

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136534.D
 Acq On : 13 Dec 2023 13:05
 Operator : CG\JU
 Sample : 05657-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 205-199

Quant Time: Dec 13 13:39:54 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)

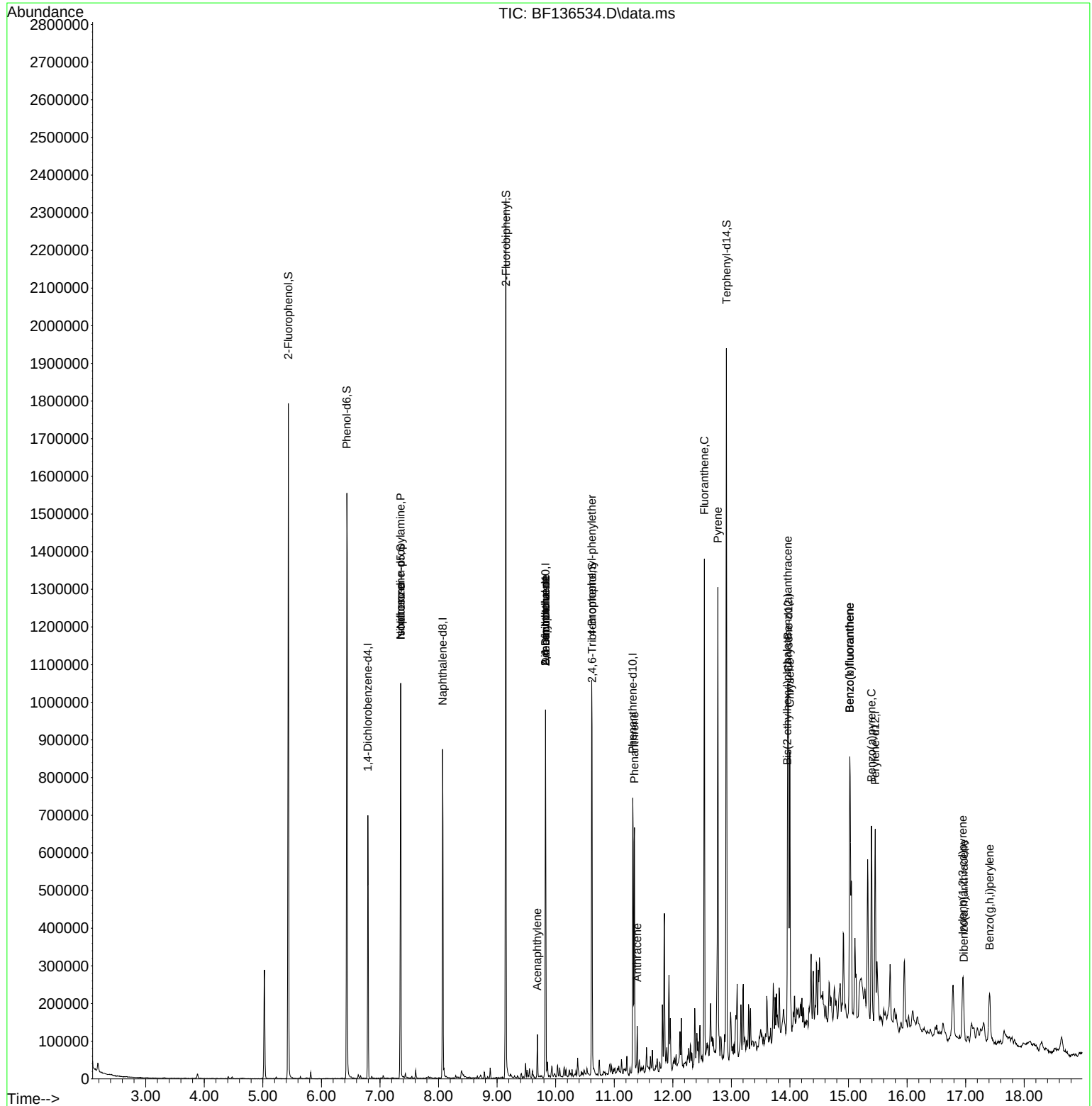
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	99552	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	381849	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	180694	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	275738	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	205851	20.000	ng	0.00
86) Perylene-d12	15.457	264	231188	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	480024	71.210	ng	0.00
7) Phenol-d6	6.434	99	583944	69.431	ng	-0.01
23) Nitrobenzene-d5	7.351	82	359800	50.939	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	138289	62.069	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	750487	56.673	ng	-0.01
79) Terphenyl-d14	12.916	244	621994	39.826	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	527	Below Cal	#	56
19) n-Nitroso-di-n-propyla...	7.351	70	47182	9.725	ng	# 76
25) Isophorone	7.351	82	359797	28.353	ng	# 65
49) Acenaphthylene	9.686	152	39463	2.315	ng	# 98
50) Dimethylphthalate	9.828	163	36088	2.713	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	23687	7.914	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	23687	5.983	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	8688	2.710	ng	# 1
71) Phenanthrene	11.345	178	250916	16.556	ng	# 98
72) Anthracene	11.392	178	43826	2.871	ng	# 99
75) Fluoranthene	12.539	202	479788	30.209	ng	# 98
77) Benzidine	12.686	184	349	Below Cal	#	1
78) Pyrene	12.769	202	476050	23.613	ng	# 98
81) Benzo(a)anthracene	13.963	228	262829	18.330	ng	# 94
83) Chrysene	13.998	228	272674	19.328	ng	# 97
84) Bis(2-ethylhexyl)phtha...	13.957	149	47900	5.444	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.951	276	123473	7.688	ng	# 95
88) Benzo(b)fluoranthene	15.021	252	540061	34.166	ng	# 98
89) Benzo(k)fluoranthene	15.021	252	540061	36.254	ng	# 98
90) Benzo(a)pyrene	15.392	252	248187	19.012	ng	# 99
91) Dibenzo(a,h)anthracene	16.968	278	30843	2.344	ng	# 97
92) Benzo(g,h,i)perylene	17.409	276	109934	8.140	ng	# 96

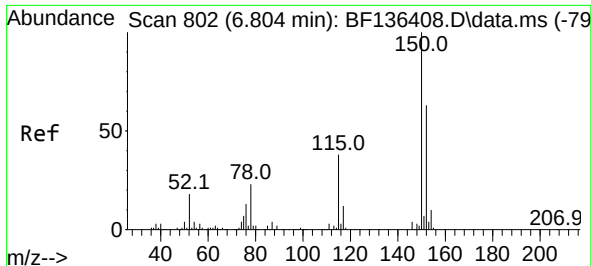
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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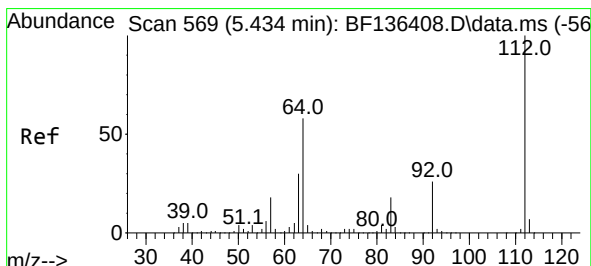
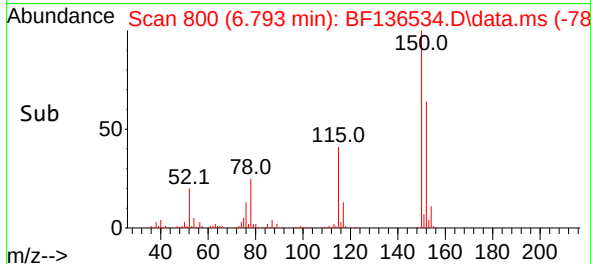
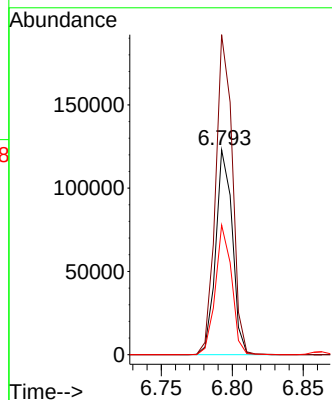
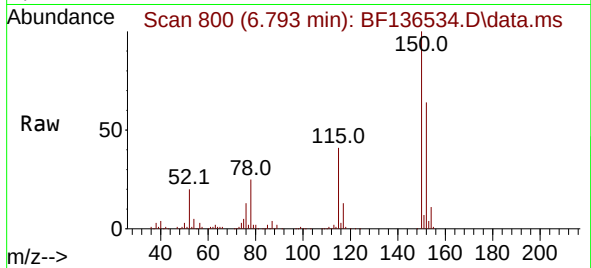




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

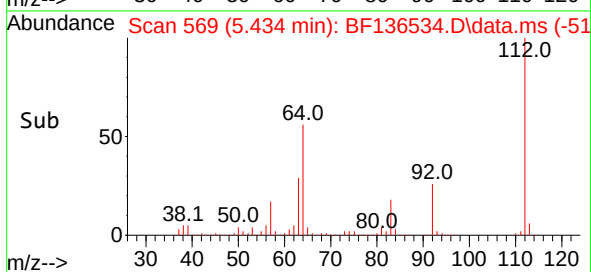
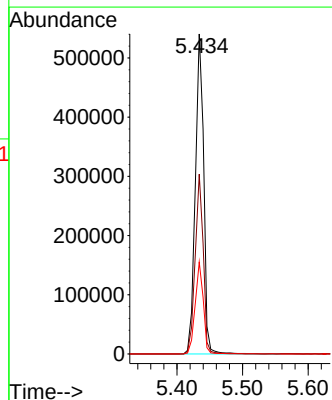
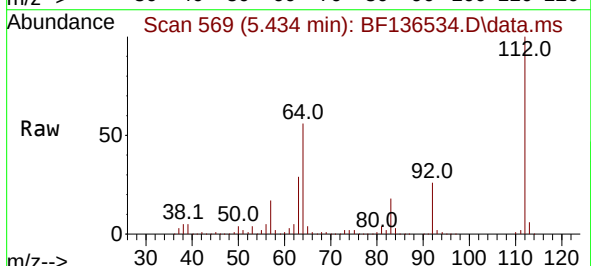
Instrument :
BNA_F
ClientSampleId :
205-199

