

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141941.D
 Acq On : 13 Mar 2025 13:17
 Operator : RC/JU
 Sample : PB167097BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS

Quant Time: Mar 13 13:42:14 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	167779	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	666660	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	381133	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	657343	20.000	ng	0.00
76) Chrysene-d12	14.039	240	424407	20.000	ng	0.00
86) Perylene-d12	15.504	264	370791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1406671	139.927	ng	0.02
7) Phenol-d6	6.504	99	1754393	137.067	ng	0.00
23) Nitrobenzene-d5	7.439	82	1168111	98.606	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	773860	160.048	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2451144	97.806	ng	0.00
79) Terphenyl-d14	12.986	244	3018229	105.142	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	183786	43.632	ng	99
3) Pyridine	3.534	79	435363	42.136	ng	100
4) n-Nitrosodimethylamine	3.481	42	219416	44.549	ng	97
6) Aniline	6.539	93	455935	36.109	ng	99
8) 2-Chlorophenol	6.663	128	522369	46.852	ng	99
9) Benzaldehyde	6.428	77	161518	22.563	ng	99
10) Phenol	6.516	94	616143	45.757	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	460406	45.535	ng	98
12) 1,3-Dichlorobenzene	6.816	146	549049	45.613	ng	100
13) 1,4-Dichlorobenzene	6.892	146	558151	45.829	ng	99
14) 1,2-Dichlorobenzene	7.045	146	535333	46.667	ng	99
15) Benzyl Alcohol	7.016	79	464922	44.930	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	521817	42.748	ng	99
17) 2-Methylphenol	7.128	107	413870	46.686	ng	98
18) Hexachloroethane	7.392	117	206331	45.179	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	356374	43.331	ng	99
20) 3+4-Methylphenols	7.281	107	525851	46.311	ng	# 81
22) Acetophenone	7.286	105	794019	49.735	ng	98
24) Nitrobenzene	7.457	77	540933	45.933	ng	100
25) Isophorone	7.698	82	992286	47.387	ng	100
26) 2-Nitrophenol	7.775	139	274315	47.460	ng	100
27) 2,4-Dimethylphenol	7.804	122	458082	57.557	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	584252	44.484	ng	100
29) 2,4-Dichlorophenol	8.010	162	454991	46.058	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	489377	44.952	ng	100
31) Naphthalene	8.181	128	1521001	44.415	ng	100
32) Benzoic acid	7.928	122	368882	52.727	ng	99
33) 4-Chloroaniline	8.222	127	189925	15.710	ng	98
34) Hexachlorobutadiene	8.298	225	330110	46.496	ng	99
35) Caprolactam	8.598	113	80497	26.727	ng	93
36) 4-Chloro-3-methylphenol	8.704	107	506070	45.924	ng	100
37) 2-Methylnaphthalene	8.869	142	984016	42.989	ng	98
38) 1-Methylnaphthalene	8.969	142	975143	44.147	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	589567	50.807	ng	98
41) Hexachlorocyclopentadiene	9.022	237	787647	173.440	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	373446	49.244	ng	100

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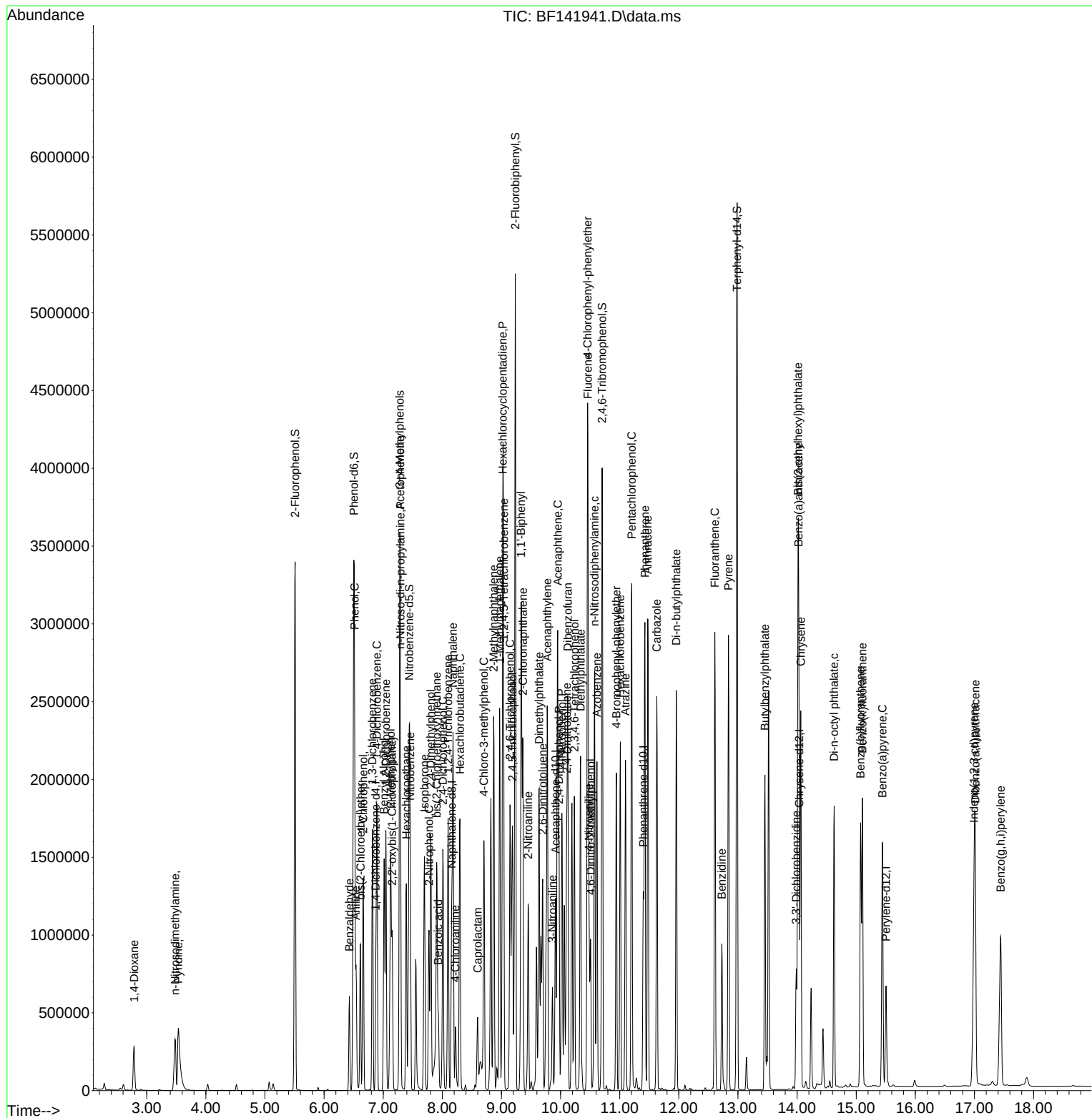
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	348841	45.418	ng	100
46) 1,1'-Biphenyl	9.333	154	1455375	50.256	ng	100
47) 2-Chloronaphthalene	9.363	162	993605	46.033	ng	99
48) 2-Nitroaniline	9.451	65	295534	47.288	ng	97
49) Acenaphthylene	9.775	152	1553482	48.500	ng	100
50) Dimethylphthalate	9.639	163	1224816	45.891	ng	100
51) 2,6-Dinitrotoluene	9.698	165	259612	46.717	ng	96
52) Acenaphthene	9.951	154	1170255	51.989	ng	98
53) 3-Nitroaniline	9.863	138	143947	25.536	ng	100
54) 2,4-Dinitrophenol	9.975	184	318705	99.219	ng	# 46
55) Dibenzofuran	10.122	168	1417170	44.061	ng	99
56) 4-Nitrophenol	10.022	139	439494	103.387	ng	98
57) 2,4-Dinitrotoluene	10.104	165	361052	49.745	ng	99
58) Fluorene	10.463	166	1147740	46.273	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323625	46.303	ng	100
60) Diethylphthalate	10.339	149	1194423	44.881	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	597749	46.224	ng	96
62) 4-Nitroaniline	10.480	138	256469	46.734	ng	99
63) Azobenzene	10.616	77	1083805	43.803	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	199851	50.999	ng	97
66) n-Nitrosodiphenylamine	10.574	169	997450	46.890	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	382756	46.364	ng	97
68) Hexachlorobenzene	11.010	284	437639	48.335	ng	96
69) Atrazine	11.098	200	402029	61.650	ng	99
70) Pentachlorophenol	11.204	266	557370	99.911	ng	99
71) Phenanthrene	11.427	178	1669056	47.009	ng	100
72) Anthracene	11.474	178	1712956	48.088	ng	100
73) Carbazole	11.627	167	1439856	46.870	ng	100
74) Di-n-butylphthalate	11.957	149	1842392	45.199	ng	100
75) Fluoranthene	12.610	202	1728401	45.891	ng	100
77) Benzidine	12.727	184	500180	84.472	ng	100
78) Pyrene	12.839	202	1719348	46.834	ng	100
80) Butylbenzylphthalate	13.457	149	660564	45.971	ng	99
81) Benzo(a)anthracene	14.027	228	1314815	47.211	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	227079	28.215	ng	100
83) Chrysene	14.062	228	1167619	46.252	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	882521	44.545	ng	100
85) Di-n-octyl phthalate	14.627	149	1244287	45.138	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1228415	51.214	ng	98
88) Benzo(b)fluoranthene	15.074	252	1177030	46.317	ng	100
89) Benzo(k)fluoranthene	15.104	252	942444	43.336	ng	100
90) Benzo(a)pyrene	15.445	252	996055	50.093	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	1005280	50.797	ng	99
92) Benzo(g,h,i)perylene	17.445	276	938047	47.965	ng	98

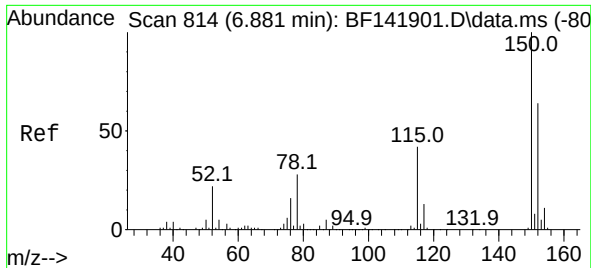
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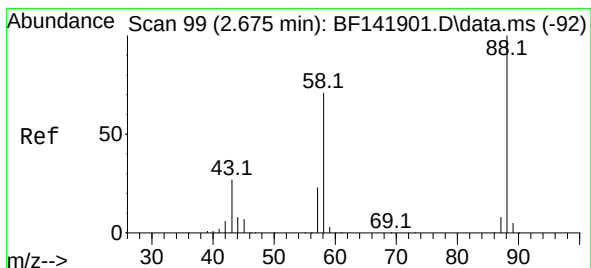
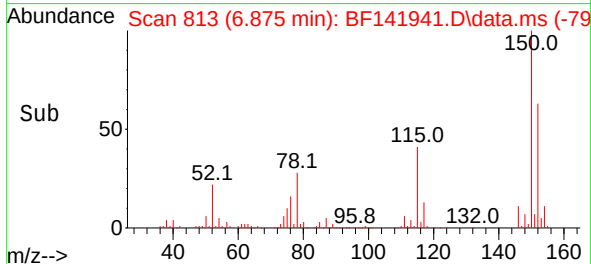
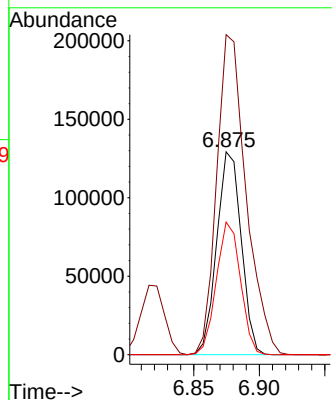
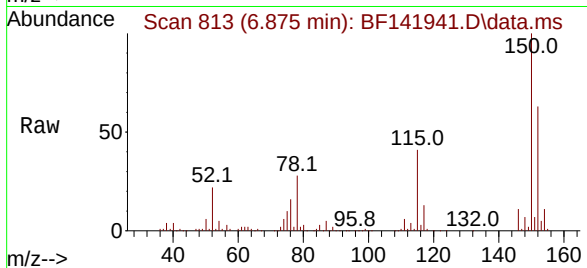




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

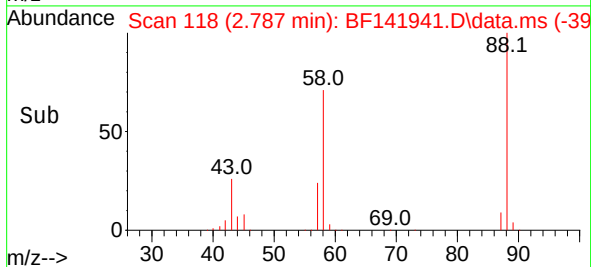
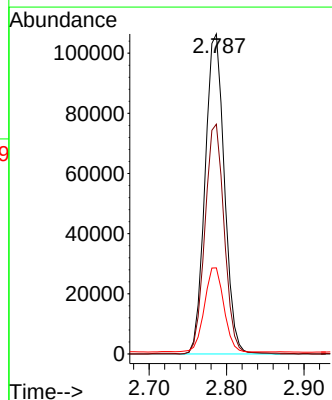
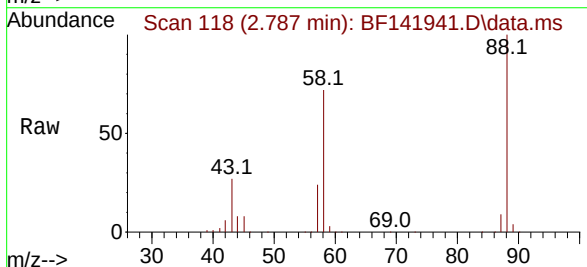
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BNA_F
ClientSampleId :
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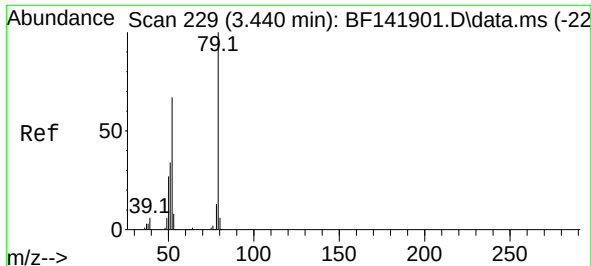
Tgt Ion:152 Resp: 167779
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 65.4 51.9 77.9



#2
1,4-Dioxane
Concen: 43.632 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.112 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 88 Resp: 183786
Ion Ratio Lower Upper
88 100
58 72.1 57.4 86.2
43 26.3 21.5 32.3





#3

Pyridine

Concen: 42.136 ng

RT: 3.534 min Scan# 245

Delta R.T. 0.094 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

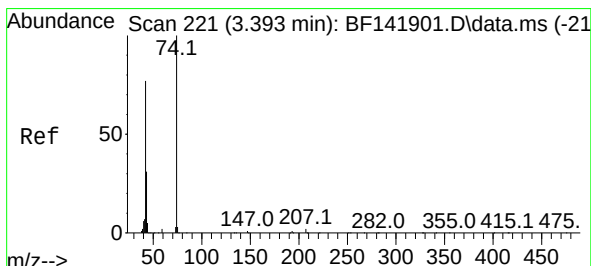
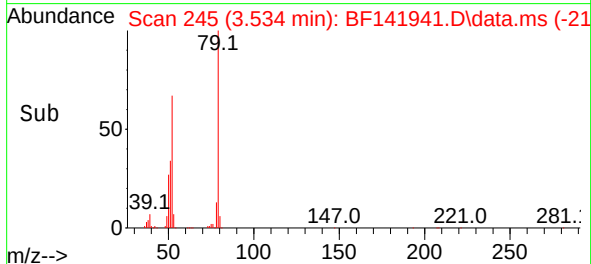
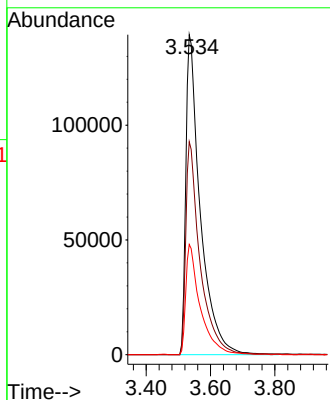
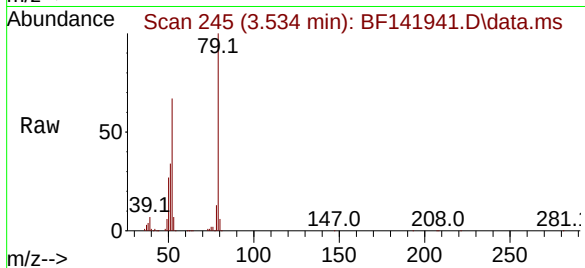
Tgt Ion: 79 Resp: 435363

Ion Ratio Lower Upper

79 100

52 66.5 53.3 79.9

51 34.5 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 44.549 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.088 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

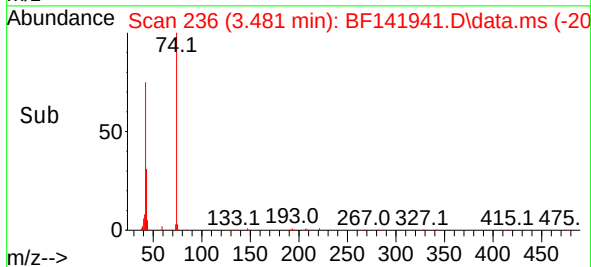
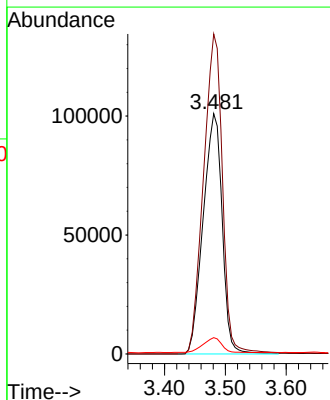
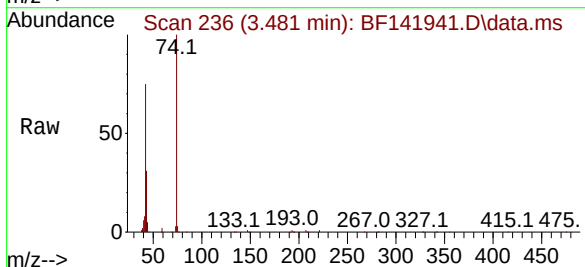
Tgt Ion: 42 Resp: 219416

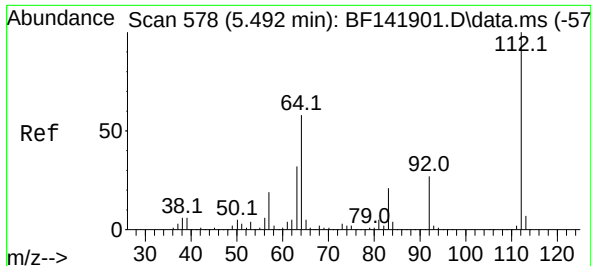
Ion Ratio Lower Upper

42 100

74 133.1 103.4 155.0

44 6.8 5.0 7.4

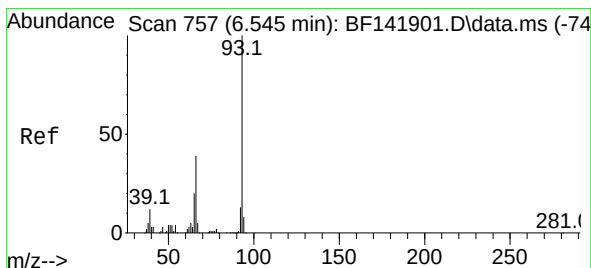
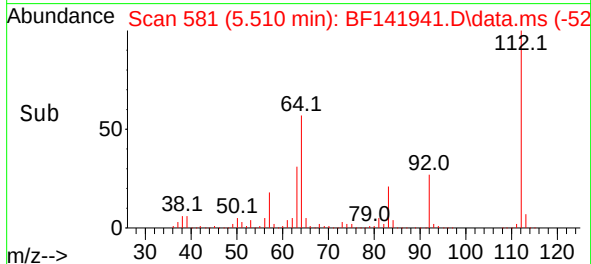
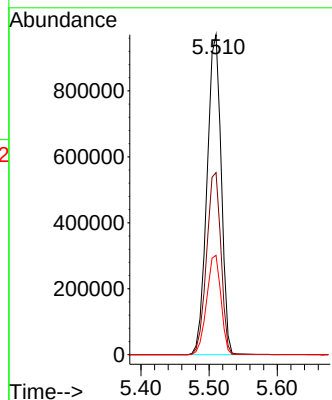
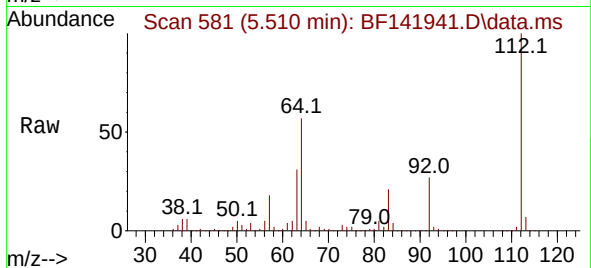




#5
2-Fluorophenol
Concen: 139.927 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

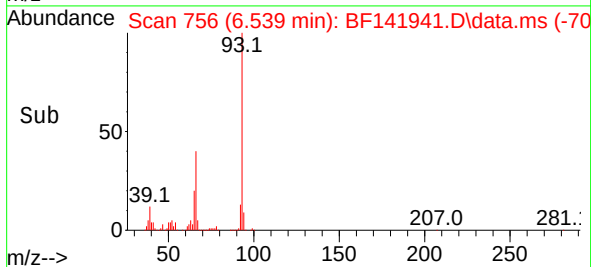
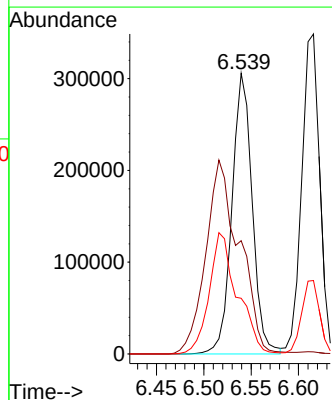
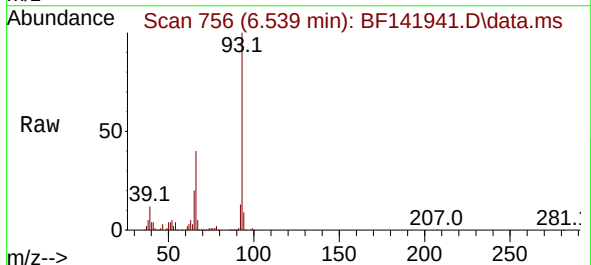
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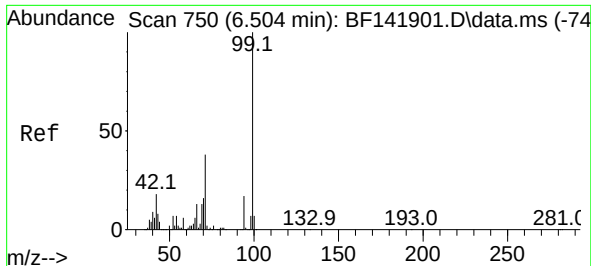
Tgt Ion:112 Resp: 1406671
Ion Ratio Lower Upper
112 100
64 56.9 46.5 69.7
63 31.0 25.4 38.2



#6
Aniline
Concen: 36.109 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 93 Resp: 455935
Ion Ratio Lower Upper
93 100
66 40.4 31.9 47.9
65 19.8 15.8 23.6

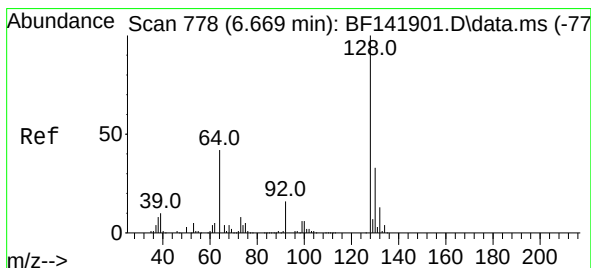
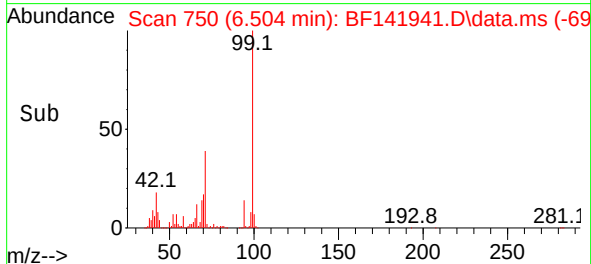
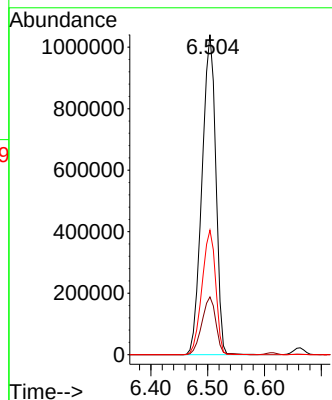
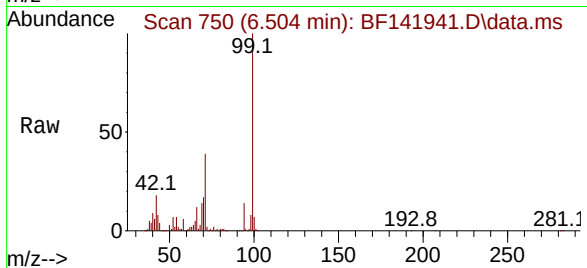




#7
Phenol-d6
Concen: 137.067 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

