

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136474.D
 Acq On : 08 Dec 2023 18:40
 Operator : CG\JU
 Sample : 05636-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-120523

Quant Time: Dec 08 22:29:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

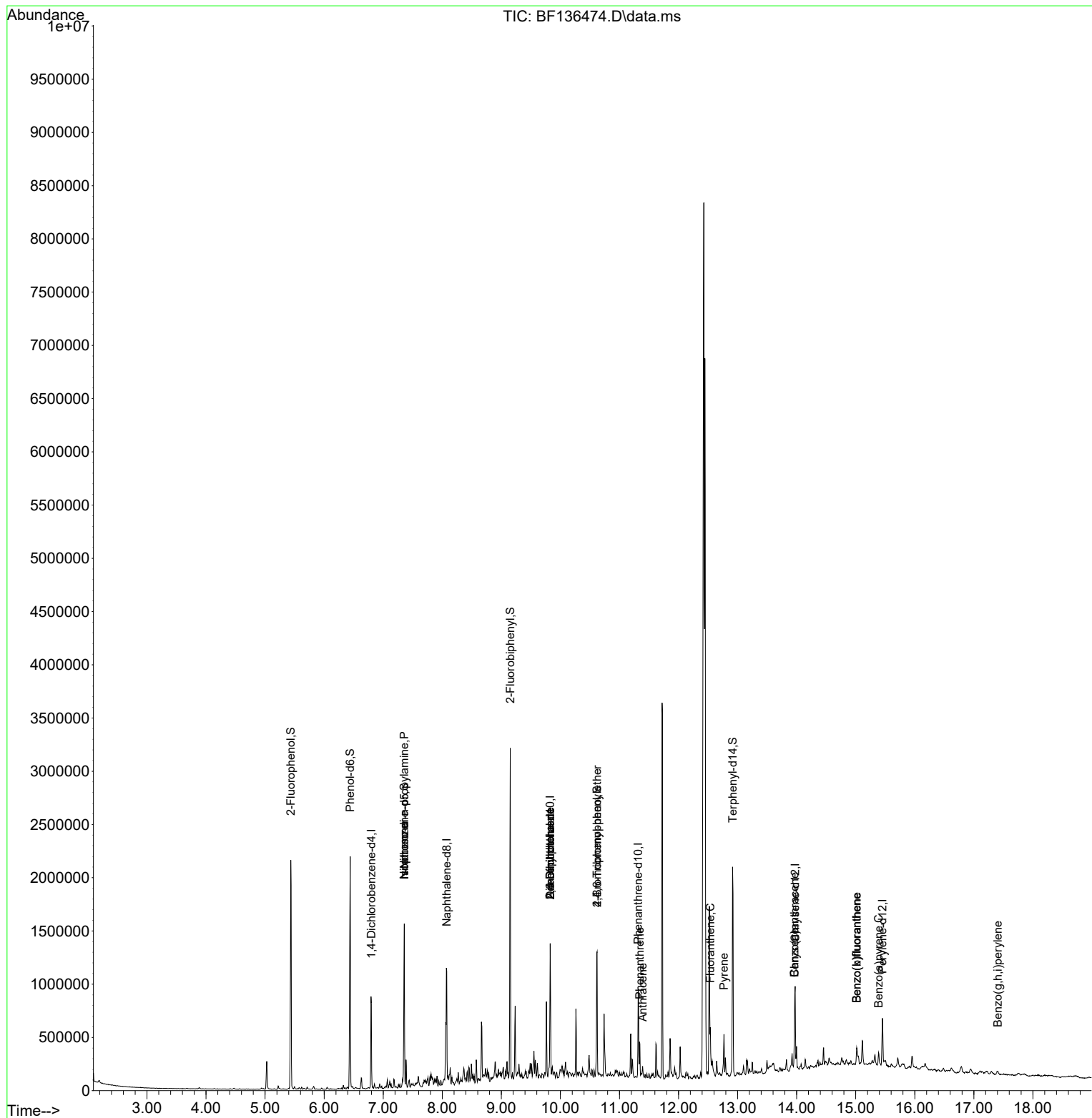
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	129574	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	487451	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	217558	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	320276	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	242427	20.000	ng	0.00
86) Perylene-d12	15.451	264	208138	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	629630	71.762	ng	0.00
7) Phenol-d6	6.440	99	773399	70.651	ng	0.00
23) Nitrobenzene-d5	7.357	82	454050	50.356	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	160593	59.867	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	858370	53.836	ng	-0.01
79) Terphenyl-d14	12.916	244	695343	37.805	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	810	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	60457	9.574	ng	# 77
25) Isophorone	7.357	82	449788	27.765	ng	# 65
50) Dimethylphthalate	9.828	163	43787	2.734	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	31785	8.821	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	31785	6.668	ng	# 29
67) 4-Bromophenyl-phenylether	10.622	248	9659	2.594	ng	# 1
71) Phenanthrene	11.345	178	128892	7.322	ng	98
72) Anthracene	11.392	178	36238	2.044	ng	98
75) Fluoranthene	12.539	202	172286	9.339	ng	98
77) Benzidine	12.651	184	630	Below Cal	#	1
78) Pyrene	12.769	202	152251	6.413	ng	98
81) Benzo(a)anthracene	13.963	228	92155	5.457	ng	99
83) Chrysene	13.963	228	92155	5.547	ng	96
88) Benzo(b)fluoranthene	15.016	252	108646	7.635	ng	# 91
89) Benzo(k)fluoranthene	15.016	252	108646	8.101	ng	# 91
90) Benzo(a)pyrene	15.386	252	54157	4.608	ng	# 92
92) Benzo(g,h,i)perylene	17.404	276	30078	2.474	ng	93

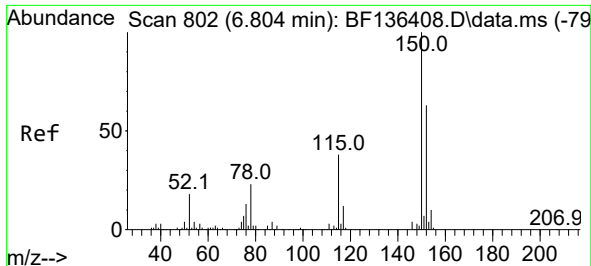
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
Data File : BF136474.D
Acq On : 08 Dec 2023 18:40
Operator : CG\JU
Sample : 05636-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-120523

Quant Time: Dec 08 22:29:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

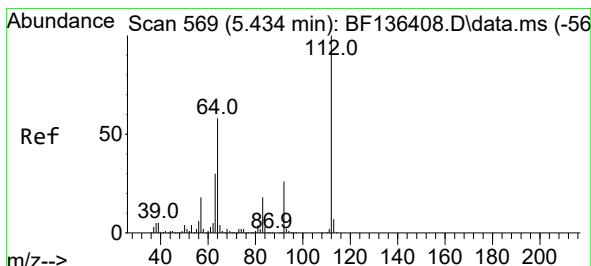
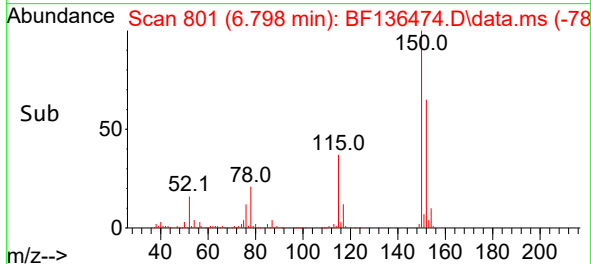
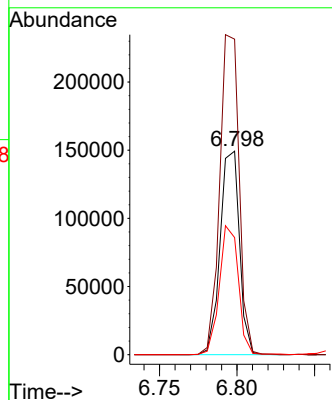
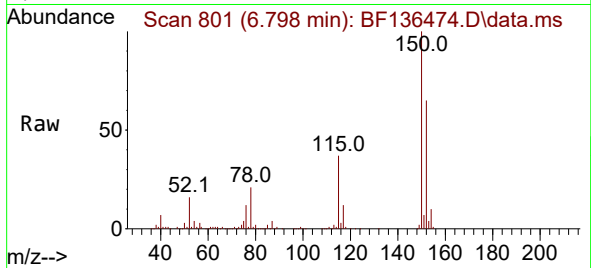