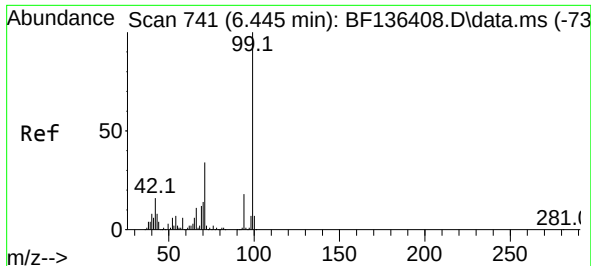
Tgt Ion:152 Resp: 99552
Ion Ratio Lower Upper
152 100
150 156.2 126.4 189.6
115 63.3 48.2 72.4



#5
2-Fluorophenol
Concen: 71.210 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:112 Resp: 480024
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 28.8 23.9 35.9

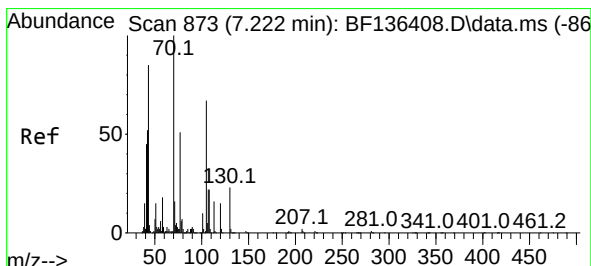
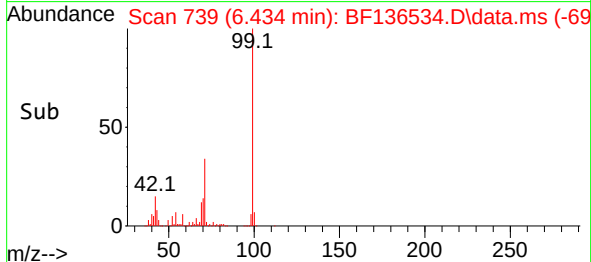
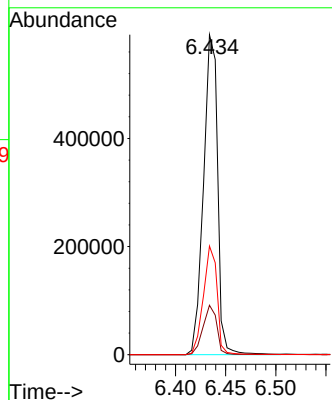
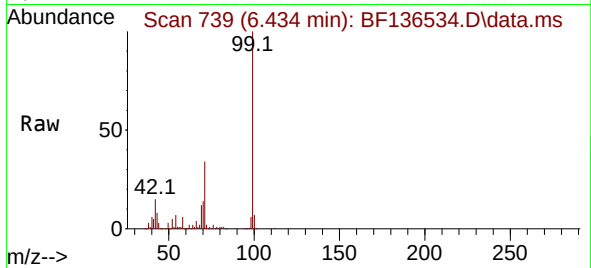




#7
Phenol-d6
Concen: 69.431 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

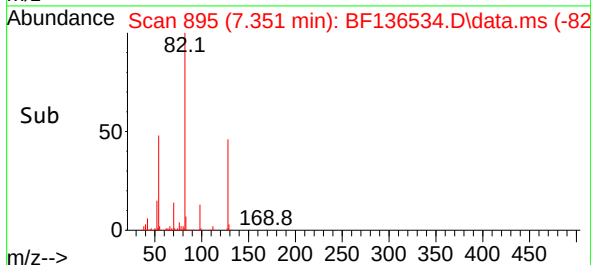
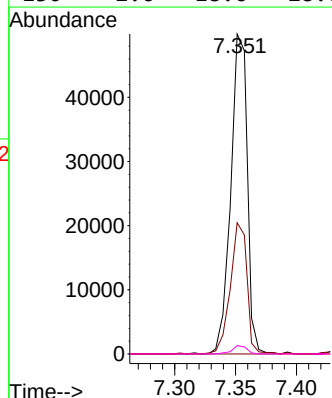
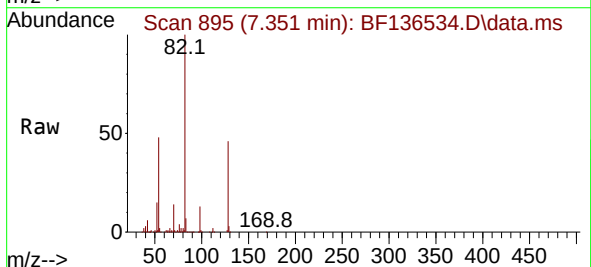
Instrument :
BNA_F
ClientSampleId :
205-199

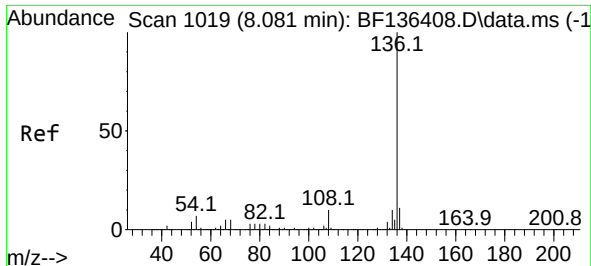
Tgt Ion: 99 Resp: 583944
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 34.0 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.725 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion: 70 Resp: 47182
Ion Ratio Lower Upper
70 100
42 41.0 41.4 62.0#
101 0.0 8.2 12.4#
130 2.6 18.6 28.0#



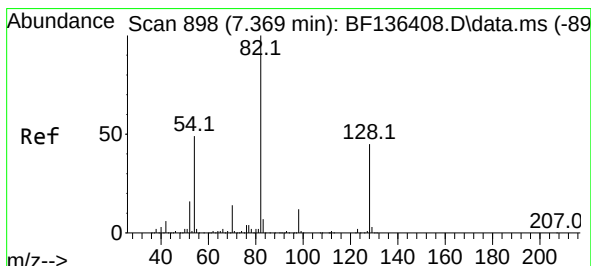
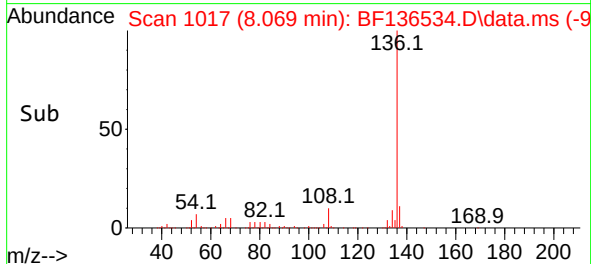
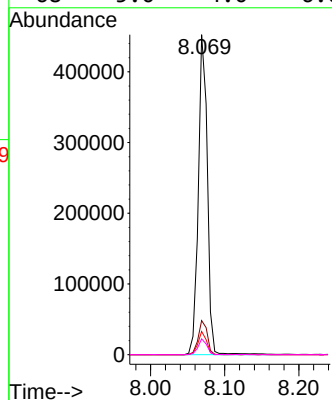
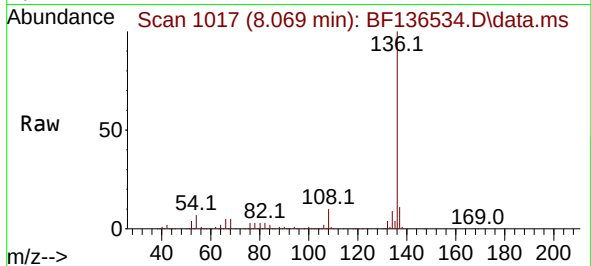


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Instrument :
BNA_F
ClientSampleId :
205-199

Tgt Ion:136 Resp: 381849

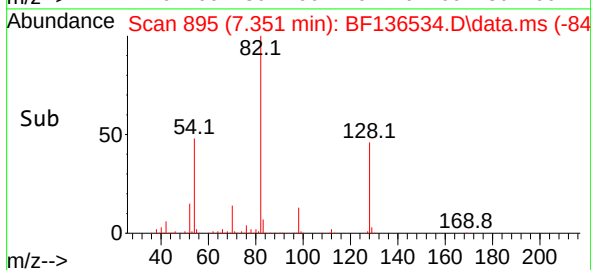
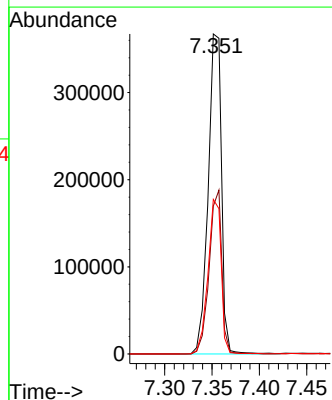
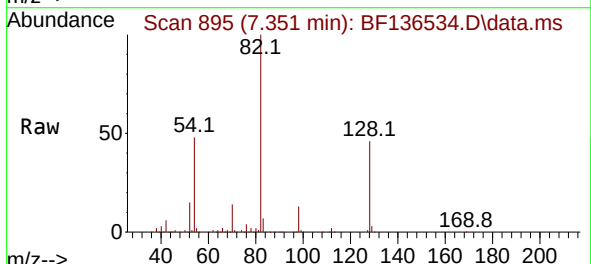
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.3	5.7	8.5
68	5.0	4.0	6.0

