

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142409.D
 Acq On : 15 May 2025 23:31
 Operator : RC/JU
 Sample : Q2014-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0134

Quant Time: May 16 01:11:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	154410	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	690928	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	242534	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	244478	20.000	ng	# 0.01
76) Chrysene-d12	14.080	240	303055	20.000	ng	0.01
86) Perylene-d12	15.562	264	241133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	581536	64.292	ng	0.00
7) Phenol-d6	6.528	99	728861	65.516	ng	0.00
23) Nitrobenzene-d5	7.463	82	428752	37.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	146700	62.649	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	862285	50.694	ng	0.00
79) Terphenyl-d14	13.033	244	596243	29.120	ng	0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	6.451	77	89768	13.787	ng	97
15) Benzyl Alcohol	7.045	79	466695	64.784	ng	98
17) 2-Methylphenol	7.045	107	262984	33.606	ng	# 17
19) n-Nitroso-di-n-propyla...	7.298	70	26712	3.882	ng	# 69
20) 3+4-Methylphenols	7.045	107	258272	26.444	ng	# 23
25) Isophorone	7.463	82	420587	19.605	ng	# 62
26) 2-Nitrophenol	7.828	139	1834	4.413	ng	# 84
31) Naphthalene	8.204	128	233440	6.971	ng	100
32) Benzoic acid	7.886	122	23539	10.118	ng	97
33) 4-Chloroaniline	8.204	127	30744	2.250	ng	# 1
37) 2-Methylnaphthalene	8.892	142	58948	2.833	ng	100
51) 2,6-Dinitrotoluene	9.698	165	12385	4.249	ng	# 43
54) 2,4-Dinitrophenol	9.975	184	332	7.859	ng	# 1
58) Fluorene	10.492	166	48661	3.106	ng	# 52
63) Azobenzene	10.657	77	52362	3.523	ng	# 11
65) 4,6-Dinitro-2-methylph...	10.557	198	626	7.652	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	32824	4.035	ng	# 68
69) Atrazine	11.139	200	5576	2.600	ng	# 1
71) Phenanthrene	11.469	178	283775	22.144	ng	# 79
72) Anthracene	11.521	178	29027	2.204	ng	# 12
74) Di-n-butylphthalate	12.004	149	39251	3.160	ng	# 21
75) Fluoranthene	12.668	202	146880	11.466	ng	86
78) Pyrene	12.892	202	95324	3.534	ng	# 79
80) Butylbenzylphthalate	13.545	149	2481	3.950	ng	# 45
84) Bis(2-ethylhexyl)phtha...	14.051	149	47654	8.475	ng	# 84
85) Di-n-octyl phthalate	14.692	149	5004	8.066	ng	# 73

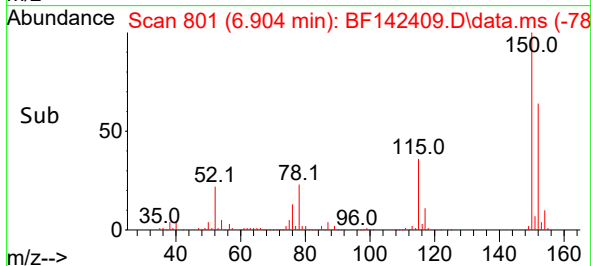
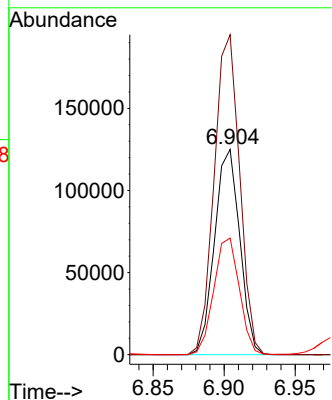
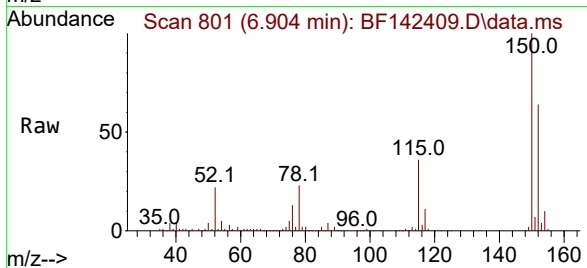
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

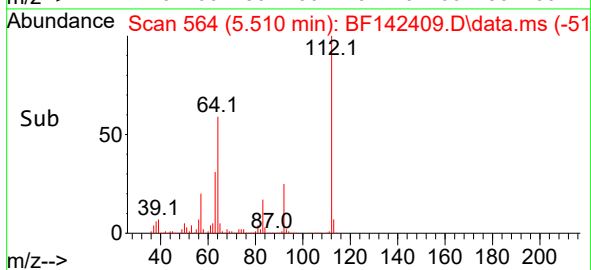
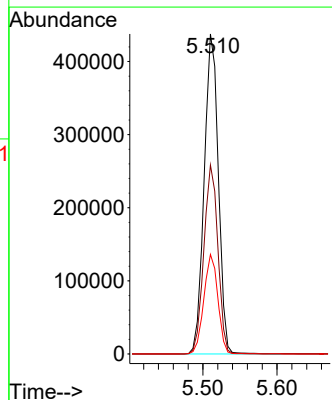
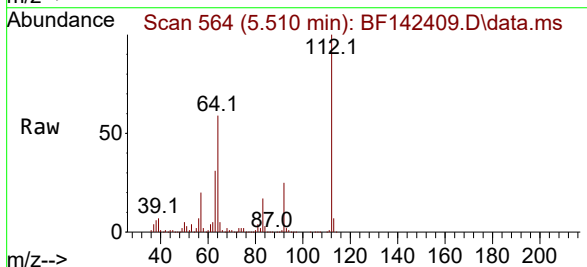
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

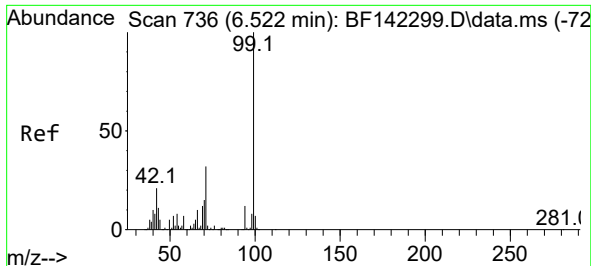
Tgt Ion:152 Resp: 154410
Ion Ratio Lower Upper
152 100
150 155.9 126.6 190.0
115 56.8 47.3 70.9



#5
2-Fluorophenol
Concen: 64.292 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:112 Resp: 581536
Ion Ratio Lower Upper
112 100
64 59.0 48.9 73.3
63 31.1 25.6 38.4





#7

Phenol-d6

Concen: 65.516 ng

RT: 6.528 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

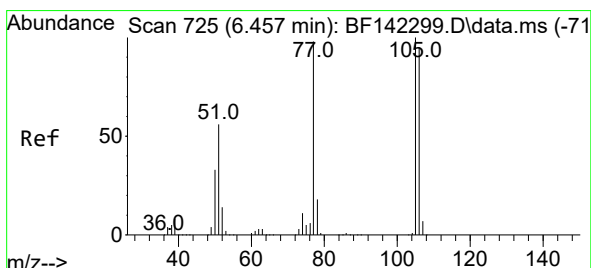
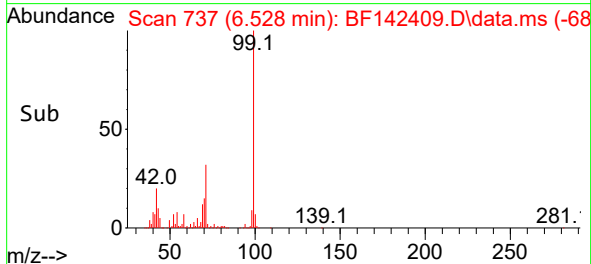
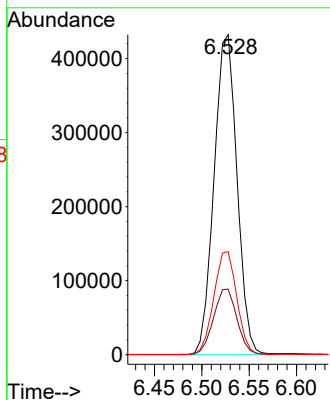
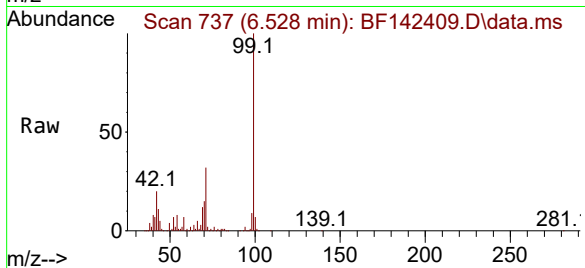
Tgt Ion: 99 Resp: 728861

Ion Ratio Lower Upper

99 100

42 20.5 17.0 25.4

71 32.2 25.8 38.8



#9

Benzaldehyde

Concen: 13.787 ng

RT: 6.451 min Scan# 724

Delta R.T. -0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

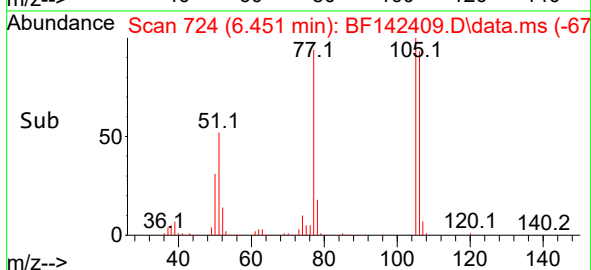
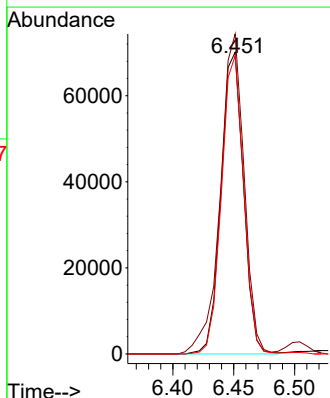
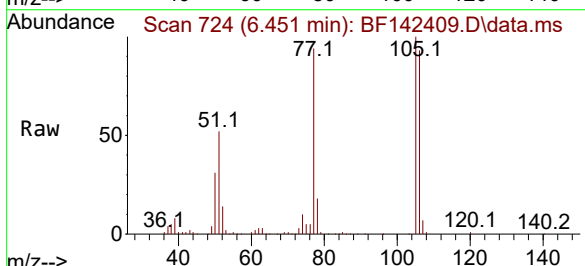
Tgt Ion: 77 Resp: 89768