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

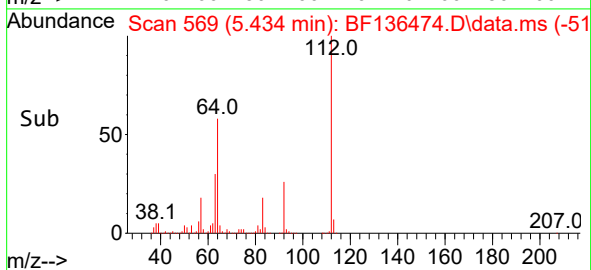
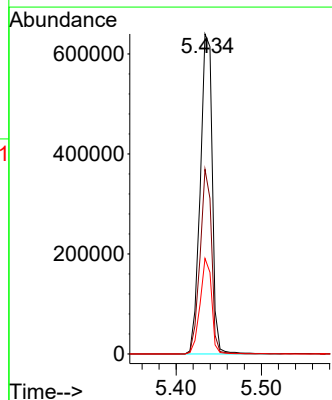
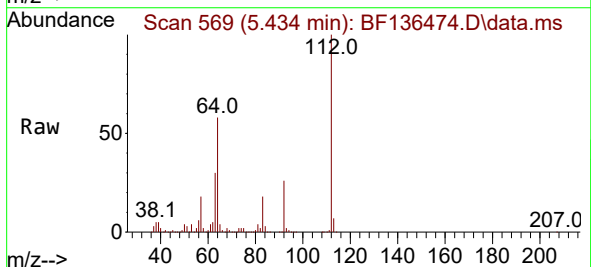
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

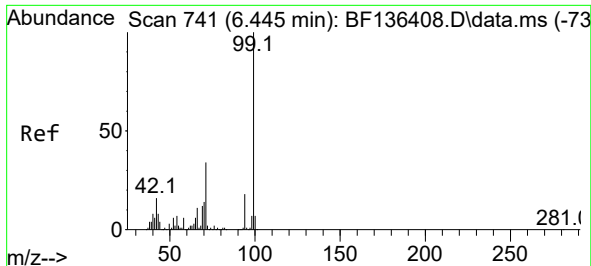
Tgt Ion:152 Resp: 129574
Ion Ratio Lower Upper
152 100
150 155.0 126.4 189.6
115 57.6 48.2 72.4



#5
2-Fluorophenol
Concen: 71.762 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:112 Resp: 629630
Ion Ratio Lower Upper
112 100
64 57.7 46.5 69.7
63 29.9 23.9 35.9

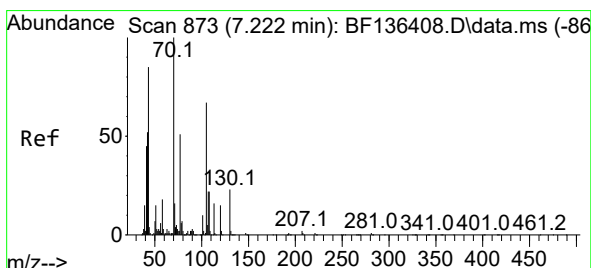
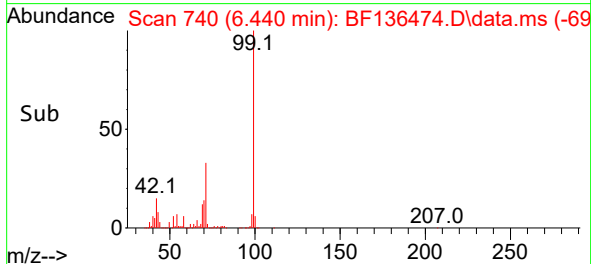
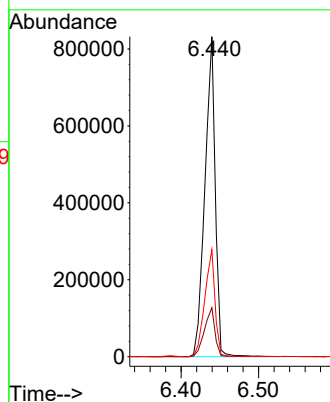
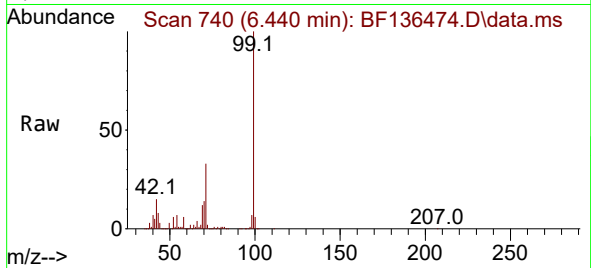




#7
Phenol-d6
Concen: 70.651 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

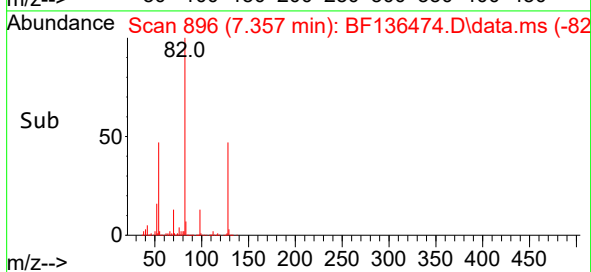
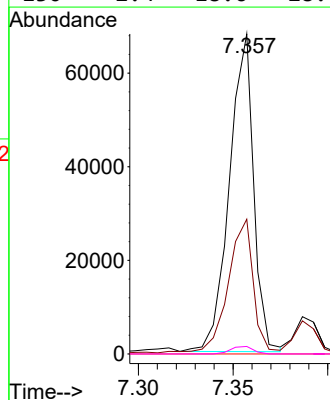
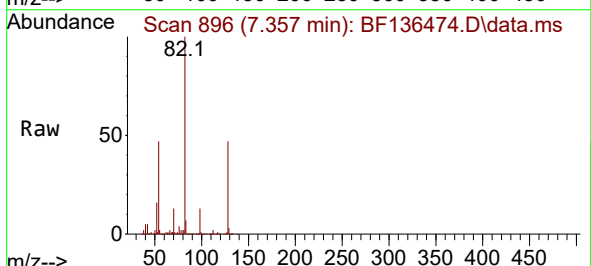
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

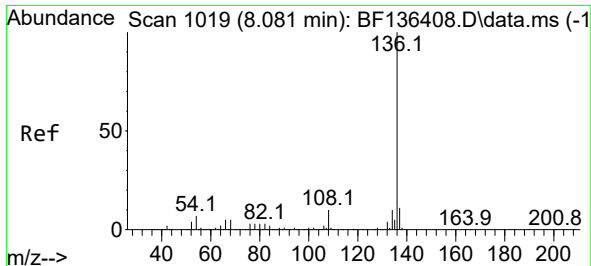
Tgt Ion: 99 Resp: 773399
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 33.4 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.574 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion: 70 Resp: 60457
Ion Ratio Lower Upper
70 100
42 42.1 41.4 62.0
101 0.0 8.2 12.4#
130 2.4 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

Tgt Ion:136 Resp: 487451

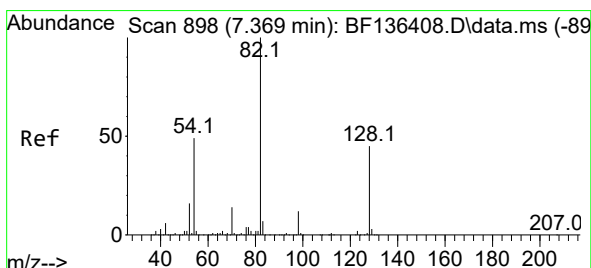
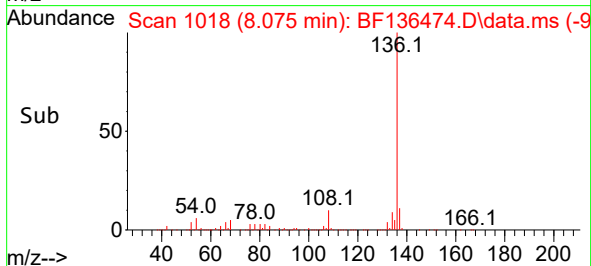
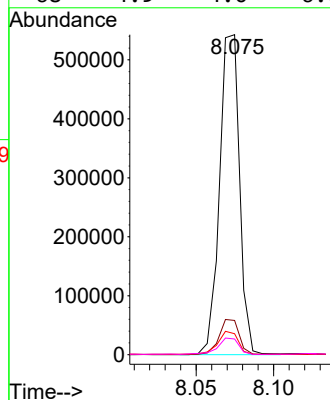
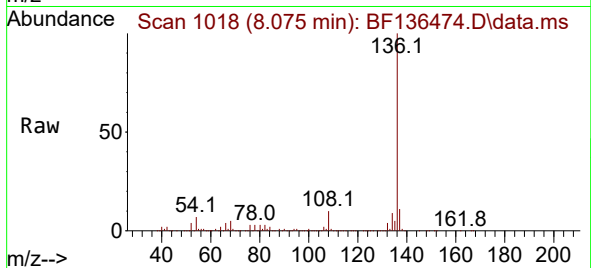
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.6 5.7 8.5