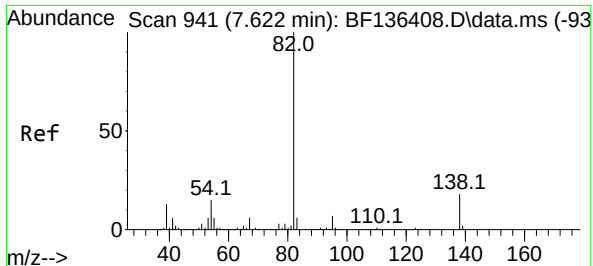


#23
Nitrobenzene-d5
Concen: 50.939 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion: 82 Resp: 359800

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	48.3	39.0	58.6

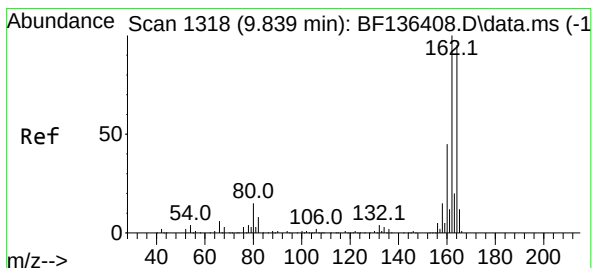
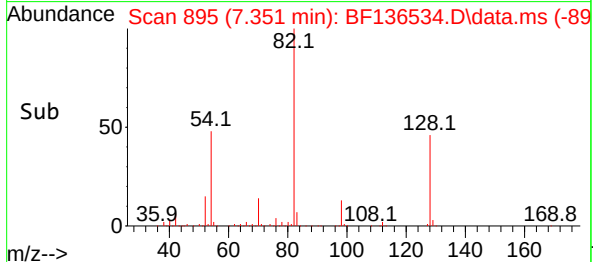
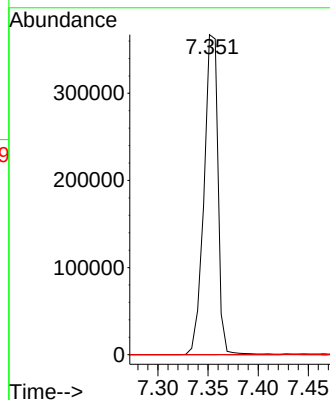
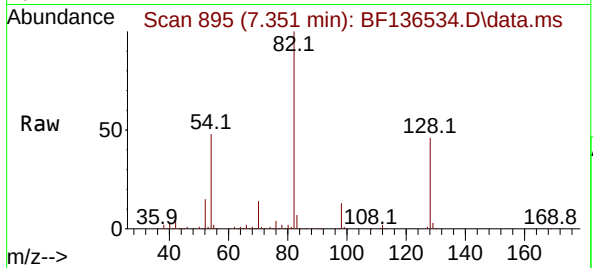




#25
Isophorone
Concen: 28.353 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

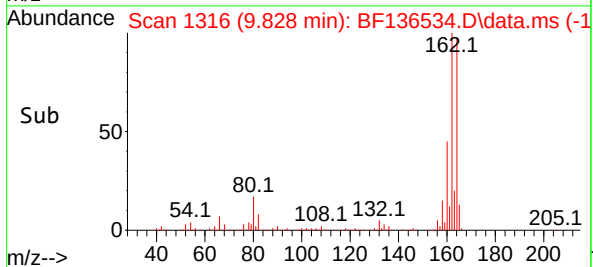
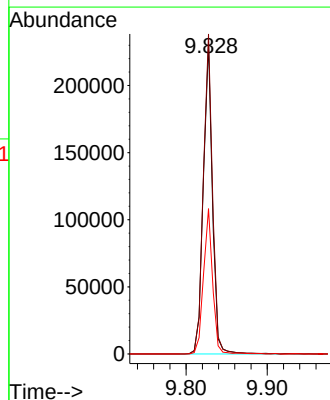
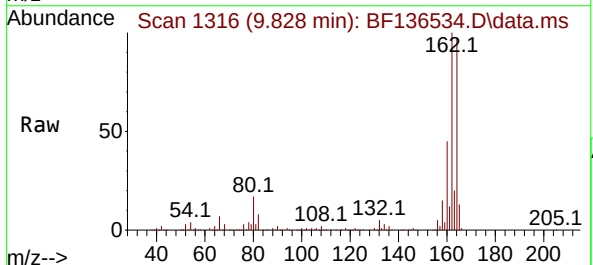
Instrument :
BNA_F
ClientSampleId :
205-199

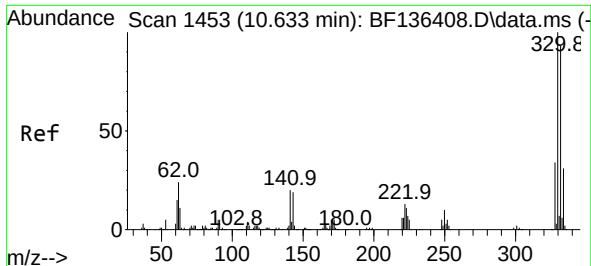
Tgt Ion: 82 Resp: 359797
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion: 164 Resp: 180694
Ion Ratio Lower Upper
164 100
162 103.2 84.4 126.6
160 46.8 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 62.069 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

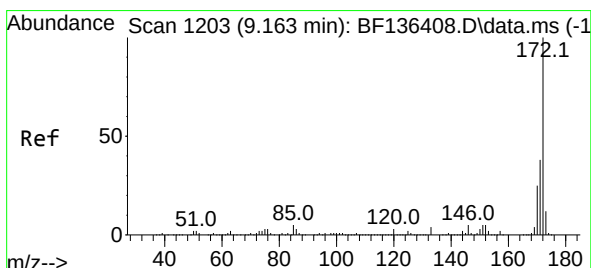
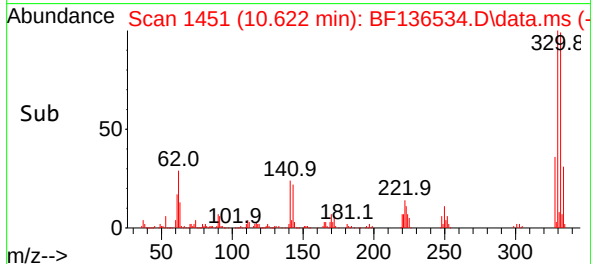
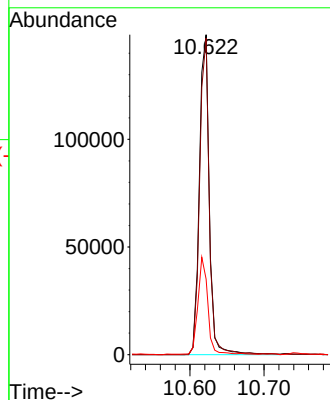
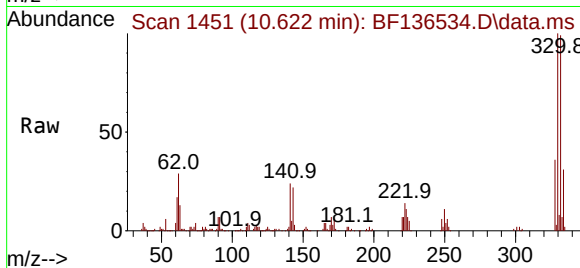
Tgt Ion:330 Resp: 138289

Ion Ratio Lower Upper

330 100

332 96.6 76.4 114.6

141 30.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 56.673 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

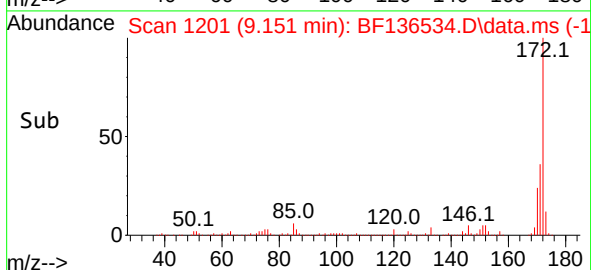
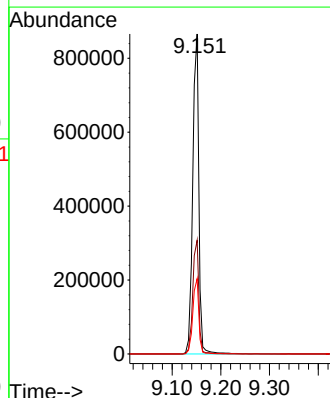
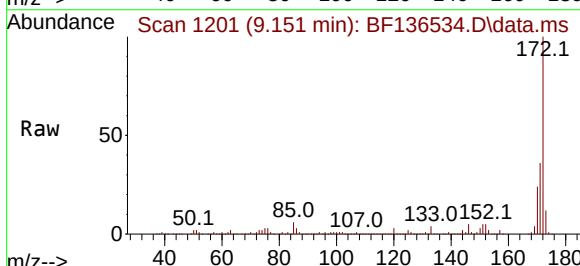
Tgt Ion:172 Resp: 750487

