

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143208.D
 Acq On : 23 Jul 2025 00:41
 Operator : RC/JU
 Sample : Q2660-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0218

Quant Time: Jul 23 04:56:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

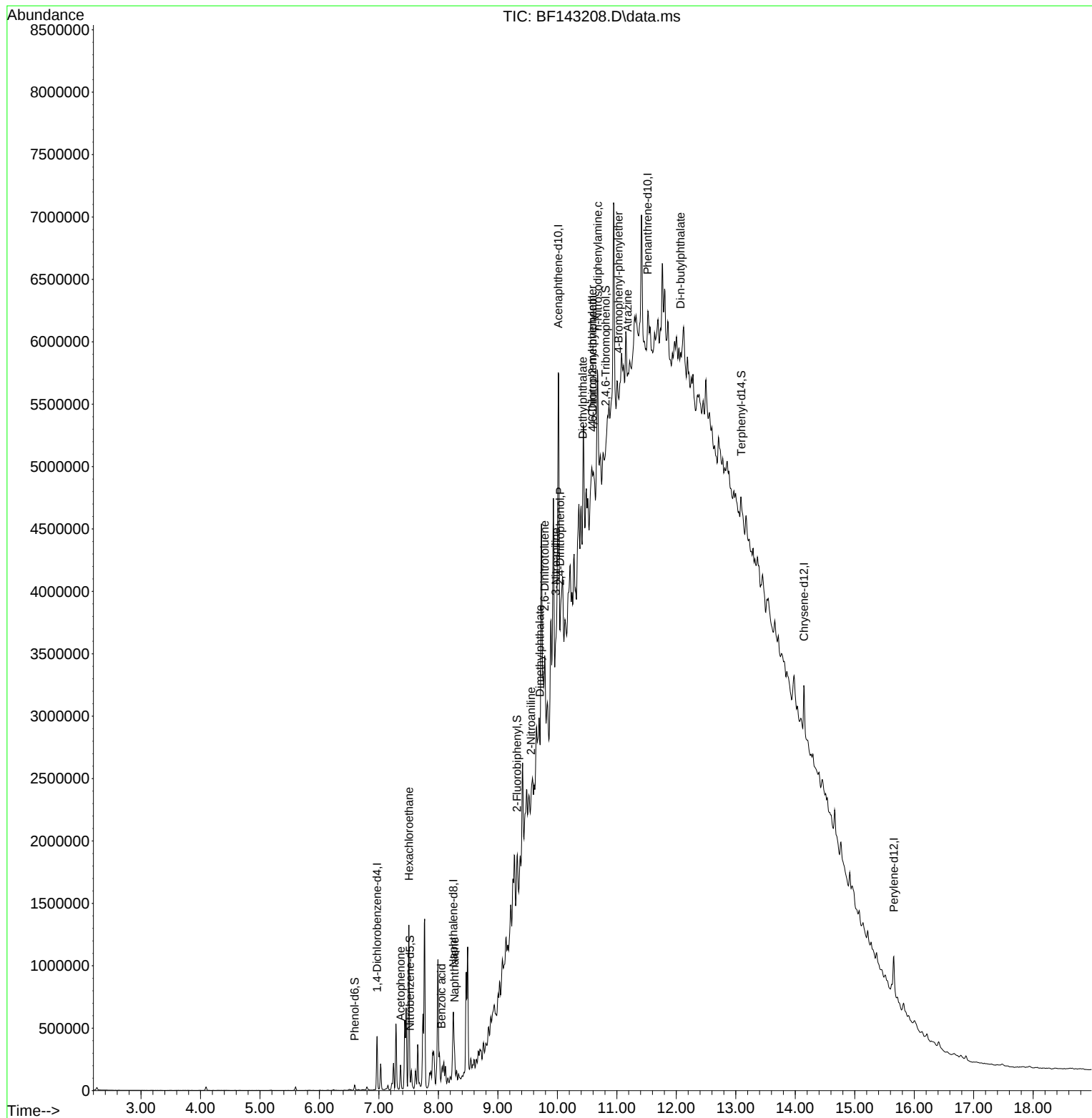
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	84926	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	289745	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	106353	20.000	ng	0.02
64) Phenanthrene-d10	11.516	188	154749	20.000	ng	# 0.03
76) Chrysene-d12	14.145	240	205130	20.000	ng	# 0.02
86) Perylene-d12	15.656	264	184400	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	9317	1.736	ng	0.01
7) Phenol-d6	6.592	99	17044	2.523	ng	0.00
23) Nitrobenzene-d5	7.522	82	13416	2.308	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	4248	3.866	ng	0.02
45) 2-Fluorobiphenyl	9.322	172	31135	4.004	ng	0.00
79) Terphenyl-d14	13.092	244	29958	2.173	ng	0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.504	117	51460	24.154	ng	# 1
22) Acetophenone	7.363	105	93775	13.670	ng	# 52
31) Naphthalene	8.269	128	66390	4.653	ng	98
32) Benzoic acid	8.051	122	522	5.350	ng	# 1
48) 2-Nitroaniline	9.557	65	4891	2.540	ng	# 57
50) Dimethylphthalate	9.704	163	16145	2.329	ng	# 10
51) 2,6-Dinitrotoluene	9.786	165	13114	9.299	ng	# 38
53) 3-Nitroaniline	9.975	138	15514	9.405	ng	# 22
54) 2,4-Dinitrophenol	10.045	184	610	7.539	ng	# 1
60) Diethylphthalate	10.427	149	44784	6.536	ng	# 52
61) 4-Chlorophenyl-phenyle...	10.586	204	9503	2.816	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.592	198	1647	7.214	ng	# 1
66) n-Nitrosodiphenylamine	10.680	169	16994	3.119	ng	# 77
67) 4-Bromophenyl-phenylether	11.027	248	4497	2.438	ng	# 1
69) Atrazine	11.180	200	6731	4.480	ng	# 1
74) Di-n-butylphthalate	12.069	149	34664	4.187	ng	# 30

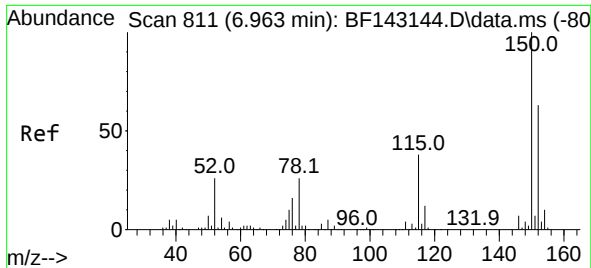
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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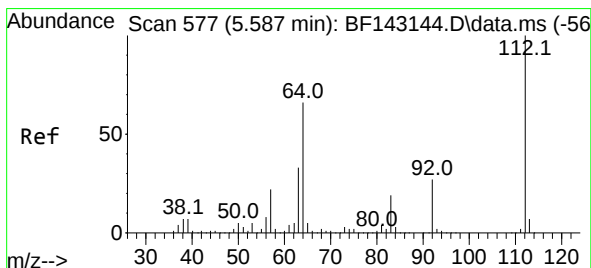
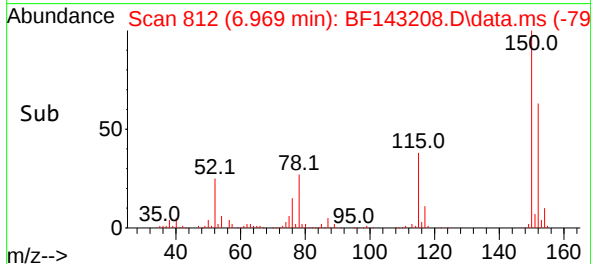
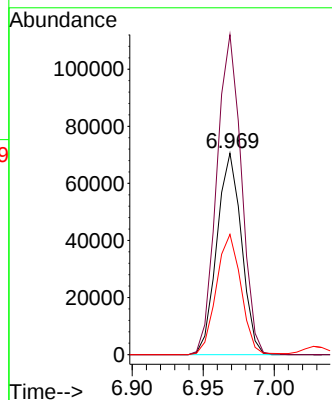
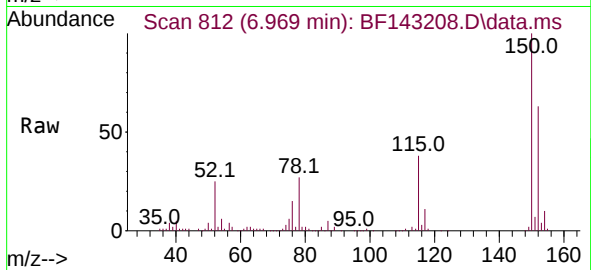