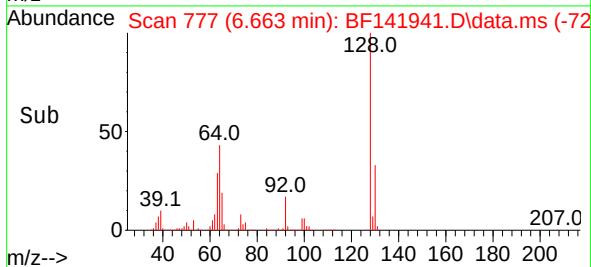
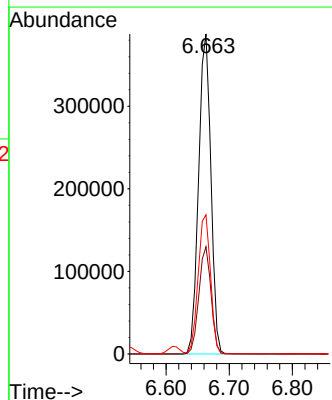
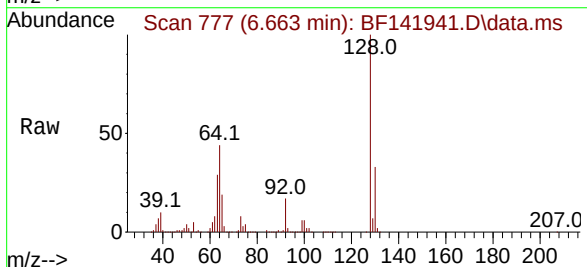
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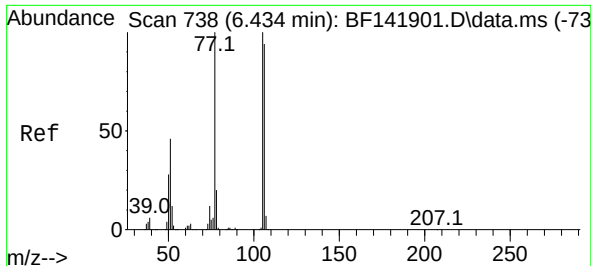
Tgt Ion: 99 Resp: 1754393
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 38.9 30.8 46.2



#8
2-Chlorophenol
Concen: 46.852 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:128 Resp: 522369
Ion Ratio Lower Upper
128 100
130 33.5 12.8 52.8
64 43.5 24.4 64.4

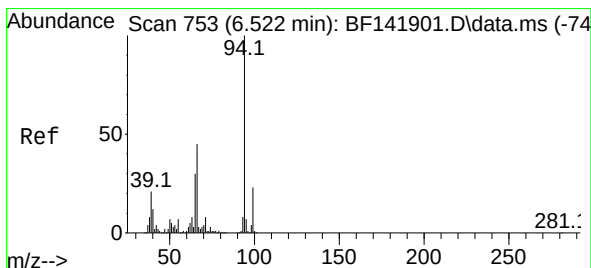
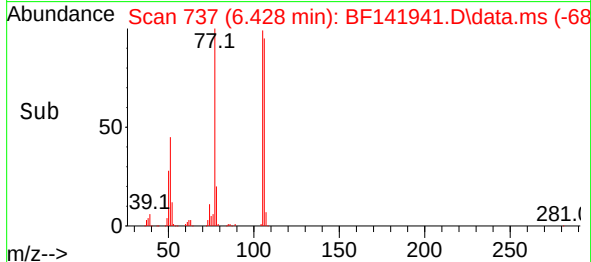
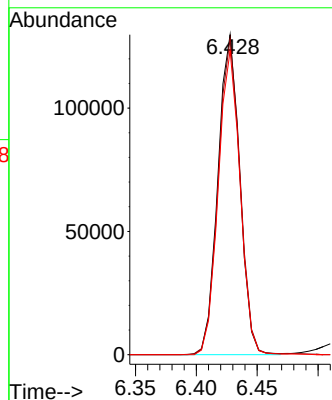
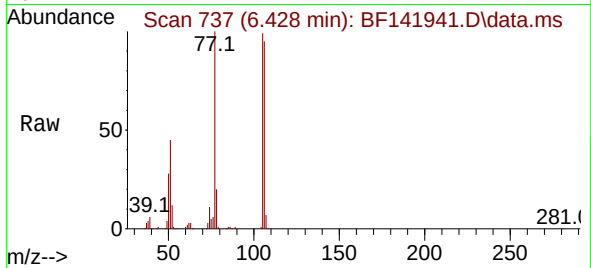




#9
Benzaldehyde
Concen: 22.563 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141941.D
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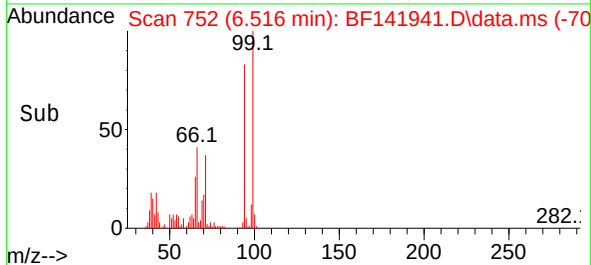
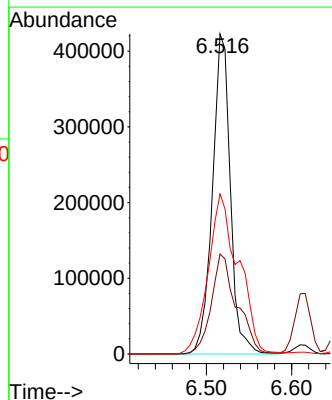
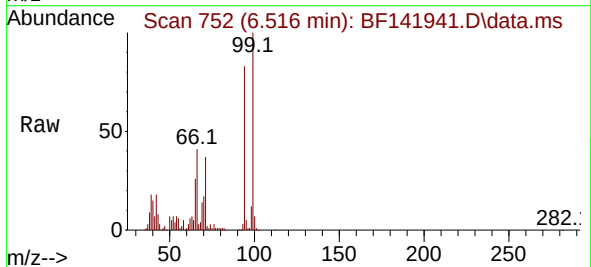
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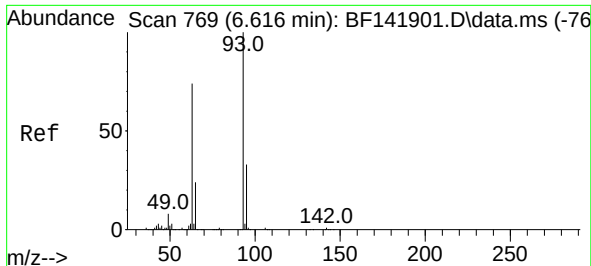
Tgt Ion: 77 Resp: 161518
Ion Ratio Lower Upper
77 100
105 98.8 80.0 120.0
106 95.0 74.5 114.5



#10
Phenol
Concen: 45.757 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 94 Resp: 616143
Ion Ratio Lower Upper
94 100
65 31.2 10.5 50.5
66 50.0 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 45.535 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

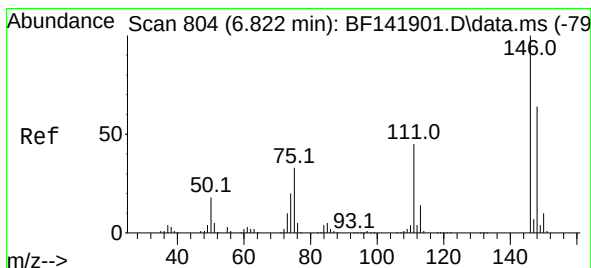
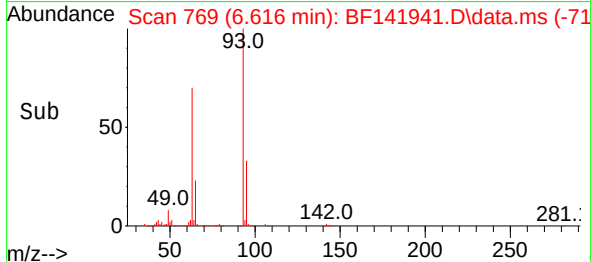
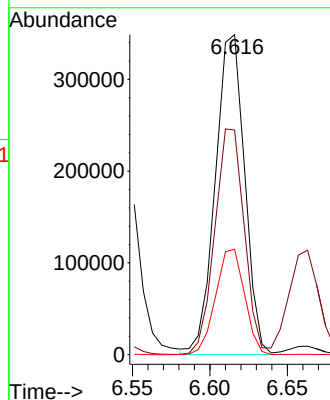
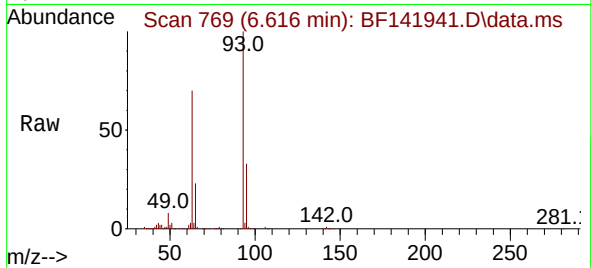
Tgt Ion: 93 Resp: 460406

Ion Ratio Lower Upper

93 100

63 70.2 53.0 93.0

95 32.9 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 45.613 ng

RT: 6.816 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

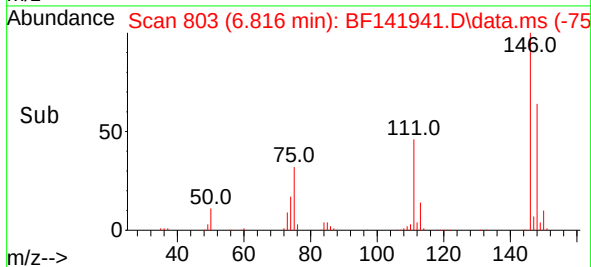
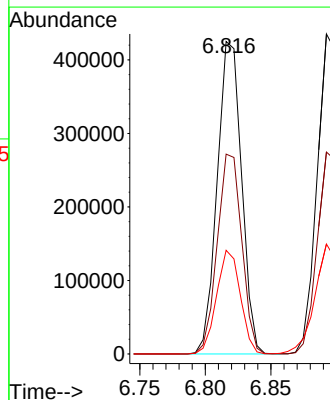
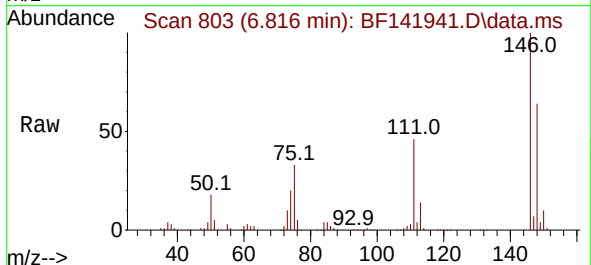
Tgt Ion:146 Resp: 549049

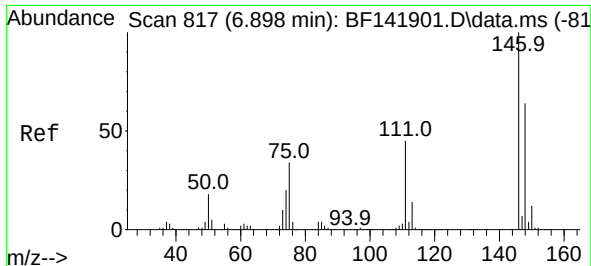
Ion Ratio Lower Upper

146 100

148 64.0 51.3 76.9

75 33.2 26.6 40.0

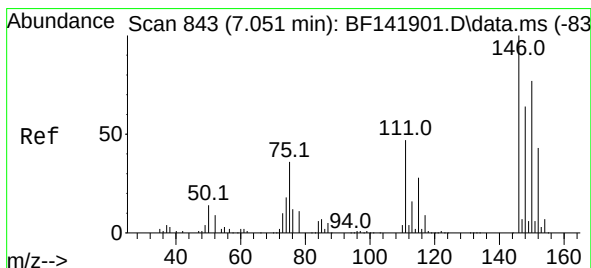
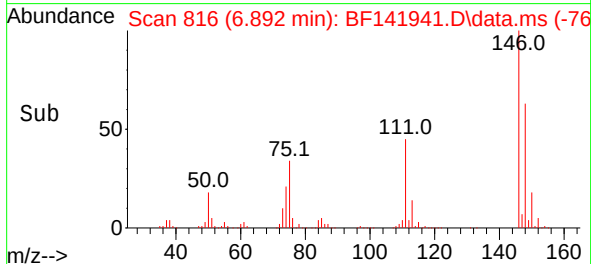
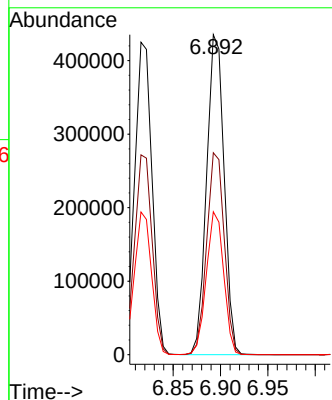
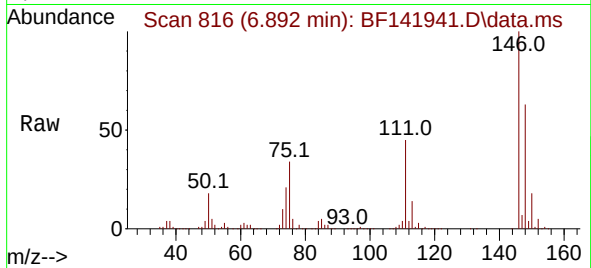




#13
1,4-Dichlorobenzene
Concen: 45.829 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

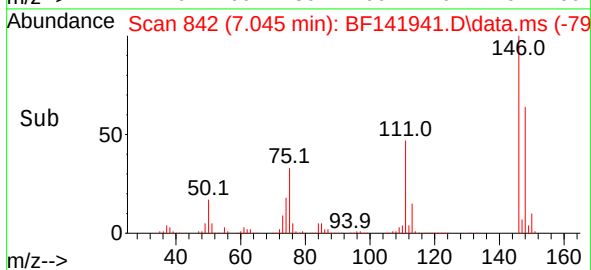
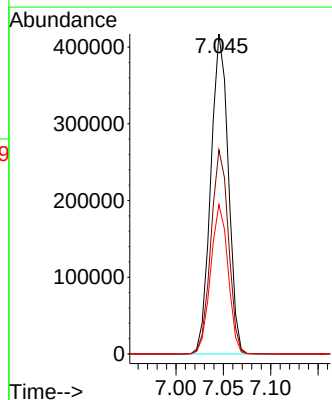
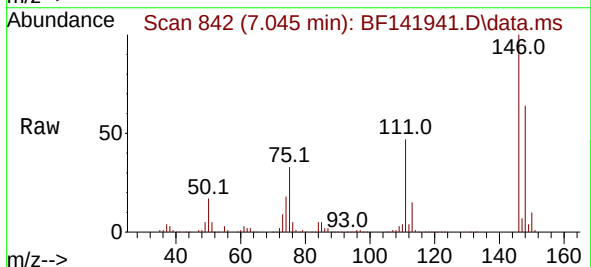
Instrument :
BNA_F
ClientSampleId :
PB167097BS

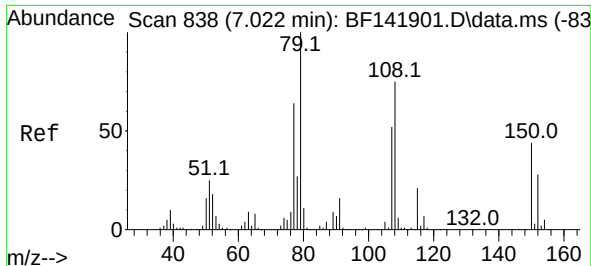
Tgt Ion:146 Resp: 558151
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.6
111 44.7 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 46.667 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:146 Resp: 535333
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 46.7 38.0 57.0





#15

Benzyl Alcohol

Concen: 44.930 ng

RT: 7.016 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

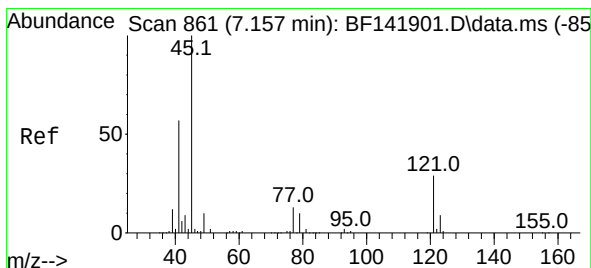
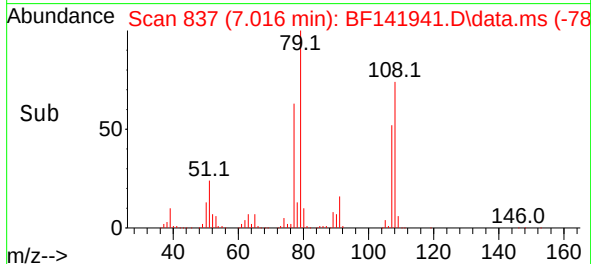
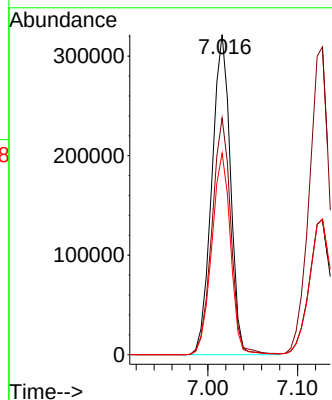
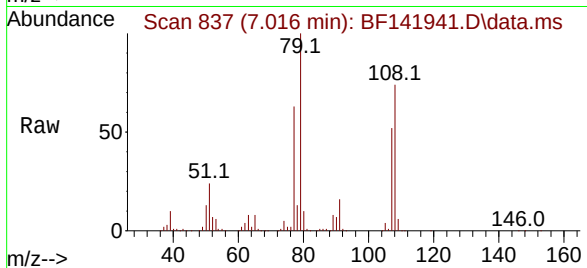
Tgt Ion: 79 Resp: 464922

Ion Ratio Lower Upper

79 100

108 74.0 59.7 89.5

77 63.0 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.748 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

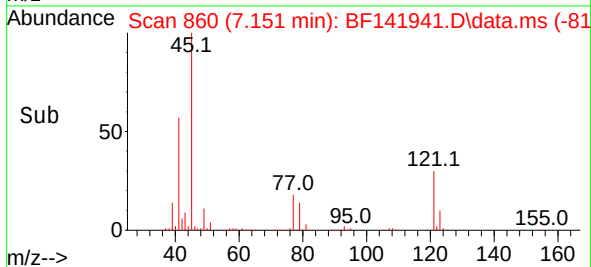
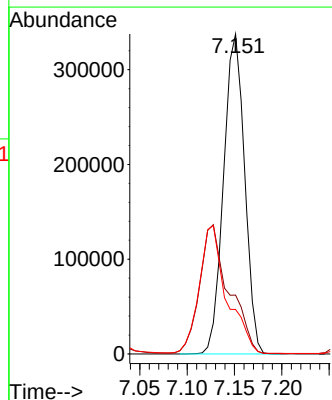
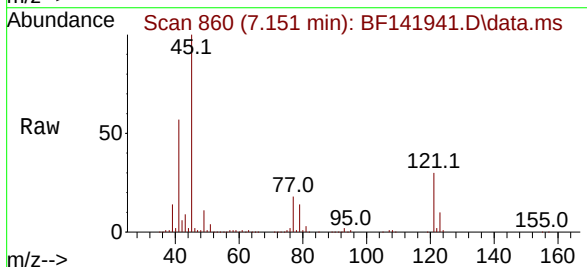
Tgt Ion: 45 Resp: 521817

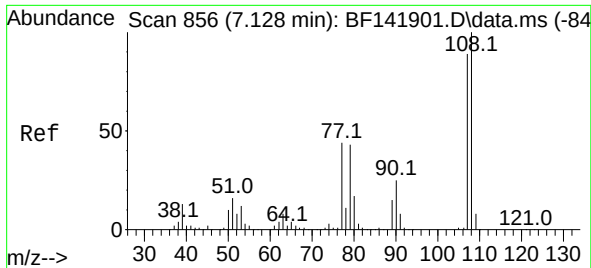
Ion Ratio Lower Upper

45 100

77 18.4 0.0 37.8

79 13.9 0.0 34.2

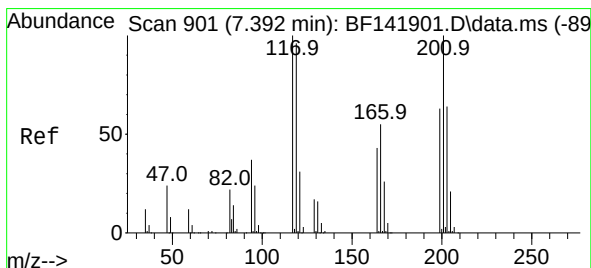
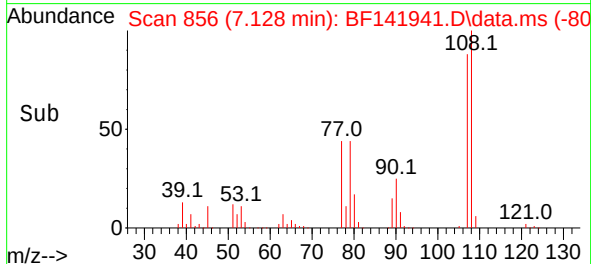
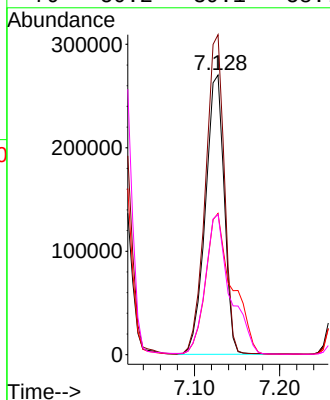
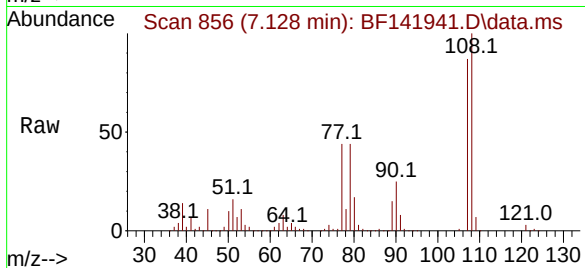




#17
2-Methylphenol
Concen: 46.686 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

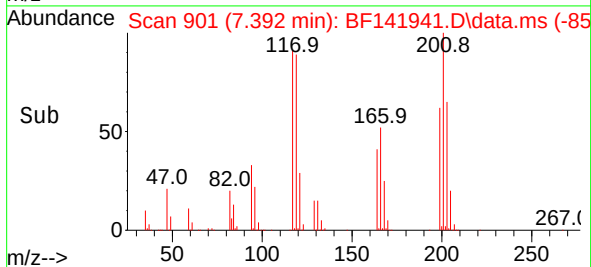
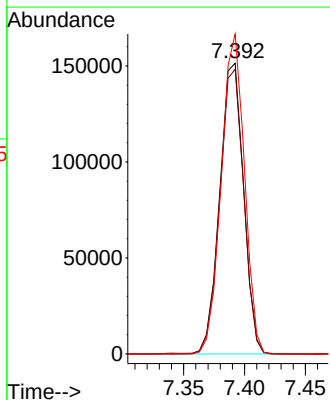
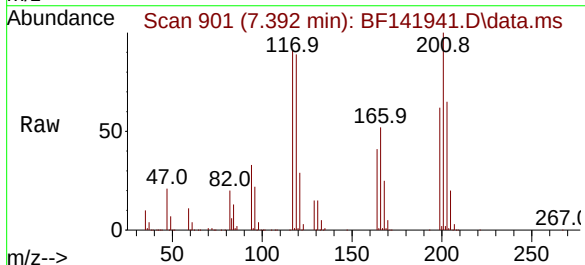
Instrument :
BNA_F
ClientSampleId :
PB167097BS

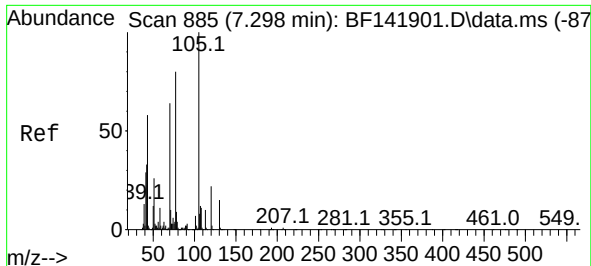
Tgt Ion:	107	Resp:	413870
Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.2	135.2
77	50.5	39.6	59.4
79	50.2	39.1	58.7



#18
Hexachloroethane
Concen: 45.179 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:	117	Resp:	206331
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.9	115.3
201	110.1	79.9	119.9

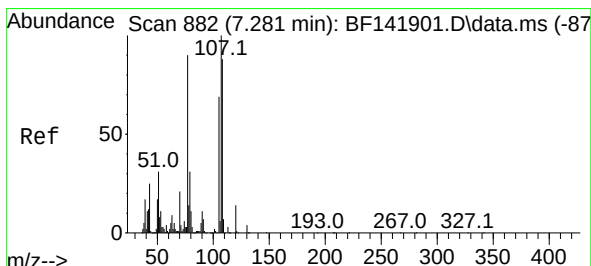
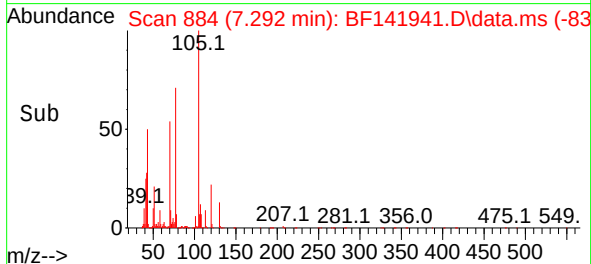
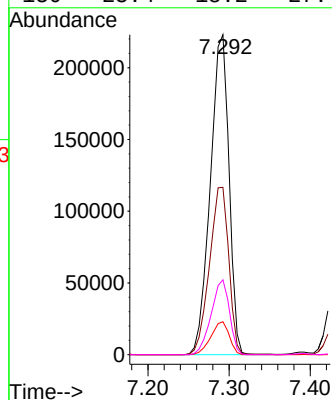
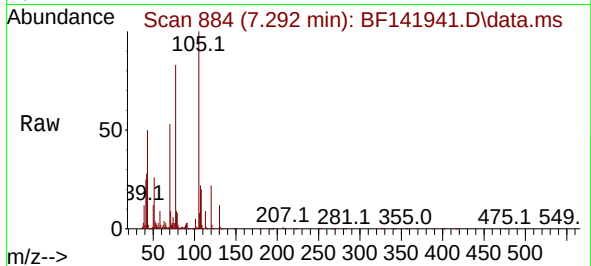




#19
n-Nitroso-di-n-propylamine
Concen: 43.331 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

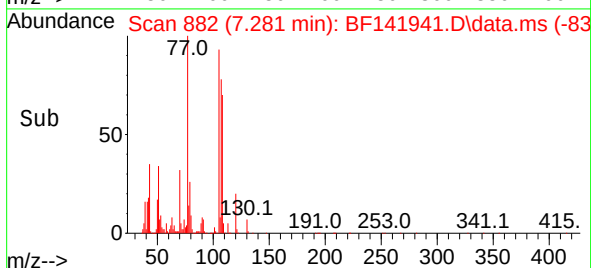
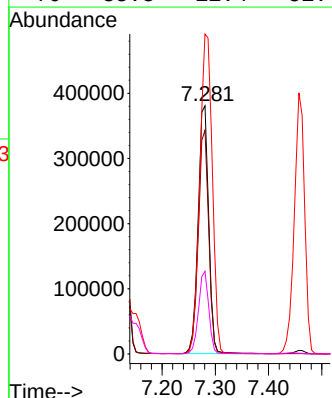
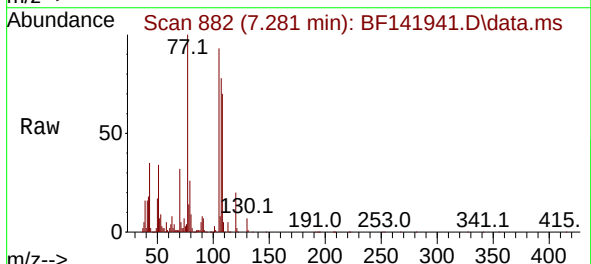
Instrument :
BNA_F
ClientSampleId :
PB167097BS