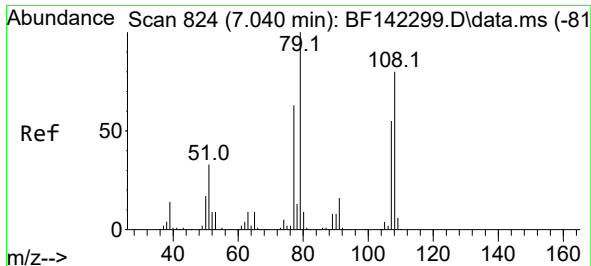
Ion Ratio Lower Upper

77 100

105 106.1 82.0 122.0

106 98.8 77.2 117.2





#15

Benzyl Alcohol

Concen: 64.784 ng

RT: 7.045 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

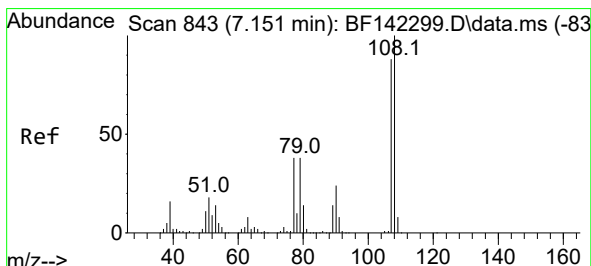
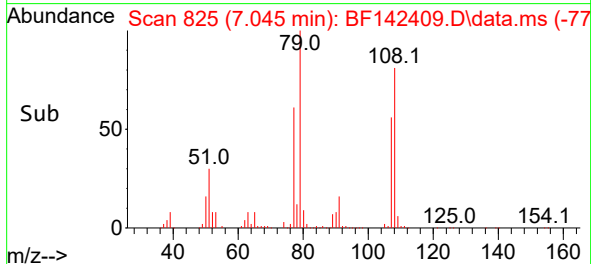
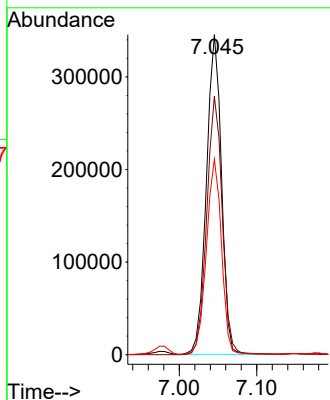
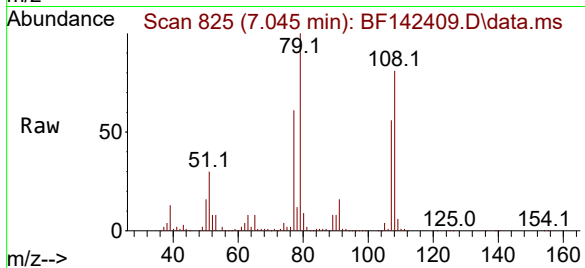
Tgt Ion: 79 Resp: 466695

Ion Ratio Lower Upper

79 100

108 80.7 63.9 95.9

77 61.1 50.7 76.1



#17

2-Methylphenol

Concen: 33.606 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.106 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Tgt Ion: 107 Resp: 262984

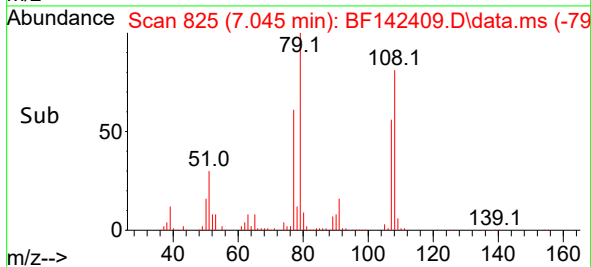
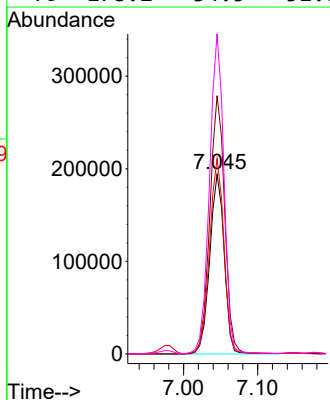
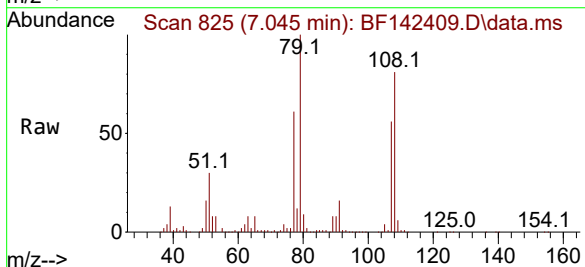
Ion Ratio Lower Upper

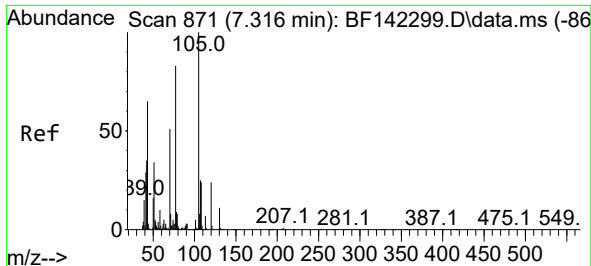
107 100

108 143.9 91.1 136.7#

77 108.8 34.7 52.1#

79 178.2 34.5 51.7#

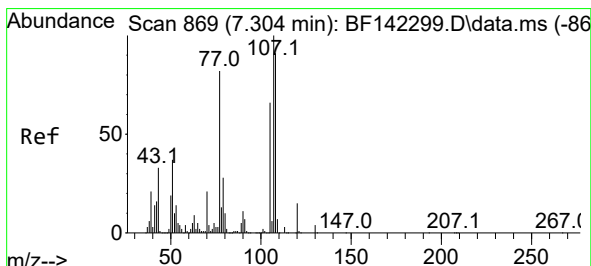
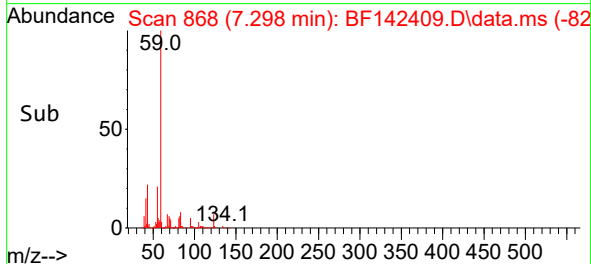
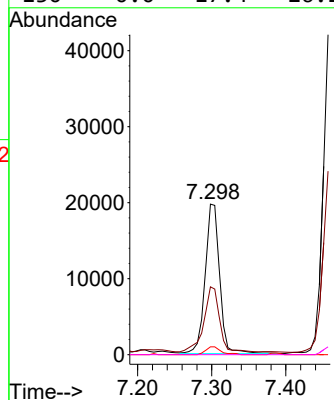
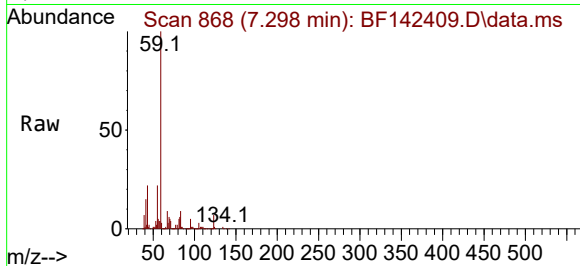




#19
n-Nitroso-di-n-propylamine
Concen: 3.882 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

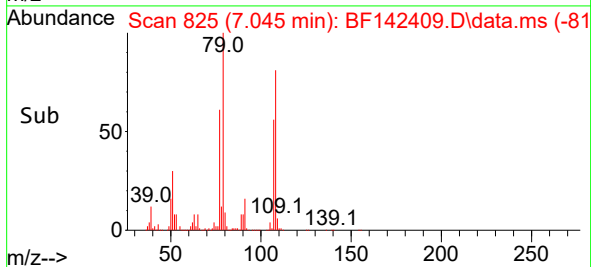
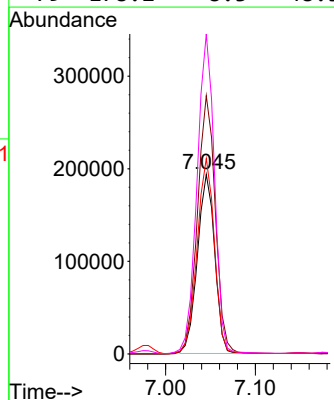
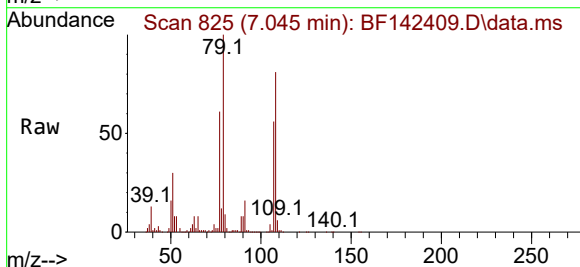
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

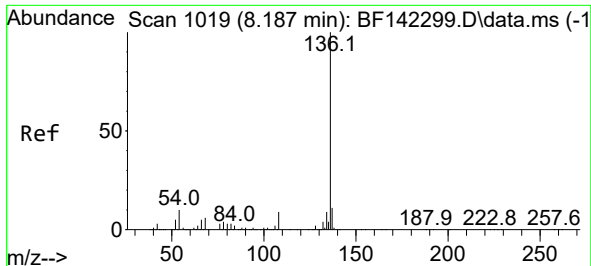
Tgt Ion: 70 Resp: 26712
Ion Ratio Lower Upper
70 100
42 45.0 54.8 82.2#
101 5.2 7.7 11.5#
130 0.0 17.4 26.2#



#20
3+4-Methylphenols
Concen: 26.444 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.259 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion: 107 Resp: 258272
Ion Ratio Lower Upper
107 100
108 143.9 71.5 111.5#
77 108.8 61.6 101.6#
79 178.2 8.3 48.3#



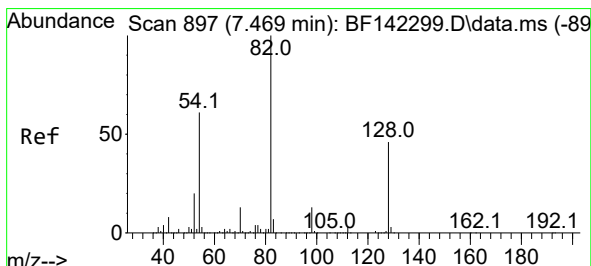
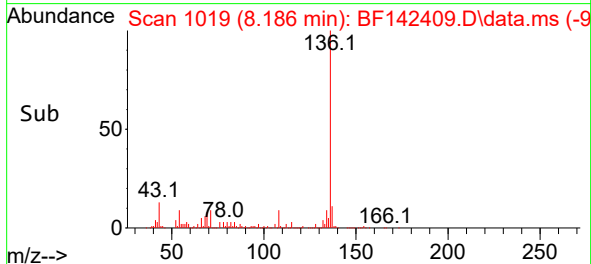
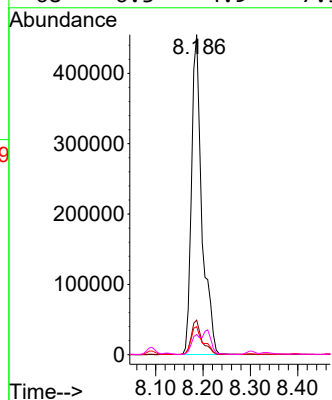
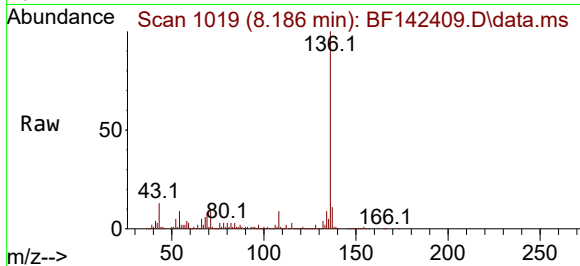