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

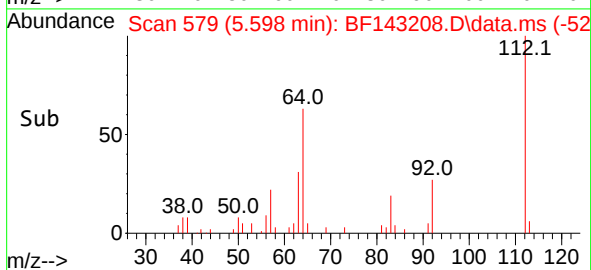
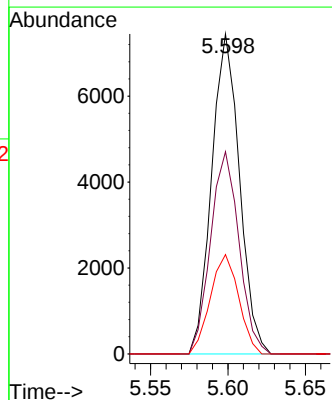
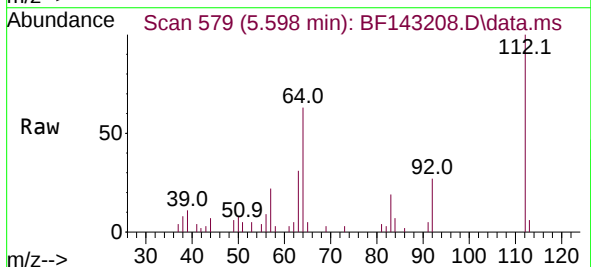
Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

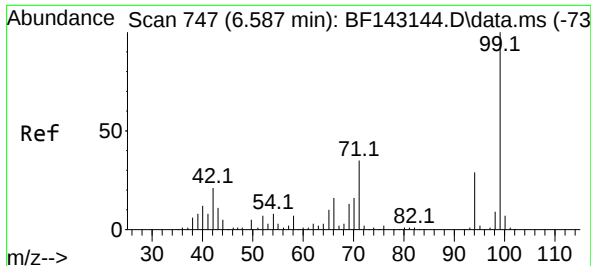
Tgt Ion:152 Resp: 84926
Ion Ratio Lower Upper
152 100
150 159.0 128.2 192.4
115 59.8 47.9 71.9



#5
2-Fluorophenol
Concen: 1.736 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion:112 Resp: 9317
Ion Ratio Lower Upper
112 100
64 63.2 53.1 79.7
63 31.0 26.6 40.0

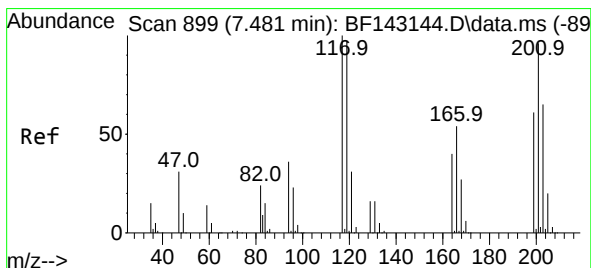
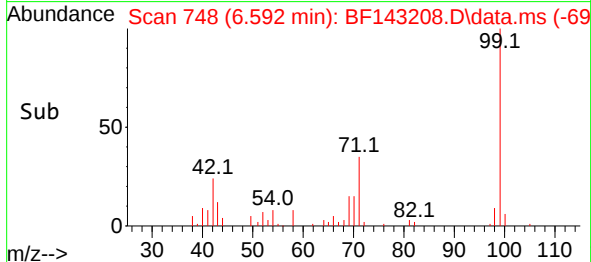
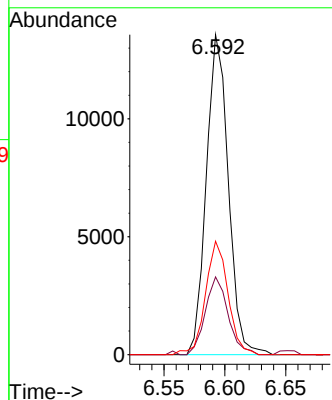
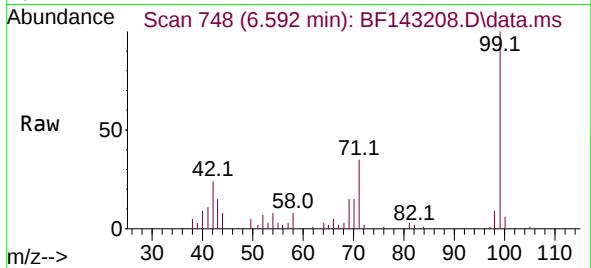




#7
Phenol-d6
Concen: 2.523 ng
RT: 6.592 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

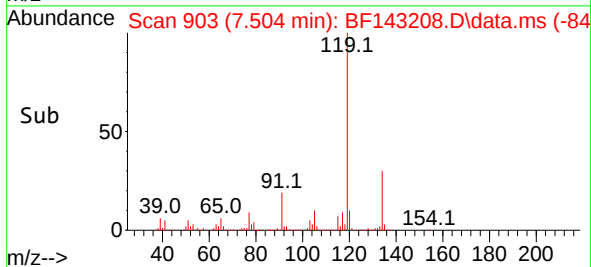
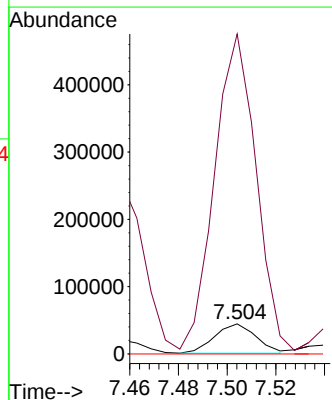
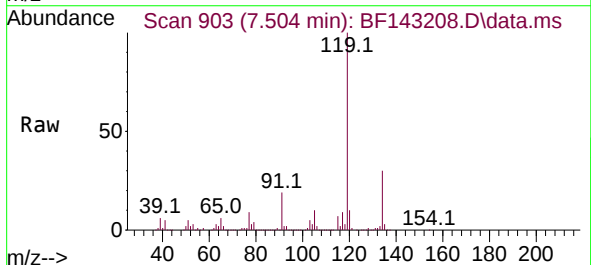
Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

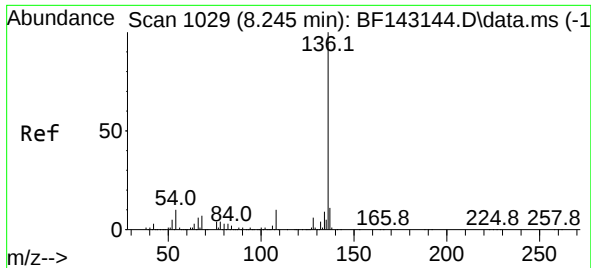
Tgt Ion: 99 Resp: 17044
Ion Ratio Lower Upper
99 100
42 24.3 17.0 25.6
71 35.4 27.7 41.5



#18
Hexachloroethane
Concen: 24.154 ng
RT: 7.504 min Scan# 903
Delta R.T. 0.023 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion: 117 Resp: 51460
Ion Ratio Lower Upper
117 100
119 1067.0 77.8 116.8#
201 0.0 77.0 115.4#

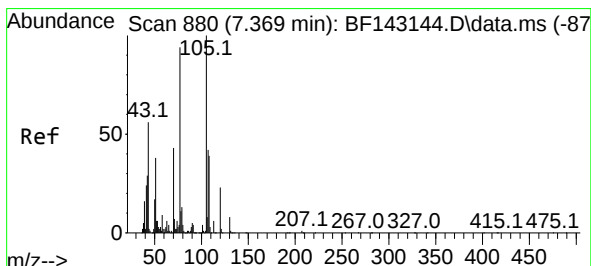
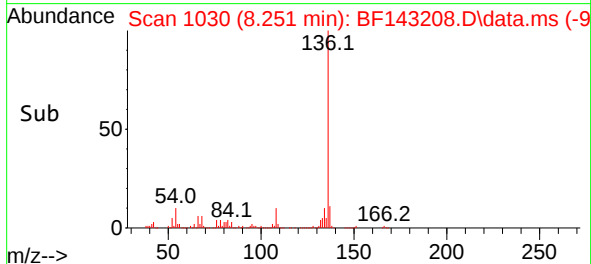
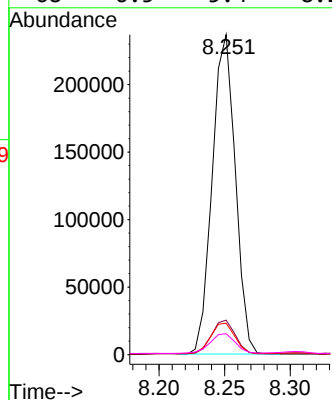
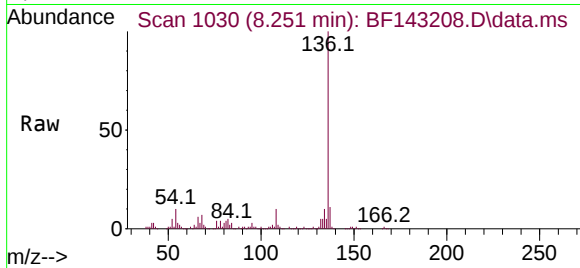




