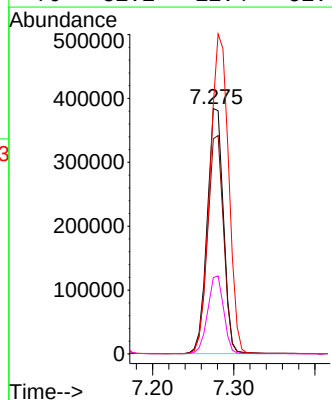
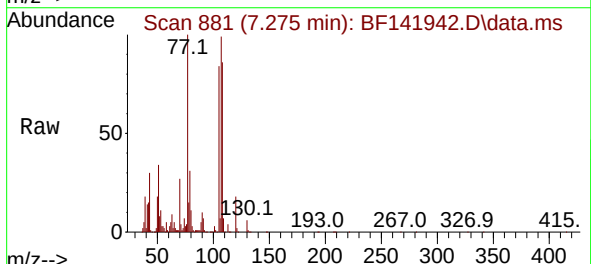
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

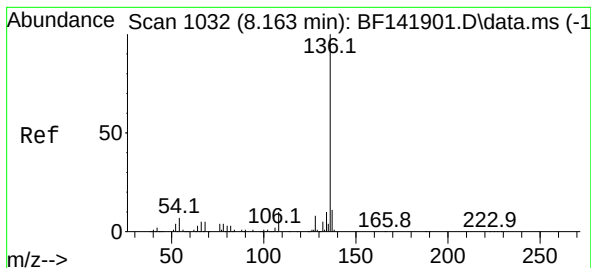
Tgt Ion: 70 Resp: 358439
Ion Ratio Lower Upper
70 100
42 51.9 41.4 62.0
101 10.3 8.2 12.2
130 23.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 44.013 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:107 Resp: 531297
Ion Ratio Lower Upper
107 100
108 87.6 68.4 108.4
77 101.5 69.7 109.7
79 31.1 11.4 51.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:136 Resp: 702401

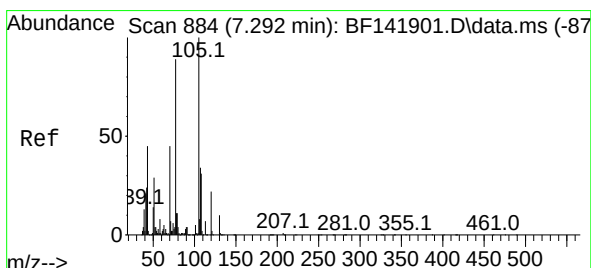
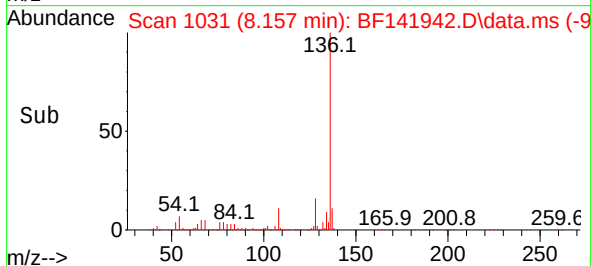
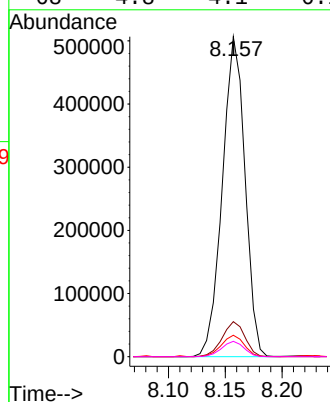
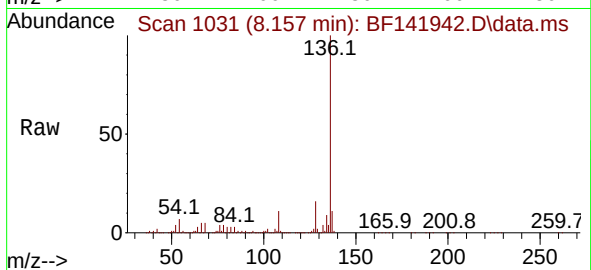
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.7 5.8 8.8

68 4.8 4.1 6.1



#22

Acetophenone

Concen: 47.151 ng

RT: 7.287 min Scan# 883

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:105 Resp: 793124

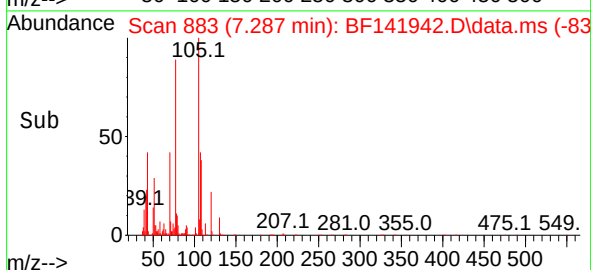
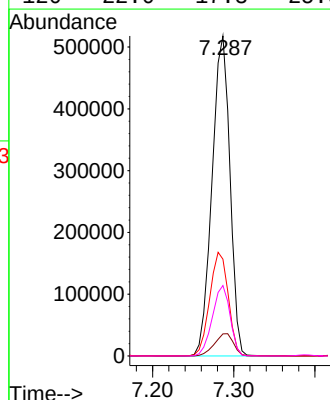
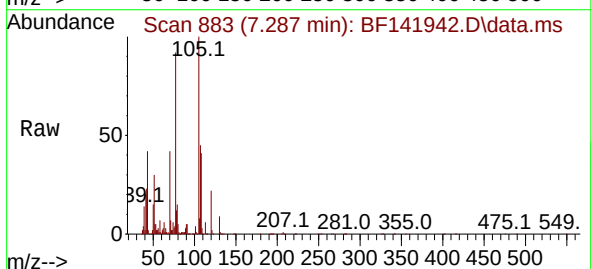
Ion Ratio Lower Upper

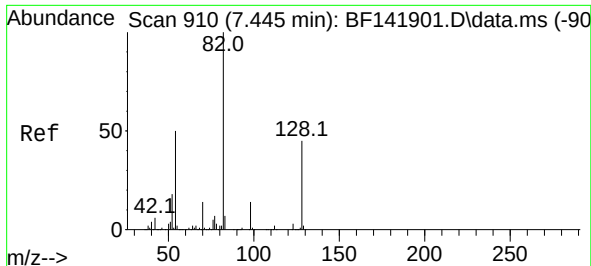
105 100

71 6.9 5.8 8.8

51 30.3 23.4 35.0

120 22.0 17.3 25.9





#23

Nitrobenzene-d5

Concen: 93.200 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

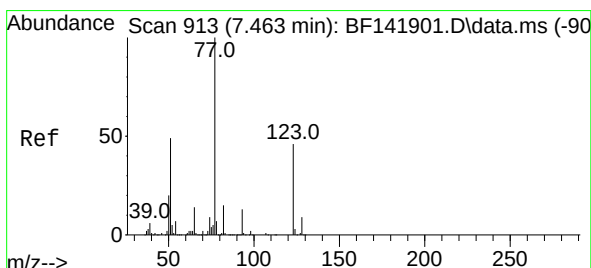
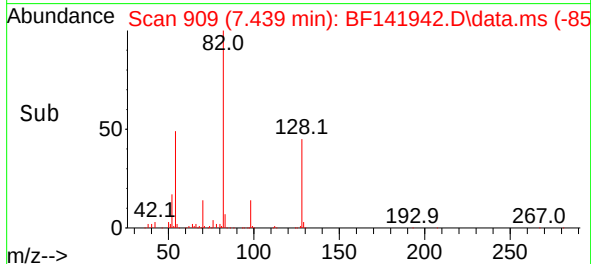
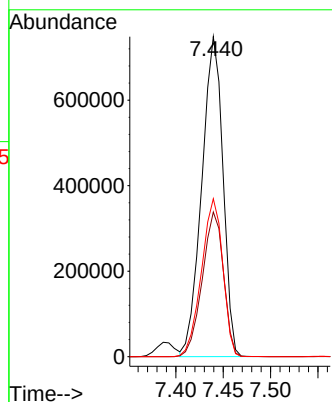
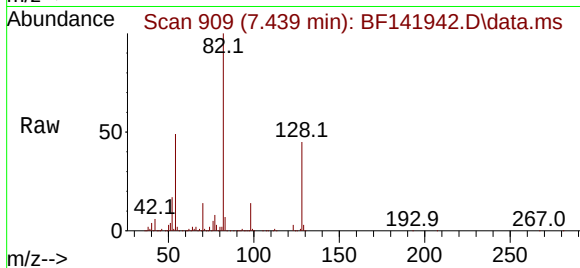
BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion: 82 Resp: 1163264

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.0	54.0
54	49.4	39.6	59.4



#24

Nitrobenzene

Concen: 43.637 ng

RT: 7.457 min Scan# 912

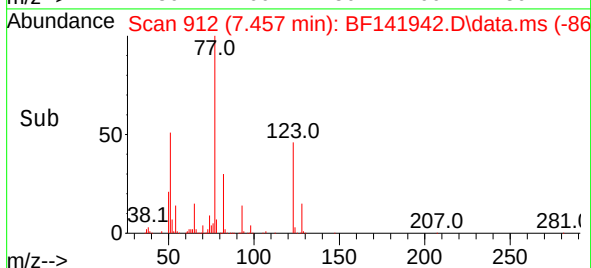
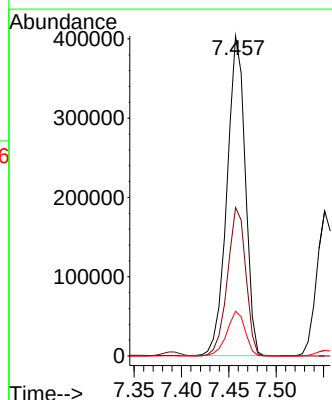
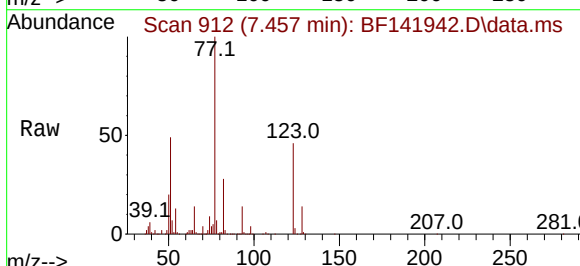
Delta R.T. -0.006 min

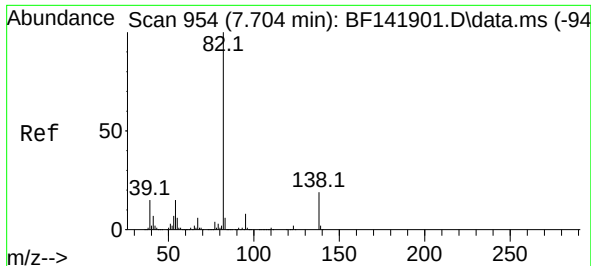
Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion: 77 Resp: 541451

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.0	55.4
65	14.0	11.3	16.9

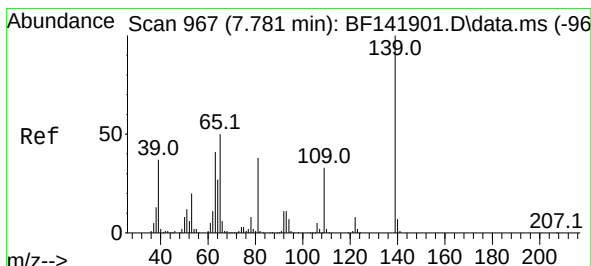
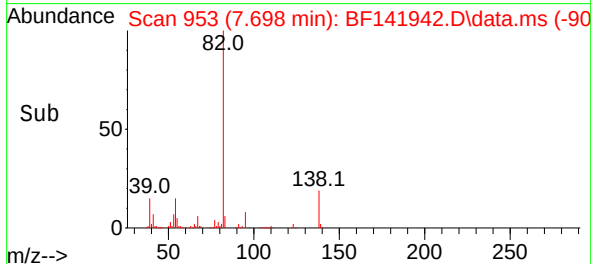
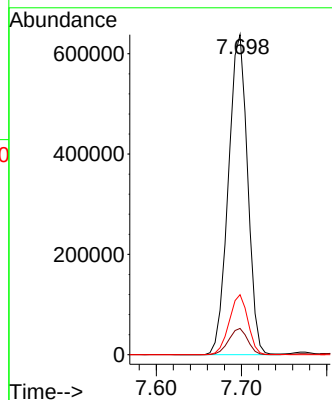
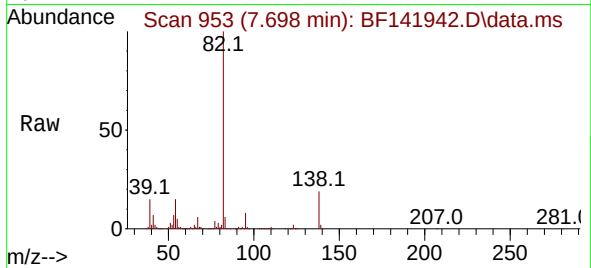




#25
Isophorone
Concen: 45.232 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

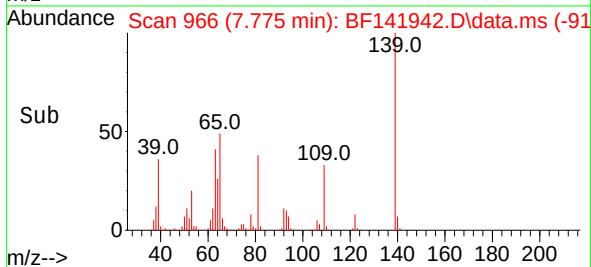
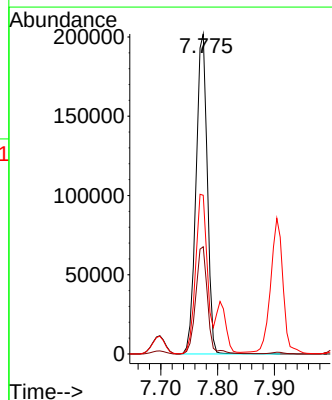
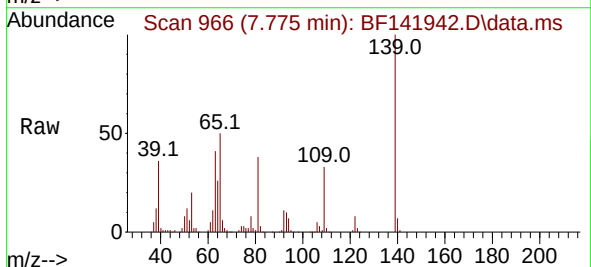
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

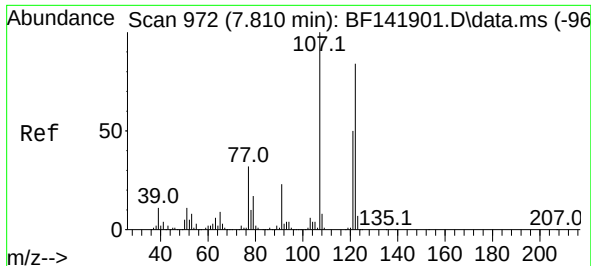
Tgt Ion: 82 Resp: 997958
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.8 14.9 22.3



#26
2-Nitrophenol
Concen: 45.898 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 279514
Ion Ratio Lower Upper
139 100
109 33.5 26.5 39.7
65 49.6 40.3 60.5

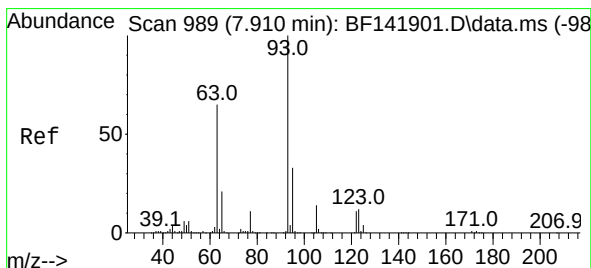
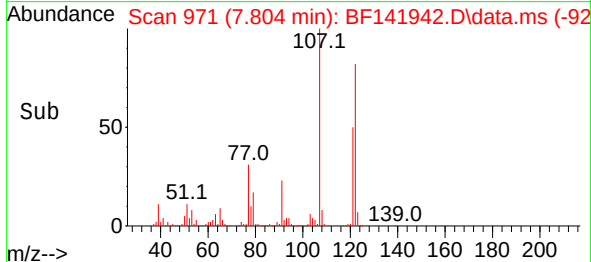
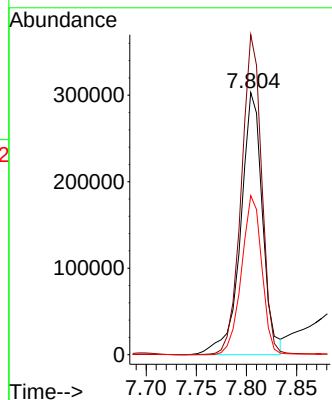
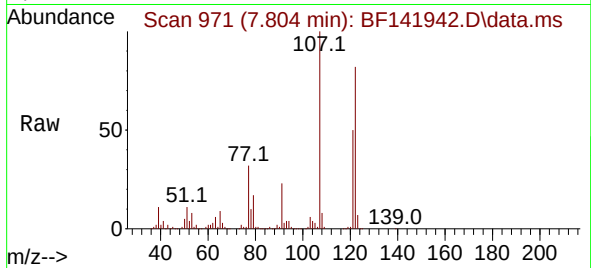




#27
2,4-Dimethylphenol
Concen: 54.809 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

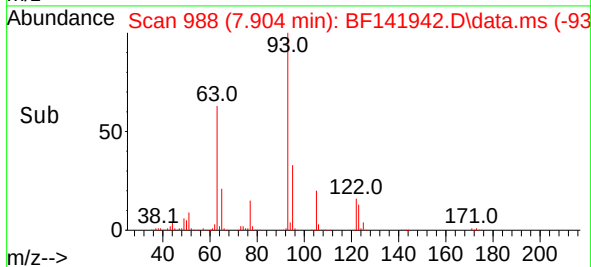
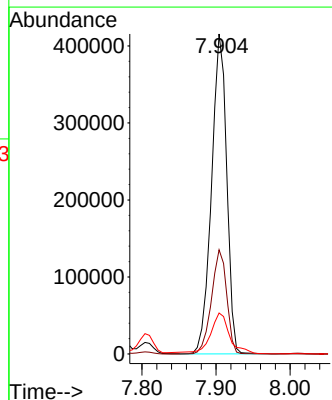
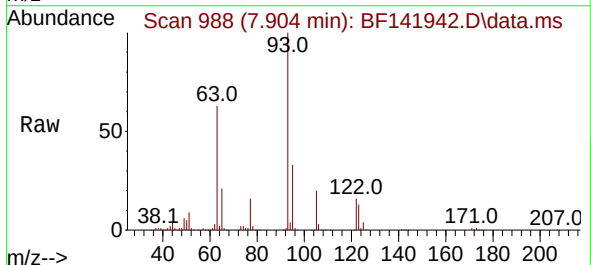
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

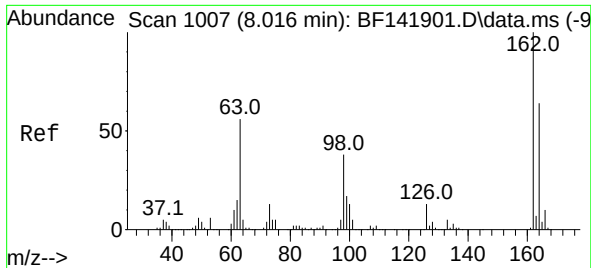
Tgt Ion:122 Resp: 459597
Ion Ratio Lower Upper
122 100
107 122.1 94.8 142.2
121 60.7 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 42.665 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion: 93 Resp: 590404
Ion Ratio Lower Upper
93 100
95 32.6 26.6 40.0
123 12.8 10.2 15.4

