

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141509.D
 Acq On : 07 Feb 2025 15:58
 Operator : RC/JU
 Sample : Q1304-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21140

Quant Time: Feb 07 16:47:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79850	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	298724	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	132071	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	125915	20.000	ng	# 0.05
76) Chrysene-d12	14.015	240	126606	20.000	ng	# 0.05
86) Perylene-d12	15.468	264	120663	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	353533	69.411	ng	0.00
7) Phenol-d6	6.422	99	450201	69.934	ng	-0.02
23) Nitrobenzene-d5	7.345	82	289072	50.473	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	84610	63.774	ng	0.02
45) 2-Fluorobiphenyl	9.151	172	467516	54.537	ng	0.00
79) Terphenyl-d14	12.957	244	315900	42.122	ng	0.05
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	40762	10.586	ng	# 76
25) Isophorone	7.345	82	277920	30.434	ng	# 66
37) 2-Methylnaphthalene	8.786	142	22009	2.175	ng	99
51) 2,6-Dinitrotoluene	9.592	165	55373	28.251	ng	# 30
53) 3-Nitroaniline	9.792	138	5971	2.830	ng	# 35
56) 4-Nitrophenol	9.980	139	12633	8.067	ng	# 1
60) Diethylphthalate	10.263	149	41432	4.697	ng	# 38
62) 4-Nitroaniline	10.457	138	8789	4.103	ng	# 37
63) Azobenzene	10.557	77	26027	2.968	ng	# 45
66) n-Nitrosodiphenylamine	10.527	169	17526	4.348	ng	# 68
69) Atrazine	11.080	200	34523	28.550	ng	# 1
71) Phenanthrene	11.386	178	37729	5.443	ng	# 1
74) Di-n-butylphthalate	11.921	149	25402	3.509	ng	# 31
75) Fluoranthene	12.592	202	50365	6.854	ng	# 32
78) Pyrene	12.821	202	50957	4.728	ng	# 50
80) Butylbenzylphthalate	13.386	149	13024	3.489	ng	# 55
81) Benzo(a)anthracene	14.010	228	24455	2.906	ng	# 53
82) 3,3'-Dichlorobenzidine	13.992	252	7065	2.931	ng	# 1
83) Chrysene	14.039	228	27797	3.577	ng	# 64
84) Bis(2-ethylhexyl)phtha...	13.986	149	135321	32.140	ng	# 78
85) Di-n-octyl phthalate	14.639	149	13889	2.312	ng	# 72
88) Benzo(b)fluoranthene	15.051	252	45501	5.616	ng	# 1
89) Benzo(k)fluoranthene	15.051	252	45501	6.577	ng	# 1
90) Benzo(a)pyrene	15.404	252	18695	2.852	ng	# 1

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

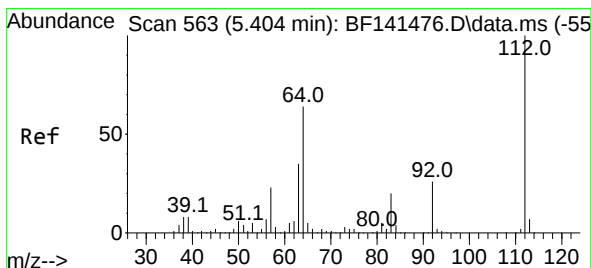
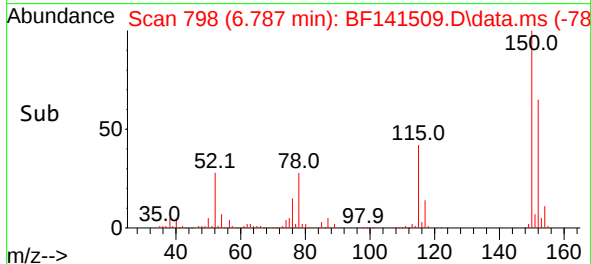
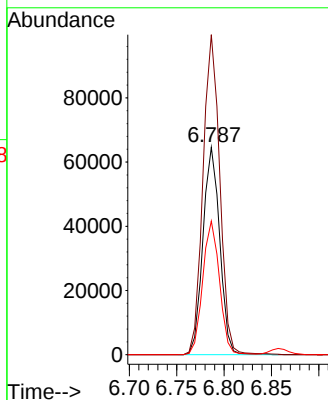
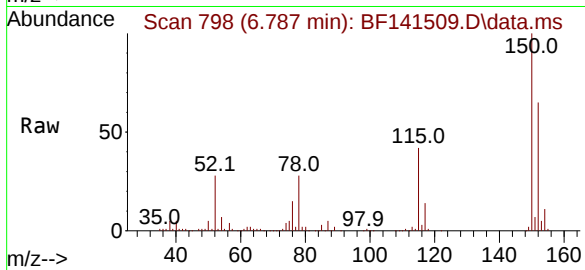




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141509.D
 Acq: 07 Feb 2025 15:58

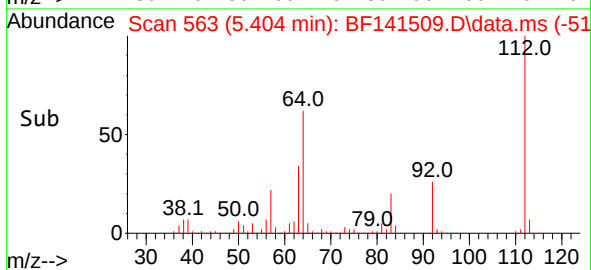
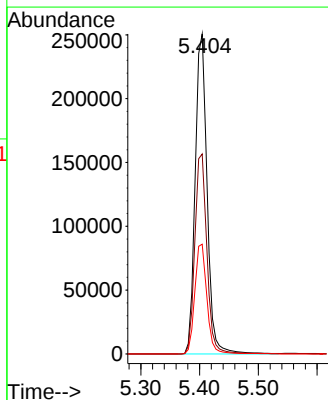
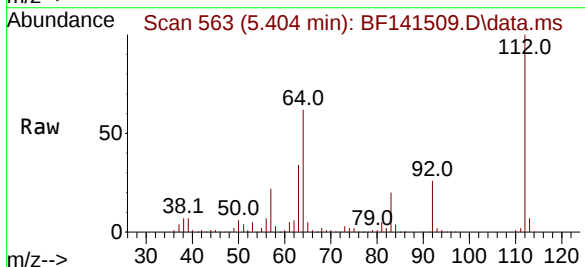
Instrument :
 BNA_F
 ClientSampleId :
 RB21140

Tgt Ion:152 Resp: 79850
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.0 187.4
 115 64.4 53.6 80.4



#5
 2-Fluorophenol
 Concen: 69.411 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141509.D
 Acq: 07 Feb 2025 15:58

Tgt Ion:112 Resp: 353533
 Ion Ratio Lower Upper
 112 100
 64 62.5 51.1 76.7
 63 34.3 28.4 42.6





#7
Phenol-d6
Concen: 69.934 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

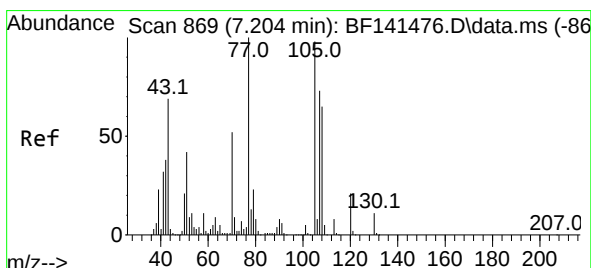
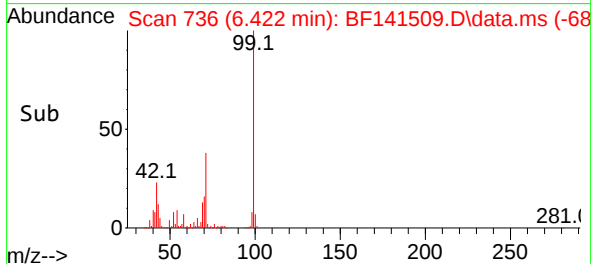
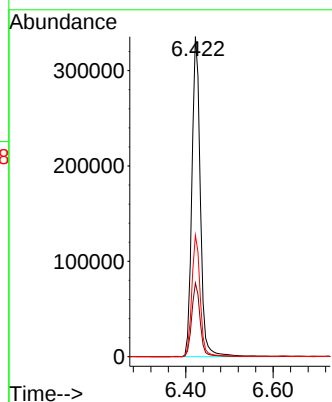
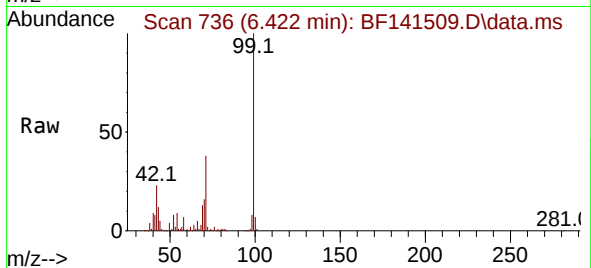
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BNA_F

ClientSampleId :

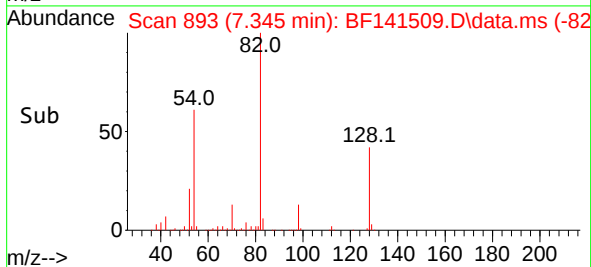
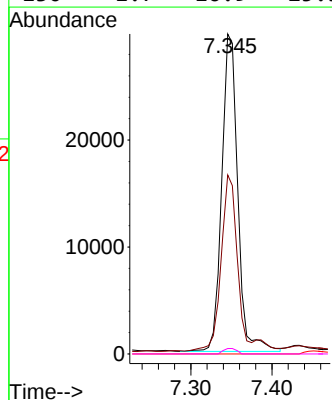
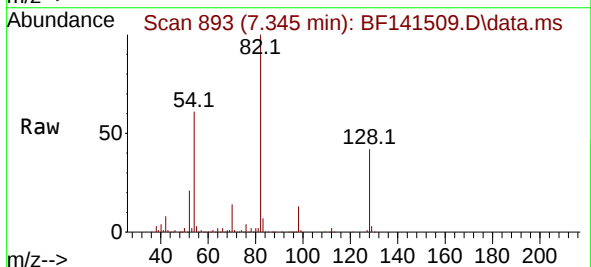
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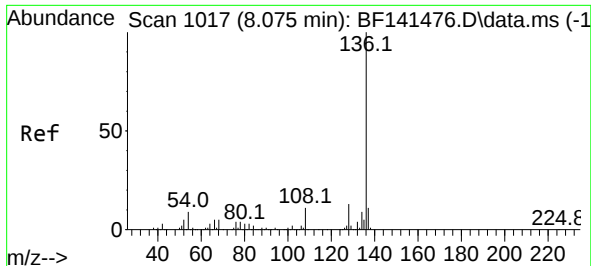
Tgt Ion: 99 Resp: 450201
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.586 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion: 70 Resp: 40762
Ion Ratio Lower Upper
70 100
42 55.9 57.4 86.2#
101 0.0 8.0 12.0#
130 1.7 16.9 25.3#



