

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072224\
 Data File : BF138607.D
 Acq On : 22 Jul 2024 14:44
 Operator : RC/JU
 Sample : P3302-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ206

Quant Time: Jul 22 16:42:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

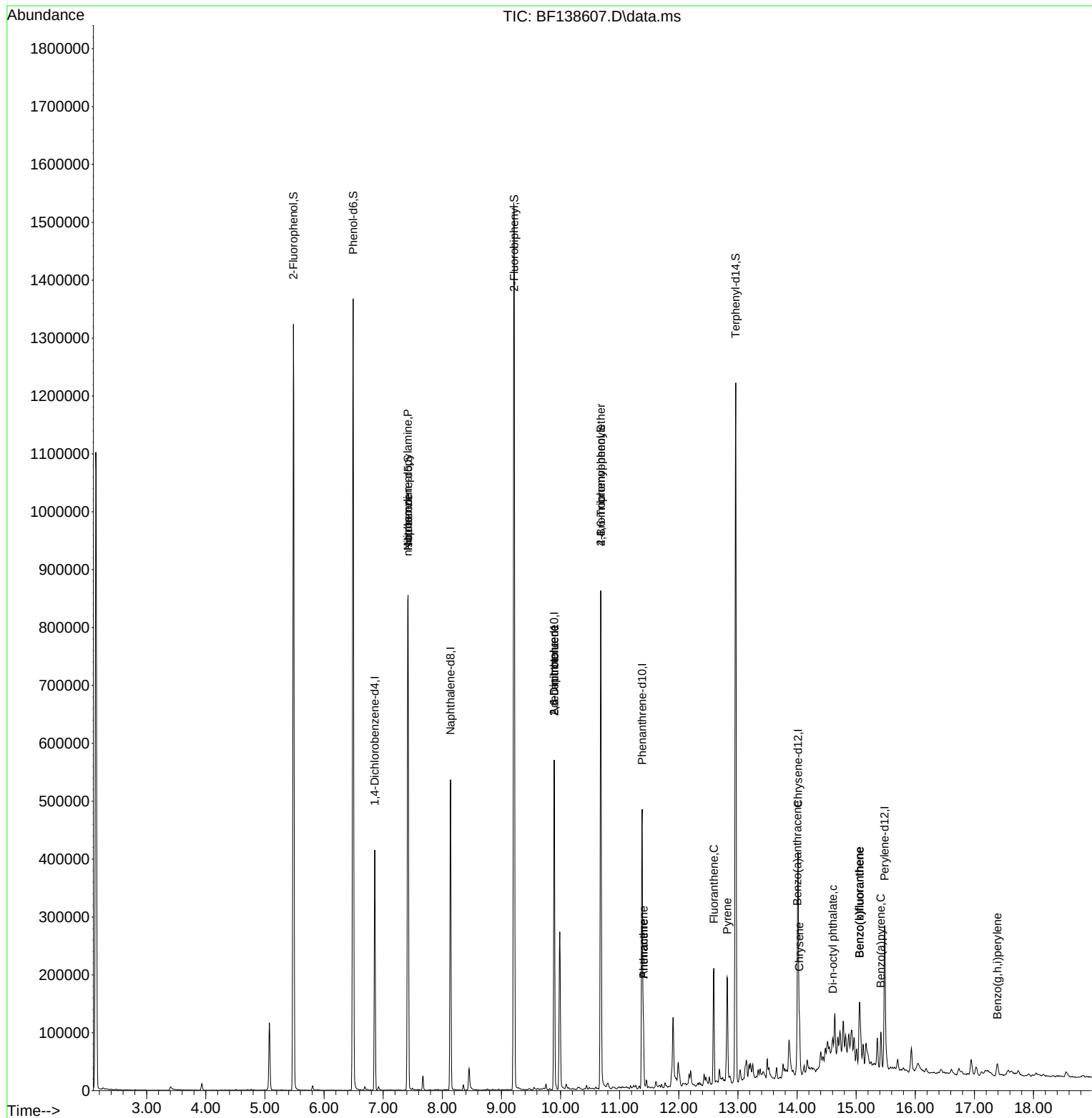
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	77758	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	311750	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	159271	20.000	ng	-0.01
64) Phenanthrene-d10	11.381	188	242441	20.000	ng	0.00
76) Chrysene-d12	14.016	240	143184	20.000	ng	-0.01
86) Perylene-d12	15.480	264	136636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	441145	89.851	ng	-0.01
7) Phenol-d6	6.493	99	599452	91.780	ng	-0.01
23) Nitrobenzene-d5	7.422	82	379279	59.733	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	134171	90.136	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	676228	66.357	ng	-0.01
79) Terphenyl-d14	12.963	244	557642	63.447	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	49115	12.170	ng	# 76
25) Isophorone	7.422	82	377517	34.621	ng	# 67
51) 2,6-Dinitrotoluene	9.892	165	20248	8.539	ng	# 24
57) 2,4-Dinitrotoluene	9.892	165	20248	6.600	ng	# 19
67) 4-Bromophenyl-phenylether	10.681	248	8217	3.298	ng	# 1
71) Phenanthrene	11.404	178	54609	4.458	ng	99
72) Anthracene	11.404	178	54609	4.491	ng	98
75) Fluoranthene	12.592	202	109563	8.766	ng	97
78) Pyrene	12.822	202	104445	7.186	ng	99
81) Benzo(a)anthracene	14.004	228	46627	4.853	ng	95
83) Chrysene	14.039	228	48151	5.298	ng	100
85) Di-n-octyl phthalate	14.604	149	16350	2.219	ng	# 86
88) Benzo(b)fluoranthene	15.057	252	80919	10.516	ng	99
89) Benzo(k)fluoranthene	15.057	252	80919	10.782	ng	# 98
90) Benzo(a)pyrene	15.416	252	35489	5.250	ng	98
92) Benzo(g,h,i)perylene	17.386	276	18779	2.359	ng	# 90

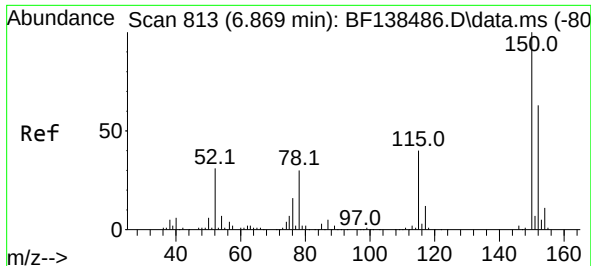
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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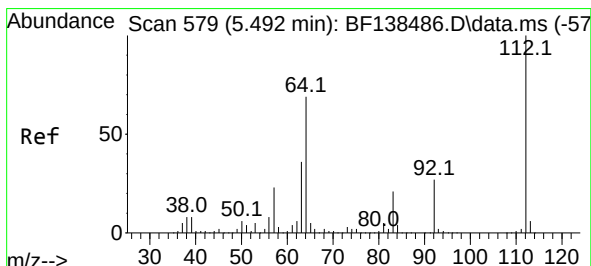
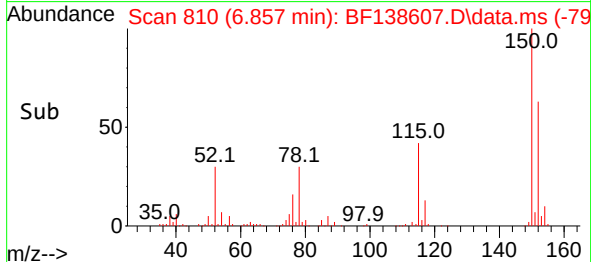
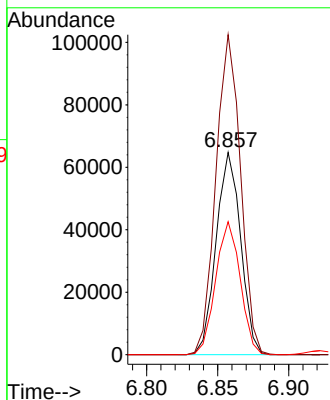
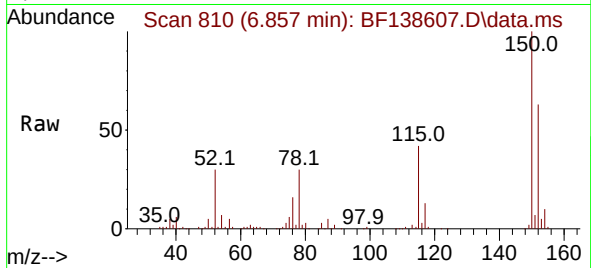