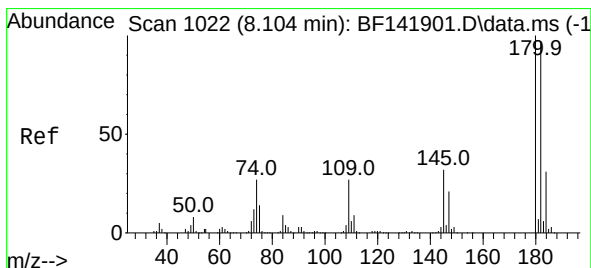
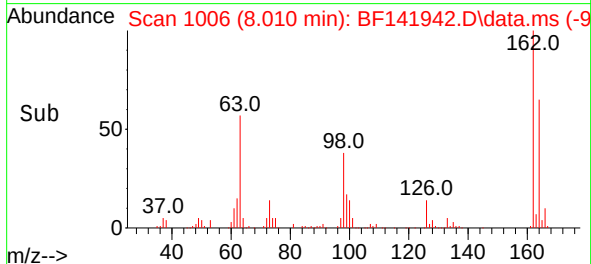
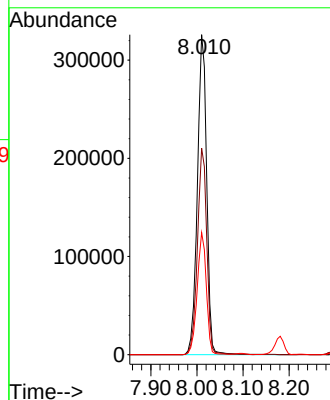
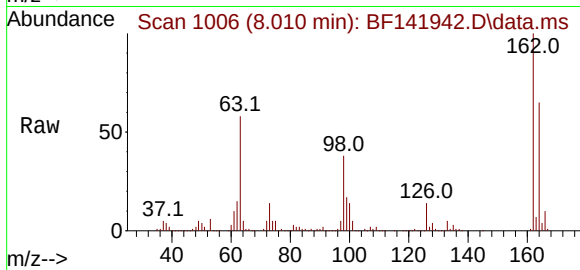




#29
2,4-Dichlorophenol
Concen: 43.797 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

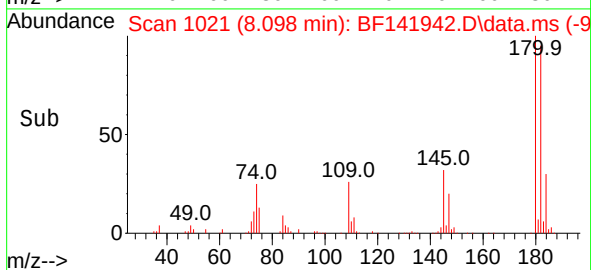
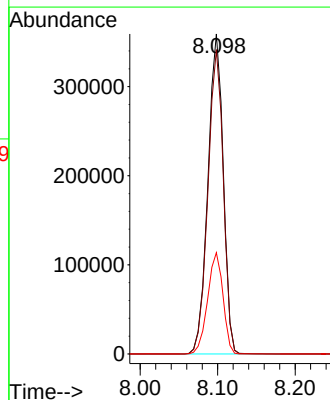
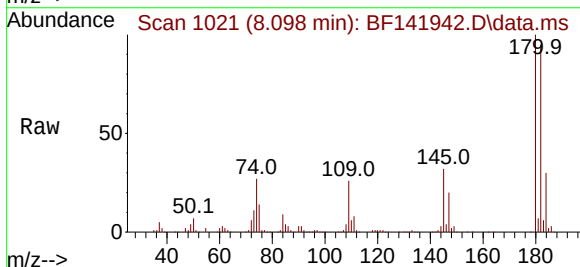
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

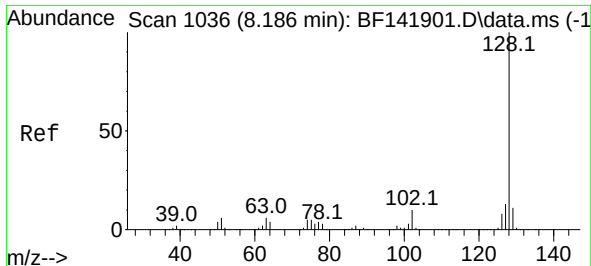
Tgt Ion:162 Resp: 455855
Ion Ratio Lower Upper
162 100
164 64.6 43.8 83.8
98 38.2 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 43.176 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:180 Resp: 495238
Ion Ratio Lower Upper
180 100
182 95.1 77.5 116.3
145 31.6 25.8 38.6

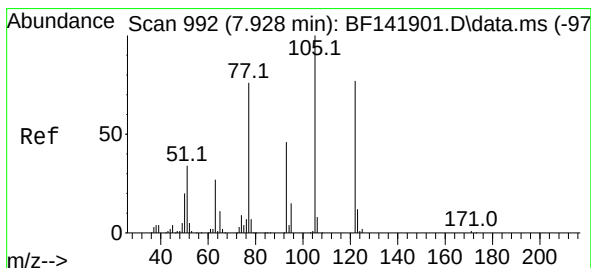
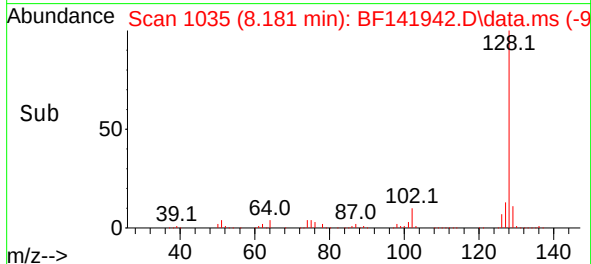
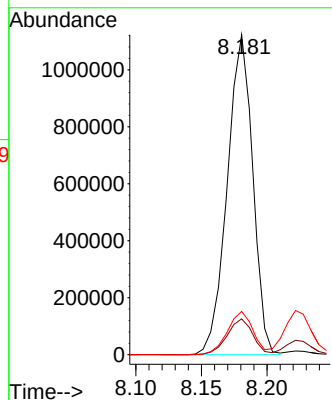
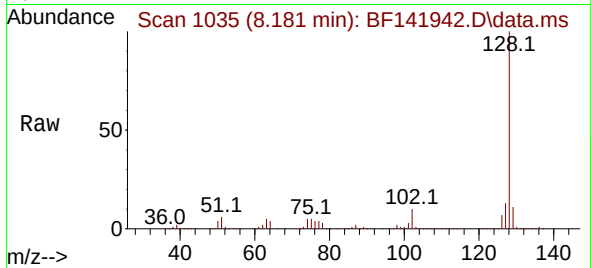




#31
Naphthalene
Concen: 42.138 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

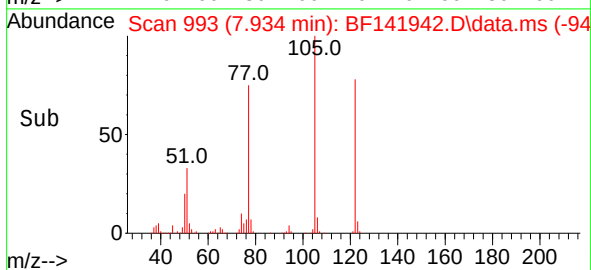
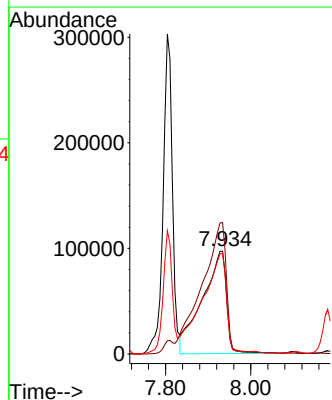
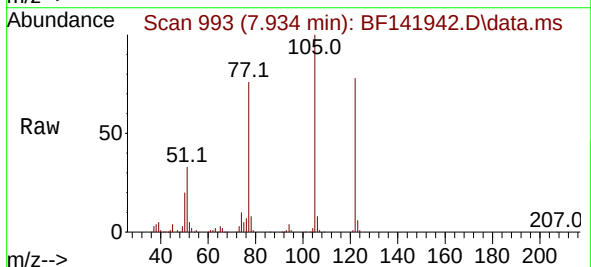
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

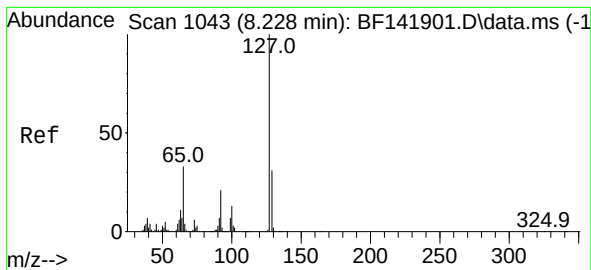
Tgt Ion:128 Resp: 1520406
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 52.090 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:122 Resp: 383964
Ion Ratio Lower Upper
122 100
105 128.0 107.9 147.9
77 97.8 79.0 119.0





#33

4-Chloroaniline

Concen: 18.162 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

Tgt Ion:127 Resp: 231327

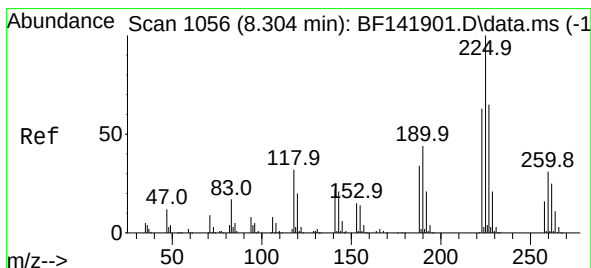
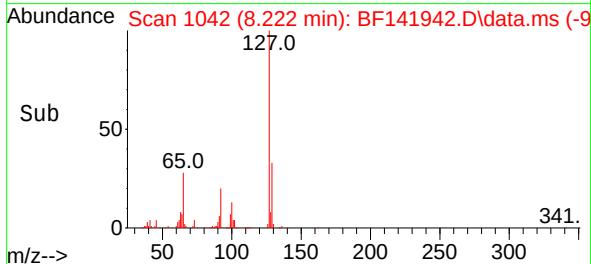
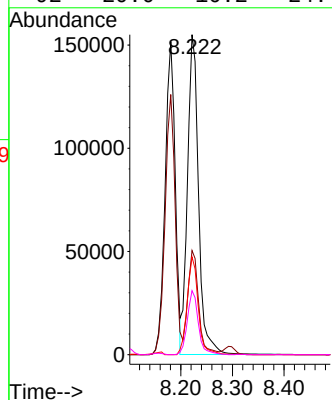
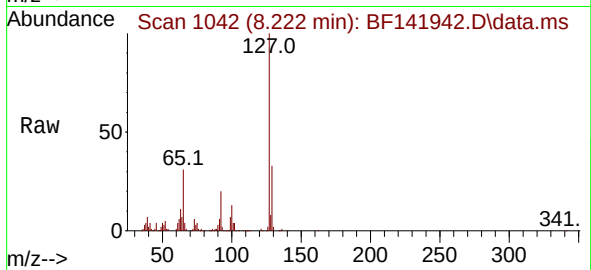
Ion Ratio Lower Upper

127 100

129 32.6 26.2 39.4

65 30.5 25.4 38.2

92 20.0 16.2 24.4



#34

Hexachlorobutadiene

Concen: 44.109 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

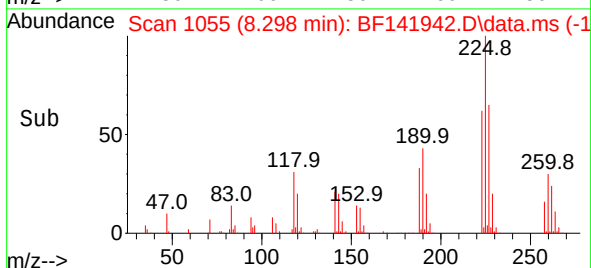
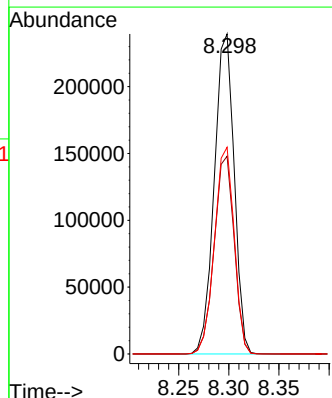
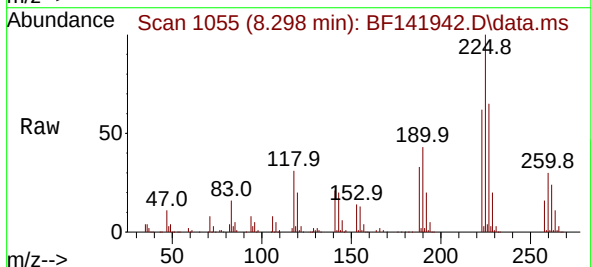
Tgt Ion:225 Resp: 329952

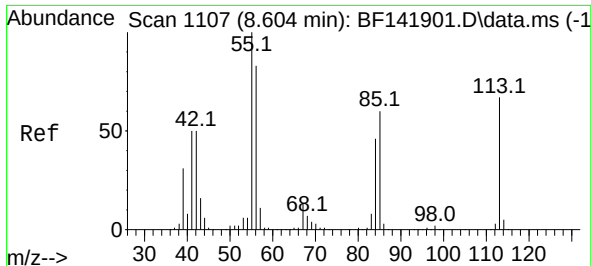
Ion Ratio Lower Upper

225 100

223 61.8 50.6 75.8

227 64.6 52.2 78.2





#35

Caprolactam

Concen: 25.637 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

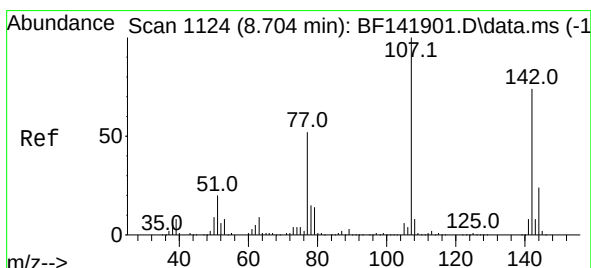
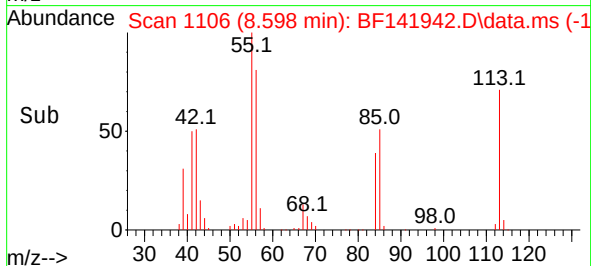
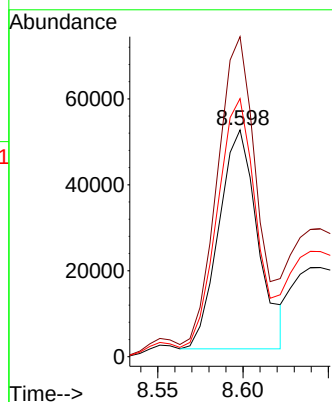
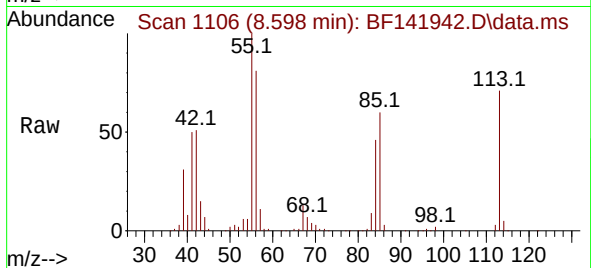
Tgt Ion:113 Resp: 81354

Ion Ratio Lower Upper

113 100

55 141.1 129.6 169.6

56 113.8 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 43.084 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

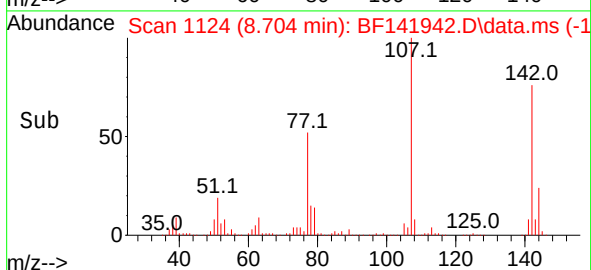
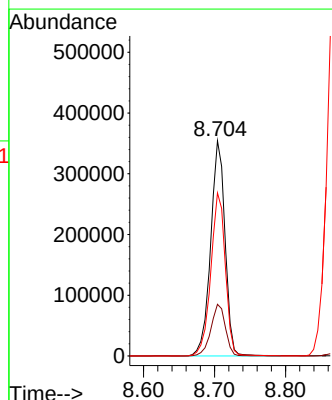
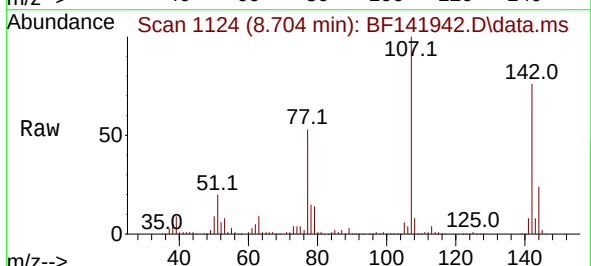
Tgt Ion:107 Resp: 500230

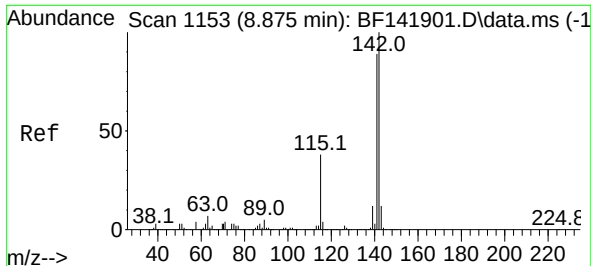
Ion Ratio Lower Upper

107 100

144 24.1 19.0 28.6

142 75.8 59.2 88.8





#37

2-Methylnaphthalene

Concen: 41.506 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

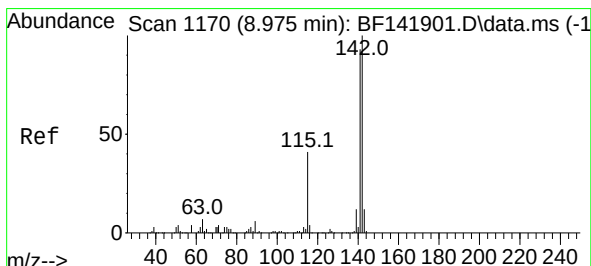
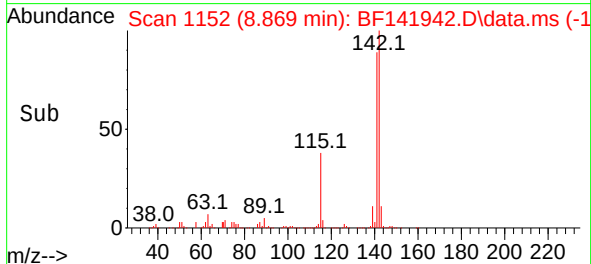
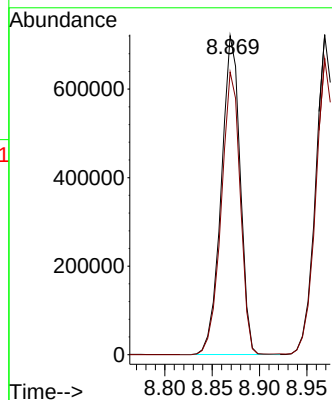
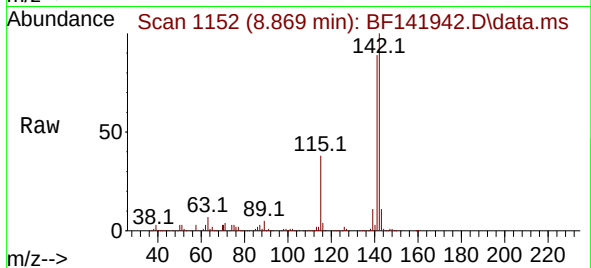
PB167097BSD