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

Tgt Ion:136 Resp: 690928

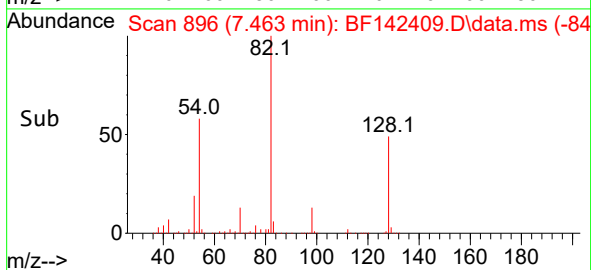
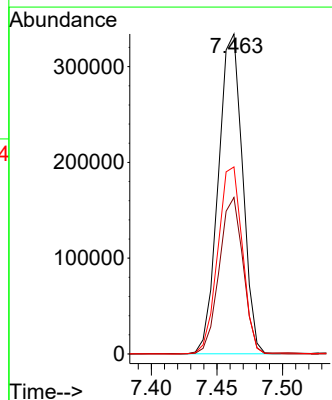
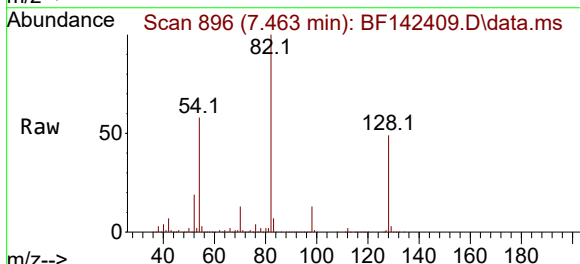
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.8	7.7	11.5
68	6.3	4.9	7.3

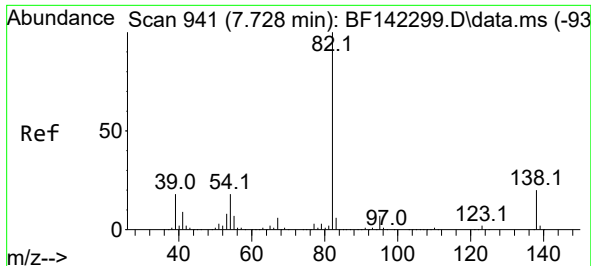


#23
Nitrobenzene-d5
Concen: 37.845 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion: 82 Resp: 428752

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	58.4	48.6	73.0

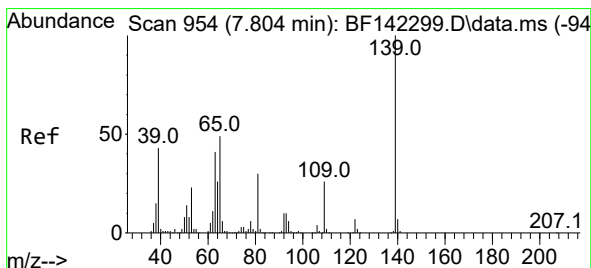
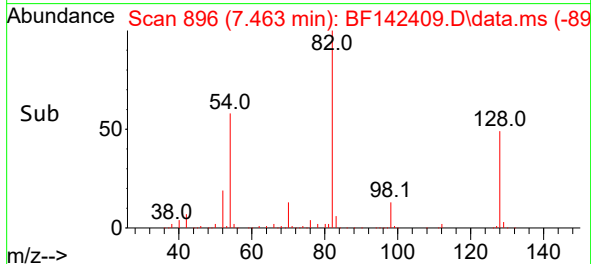
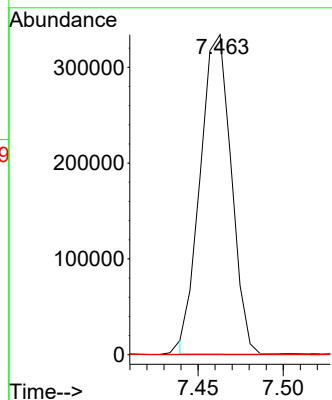
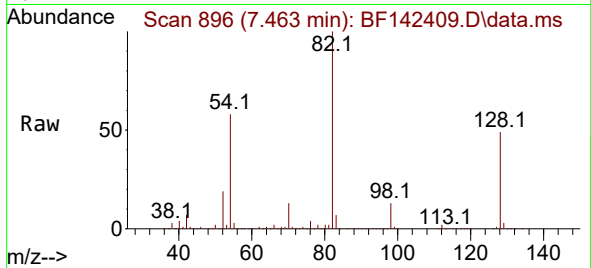




#25
Isophorone
Concen: 19.605 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

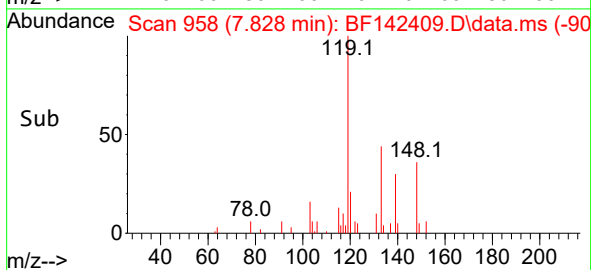
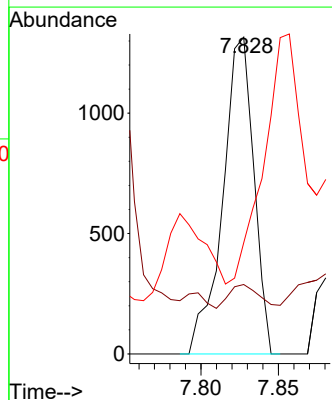
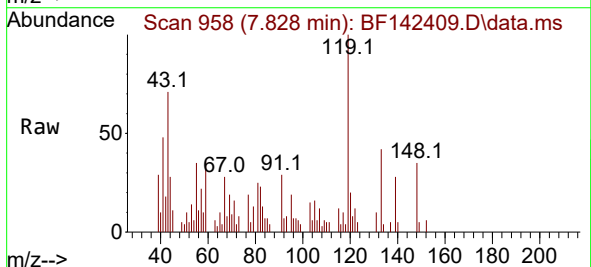
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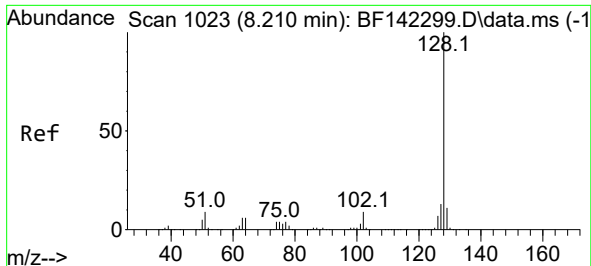
Tgt Ion: 82 Resp: 420587
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.413 ng
RT: 7.828 min Scan# 958
Delta R.T. 0.024 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:139 Resp: 1834
Ion Ratio Lower Upper
139 100
109 21.9 20.8 31.2
65 35.1 38.9 58.3#

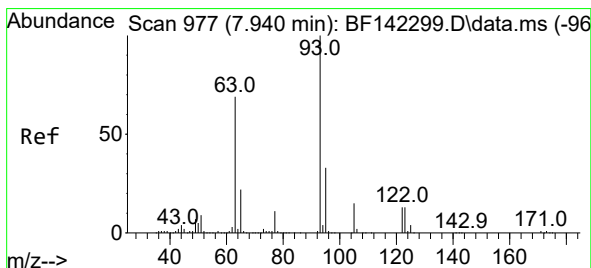
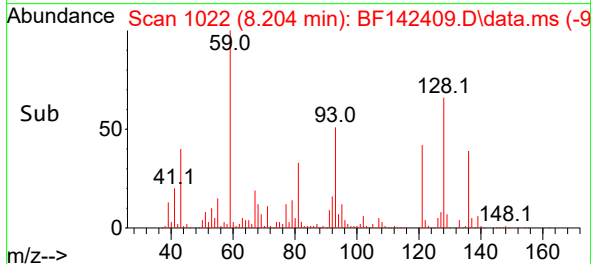
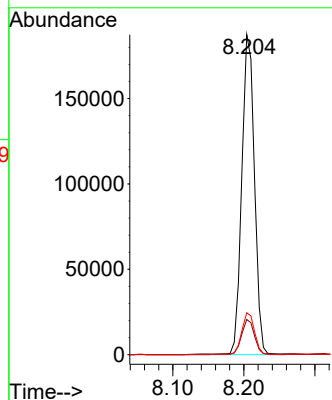
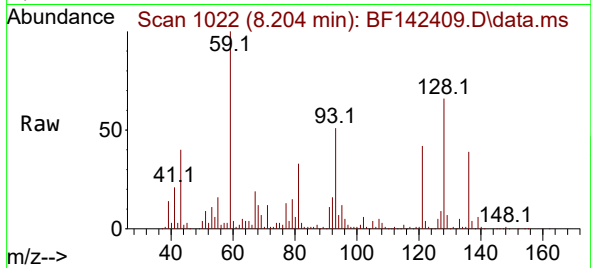




#31
Naphthalene
Concen: 6.971 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

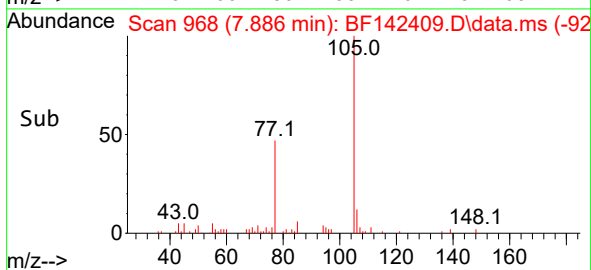
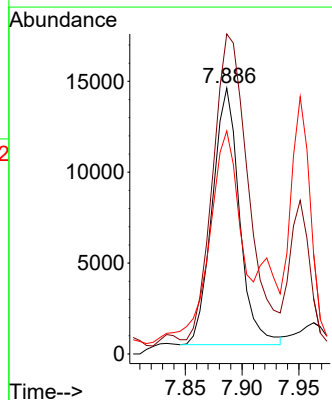
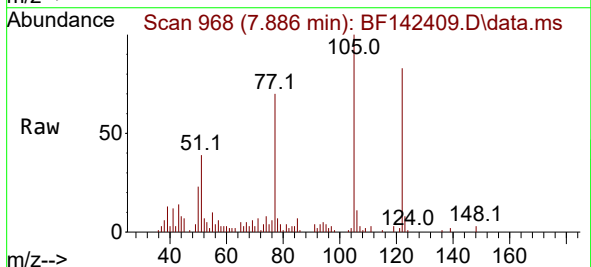
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