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1029
Delta R.T. 0.006 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

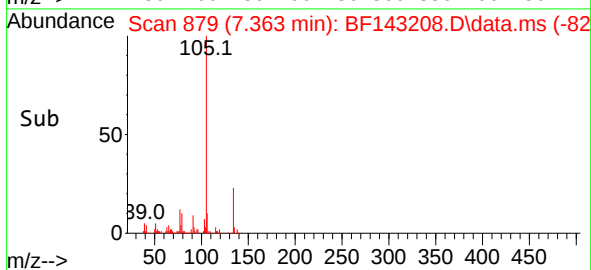
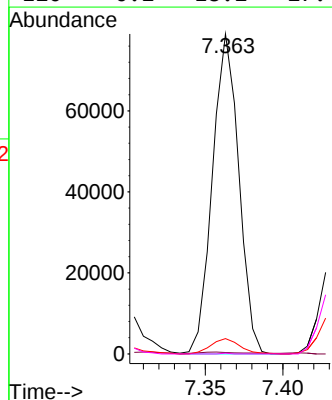
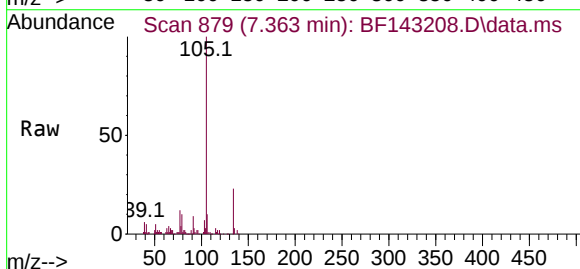
Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

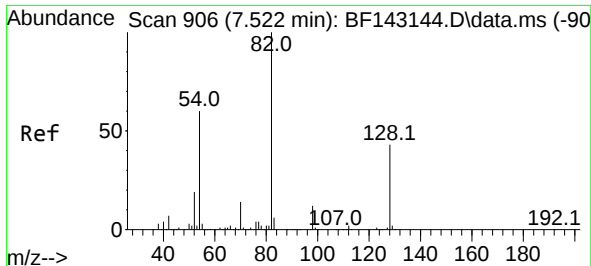
Tgt	Ion:136	Resp:	289745
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.8	8.2	12.2
68	6.5	5.4	8.2



#22
Acetophenone
Concen: 13.670 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt	Ion:105	Resp:	93775
Ion	Ratio	Lower	Upper
105	100		
71	0.5	5.8	8.6#
51	4.8	30.2	45.2#
120	0.2	18.2	27.4#





#23

Nitrobenzene-d5

Concen: 2.308 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

Instrument :

BNA_F

ClientSampleId :

MOO-25-0218

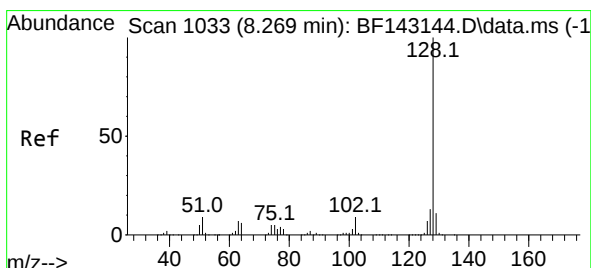
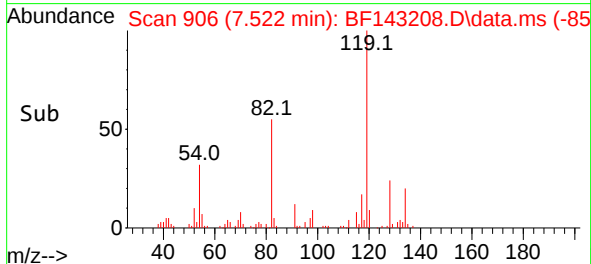
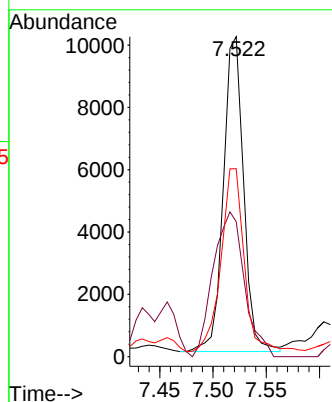
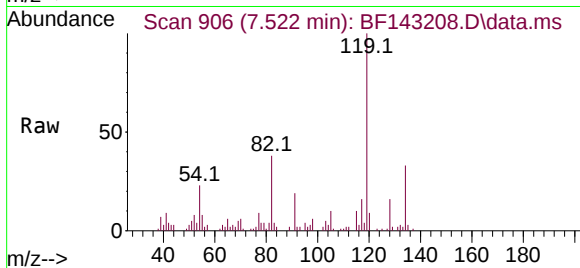
Tgt Ion: 82 Resp: 13416

Ion Ratio Lower Upper

82 100

128 42.2 33.6 50.4

54 58.7 47.1 70.7



#31

Naphthalene

Concen: 4.653 ng

RT: 8.269 min Scan# 1033

Delta R.T. -0.000 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

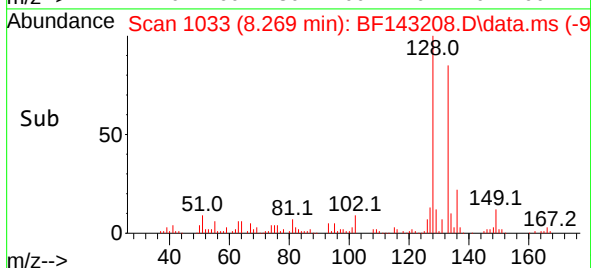
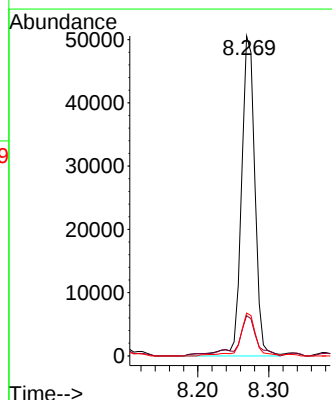
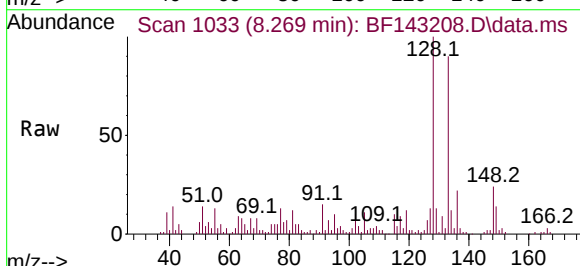
Tgt Ion: 128 Resp: 66390

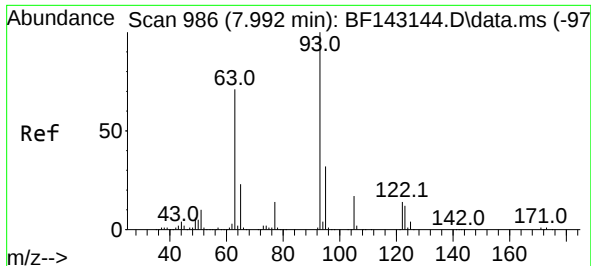
Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.4

127 13.4 10.6 16.0

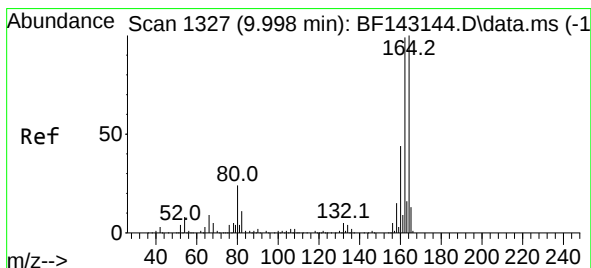
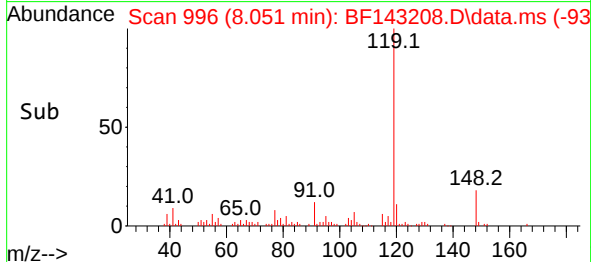
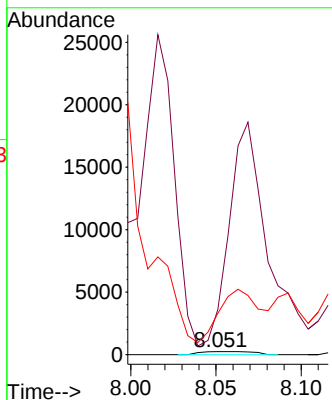
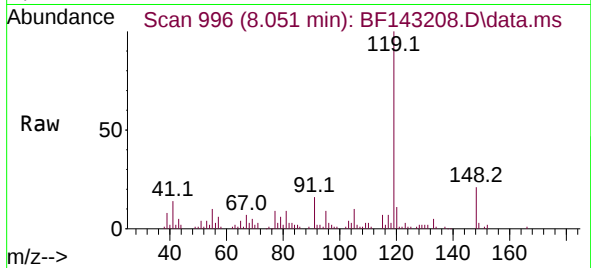