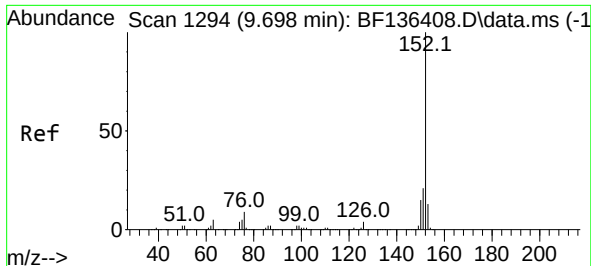
Ion Ratio Lower Upper

172 100

171 35.6 30.5 45.7

170 23.6 19.9 29.9





#49

Acenaphthylene

Concen: 2.315 ng

RT: 9.686 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

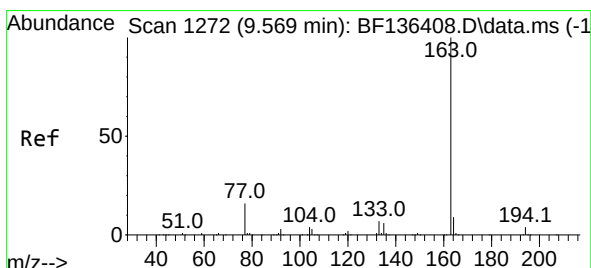
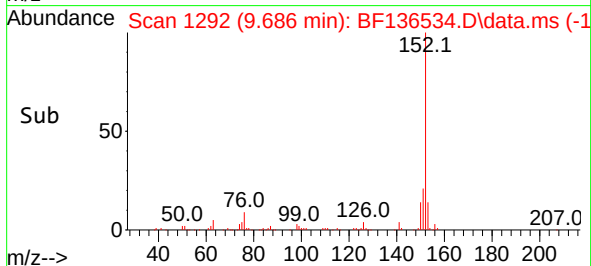
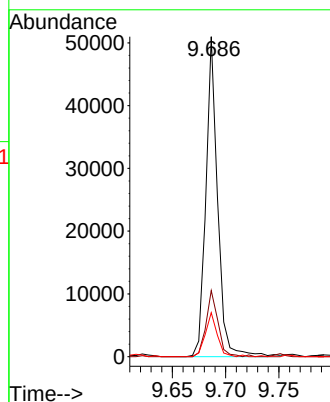
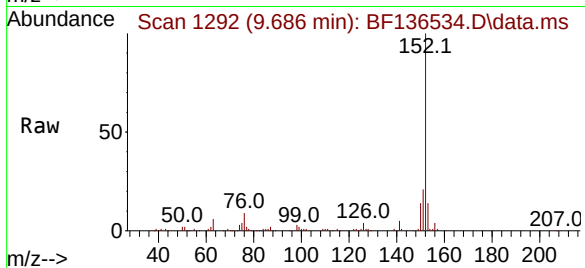
Tgt Ion:152 Resp: 39463

Ion Ratio Lower Upper

152 100

151 20.6 17.2 25.8

153 13.8 10.6 15.8



#50

Dimethylphthalate

Concen: 2.713 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

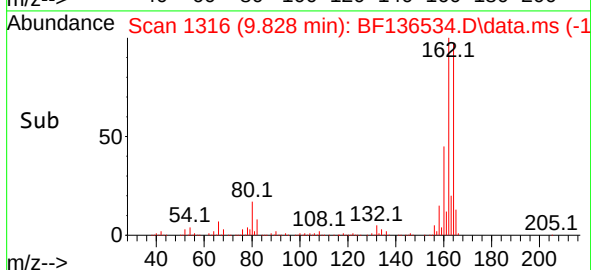
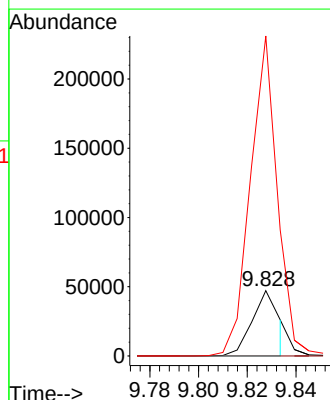
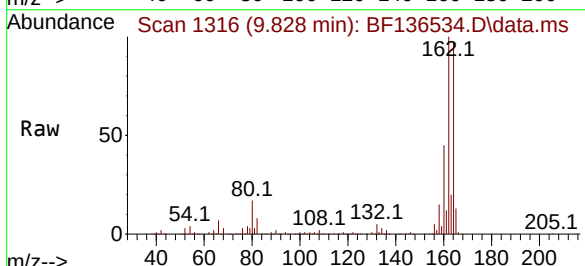
Tgt Ion:163 Resp: 36088

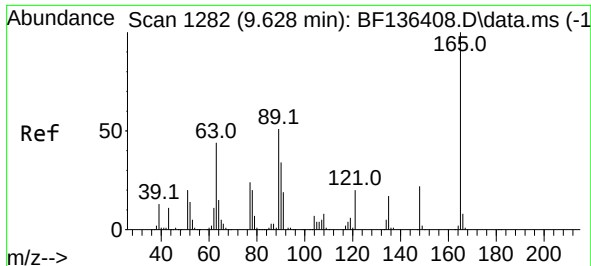
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 490.4 7.4 11.2#





#51

2,6-Dinitrotoluene

Concen: 7.914 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

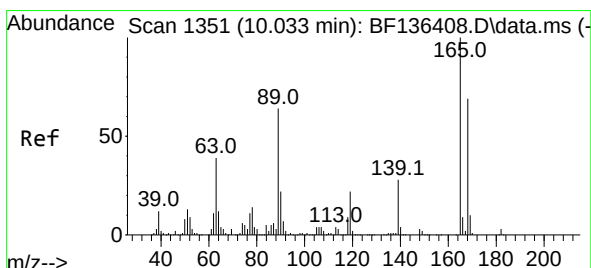
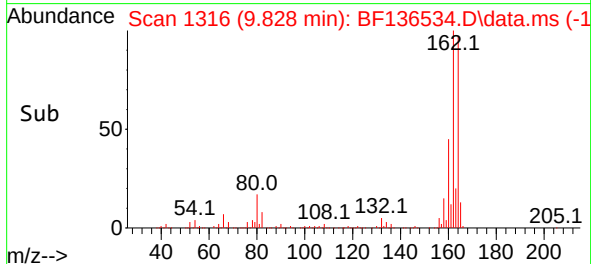
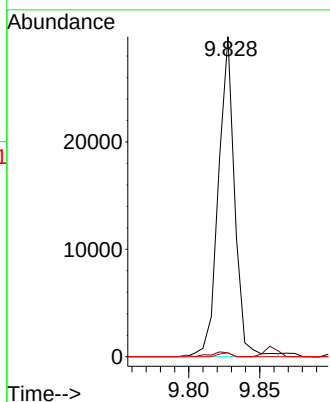
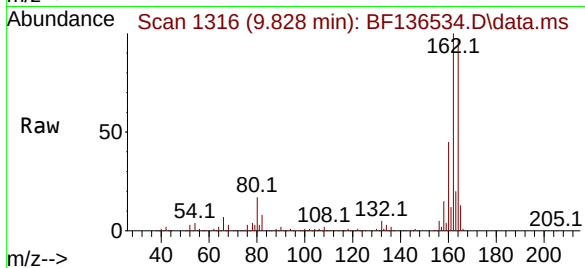
Tgt Ion:165 Resp: 23687

Ion Ratio Lower Upper

165 100

63 1.2 40.4 60.6#

89 1.2 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 5.983 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.206 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Tgt Ion:165 Resp: 23687

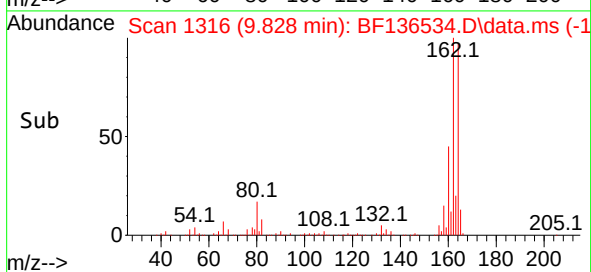
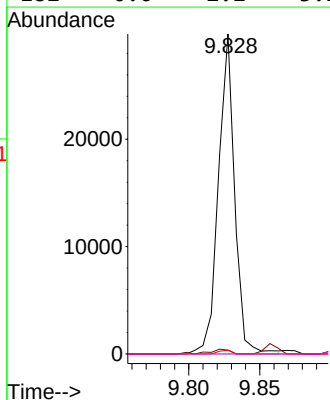
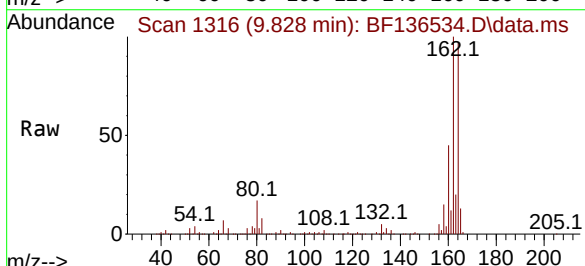
Ion Ratio Lower Upper