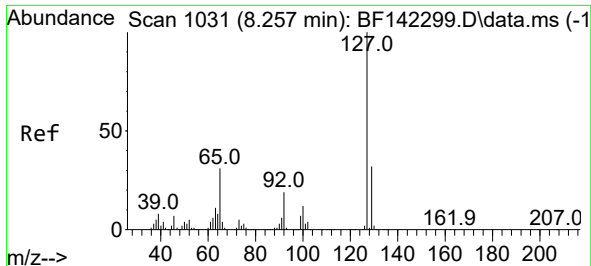
Tgt Ion:128 Resp: 233440
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 13.1 10.5 15.7



#32
Benzoic acid
Concen: 10.118 ng
RT: 7.886 min Scan# 968
Delta R.T. -0.054 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:122 Resp: 23539
Ion Ratio Lower Upper
122 100
105 120.3 97.9 137.9
77 83.9 67.7 107.7

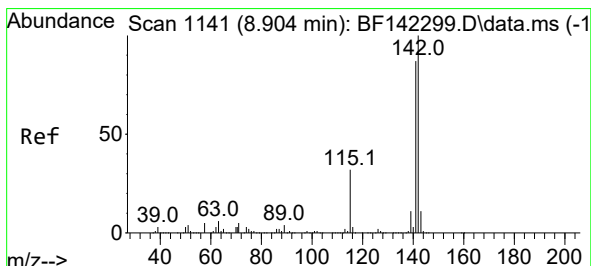
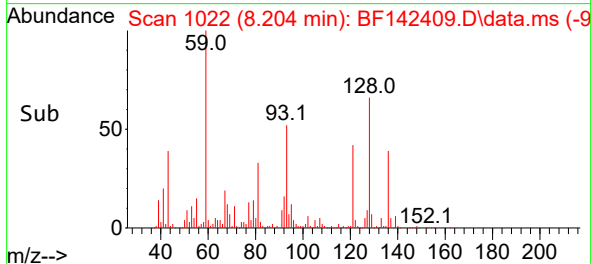
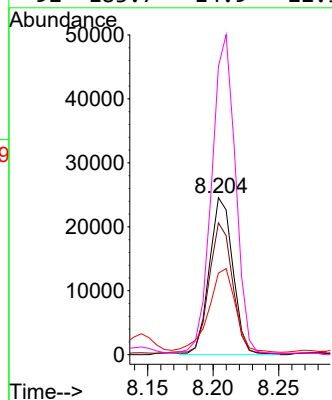
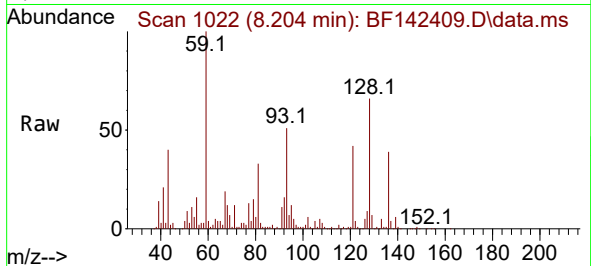




#33
4-Chloroaniline
Concen: 2.250 ng
RT: 8.204 min Scan# 1139
Delta R.T. -0.063 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

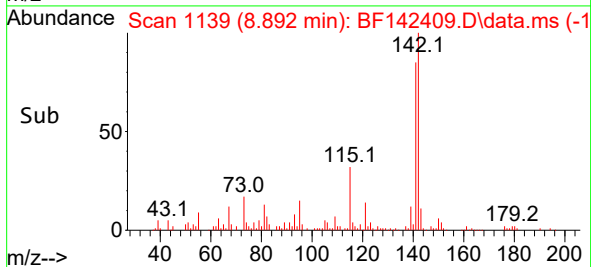
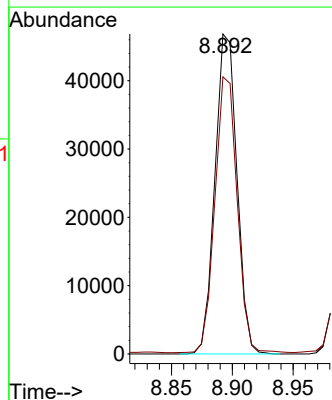
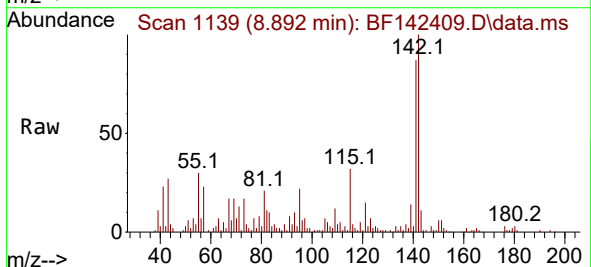
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

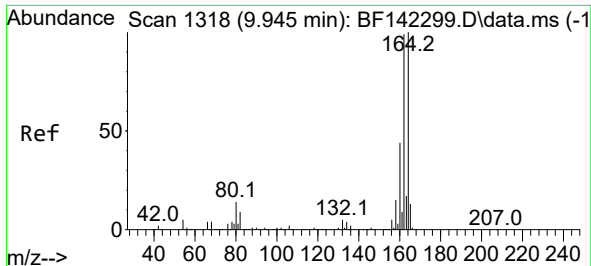
Tgt Ion:127 Resp: 30744
Ion Ratio Lower Upper
127 100
129 84.0 25.7 38.5#
65 52.0 24.9 37.3#
92 183.7 14.9 22.3#



#37
2-Methylnaphthalene
Concen: 2.833 ng
RT: 8.892 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:142 Resp: 58948
Ion Ratio Lower Upper
142 100
141 86.6 69.4 104.2

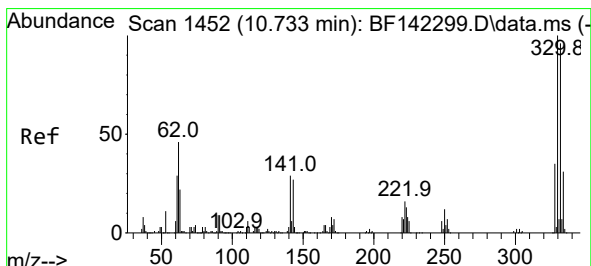
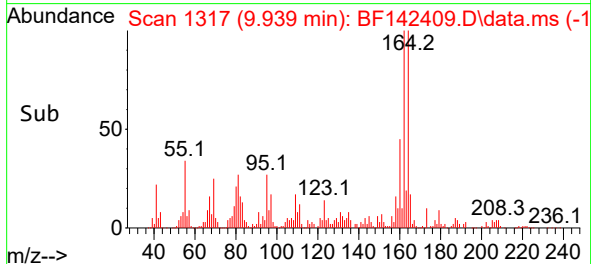
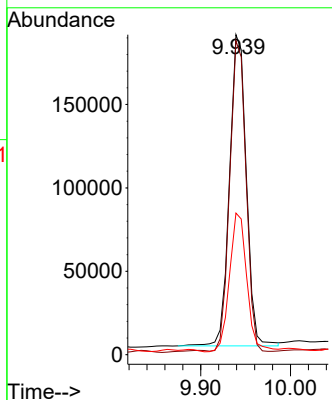
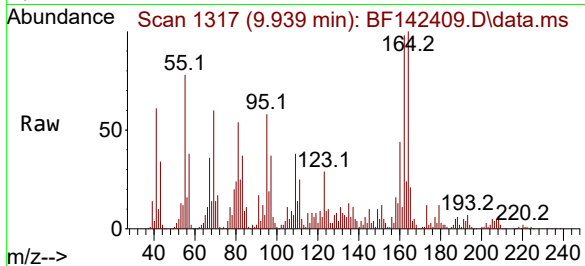




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

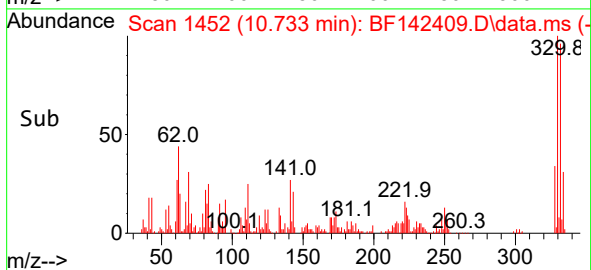
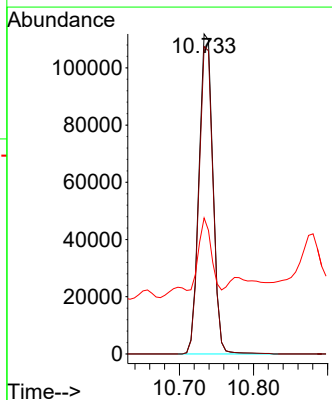
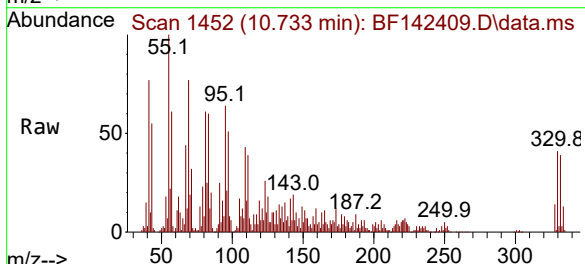
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

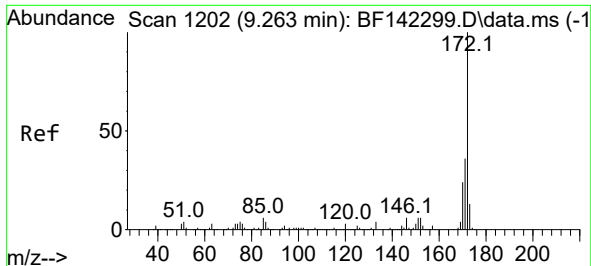
Tgt Ion:164 Resp: 242534
Ion Ratio Lower Upper
164 100
162 98.1 79.2 118.8
160 44.3 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 62.649 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:330 Resp: 146700
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 19.6 24.9 37.3#