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

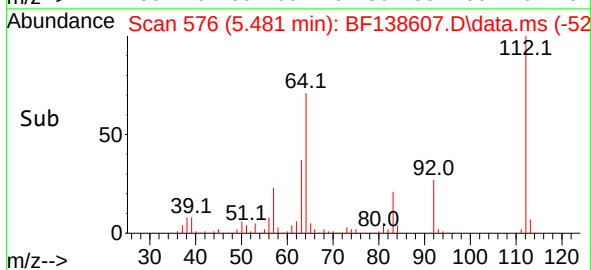
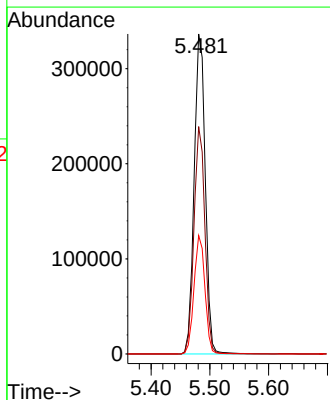
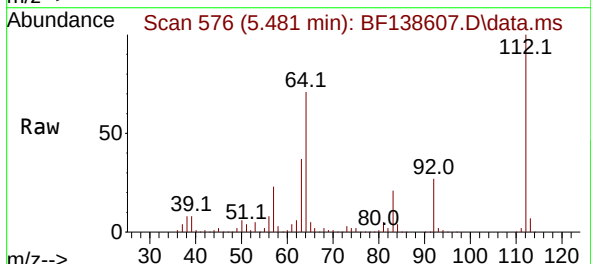
Instrument :
BNA_F
ClientSampleId :
VNJ206

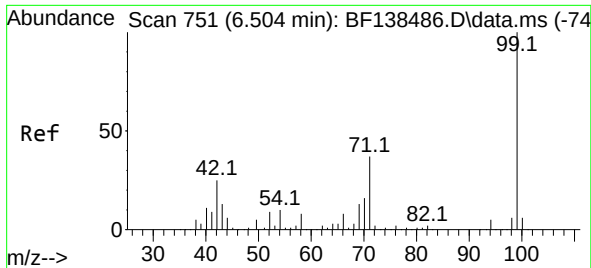
Tgt Ion:152 Resp: 77758
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.4
115 65.7 50.3 75.5



#5
2-Fluorophenol
Concen: 89.851 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:112 Resp: 441145
Ion Ratio Lower Upper
112 100
64 71.1 55.1 82.7
63 37.0 29.0 43.6

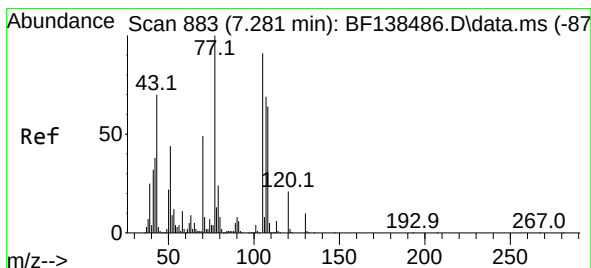
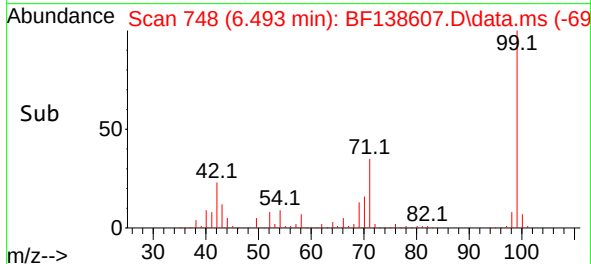
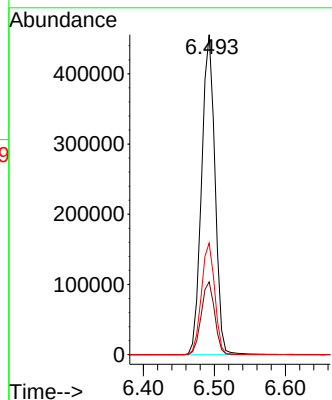
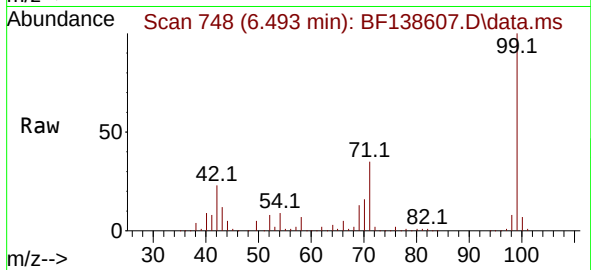




#7
Phenol-d6
Concen: 91.780 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

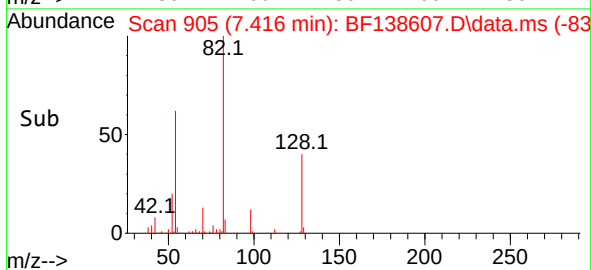
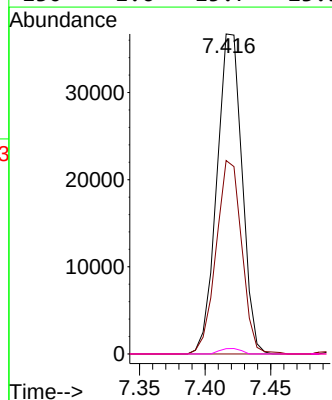
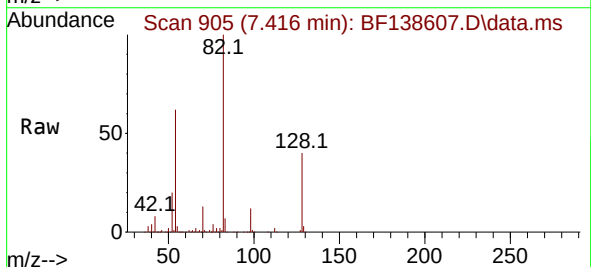
Instrument :
BNA_F
ClientSampleId :
VNJ206

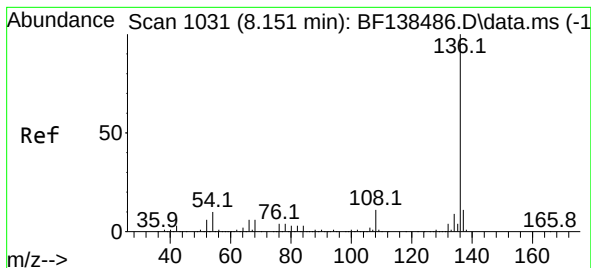
Tgt Ion: 99 Resp: 599452
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 34.9 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.170 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.136 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion: 70 Resp: 49115
Ion Ratio Lower Upper
70 100
42 60.5 62.4 93.6#
101 0.0 7.2 10.8#
130 1.6 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.140 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

Tgt Ion:136 Resp: 311750

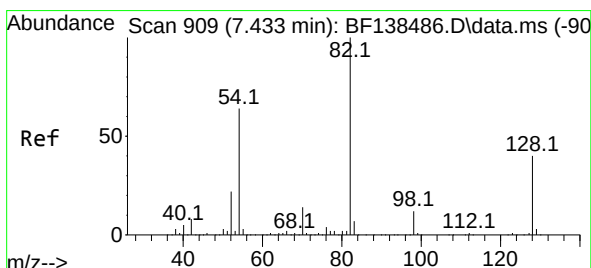
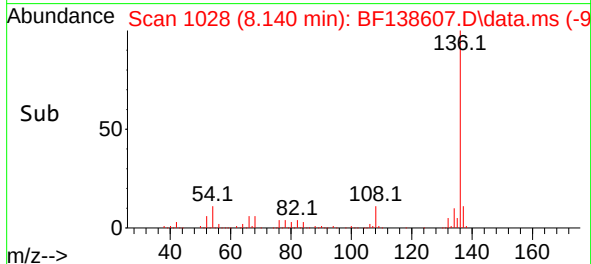
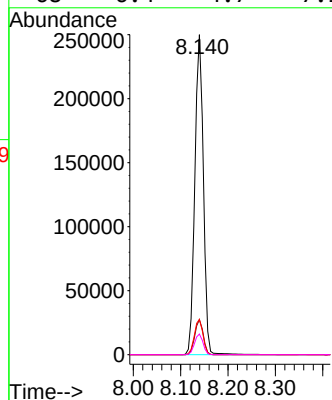
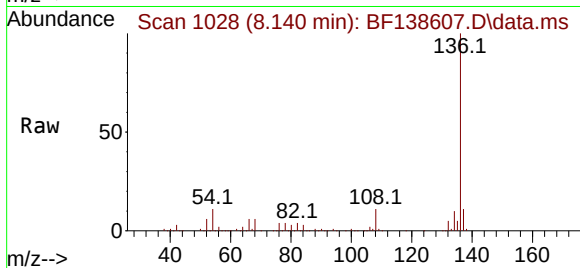
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.1 8.1 12.1