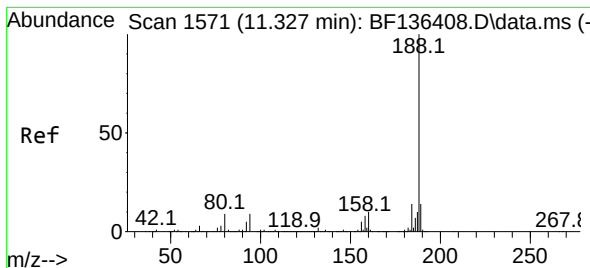
165 100

63 1.2 31.4 47.2#

89 1.2 51.7 77.5#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

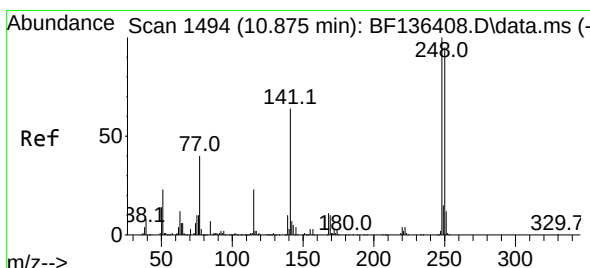
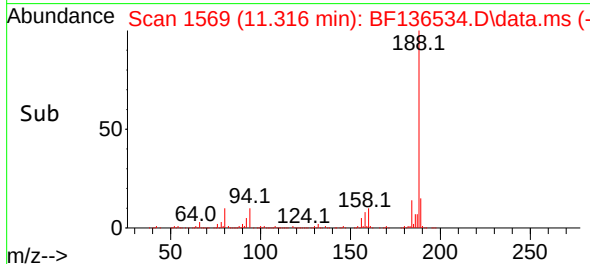
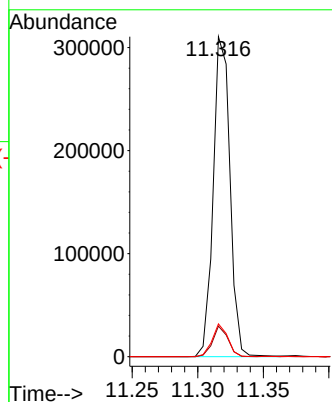
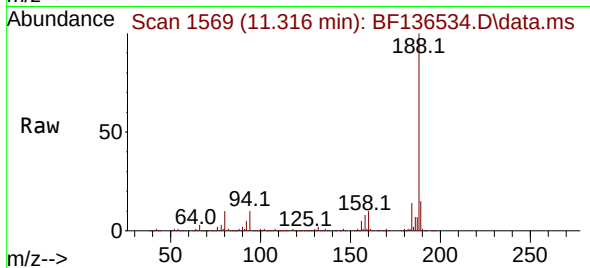
Tgt Ion:188 Resp: 275738

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

80 10.3 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.710 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.259 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

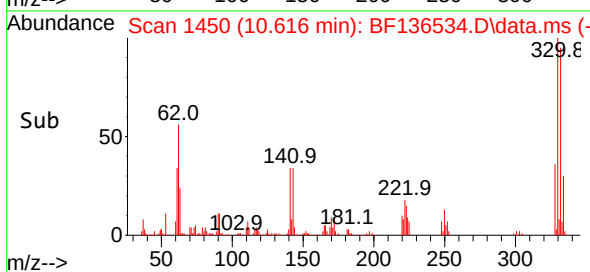
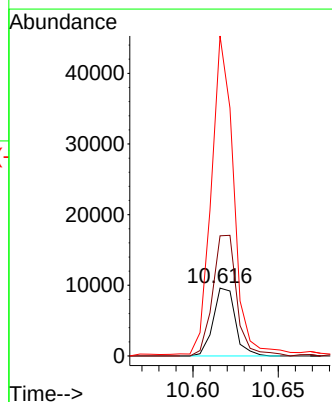
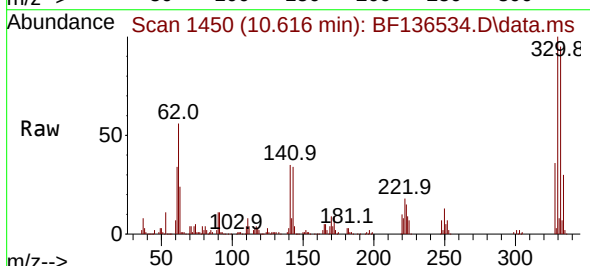
Tgt Ion:248 Resp: 8688

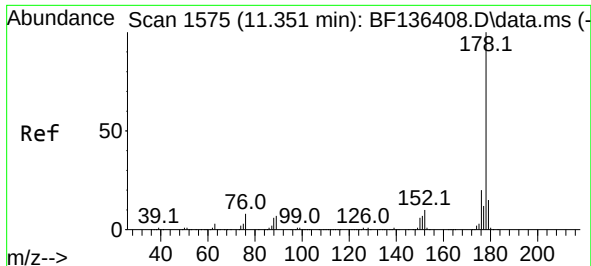
Ion Ratio Lower Upper

248 100

250 177.2 76.2 114.2#

141 471.9 51.0 76.4#

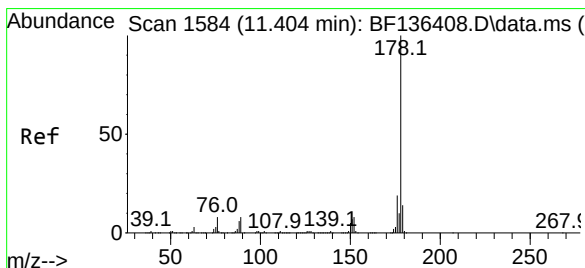
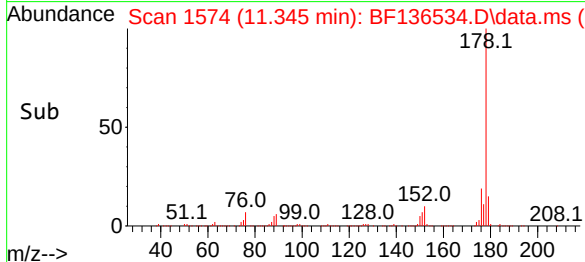
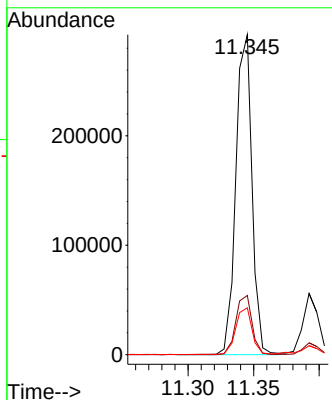
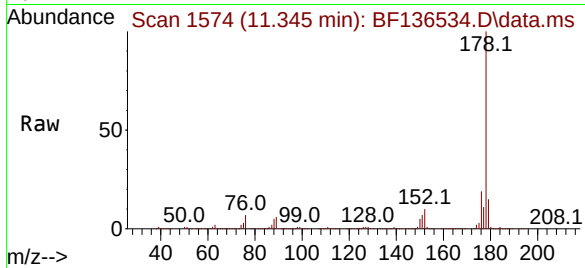




#71
Phenanthrene
Concen: 16.556 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

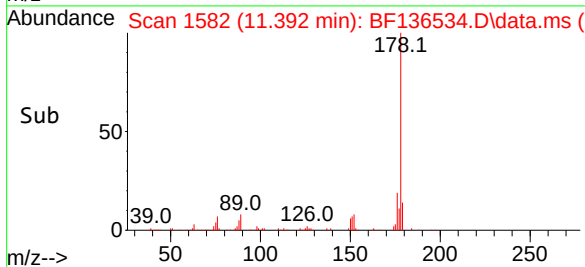
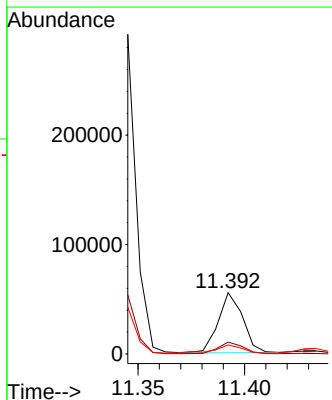
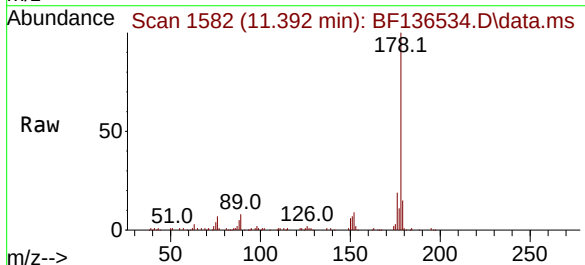
Instrument :
BNA_F
ClientSampleId :
205-199

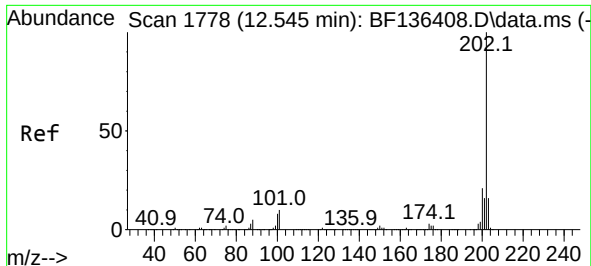
Tgt Ion:178 Resp: 250916
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 14.7 11.8 17.6



#72
Anthracene
Concen: 2.871 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:178 Resp: 43826
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 14.6 11.4 17.0