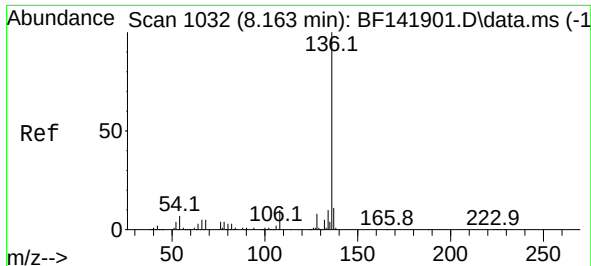
Tgt Ion: 70 Resp: 356374
Ion Ratio Lower Upper
70 100
42 52.3 41.4 62.0
101 10.3 8.2 12.2
130 23.4 18.2 27.4



#20
3+4-Methylphenols
Concen: 46.311 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 525851
Ion Ratio Lower Upper
107 100
108 90.1 68.4 108.4
77 129.0 69.7 109.7#
79 33.3 11.4 51.4

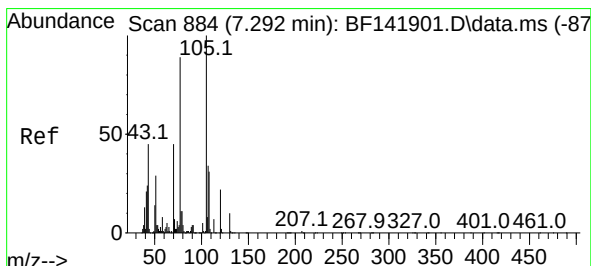
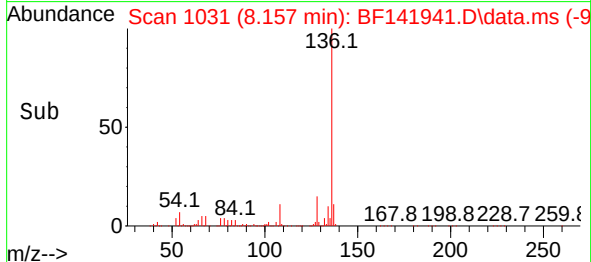
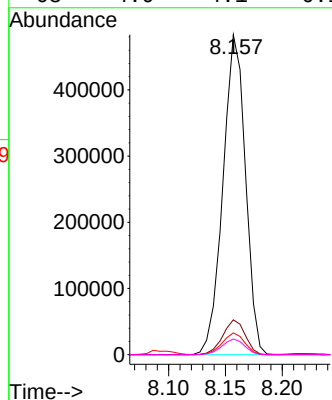
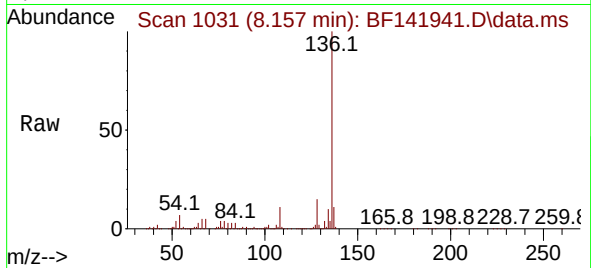




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

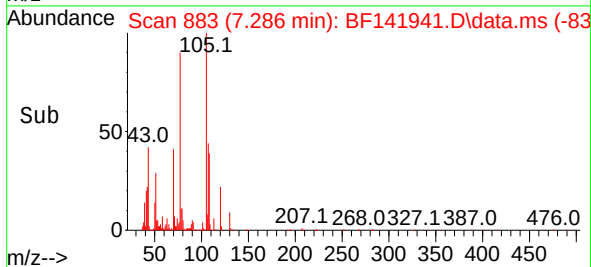
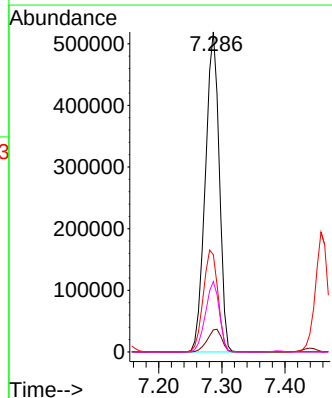
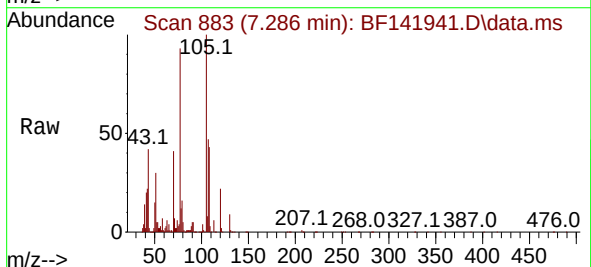
Instrument :
BNA_F
ClientSampleId :
PB167097BS

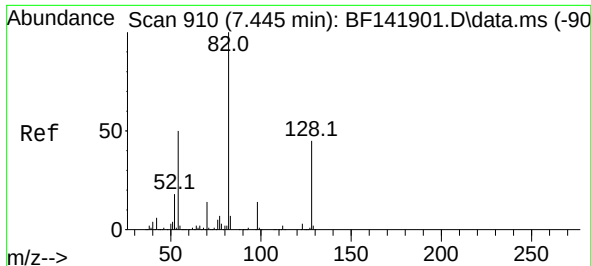
Tgt Ion:136	Resp: 666660
Ion Ratio	Lower Upper
136 100	
137 10.9	8.8 13.2
54 6.8	5.8 8.8
68 4.9	4.1 6.1



#22
Acetophenone
Concen: 49.735 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:105	Resp: 794019
Ion Ratio	Lower Upper
105 100	
71 6.9	5.8 8.8
51 30.4	23.4 35.0
120 22.0	17.3 25.9





#23

Nitrobenzene-d5

Concen: 98.606 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

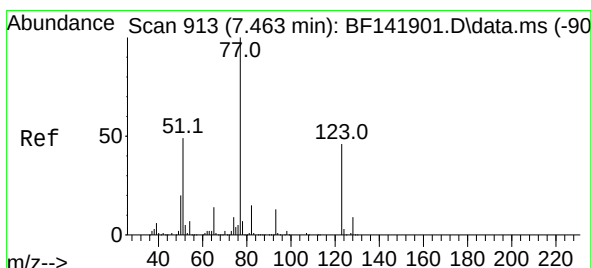
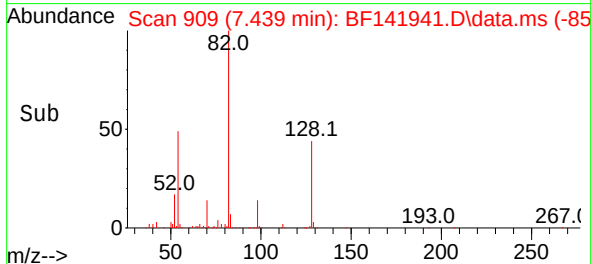
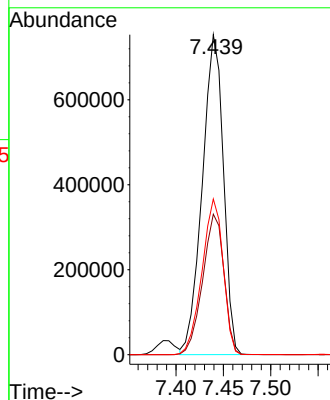
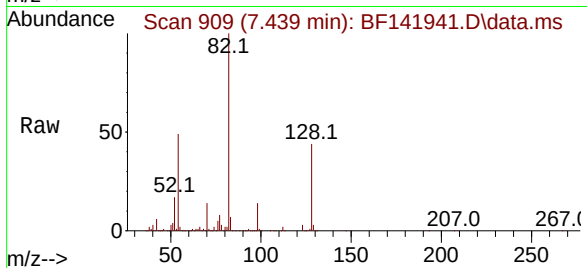
BNA_F

ClientSampleId :

PB167097BS

Tgt Ion: 82 Resp: 1168111

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.0	54.0
54	48.6	39.6	59.4



#24

Nitrobenzene

Concen: 45.933 ng

RT: 7.457 min Scan# 912

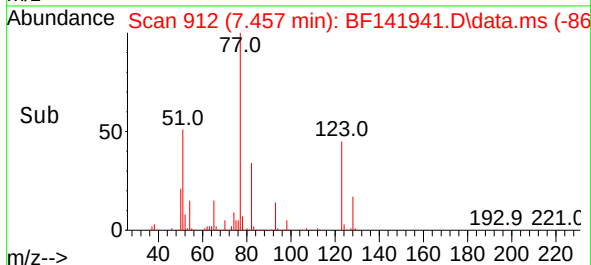
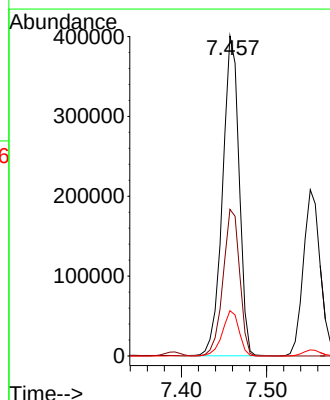
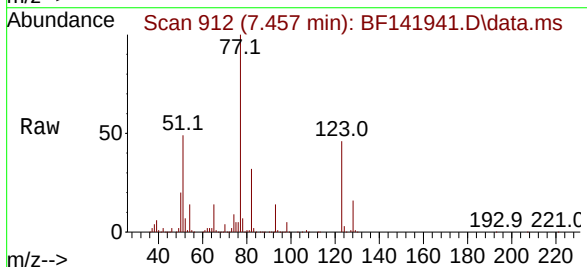
Delta R.T. -0.006 min

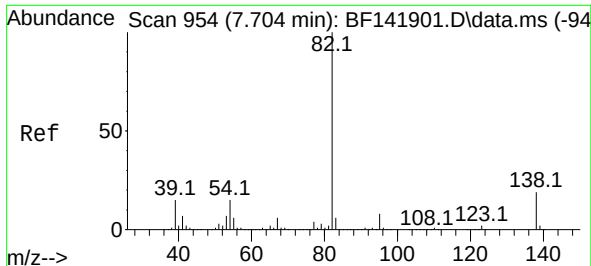
Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion: 77 Resp: 540933

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.0	55.4
65	14.1	11.3	16.9

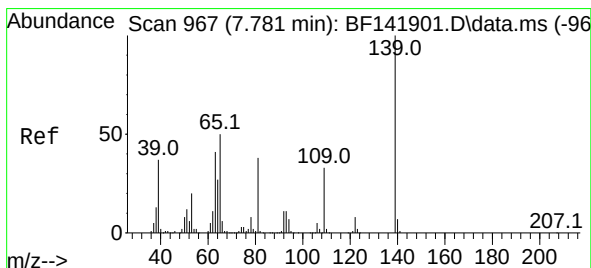
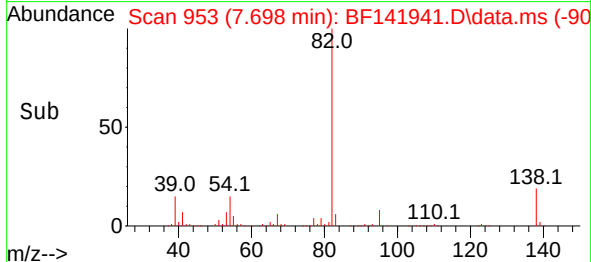
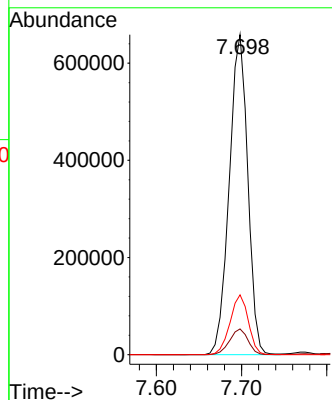
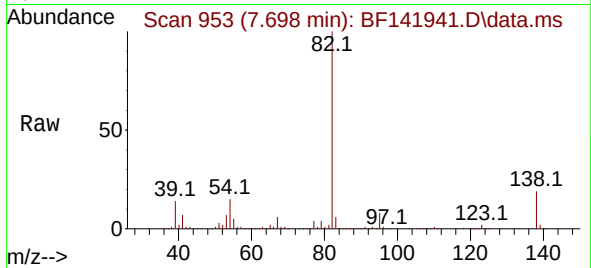




#25
Isophorone
Concen: 47.387 ng
RT: 7.698 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

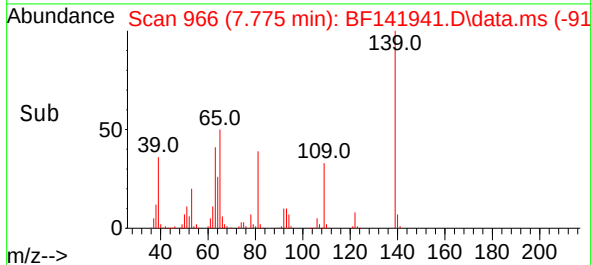
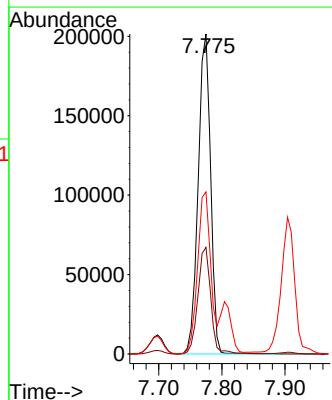
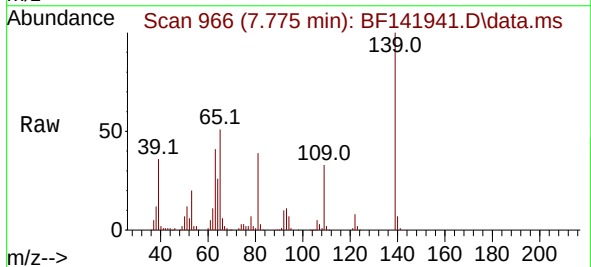
Instrument :
BNA_F
ClientSampleId :
PB167097BS

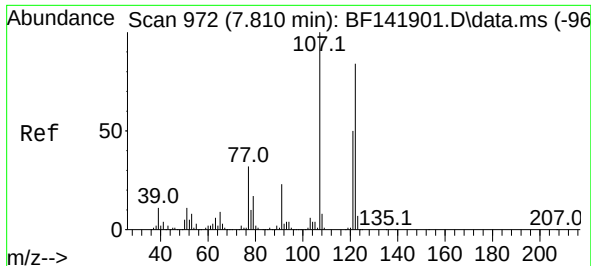
Tgt Ion: 82 Resp: 992286
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.7 14.9 22.3



#26
2-Nitrophenol
Concen: 47.460 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:139 Resp: 274315
Ion Ratio Lower Upper
139 100
109 33.3 26.5 39.7
65 50.7 40.3 60.5

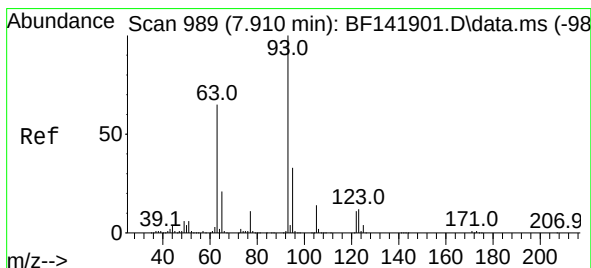
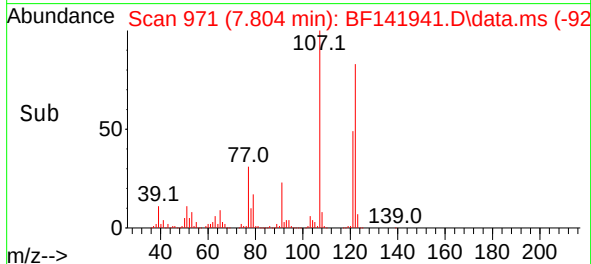
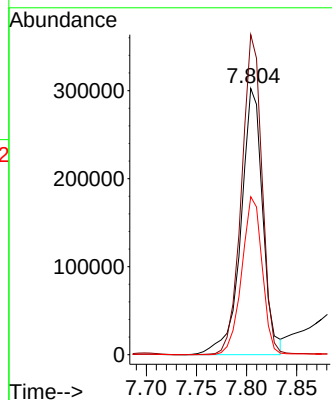
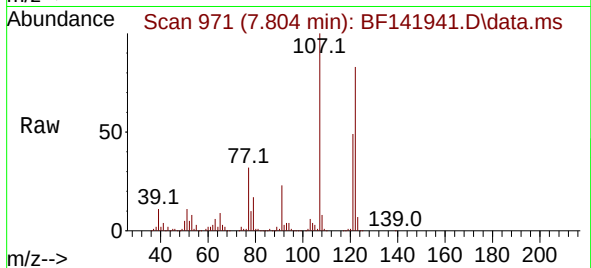




#27
2,4-Dimethylphenol
Concen: 57.557 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

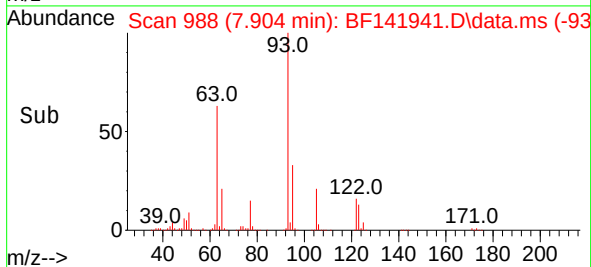
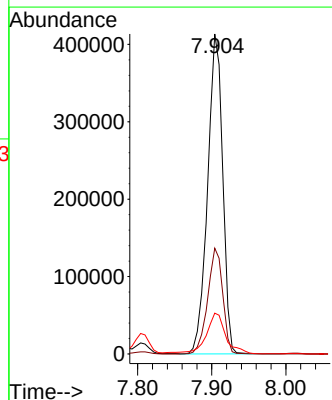
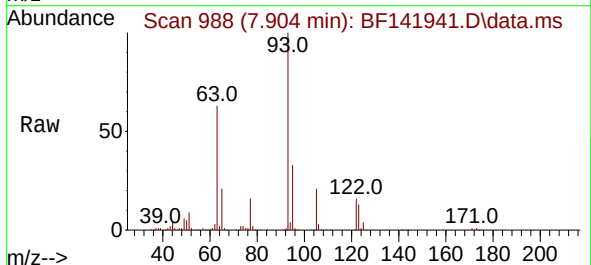
Instrument :
BNA_F
ClientSampleId :
PB167097BS

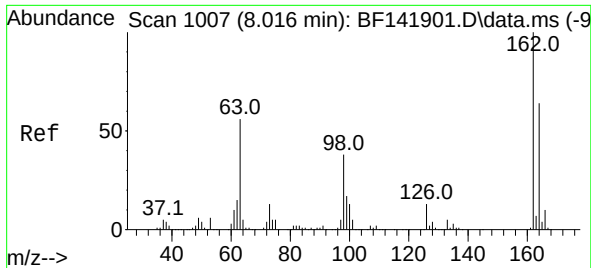
Tgt Ion:122 Resp: 458082
Ion Ratio Lower Upper
122 100
107 120.2 94.8 142.2
121 59.3 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 44.484 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 93 Resp: 584252
Ion Ratio Lower Upper
93 100
95 33.0 26.6 40.0
123 12.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.058 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

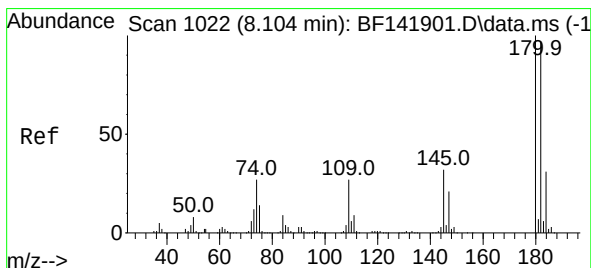
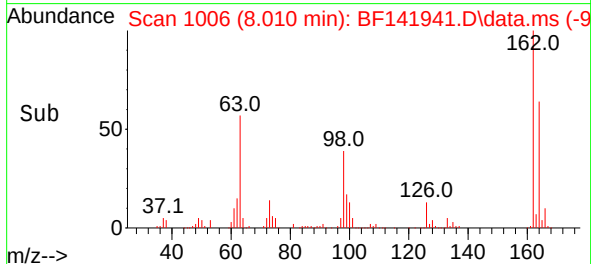
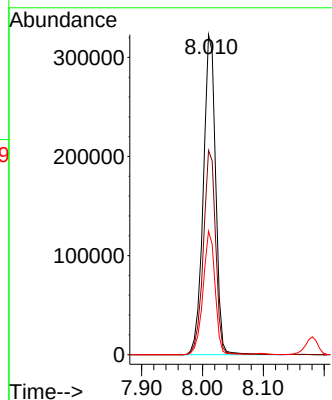
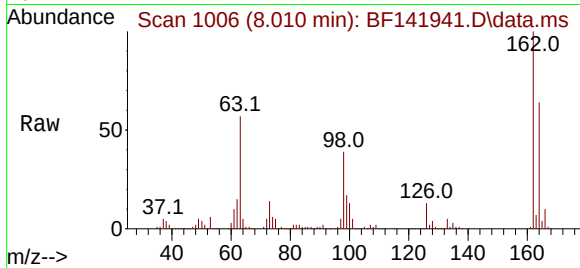
Tgt Ion:162 Resp: 454991

Ion Ratio Lower Upper

162 100

164 63.9 43.8 83.8

98 38.6 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 44.952 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

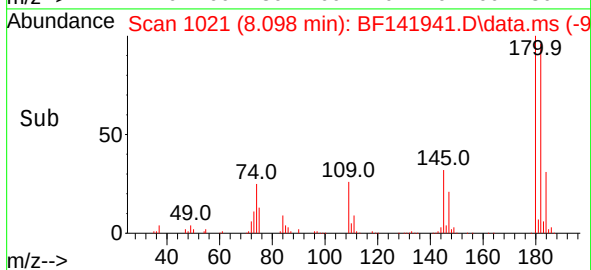
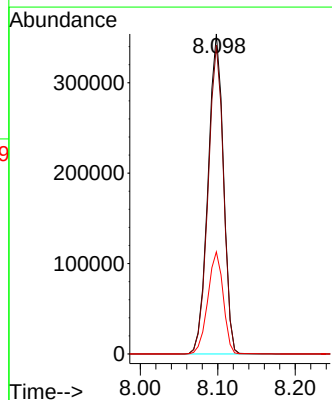
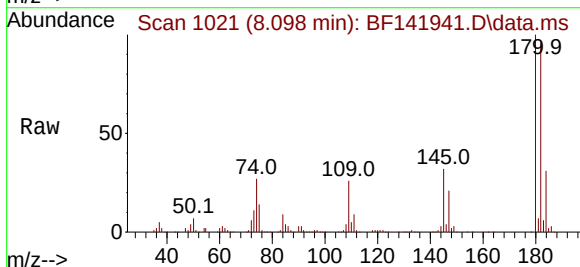
Tgt Ion:180 Resp: 489377

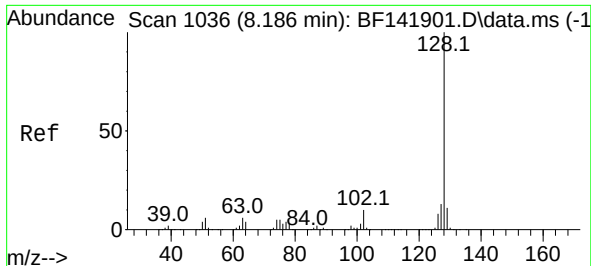
Ion Ratio Lower Upper

180 100

182 96.5 77.5 116.3

145 31.9 25.8 38.6

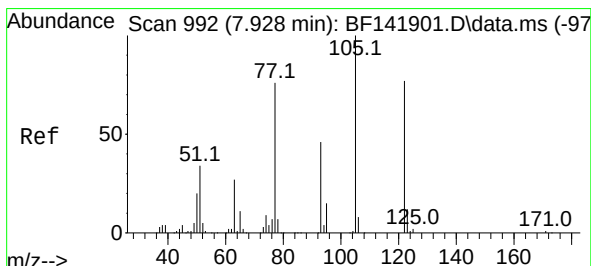
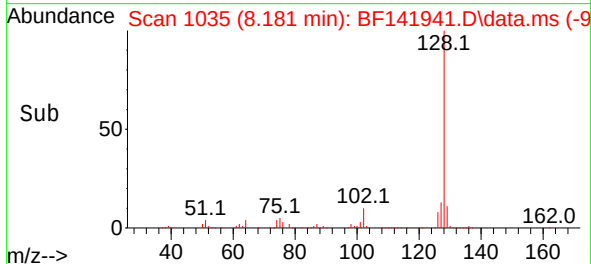
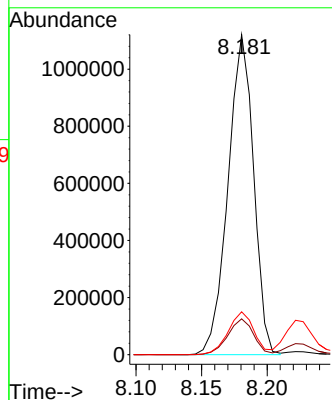
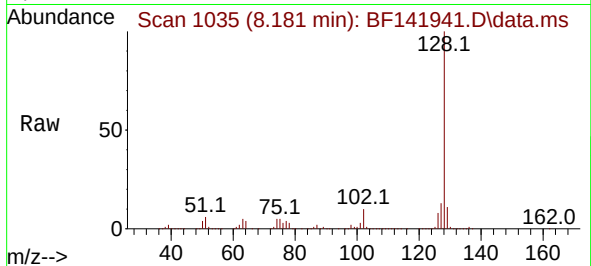




#31
Naphthalene
Concen: 44.415 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