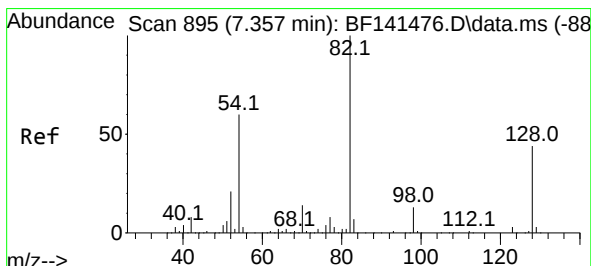
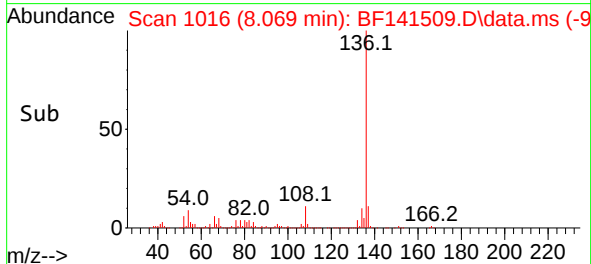
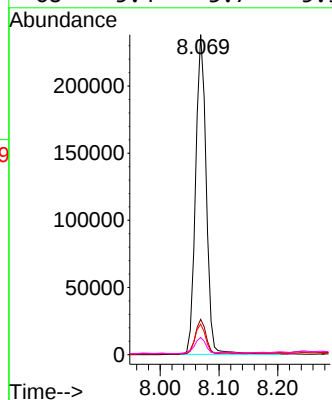
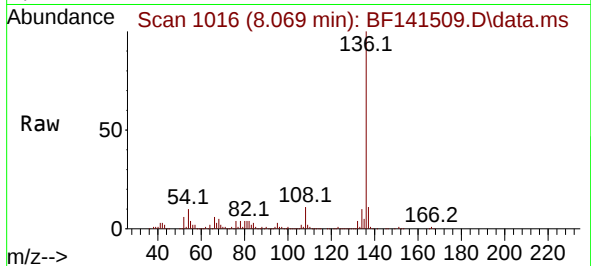


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
RB21140

Tgt Ion:136 Resp: 298724

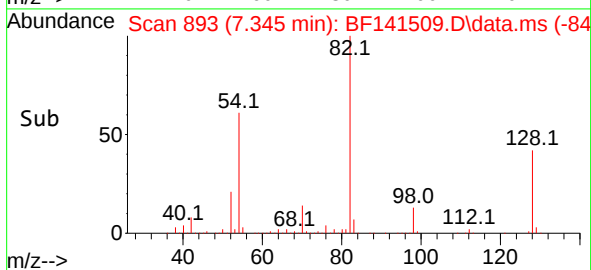
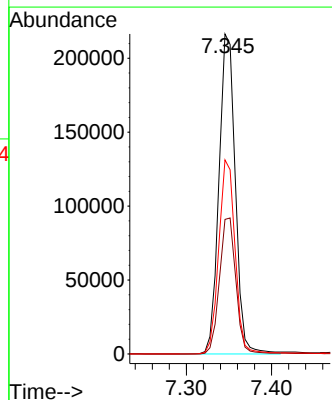
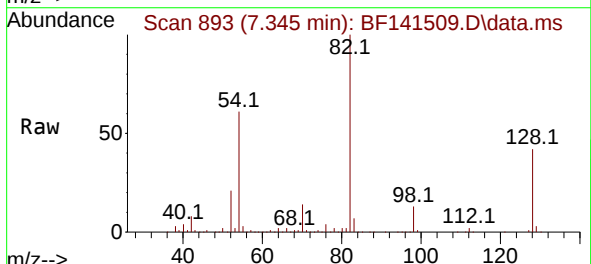
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.5	7.2	10.8
68	5.4	3.7	5.5

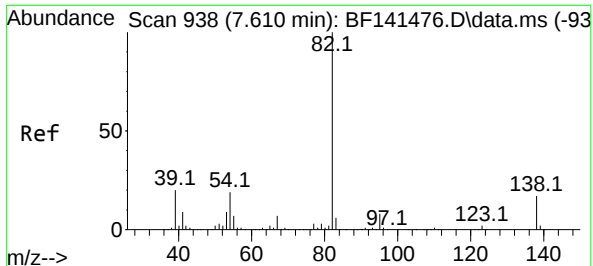


#23
Nitrobenzene-d5
Concen: 50.473 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion: 82 Resp: 289072

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.8	52.2
54	60.7	48.2	72.4

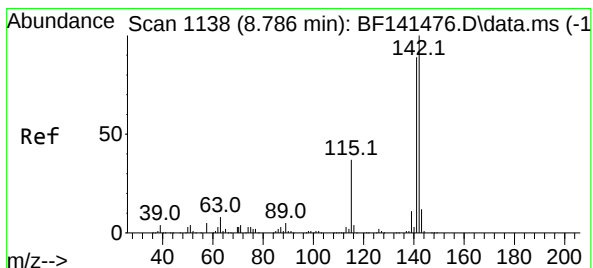
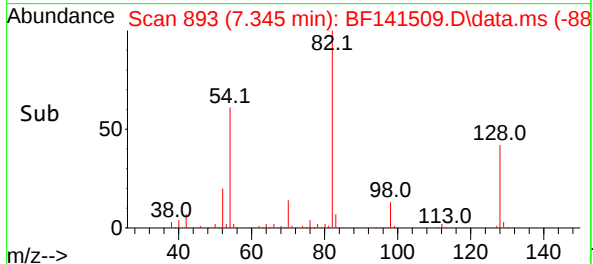
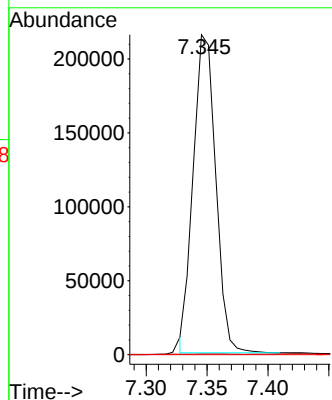
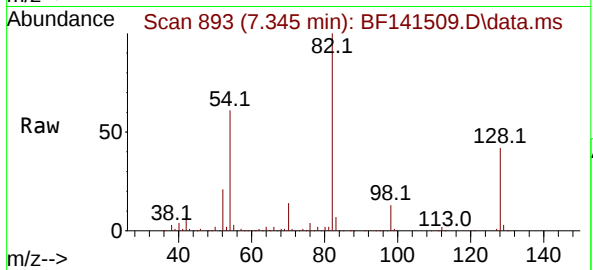




#25
Isophorone
Concen: 30.434 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

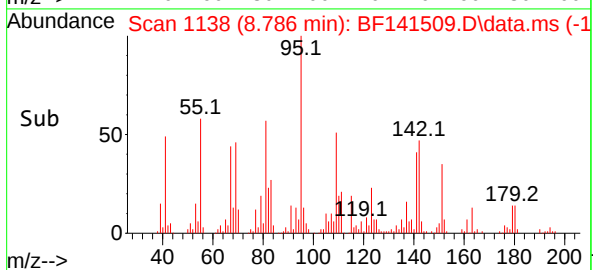
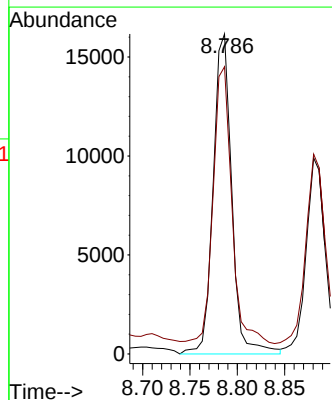
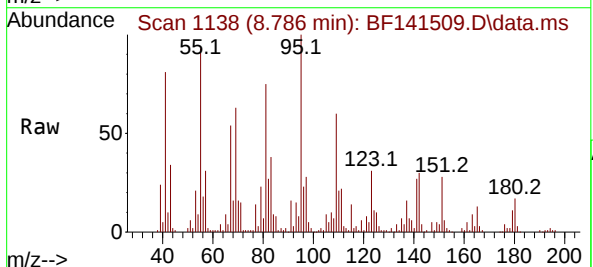
Instrument :
BNA_F
ClientSampleId :
RB21140

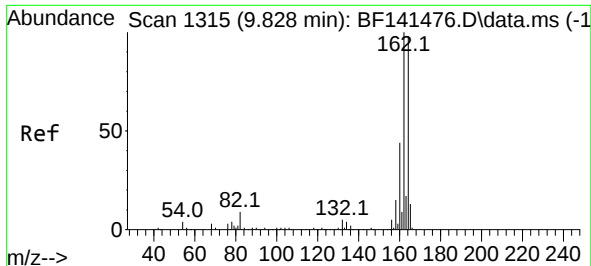
Tgt Ion: 82 Resp: 277920
Ion Ratio Lower Upper
82 100
95 0.2 6.4 9.6#
138 0.0 13.9 20.9#



#37
2-Methylnaphthalene
Concen: 2.175 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:142 Resp: 22009
Ion Ratio Lower Upper
142 100
141 89.8 71.2 106.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