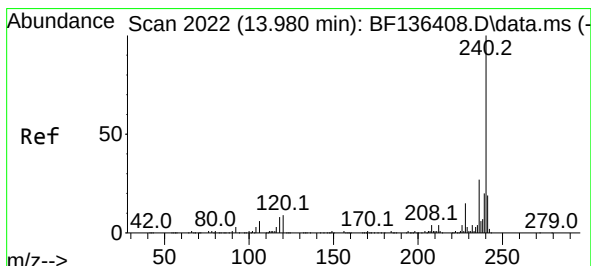
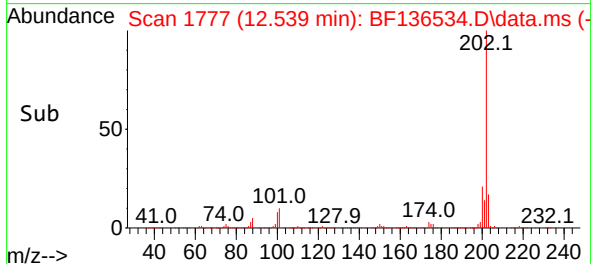
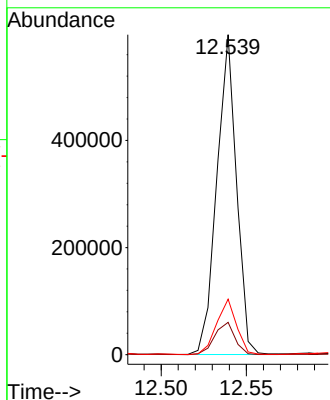
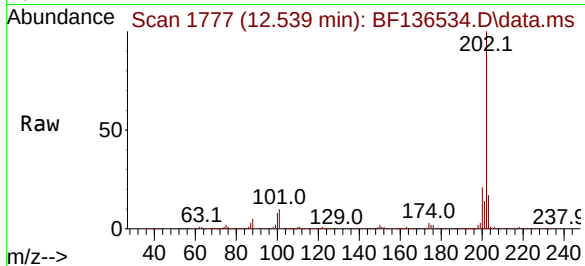




#75
Fluoranthene
Concen: 30.209 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

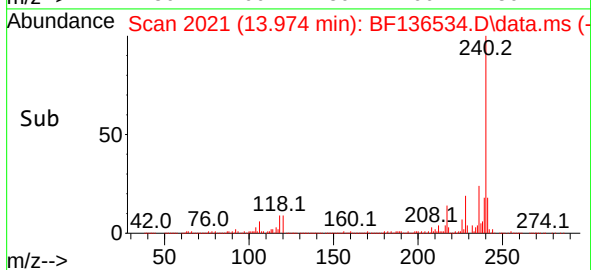
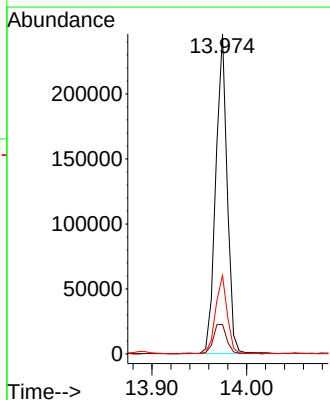
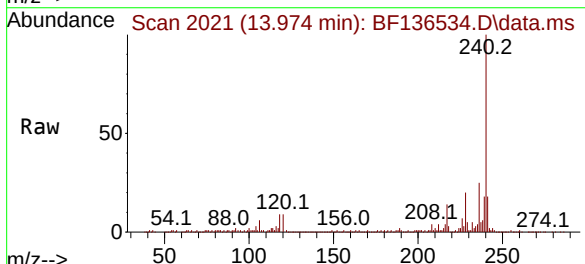
Instrument :
BNA_F
ClientSampleId :
205-199

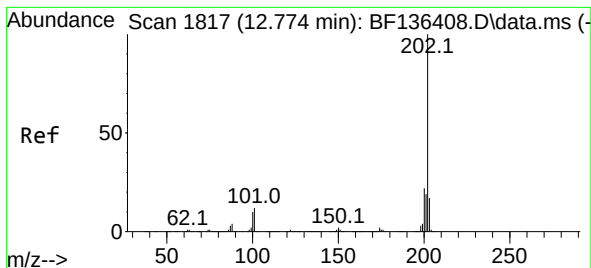
Tgt Ion:202 Resp: 479788
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.9
203 17.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:240 Resp: 205851
Ion Ratio Lower Upper
240 100
120 9.2 7.3 10.9
236 24.6 21.3 31.9





#78

Pyrene

Concen: 23.613 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

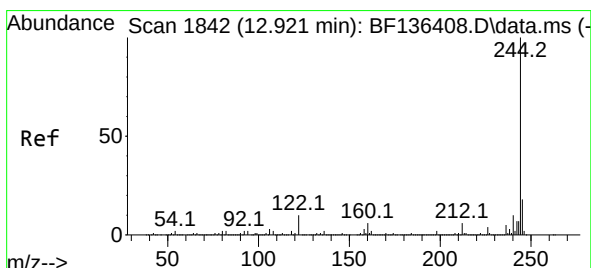
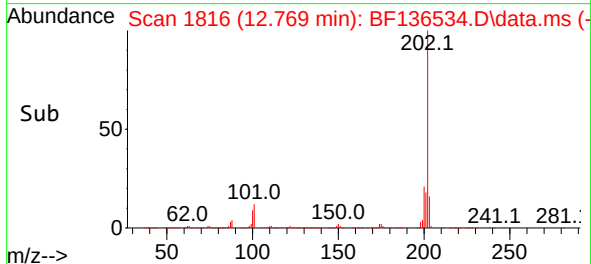
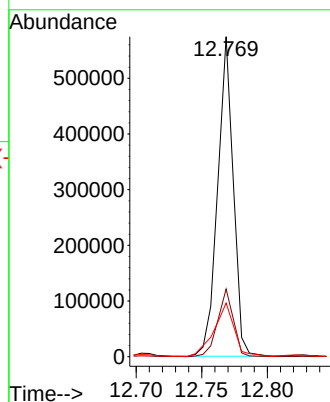
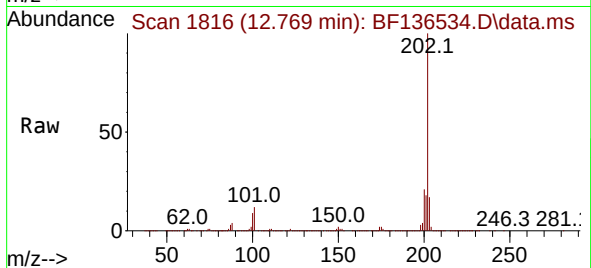
Tgt Ion:202 Resp: 476050

Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 16.8 13.5 20.3



#79

Terphenyl-d14

Concen: 39.826 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

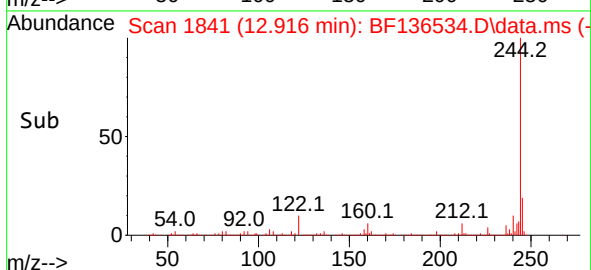
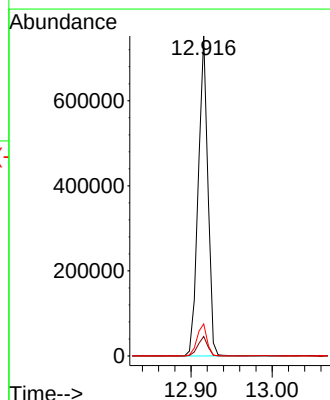
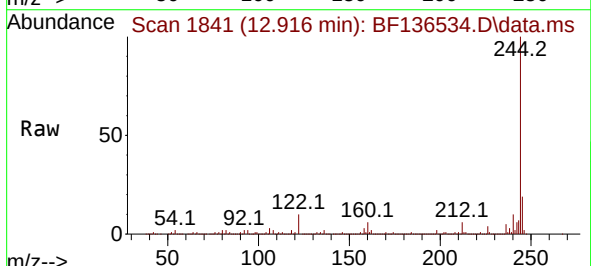
Tgt Ion:244 Resp: 621994

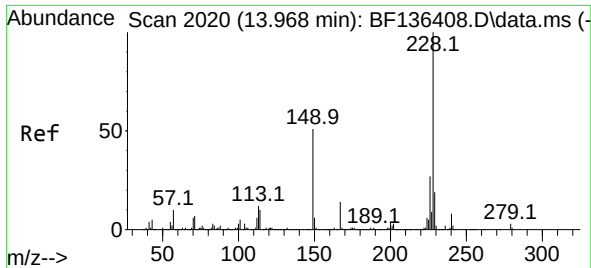
Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.0 8.3 12.5

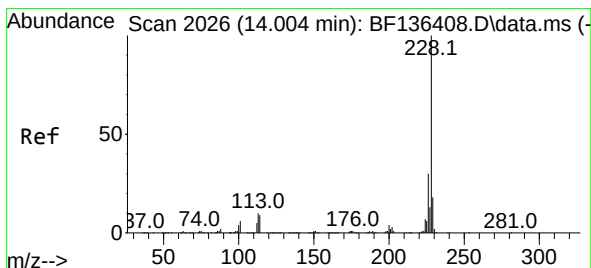
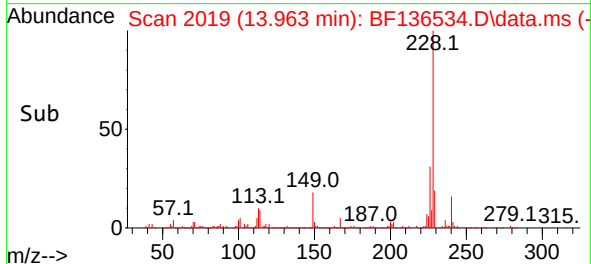
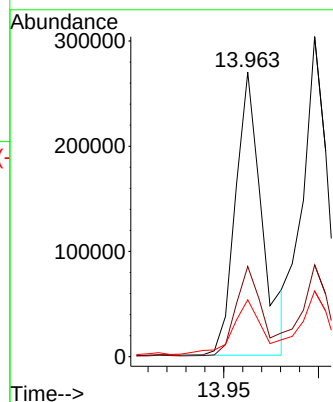
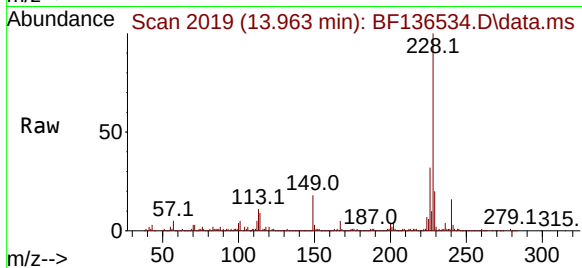