Tgt Ion:142 Resp: 1001009

Ion Ratio Lower Upper

142 100

141 88.7 71.2 106.8



#38

1-Methylnaphthalene

Concen: 41.853 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141942.D

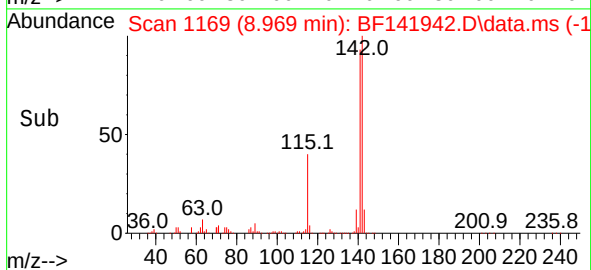
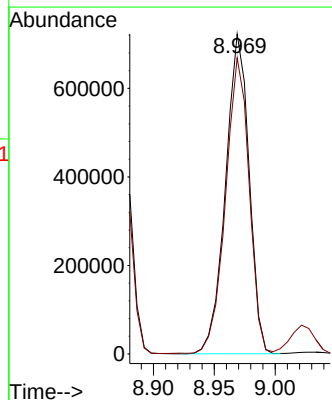
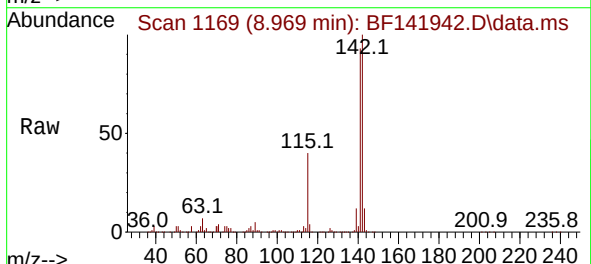
Acq: 13 Mar 2025 13:47

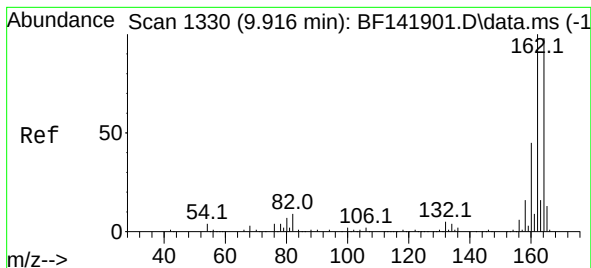
Tgt Ion:142 Resp: 974037

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

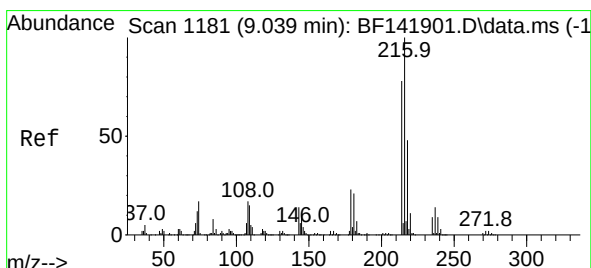
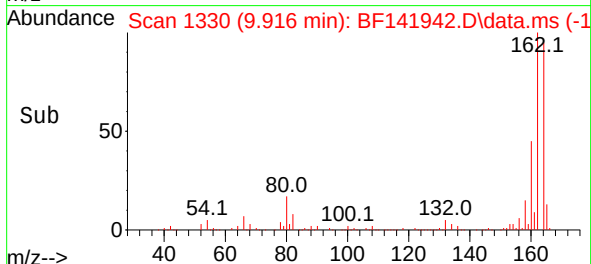
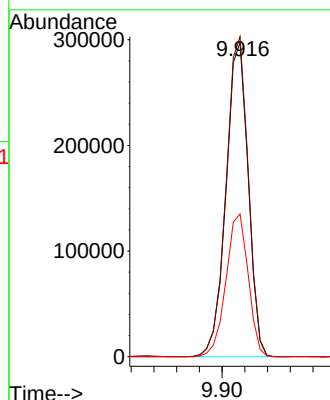
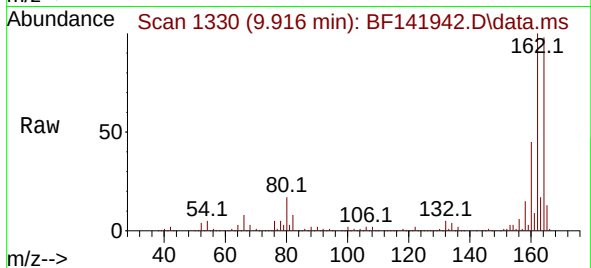
Tgt Ion:164 Resp: 401749

Ion Ratio Lower Upper

164 100

162 101.8 81.8 122.6

160 45.4 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.688 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:216 Resp: 583297

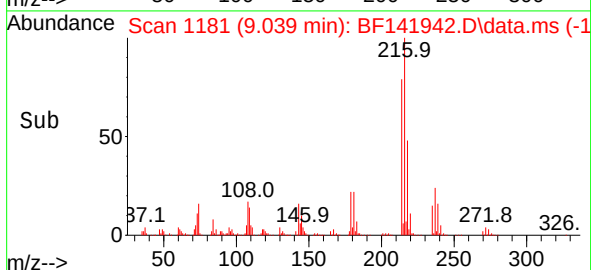
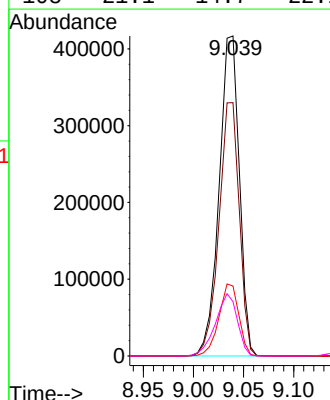
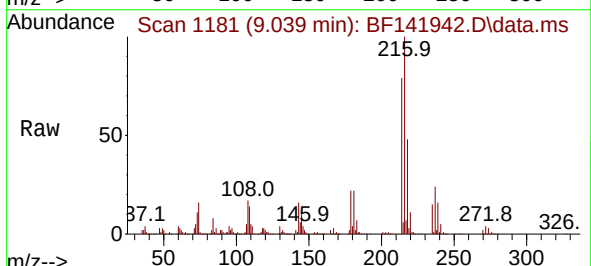
Ion Ratio Lower Upper

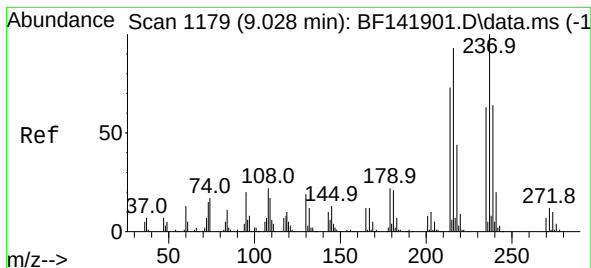
216 100

214 79.7 61.9 92.9

179 22.2 18.1 27.1

108 21.1 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 164.521 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

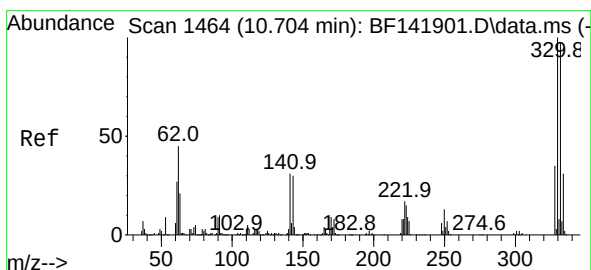
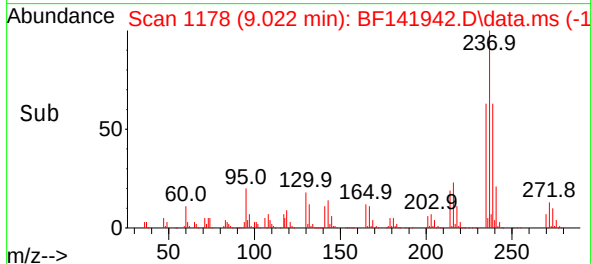
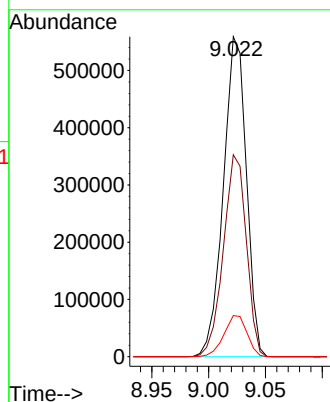
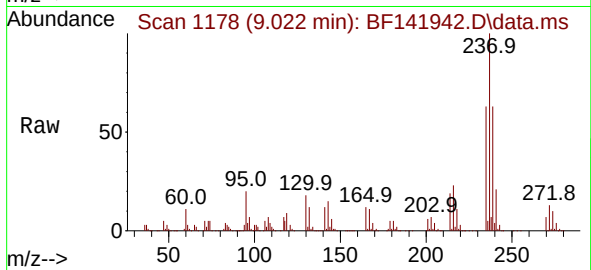
Tgt Ion:237 Resp: 787555

Ion Ratio Lower Upper

237 100

235 63.1 43.1 83.1

272 12.9 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 151.406 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

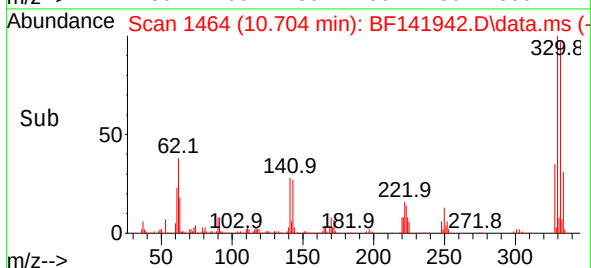
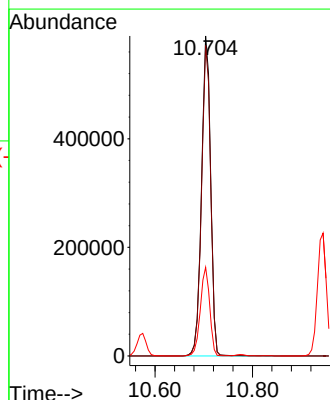
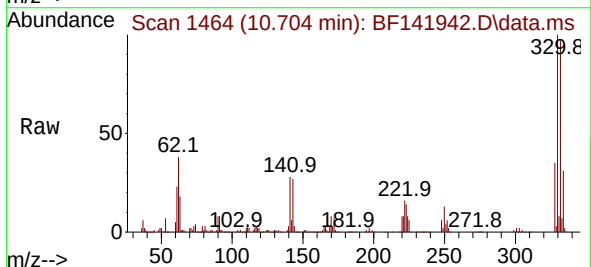
Tgt Ion:330 Resp: 771672

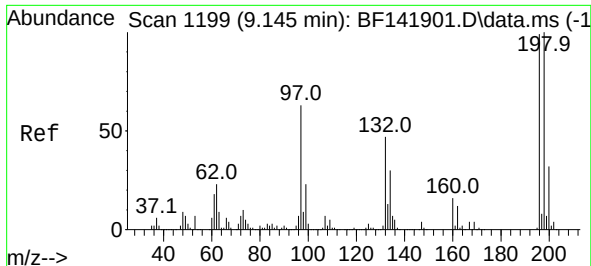
Ion Ratio Lower Upper

330 100

332 97.0 77.6 116.4

141 28.4 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 45.123 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

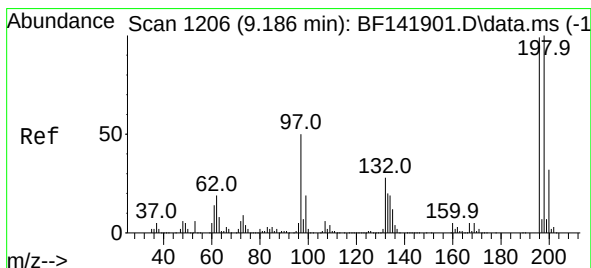
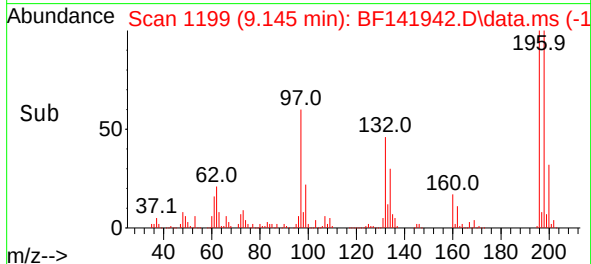
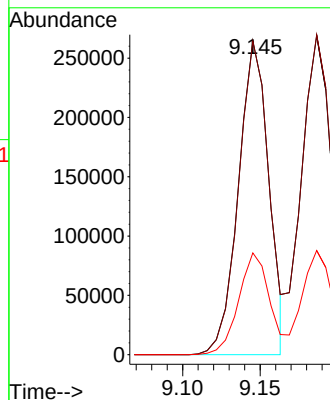
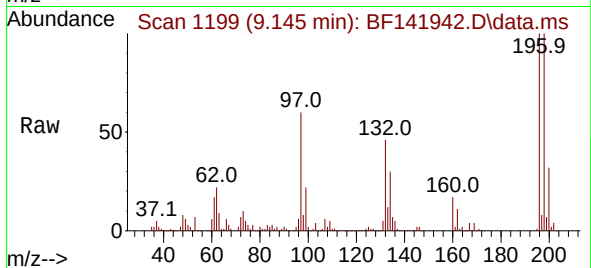
Tgt Ion:196 Resp: 360707

Ion Ratio Lower Upper

196 100

198 99.8 80.6 121.0

200 32.4 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 45.703 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Tgt Ion:196 Resp: 370018

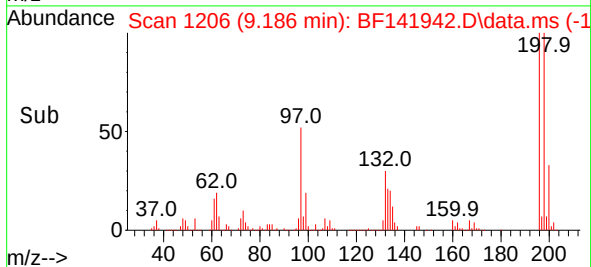
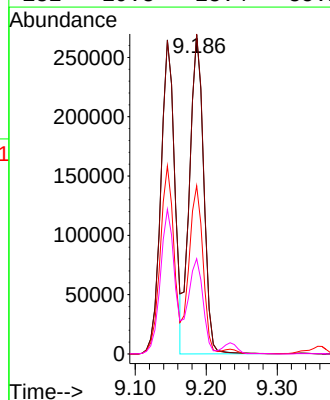
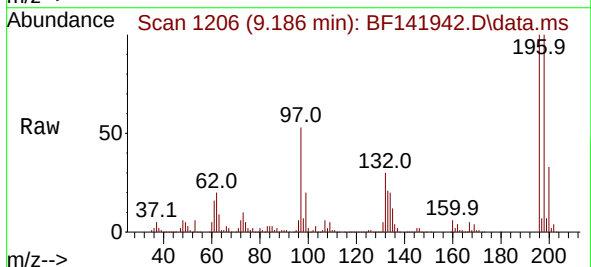
Ion Ratio Lower Upper

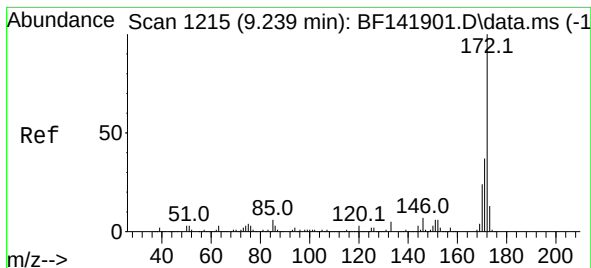
196 100

198 100.3 80.7 121.1

97 52.7 42.1 63.1

132 29.8 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 93.823 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

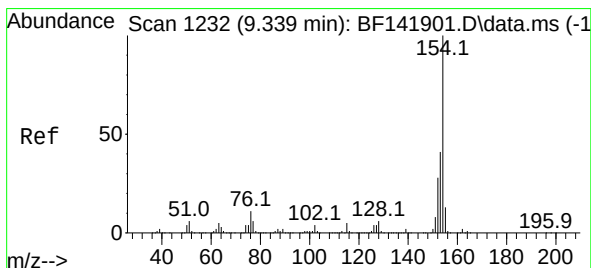
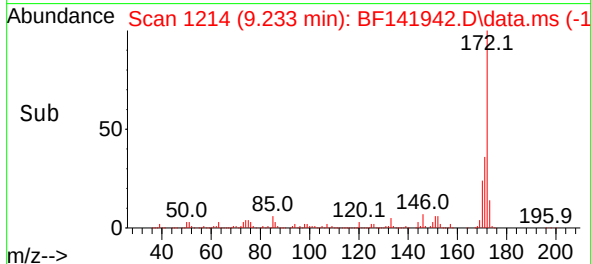
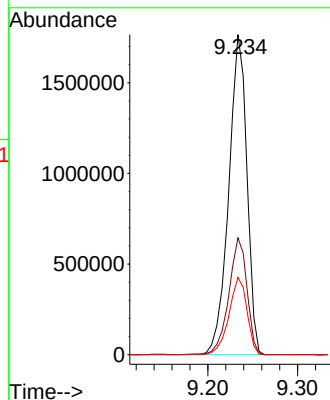
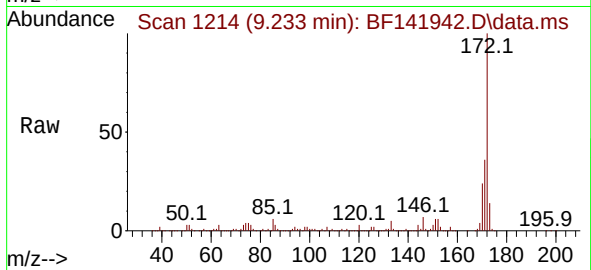
Tgt Ion:172 Resp: 2478502

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

170 24.2 19.4 29.0



#46

1,1'-Biphenyl

Concen: 47.967 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

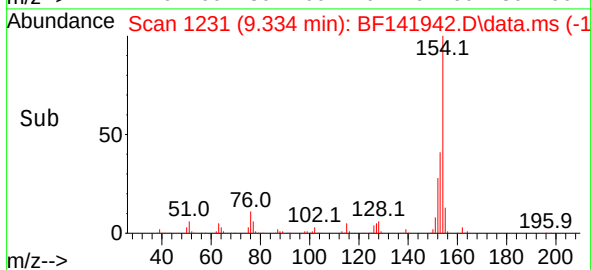
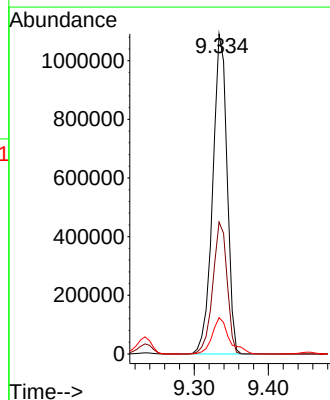
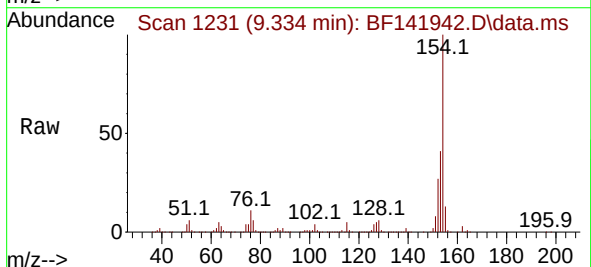
Tgt Ion:154 Resp: 1464225

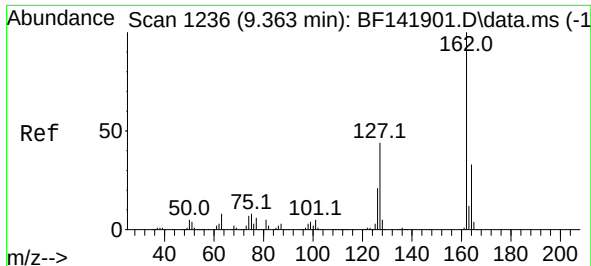
Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 11.3 0.0 31.3