RB21140

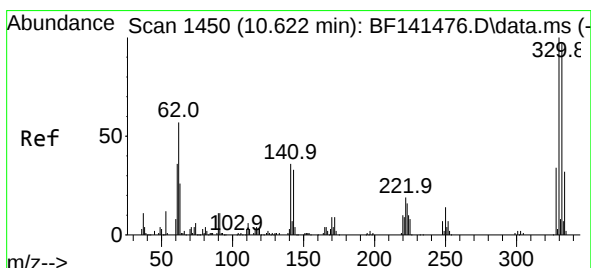
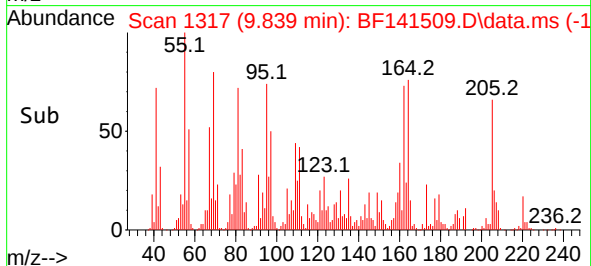
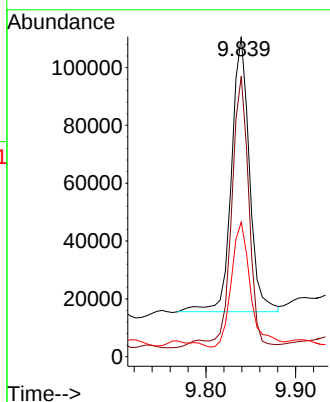
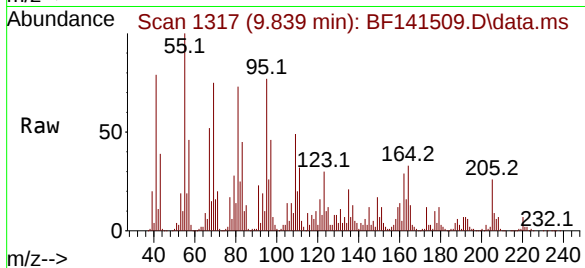
Tgt Ion:164 Resp: 132071

Ion Ratio Lower Upper

164 100

162 87.6 81.3 121.9

160 42.1 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 63.774 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.018 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

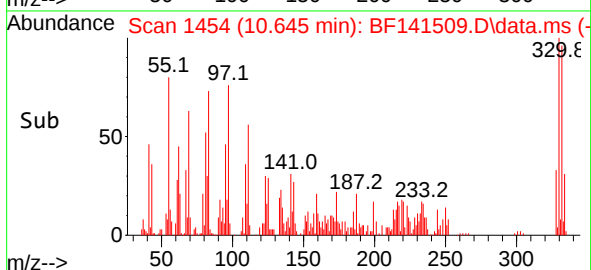
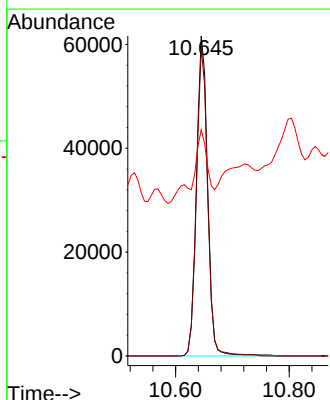
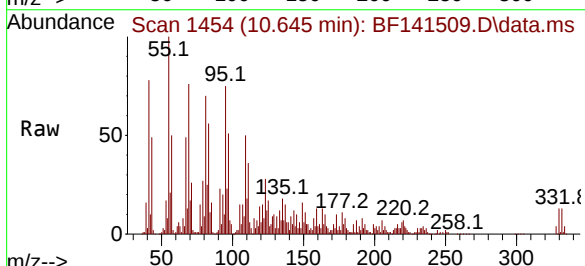
Tgt Ion:330 Resp: 84610

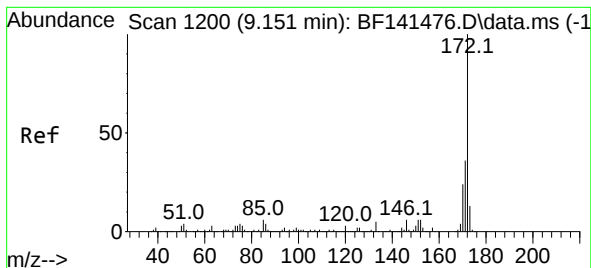
Ion Ratio Lower Upper

330 100

332 96.1 78.5 117.7

141 15.5 31.0 46.4#





#45

2-Fluorobiphenyl

Concen: 54.537 ng

RT: 9.151 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

RB21140

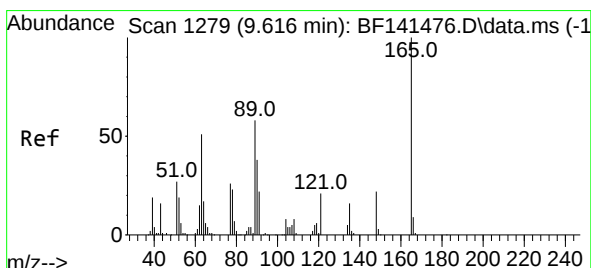
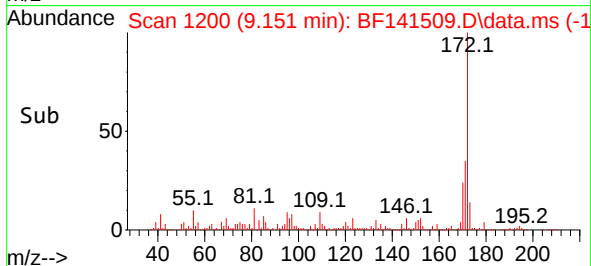
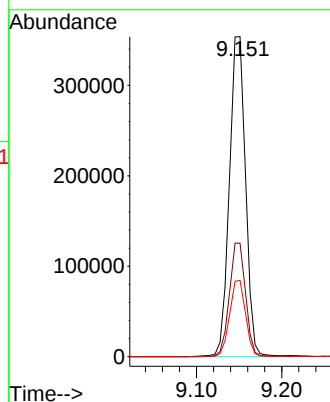
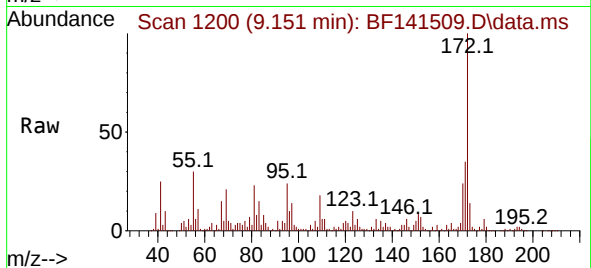
Tgt Ion:172 Resp: 467516

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.8 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 28.251 ng

RT: 9.592 min Scan# 1275

Delta R.T. -0.029 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

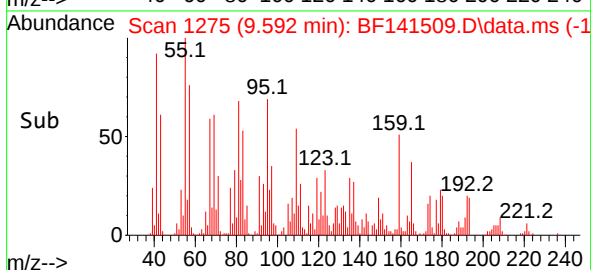
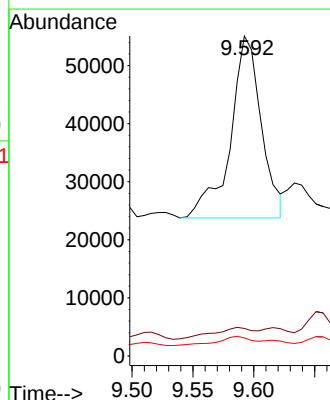
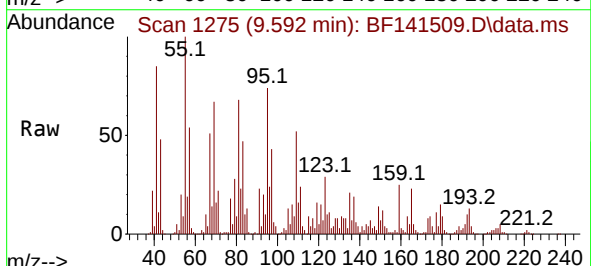
Tgt Ion:165 Resp: 55373

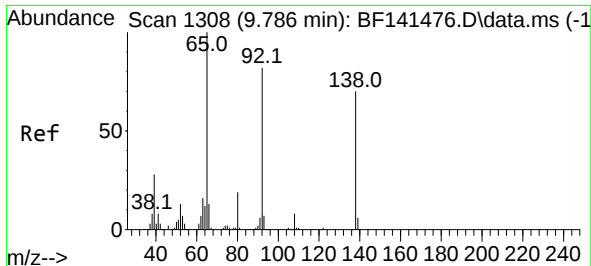
Ion Ratio Lower Upper

165 100

63 8.6 49.4 74.0#

89 5.7 46.5 69.7#

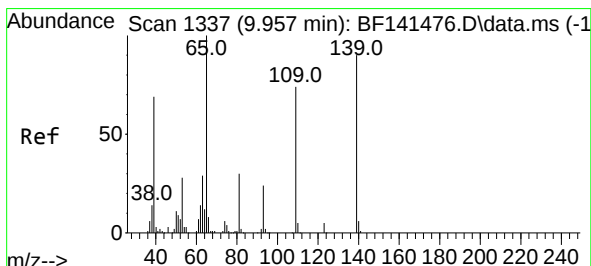
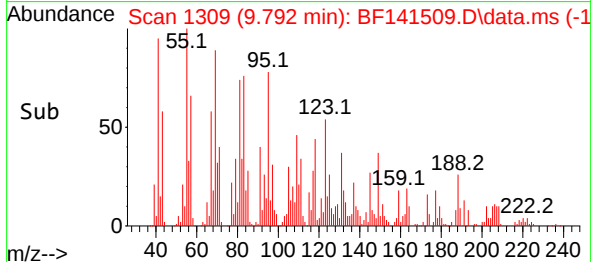
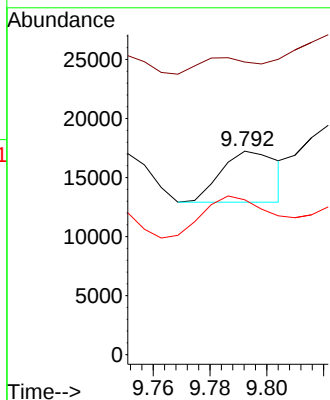
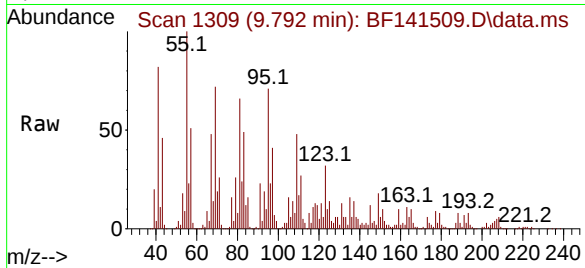