68 4.9 4.0 6.0



#23

Nitrobenzene-d5

Concen: 50.356 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

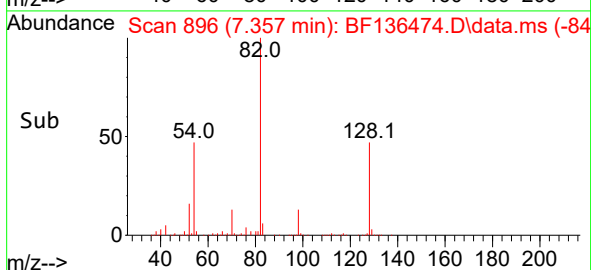
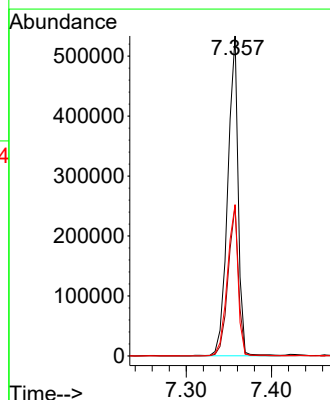
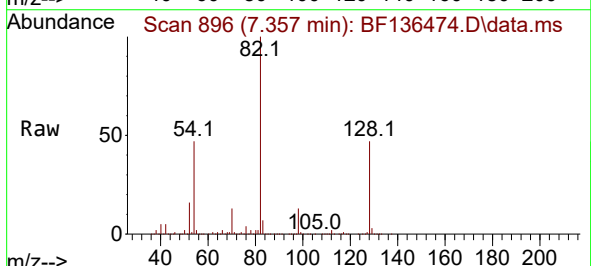
Tgt Ion: 82 Resp: 454050

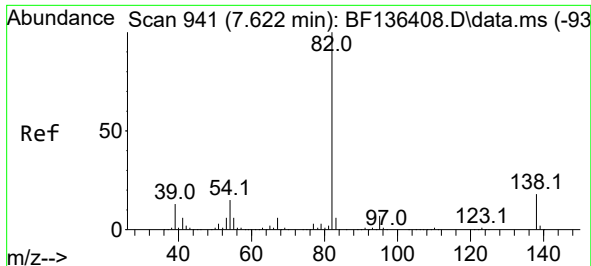
Ion Ratio Lower Upper

82 100

128 47.0 36.3 54.5

54 47.3 39.0 58.6

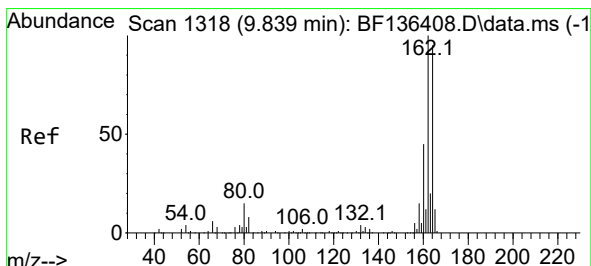
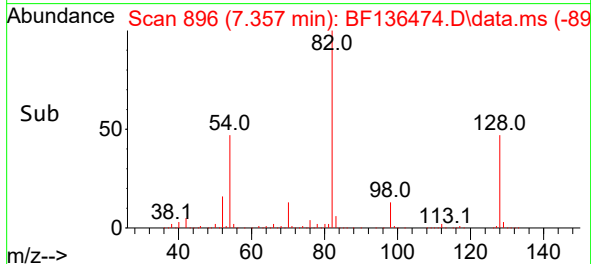
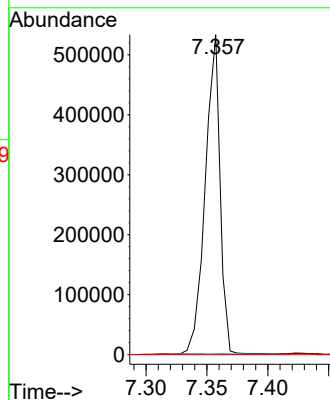
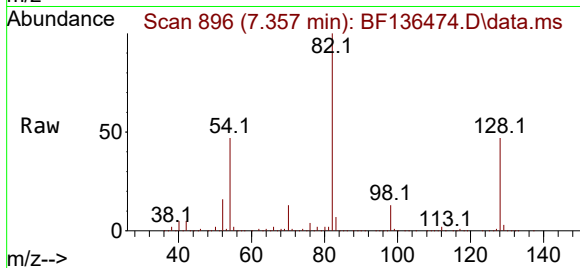




#25
Isophorone
Concen: 27.765 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

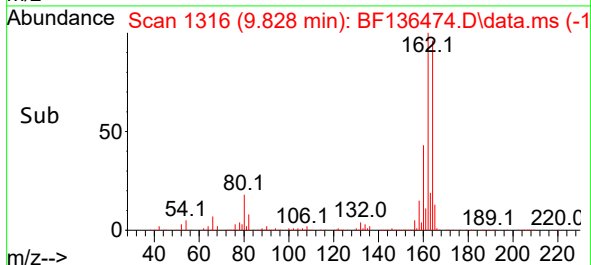
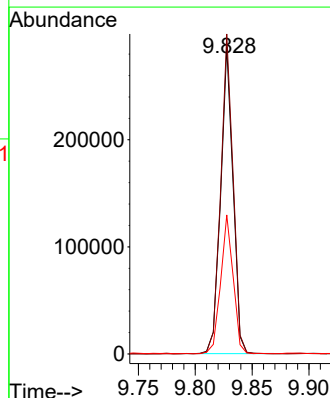
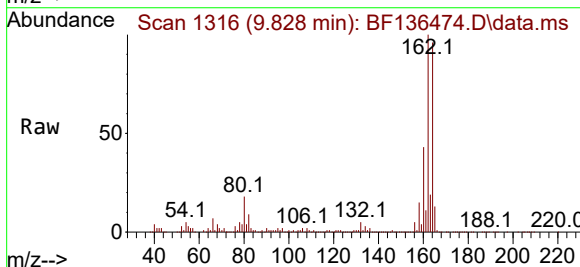
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

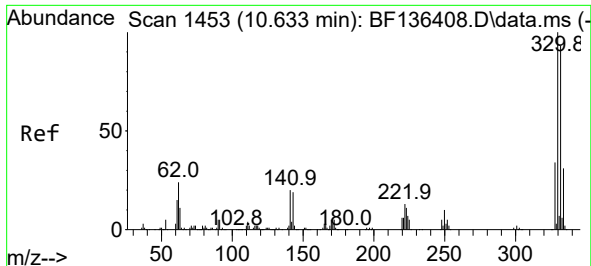
Tgt Ion: 82 Resp: 449788
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:164 Resp: 217558
Ion Ratio Lower Upper
164 100
162 104.1 84.4 126.6
160 45.2 37.6 56.4

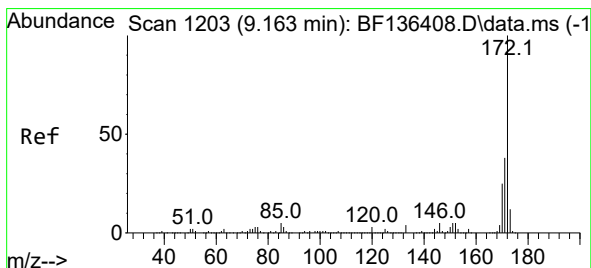
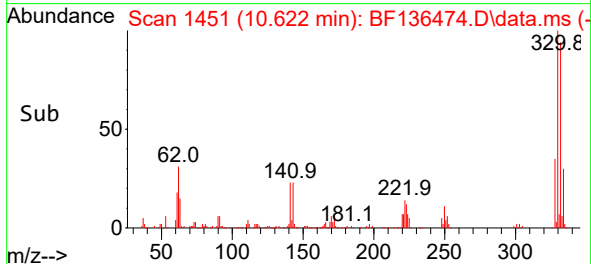
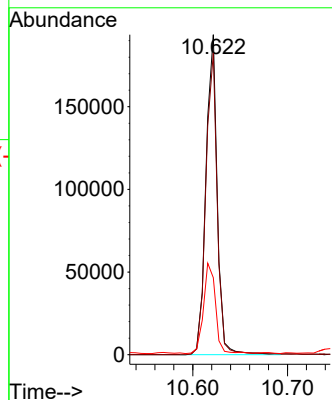
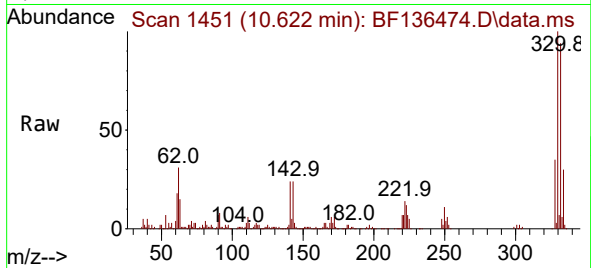