#47

2-Chloronaphthalene

Concen: 43.696 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

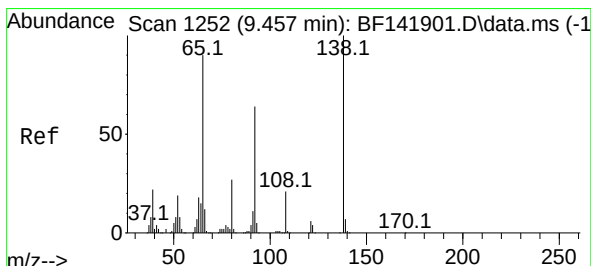
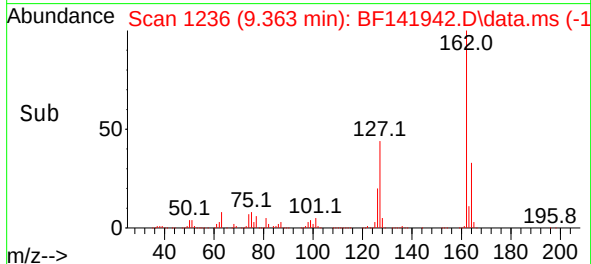
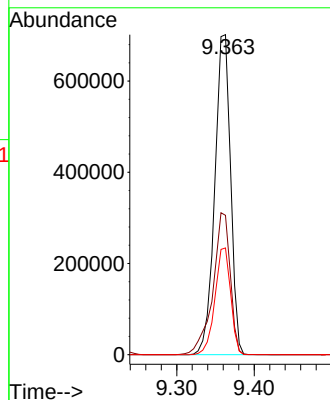
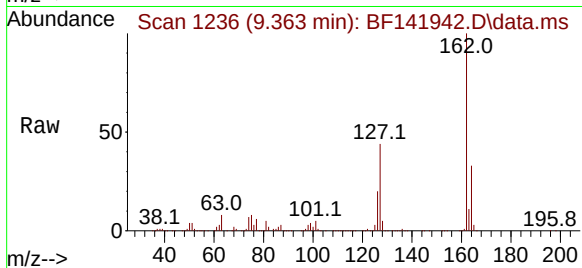
Tgt Ion:162 Resp: 994179

Ion Ratio Lower Upper

162 100

127 43.6 35.5 53.3

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 45.243 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

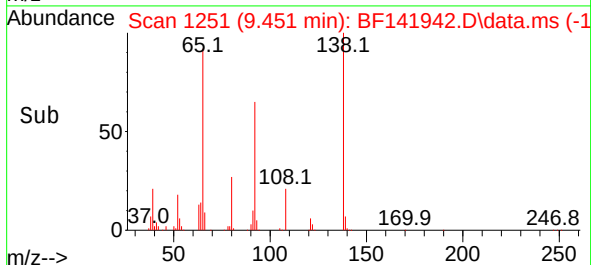
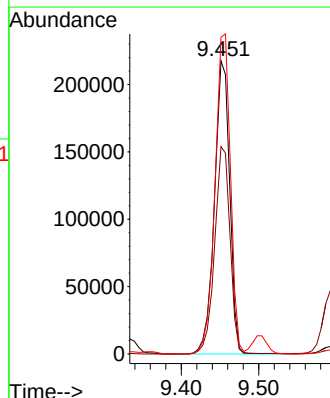
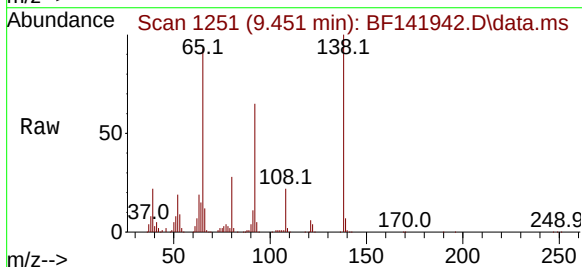
Tgt Ion: 65 Resp: 298045

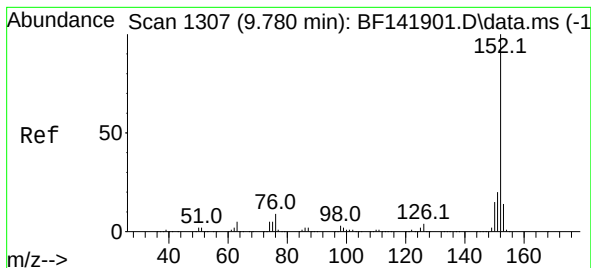
Ion Ratio Lower Upper

65 100

92 70.7 56.6 84.8

138 108.1 88.6 133.0





#49

Acenaphthylene

Concen: 46.120 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

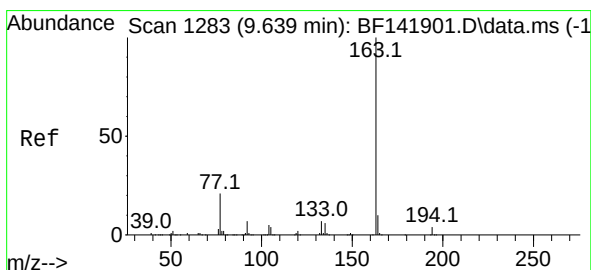
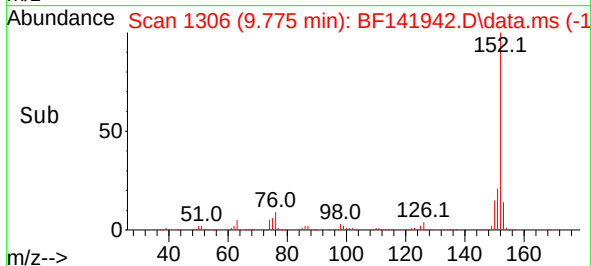
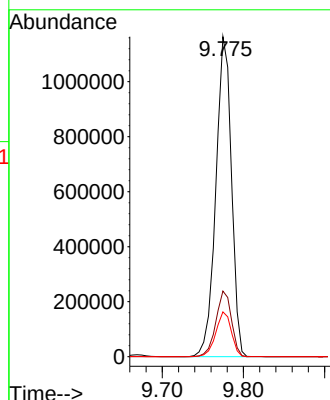
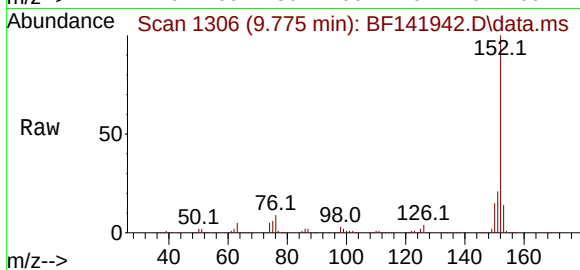
Tgt Ion:152 Resp: 1557169

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 14.0 11.1 16.7



#50

Dimethylphthalate

Concen: 42.463 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

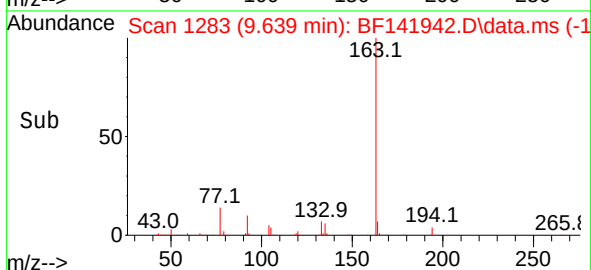
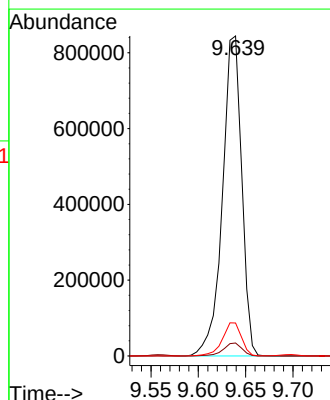
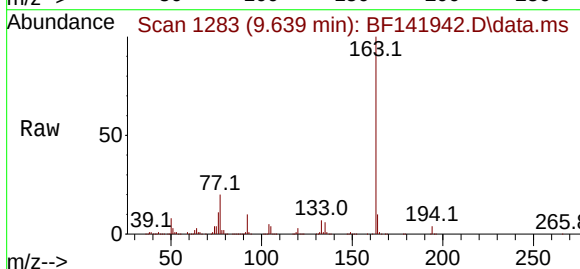
Tgt Ion:163 Resp: 1194632

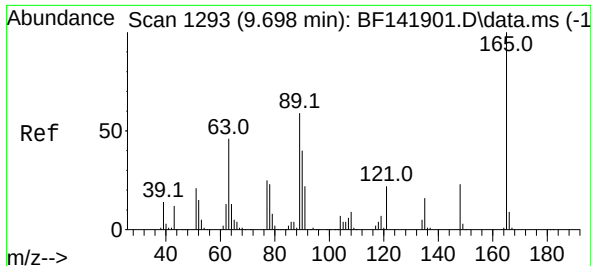
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.3 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 44.989 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

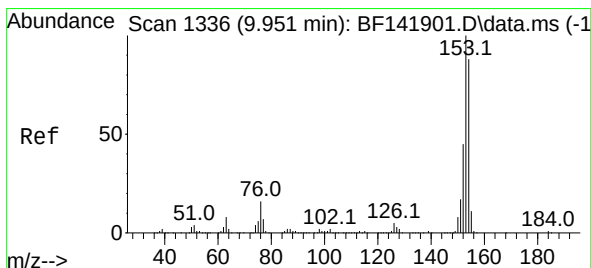
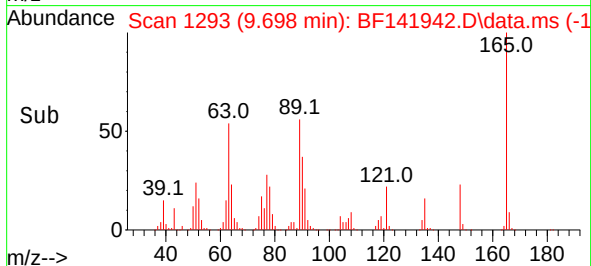
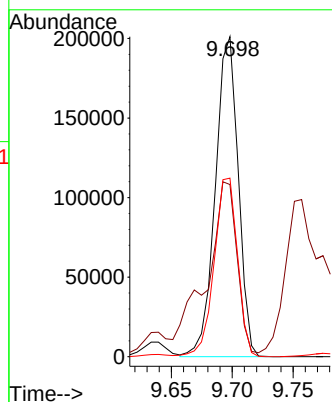
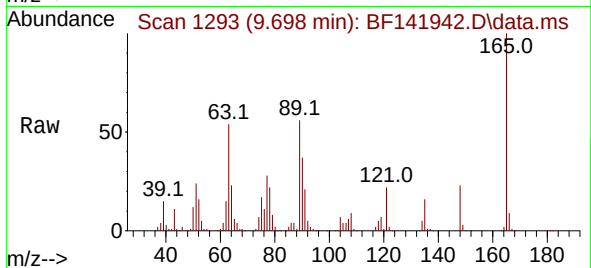
Tgt Ion:165 Resp: 263529

Ion Ratio Lower Upper

165 100

63 53.8 47.0 70.4

89 55.8 47.4 71.2



#52

Acenaphthene

Concen: 49.639 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

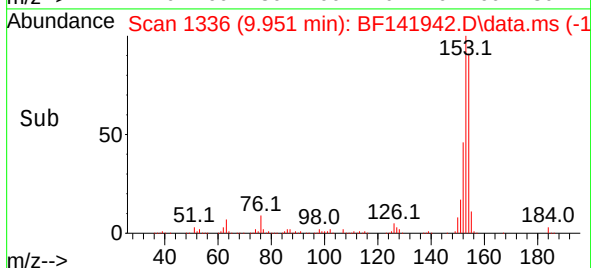
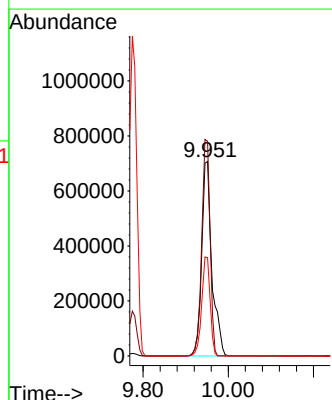
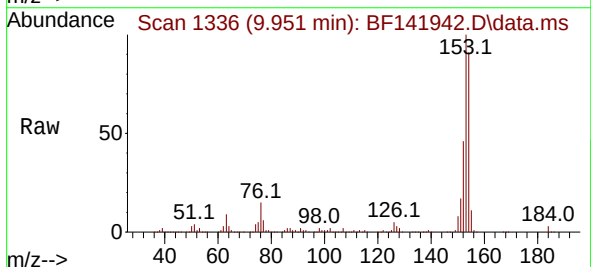
Tgt Ion:154 Resp: 1177793

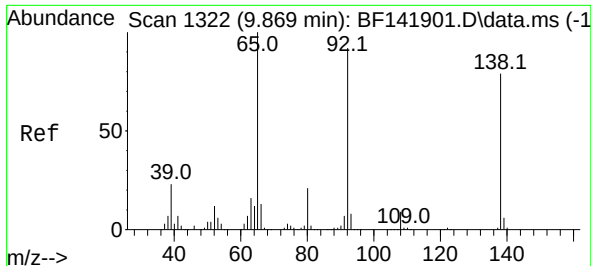
Ion Ratio Lower Upper

154 100

153 110.4 90.7 136.1

152 50.6 41.1 61.7

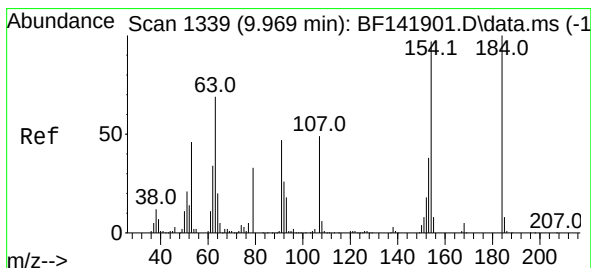
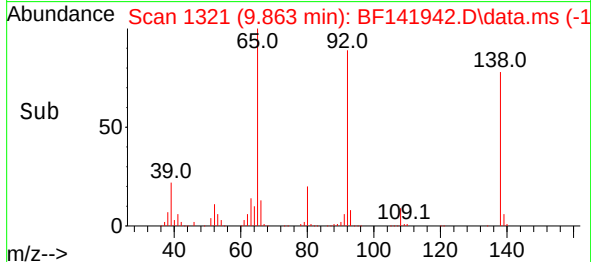
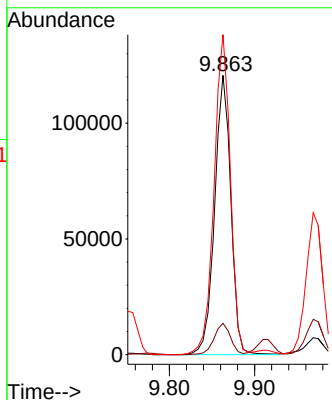
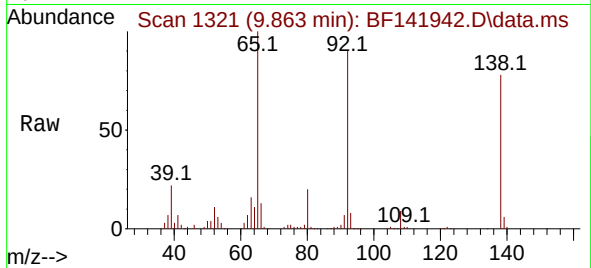




#53
3-Nitroaniline
Concen: 26.841 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

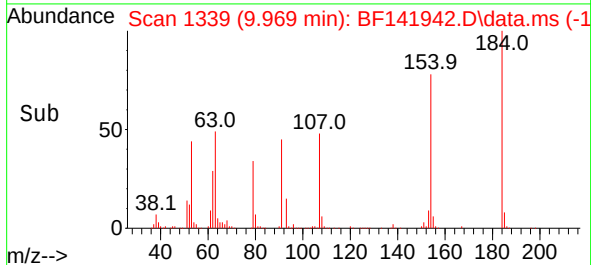
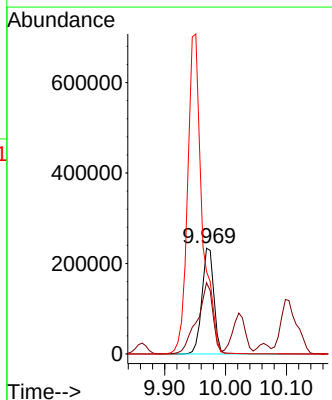
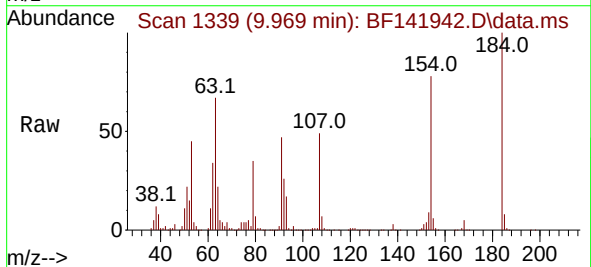
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

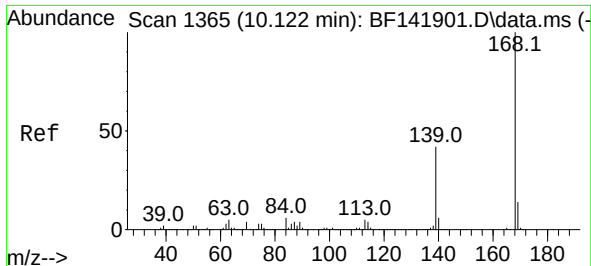
Tgt Ion:138 Resp: 159486
Ion Ratio Lower Upper
138 100
108 11.2 9.3 13.9
92 114.6 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 94.980 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:184 Resp: 320573
Ion Ratio Lower Upper
184 100
63 67.3 60.2 90.4
154 77.9 132.9 199.3#

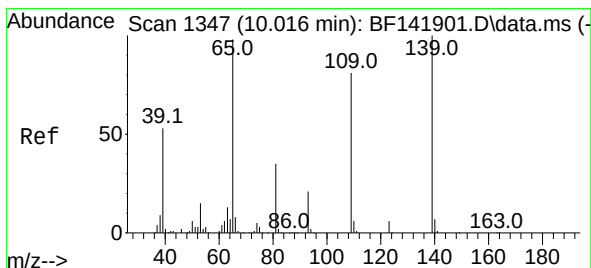
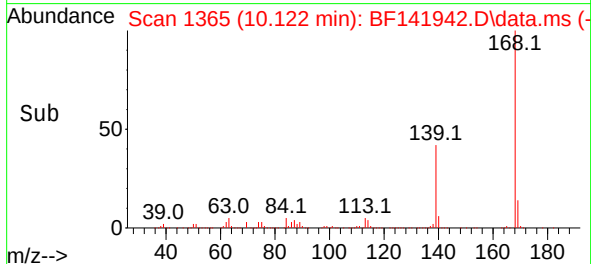
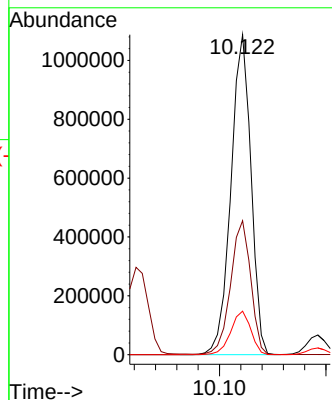
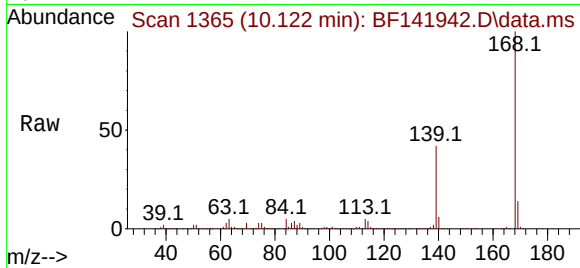




#55
Dibenzenofuran
Concen: 42.011 ng
RT: 10.122 min Scan# 141
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