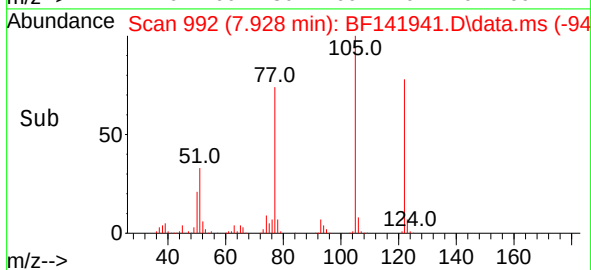
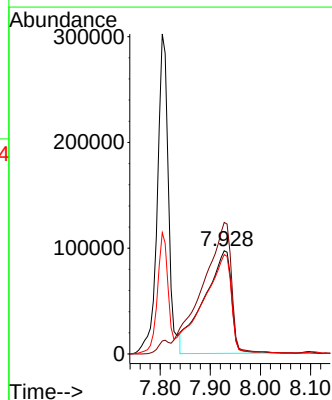
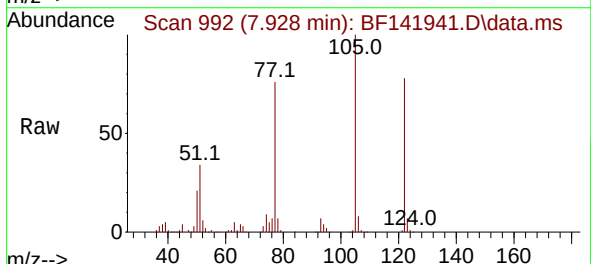
Instrument :
BNA_F
ClientSampleId :
PB167097BS

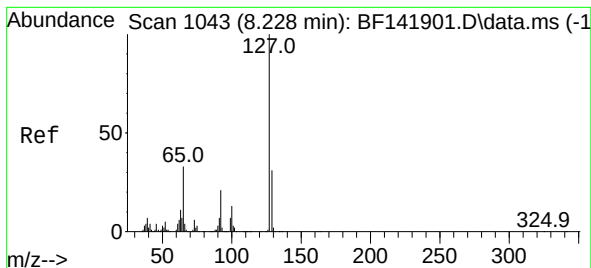
Tgt Ion:128 Resp: 1521001
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 52.727 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:122 Resp: 368882
Ion Ratio Lower Upper
122 100
105 127.5 107.9 147.9
77 96.3 79.0 119.0





#33

4-Chloroaniline

Concen: 15.710 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:127 Resp: 189925

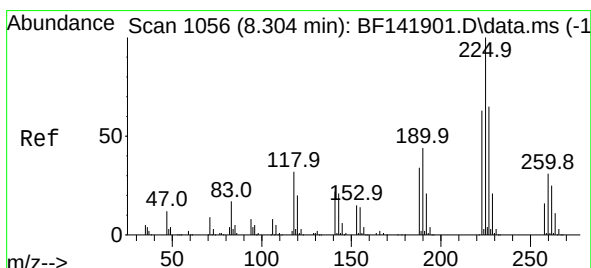
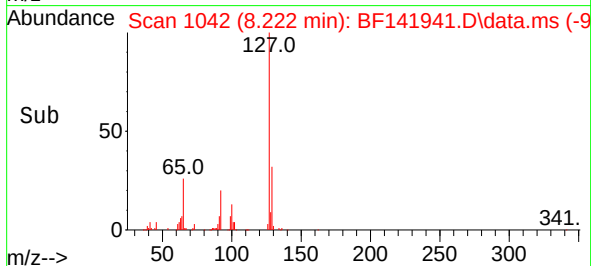
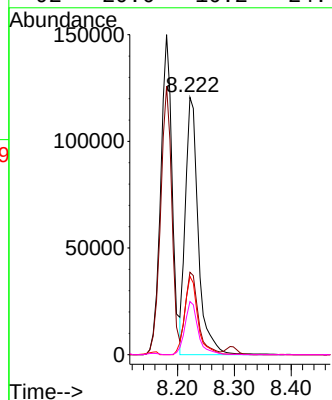
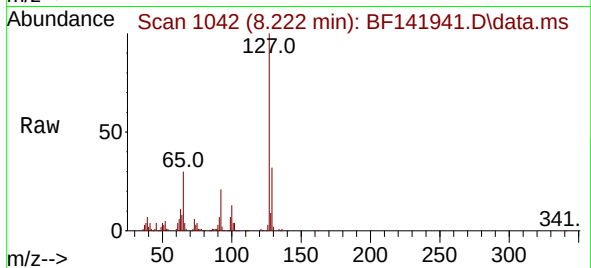
Ion Ratio Lower Upper

127 100

129 32.0 26.2 39.4

65 30.4 25.4 38.2

92 20.6 16.2 24.4



#34

Hexachlorobutadiene

Concen: 46.496 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

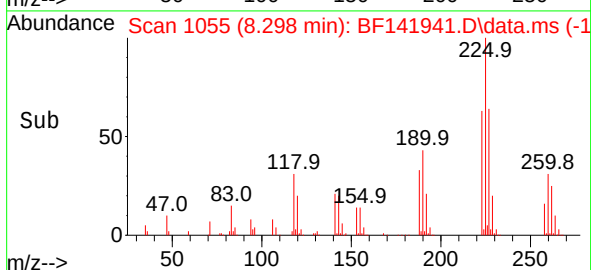
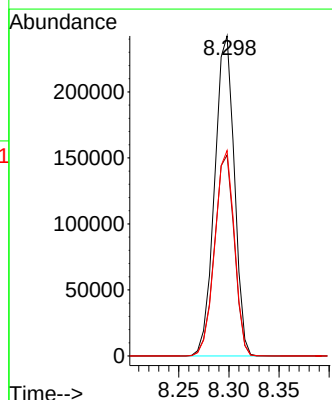
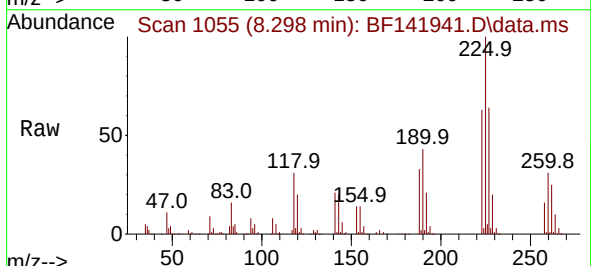
Tgt Ion:225 Resp: 330110

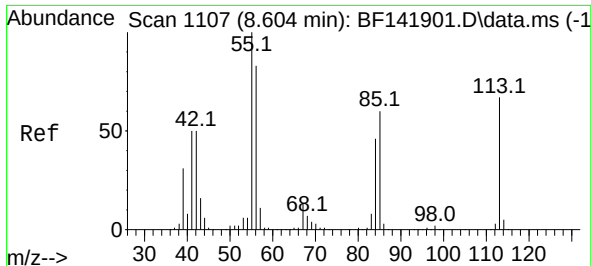
Ion Ratio Lower Upper

225 100

223 62.8 50.6 75.8

227 64.2 52.2 78.2





#35

Caprolactam

Concen: 26.727 ng

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

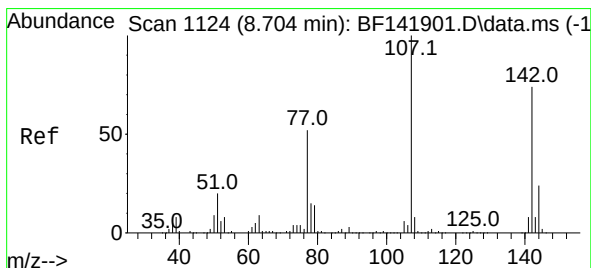
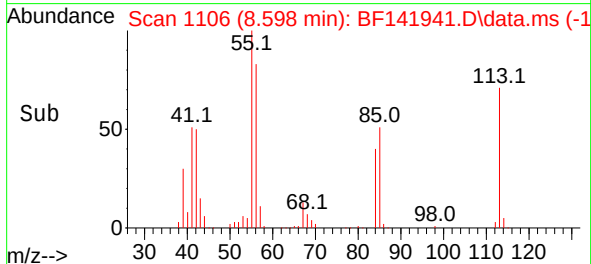
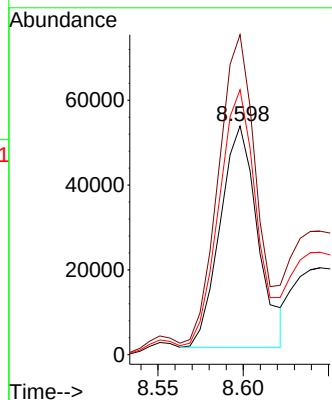
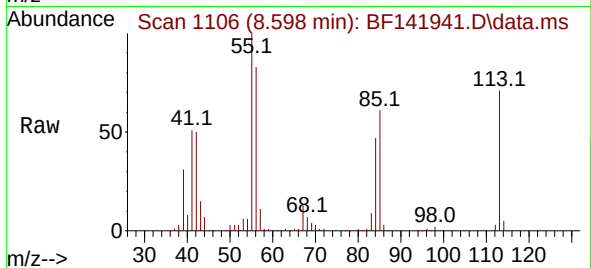
Tgt Ion:113 Resp: 80497

Ion Ratio Lower Upper

113 100

55 139.9 129.6 169.6

56 115.9 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 45.924 ng

RT: 8.704 min Scan# 1124

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

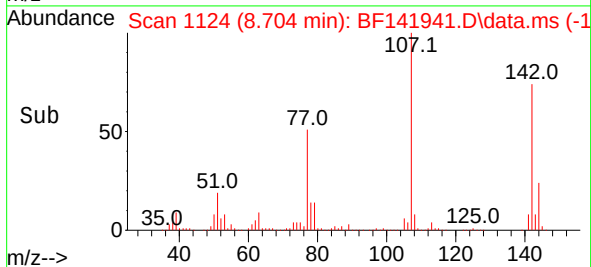
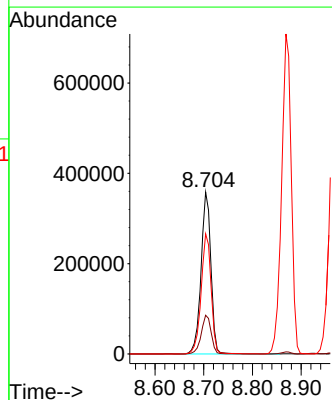
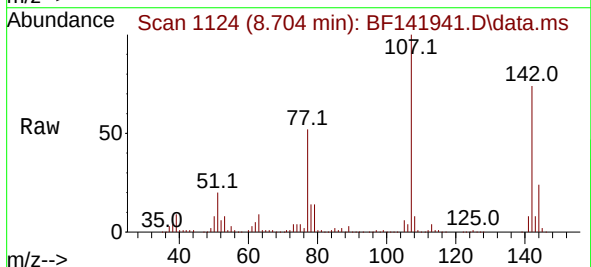
Tgt Ion:107 Resp: 506070

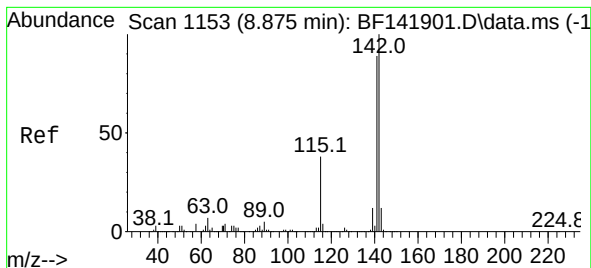
Ion Ratio Lower Upper

107 100

144 24.0 19.0 28.6

142 74.3 59.2 88.8





#37

2-Methylnaphthalene

Concen: 42.989 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

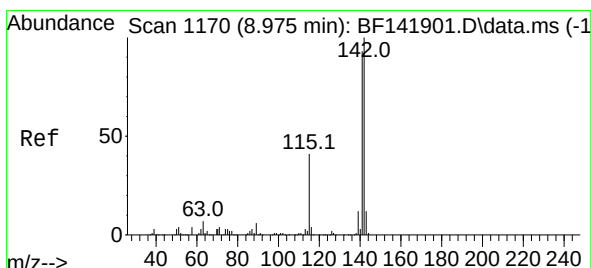
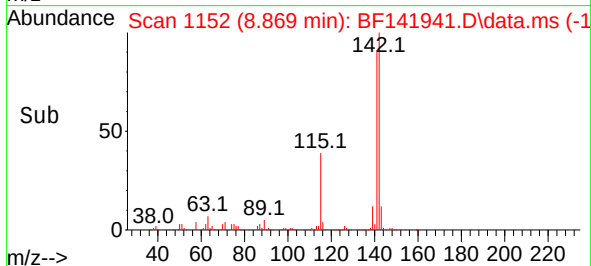
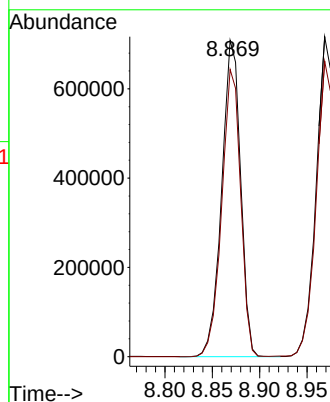
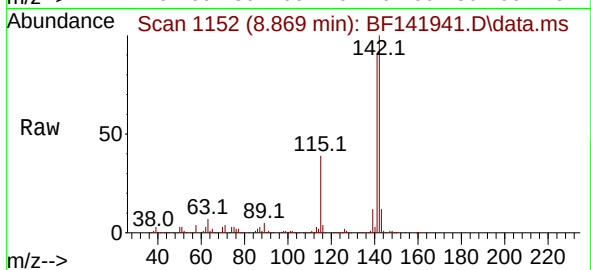
PB167097BS

Tgt Ion:142 Resp: 984016

Ion Ratio Lower Upper

142 100

141 90.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 44.147 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141941.D

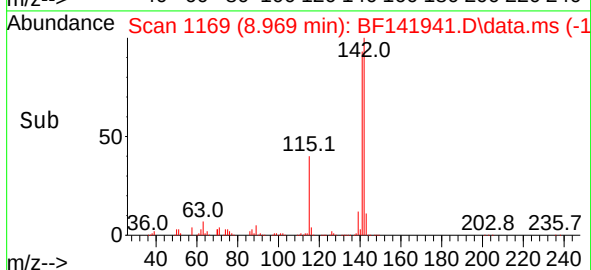
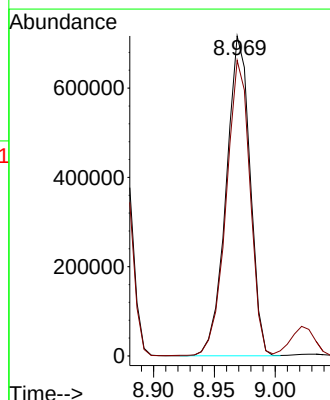
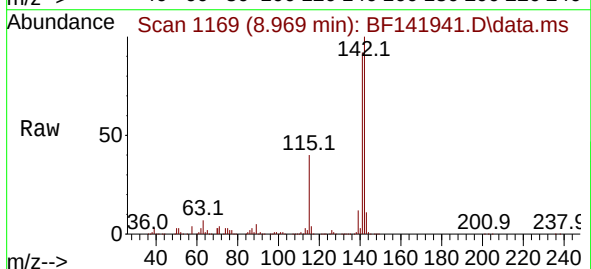
Acq: 13 Mar 2025 13:17

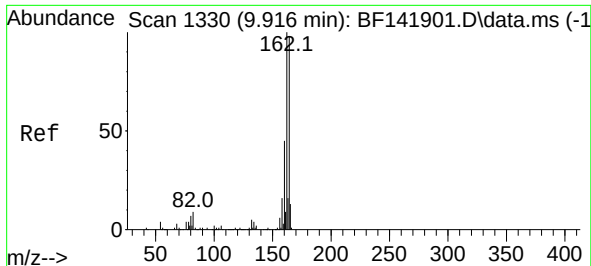
Tgt Ion:142 Resp: 975143

Ion Ratio Lower Upper

142 100

141 92.4 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: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

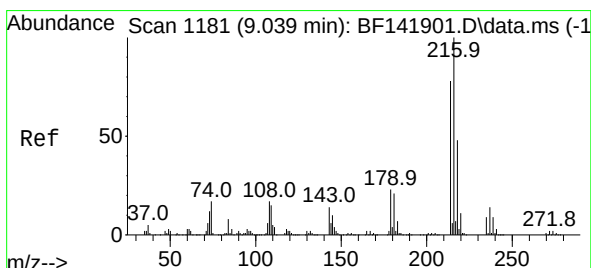
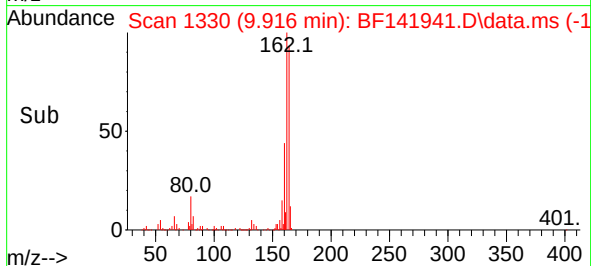
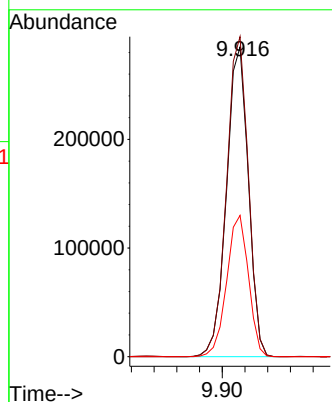
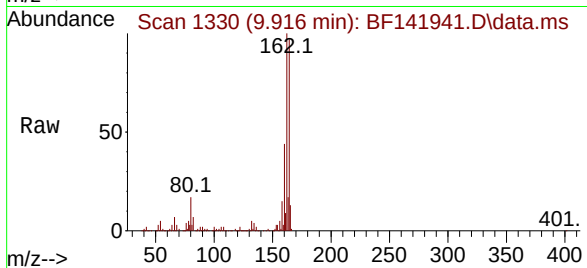
Tgt Ion:164 Resp: 381133

Ion Ratio Lower Upper

164 100

162 103.3 81.8 122.6

160 45.6 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.807 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion:216 Resp: 589567

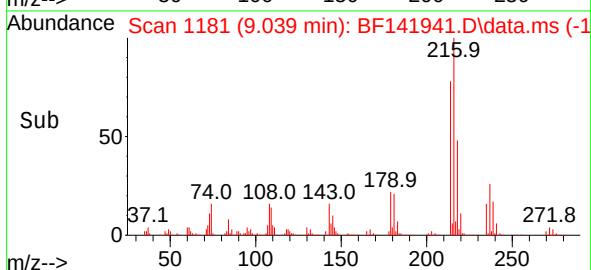
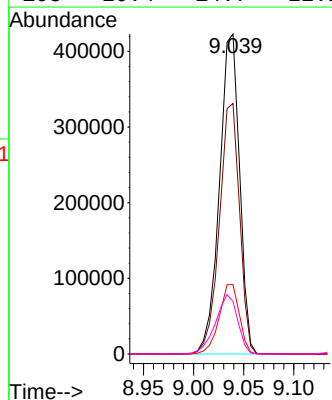
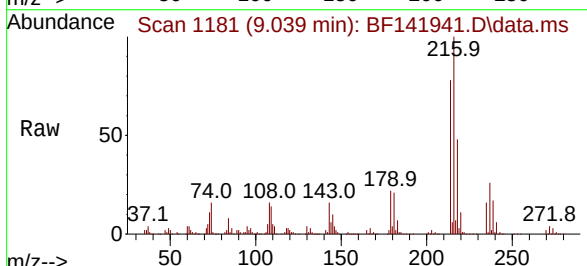
Ion Ratio Lower Upper

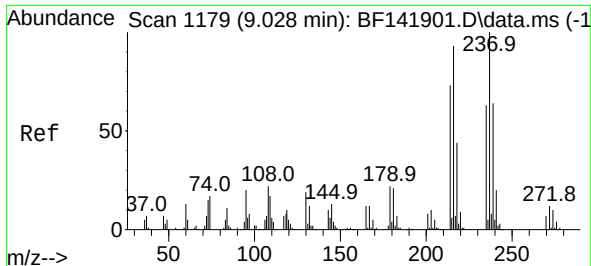
216 100

214 78.4 61.9 92.9

179 21.8 18.1 27.1

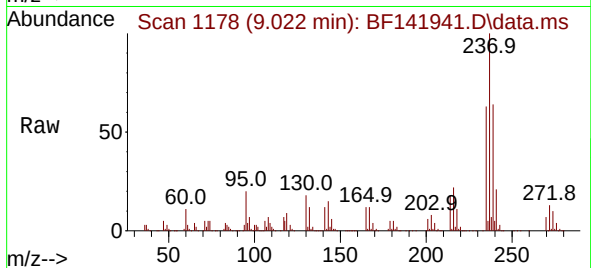
108 20.4 14.7 22.1



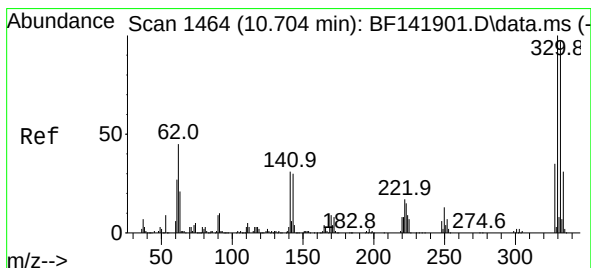
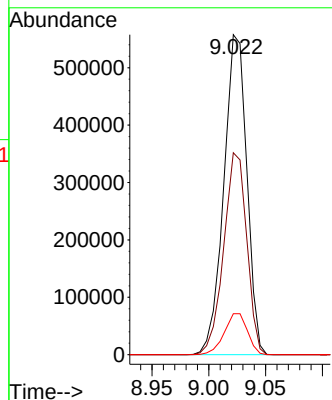
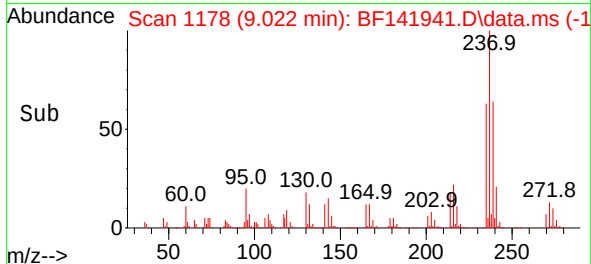


#41
Hexachlorocyclopentadiene
Concen: 173.440 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

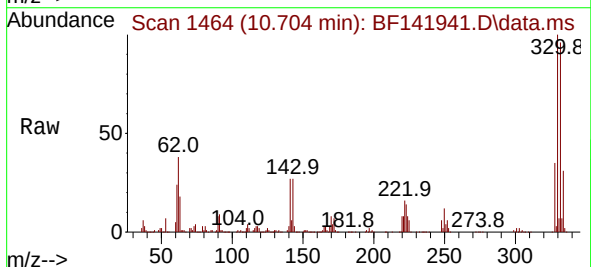
Instrument :
BNA_F
ClientSampleId :
PB167097BS



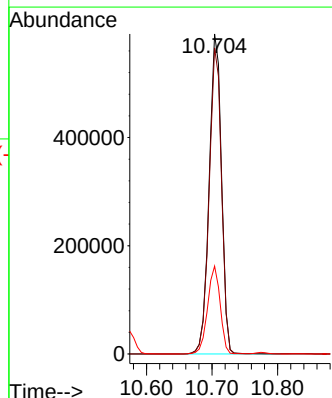
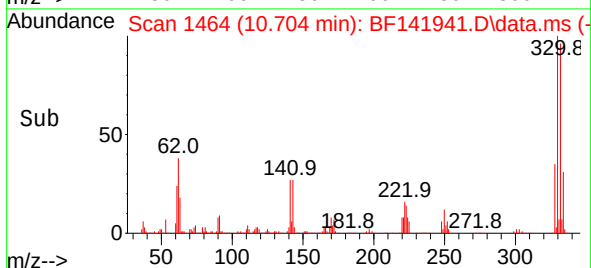
Tgt Ion:237 Resp: 787647
Ion Ratio Lower Upper
237 100
235 63.1 43.1 83.1
272 12.8 0.0 32.0

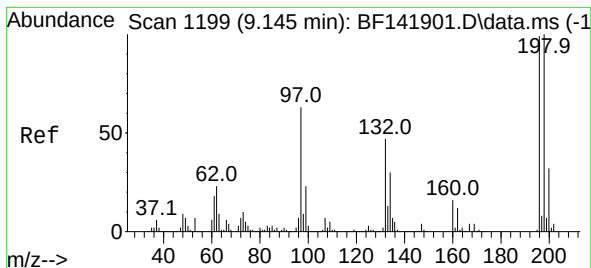


#42
2,4,6-Tribromophenol
Concen: 160.048 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:330 Resp: 773860
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 28.0 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 49.244 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

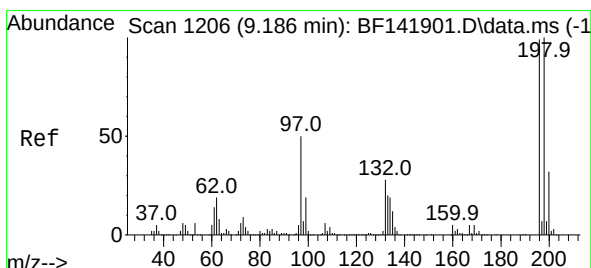
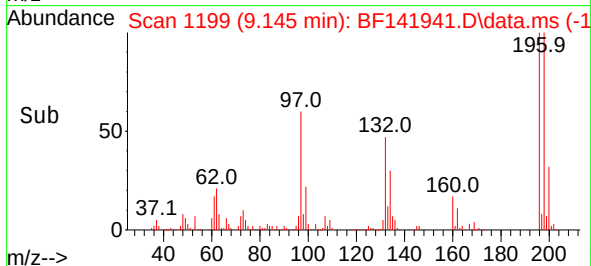
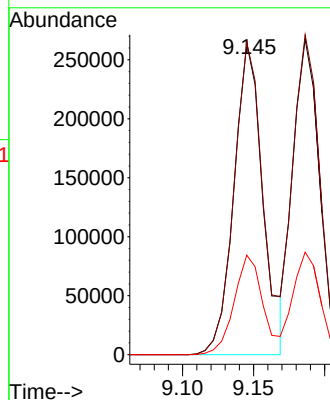
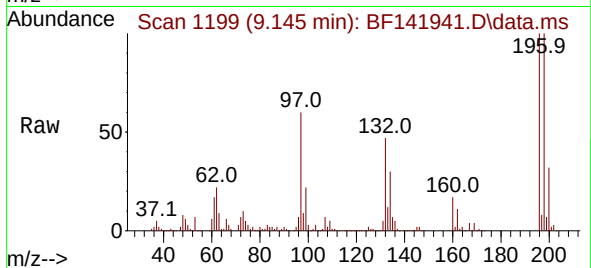
Tgt Ion:196 Resp: 373446

Ion Ratio Lower Upper

196 100

198 100.4 80.6 121.0

200 32.0 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 45.418 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion:196 Resp: 348841