#32
Benzoic acid
Concen: 5.350 ng
RT: 8.051 min Scan# 996
Delta R.T. 0.059 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

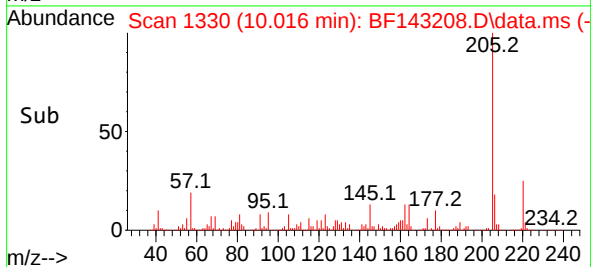
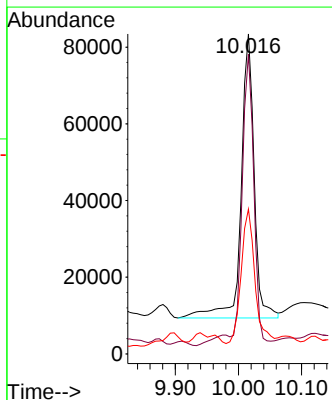
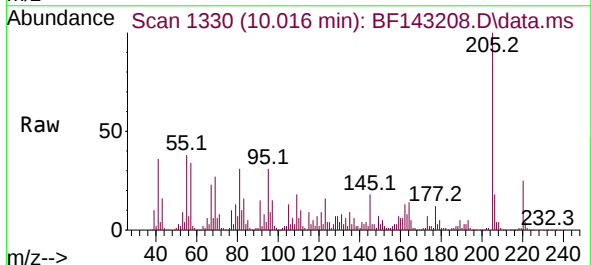
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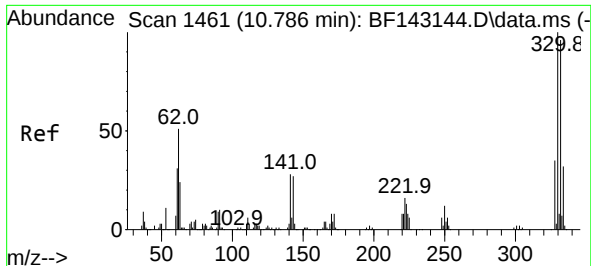
Tgt Ion:122 Resp: 522
Ion Ratio Lower Upper
122 100
105 1515.4 104.8 144.8#
77 1379.2 77.6 117.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1330
Delta R.T. 0.018 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

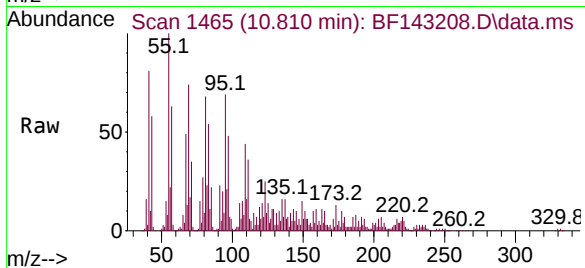
Tgt Ion:164 Resp: 106353
Ion Ratio Lower Upper
164 100
162 93.7 79.0 118.6
160 45.2 35.1 52.7



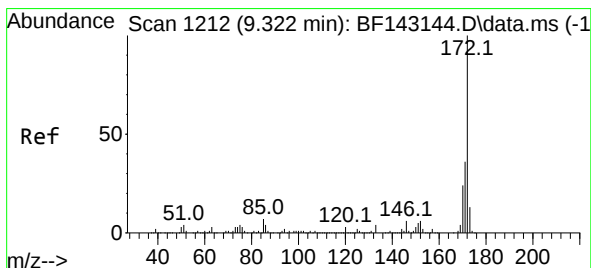
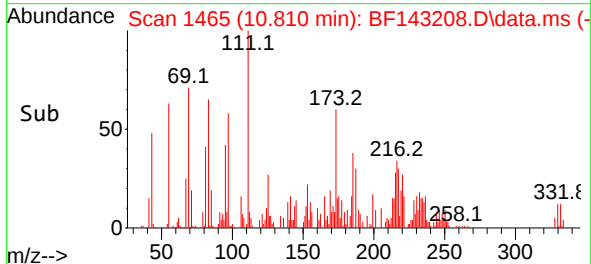
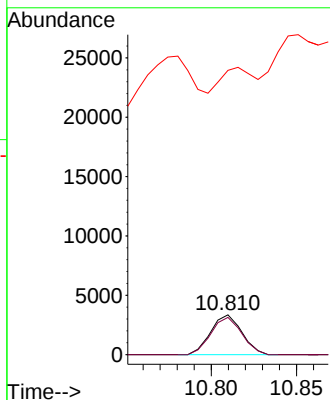


#42
2,4,6-Tribromophenol
Concen: 3.866 ng
RT: 10.810 min Scan# 1465
Delta R.T. 0.023 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

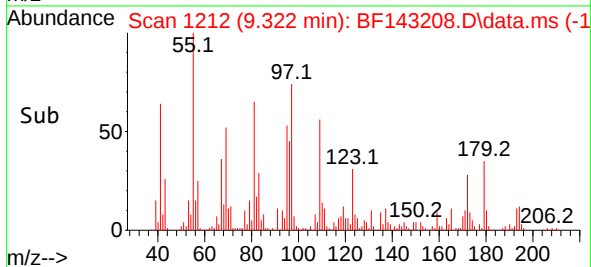
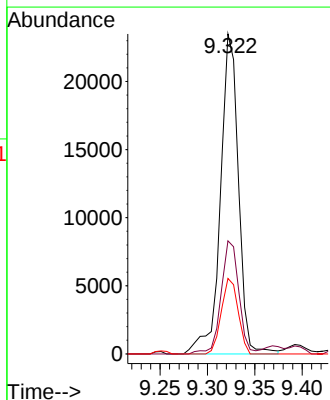
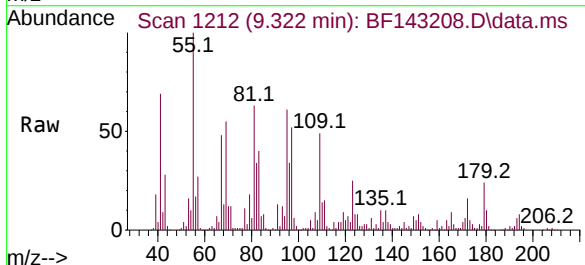


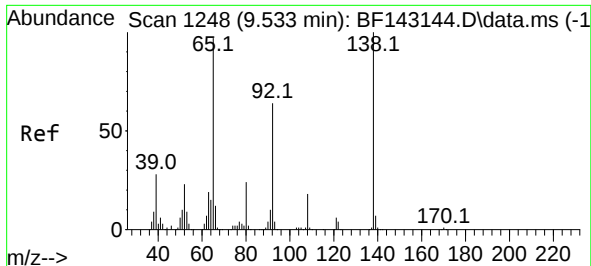
Tgt Ion: 330 Resp: 4248
Ion Ratio Lower Upper
330 100
332 93.0 76.7 115.1
141 65.5 23.3 34.9#



#45
2-Fluorobiphenyl
Concen: 4.004 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.000 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion: 172 Resp: 31135
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.6 18.8 28.2