68 6.4 4.7 7.1



#23

Nitrobenzene-d5

Concen: 59.733 ng

RT: 7.422 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

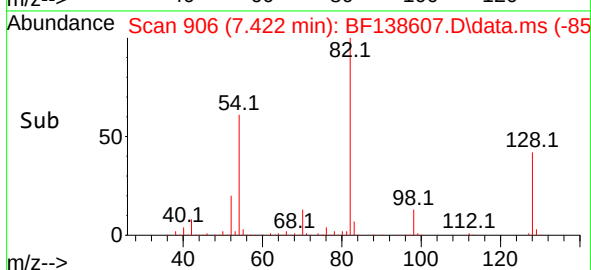
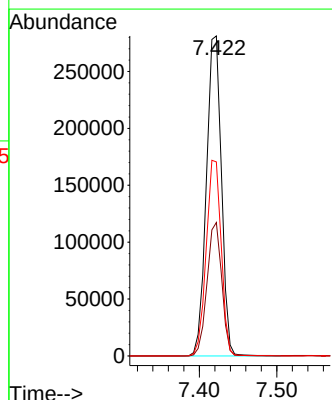
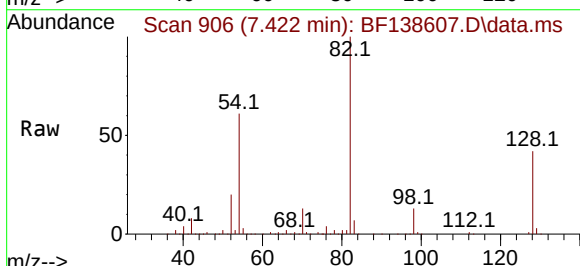
Tgt Ion: 82 Resp: 379279

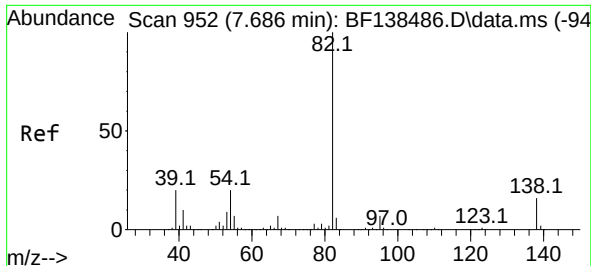
Ion Ratio Lower Upper

82 100

128 41.7 32.3 48.5

54 60.6 51.4 77.0

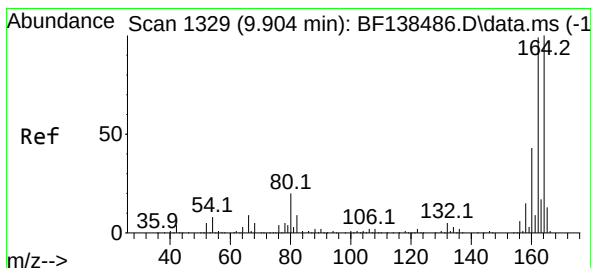
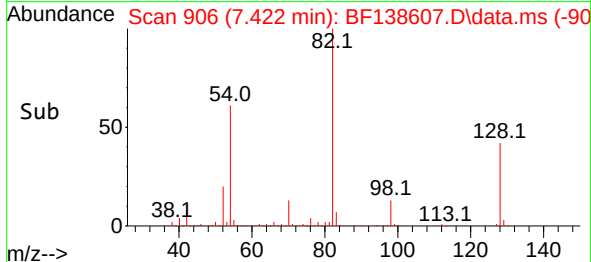
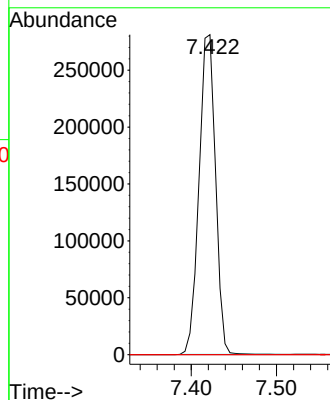
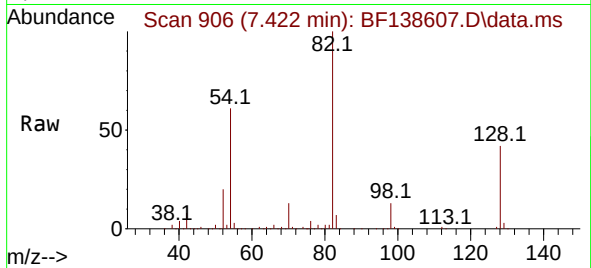




#25
Isophorone
Concen: 34.621 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

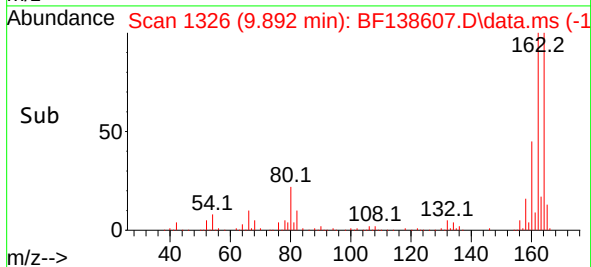
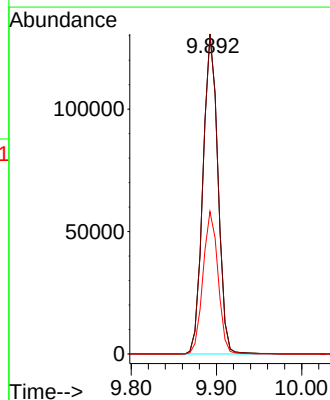
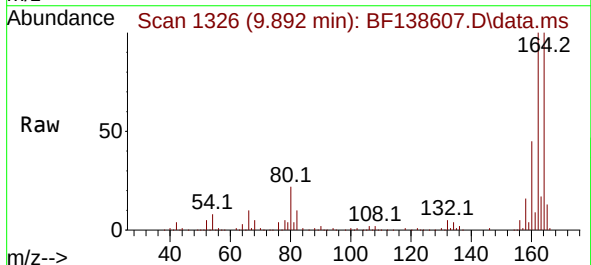
Instrument :
BNA_F
ClientSampleId :
VNJ206

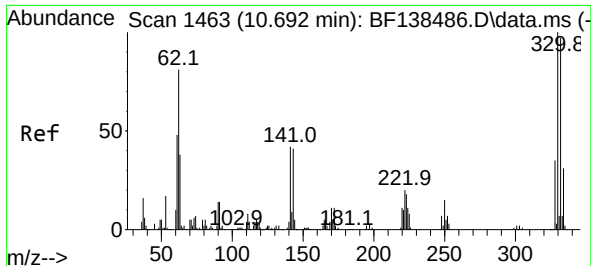
Tgt Ion: 82 Resp: 377517
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

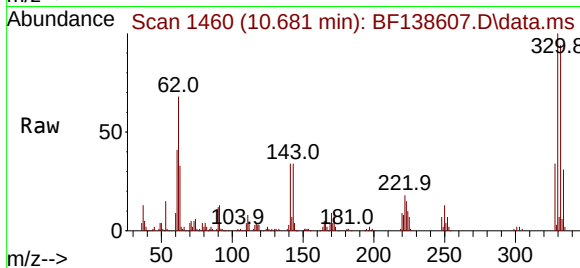
Tgt Ion: 164 Resp: 159271
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.6
160 44.5 34.4 51.6