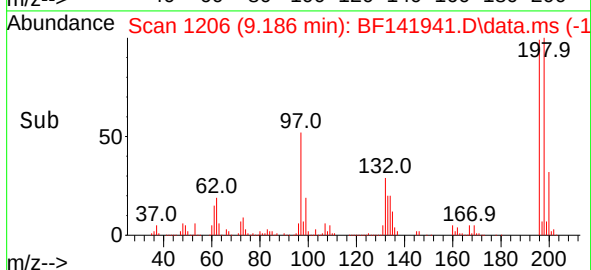
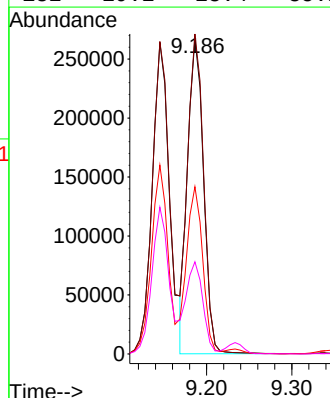
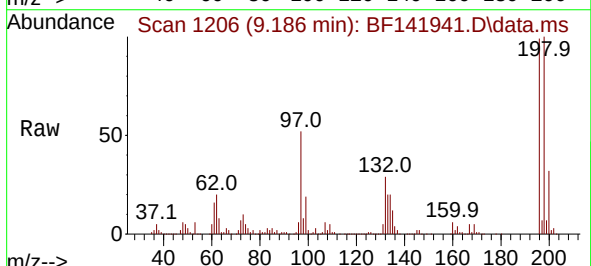
Ion Ratio Lower Upper

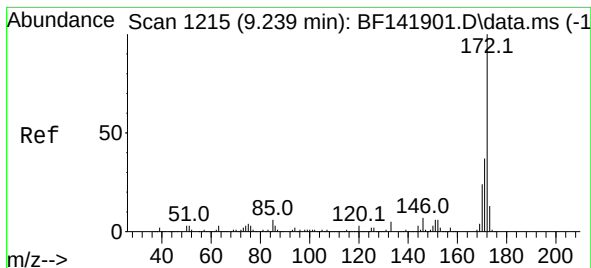
196 100

198 101.4 80.7 121.1

97 53.0 42.1 63.1

132 29.2 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 97.806 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

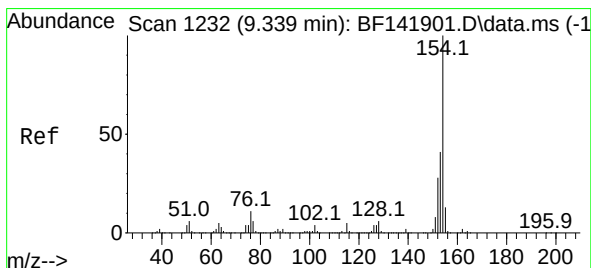
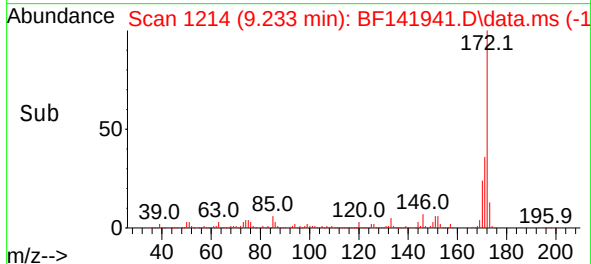
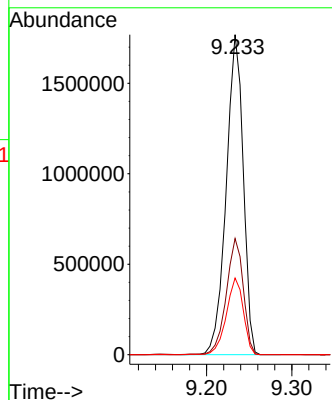
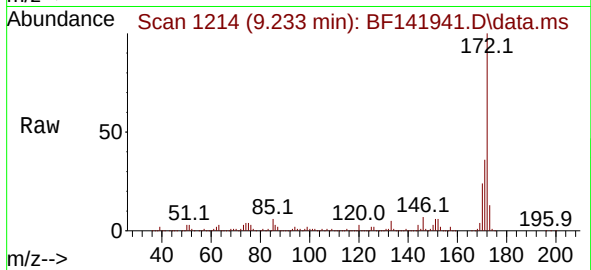
Tgt Ion:172 Resp: 2451144

Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 24.0 19.4 29.0



#46

1,1'-Biphenyl

Concen: 50.256 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

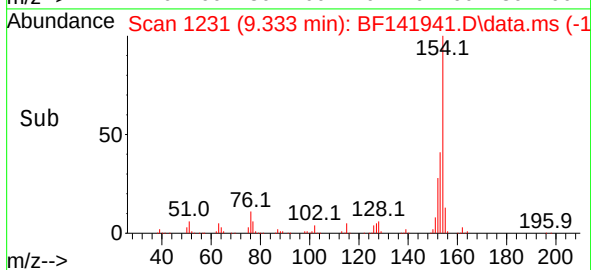
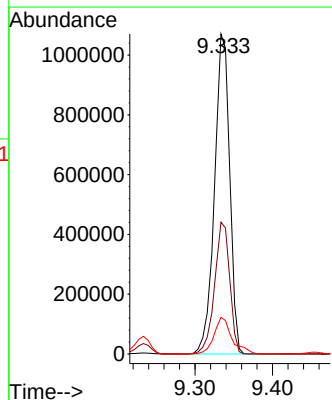
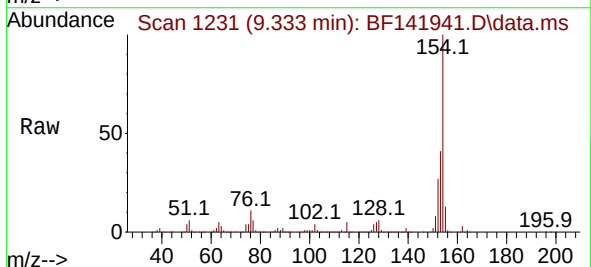
Tgt Ion:154 Resp: 1455375

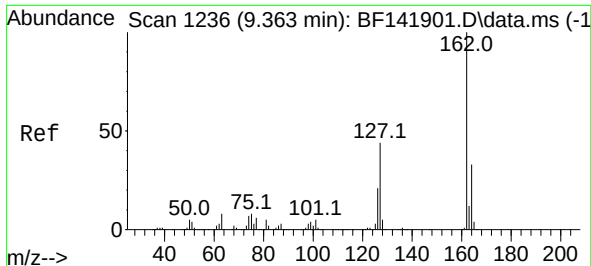
Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 11.5 0.0 31.3





#47

2-Chloronaphthalene

Concen: 46.033 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

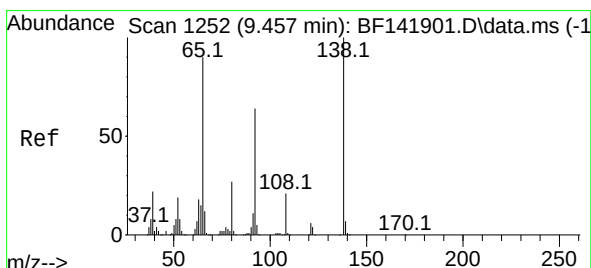
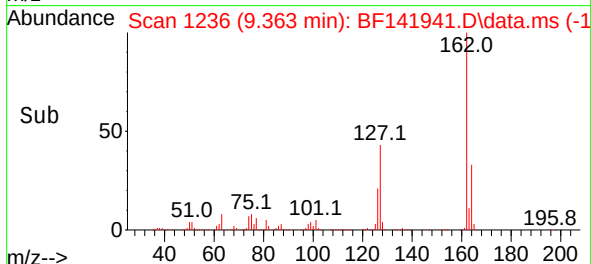
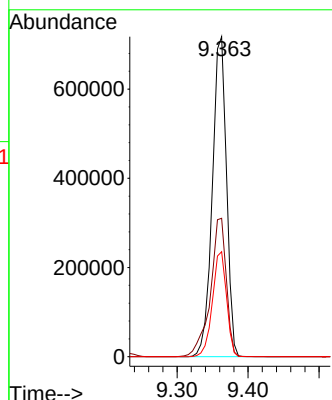
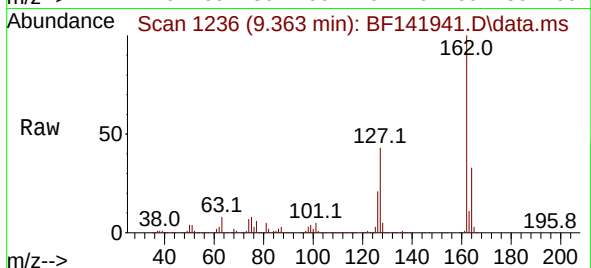
Tgt Ion:162 Resp: 993605

Ion Ratio Lower Upper

162 100

127 43.2 35.5 53.3

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 47.288 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

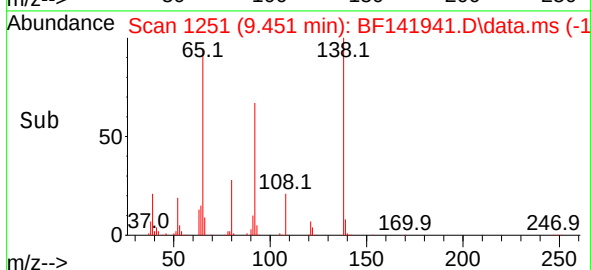
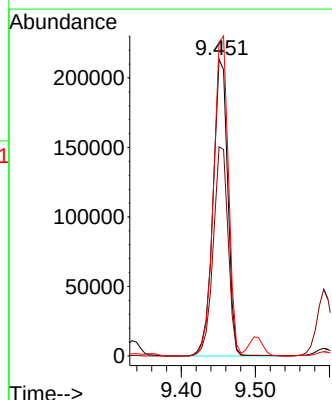
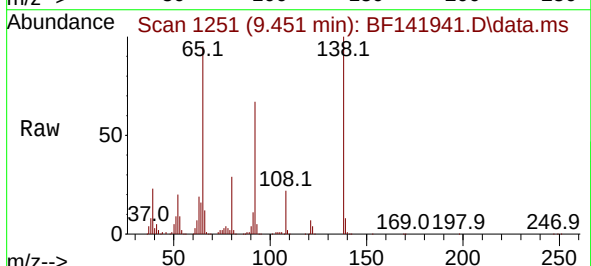
Tgt Ion: 65 Resp: 295534

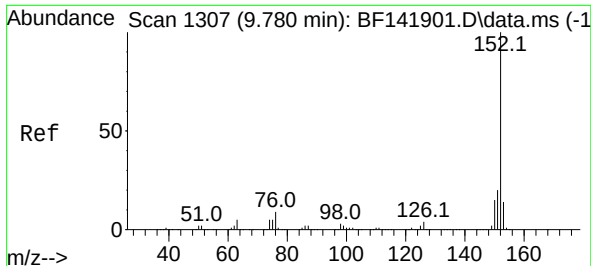
Ion Ratio Lower Upper

65 100

92 70.5 56.6 84.8

138 105.7 88.6 133.0





#49

Acenaphthylene

Concen: 48.500 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

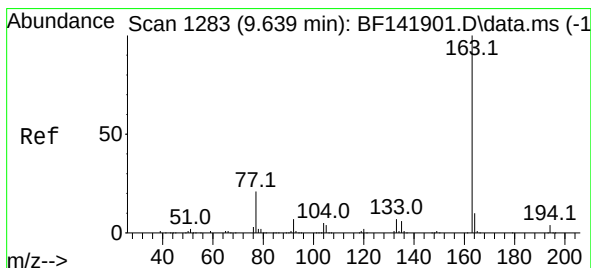
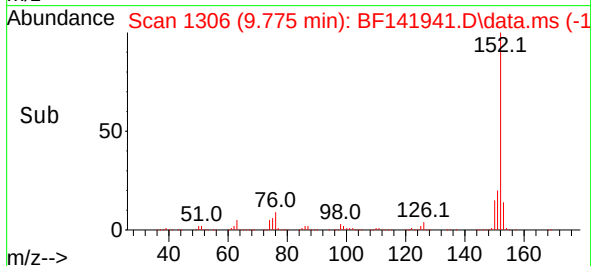
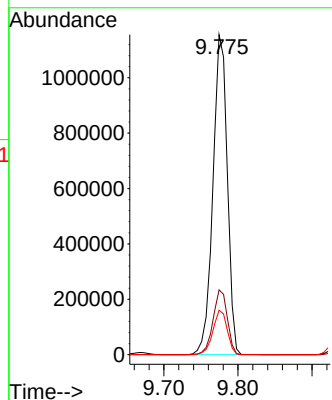
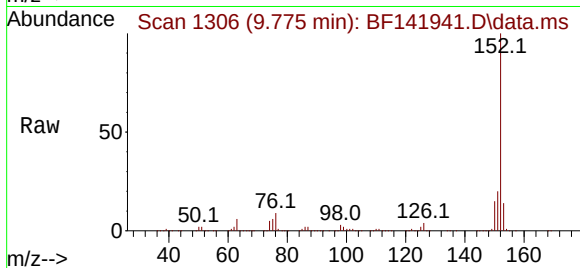
Tgt Ion:152 Resp: 1553482

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.9 11.1 16.7



#50

Dimethylphthalate

Concen: 45.891 ng

RT: 9.639 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

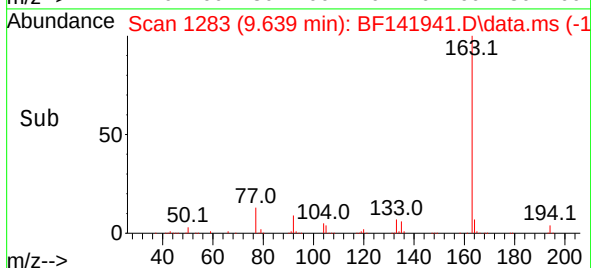
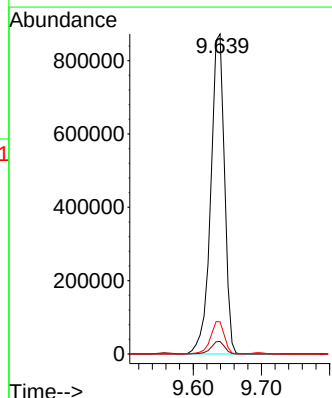
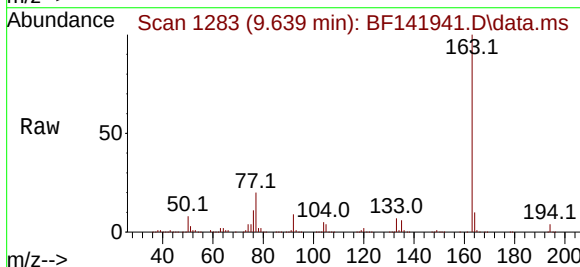
Tgt Ion:163 Resp: 1224816

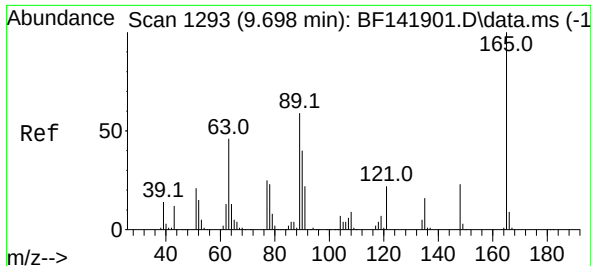
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 46.717 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

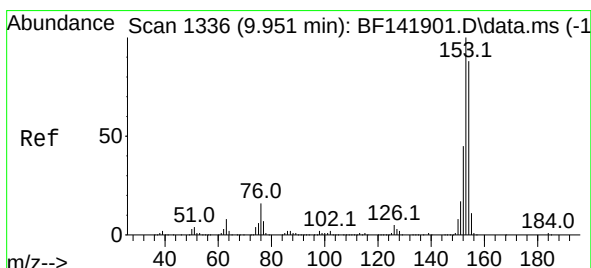
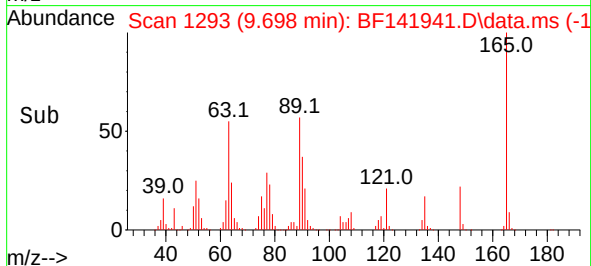
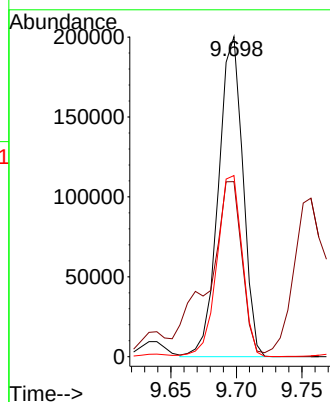
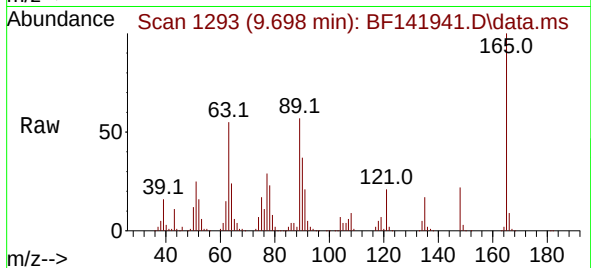
Tgt Ion:165 Resp: 259612

Ion Ratio Lower Upper

165 100

63 54.7 47.0 70.4

89 56.6 47.4 71.2



#52

Acenaphthene

Concen: 51.989 ng

RT: 9.951 min Scan# 1336

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

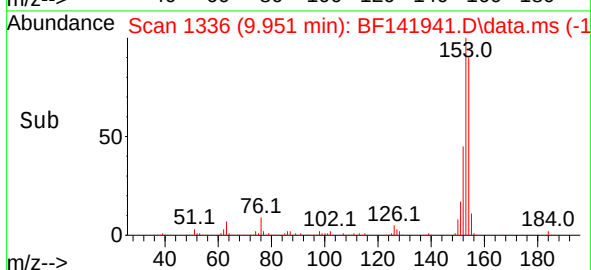
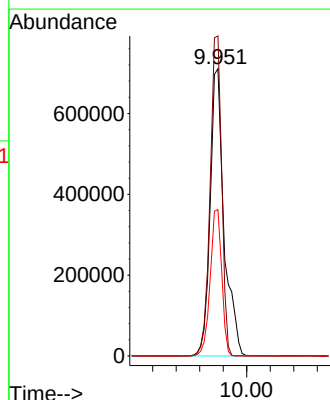
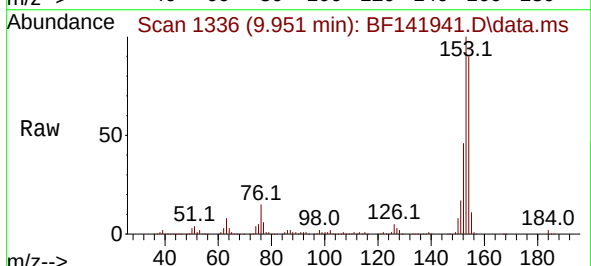
Tgt Ion:154 Resp: 1170255

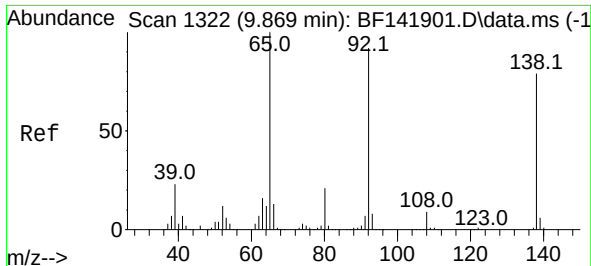
Ion Ratio Lower Upper

154 100

153 111.4 90.7 136.1

152 50.9 41.1 61.7

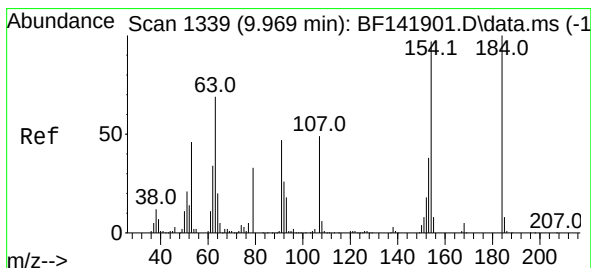
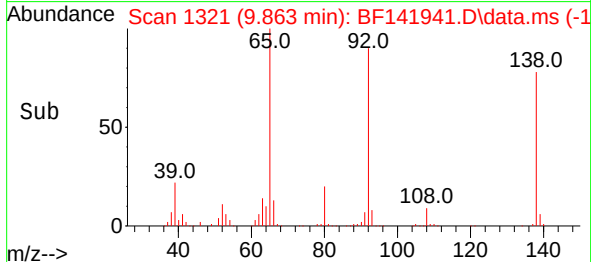
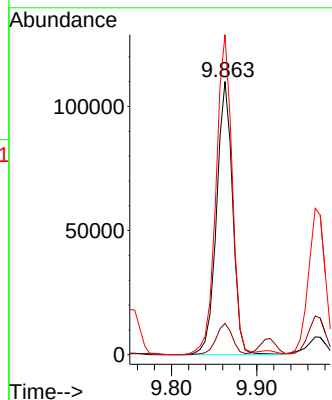
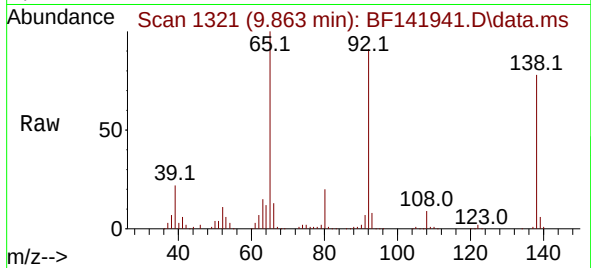




#53
3-Nitroaniline
Concen: 25.536 ng
RT: 9.863 min Scan# 143947
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

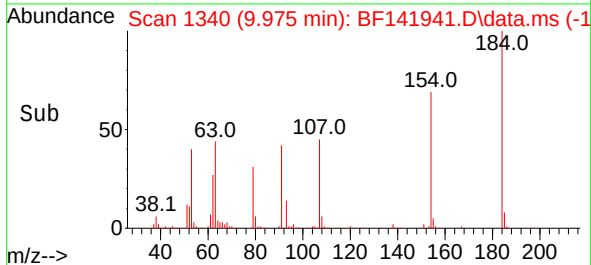
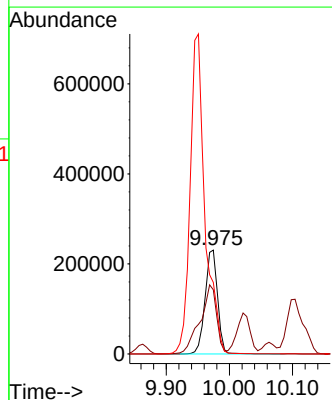
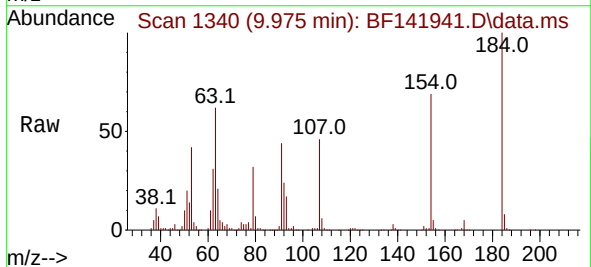
Instrument :
BNA_F
ClientSampleId :
PB167097BS

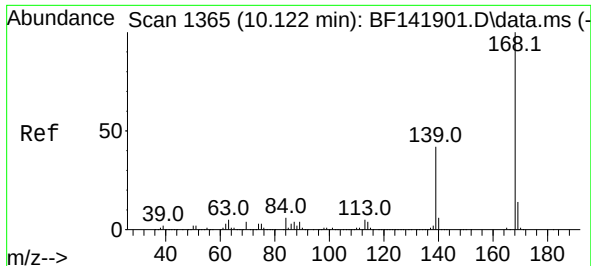
Tgt Ion:138 Resp: 143947
Ion Ratio Lower Upper
138 100
108 11.4 9.3 13.9
92 117.2 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 99.219 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:184 Resp: 318705
Ion Ratio Lower Upper
184 100
63 61.8 60.2 90.4
154 68.9 132.9 199.3#

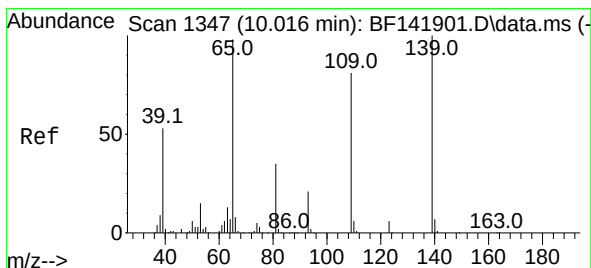
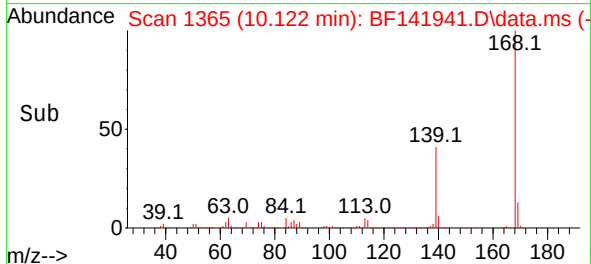
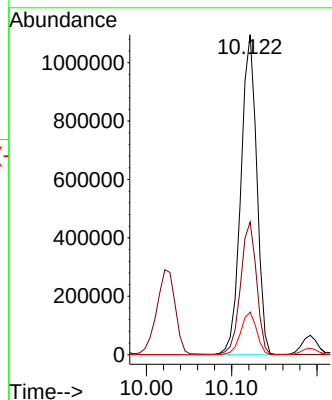
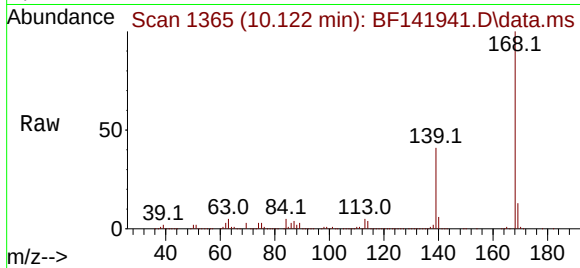




#55
Dibenzenofuran
Concen: 44.061 ng
RT: 10.122 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