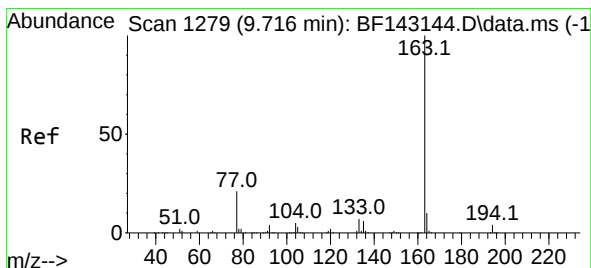
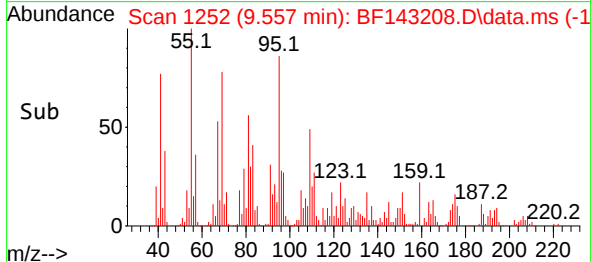
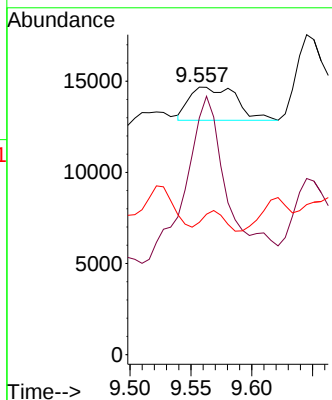
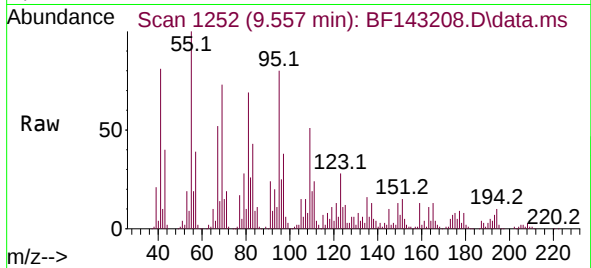




#48
2-Nitroaniline
Concen: 2.540 ng
RT: 9.557 min Scan# 1252
Delta R.T. 0.023 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

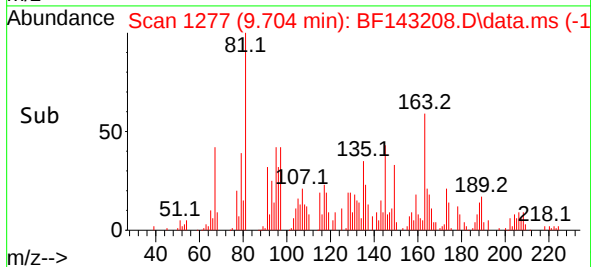
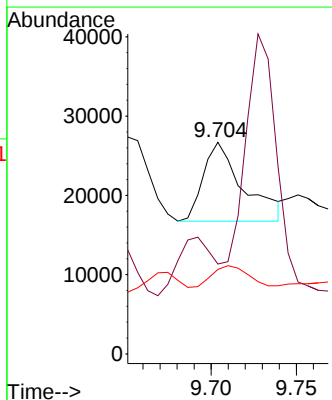
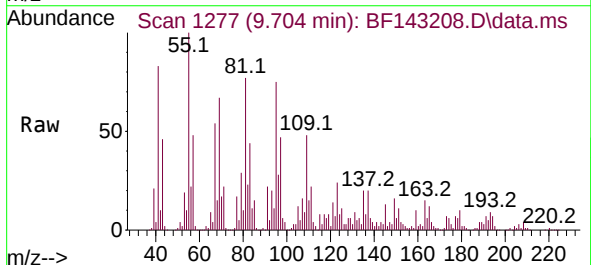
Instrument :
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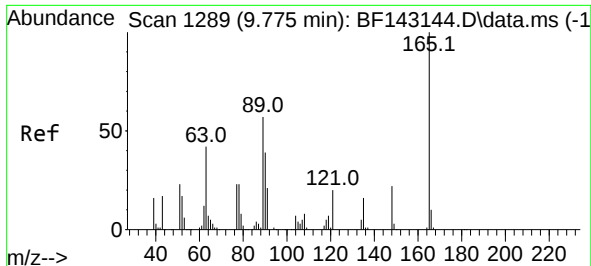
Tgt Ion: 65 Resp: 4891
Ion Ratio Lower Upper
65 100
92 88.5 52.4 78.6#
138 49.5 82.3 123.5#



#50
Dimethylphthalate
Concen: 2.329 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion:163 Resp: 16145
Ion Ratio Lower Upper
163 100
194 42.5 3.4 5.2#
164 39.9 8.3 12.5#





#51

2,6-Dinitrotoluene

Concen: 9.299 ng

RT: 9.786 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

Instrument :

BNA_F

ClientSampleId :

MOO-25-0218

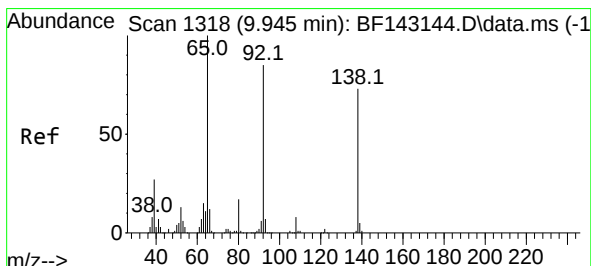
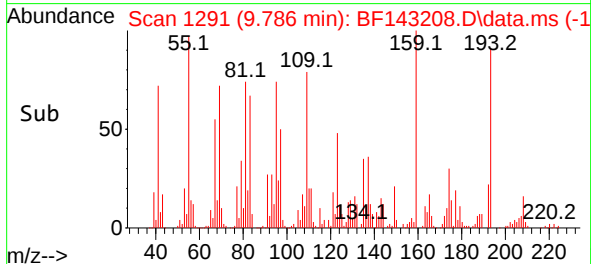
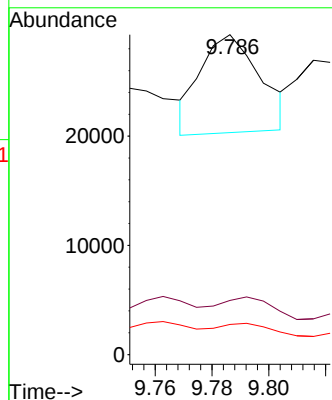
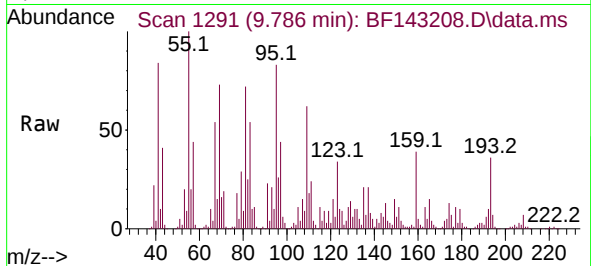
Tgt Ion:165 Resp: 13114

Ion Ratio Lower Upper

165 100

63 16.9 49.4 74.2#

89 9.4 46.2 69.2#



#53

3-Nitroaniline

Concen: 9.405 ng

RT: 9.975 min Scan# 1323

Delta R.T. 0.029 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

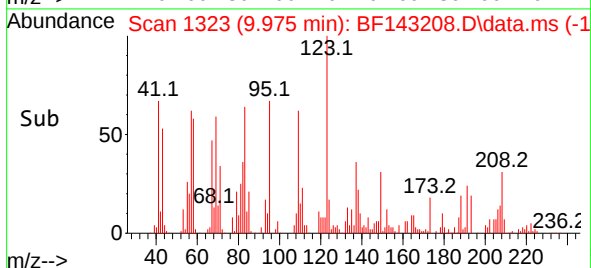
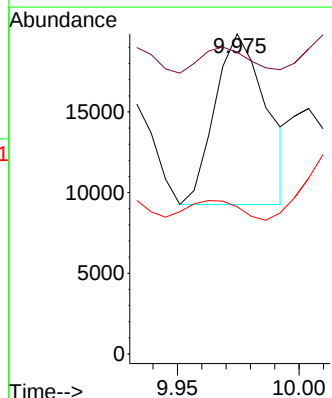
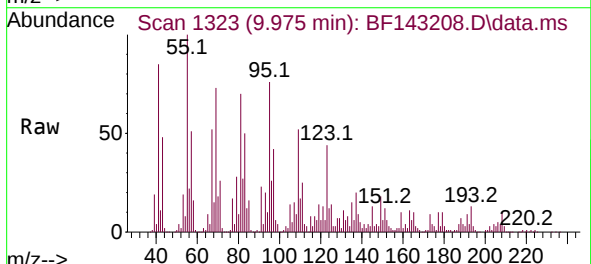
Tgt Ion:138 Resp: 15514

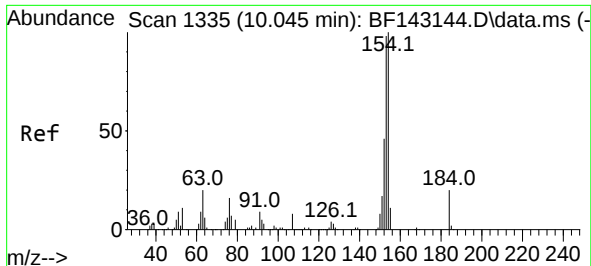
Ion Ratio Lower Upper

138 100

108 94.2 9.0 13.6#

92 46.0 93.0 139.4#





#54

2,4-Dinitrophenol

Concen: 7.539 ng

RT: 10.045 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

Instrument :