#42
2,4,6-Tribromophenol
Concen: 59.867 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

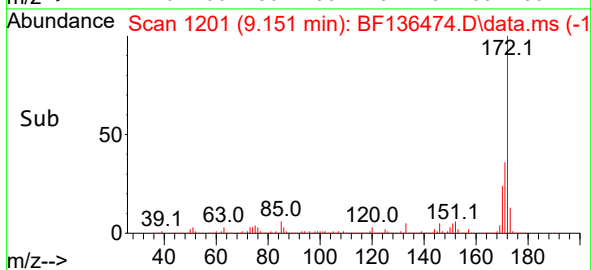
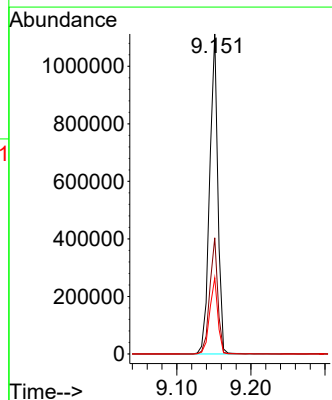
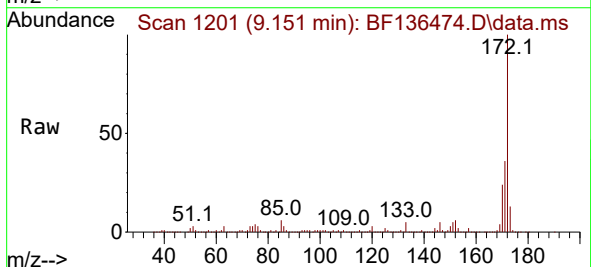
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

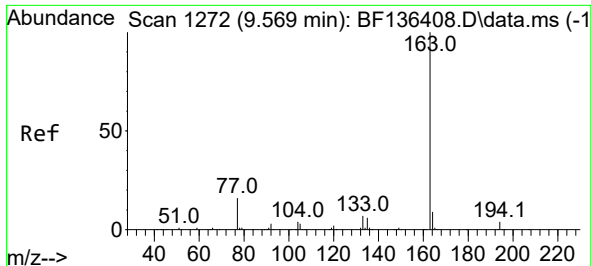
Tgt Ion:330 Resp: 160593
Ion Ratio Lower Upper
330 100
332 95.2 76.4 114.6
141 29.9 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 53.836 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:172 Resp: 858370
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 23.8 19.9 29.9

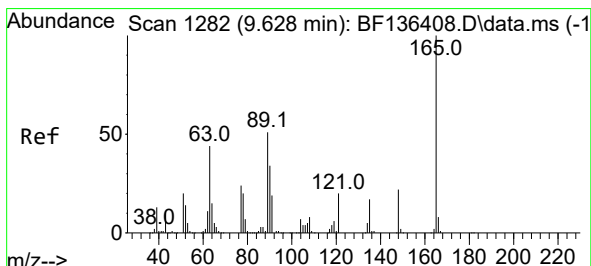
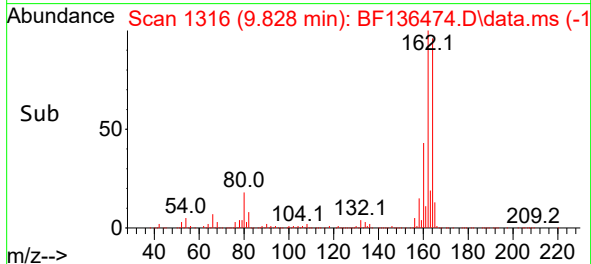
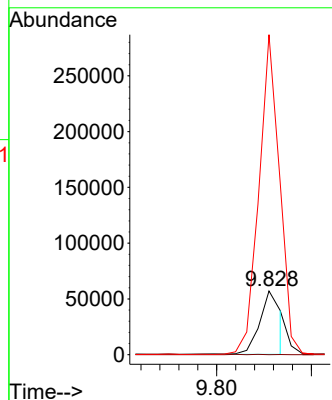
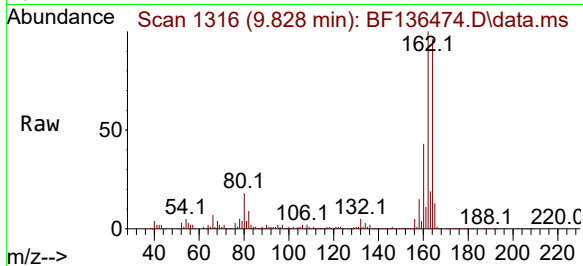




#50
Dimethylphthalate
Concen: 2.734 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

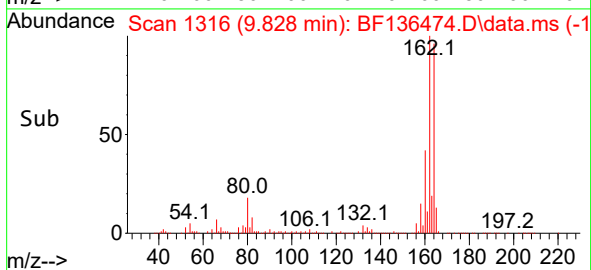
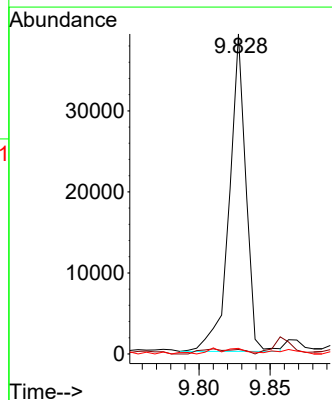
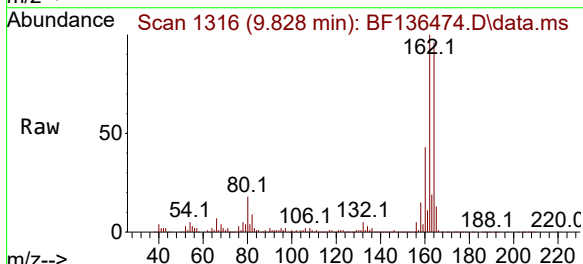
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

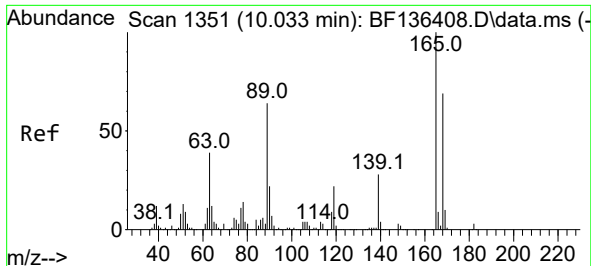
Tgt Ion:163 Resp: 43787
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 502.2 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 8.821 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:165 Resp: 31785
Ion Ratio Lower Upper
165 100
63 1.4 40.4 60.6#
89 1.8 40.6 60.8#