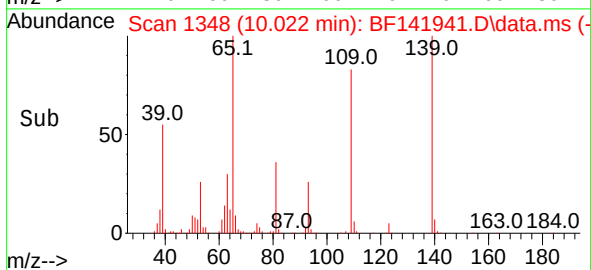
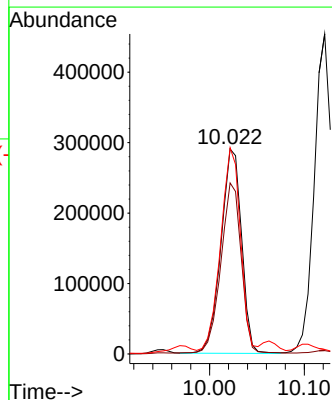
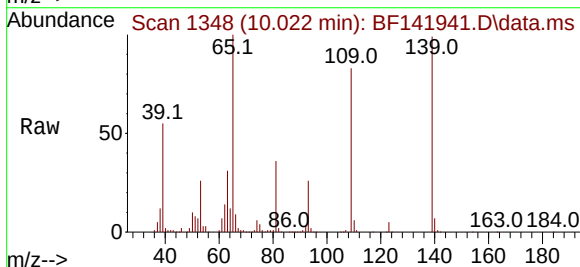
Instrument :
BNA_F
ClientSampleId :
PB167097BS

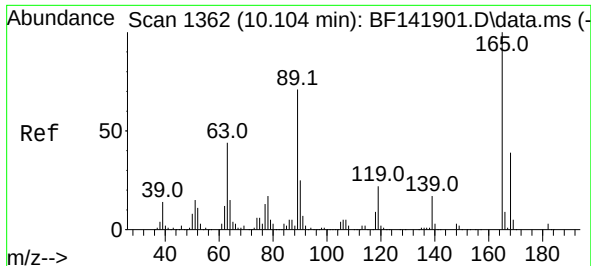
Tgt Ion:168 Resp: 1417170
Ion Ratio Lower Upper
168 100
139 41.5 33.9 50.9
169 13.3 11.0 16.4



#56
4-Nitrophenol
Concen: 103.387 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

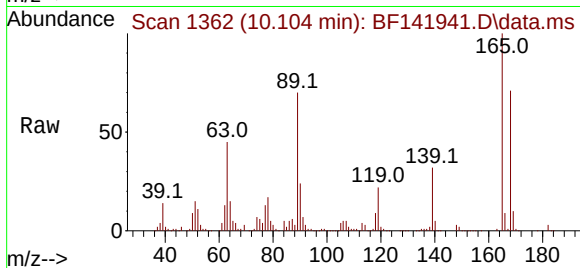
Tgt Ion:139 Resp: 439494
Ion Ratio Lower Upper
139 100
109 83.4 61.6 101.6
65 100.7 79.4 119.4



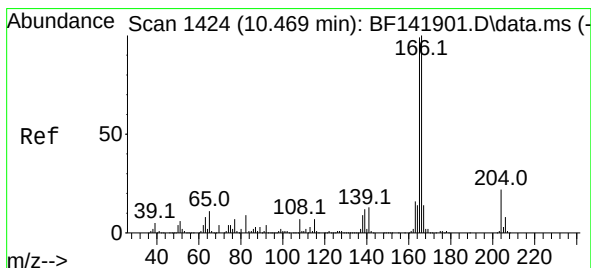
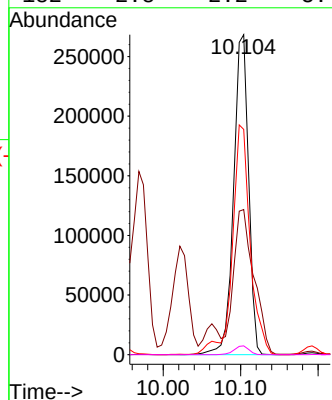
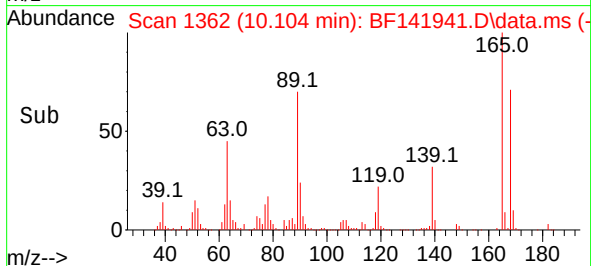


#57
2,4-Dinitrotoluene
Concen: 49.745 ng
RT: 10.104 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

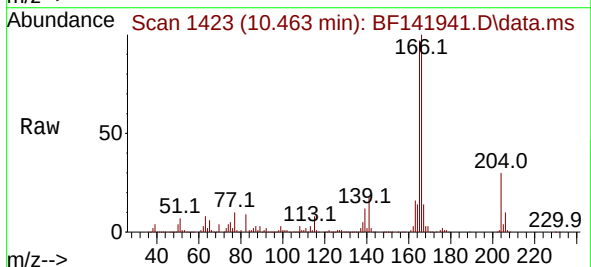
Instrument :
BNA_F
ClientSampleId :
PB167097BS



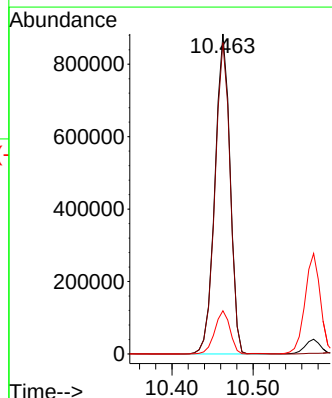
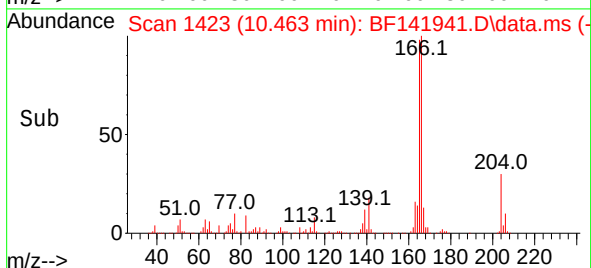
Tgt Ion:165 Resp: 361052
Ion Ratio Lower Upper
165 100
63 45.3 35.4 53.2
89 70.4 56.6 84.8
182 2.8 2.2 3.4

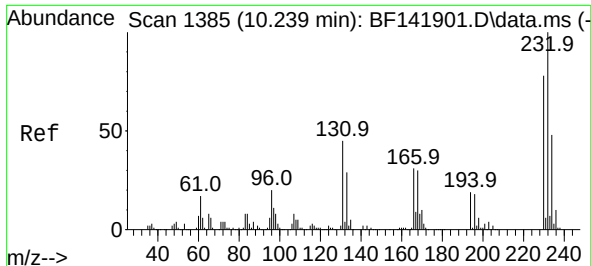


#58
Fluorene
Concen: 46.273 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:166 Resp: 1147740
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.4
167 13.5 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 46.303 ng

RT: 10.233 min Scan# 1384

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:232 Resp: 323625

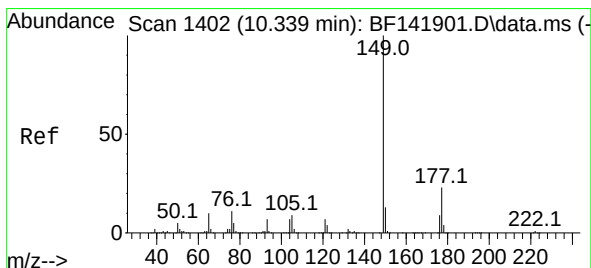
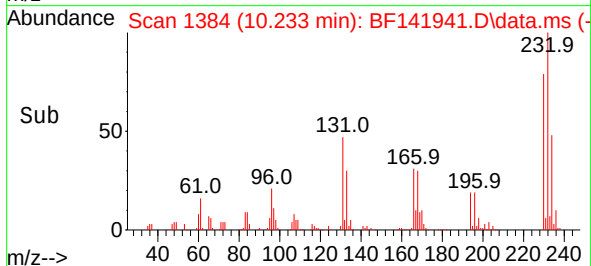
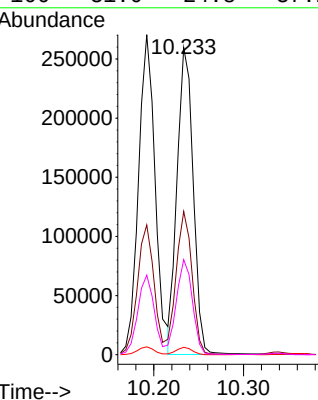
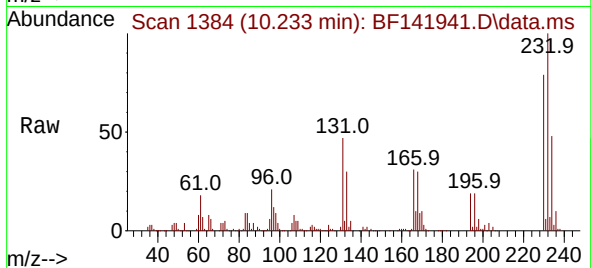
Ion Ratio Lower Upper

232 100

131 46.9 37.3 55.9

130 2.4 1.9 2.9

166 31.0 24.8 37.2



#60

Diethylphthalate

Concen: 44.881 ng

RT: 10.339 min Scan# 1402

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

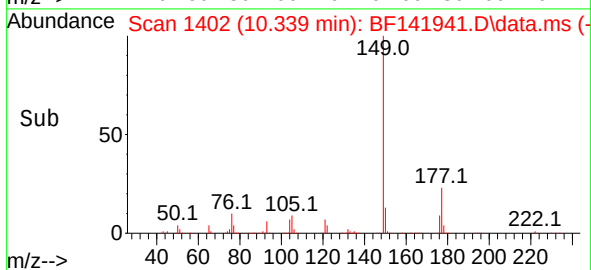
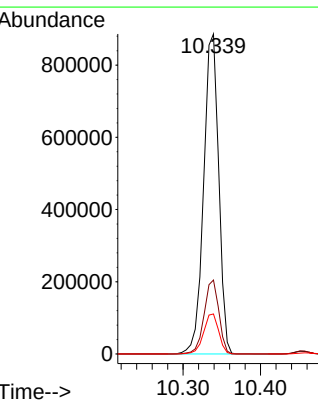
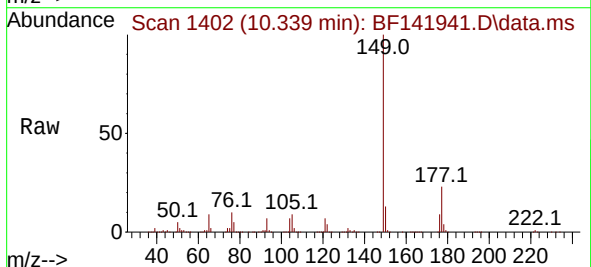
Tgt Ion:149 Resp: 1194423

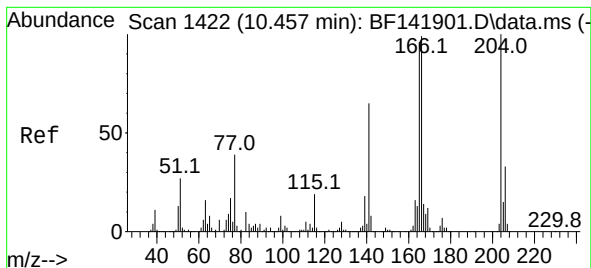
Ion Ratio Lower Upper

149 100

177 23.1 18.0 27.0

150 12.5 10.2 15.4

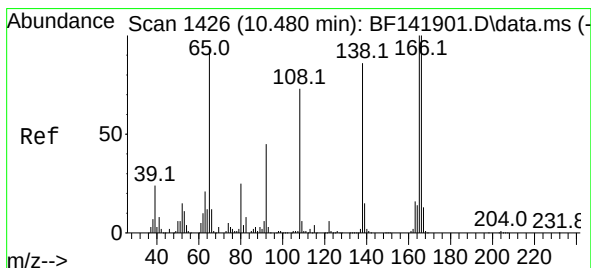
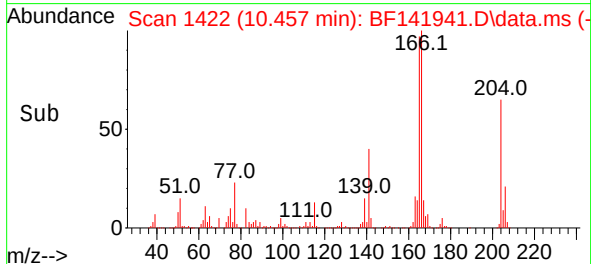
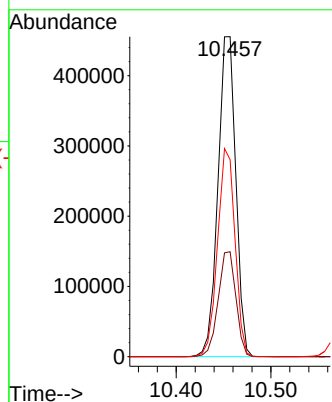
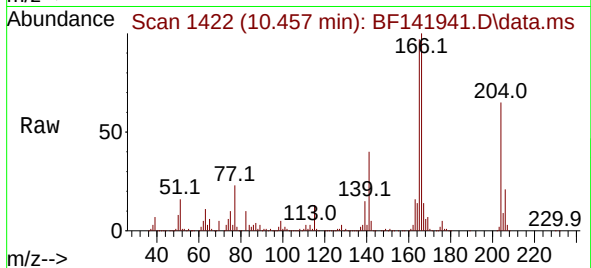




#61
4-Chlorophenyl-phenylether
Concen: 46.224 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

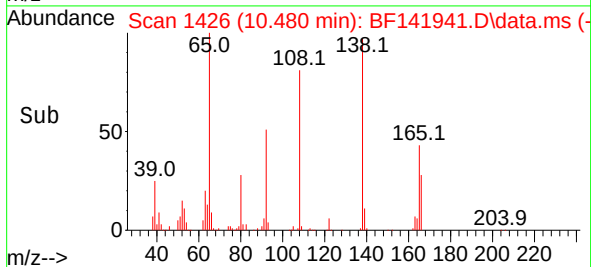
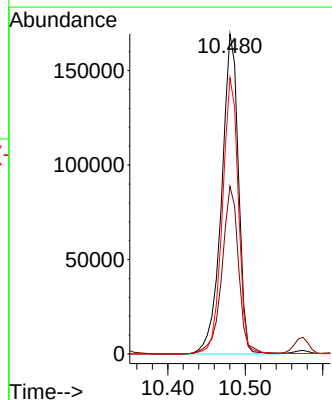
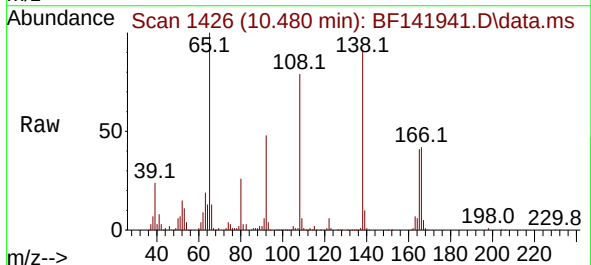
Instrument :
BNA_F
ClientSampleId :
PB167097BS

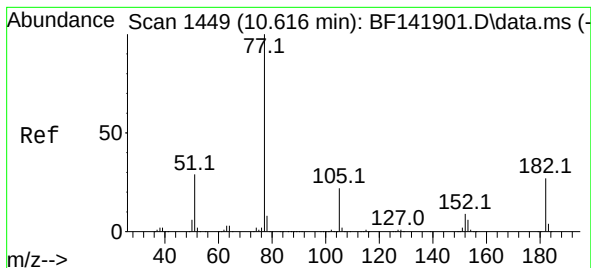
Tgt Ion:204 Resp: 597749
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 61.6 52.4 78.6



#62
4-Nitroaniline
Concen: 46.734 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:138 Resp: 256469
Ion Ratio Lower Upper
138 100
92 52.4 32.6 72.6
108 86.3 65.0 105.0





#63

Azobenzene

Concen: 43.803 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion: 77 Resp: 1083805

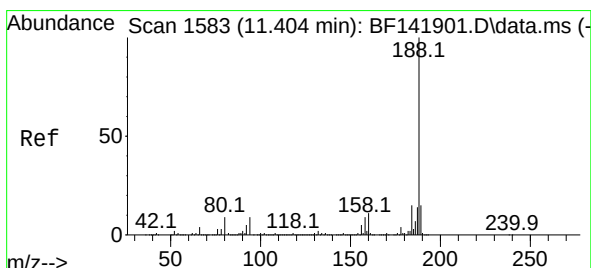
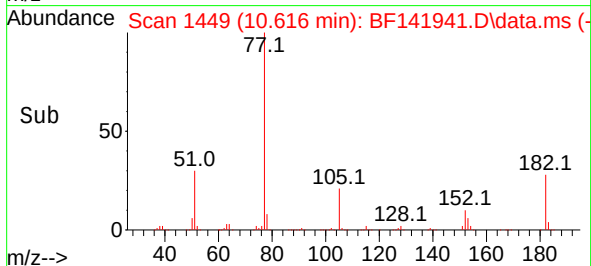
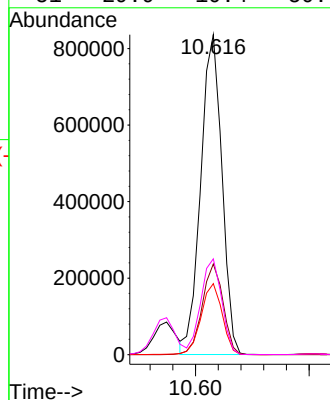
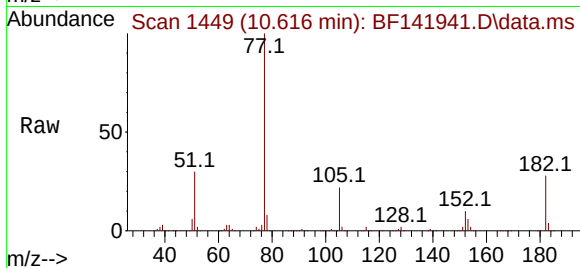
Ion Ratio Lower Upper

77 100

182 28.3 6.6 46.6

105 22.2 1.3 41.3

51 29.9 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: BF141941.D

Acq: 13 Mar 2025 13:17

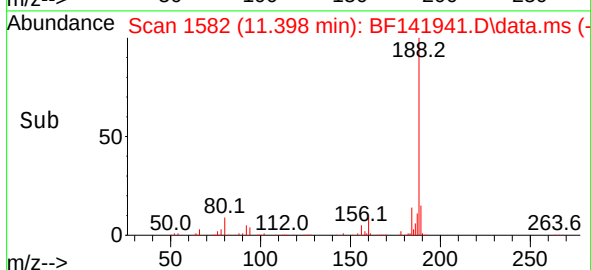
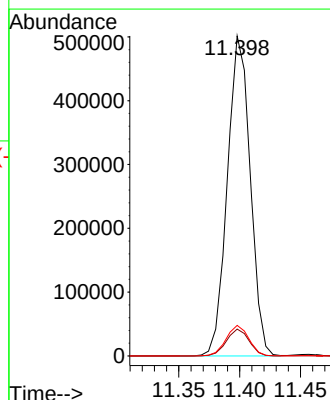
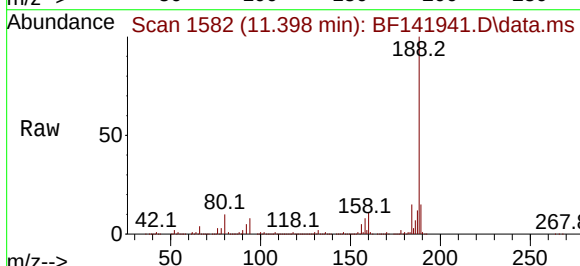
Tgt Ion:188 Resp: 657343

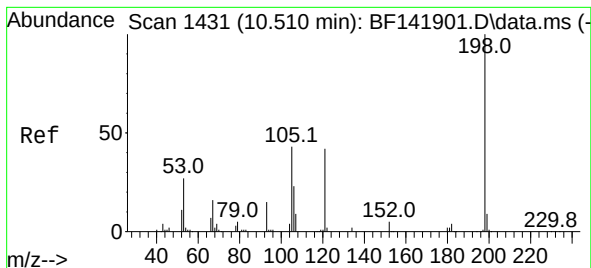
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.6 7.6 11.4

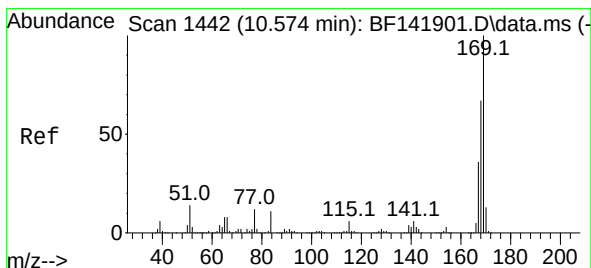
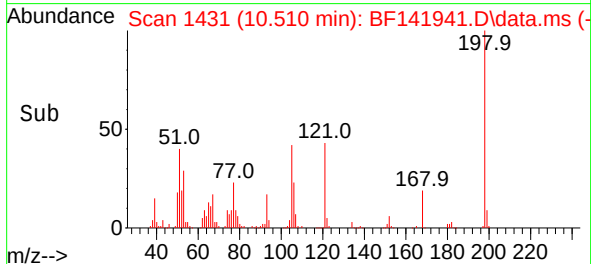
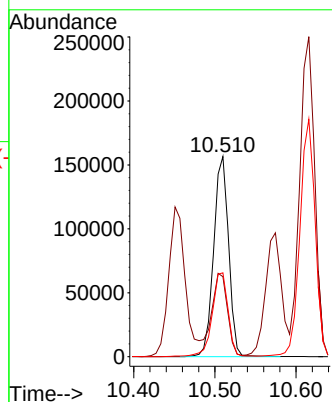
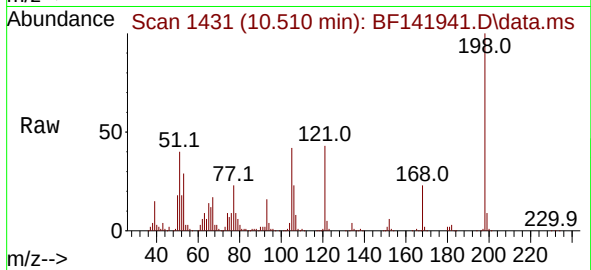




#65
4,6-Dinitro-2-methylphenol
Concen: 50.999 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

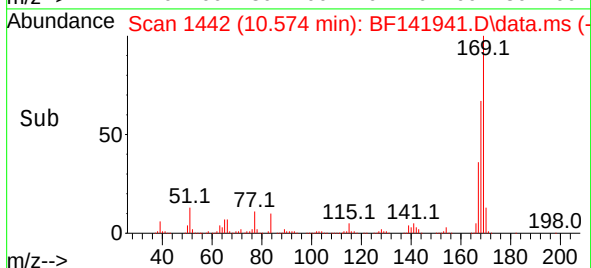
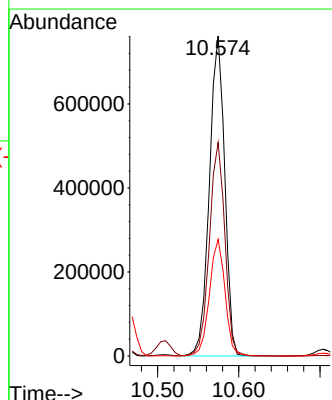
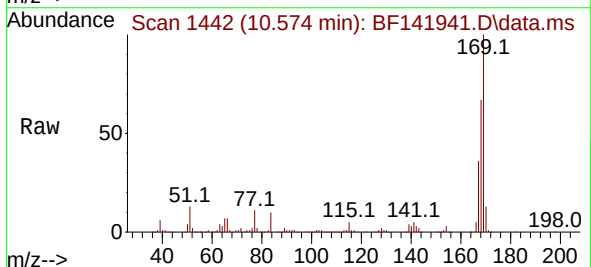
Instrument :
BNA_F
ClientSampleId :
PB167097BS

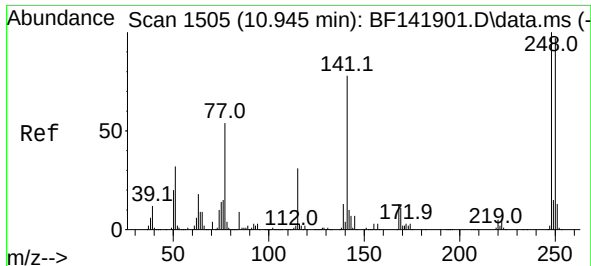
Tgt Ion:198 Resp: 199851
Ion Ratio Lower Upper
198 100
51 40.0 22.3 62.3
105 41.8 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 46.890 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

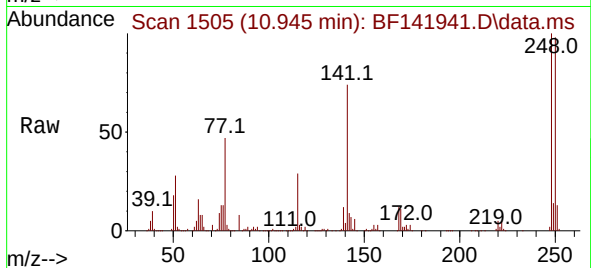
Tgt Ion:169 Resp: 997450
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.5 29.2 43.8



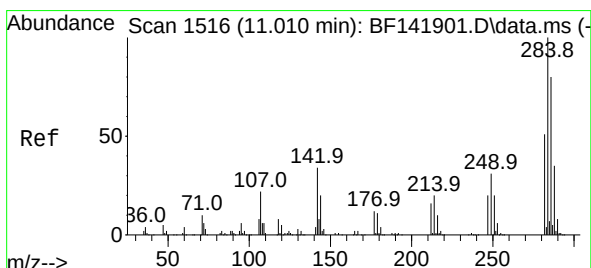
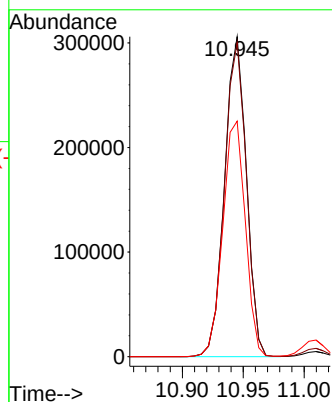
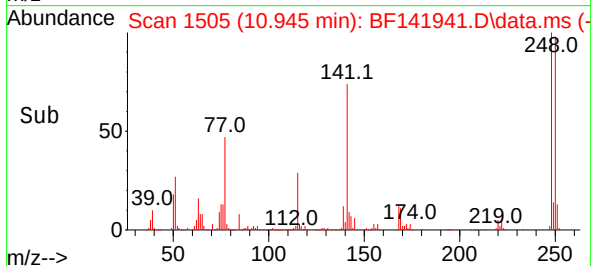