BNA_F

ClientSampleId :

MOO-25-0218

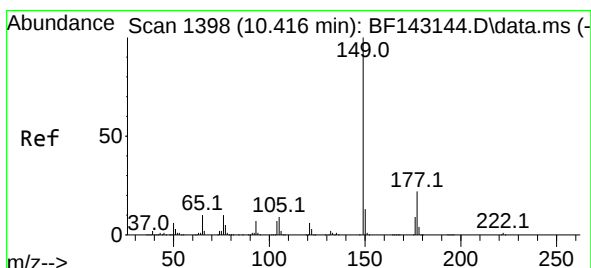
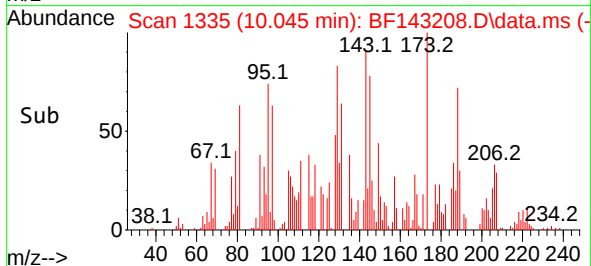
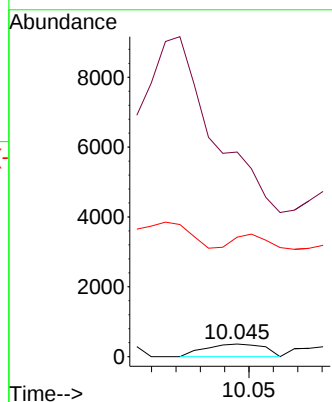
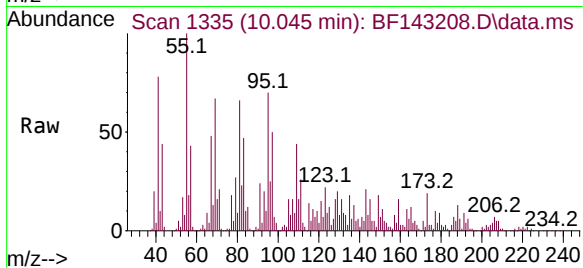
Tgt Ion:184 Resp: 610

Ion Ratio Lower Upper

184 100

63 1619.1 81.8 122.6#

154 945.3 412.2 618.4#



#60

Diethylphthalate

Concen: 6.536 ng

RT: 10.427 min Scan# 1400

Delta R.T. 0.012 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

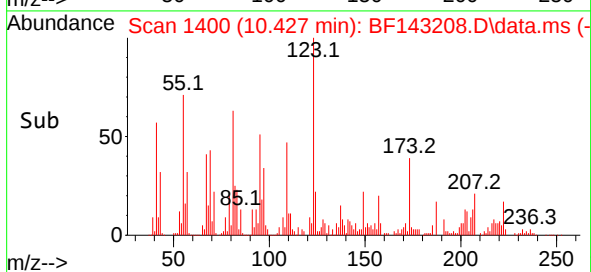
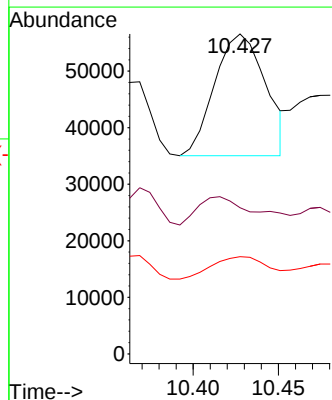
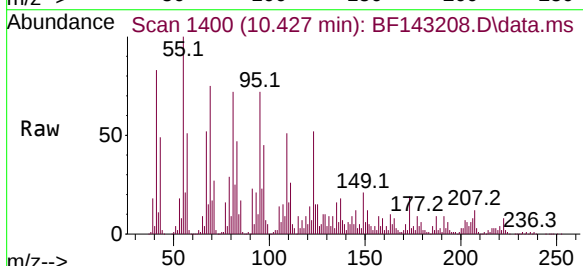
Tgt Ion:149 Resp: 44784

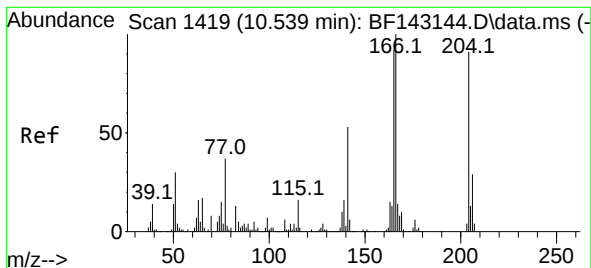
Ion Ratio Lower Upper

149 100

177 45.7 17.5 26.3#

150 30.4 10.2 15.2#

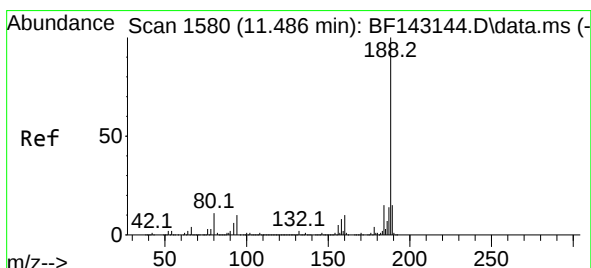
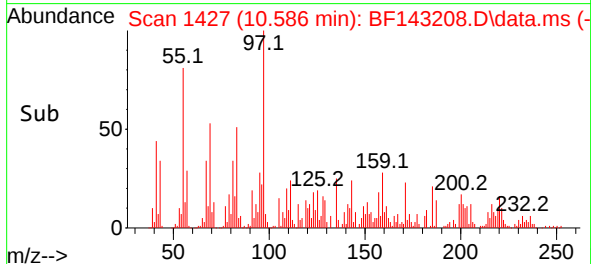
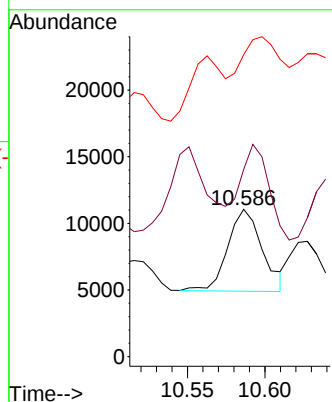
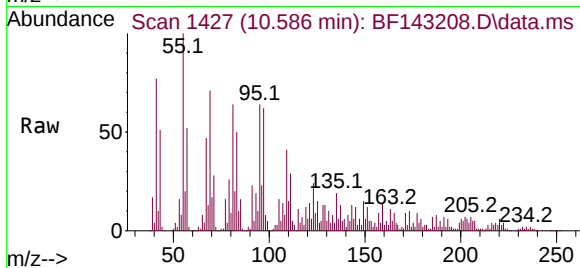




#61
4-Chlorophenyl-phenylether
Concen: 2.816 ng
RT: 10.586 min Scan# 1419
Delta R.T. 0.047 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

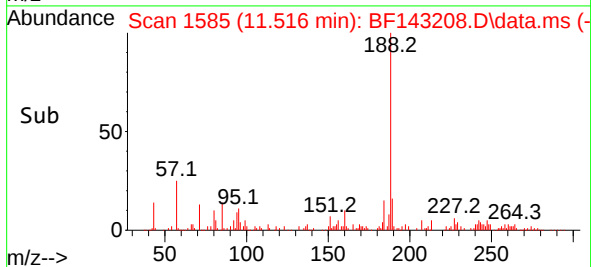
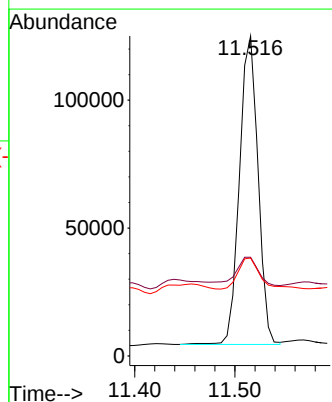
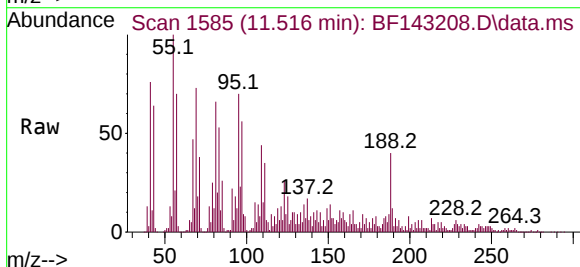
Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