#53
3-Nitroaniline
Concen: 2.830 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

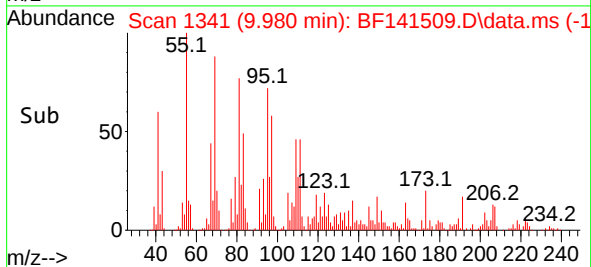
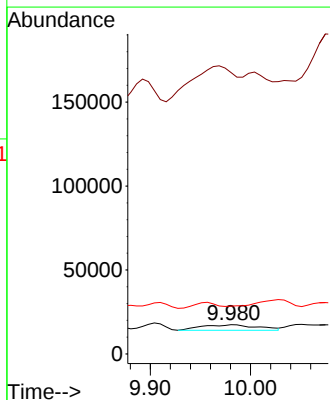
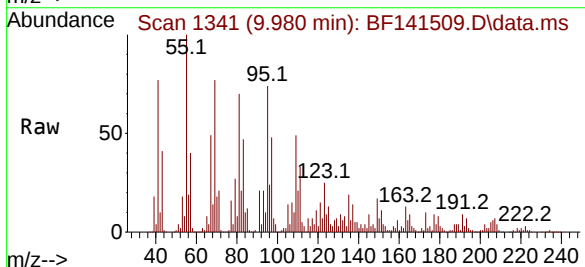
Instrument :
BNA_F
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RB21140

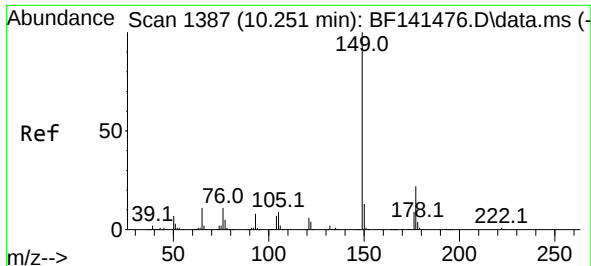
Tgt Ion:138 Resp: 5971
Ion Ratio Lower Upper
138 100
108 143.8 9.0 13.4#
92 76.1 93.7 140.5#



#56
4-Nitrophenol
Concen: 8.067 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:139 Resp: 12633
Ion Ratio Lower Upper
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65 163.5 91.2 131.2#

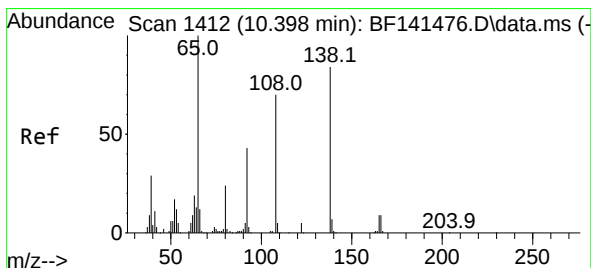
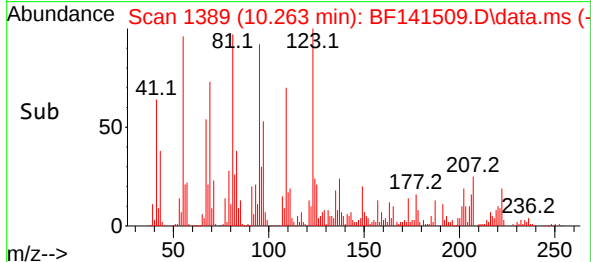
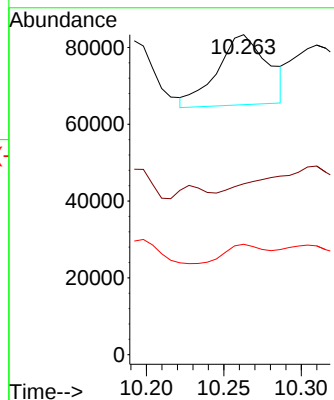
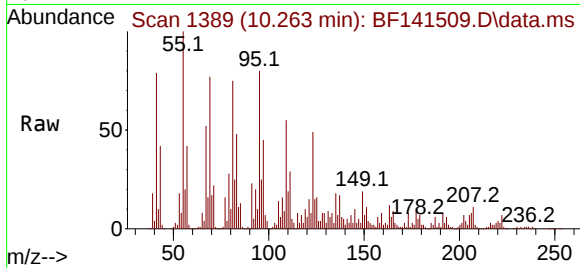




#60
Diethylphthalate
Concen: 4.697 ng
RT: 10.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

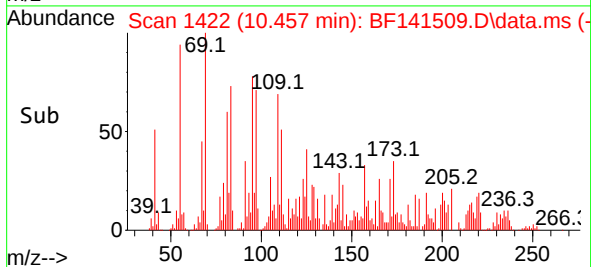
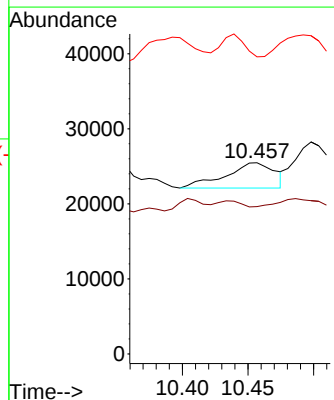
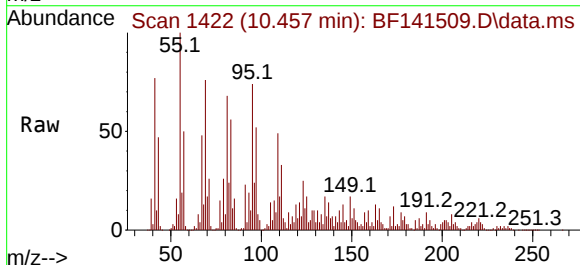
Instrument :
BNA_F
ClientSampleId :
RB21140

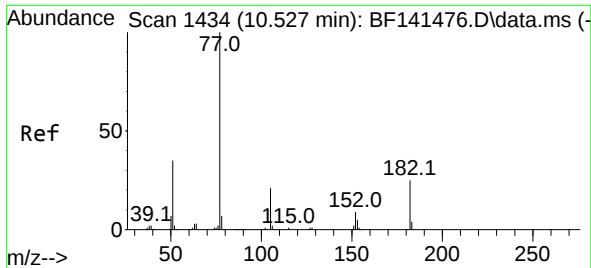
Tgt Ion:149 Resp: 41432
Ion Ratio Lower Upper
149 100
177 53.4 17.8 26.6#
150 34.5 10.1 15.1#



#62
4-Nitroaniline
Concen: 4.103 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.041 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:138 Resp: 8789
Ion Ratio Lower Upper
138 100
92 77.1 31.3 71.3#
108 155.5 63.7 103.7#

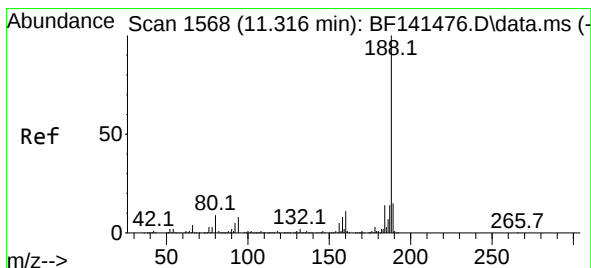
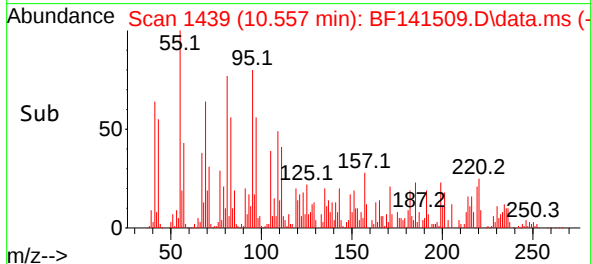
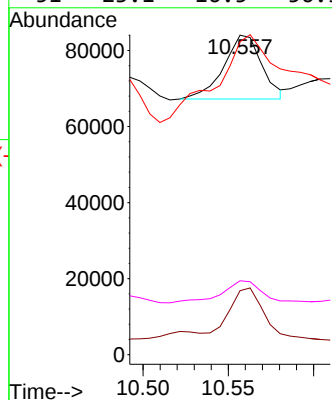
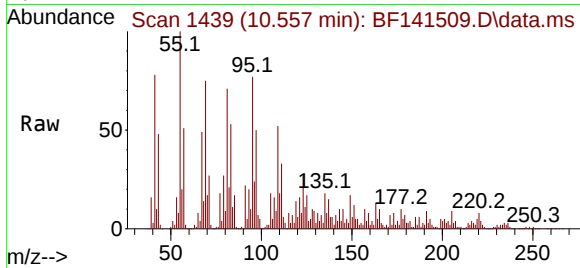




#63
Azobenzene
Concen: 2.968 ng
RT: 10.557 min Scan# 1434
Delta R.T. 0.024 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

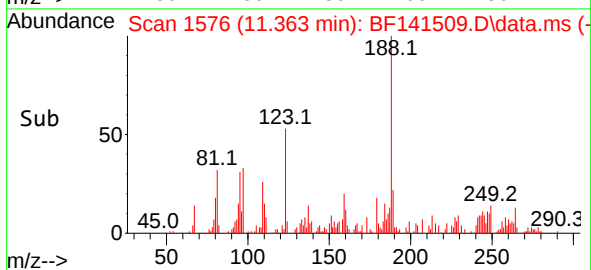
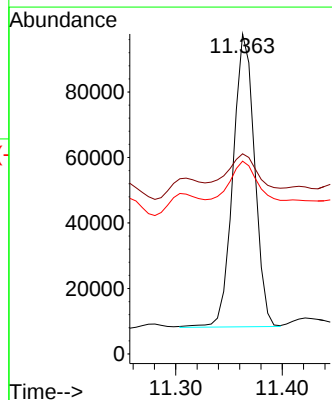
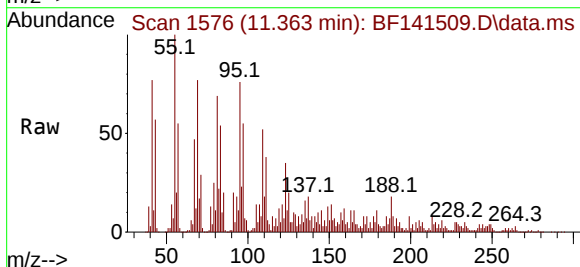
Instrument :
BNA_F
ClientSampleId :
RB21140