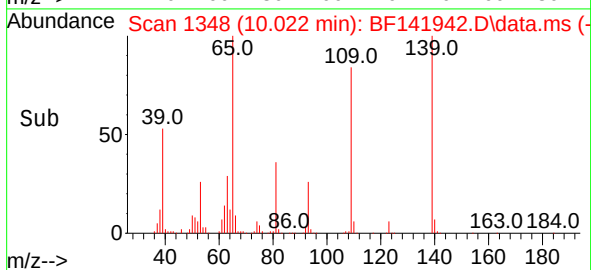
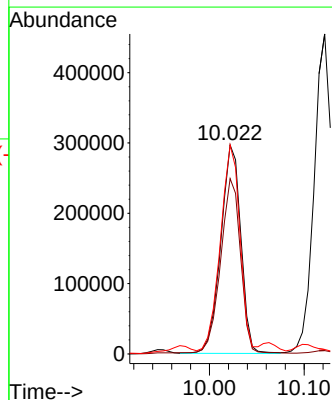
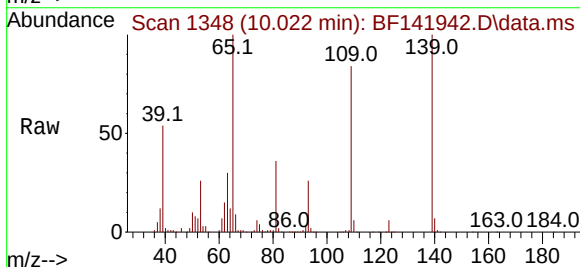
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

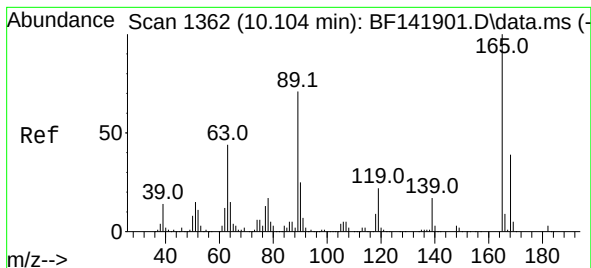
Tgt Ion:168 Resp: 1424322
Ion Ratio Lower Upper
168 100
139 41.8 33.9 50.9
169 13.6 11.0 16.4



#56
4-Nitrophenol
Concen: 97.292 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:139 Resp: 435956
Ion Ratio Lower Upper
139 100
109 83.9 61.6 101.6
65 100.0 79.4 119.4

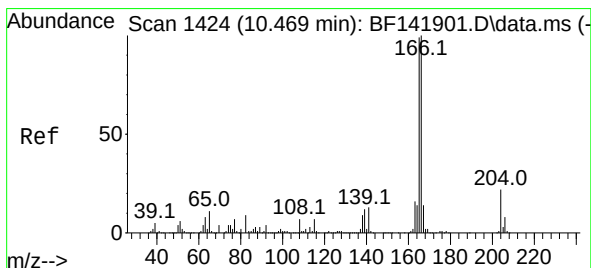
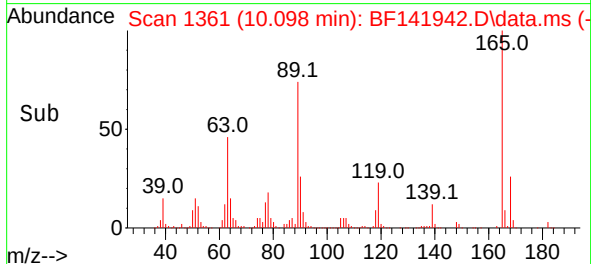
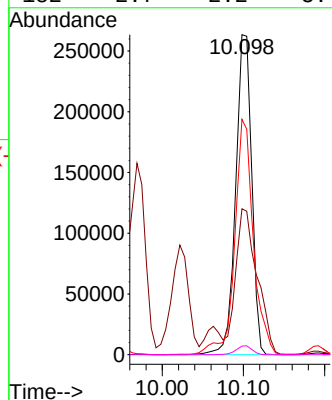
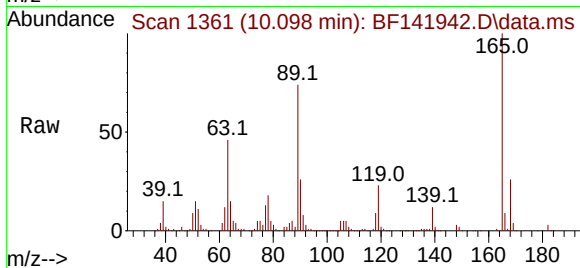




#57
2,4-Dinitrotoluene
Concen: 47.038 ng
RT: 10.098 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

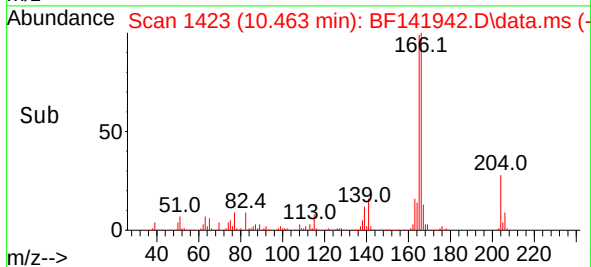
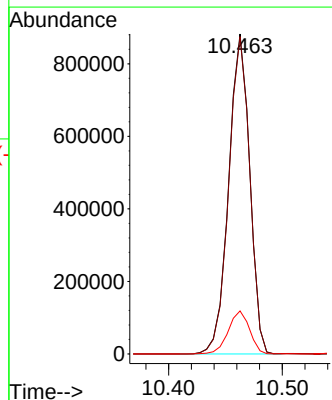
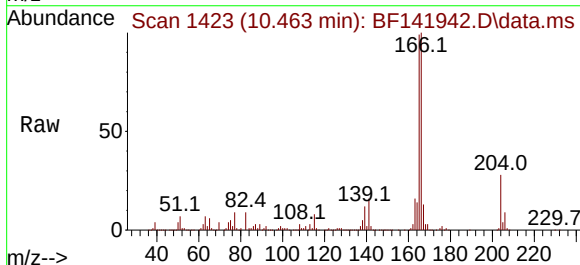
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

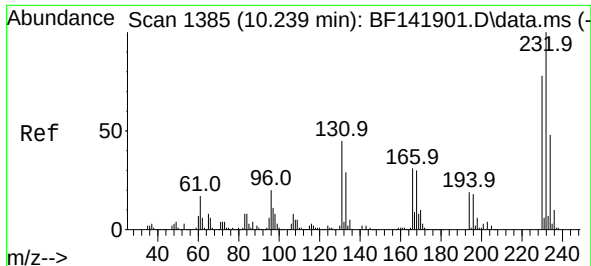
Tgt Ion:165 Resp: 359870
Ion Ratio Lower Upper
165 100
63 45.6 35.4 53.2
89 73.6 56.6 84.8
182 2.7 2.2 3.4



#58
Fluorene
Concen: 43.467 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

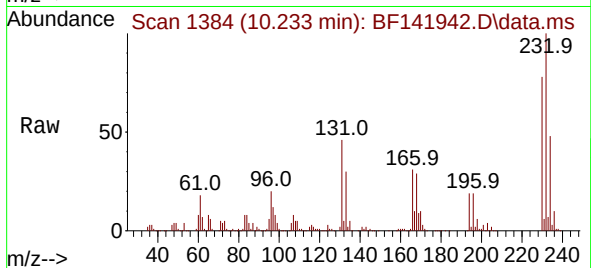
Tgt Ion:166 Resp: 1136451
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 13.4 11.0 16.4



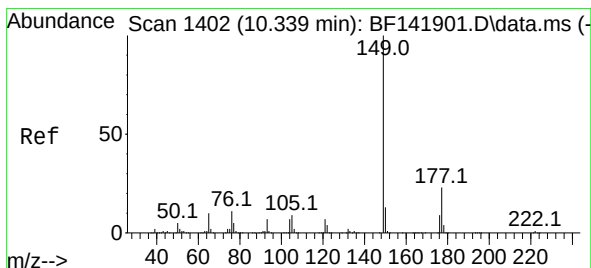
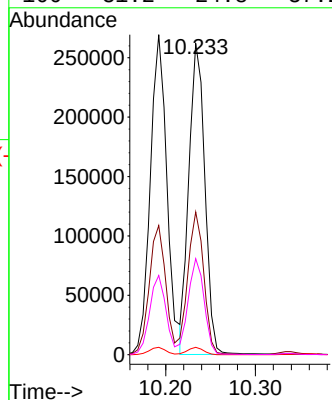
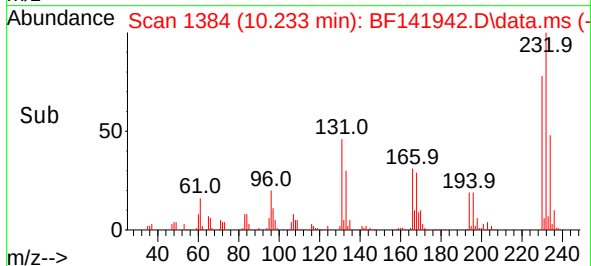


#59
2,3,4,6-Tetrachlorophenol
Concen: 43.930 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

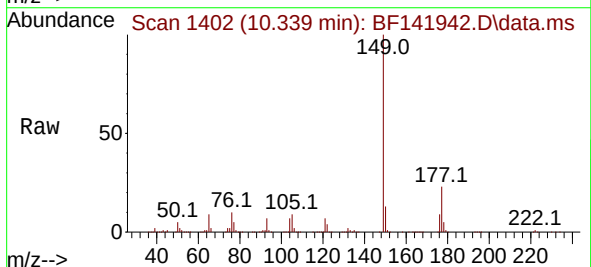
Instrument :
BNA_F
ClientSampleId :
PB167097BSD



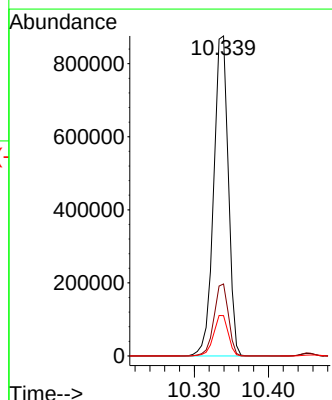
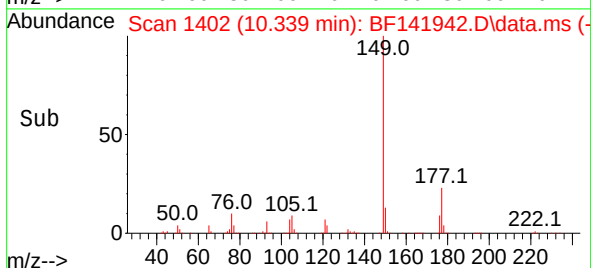
Tgt Ion:232 Resp: 323646
Ion Ratio Lower Upper
232 100
131 46.4 37.3 55.9
130 2.4 1.9 2.9
166 31.2 24.8 37.2

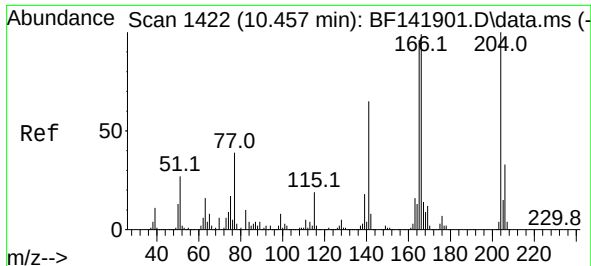


#60
Diethylphthalate
Concen: 42.727 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47



Tgt Ion:149 Resp: 1198598
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.6 10.2 15.4

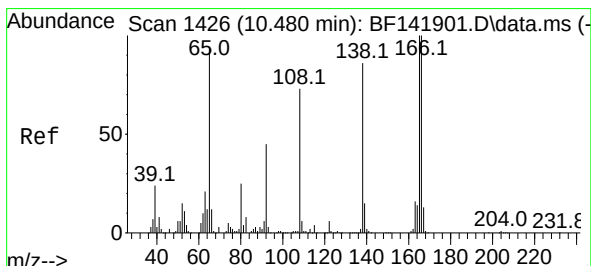
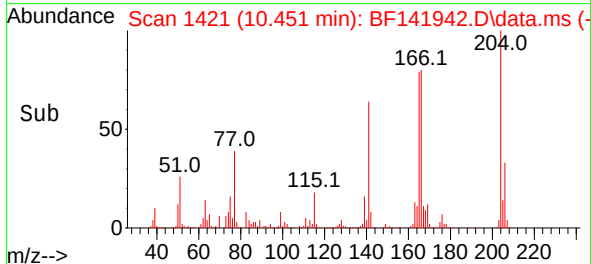
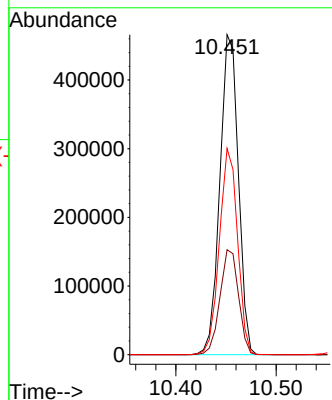
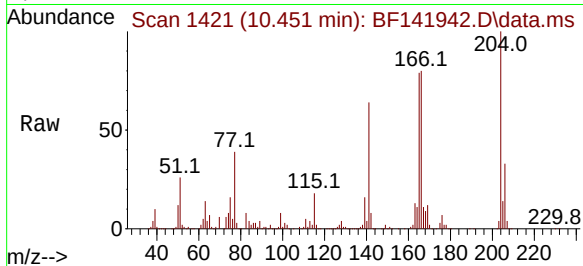




#61
4-Chlorophenyl-phenylether
Concen: 43.631 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

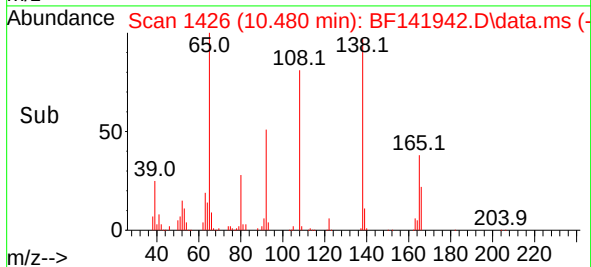
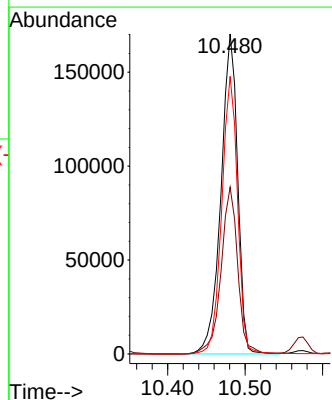
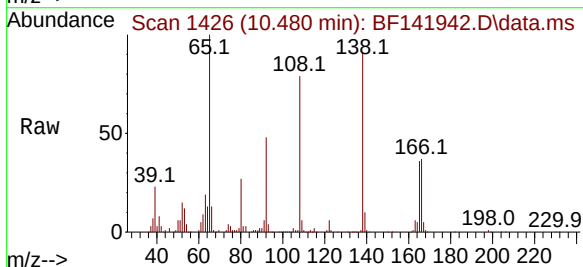
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

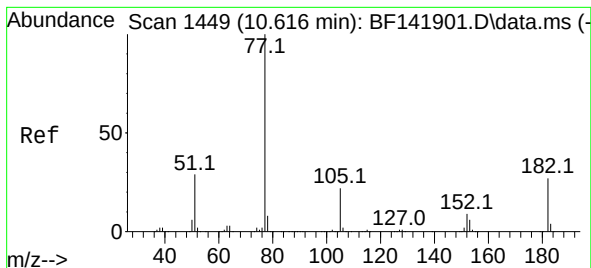
Tgt Ion:204 Resp: 594729
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 64.4 52.4 78.6



#62
4-Nitroaniline
Concen: 44.221 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:138 Resp: 255806
Ion Ratio Lower Upper
138 100
92 52.1 32.6 72.6
108 86.8 65.0 105.0

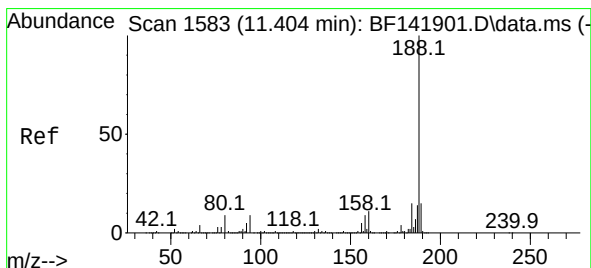
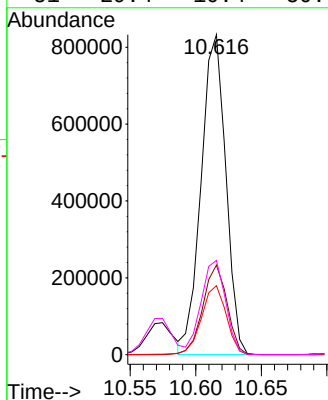
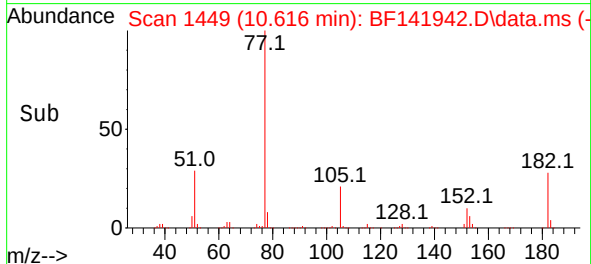
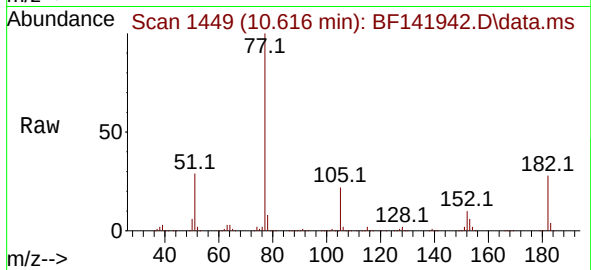




#63
Azobenzene
Concen: 41.795 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

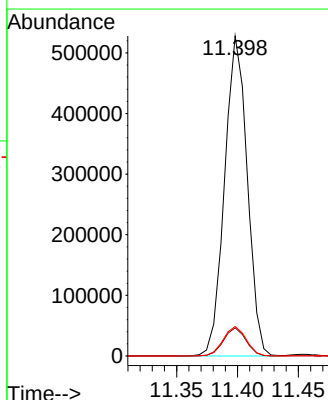
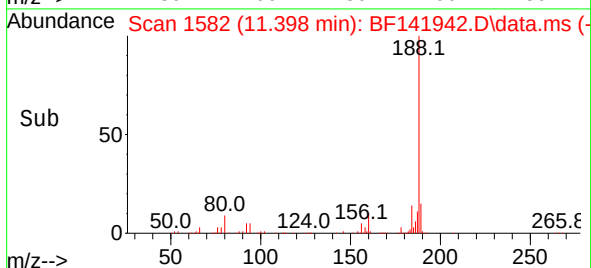
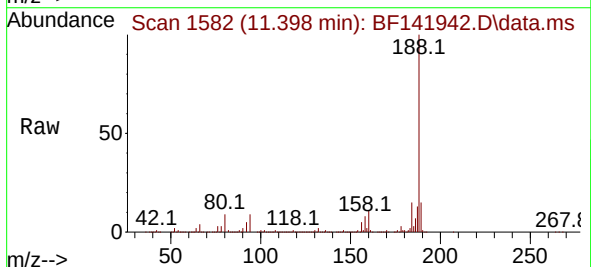
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

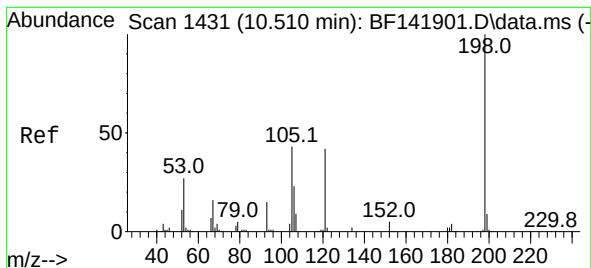
Tgt Ion: 77 Resp: 1090059
Ion Ratio Lower Upper
77 100
182 28.0 6.6 46.6
105 21.6 1.3 41.3
51 29.4 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:188 Resp: 683407
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.2 7.6 11.4