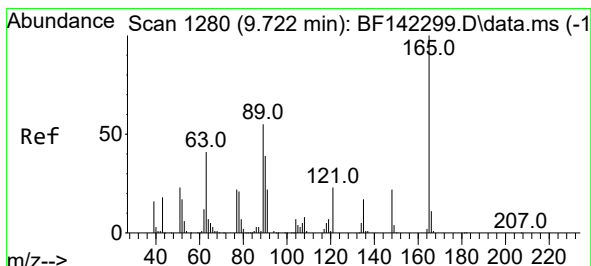
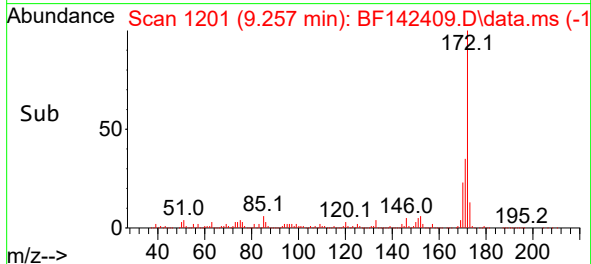
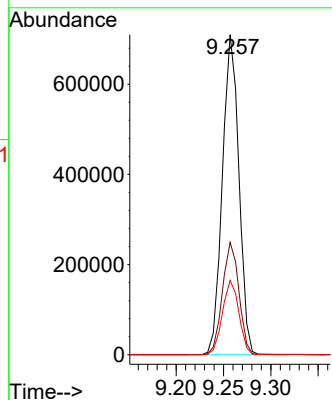
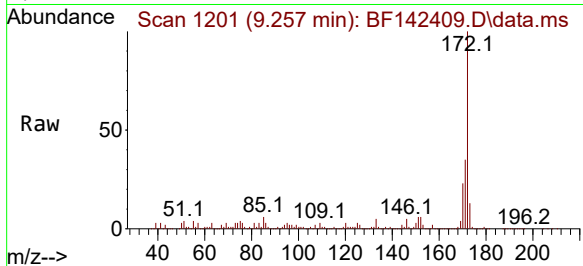




#45
2-Fluorobiphenyl
Concen: 50.694 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

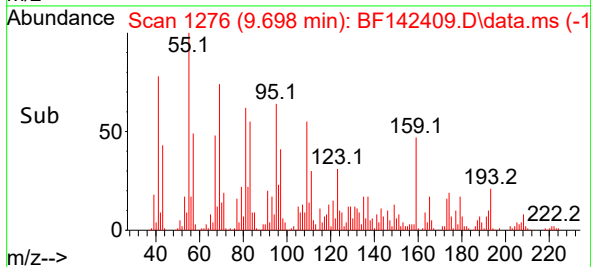
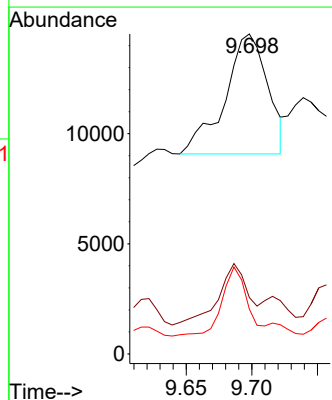
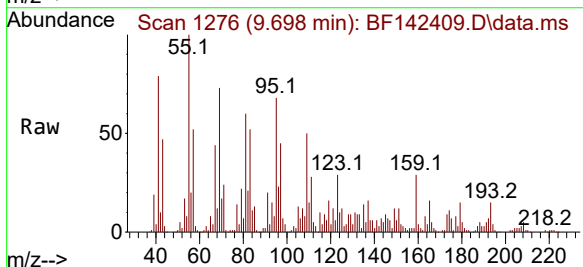
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

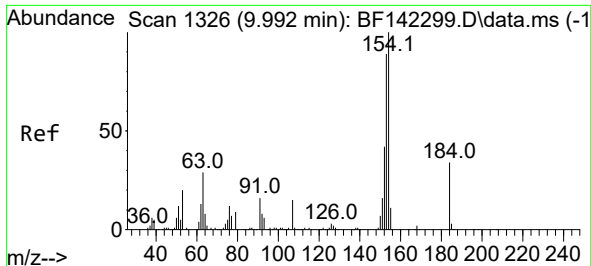
Tgt Ion:172 Resp: 862285
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 4.249 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.024 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:165 Resp: 12385
Ion Ratio Lower Upper
165 100
63 17.7 49.5 74.3#
89 14.0 44.6 66.8#

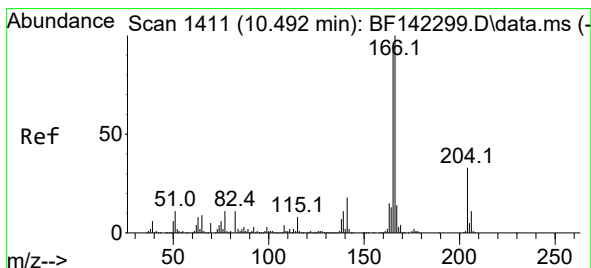
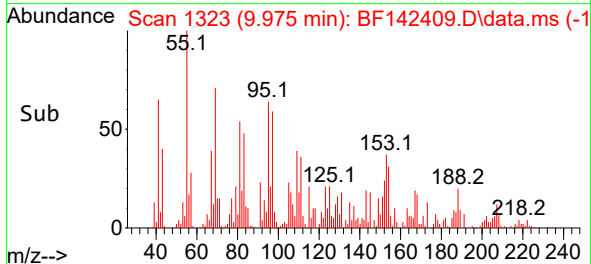
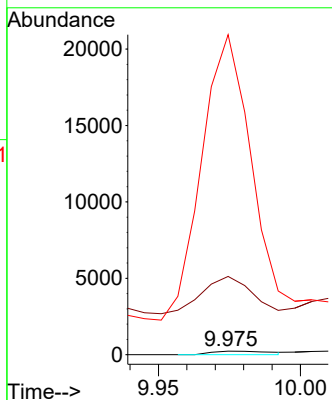
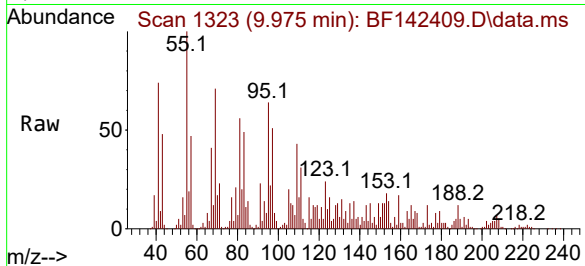




#54
2,4-Dinitrophenol
Concen: 7.859 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

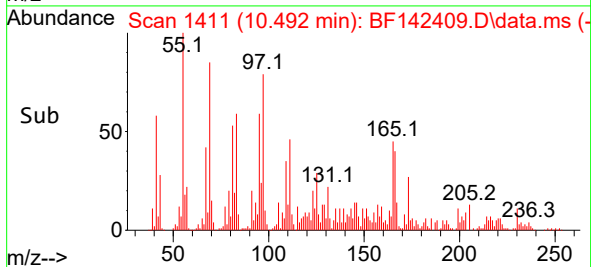
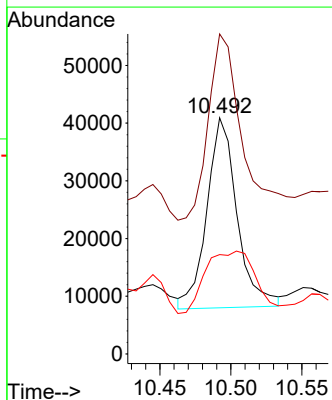
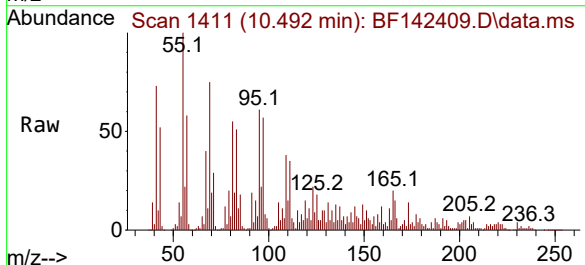
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

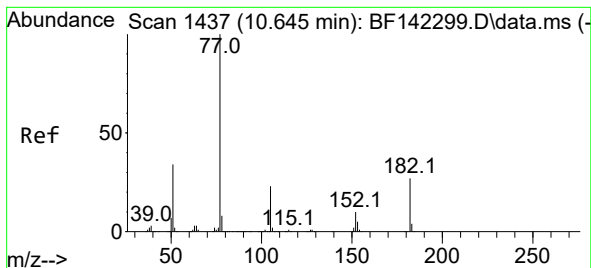
Tgt Ion:184 Resp: 332
Ion Ratio Lower Upper
184 100
63 2246.1 70.6 105.8#
154 9186.0 257.2 385.8#



#58
Fluorene
Concen: 3.106 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:166 Resp: 48661
Ion Ratio Lower Upper
166 100
165 135.5 74.0 111.0#
167 42.1 10.9 16.3#





#63

Azobenzene

Concen: 3.523 ng

RT: 10.657 min Scan# 1439

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

Tgt Ion: 77 Resp: 52362

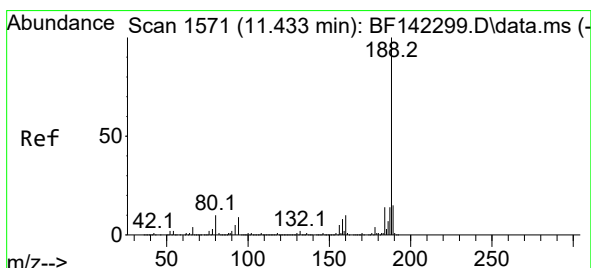
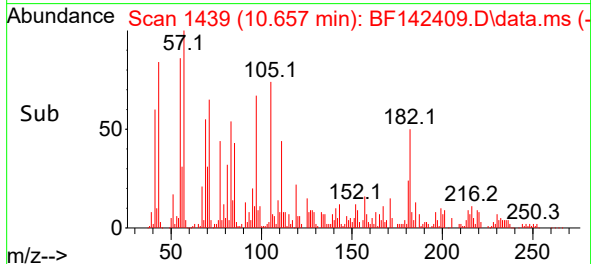
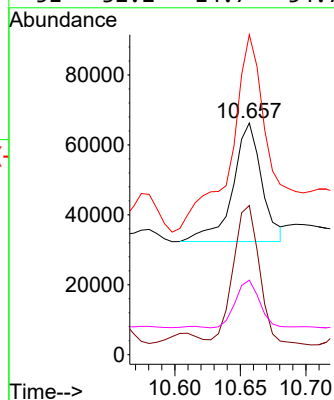
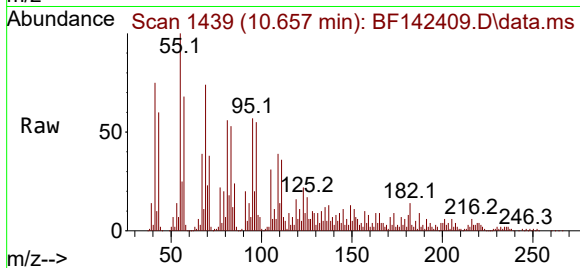
Ion Ratio Lower Upper