#67
4-Bromophenyl-phenylether
Concen: 46.364 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

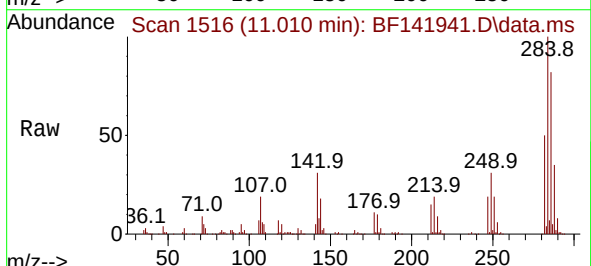
Instrument :
BNA_F
ClientSampleId :
PB167097BS



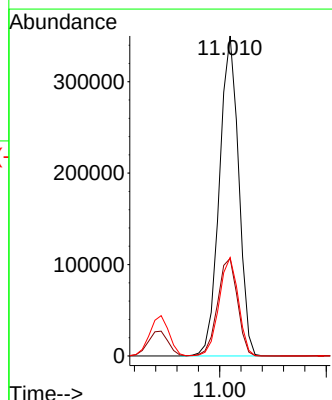
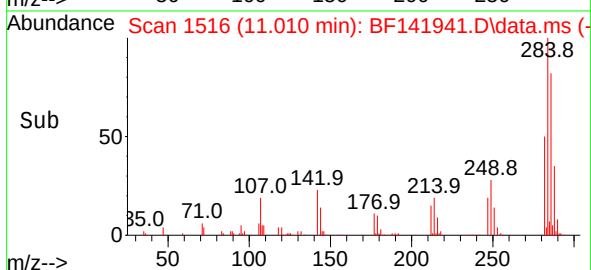
Tgt Ion:248 Resp: 382756
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.8
141 73.6 62.6 93.8

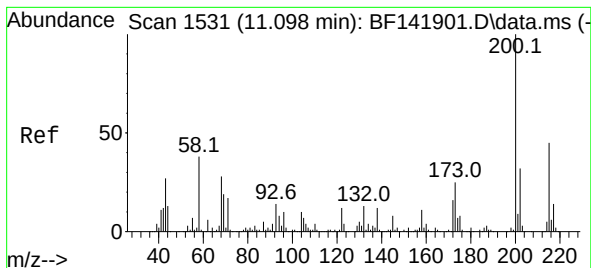


#68
Hexachlorobenzene
Concen: 48.335 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:284 Resp: 437639
Ion Ratio Lower Upper
284 100
142 30.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 61.650 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

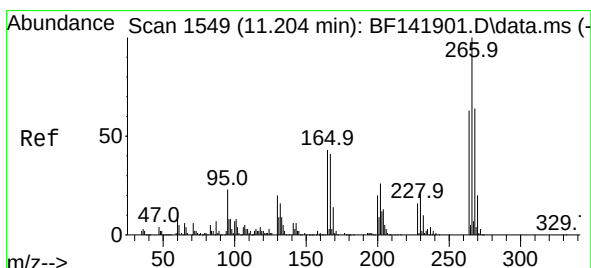
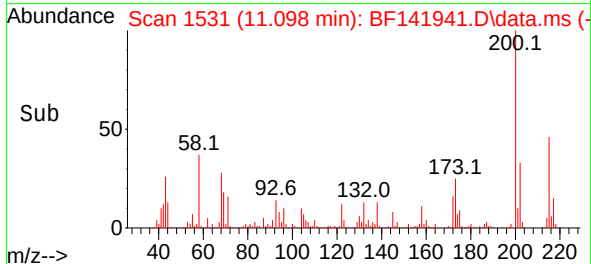
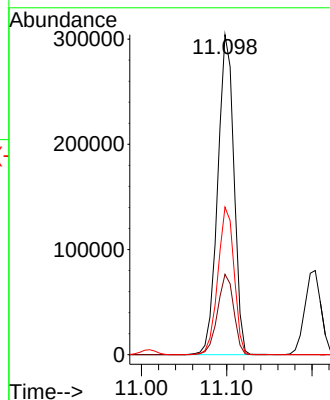
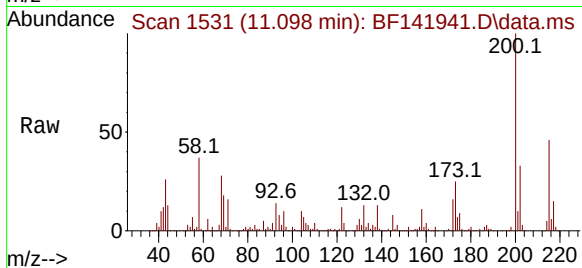
Tgt Ion:200 Resp: 402029

Ion Ratio Lower Upper

200 100

173 25.1 4.7 44.7

215 46.1 25.4 65.4



#70

Pentachlorophenol

Concen: 99.911 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

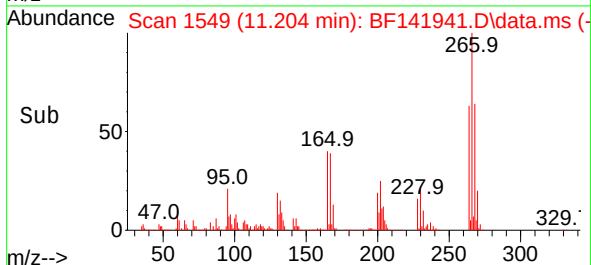
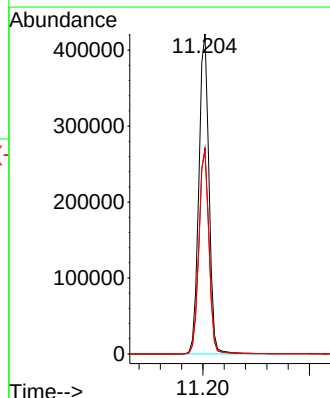
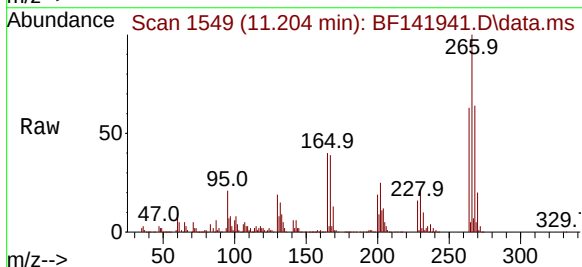
Tgt Ion:266 Resp: 557370

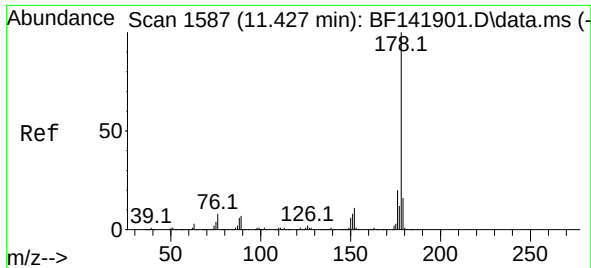
Ion Ratio Lower Upper

266 100

268 64.3 51.0 76.6

264 63.4 50.2 75.2

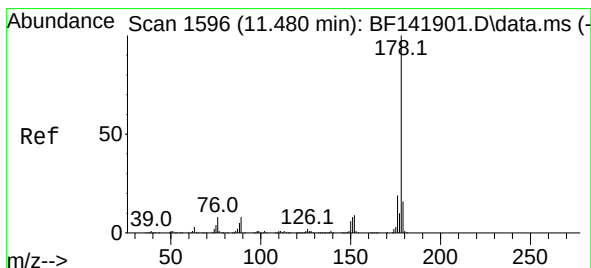
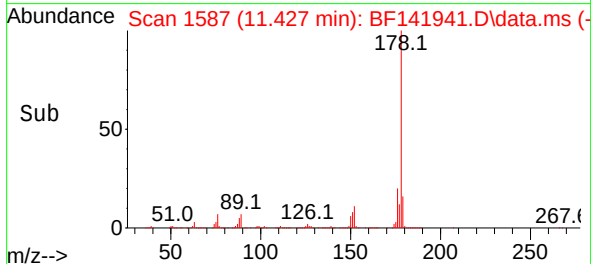
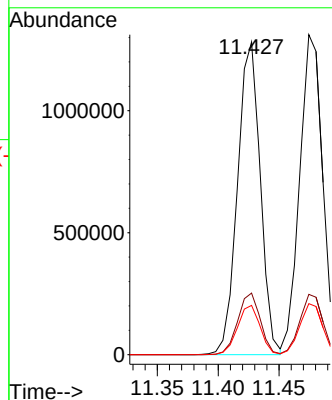
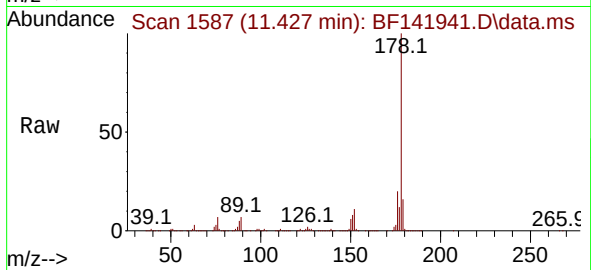




#71
Phenanthrene
Concen: 47.009 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

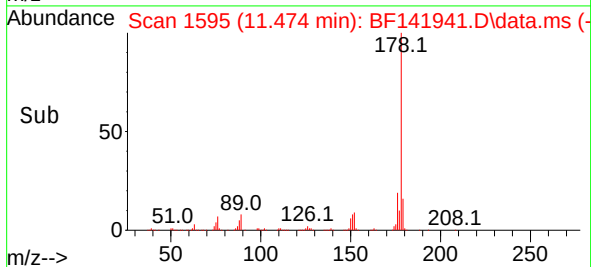
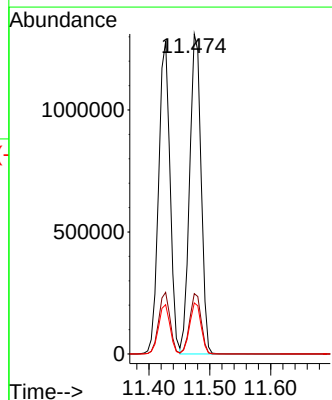
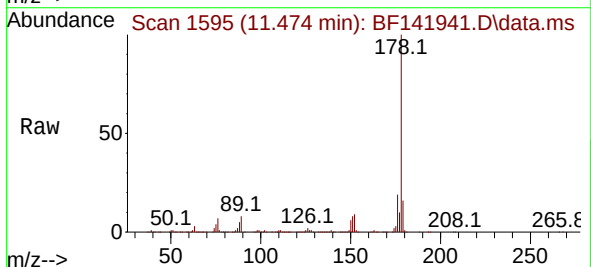
Instrument :
BNA_F
ClientSampleId :
PB167097BS

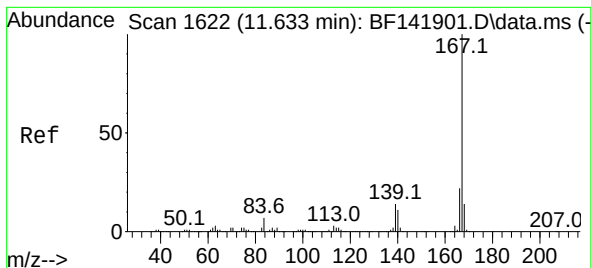
Tgt Ion:178 Resp: 1669056
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.8 12.6 19.0



#72
Anthracene
Concen: 48.088 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:178 Resp: 1712956
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.0 12.6 19.0





#73

Carbazole

Concen: 46.870 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

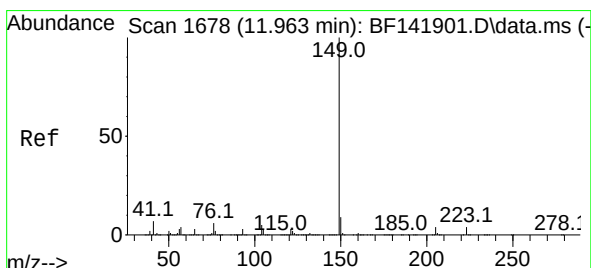
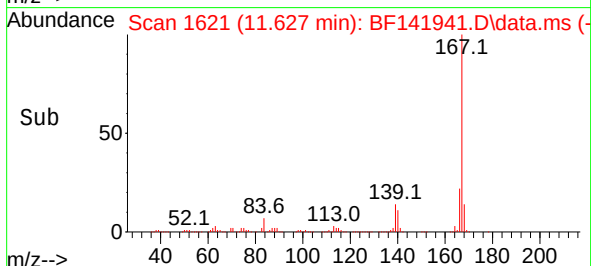
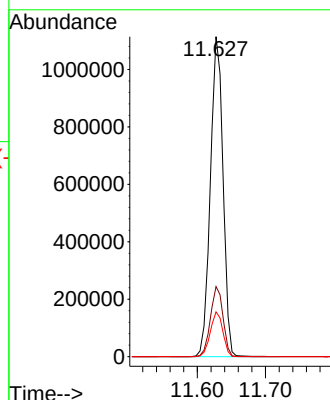
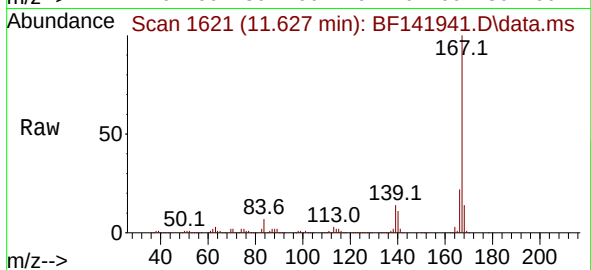
Tgt Ion:167 Resp: 1439856

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 14.0 11.0 16.6



#74

Di-n-butylphthalate

Concen: 45.199 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

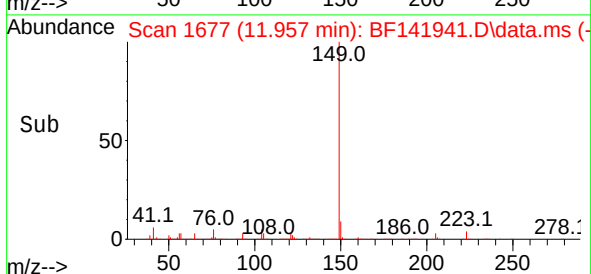
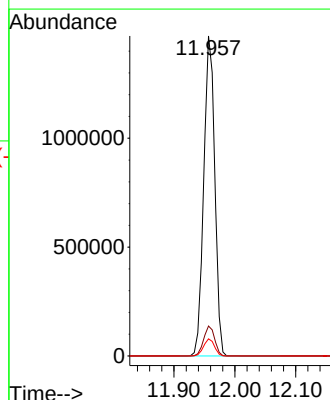
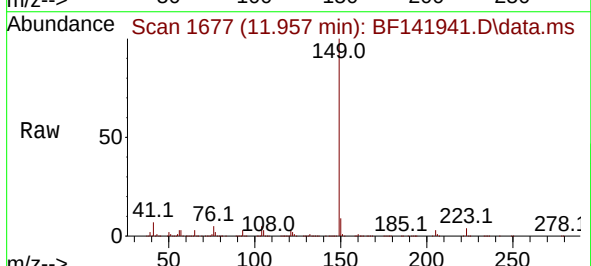
Tgt Ion:149 Resp: 1842392

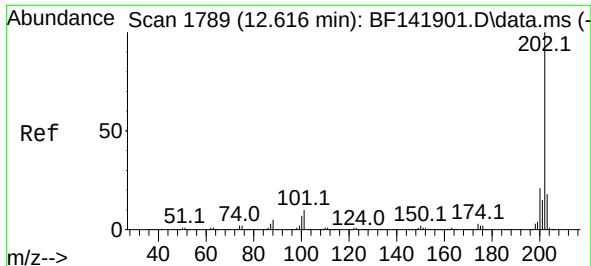
Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

104 5.4 4.4 6.6

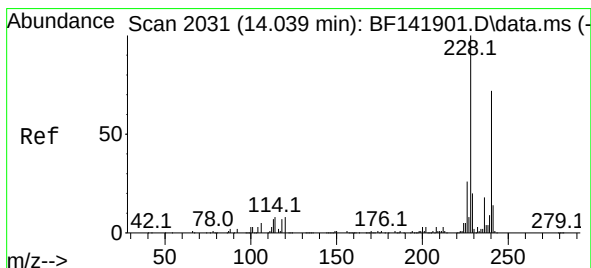
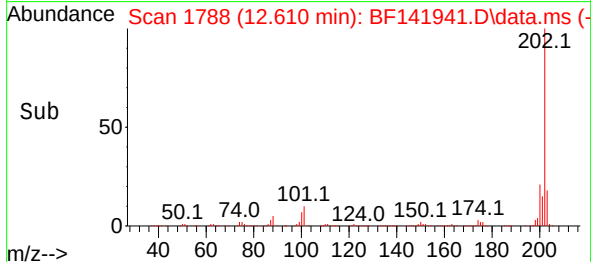
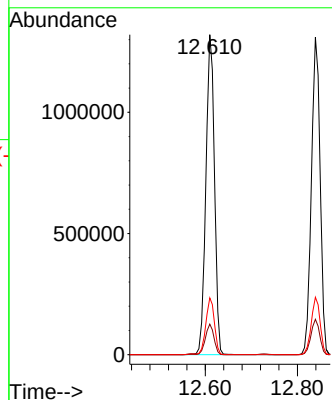
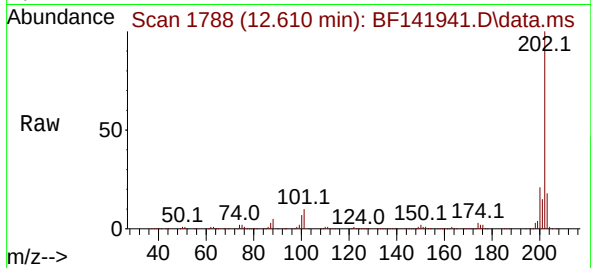




#75
Fluoranthene
Concen: 45.891 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

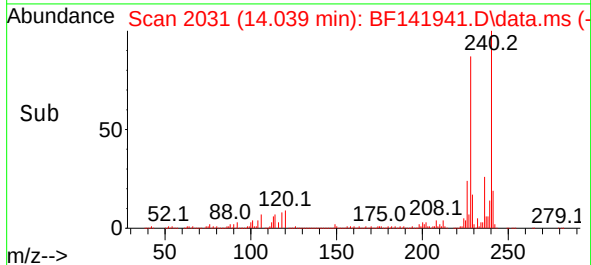
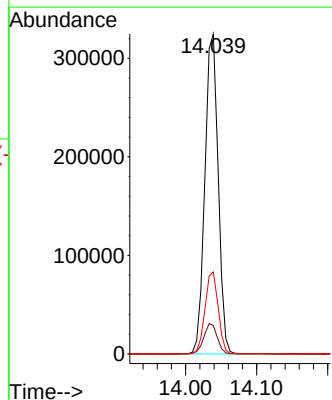
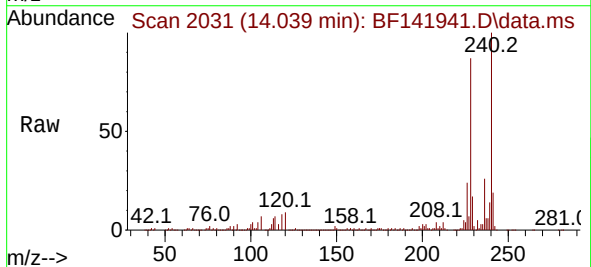
Instrument :
BNA_F
ClientSampleId :
PB167097BS

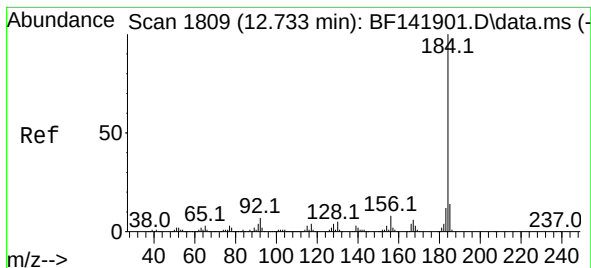
Tgt Ion:202 Resp: 1728401
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:240 Resp: 424407
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.7 20.5 30.7





#77

Benzidine

Concen: 84.472 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

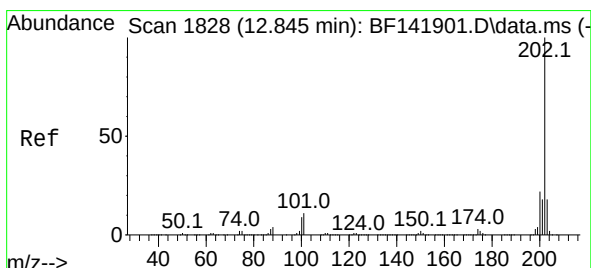
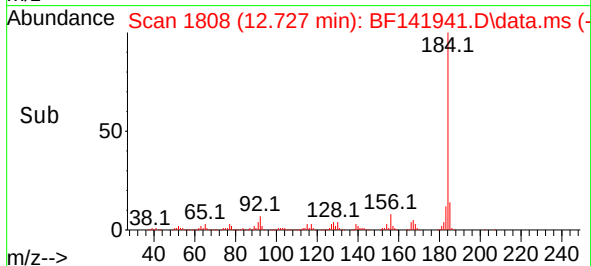
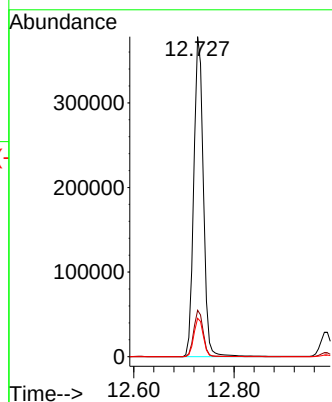
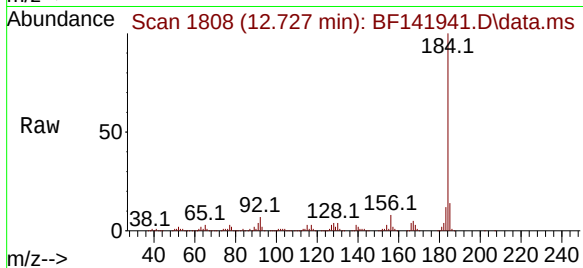
Tgt Ion:184 Resp: 500180

Ion Ratio Lower Upper

184 100

185 14.5 11.5 17.3

183 12.0 9.7 14.5



#78

Pyrene

Concen: 46.834 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

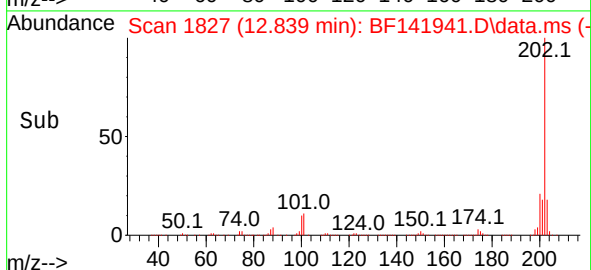
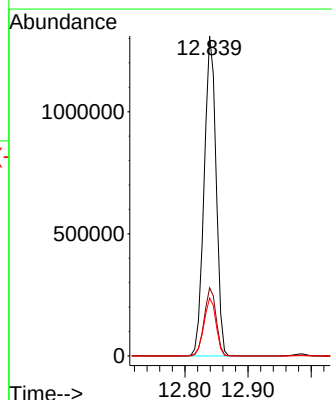
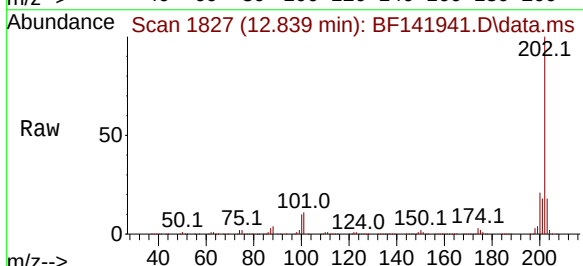
Tgt Ion:202 Resp: 1719348

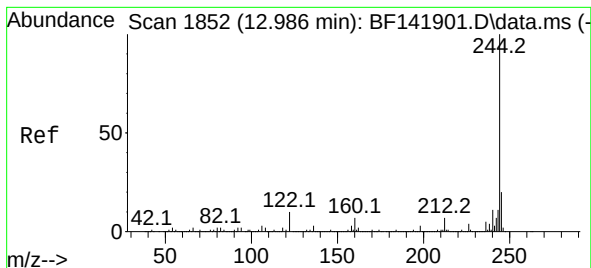
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 18.1 14.4 21.6





#79

Terphenyl-d14

Concen: 105.142 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

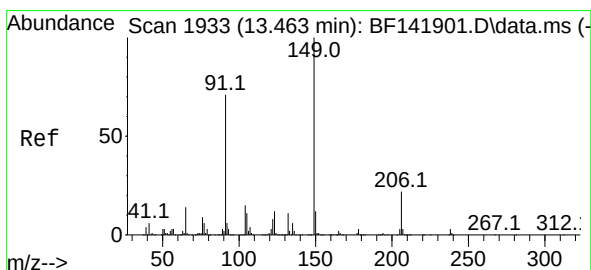
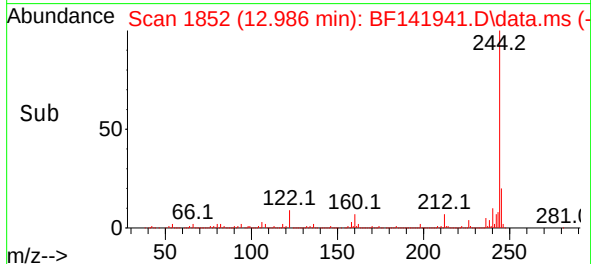
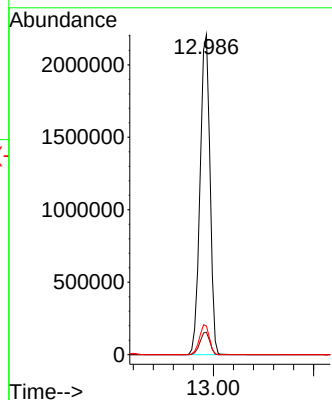
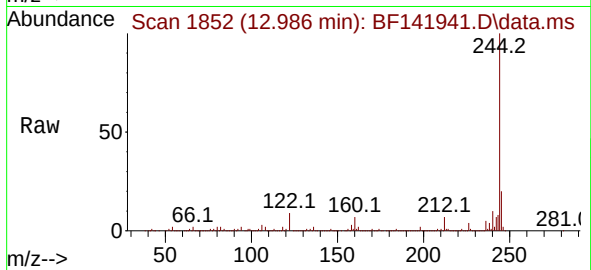
Tgt Ion:244 Resp: 3018229