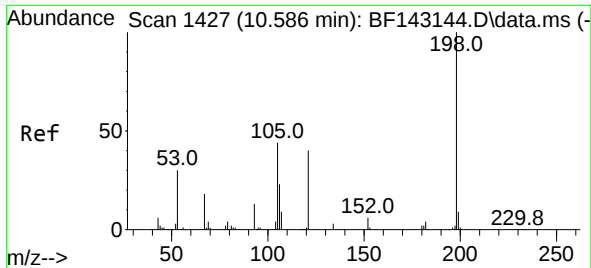
Tgt Ion:204 Resp: 9503
Ion Ratio Lower Upper
204 100
206 127.1 25.8 38.8#
141 205.0 47.0 70.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.029 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion:188 Resp: 154749
Ion Ratio Lower Upper
188 100
94 30.8 8.3 12.5#
80 30.6 9.0 13.6#

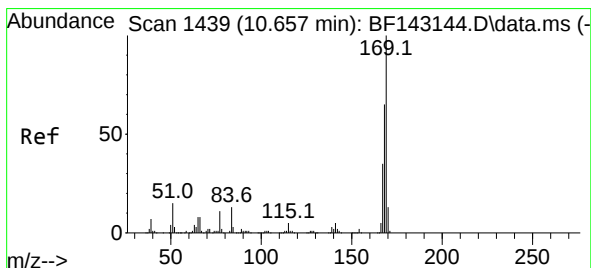
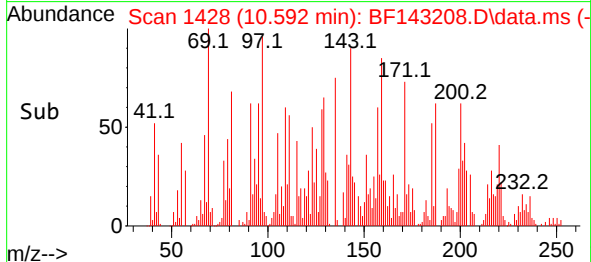
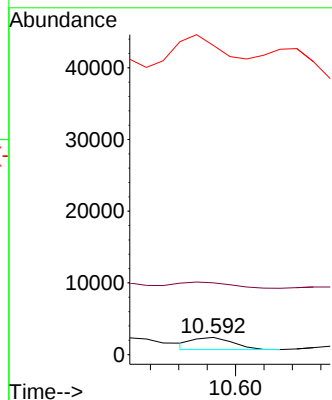
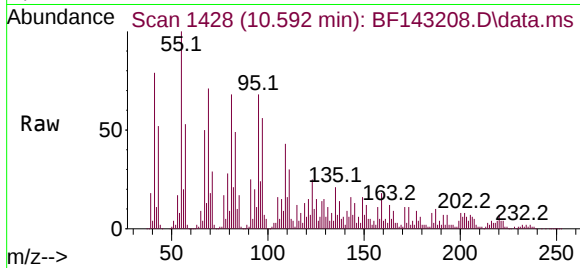




#65
4,6-Dinitro-2-methylphenol
Concen: 7.214 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

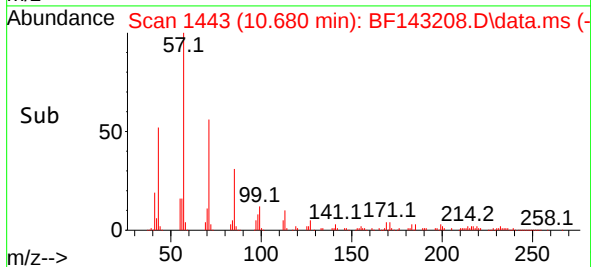
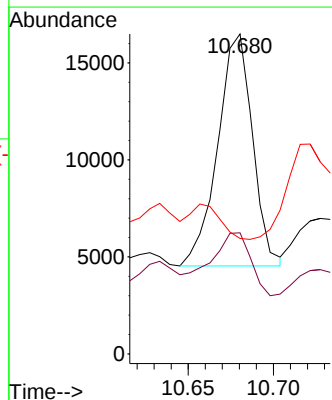
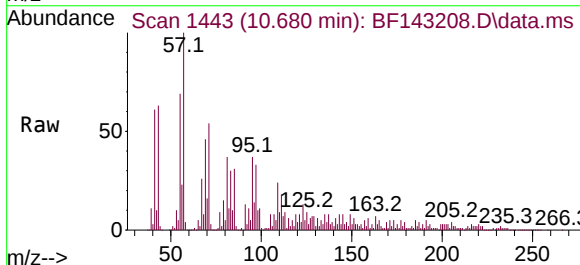
Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

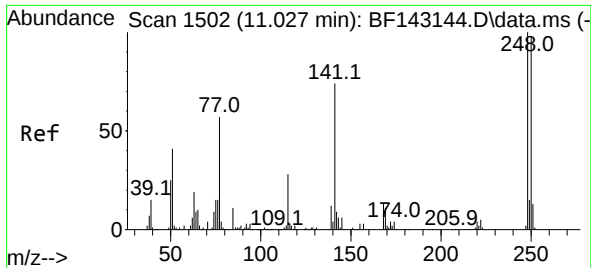
Tgt Ion:198 Resp: 1647
Ion Ratio Lower Upper
198 100
51 419.1 37.2 77.2#
105 1804.1 24.8 64.8#



#66
n-Nitrosodiphenylamine
Concen: 3.119 ng
RT: 10.680 min Scan# 1443
Delta R.T. 0.023 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion:169 Resp: 16994
Ion Ratio Lower Upper
169 100
168 37.8 52.1 78.1#
167 36.1 28.2 42.2

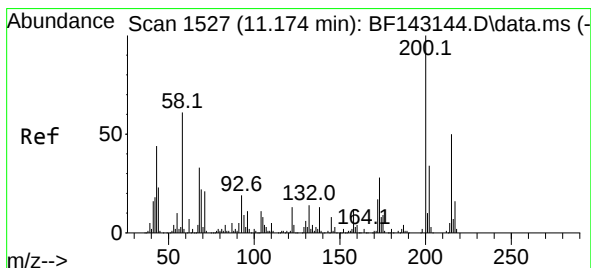
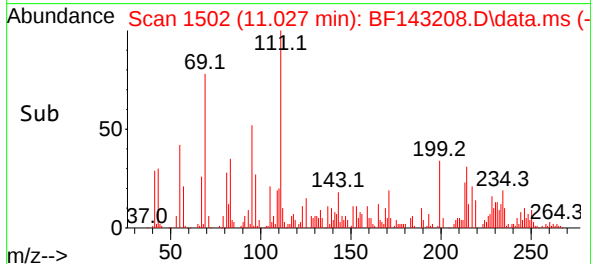
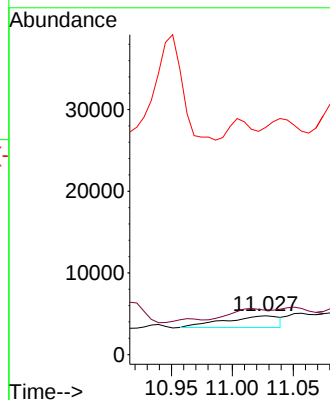
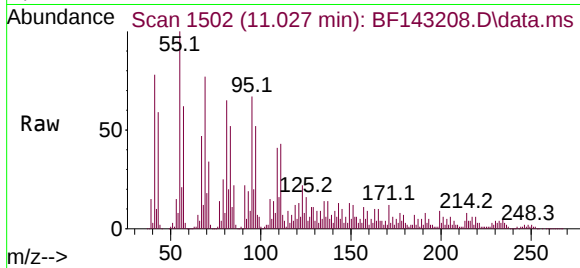




#67
4-Bromophenyl-phenylether
Concen: 2.438 ng
RT: 11.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

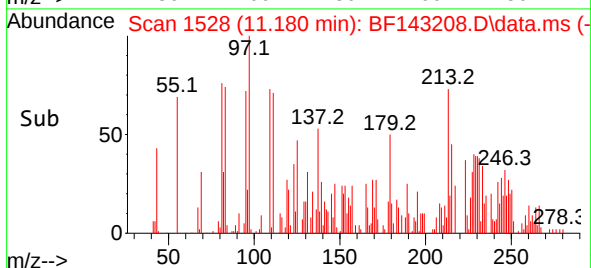
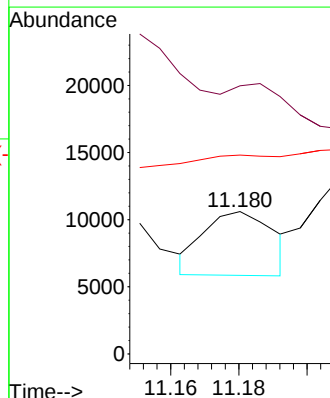
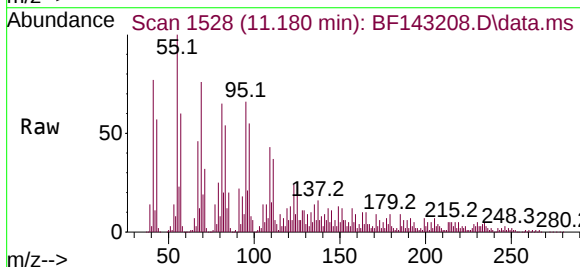
Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