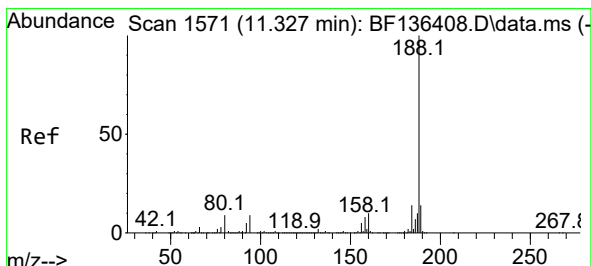
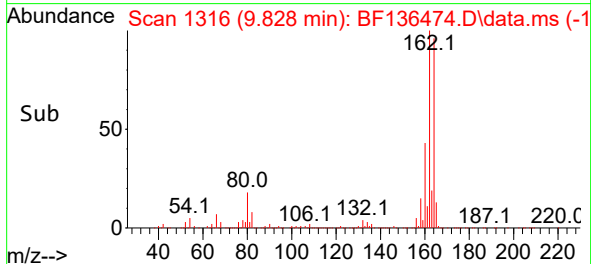
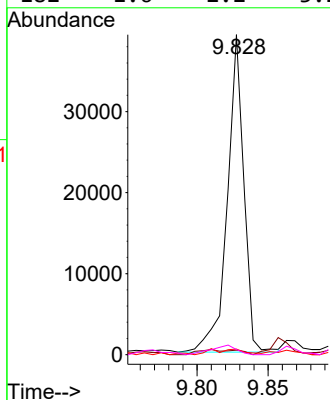
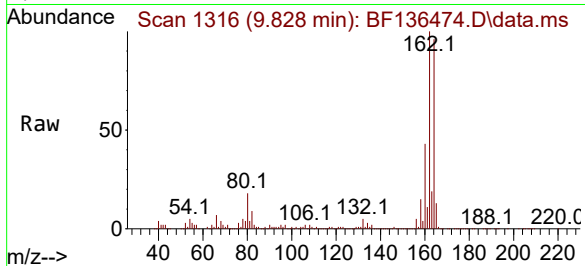




#57
2,4-Dinitrotoluene
Concen: 6.668 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

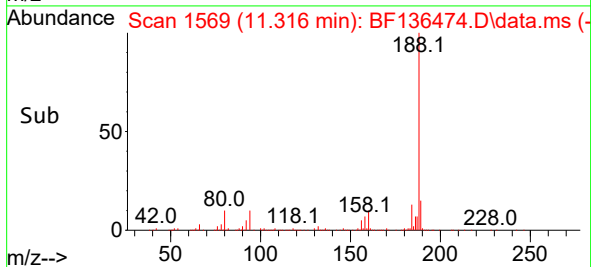
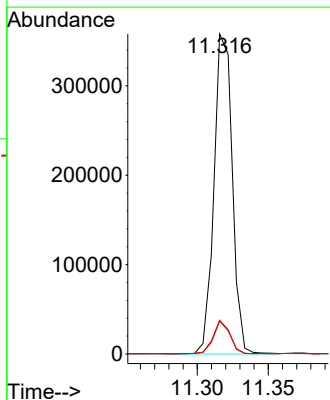
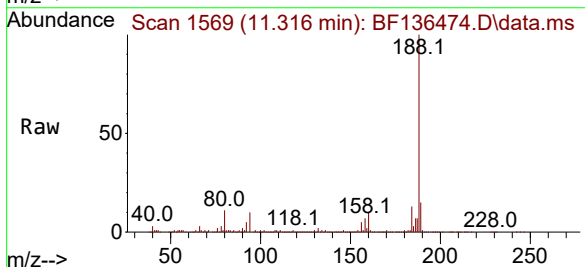
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

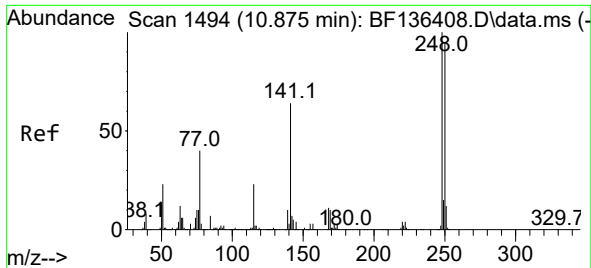
Tgt Ion:165 Resp: 31785
Ion Ratio Lower Upper
165 100
63 1.4 31.4 47.2#
89 1.8 51.7 77.5#
182 1.6 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:188 Resp: 320276
Ion Ratio Lower Upper
188 100
94 10.3 7.2 10.8
80 10.6 7.2 10.8

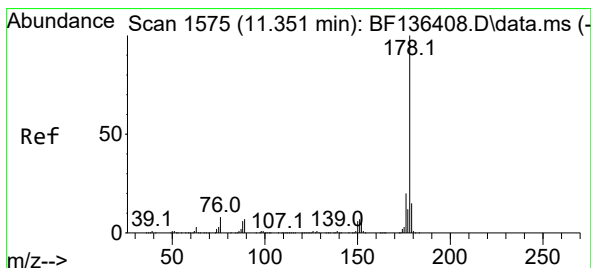
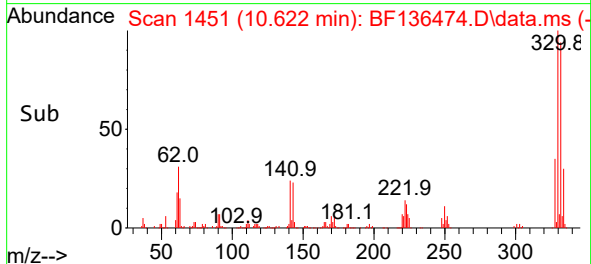
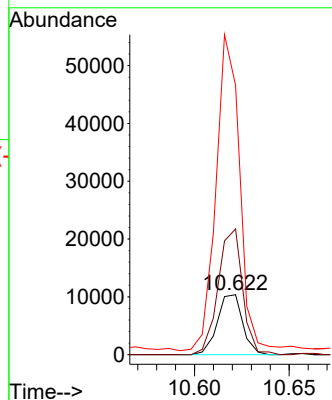
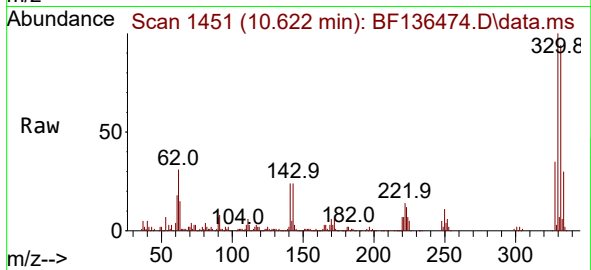




#67
4-Bromophenyl-phenylether
Concen: 2.594 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

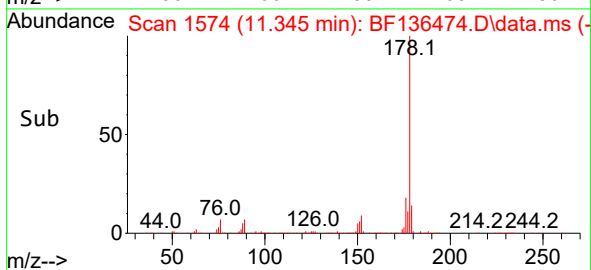
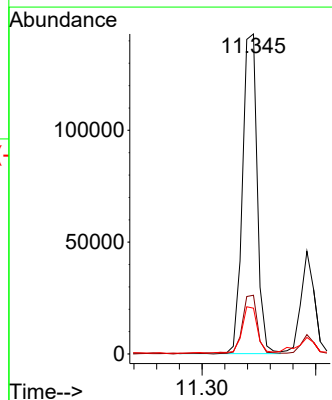
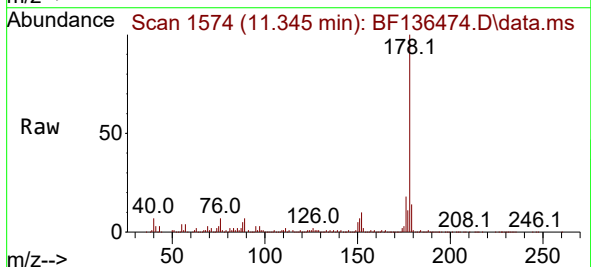
Instrument :
BNA_F
ClientSampleId :
TR-05-120523

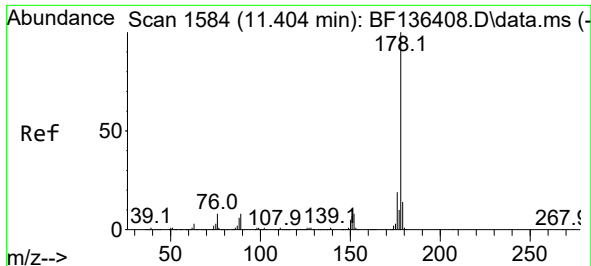
Tgt Ion:248 Resp: 9659
Ion Ratio Lower Upper
248 100
250 209.6 76.2 114.2#
141 449.2 51.0 76.4#