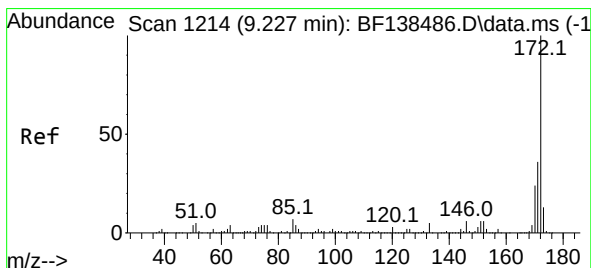
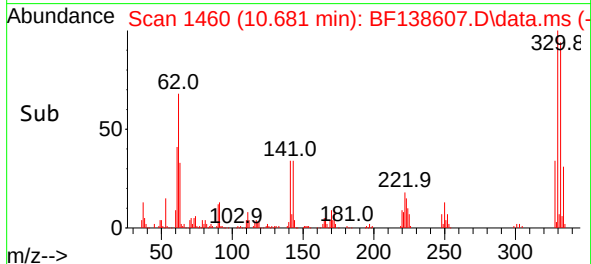
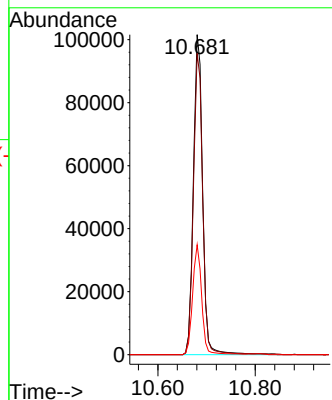


#42
2,4,6-Tribromophenol
Concen: 90.136 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Instrument :
BNA_F
ClientSampleId :
VNJ206

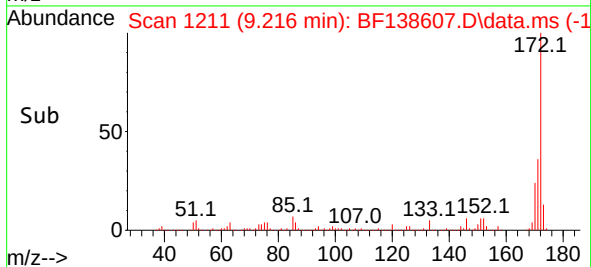
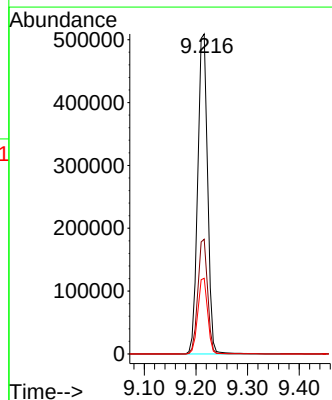
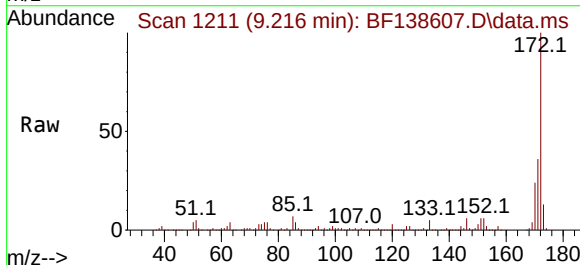


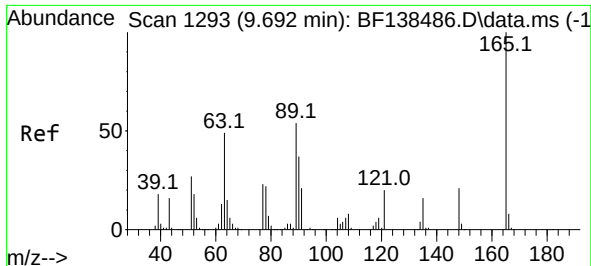
Tgt Ion:330 Resp: 134171
Ion Ratio Lower Upper
330 100
332 94.9 76.8 115.2
141 33.9 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 66.357 ng
RT: 9.216 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:172 Resp: 676228
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 23.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.539 ng

RT: 9.892 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

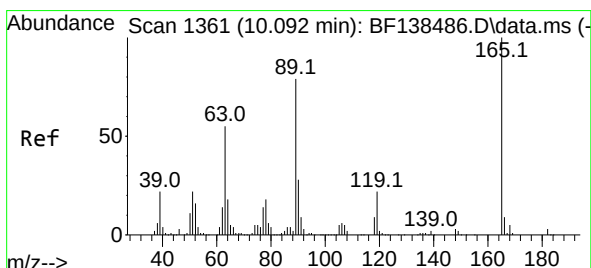
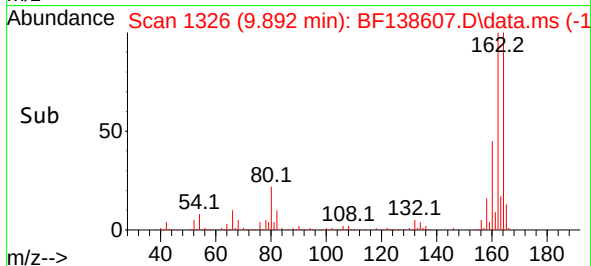
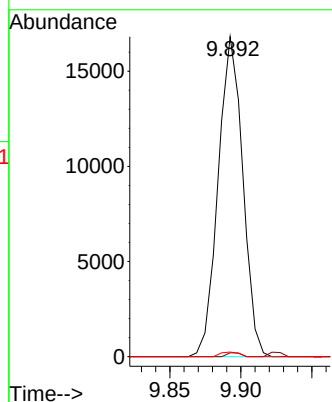
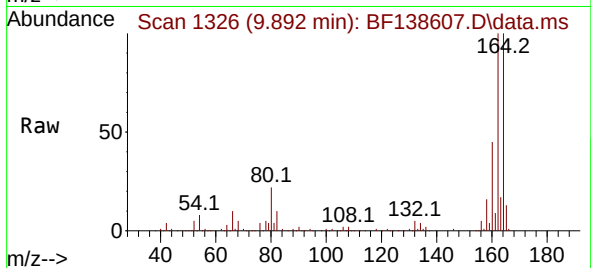
Tgt Ion:165 Resp: 20248

Ion Ratio Lower Upper

165 100

63 1.2 48.1 72.1#

89 1.4 43.0 64.6#



#57

2,4-Dinitrotoluene

Concen: 6.600 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.200 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Tgt Ion:165 Resp: 20248

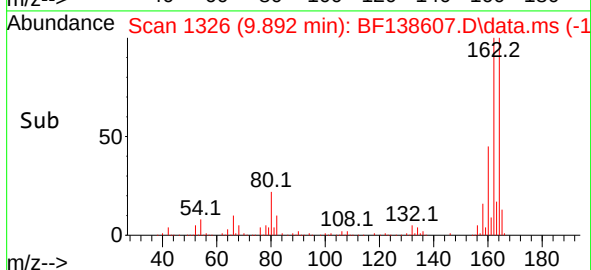
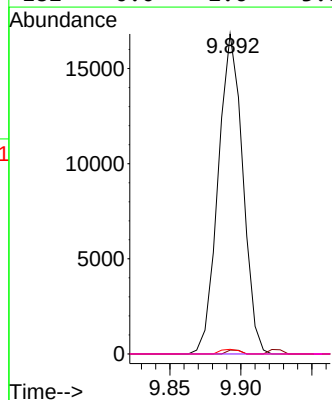
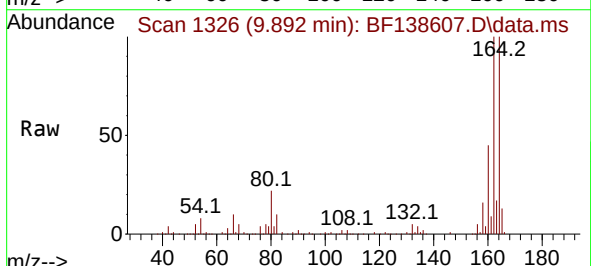
Ion Ratio Lower Upper

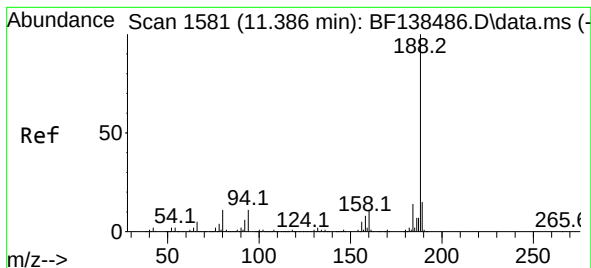
165 100

63 1.2 44.6 66.8#

89 1.4 63.4 95.2#

182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.381 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