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.9 7.7 11.5



#80

Butylbenzylphthalate

Concen: 45.971 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

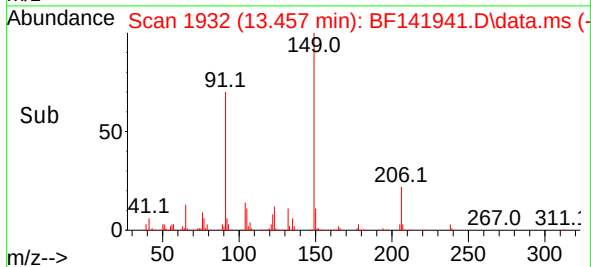
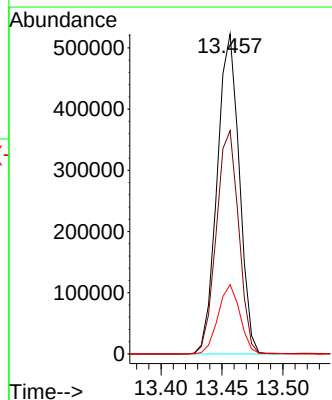
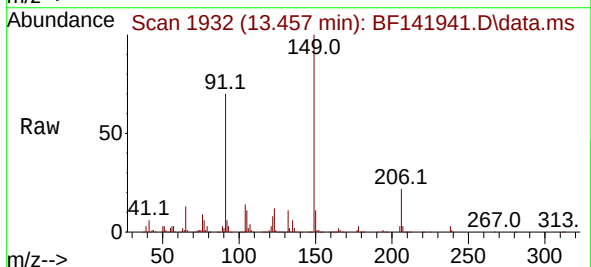
Tgt Ion:149 Resp: 660564

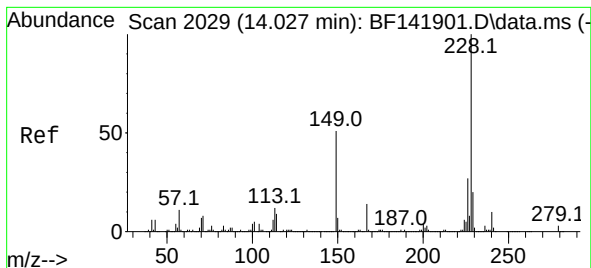
Ion Ratio Lower Upper

149 100

91 69.8 56.5 84.7

206 21.7 17.3 25.9





#81

Benzo(a)anthracene

Concen: 47.211 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

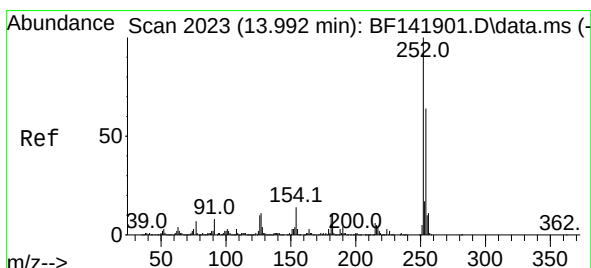
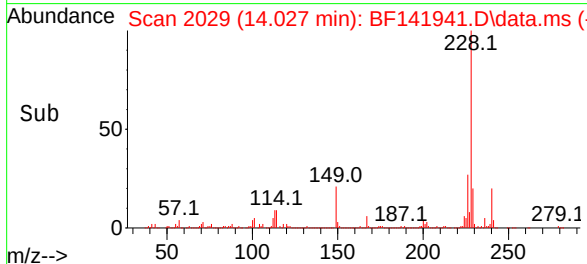
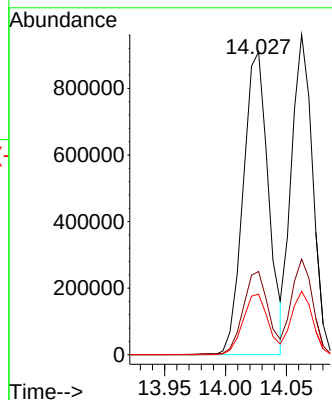
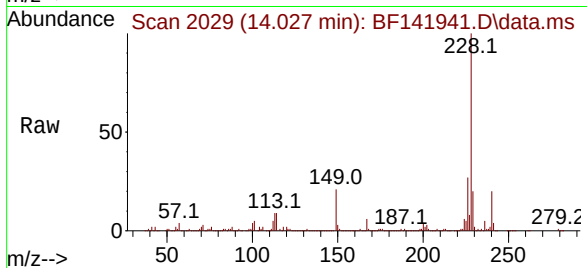
Tgt Ion:228 Resp: 1314815

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.0 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 28.215 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

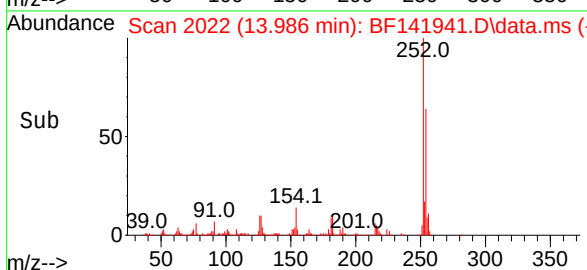
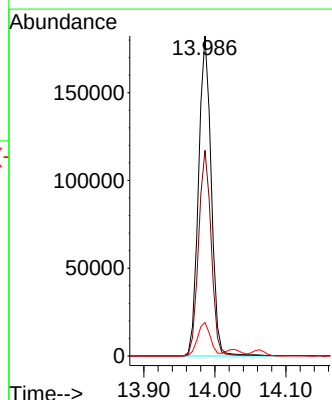
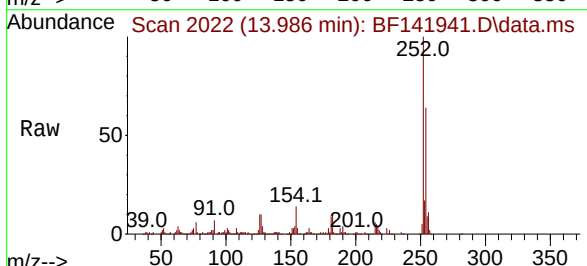
Tgt Ion:252 Resp: 227079

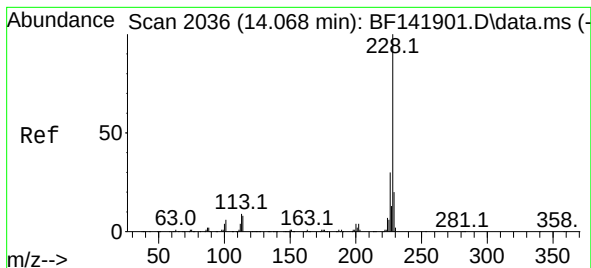
Ion Ratio Lower Upper

252 100

254 64.2 51.0 76.6

126 10.4 8.4 12.6





#83

Chrysene

Concen: 46.252 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

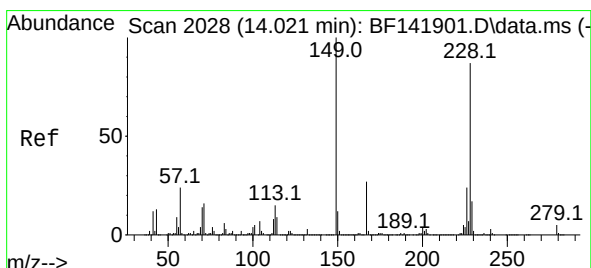
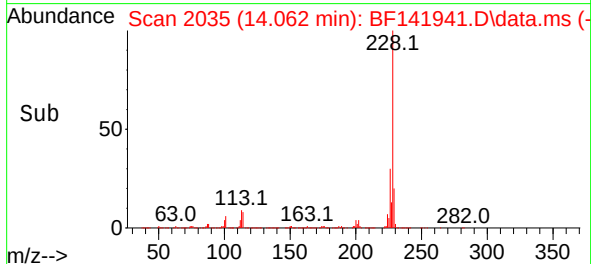
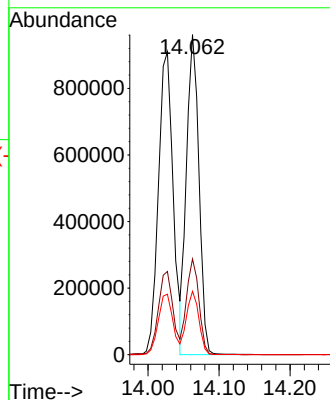
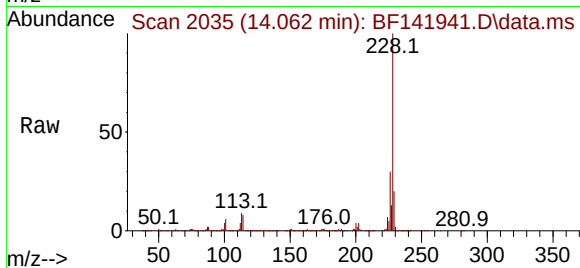
Tgt Ion:228 Resp: 1167619

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.545 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

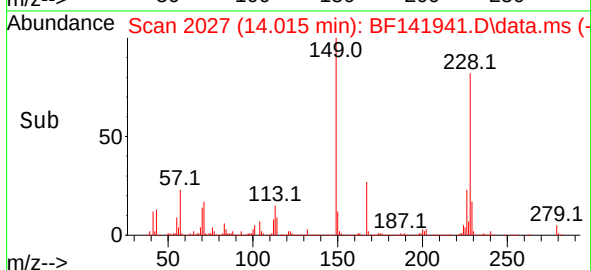
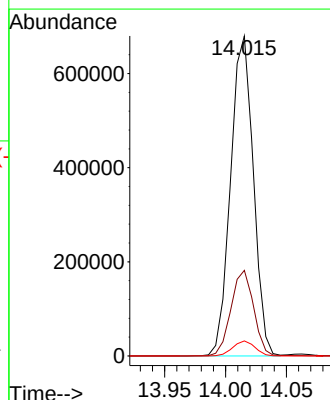
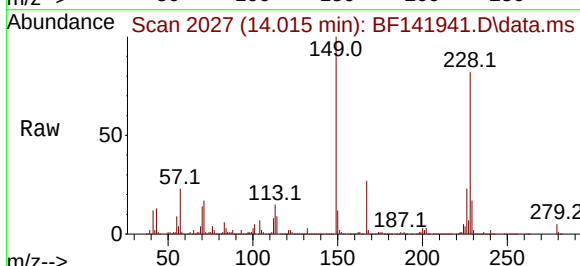
Tgt Ion:149 Resp: 882521

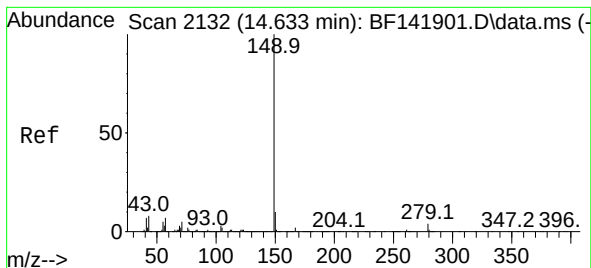
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 45.138 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

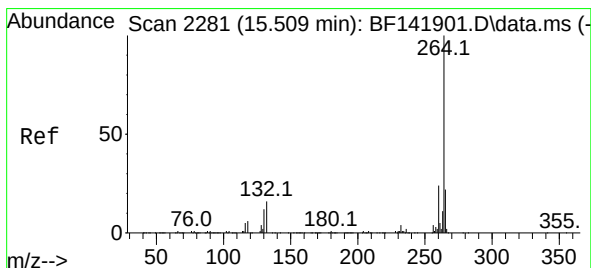
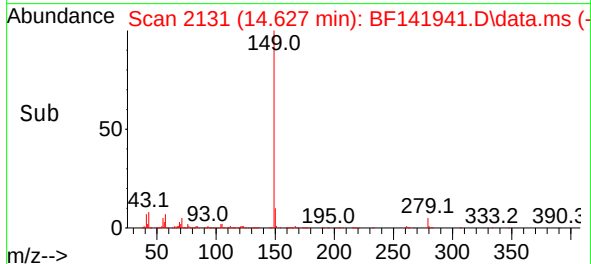
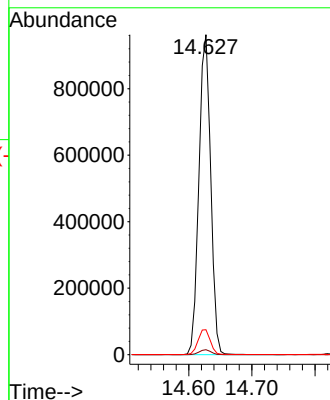
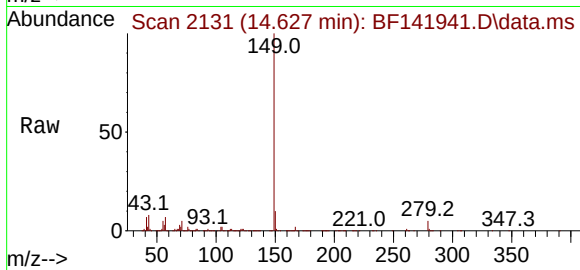
Tgt Ion:149 Resp: 1244287

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.1 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: BF141941.D

Acq: 13 Mar 2025 13:17

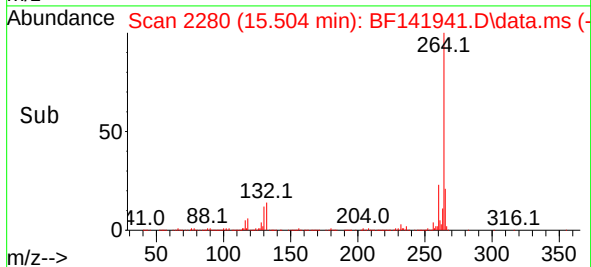
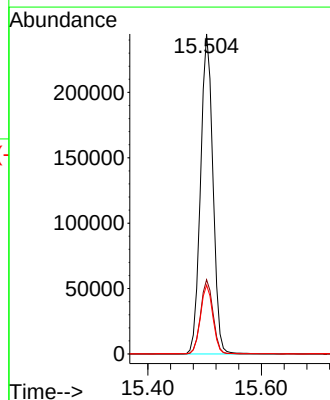
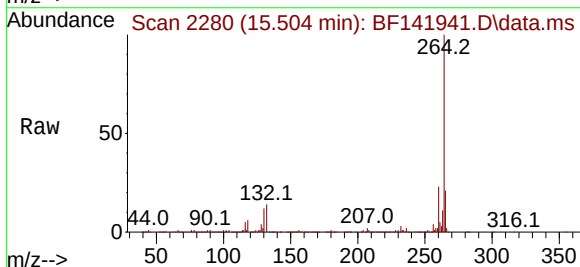
Tgt Ion:264 Resp: 370791

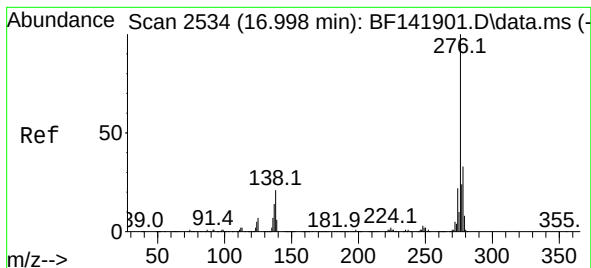
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.214 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

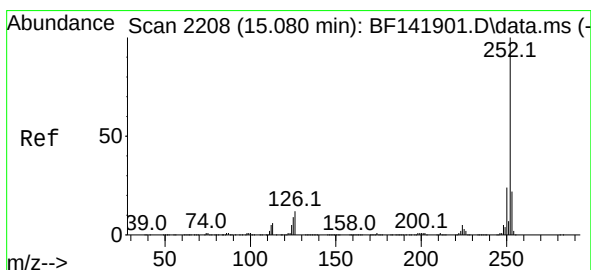
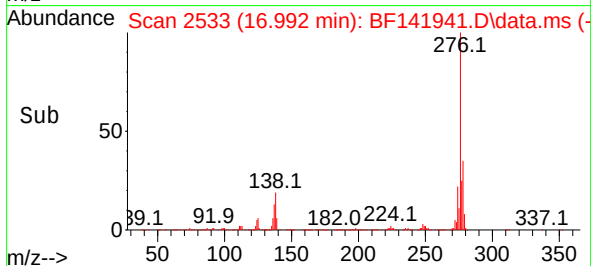
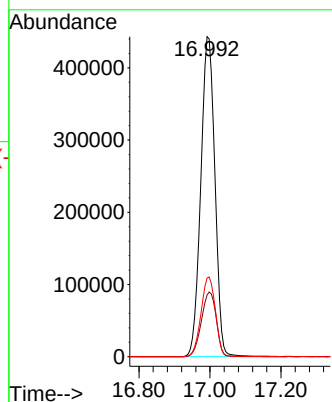
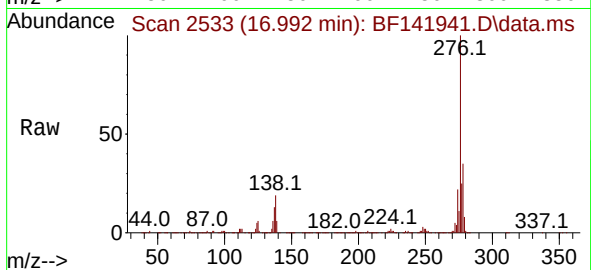
Tgt Ion:276 Resp: 1228415

Ion Ratio Lower Upper

276 100

138 21.2 18.4 27.6

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 46.317 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

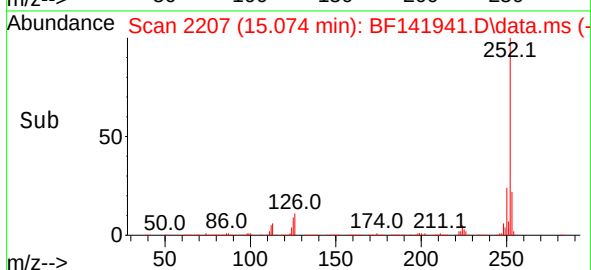
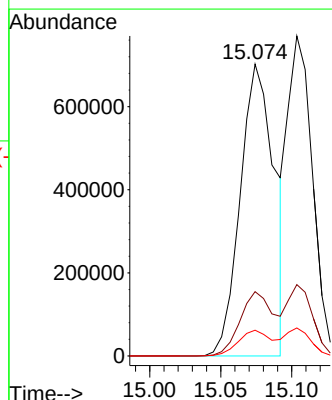
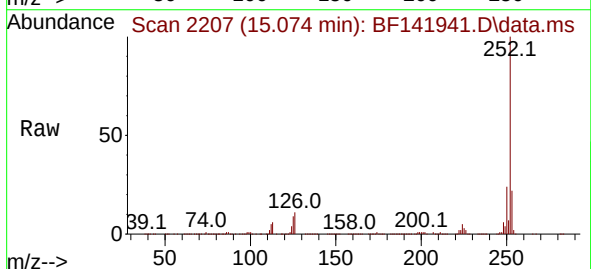
Tgt Ion:252 Resp: 1177030

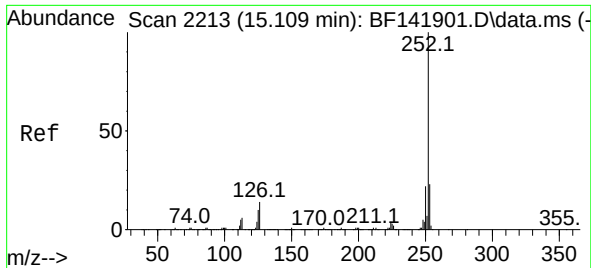
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 43.336 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

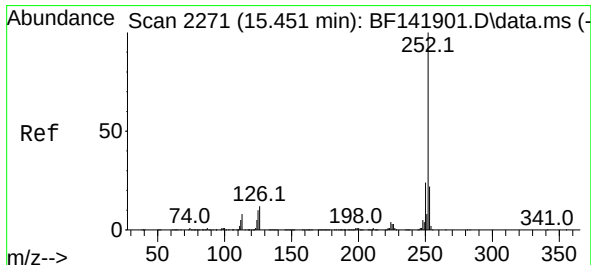
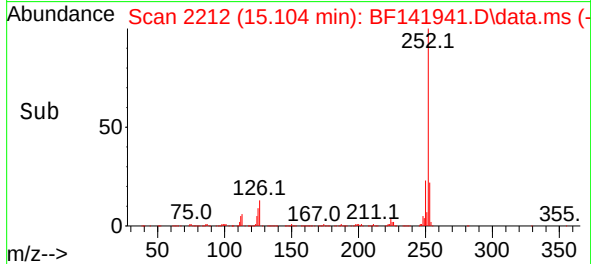
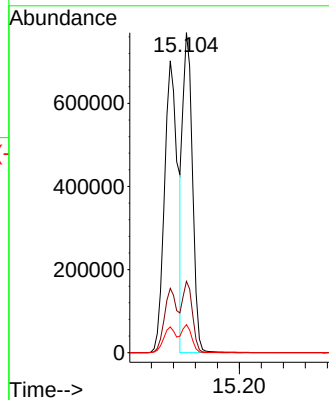
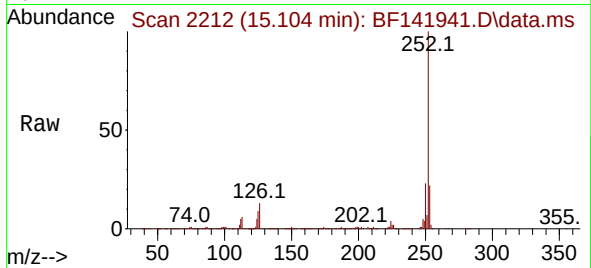
Tgt Ion:252 Resp: 942444

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.8 7.2 10.8



#90

Benzo(a)pyrene

Concen: 50.093 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

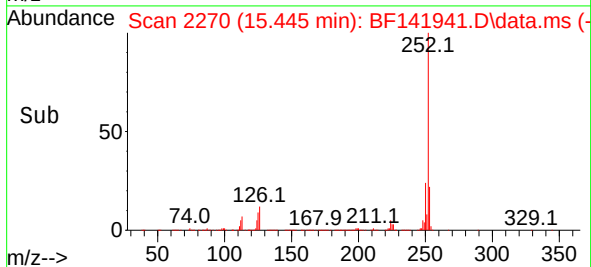
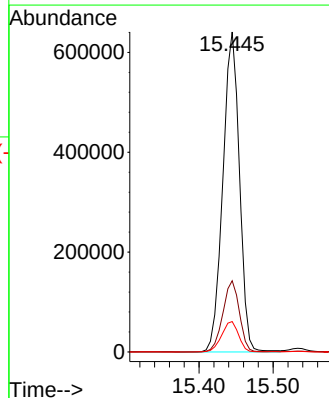
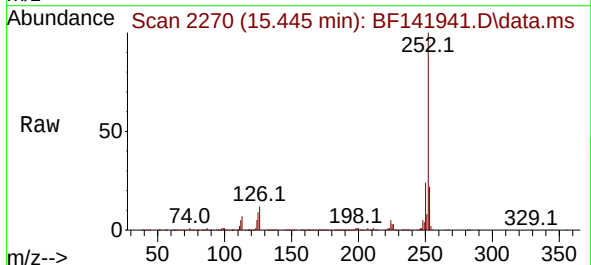
Tgt Ion:252 Resp: 996055

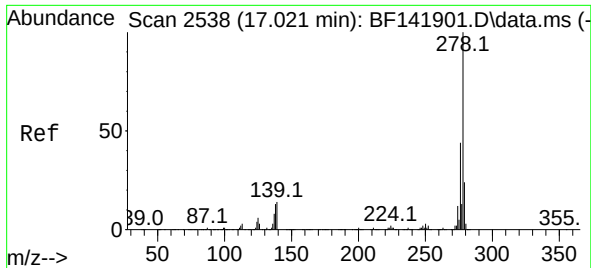
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.5 7.8 11.8

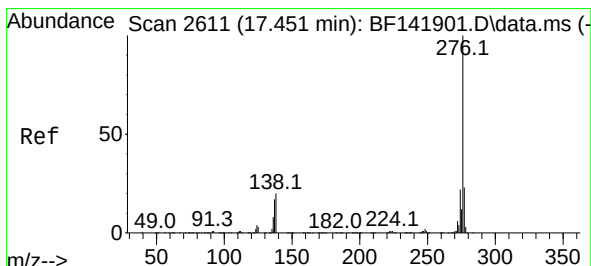
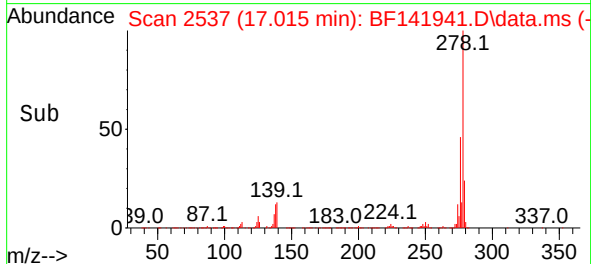
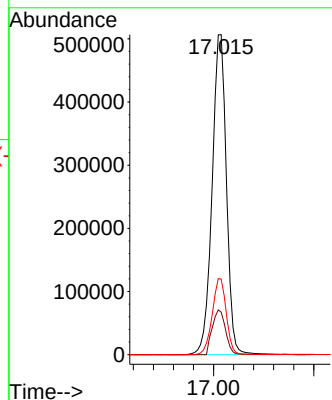
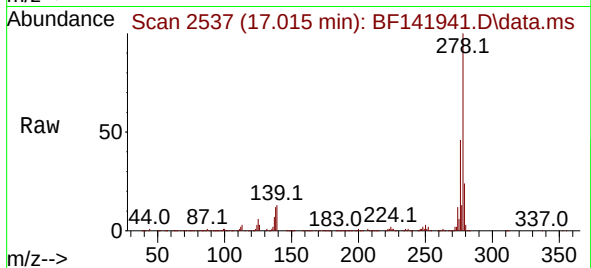




#91
Dibenzo(a,h)anthracene
Concen: 50.797 ng
RT: 17.015 min Scan# 2537
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :
BNA_F
ClientSampleId :
PB167097BS

Tgt Ion:278 Resp: 1005280
Ion Ratio Lower Upper
278 100
139 13.3 11.4 17.2
279 23.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 47.965 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:276 Resp: 938047
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 18.4 15.8 23.8