77 100

182 64.4 6.9 46.9#

105 138.1 2.7 42.7#

51 32.2 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1573

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

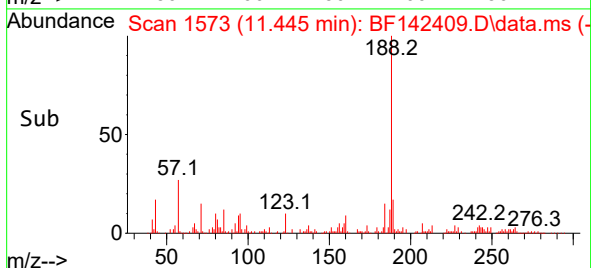
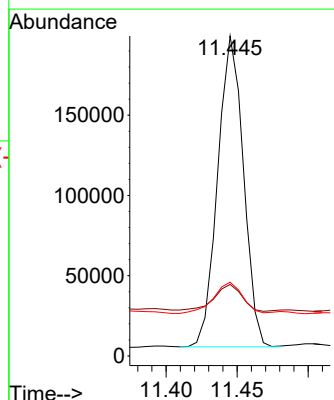
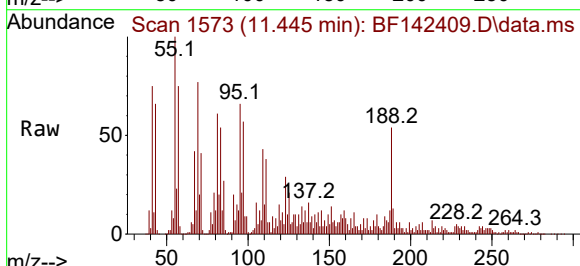
Tgt Ion:188 Resp: 244478

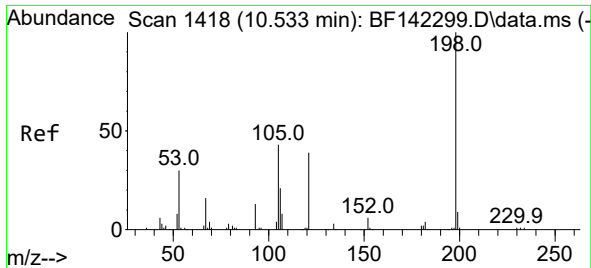
Ion Ratio Lower Upper

188 100

94 22.3 7.5 11.3#

80 23.1 7.9 11.9#

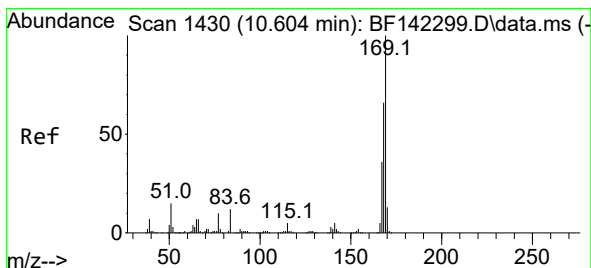
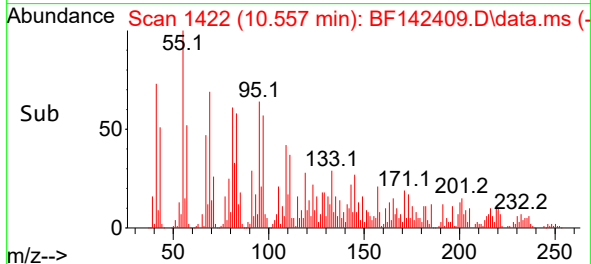
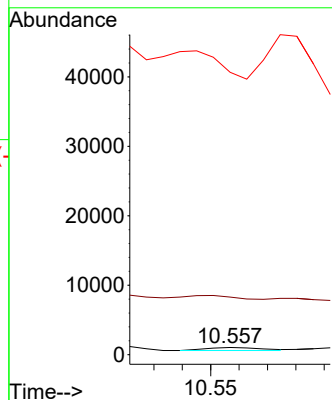
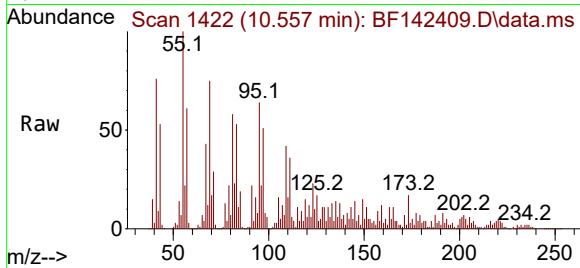




#65
4,6-Dinitro-2-methylphenol
Concen: 7.652 ng
RT: 10.557 min Scan# 1418
Delta R.T. 0.024 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

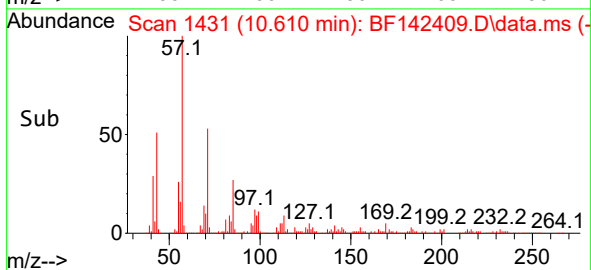
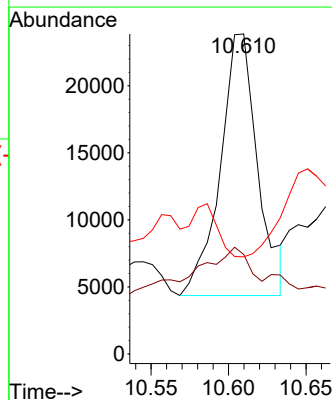
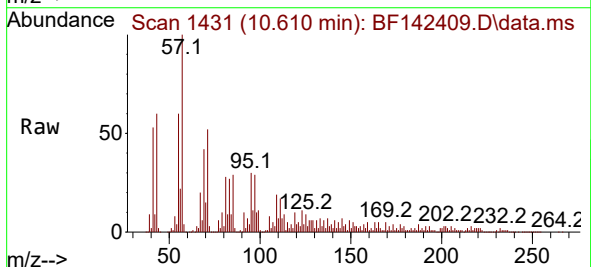
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

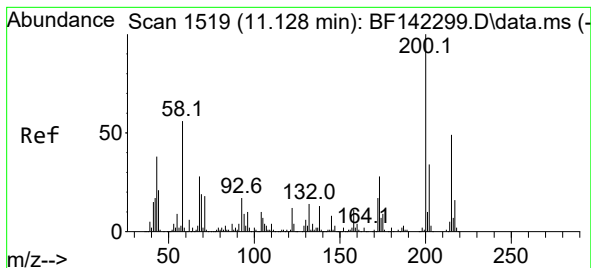
Tgt Ion:198 Resp: 626
Ion Ratio Lower Upper
198 100
51 793.1 32.9 72.9#
105 3886.8 23.7 63.7#



#66
n-Nitrosodiphenylamine
Concen: 4.035 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:169 Resp: 32824
Ion Ratio Lower Upper
169 100
168 31.1 53.2 79.8#
167 30.4 28.9 43.3





#69

Atrazine

Concen: 2.600 ng

RT: 11.139 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

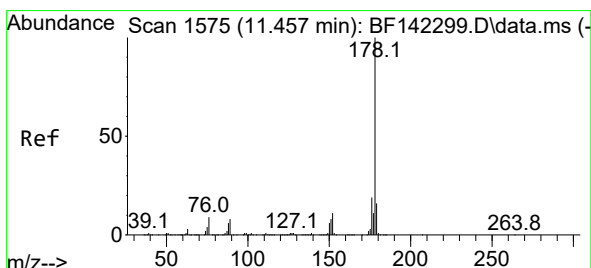
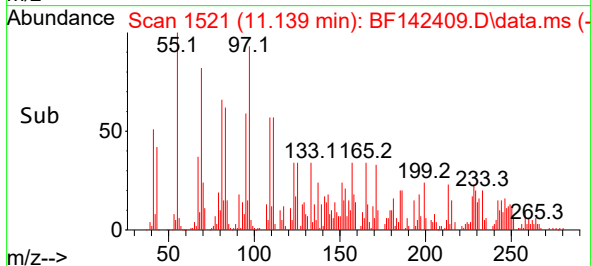
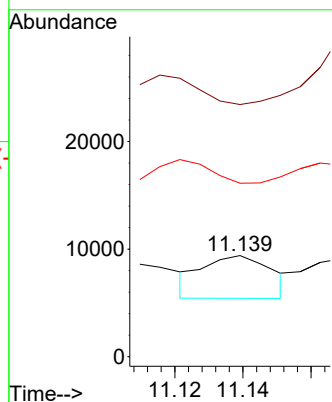
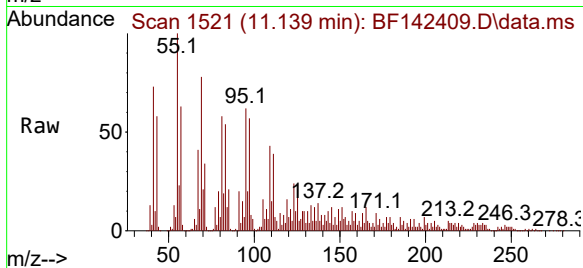
Tgt Ion:200 Resp: 5576

Ion Ratio Lower Upper

200 100

173 249.4 8.1 48.1#

215 171.6 28.8 68.8#



#71

Phenanthrene

Concen: 22.144 ng

RT: 11.469 min Scan# 1577

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

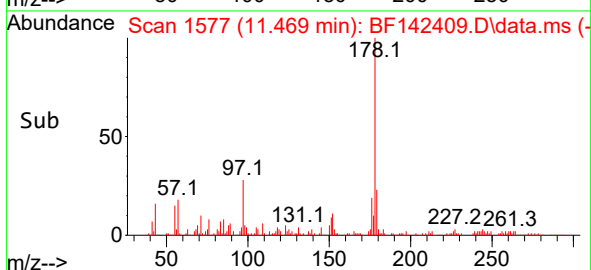
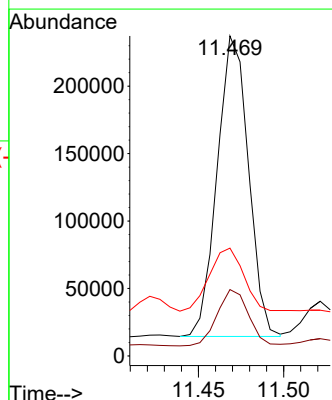
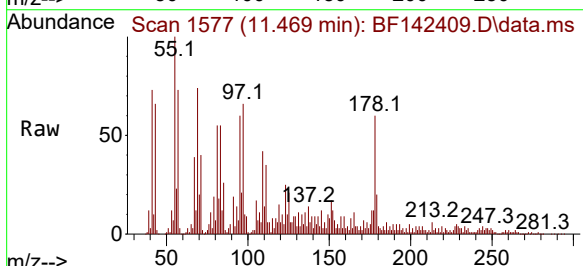
Tgt Ion:178 Resp: 283775