#81
Benzo(a)anthracene
Concen: 18.330 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

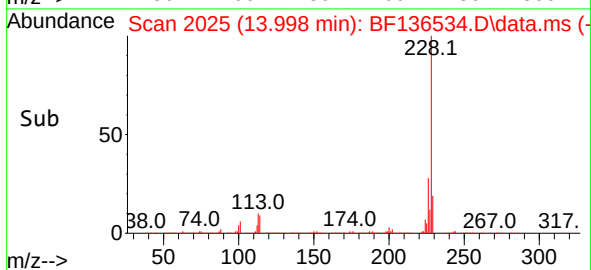
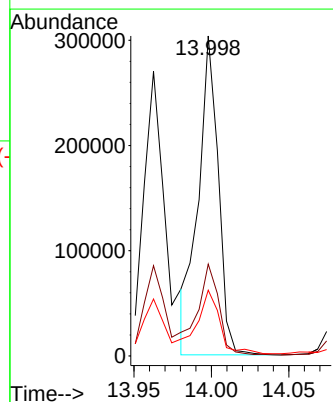
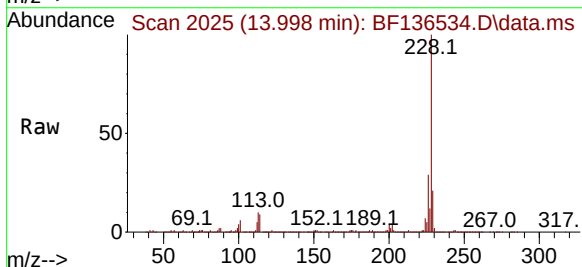
Instrument :
BNA_F
ClientSampleId :
205-199

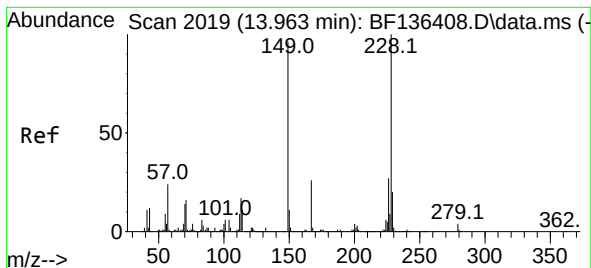
Tgt Ion:228 Resp: 262829
Ion Ratio Lower Upper
228 100
226 31.7 21.8 32.8
229 20.0 15.0 22.4



#83
Chrysene
Concen: 19.328 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:228 Resp: 272674
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.6
229 20.6 14.8 22.2

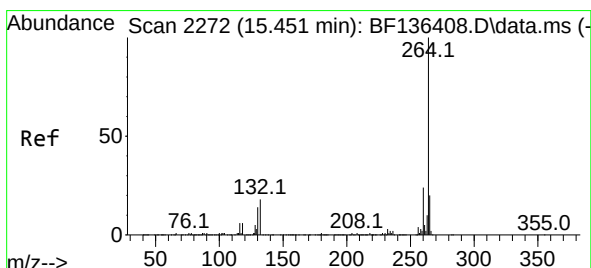
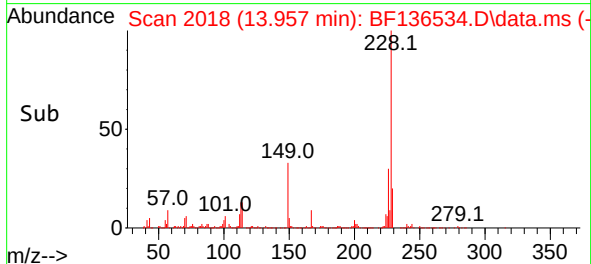
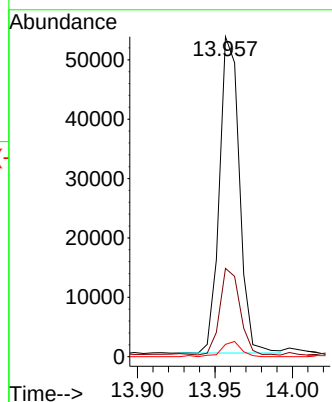
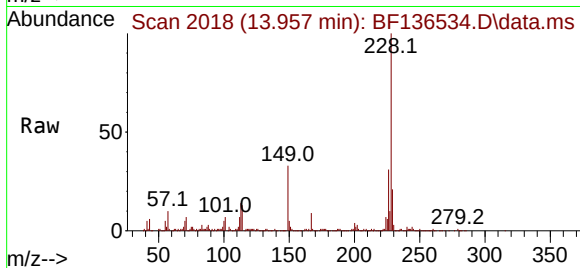




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.444 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

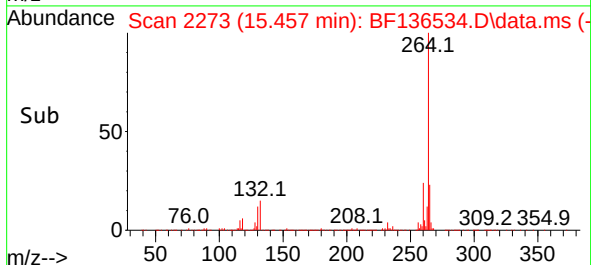
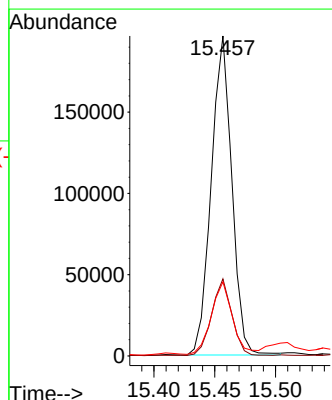
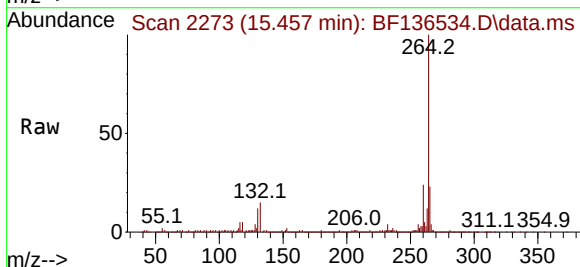
Instrument :
BNA_F
ClientSampleId :
205-199

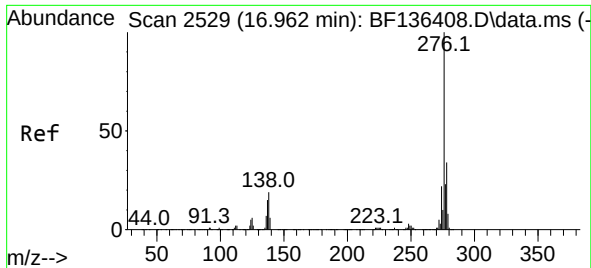
Tgt Ion:149 Resp: 47900
Ion Ratio Lower Upper
149 100
167 27.6 21.2 31.8
279 3.8 3.1 4.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:264 Resp: 231188
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 23.2 15.9 23.9

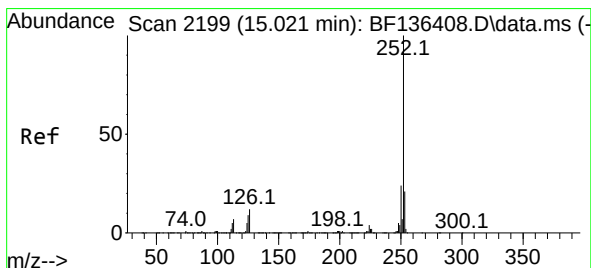
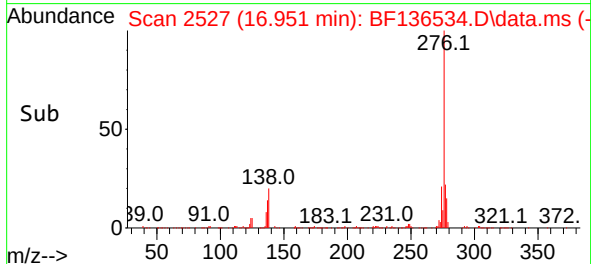
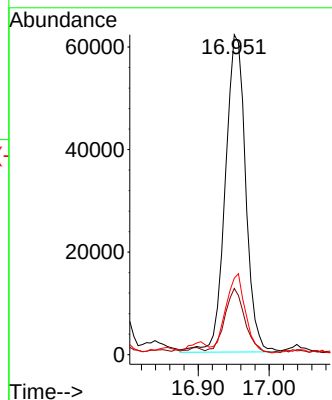
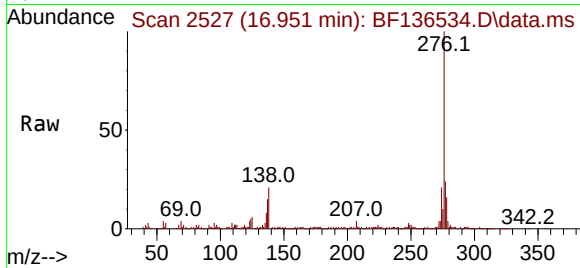