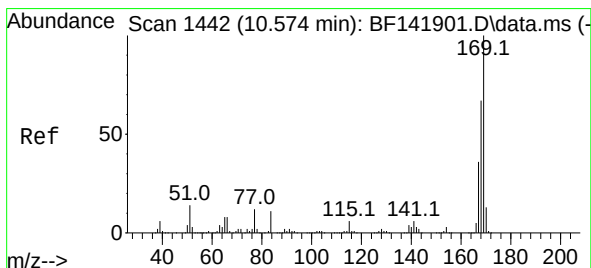
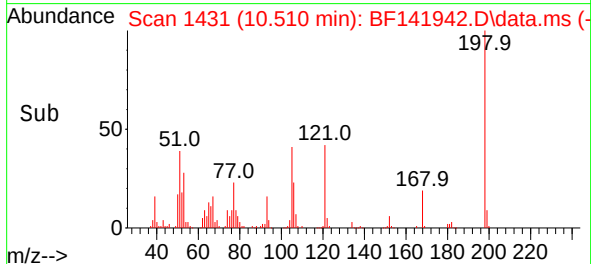
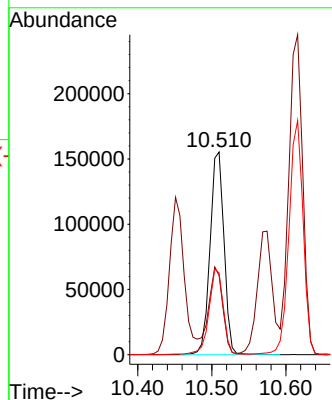
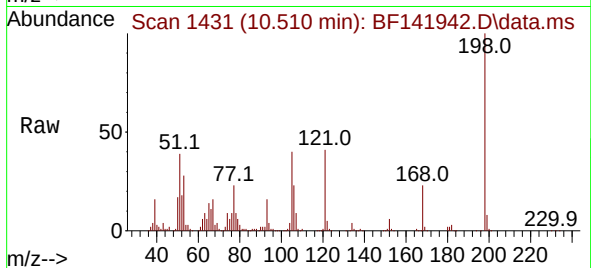




#65
4,6-Dinitro-2-methylphenol
Concen: 49.919 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

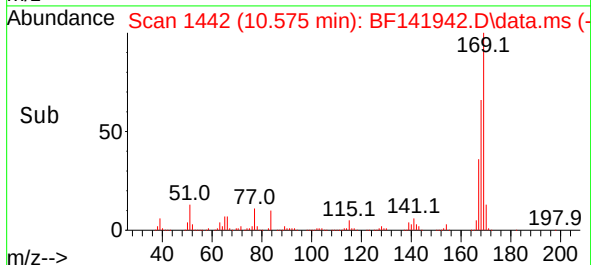
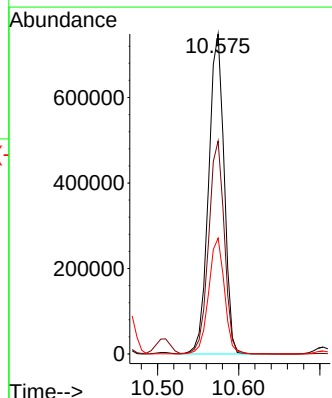
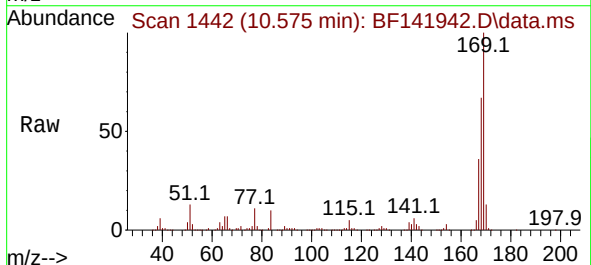
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

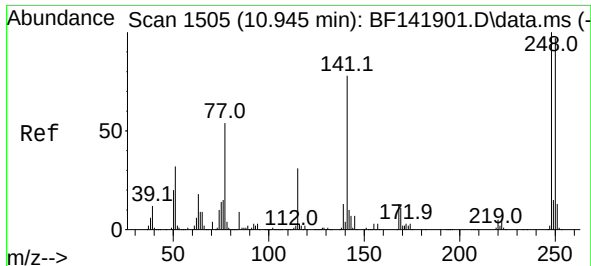
Tgt Ion:198 Resp: 203376
Ion Ratio Lower Upper
198 100
51 39.1 22.3 62.3
105 40.4 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 44.799 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:169 Resp: 990749
Ion Ratio Lower Upper
169 100
168 66.5 53.7 80.5
167 36.2 29.2 43.8

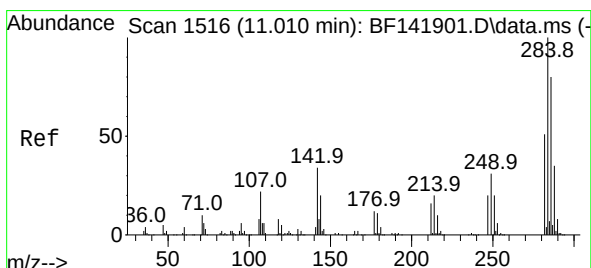
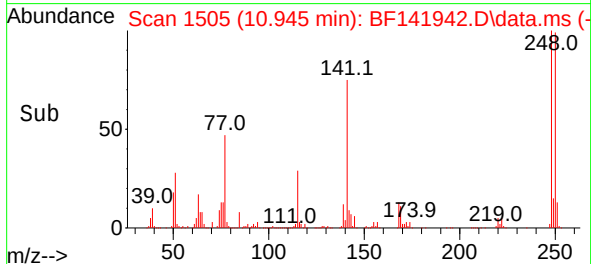
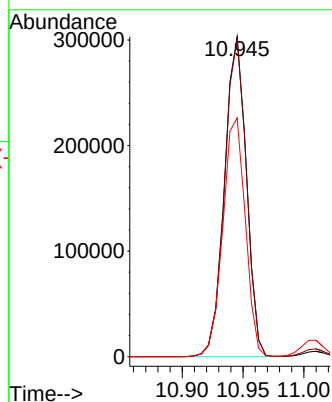
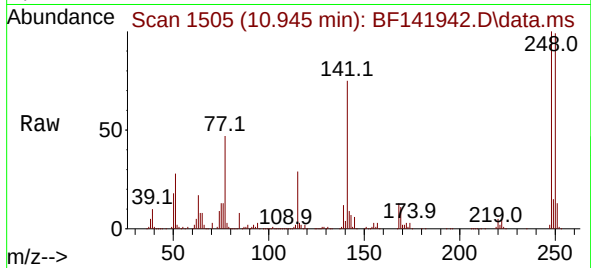




#67
4-Bromophenyl-phenylether
Concen: 44.271 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

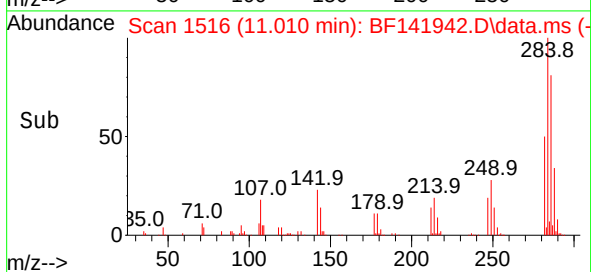
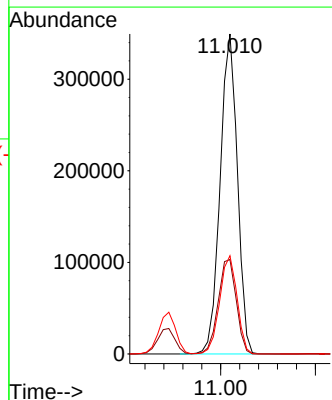
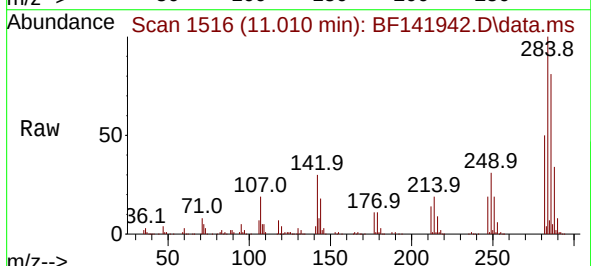
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

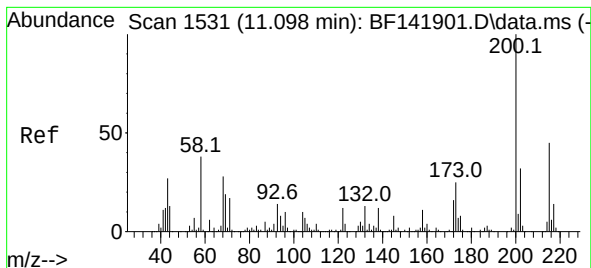
Tgt Ion:248 Resp: 379973
Ion Ratio Lower Upper
248 100
250 99.4 77.8 116.8
141 74.6 62.6 93.8



#68
Hexachlorobenzene
Concen: 46.983 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:284 Resp: 442267
Ion Ratio Lower Upper
284 100
142 29.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 59.122 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

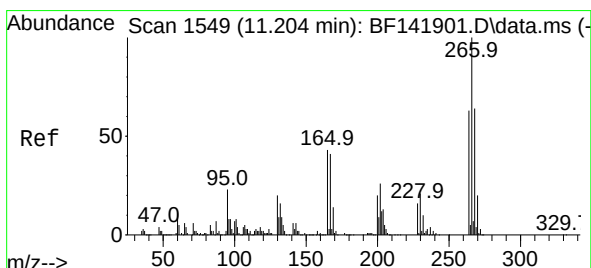
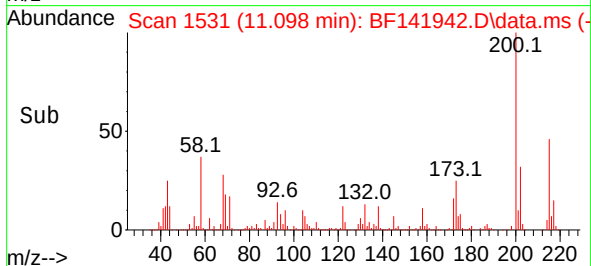
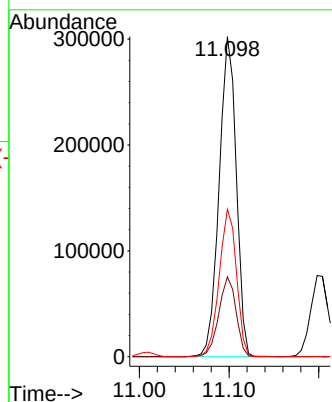
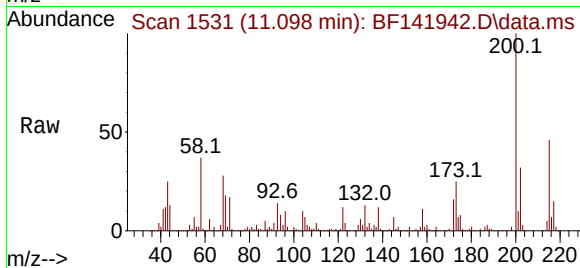
Tgt Ion:200 Resp: 400827

Ion Ratio Lower Upper

200 100

173 25.0 4.7 44.7

215 46.1 25.4 65.4



#70

Pentachlorophenol

Concen: 95.557 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

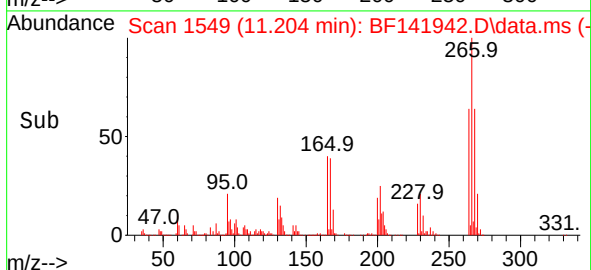
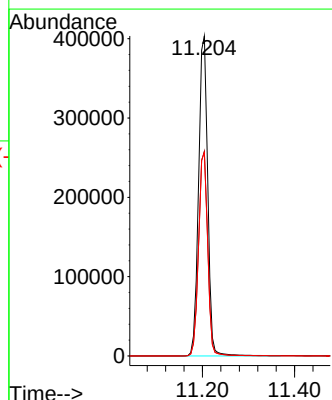
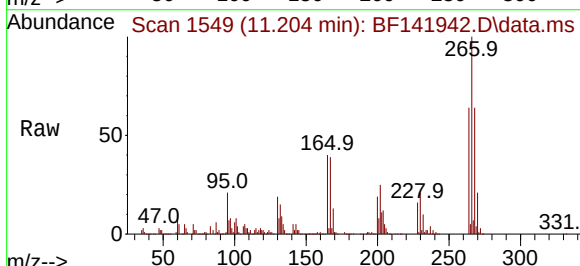
Tgt Ion:266 Resp: 554214

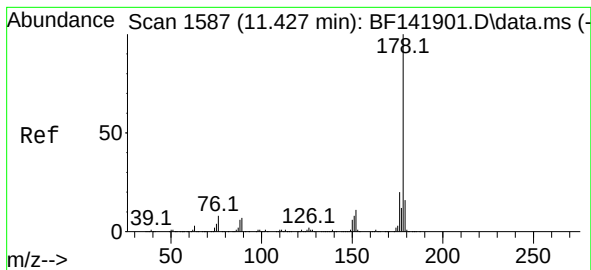
Ion Ratio Lower Upper

266 100

268 64.0 51.0 76.6

264 63.6 50.2 75.2

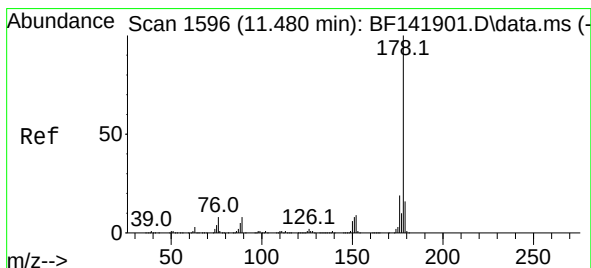
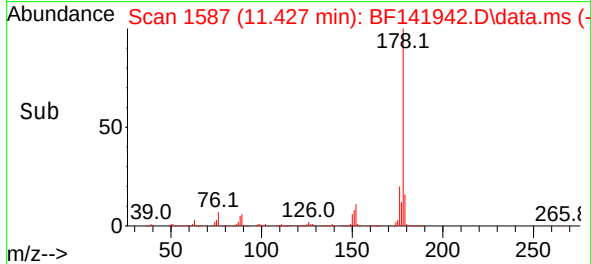
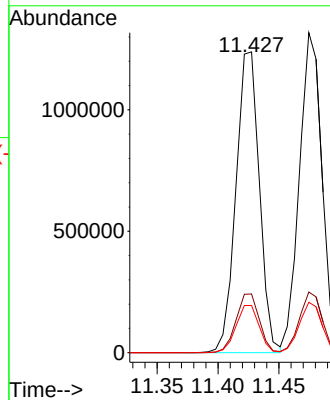
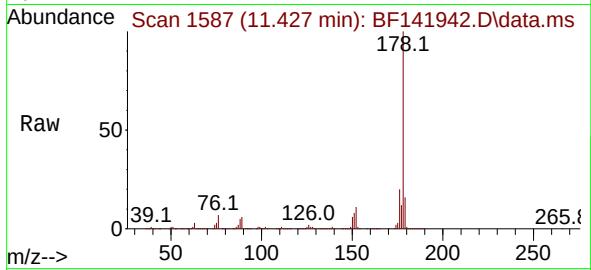




#71
Phenanthrene
Concen: 45.023 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

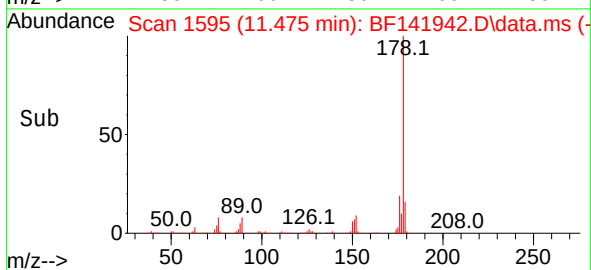
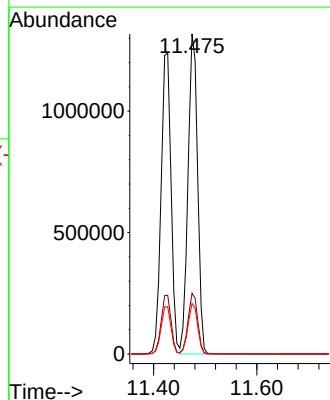
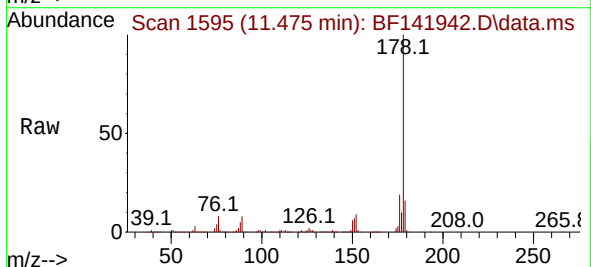
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

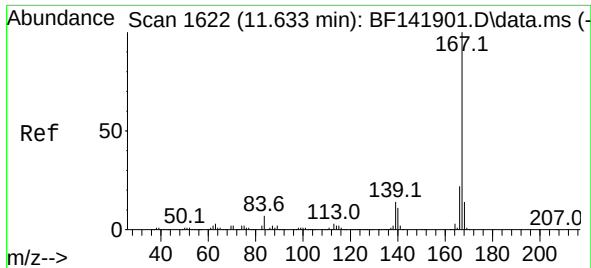
Tgt Ion:178 Resp: 1661922
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 12.6 19.0



#72
Anthracene
Concen: 45.846 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:178 Resp: 1697853
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.8 12.6 19.0

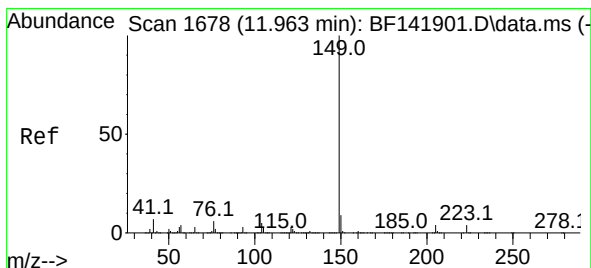
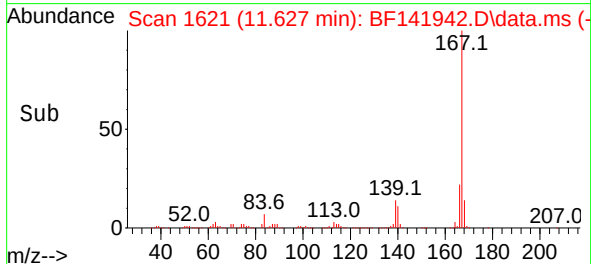
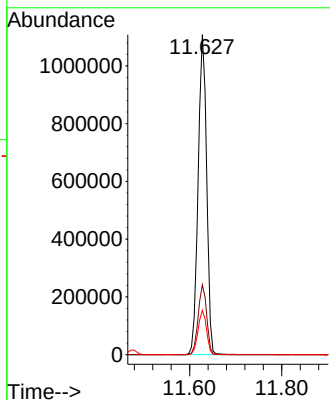
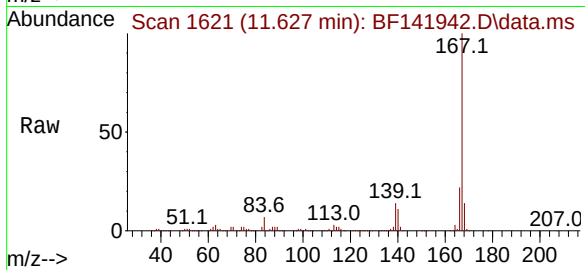