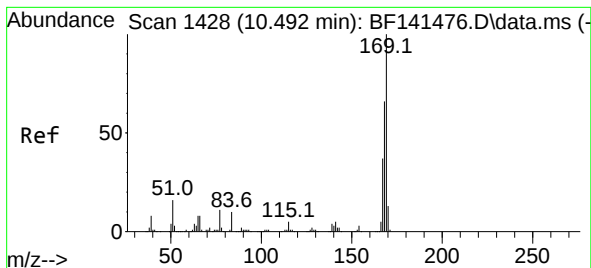
Tgt Ion: 77	Resp: 26027
Ion Ratio	Lower Upper
77 100	
182 20.0	4.7 44.7
105 97.9	0.4 40.4#
51 23.1	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. 0.047 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion: 188	Resp: 125915
Ion Ratio	Lower Upper
188 100	
94 62.6	6.6 10.0#
80 60.3	7.3 10.9#

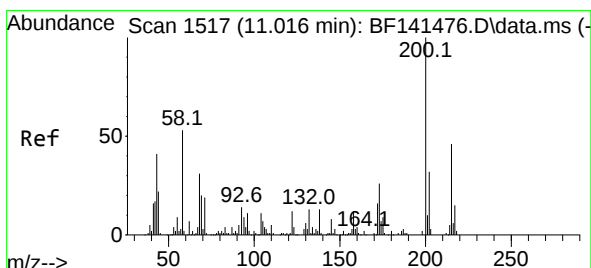
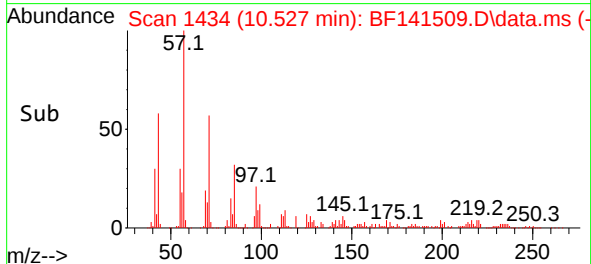
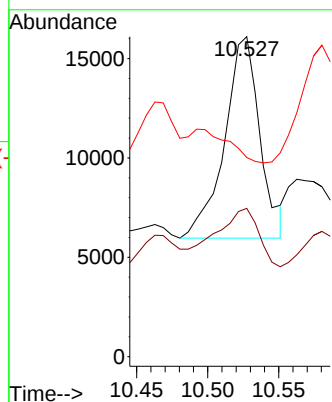
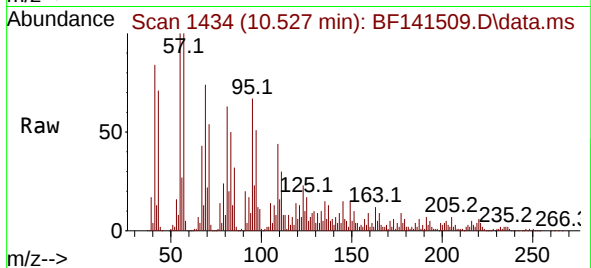




#66
n-Nitrosodiphenylamine
Concen: 4.348 ng
RT: 10.527 min Scan# 1428
Delta R.T. 0.029 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

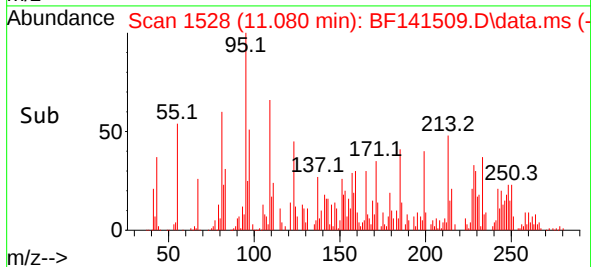
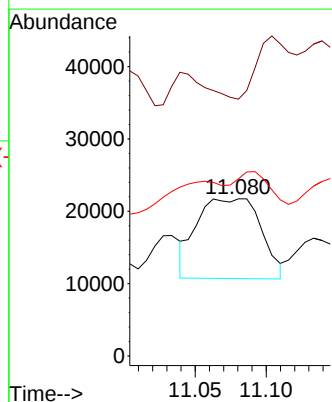
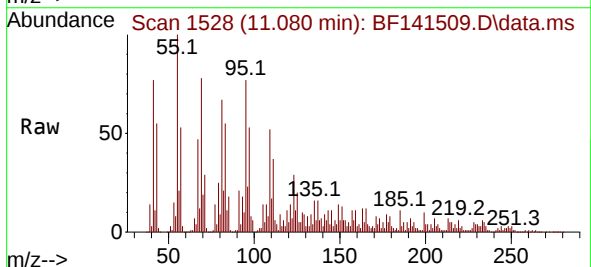
Instrument :
BNA_F
ClientSampleId :
RB21140

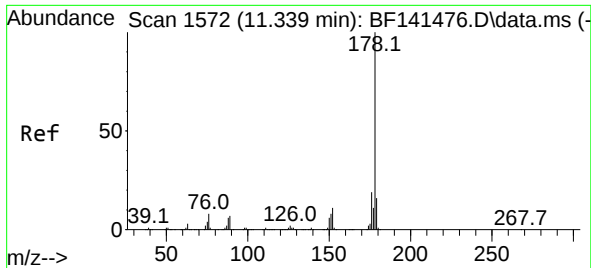
Tgt Ion:169 Resp: 17526
Ion Ratio Lower Upper
169 100
168 46.3 53.3 79.9#
167 62.3 29.4 44.2#



#69
Atrazine
Concen: 28.550 ng
RT: 11.080 min Scan# 1528
Delta R.T. 0.059 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:200 Resp: 34523
Ion Ratio Lower Upper
200 100
173 163.4 5.9 45.9#
215 112.7 25.9 65.9#

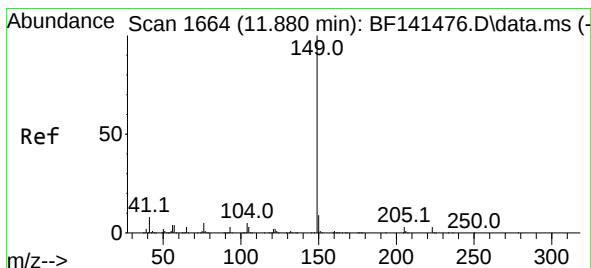
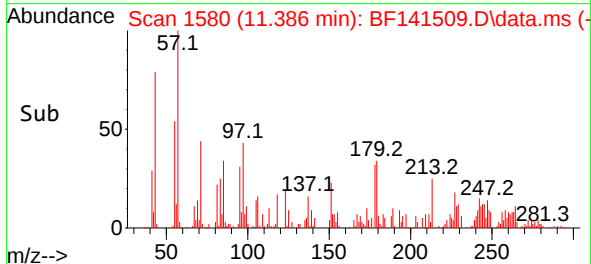
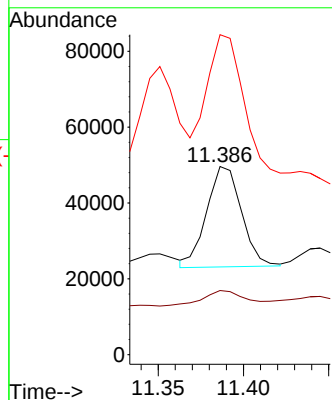
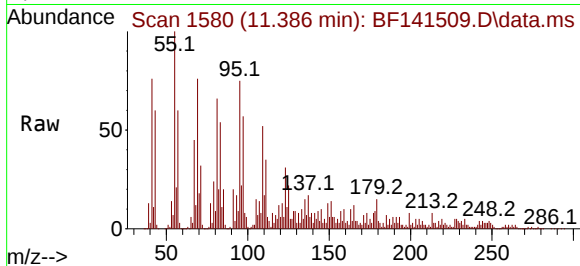




#71
Phenanthrene
Concen: 5.443 ng
RT: 11.386 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

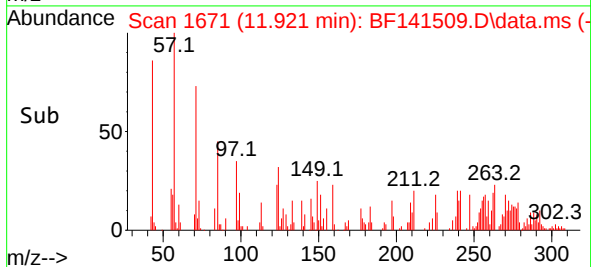
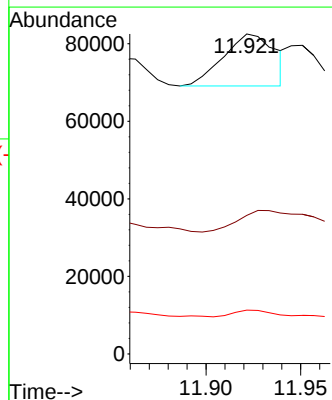
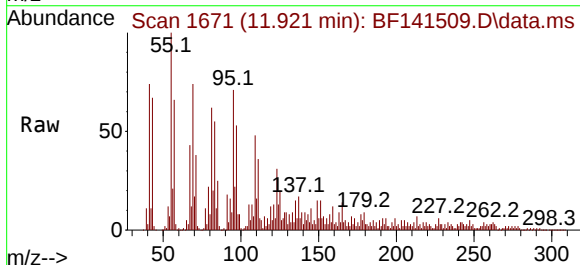
Instrument :
BNA_F
ClientSampleId :
RB21140

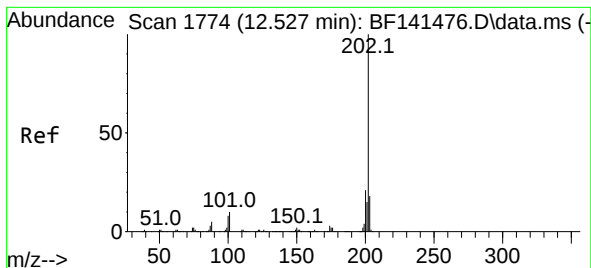
Tgt Ion:178 Resp: 37729
Ion Ratio Lower Upper
178 100
176 34.1 15.4 23.0#
179 170.0 12.4 18.6#