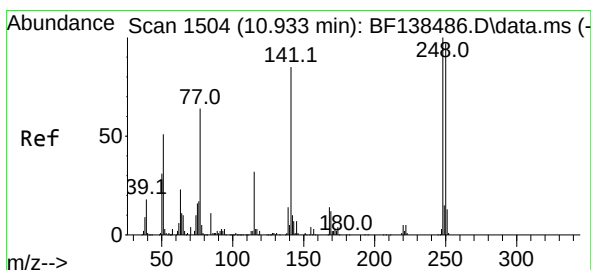
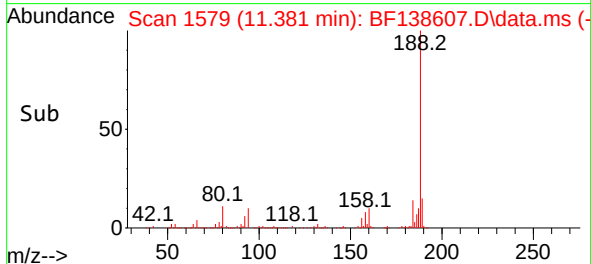
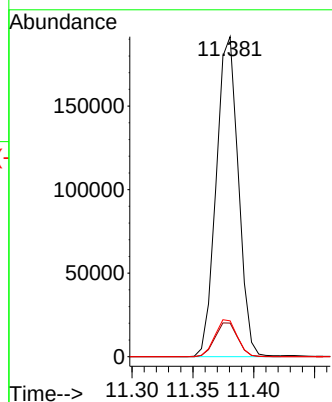
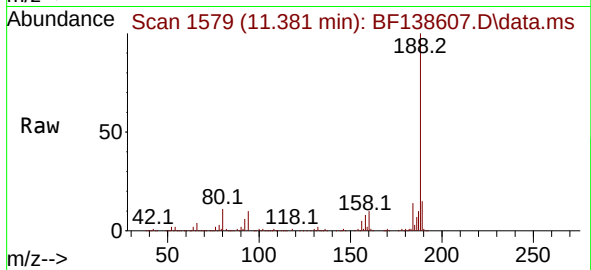
Tgt Ion:188 Resp: 242441

Ion Ratio Lower Upper

188 100

94 10.5 8.7 13.1

80 11.2 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.298 ng

RT: 10.681 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

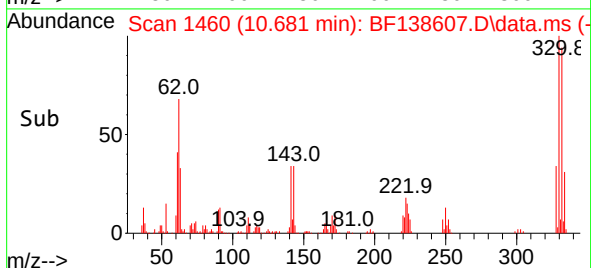
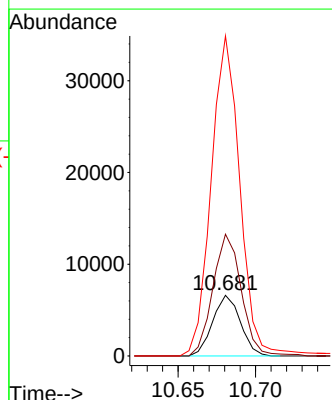
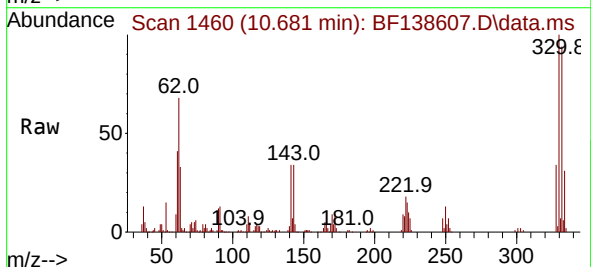
Tgt Ion:248 Resp: 8217

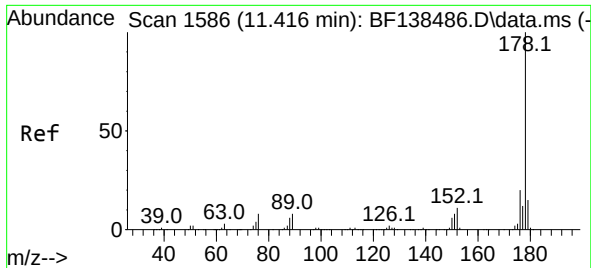
Ion Ratio Lower Upper

248 100

250 200.4 77.9 116.9#

141 527.0 67.7 101.5#



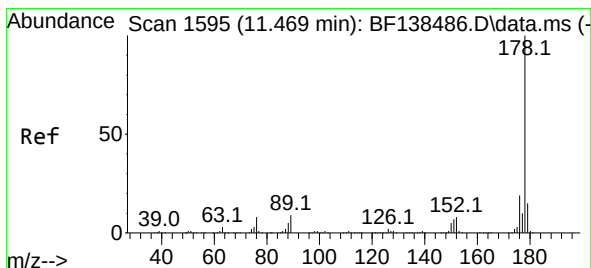
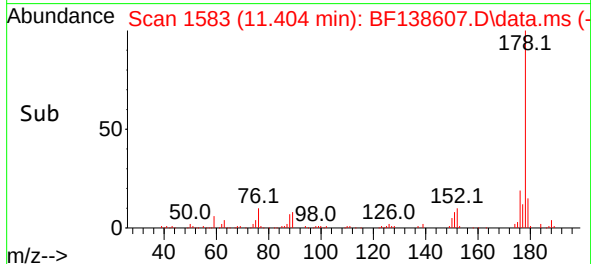
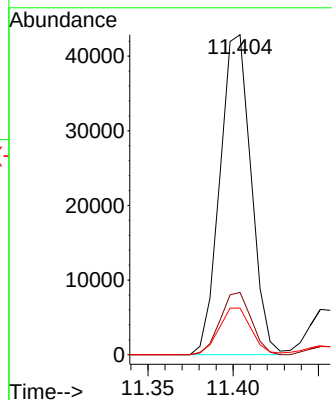
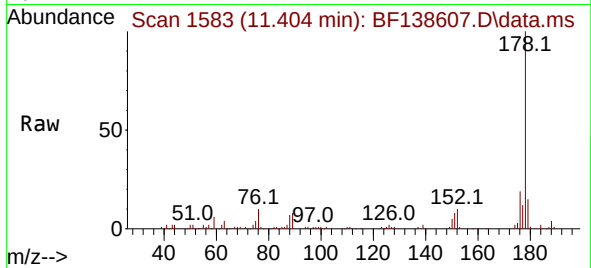


#71
Phenanthrene
Concen: 4.458 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Instrument :
BNA_F
ClientSampleId :
VNJ206

Tgt Ion:178 Resp: 54609

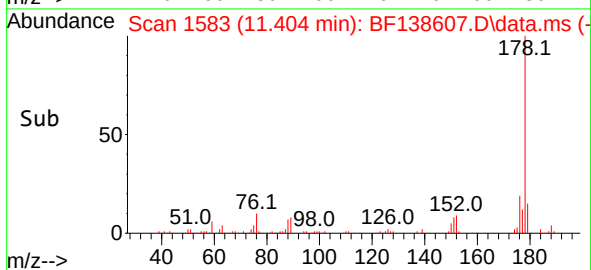
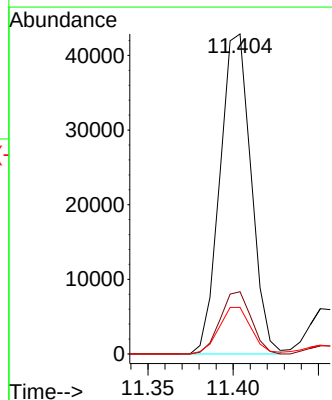
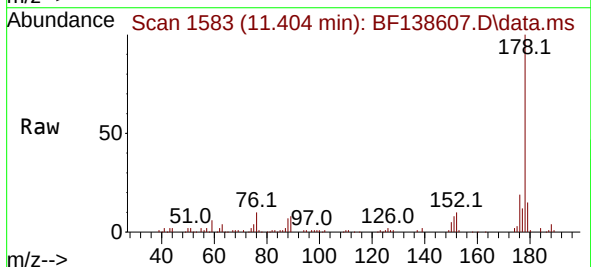
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	14.5	12.2	18.2

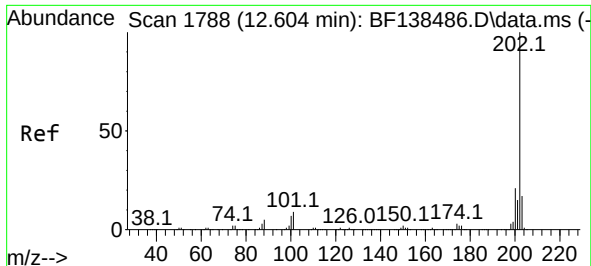


#72
Anthracene
Concen: 4.491 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.064 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:178 Resp: 54609