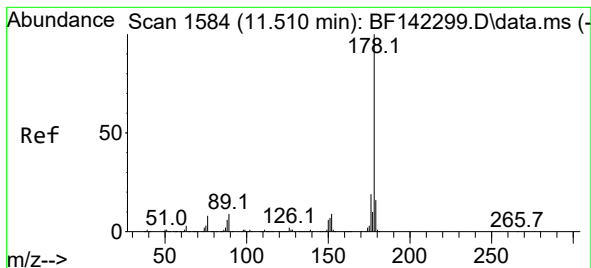
Ion Ratio Lower Upper

178 100

176 20.8 15.5 23.3

179 33.7 12.6 18.8#





#72

Anthracene

Concen: 2.204 ng

RT: 11.521 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

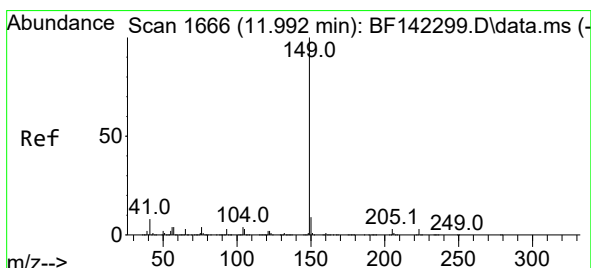
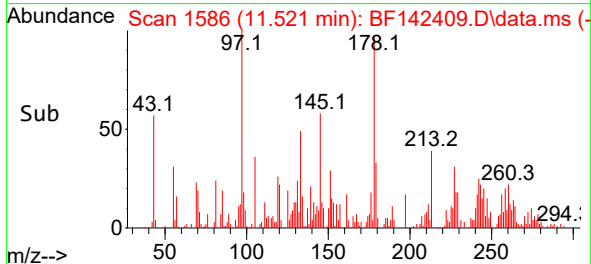
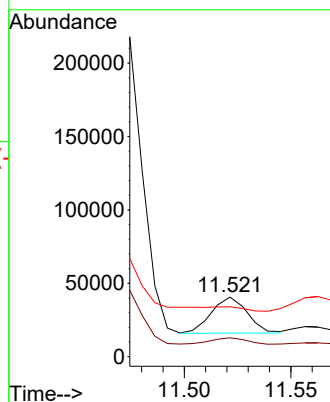
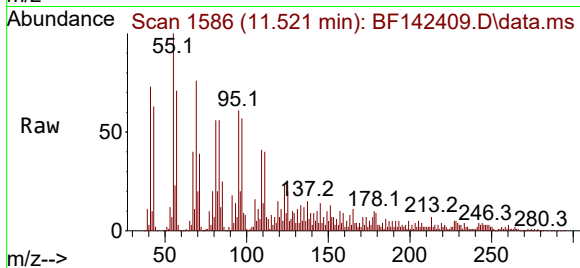
Tgt Ion:178 Resp: 29027

Ion Ratio Lower Upper

178 100

176 31.7 15.3 22.9#

179 83.8 12.6 18.8#



#74

Di-n-butylphthalate

Concen: 3.160 ng

RT: 12.004 min Scan# 1668

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

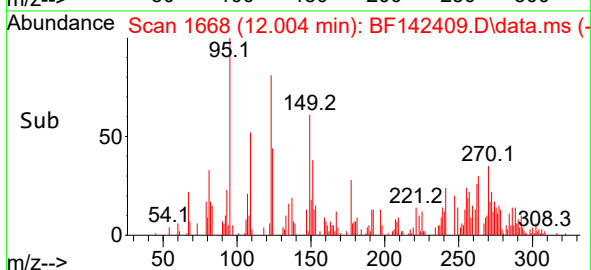
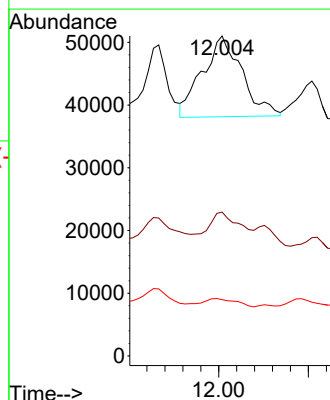
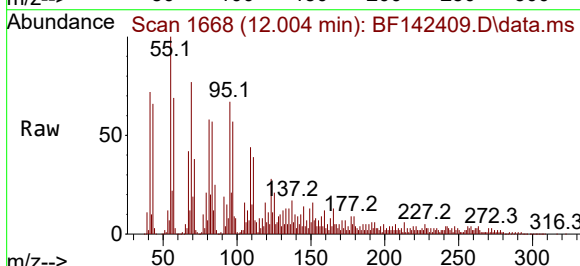
Tgt Ion:149 Resp: 39251

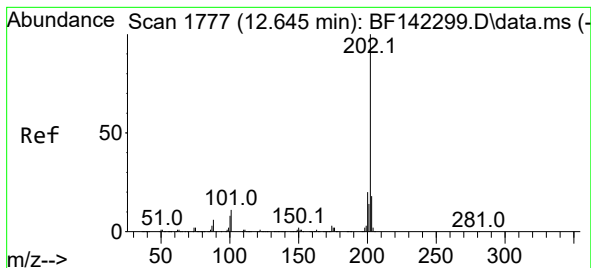
Ion Ratio Lower Upper

149 100

150 44.9 7.5 11.3#

104 17.6 3.6 5.4#





#75

Fluoranthene

Concen: 11.466 ng

RT: 12.668 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

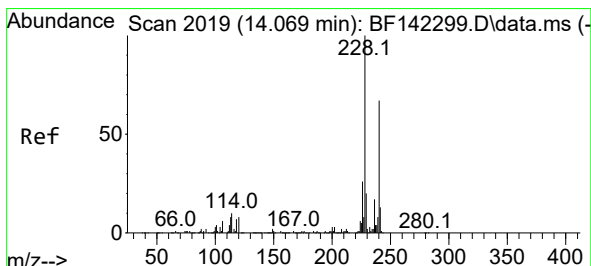
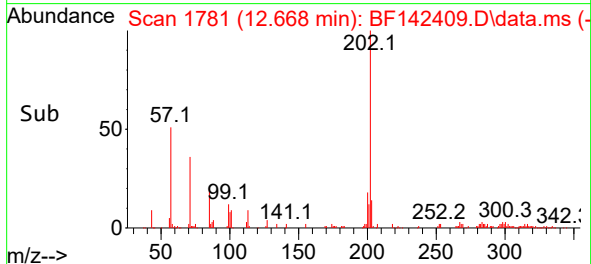
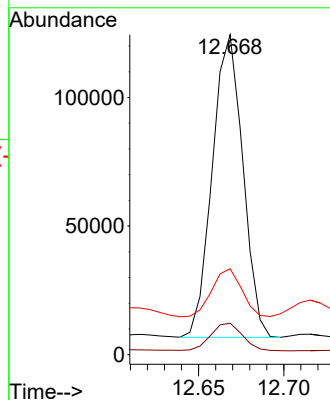
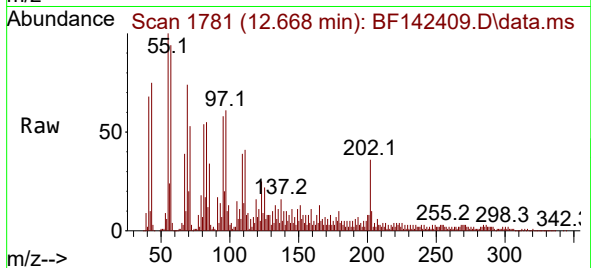
Tgt Ion:202 Resp: 146880

Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.4

203 26.8 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

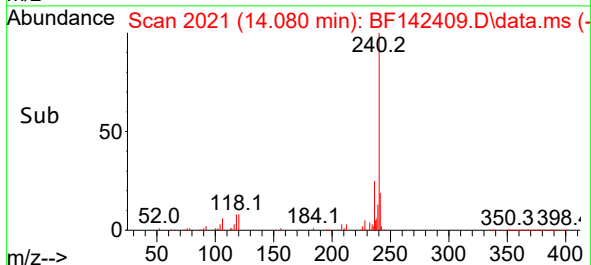
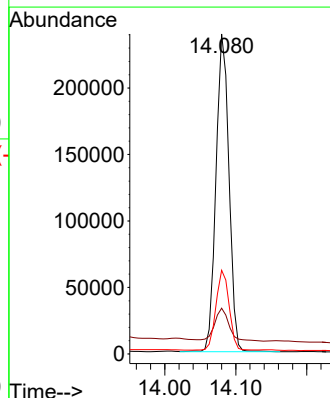
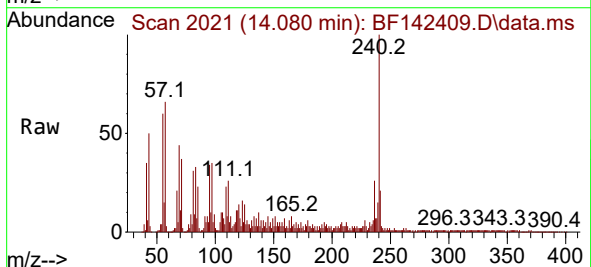
Tgt Ion:240 Resp: 303055