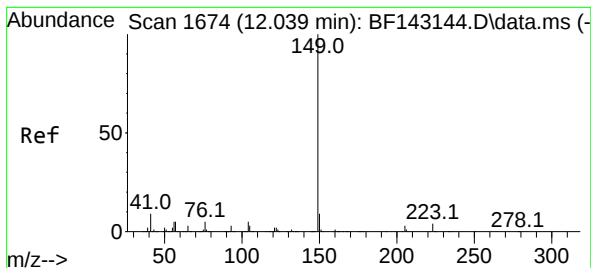
Tgt Ion:248 Resp: 4497
Ion Ratio Lower Upper
248 100
250 114.1 78.3 117.5
141 584.5 59.2 88.8#



#69
Atrazine
Concen: 4.480 ng
RT: 11.180 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion:200 Resp: 6731
Ion Ratio Lower Upper
200 100
173 188.4 7.9 47.9#
215 139.7 30.1 70.1#





#74

Di-n-butylphthalate

Concen: 4.187 ng

RT: 12.069 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

Instrument :

BNA_F

ClientSampleId :

MOO-25-0218

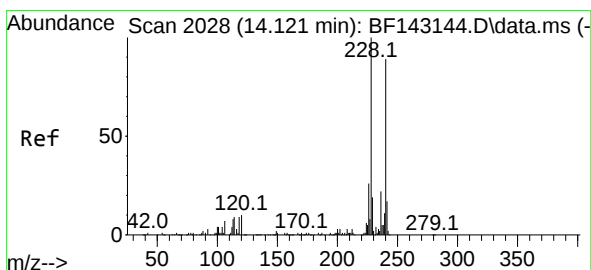
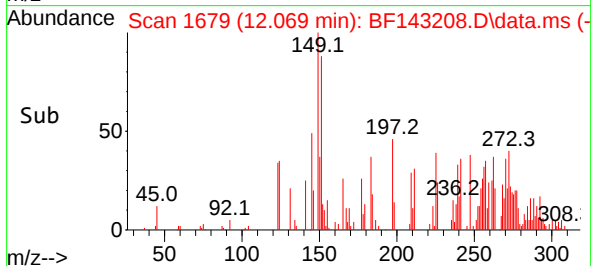
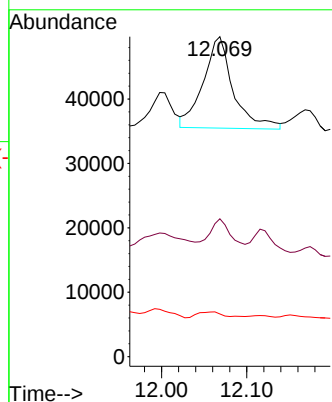
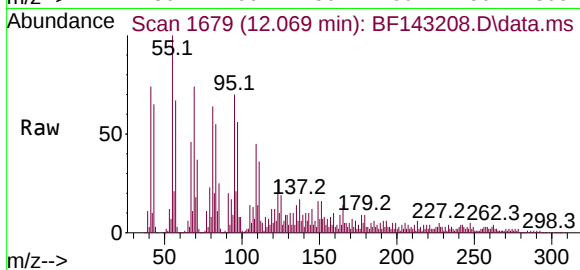
Tgt Ion:149 Resp: 34664

Ion Ratio Lower Upper

149 100

150 43.1 7.4 11.2#

104 13.3 3.8 5.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2032

Delta R.T. 0.023 min

Lab File: BF143208.D

Acq: 23 Jul 2025 00:41

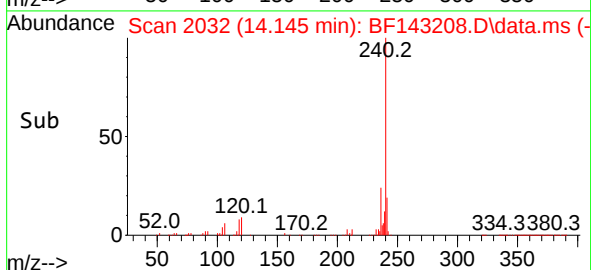
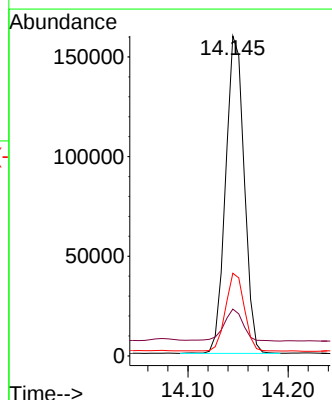
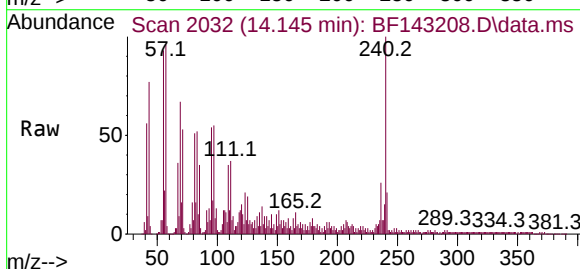
Tgt Ion:240 Resp: 205130

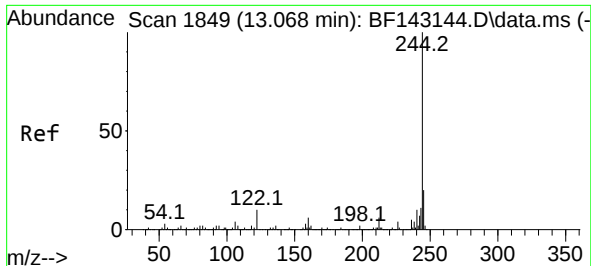
Ion Ratio Lower Upper

240 100

120 14.6 9.4 14.2#

236 25.8 20.2 30.4

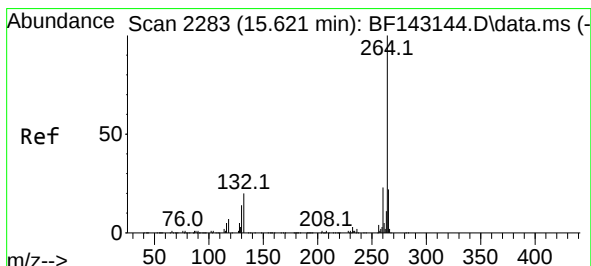
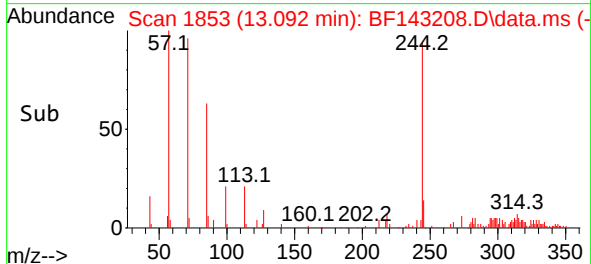
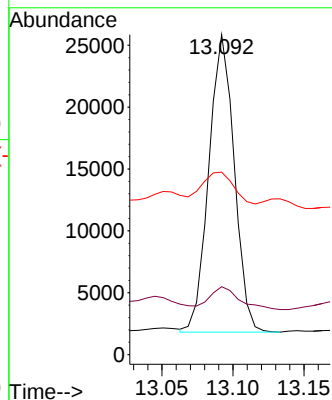
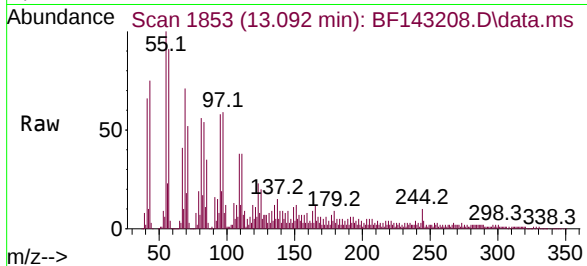




#79
Terphenyl-d14
Concen: 2.173 ng
RT: 13.092 min Scan# 1849
Delta R.T. 0.023 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Instrument :
BNA_F
ClientSampleId :
MOO-25-0218

Tgt Ion:244 Resp: 29958
Ion Ratio Lower Upper
244 100
212 21.2 5.2 7.8#
122 57.0 8.2 12.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.656 min Scan# 2289
Delta R.T. 0.035 min
Lab File: BF143208.D
Acq: 23 Jul 2025 00:41

Tgt Ion:264 Resp: 184400
Ion Ratio Lower Upper
264 100
260 23.7 18.5 27.7
265 21.9 17.4 26.2