#71
Phenanthrene
Concen: 7.322 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:178 Resp: 128892
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.3 11.8 17.6

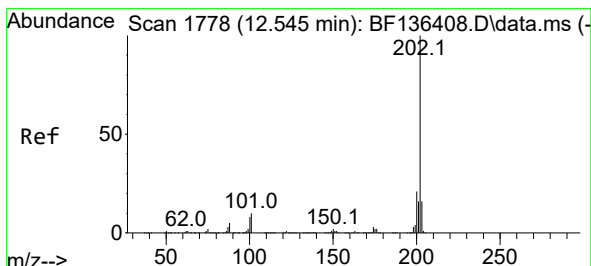
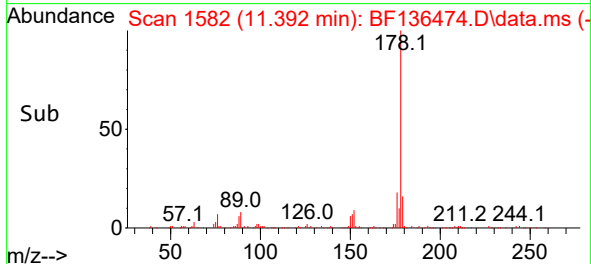
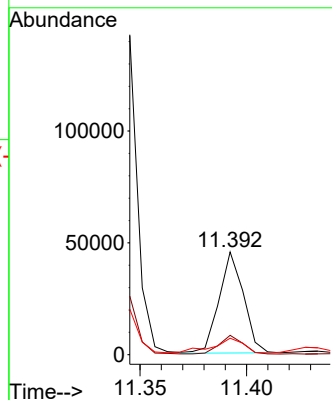
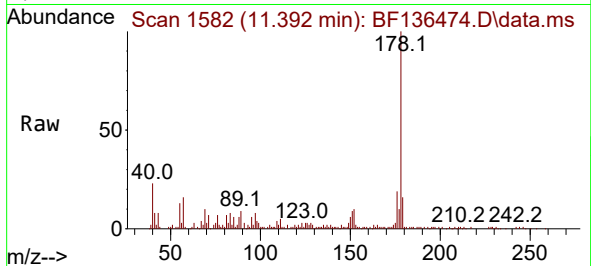




#72
 Anthracene
 Concen: 2.044 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136474.D
 Acq: 08 Dec 2023 18:40

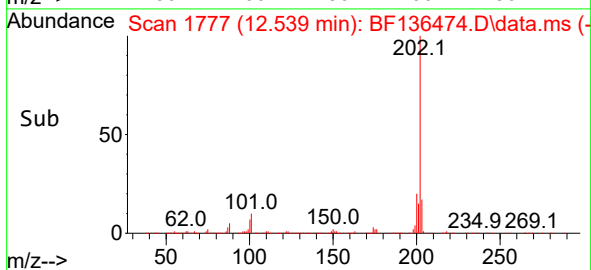
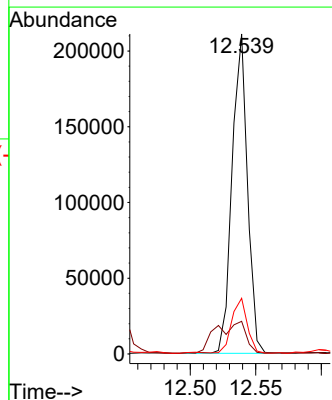
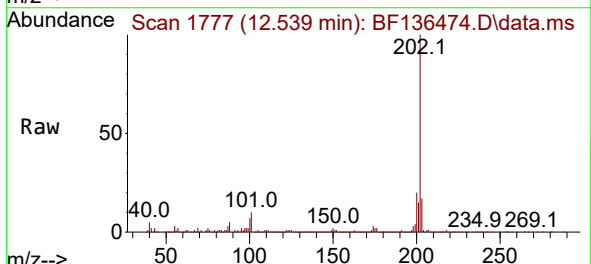
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-120523

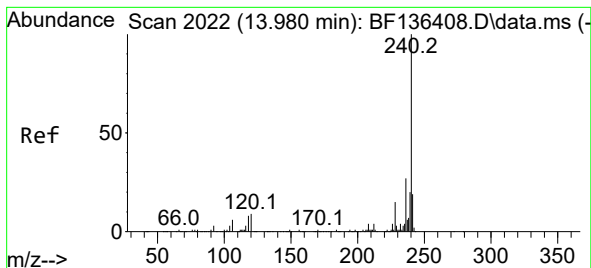
Tgt Ion:178 Resp: 36238
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 16.0 11.4 17.0



#75
 Fluoranthene
 Concen: 9.339 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF136474.D
 Acq: 08 Dec 2023 18:40

Tgt Ion:202 Resp: 172286
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.9
 203 17.4 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

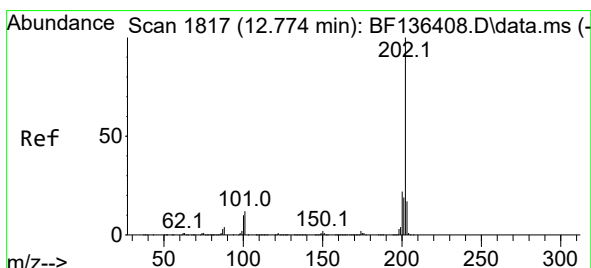
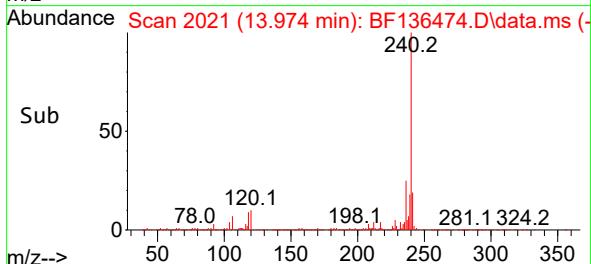
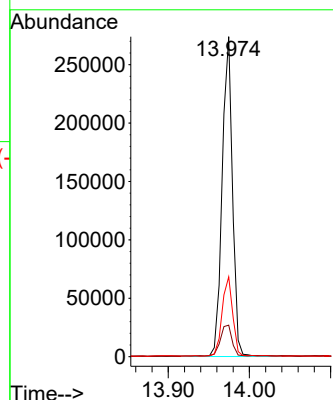
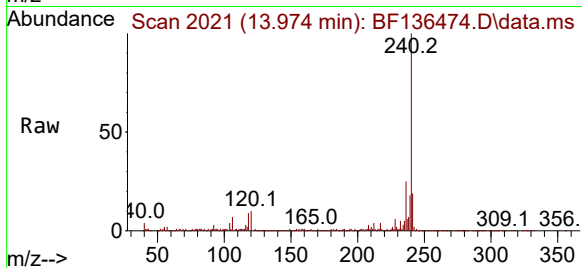
Tgt Ion:240 Resp: 242427

Ion Ratio Lower Upper

240 100

120 9.9 7.3 10.9

236 25.0 21.3 31.9



#78

Pyrene

Concen: 6.413 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

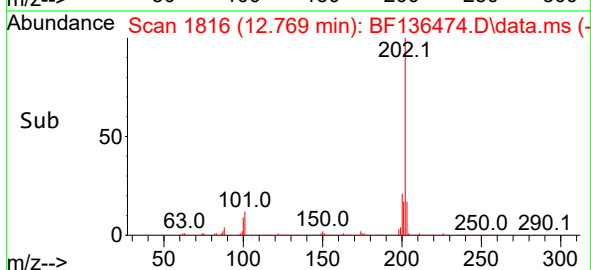
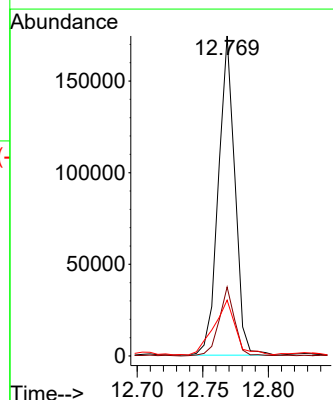
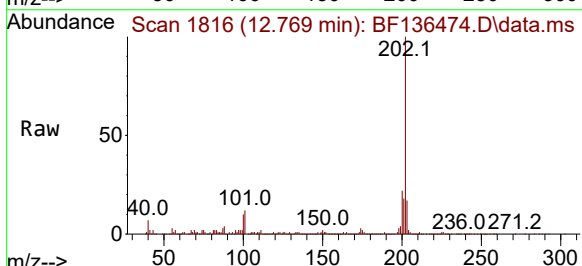
Tgt Ion:202 Resp: 152251