#74
Di-n-butylphthalate
Concen: 3.509 ng
RT: 11.921 min Scan# 1671
Delta R.T. 0.041 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:149 Resp: 25402
Ion Ratio Lower Upper
149 100
150 43.3 7.4 11.0#
104 13.7 4.2 6.2#





#75

Fluoranthene

Concen: 6.854 ng

RT: 12.592 min Scan# 1

Delta R.T. 0.059 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

RB21140

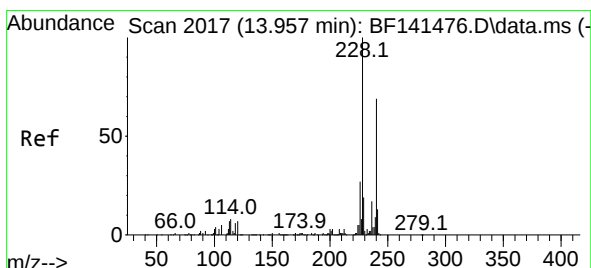
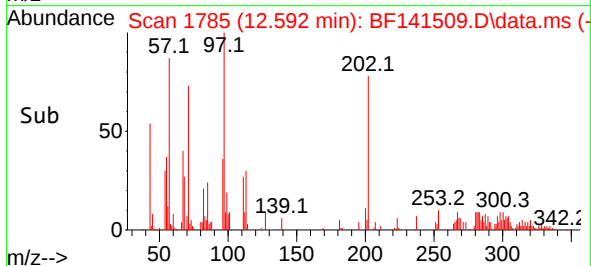
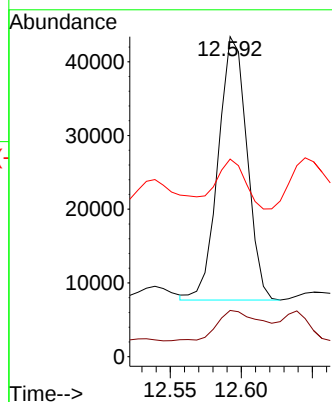
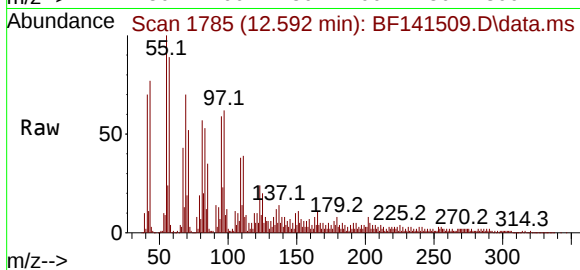
Tgt Ion:202 Resp: 50365

Ion Ratio Lower Upper

202 100

101 14.4 0.0 30.2

203 61.7 0.0 37.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2027

Delta R.T. 0.053 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

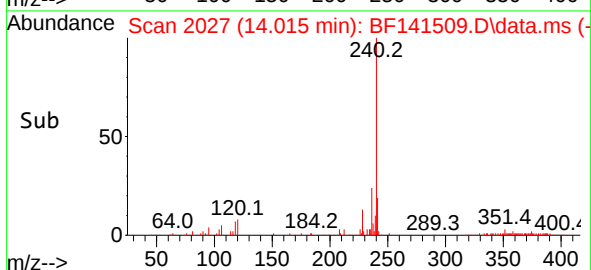
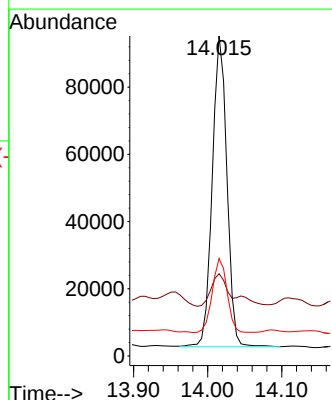
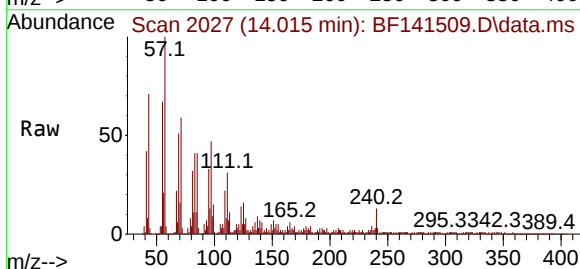
Tgt Ion:240 Resp: 126606

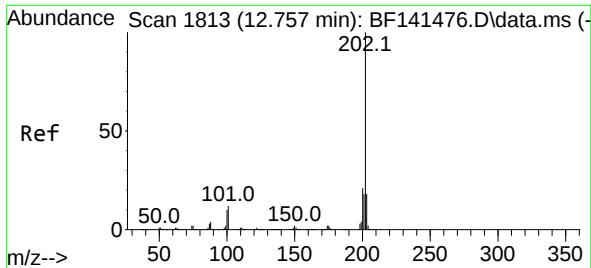
Ion Ratio Lower Upper

240 100

120 25.7 8.0 12.0#

236 30.4 19.8 29.8#

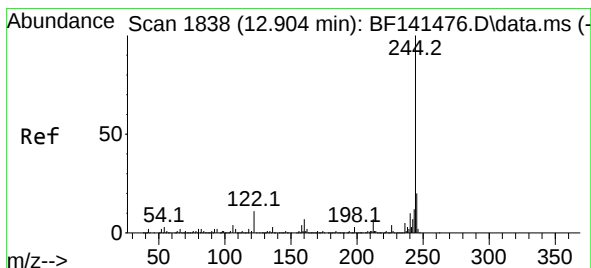
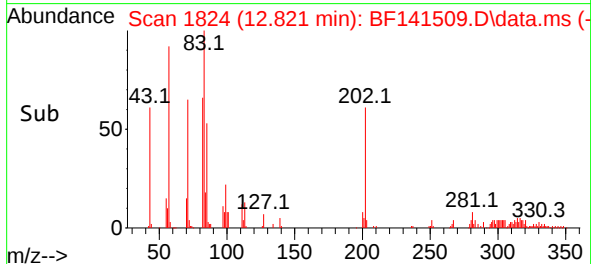
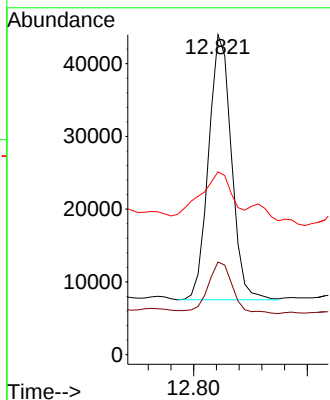
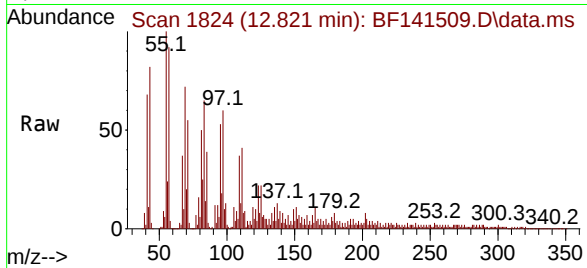




#78
 Pyrene
 Concen: 4.728 ng
 RT: 12.821 min Scan# 1824
 Delta R.T. 0.059 min
 Lab File: BF141509.D
 Acq: 07 Feb 2025 15:58

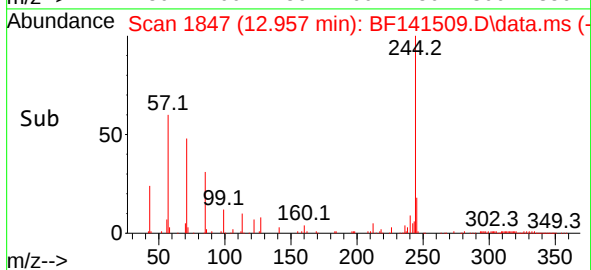
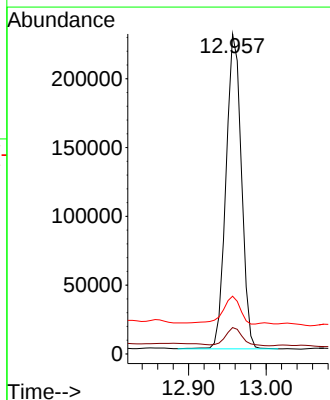
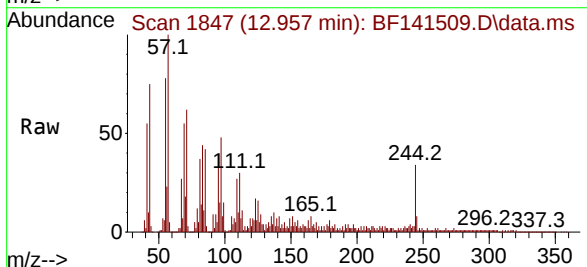
Instrument :
 BNA_F
 ClientSampleId :
 RB21140

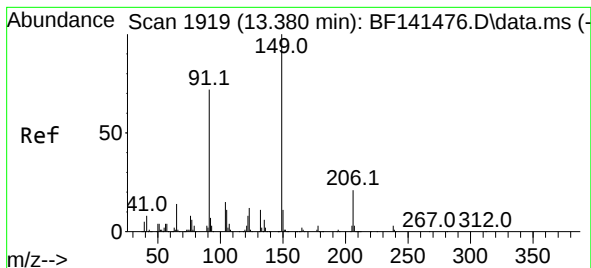
Tgt Ion:202 Resp: 50957
 Ion Ratio Lower Upper
 202 100
 200 29.0 17.0 25.4#
 203 57.1 14.3 21.5#



#79
 Terphenyl-d14
 Concen: 42.122 ng
 RT: 12.957 min Scan# 1847
 Delta R.T. 0.053 min
 Lab File: BF141509.D
 Acq: 07 Feb 2025 15:58

Tgt Ion:244 Resp: 315900
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.6 8.4
 122 18.1 8.4 12.6#