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	14.5	12.2	18.4

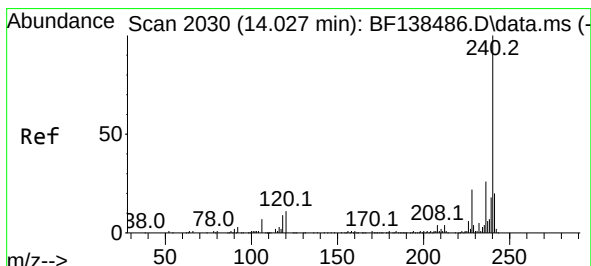
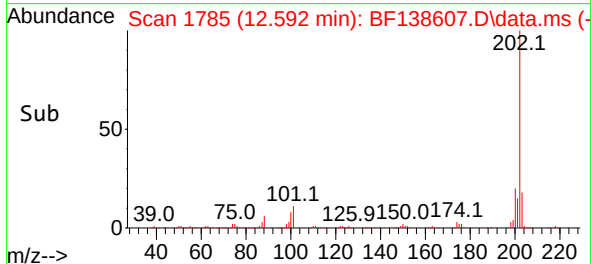
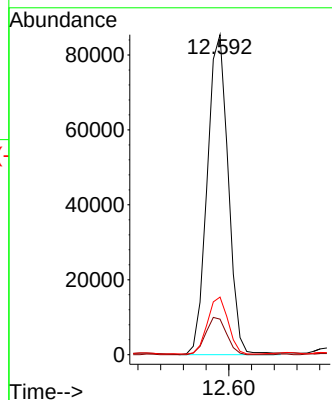
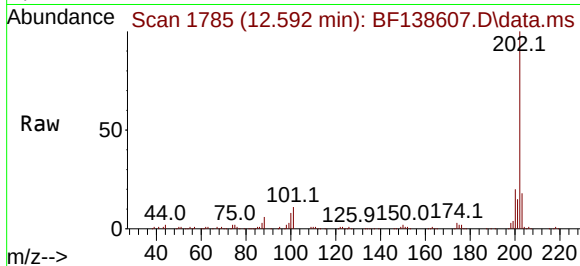




#75
Fluoranthene
Concen: 8.766 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

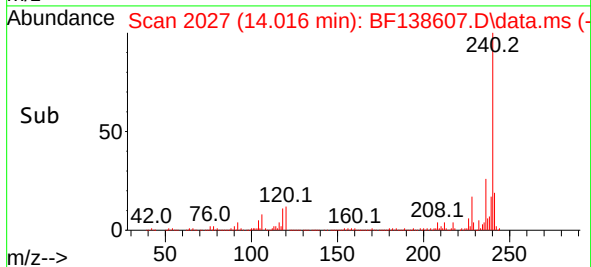
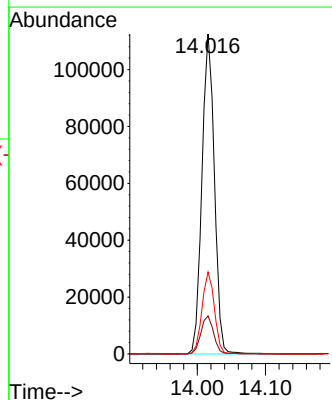
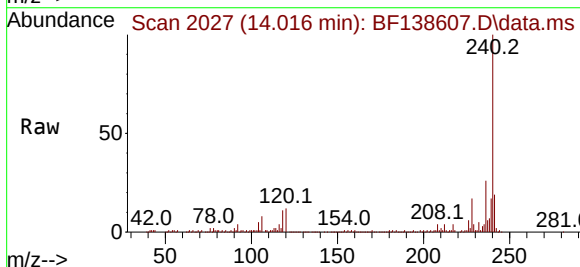
Instrument :
BNA_F
ClientSampleId :
VNJ206

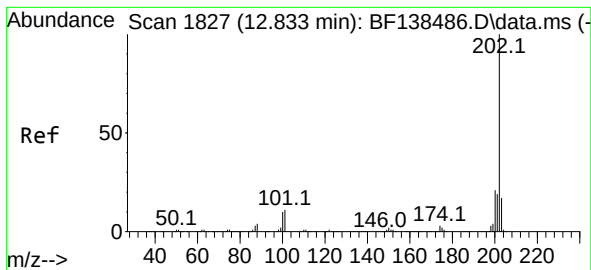
Tgt Ion:202 Resp: 109563
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.2
203 18.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:240 Resp: 143184
Ion Ratio Lower Upper
240 100
120 11.9 8.6 12.8
236 25.6 21.0 31.6





#78

Pyrene

Concen: 7.186 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

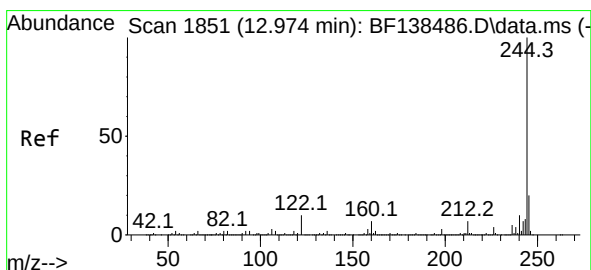
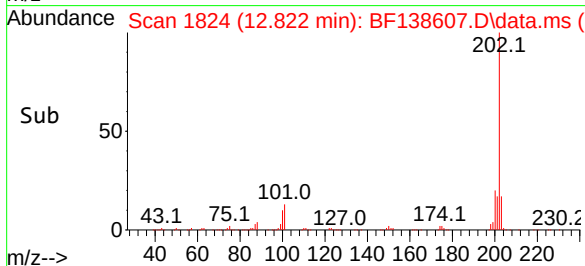
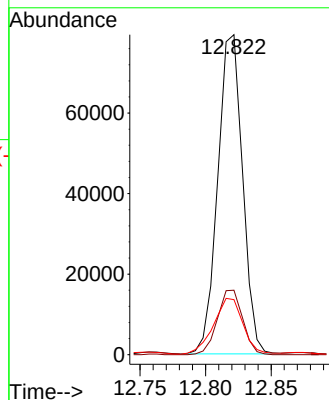
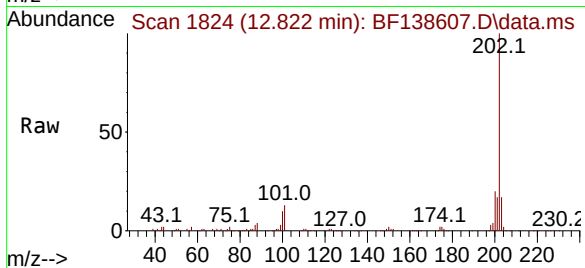
Tgt Ion:202 Resp: 104445

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

203 17.2 13.7 20.5



#79

Terphenyl-d14

Concen: 63.447 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

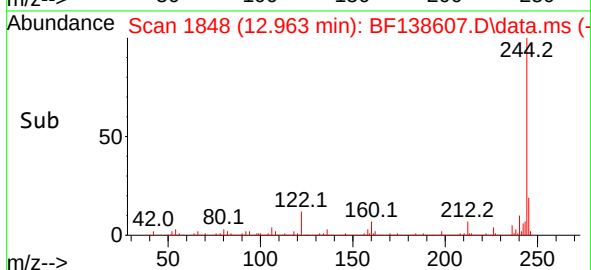
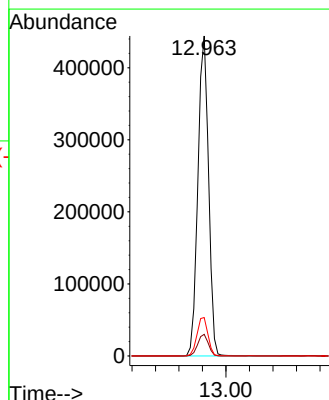
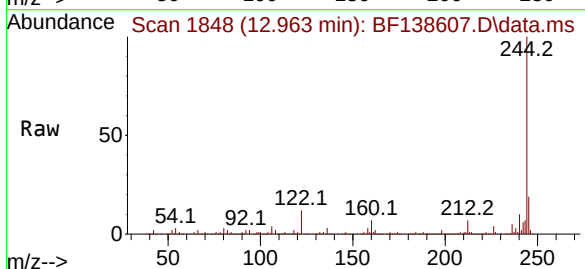
Tgt Ion:244 Resp: 557642