#73
 Carbazole
 Concen: 44.509 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

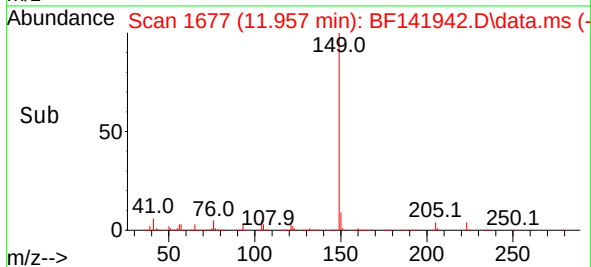
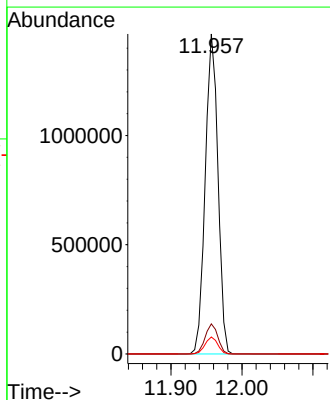
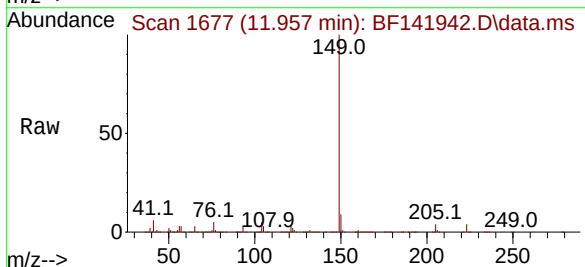
Instrument :
 BNA_F
 ClientSampleId :
 PB167097BSD

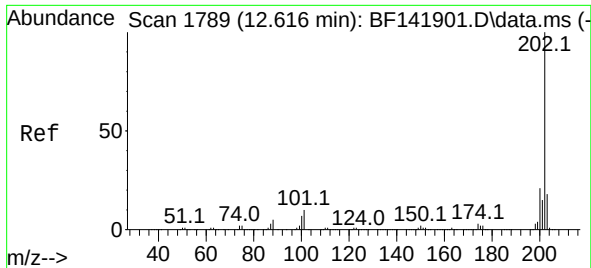
Tgt Ion:167 Resp: 1421538
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.8 11.0 16.6



#74
 Di-n-butylphthalate
 Concen: 43.052 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF141942.D
 Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 1824481
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 5.3 4.4 6.6

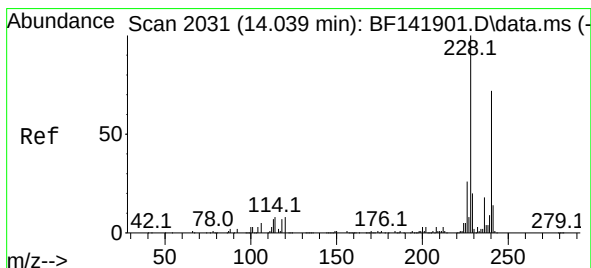
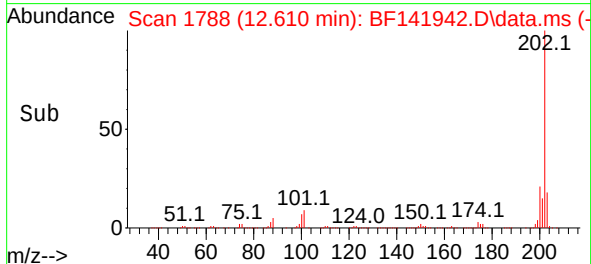
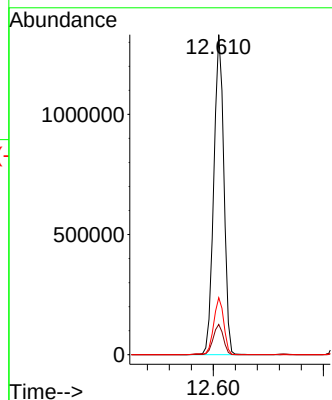
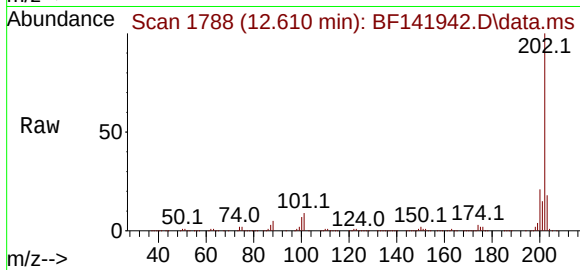




#75
Fluoranthene
Concen: 43.287 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

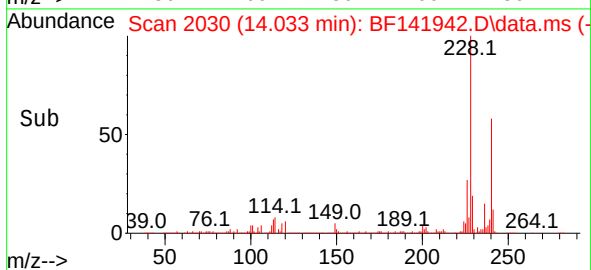
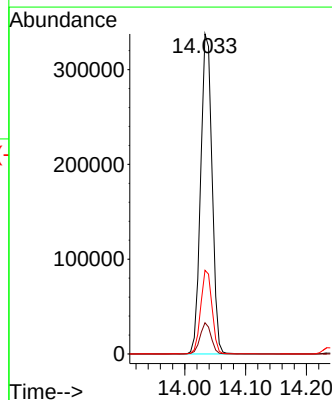
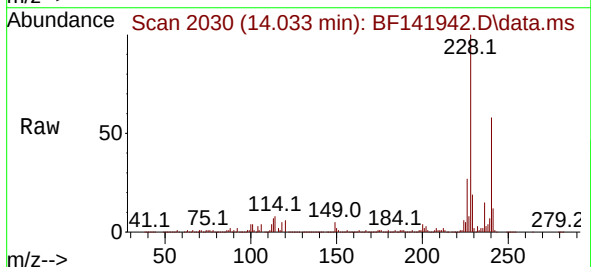
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

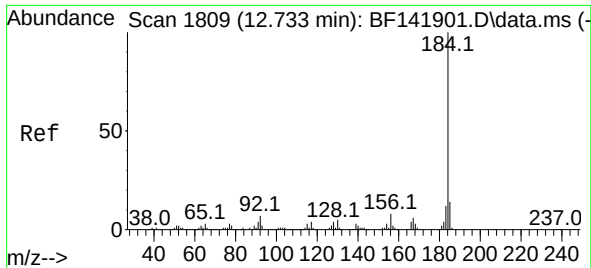
Tgt Ion:202 Resp: 1694947
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:240 Resp: 437316
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 26.2 20.5 30.7

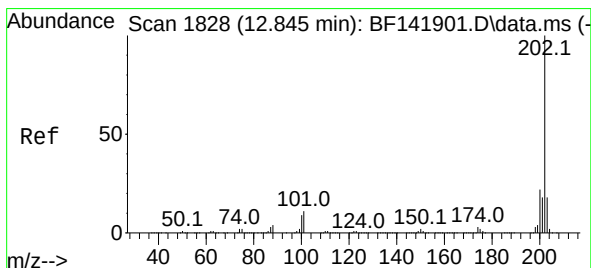
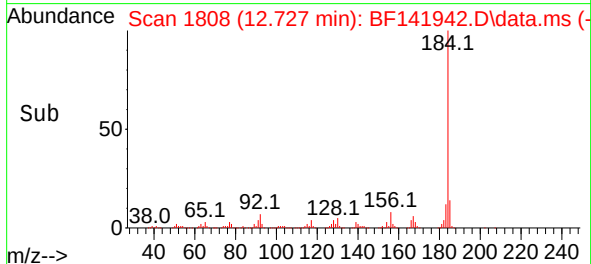
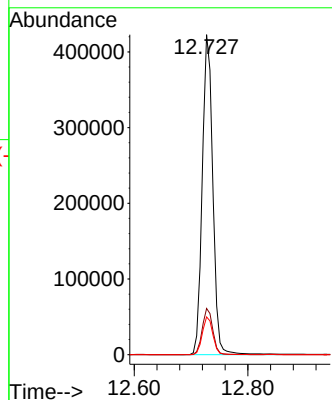
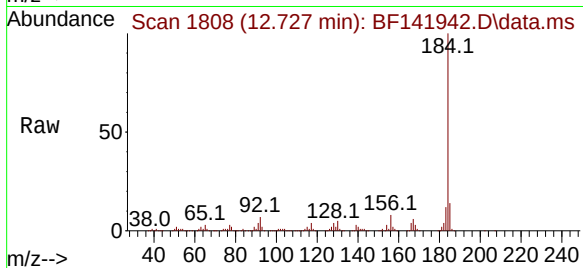




#77
Benzidine
Concen: 89.476 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

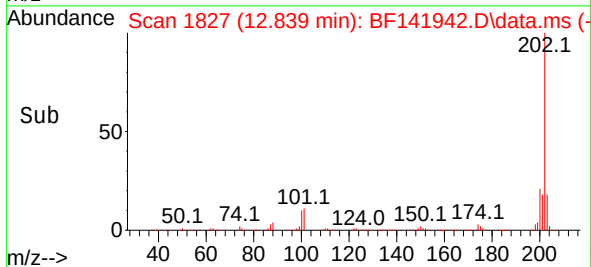
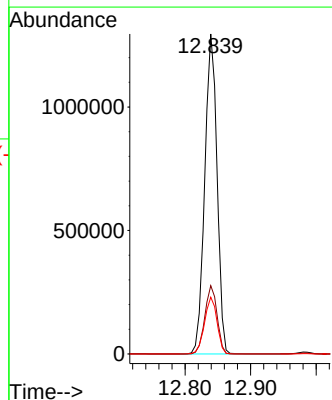
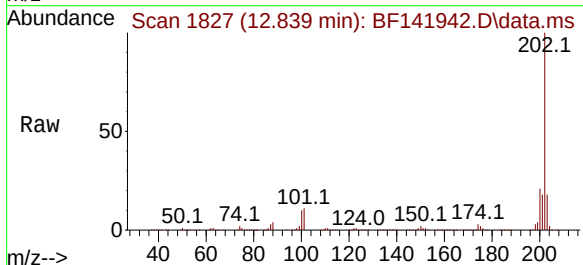
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

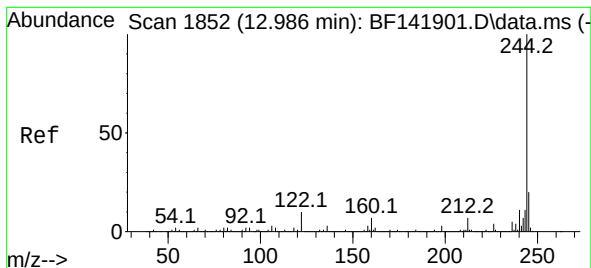
Tgt Ion:184 Resp: 545926
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.8 9.7 14.5



#78
Pyrene
Concen: 44.748 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:202 Resp: 1692747
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 17.8 14.4 21.6





#79

Terphenyl-d14

Concen: 101.143 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

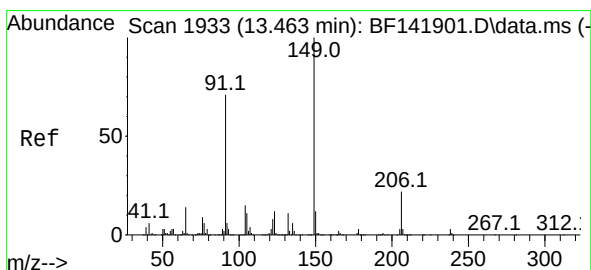
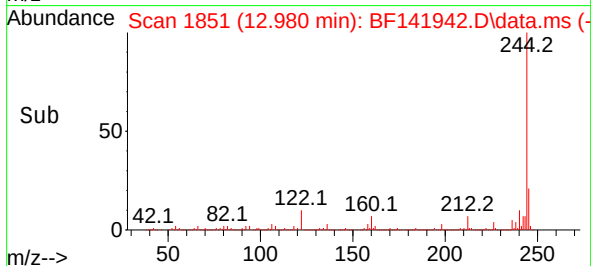
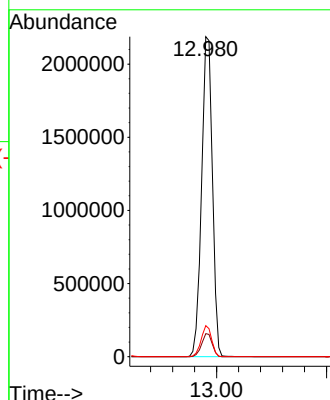
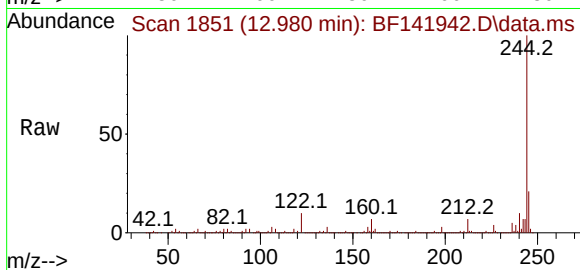
Tgt Ion:244 Resp: 2991728

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.7 7.7 11.5



#80

Butylbenzylphthalate

Concen: 43.665 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

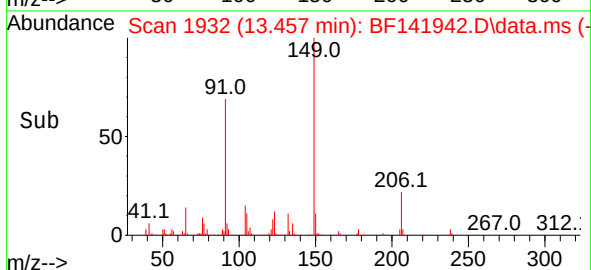
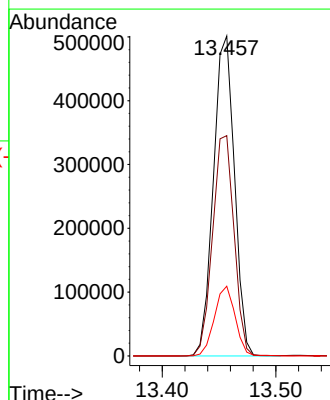
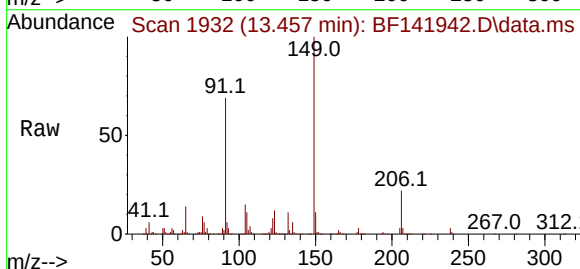
Tgt Ion:149 Resp: 646504

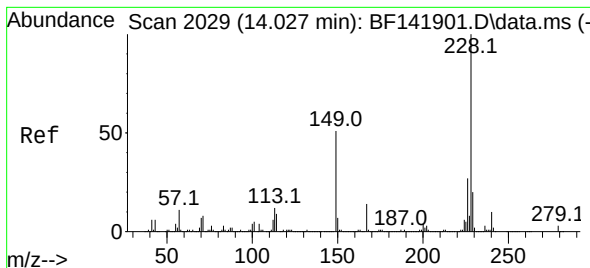
Ion Ratio Lower Upper

149 100

91 68.9 56.5 84.7

206 21.8 17.3 25.9





#81

Benzo(a)anthracene

Concen: 46.329 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

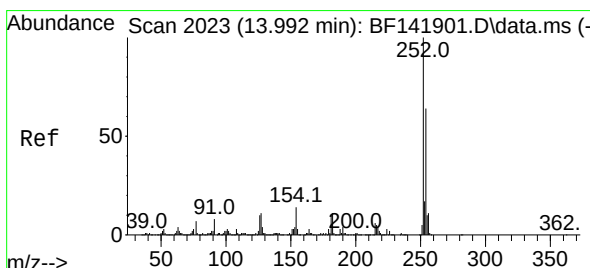
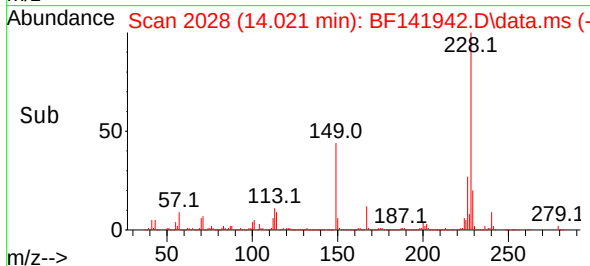
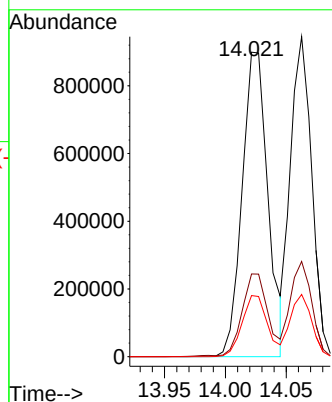
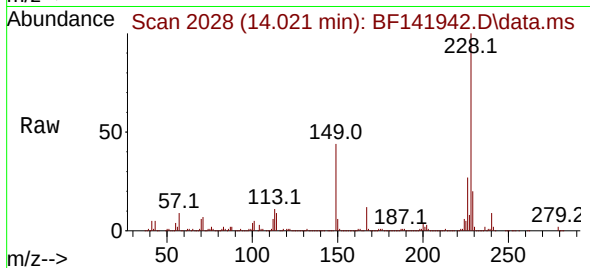
Tgt Ion:228 Resp: 1329501

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 29.785 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

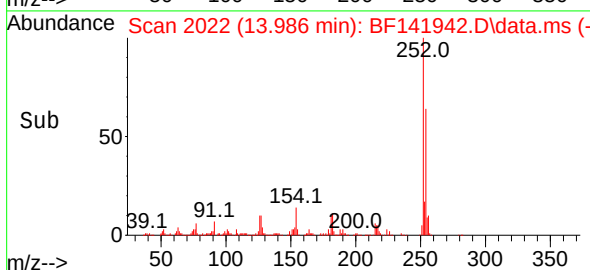
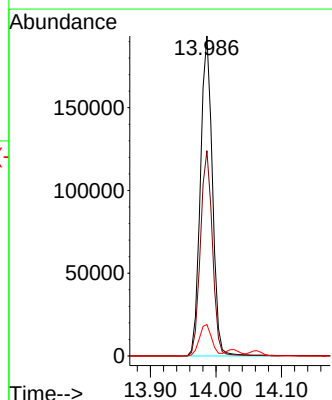
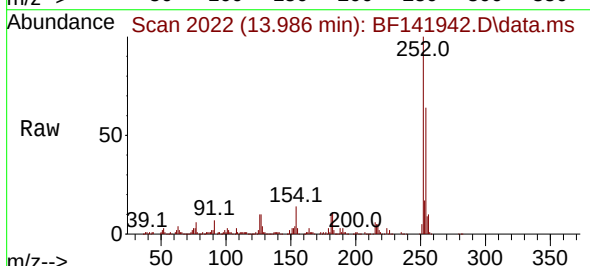
Tgt Ion:252 Resp: 247002