#80

Butylbenzylphthalate

Concen: 3.489 ng

RT: 13.386 min Scan# 1919

Delta R.T. 0.006 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

RB21140

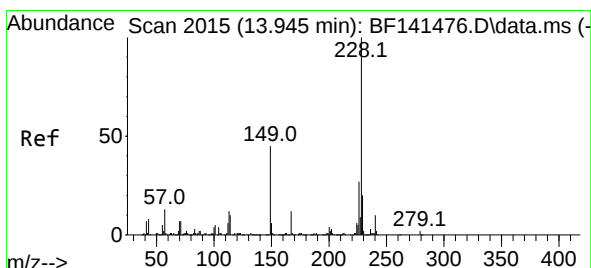
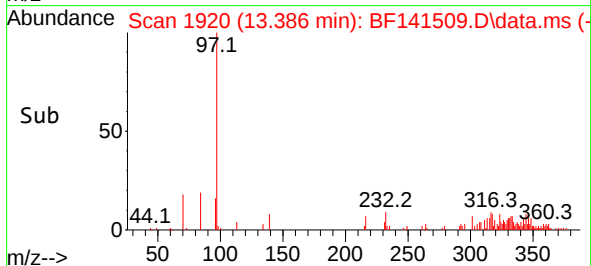
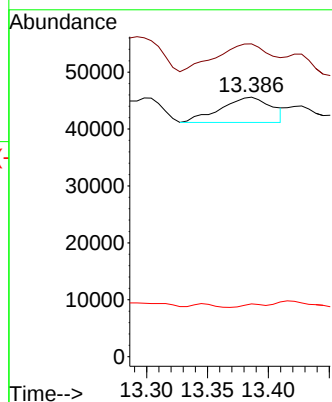
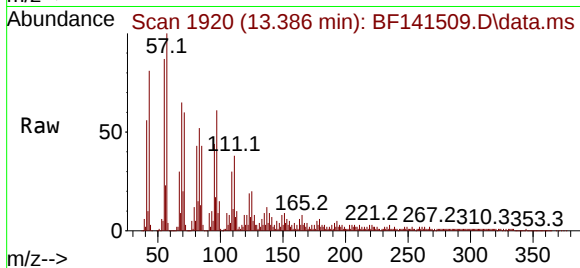
Tgt Ion:149 Resp: 13024

Ion Ratio Lower Upper

149 100

91 120.5 57.8 86.8#

206 20.3 16.7 25.1



#81

Benzo(a)anthracene

Concen: 2.906 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.059 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

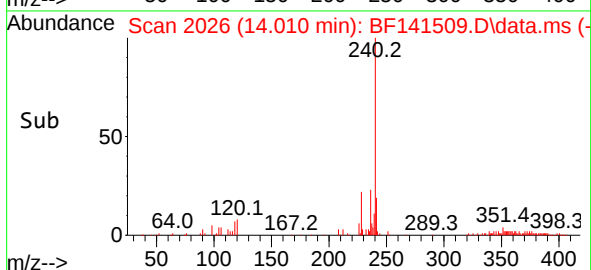
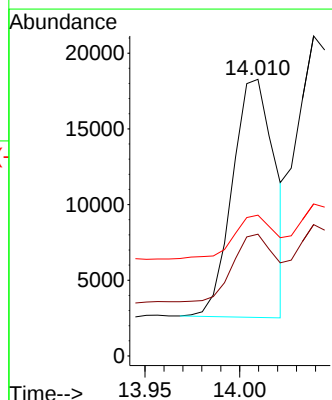
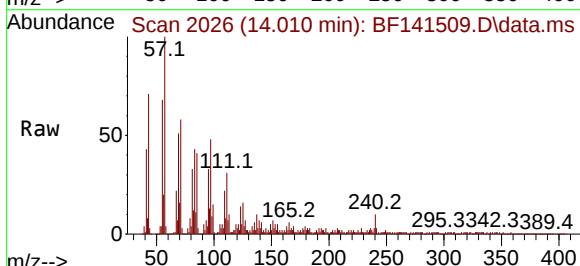
Tgt Ion:228 Resp: 24455

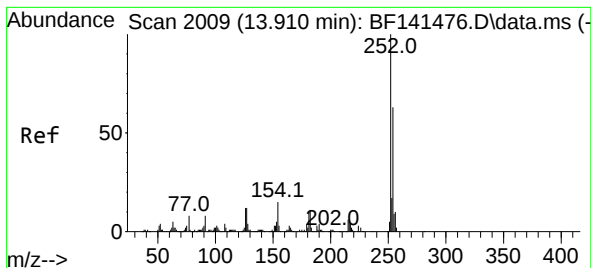
Ion Ratio Lower Upper

228 100

226 44.0 21.8 32.8#

229 50.9 15.8 23.6#





#82

3,3'-Dichlorobenzidine

Concen: 2.931 ng

RT: 13.992 min Scan# 2031

Delta R.T. 0.077 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

RB21140

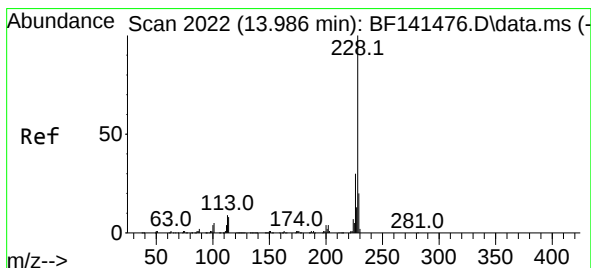
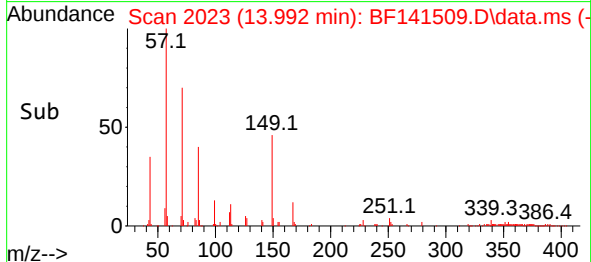
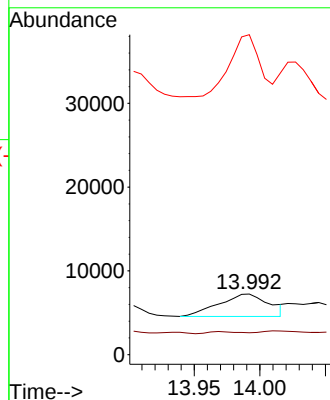
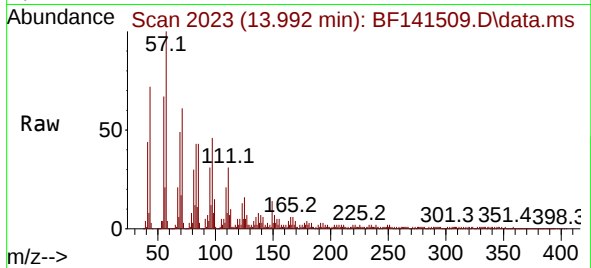
Tgt Ion:252 Resp: 7065

Ion Ratio Lower Upper

252 100

254 36.2 50.6 76.0#

126 527.1 9.3 13.9#



#83

Chrysene

Concen: 3.577 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.047 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

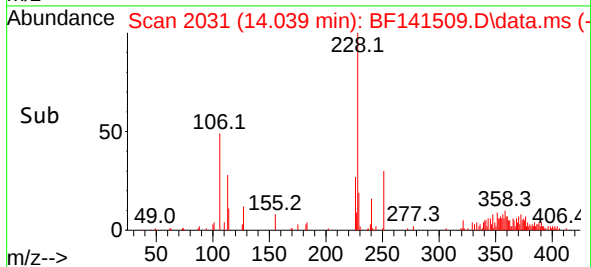
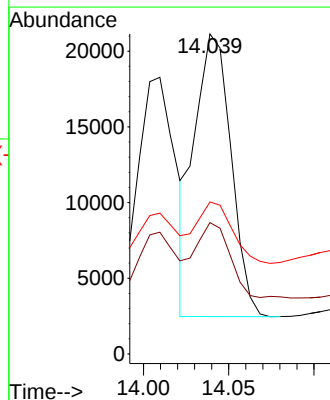
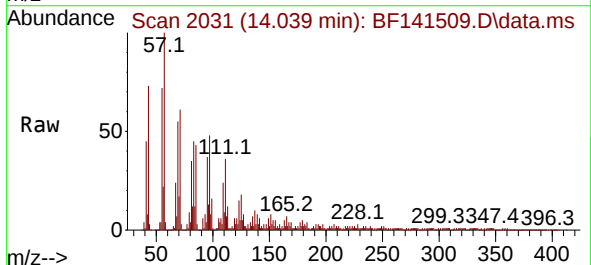
Tgt Ion:228 Resp: 27797

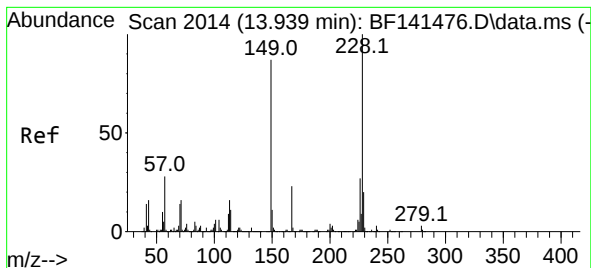
Ion Ratio Lower Upper

228 100

226 41.0 24.0 36.0#

229 47.5 15.7 23.5#

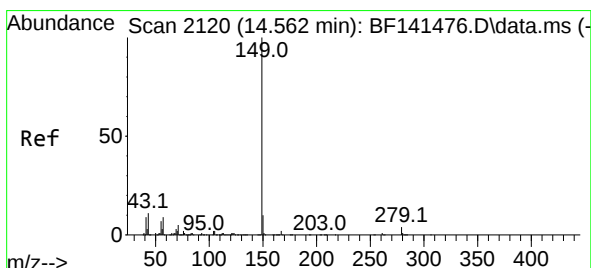
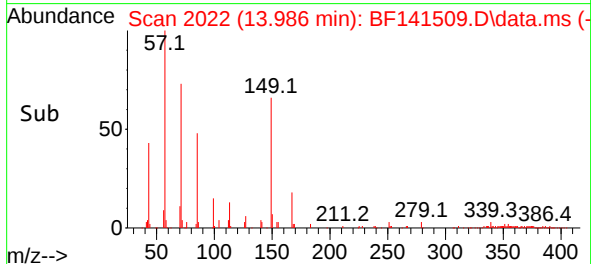
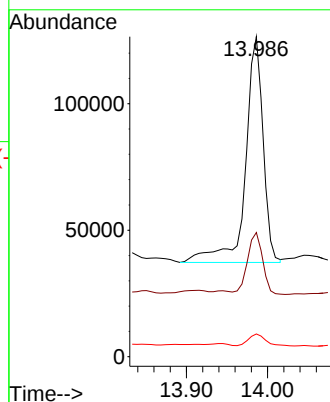
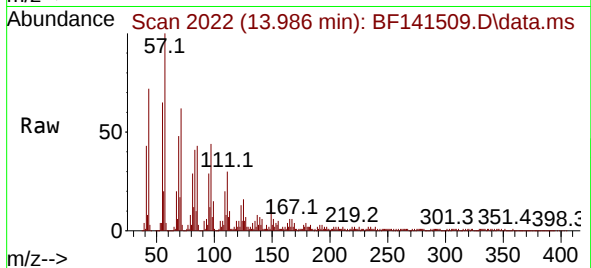