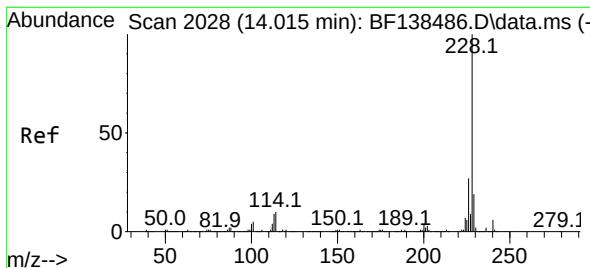
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 12.0 7.8 11.8#





#81

Benzo(a)anthracene

Concen: 4.853 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

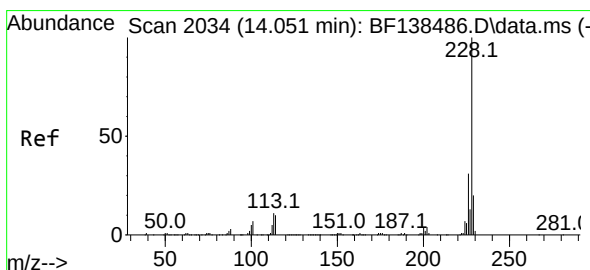
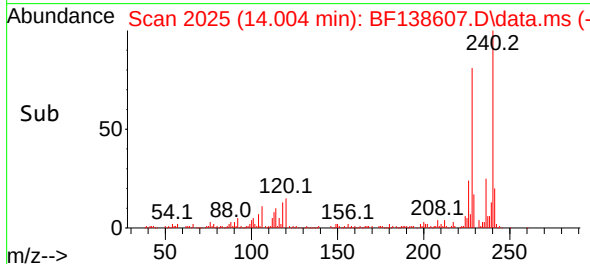
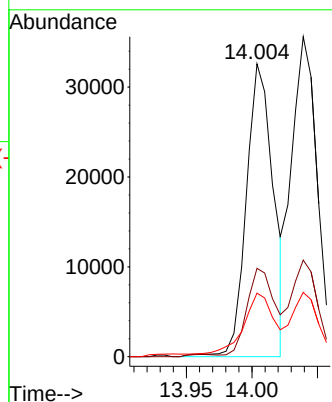
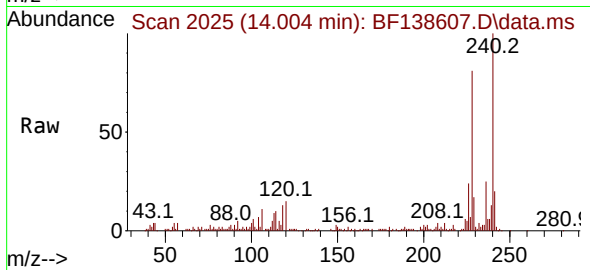
Tgt Ion:228 Resp: 46627

Ion Ratio Lower Upper

228 100

226 30.2 21.9 32.9

229 21.7 15.5 23.3



#83

Chrysene

Concen: 5.298 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

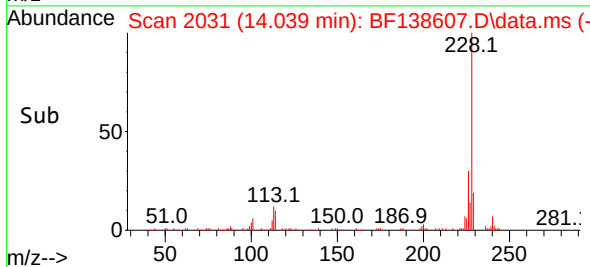
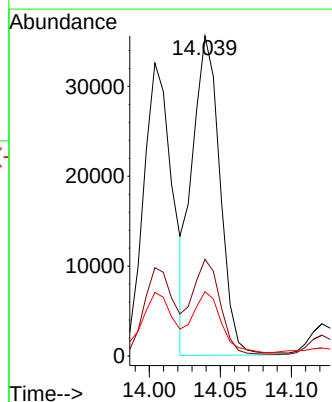
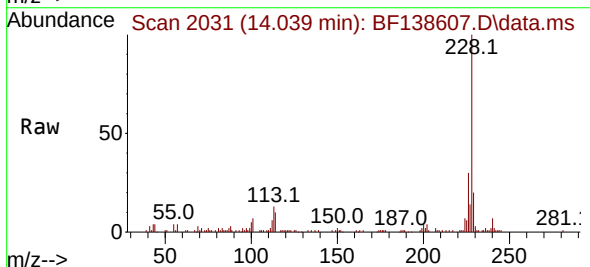
Tgt Ion:228 Resp: 48151

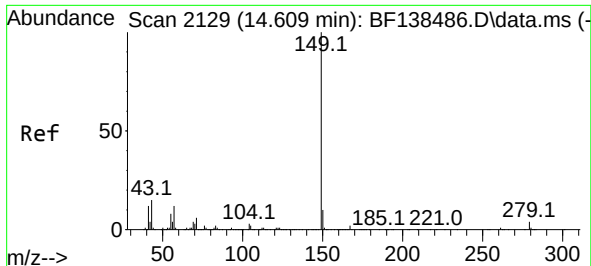
Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 20.1 16.0 24.0

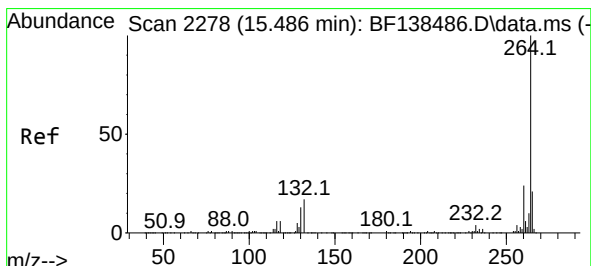
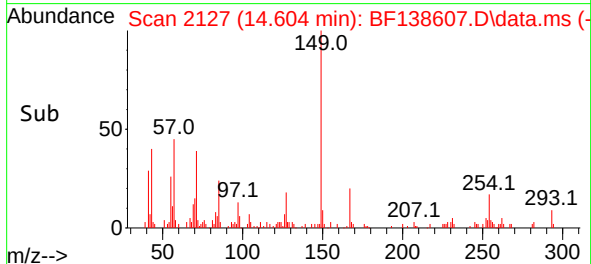
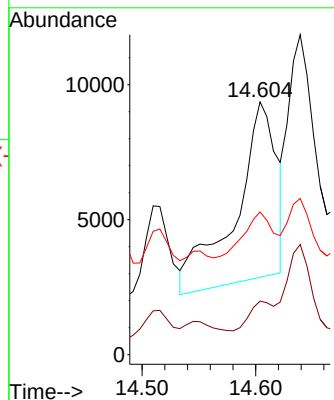
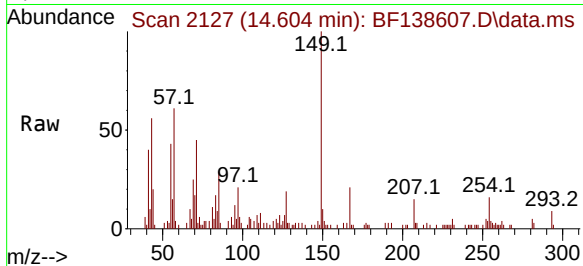




#85
Di-n-octyl phthalate
Concen: 2.219 ng
RT: 14.604 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

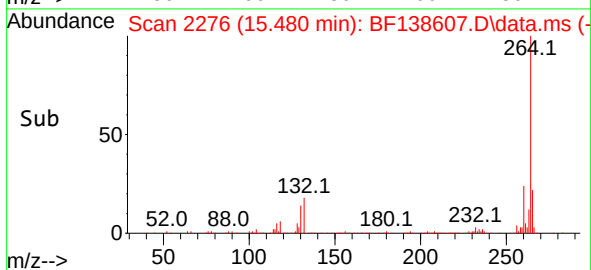
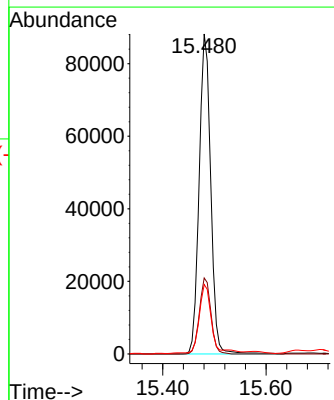
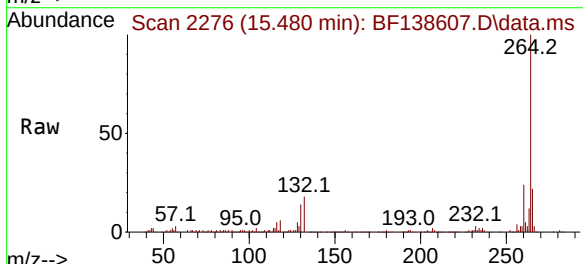
Instrument :
BNA_F
ClientSampleId :
VNJ206