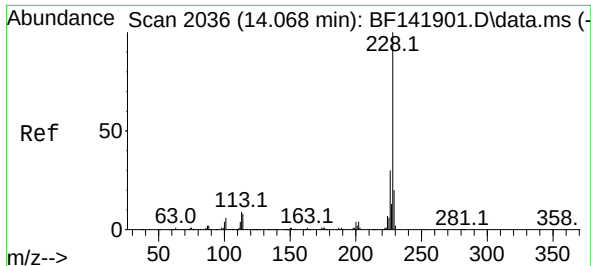
Ion Ratio Lower Upper

252 100

254 64.1 51.0 76.6

126 9.8 8.4 12.6

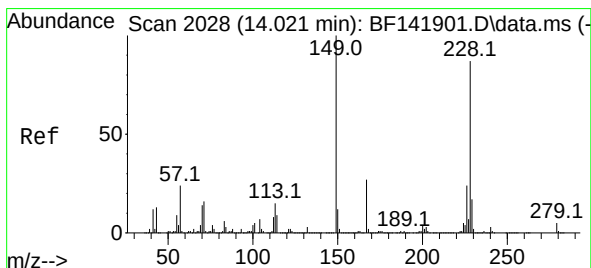
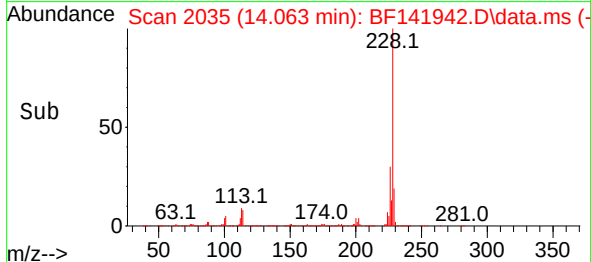
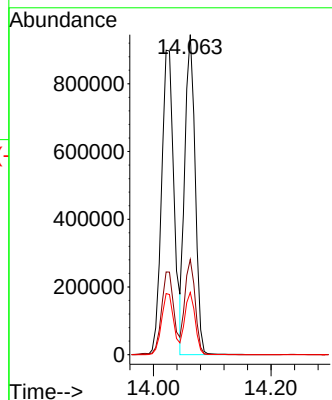
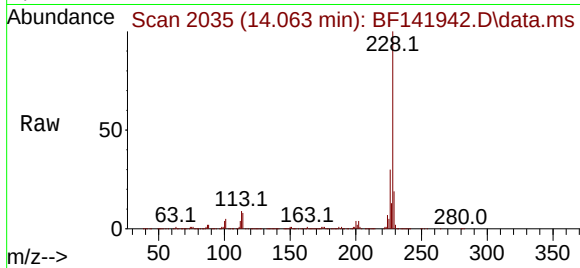




#83
Chrysene
Concen: 44.293 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

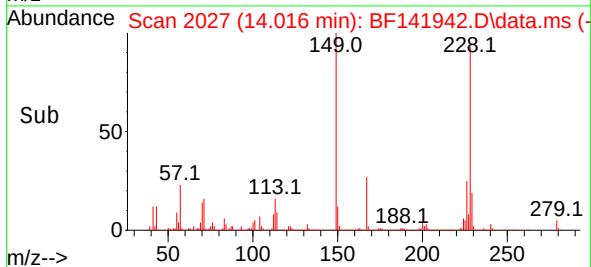
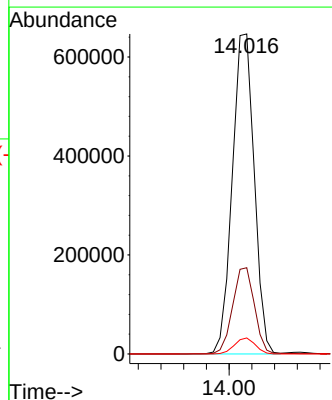
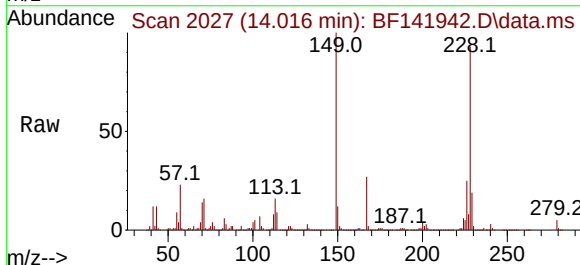
Instrument :
BNA_F
ClientSampleId :
PB167097BSD

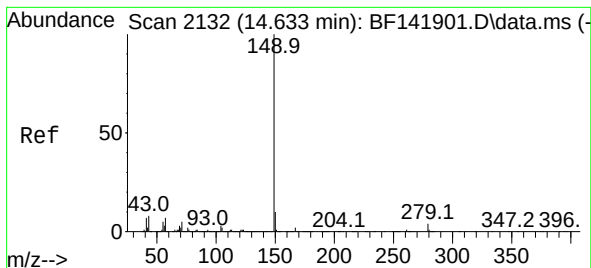
Tgt Ion:228 Resp: 1152190
Ion Ratio Lower Upper
228 100
226 29.7 24.1 36.1
229 19.4 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.448 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:149 Resp: 866554
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 5.0 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 43.491 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

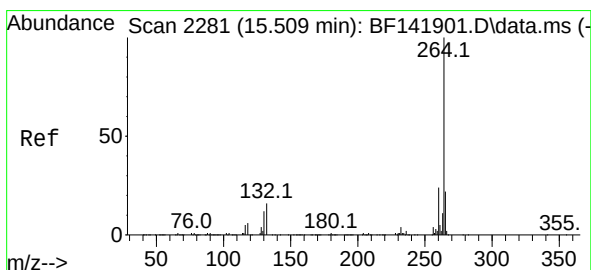
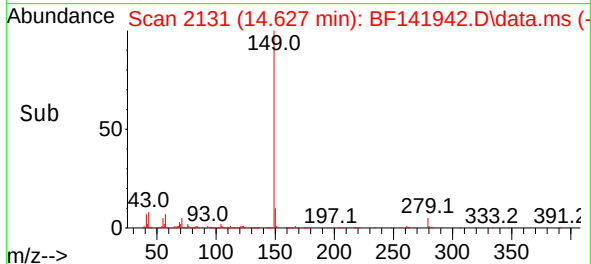
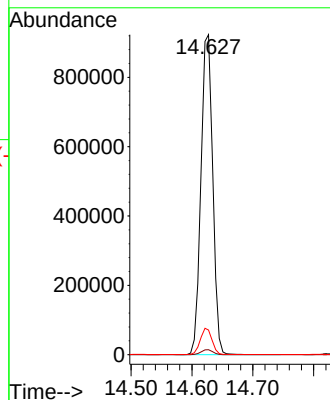
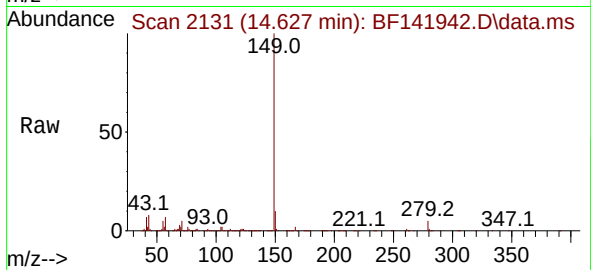
Tgt Ion:149 Resp: 1235348

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

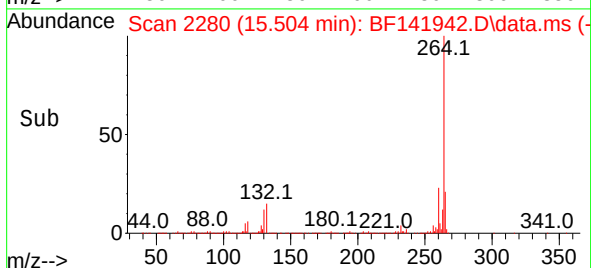
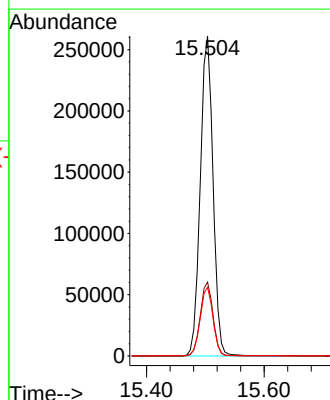
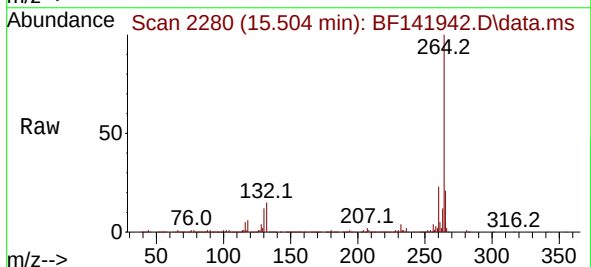
Tgt Ion:264 Resp: 392710

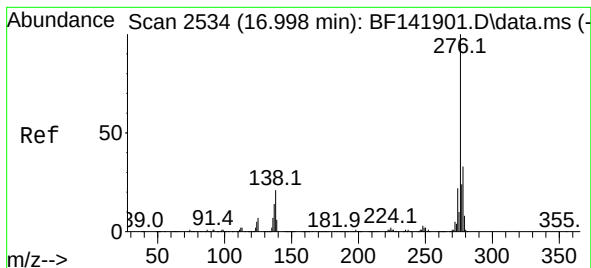
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.584 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

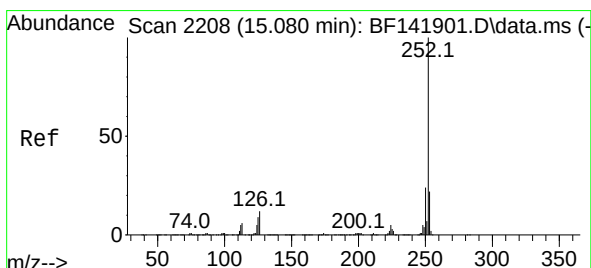
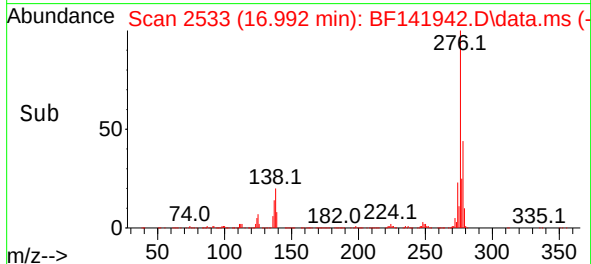
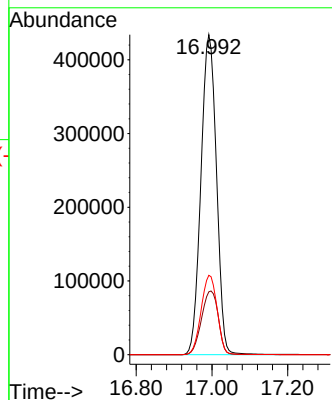
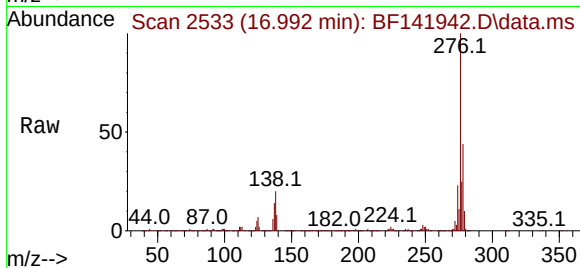
Tgt Ion:276 Resp: 1234216

Ion Ratio Lower Upper

276 100

138 21.5 18.4 27.6

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.392 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

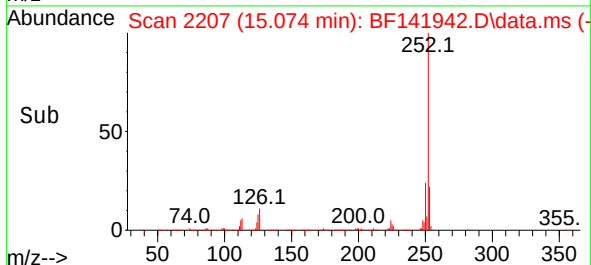
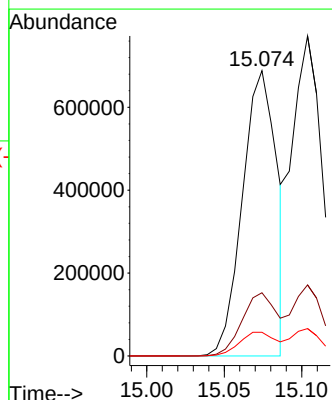
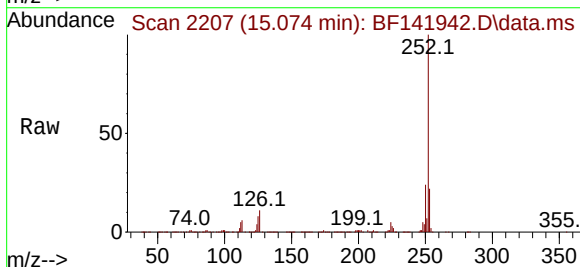
Tgt Ion:252 Resp: 1060224

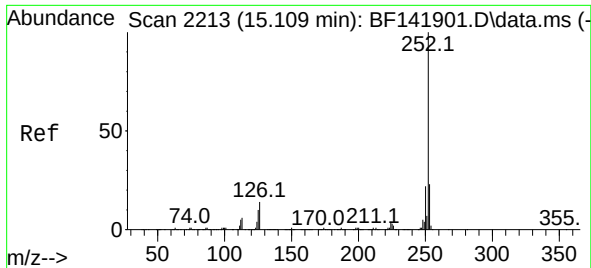
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.3 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 45.819 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

Instrument :

BNA_F

ClientSampleId :

PB167097BSD

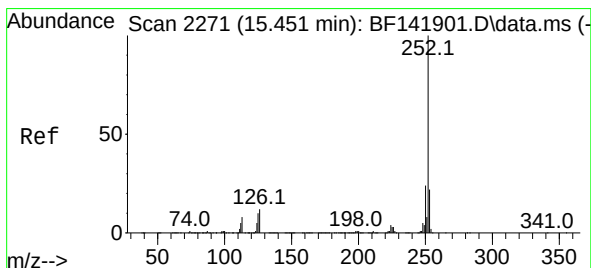
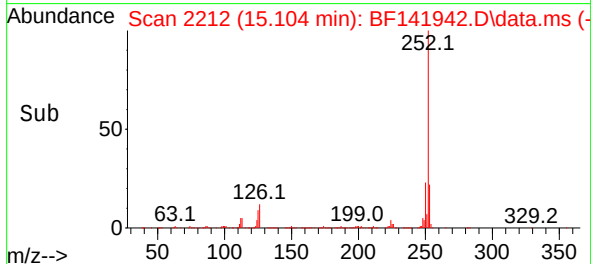
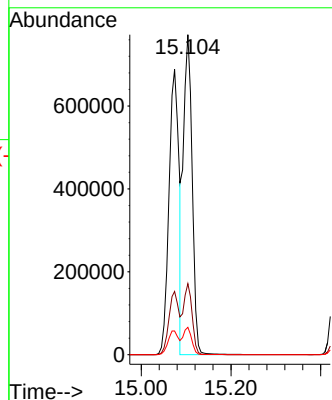
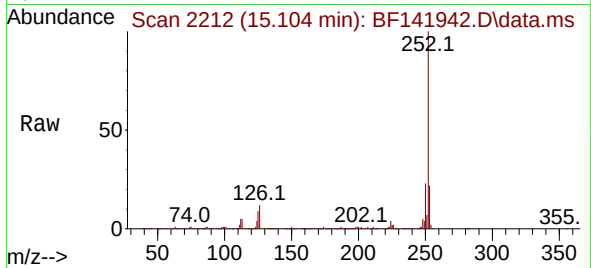
Tgt Ion:252 Resp: 1055343

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 47.252 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141942.D

Acq: 13 Mar 2025 13:47

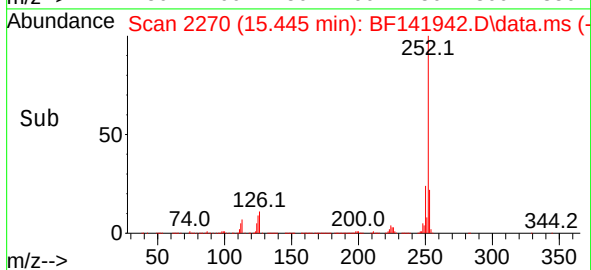
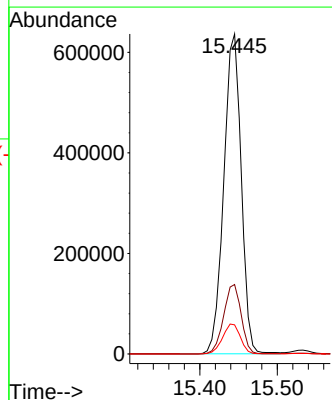
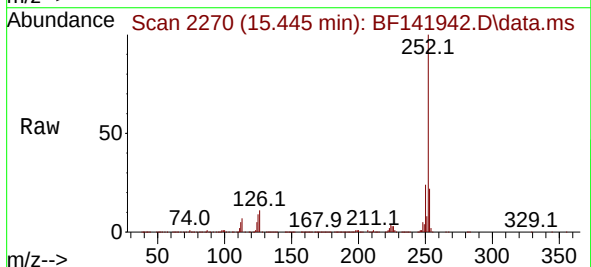
Tgt Ion:252 Resp: 995119

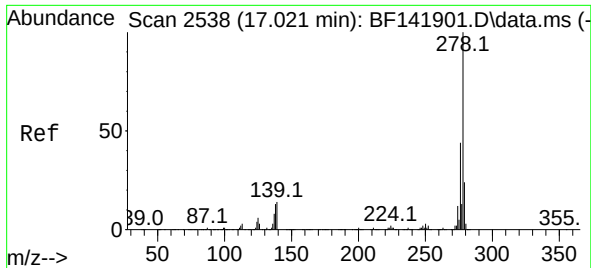
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 9.1 7.8 11.8

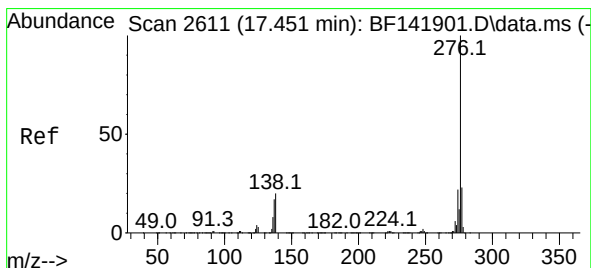
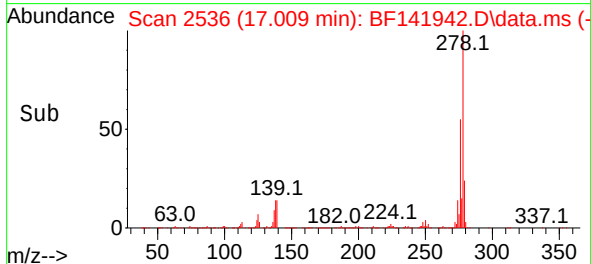
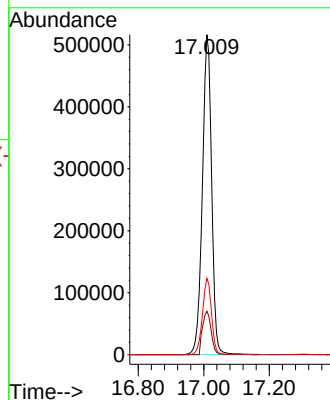
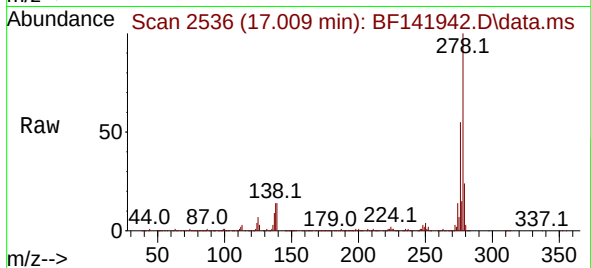




#91
Dibenzo(a,h)anthracene
Concen: 48.588 ng
RT: 17.009 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB167097BSD

Tgt Ion:278 Resp: 1018402
Ion Ratio Lower Upper
278 100
139 13.6 11.4 17.2
279 23.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 45.514 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141942.D
Acq: 13 Mar 2025 13:47

Tgt Ion:276 Resp: 942720
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 18.2 15.8 23.8