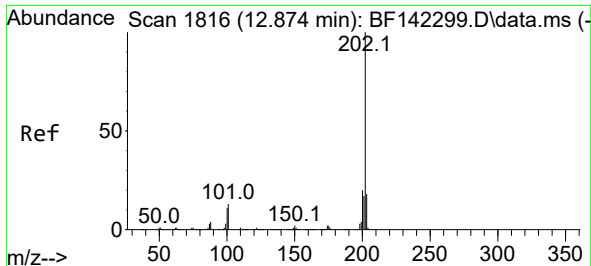
Ion Ratio Lower Upper

240 100

120 14.3 9.7 14.5

236 26.2 20.0 30.0

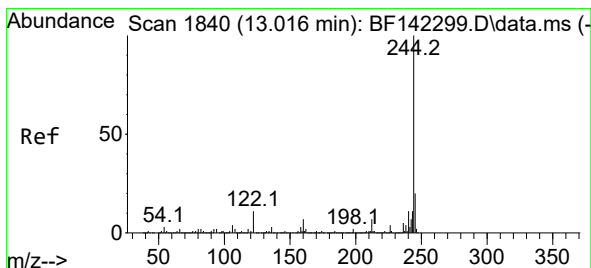
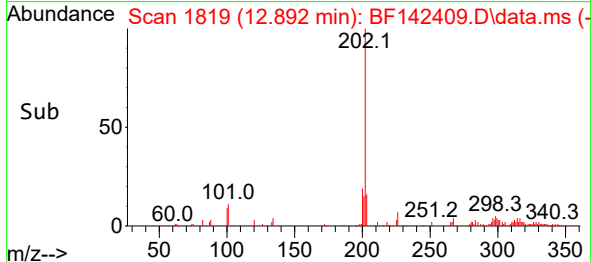
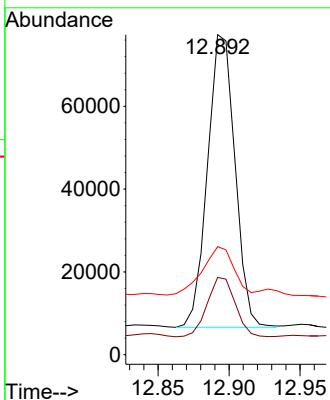
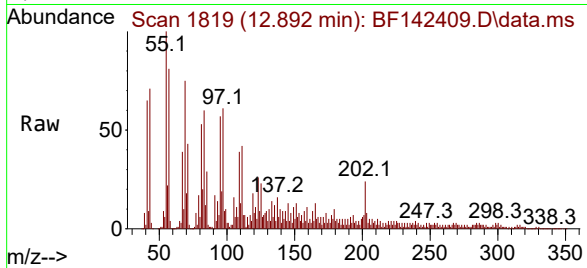




#78
Pyrene
Concen: 3.534 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.017 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

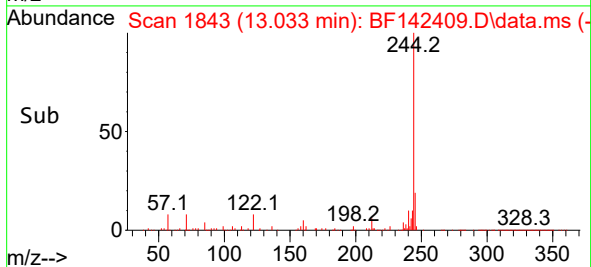
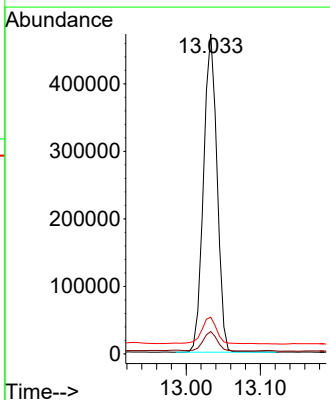
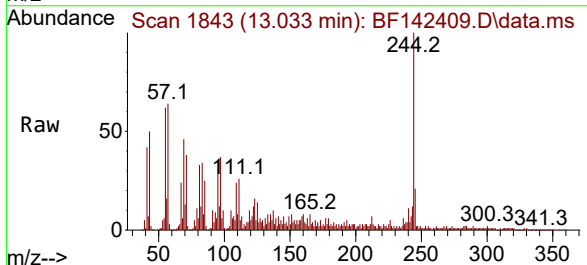
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

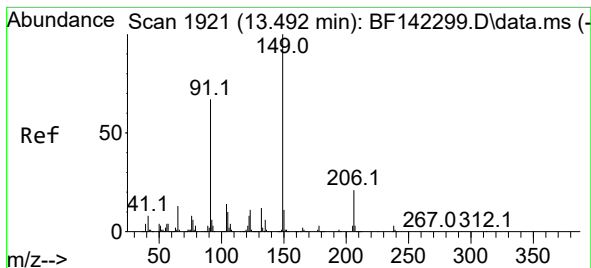
Tgt Ion:202 Resp: 95324
Ion Ratio Lower Upper
202 100
200 24.1 16.2 24.4
203 33.7 14.3 21.5#



#79
Terphenyl-d14
Concen: 29.120 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.017 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:244 Resp: 596243
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.5 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.950 ng

RT: 13.545 min Scan# 1921

Delta R.T. 0.053 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

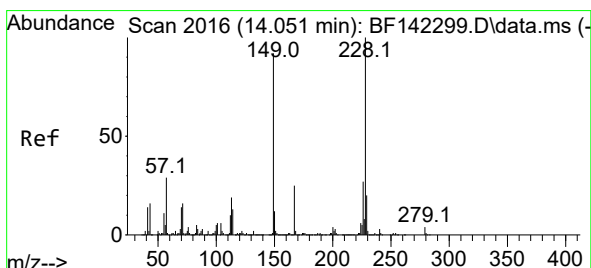
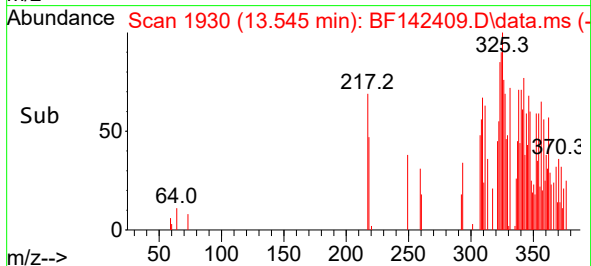
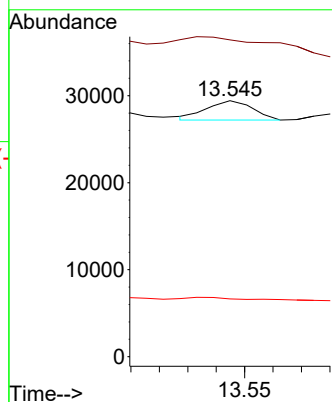
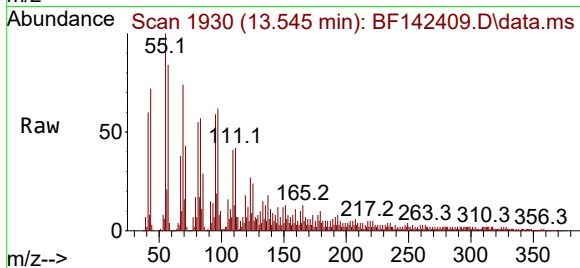
Tgt Ion:149 Resp: 2481

Ion Ratio Lower Upper

149 100

91 123.8 53.8 80.6#

206 22.6 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.475 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

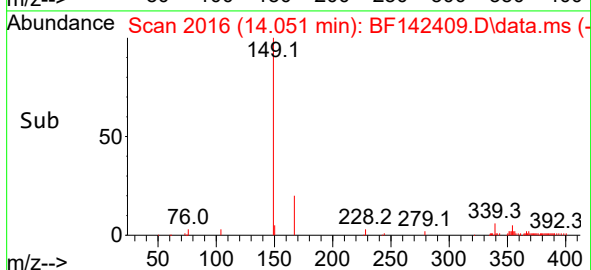
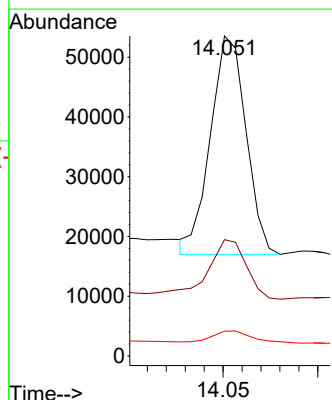
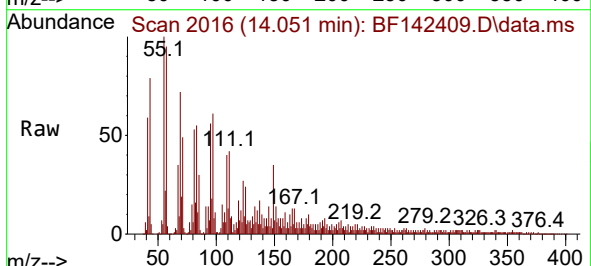
Tgt Ion:149 Resp: 47654

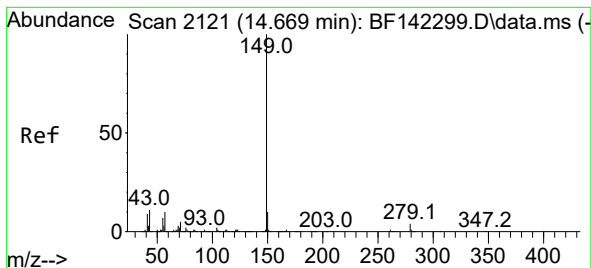
Ion Ratio Lower Upper

149 100

167 36.3 22.0 33.0#

279 7.8 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 8.066 ng

RT: 14.692 min Scan# 2125

Delta R.T. 0.023 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

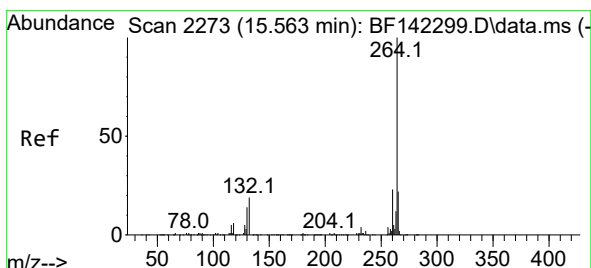
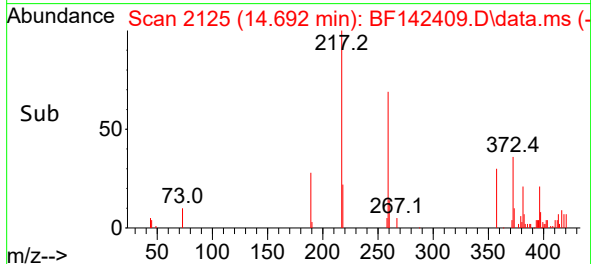
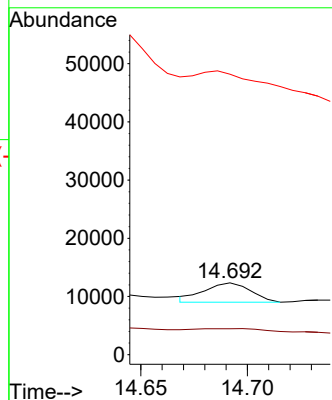
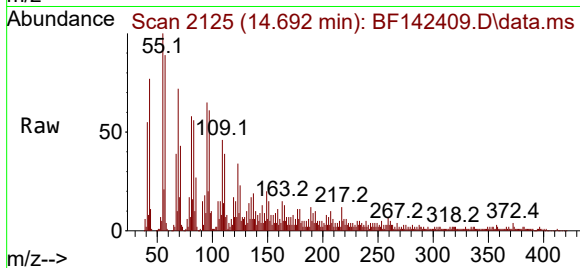
Tgt Ion:149 Resp: 5004

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Tgt Ion:264 Resp: 241133

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 17.5 26.3