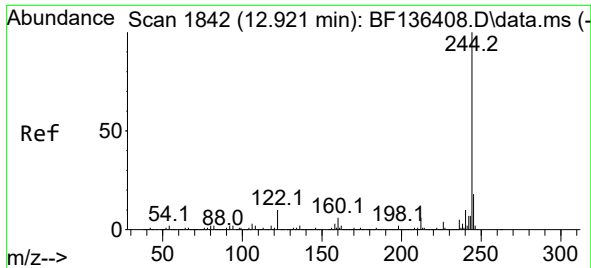
Ion Ratio Lower Upper

202 100

200 21.5 18.0 27.0

203 17.5 13.5 20.3

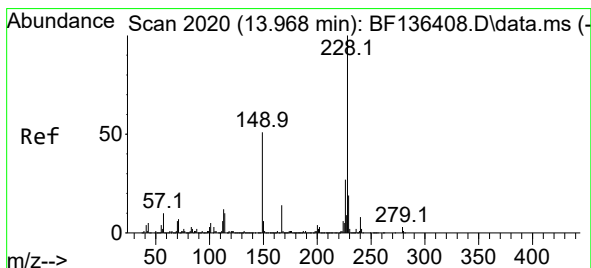
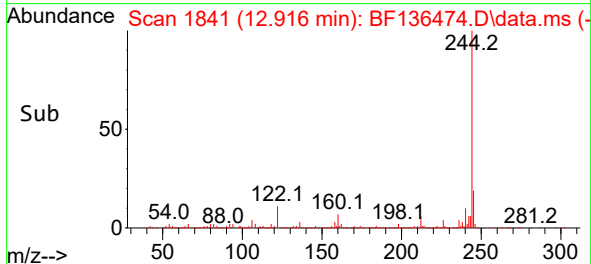
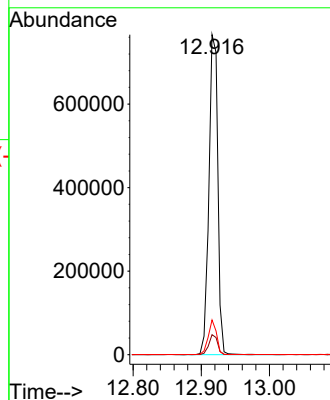
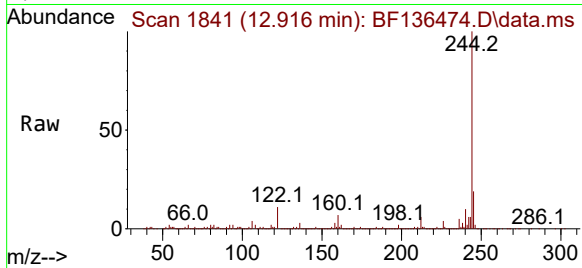




#79
 Terphenyl-d14
 Concen: 37.805 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136474.D
 Acq: 08 Dec 2023 18:40

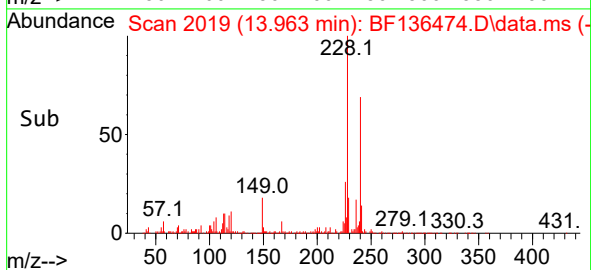
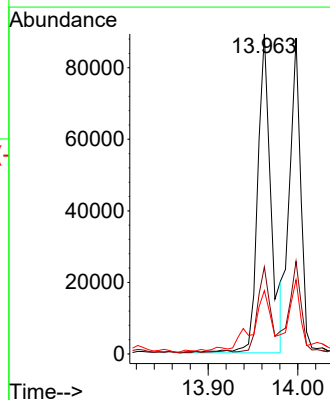
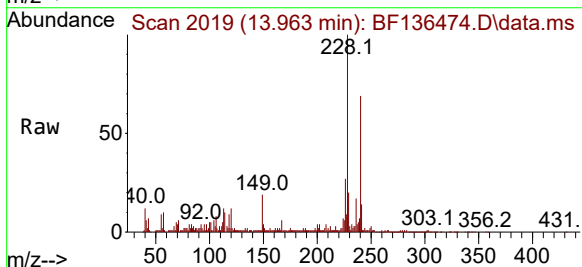
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-120523

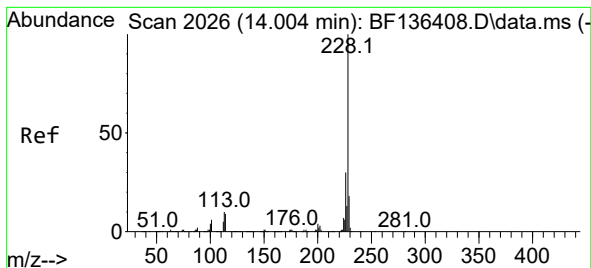
Tgt Ion:244 Resp: 695343
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 10.9 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 5.457 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136474.D
 Acq: 08 Dec 2023 18:40

Tgt Ion:228 Resp: 92155
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.8 32.8
 229 19.8 15.0 22.4





#83

Chrysene

Concen: 5.547 ng

RT: 13.963 min Scan# 2026

Delta R.T. -0.041 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

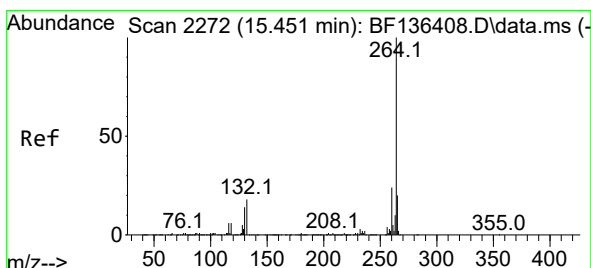
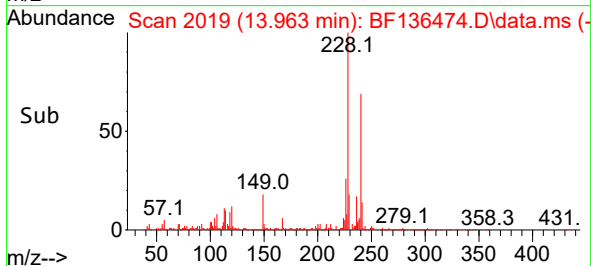
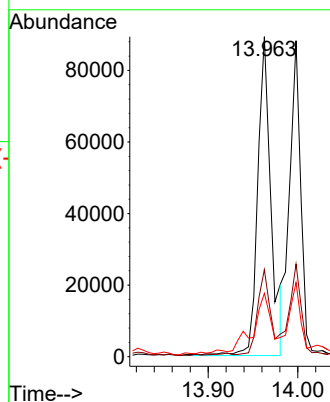
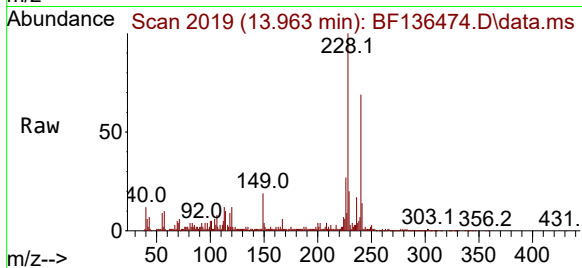
Tgt Ion:228 Resp: 92155

Ion Ratio Lower Upper

228 100

226 27.2 23.8 35.6

229 19.8 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

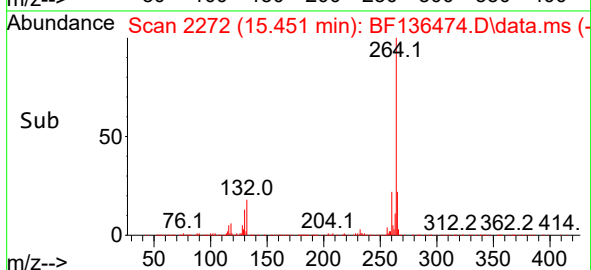
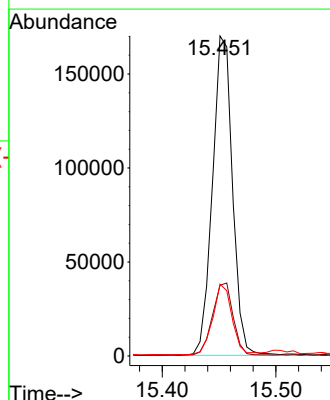
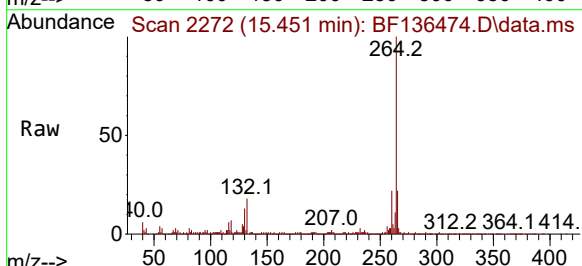
Tgt Ion:264 Resp: 208138