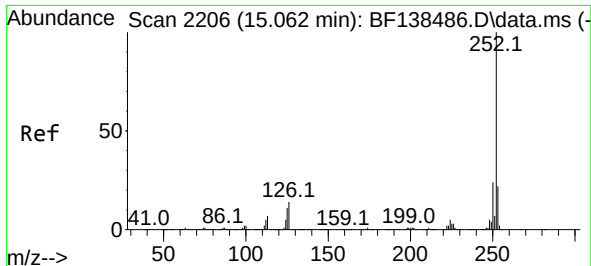
Tgt Ion:149 Resp: 16350
Ion Ratio Lower Upper
149 100
167 15.6 1.3 1.9#
43 17.7 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:264 Resp: 136636
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.7 17.0 25.4

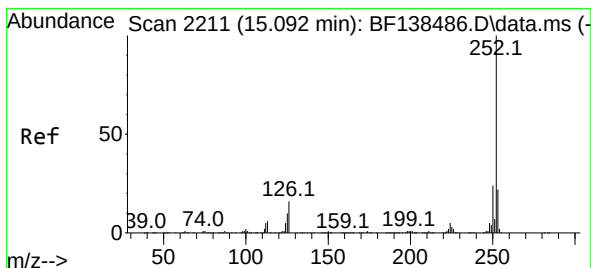
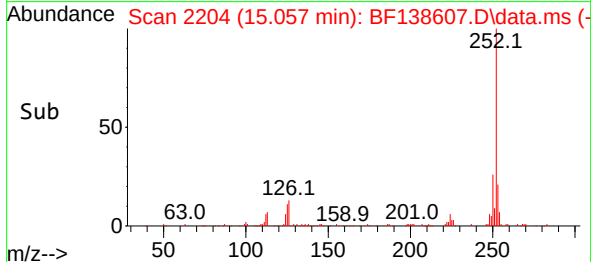
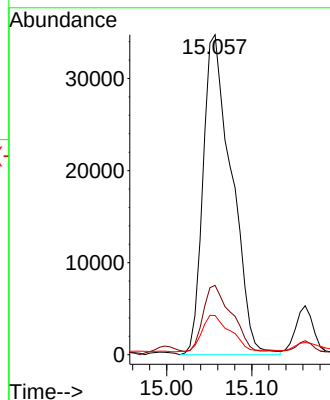
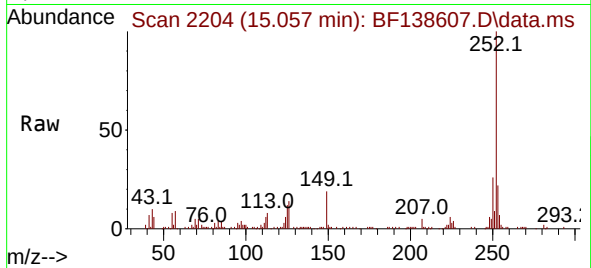




#88
Benzo(b)fluoranthene
Concen: 10.516 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

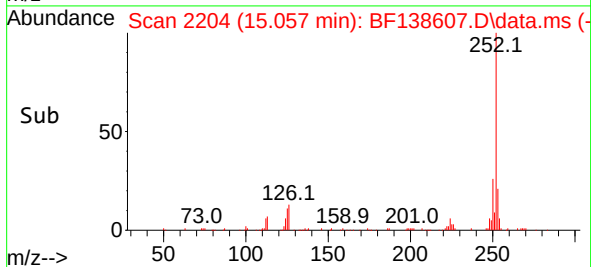
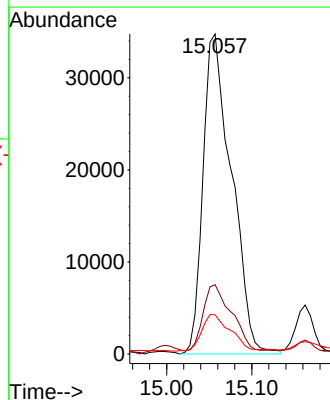
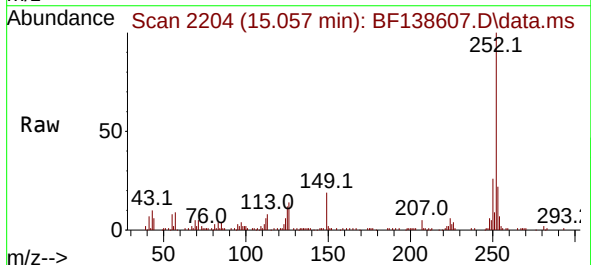
Instrument :
BNA_F
ClientSampleId :
VNJ206

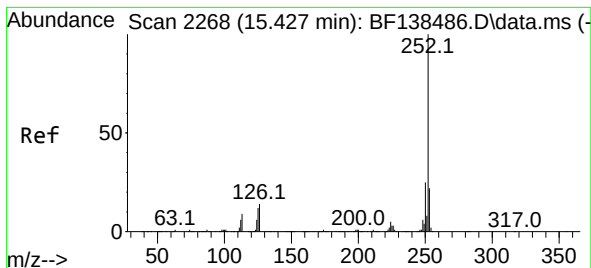
Tgt Ion:252 Resp: 80919
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 12.2 8.6 13.0



#89
Benzo(k)fluoranthene
Concen: 10.782 ng
RT: 15.057 min Scan# 2204
Delta R.T. -0.035 min
Lab File: BF138607.D
Acq: 22 Jul 2024 14:44

Tgt Ion:252 Resp: 80919
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 12.2 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 5.250 ng

RT: 15.416 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Instrument :

BNA_F

ClientSampleId :

VNJ206

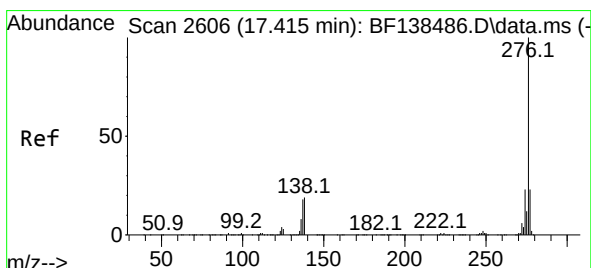
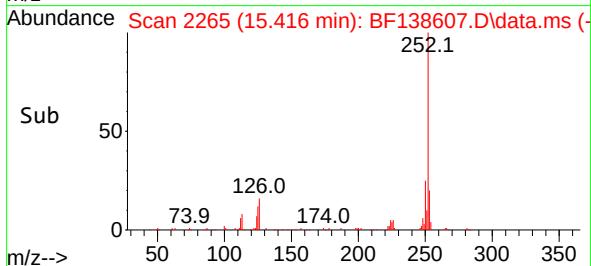
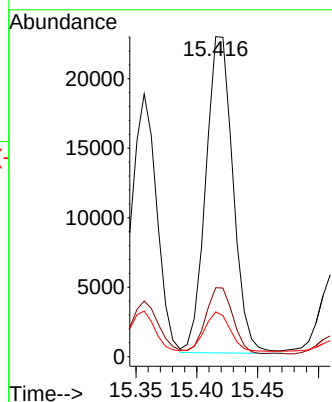
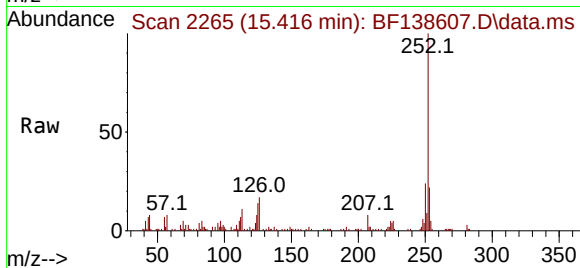
Tgt Ion:252 Resp: 35489

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 14.0 9.4 14.2



#92

Benzo(g,h,i)perylene

Concen: 2.359 ng

RT: 17.386 min Scan# 2600

Delta R.T. -0.029 min

Lab File: BF138607.D

Acq: 22 Jul 2024 14:44

Tgt Ion:276 Resp: 18779

Ion Ratio Lower Upper

276 100

277 25.5 18.0 27.0

138 25.5 15.5 23.3#