#84
Bis(2-ethylhexyl)phthalate
Concen: 32.140 ng
RT: 13.986 min Scan# 2014
Delta R.T. 0.047 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

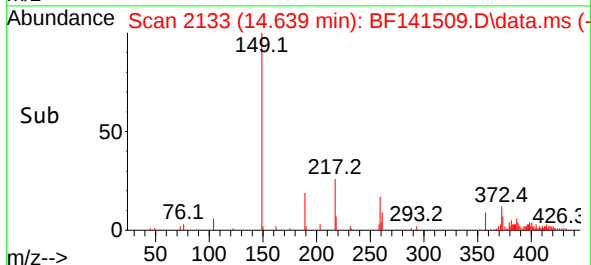
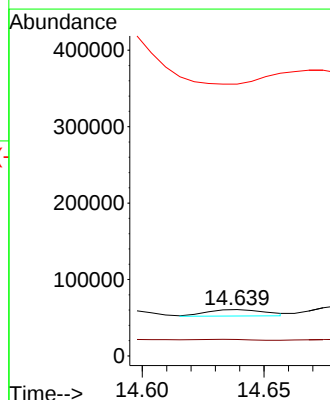
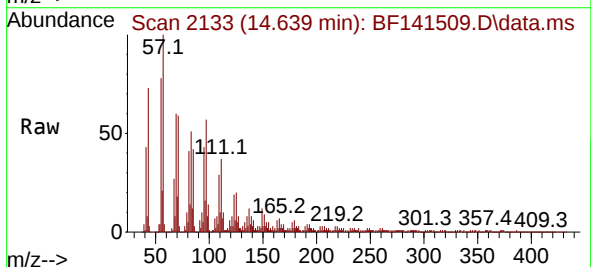
Instrument :
BNA_F
ClientSampleId :
RB21140

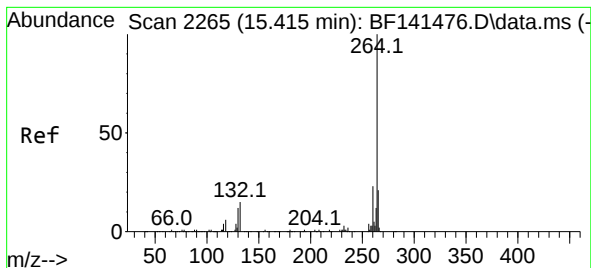
Tgt Ion:149 Resp: 135321
Ion Ratio Lower Upper
149 100
167 38.8 21.4 32.0#
279 7.1 3.1 4.7#



#85
Di-n-octyl phthalate
Concen: 2.312 ng
RT: 14.639 min Scan# 2133
Delta R.T. 0.077 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:149 Resp: 13889
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.5 14.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

Instrument :

BNA_F

ClientSampleId :

RB21140

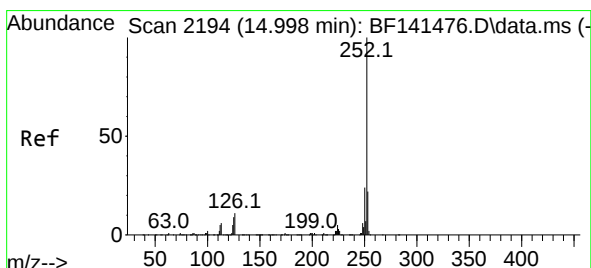
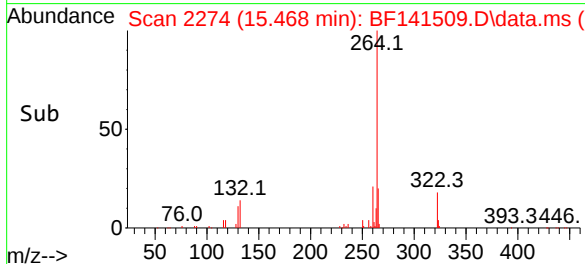
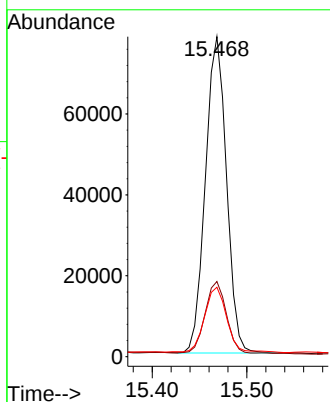
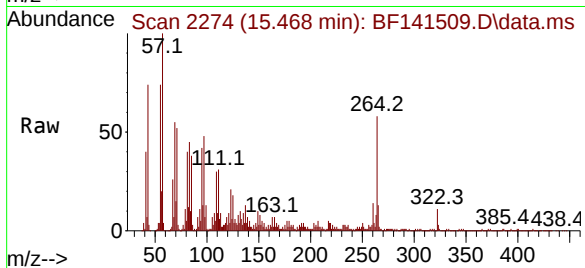
Tgt Ion:264 Resp: 120663

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.7 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 5.616 ng

RT: 15.051 min Scan# 2203

Delta R.T. 0.047 min

Lab File: BF141509.D

Acq: 07 Feb 2025 15:58

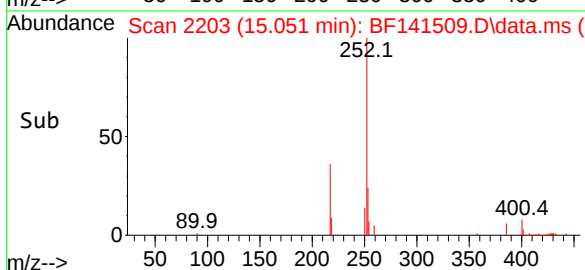
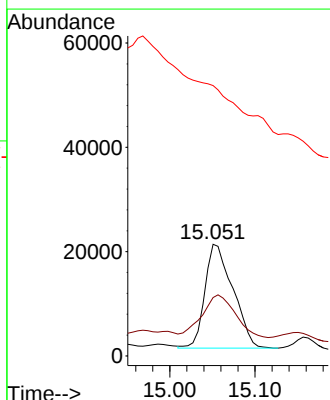
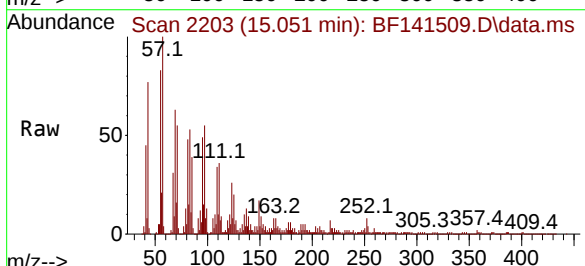
Tgt Ion:252 Resp: 45501

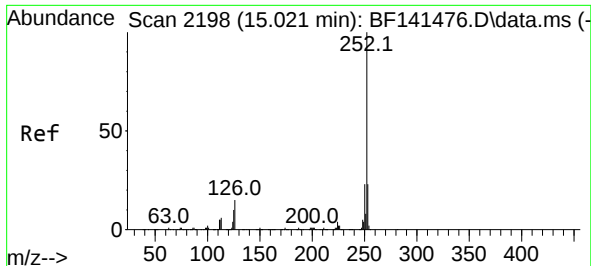
Ion Ratio Lower Upper

252 100

253 52.3 17.5 26.3#

125 242.3 7.0 10.6#

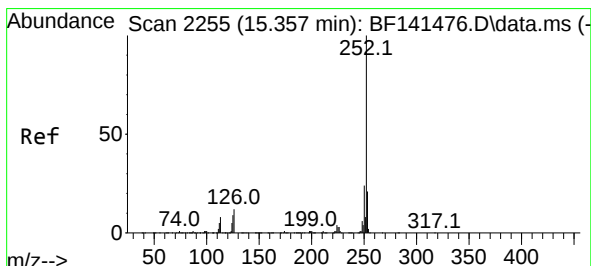
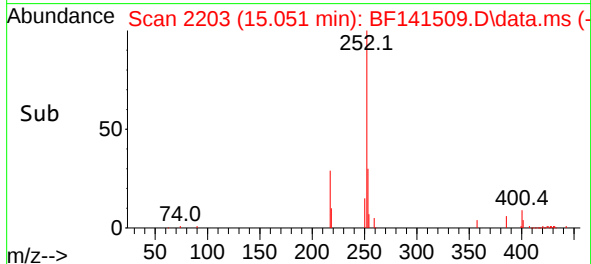
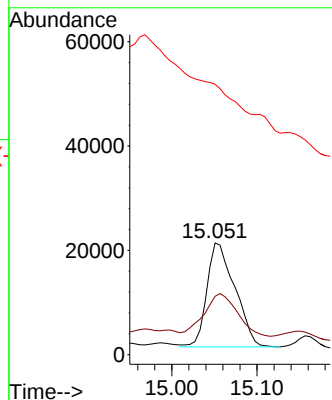
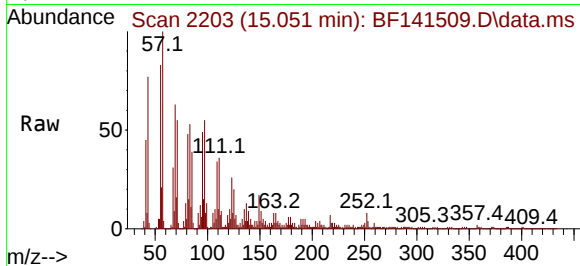




#89
Benzo(k)fluoranthene
Concen: 6.577 ng
RT: 15.051 min Scan# 2198
Delta R.T. 0.018 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Instrument :
BNA_F
ClientSampleId :
RB21140

Tgt Ion:252 Resp: 45501
Ion Ratio Lower Upper
252 100
253 52.3 18.0 27.0#
125 242.3 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 2.852 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.041 min
Lab File: BF141509.D
Acq: 07 Feb 2025 15:58

Tgt Ion:252 Resp: 18695
Ion Ratio Lower Upper
252 100
253 36.7 17.1 25.7#
125 202.3 7.4 11.2#