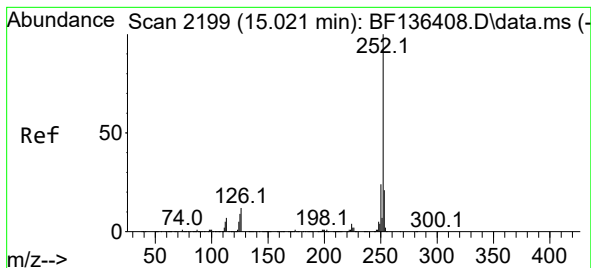
Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

265 22.5 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 7.635 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

Instrument :

BNA_F

ClientSampleId :

TR-05-120523

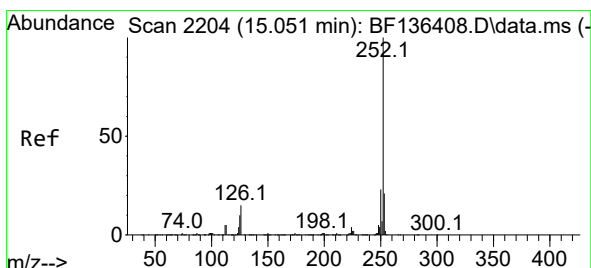
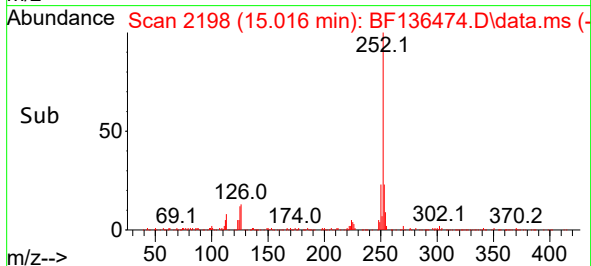
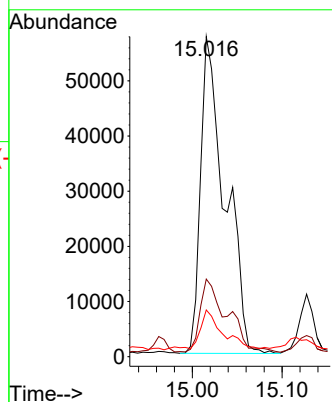
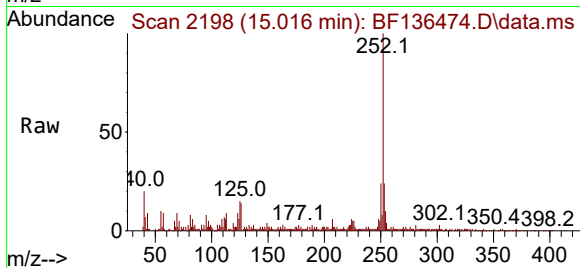
Tgt Ion:252 Resp: 108646

Ion Ratio Lower Upper

252 100

253 24.3 16.9 25.3

125 14.6 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 8.101 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136474.D

Acq: 08 Dec 2023 18:40

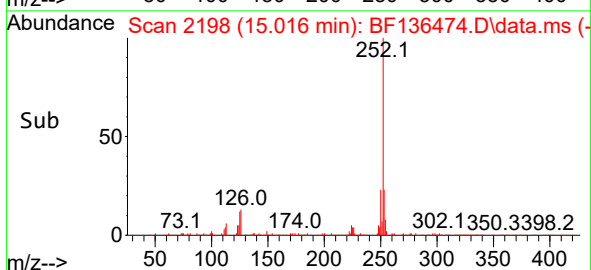
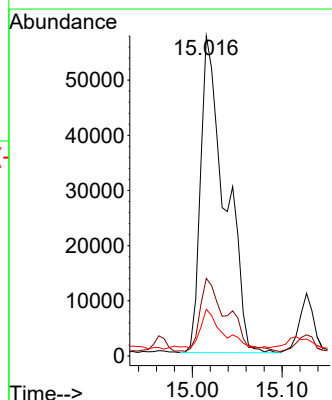
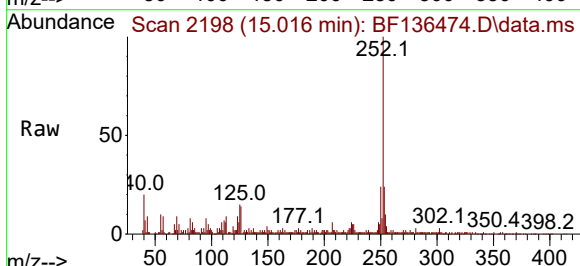
Tgt Ion:252 Resp: 108646

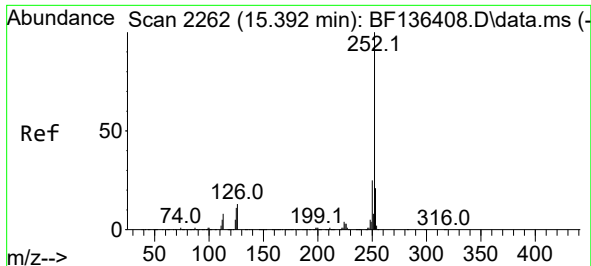
Ion Ratio Lower Upper

252 100

253 24.3 16.9 25.3

125 14.6 7.5 11.3#

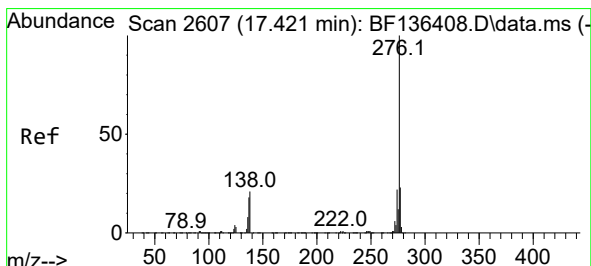
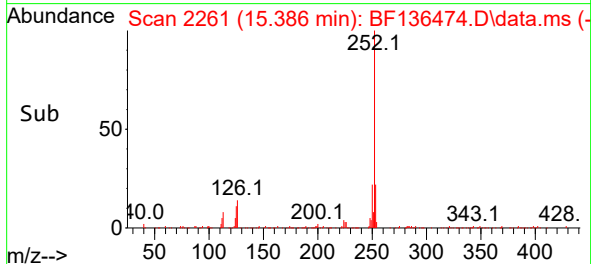
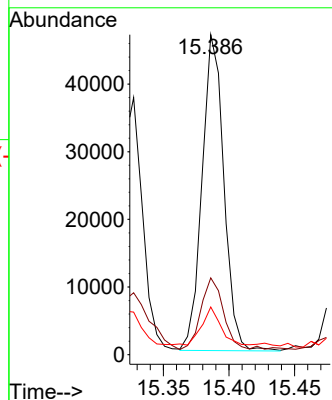
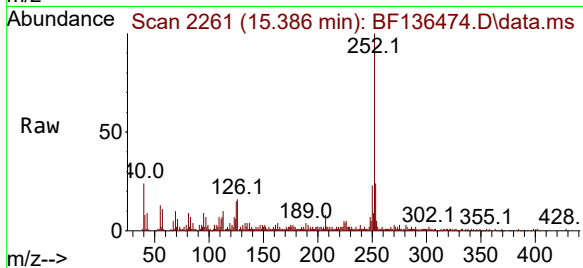




#90
Benzo(a)pyrene
Concen: 4.608 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Instrument :
BNA_F
ClientSampleId :
TR-05-120523

Tgt Ion:252 Resp: 54157
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 14.9 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.474 ng
RT: 17.404 min Scan# 2604
Delta R.T. -0.018 min
Lab File: BF136474.D
Acq: 08 Dec 2023 18:40

Tgt Ion:276 Resp: 30078
Ion Ratio Lower Upper
276 100
277 27.8 18.7 28.1
138 22.7 16.6 25.0