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.688 ng
 RT: 16.951 min Scan# 2199
 Delta R.T. -0.012 min
 Lab File: BF136534.D
 Acq: 13 Dec 2023 13:05

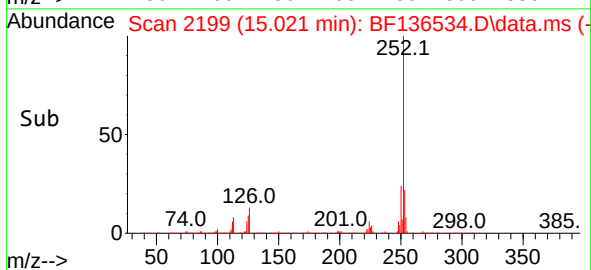
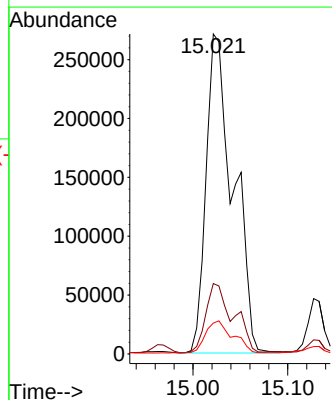
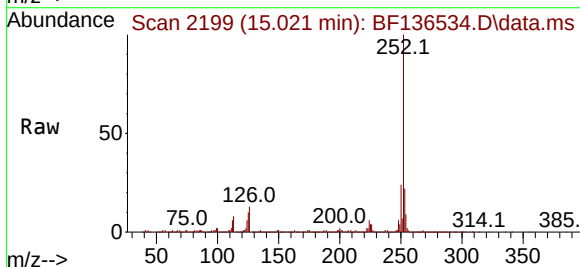
Instrument :
 BNA_F
 ClientSampleId :
 205-199

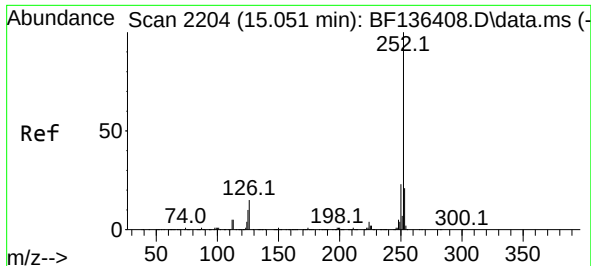
Tgt Ion:276 Resp: 123473
 Ion Ratio Lower Upper
 276 100
 138 19.8 19.0 28.4
 277 24.1 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 34.166 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF136534.D
 Acq: 13 Dec 2023 13:05

Tgt Ion:252 Resp: 540061
 Ion Ratio Lower Upper
 252 100
 253 22.0 16.9 25.3
 125 9.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 36.254 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

Instrument :

BNA_F

ClientSampleId :

205-199

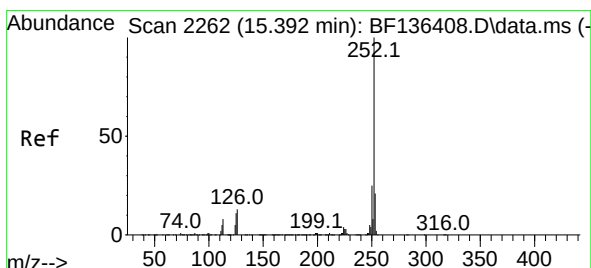
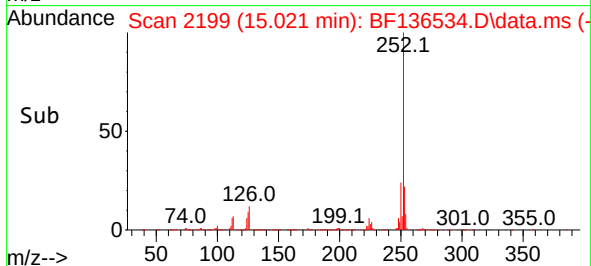
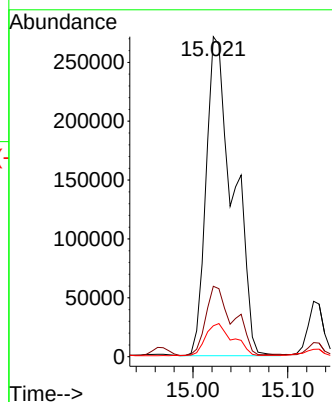
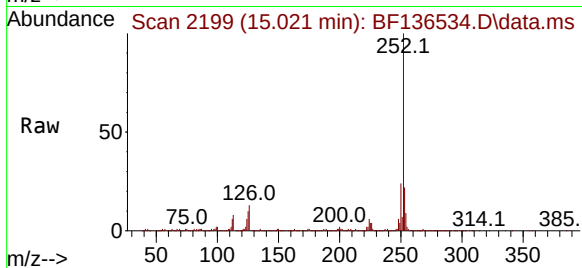
Tgt Ion:252 Resp: 540061

Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

125 9.7 7.5 11.3



#90

Benzo(a)pyrene

Concen: 19.012 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.000 min

Lab File: BF136534.D

Acq: 13 Dec 2023 13:05

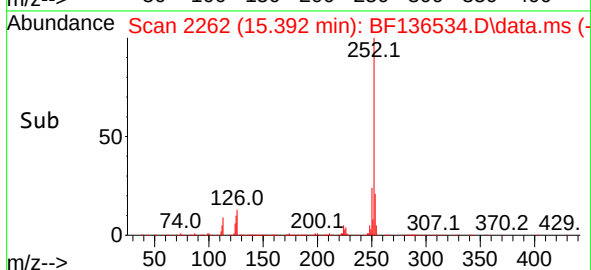
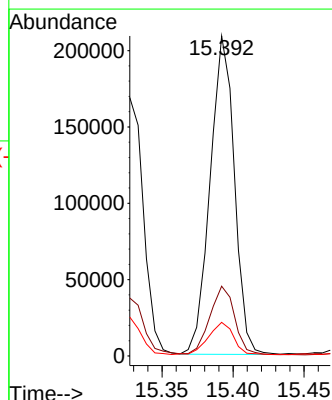
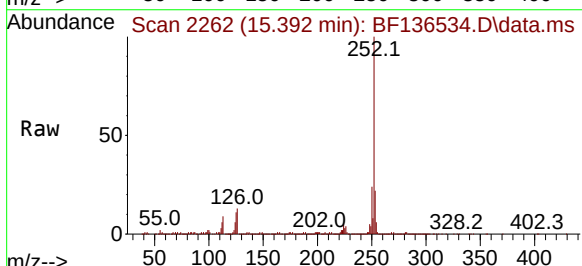
Tgt Ion:252 Resp: 248187

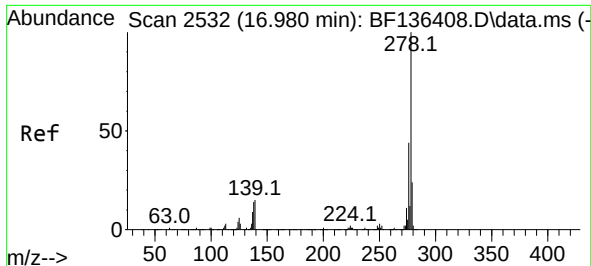
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

125 10.5 8.6 13.0

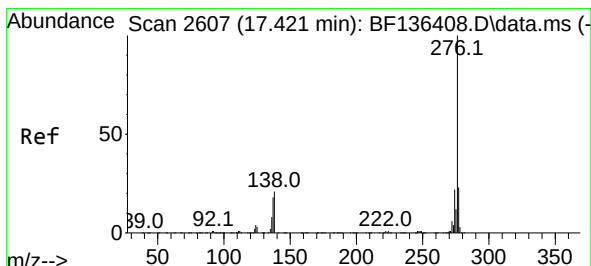
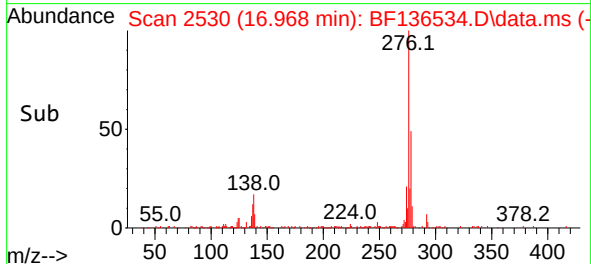
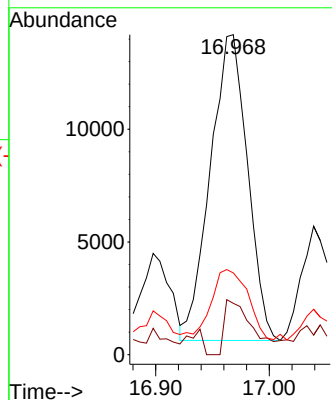
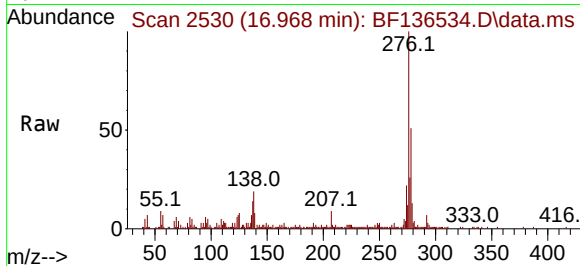




#91
Dibenzo(a,h)anthracene
Concen: 2.344 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Instrument :
BNA_F
ClientSampleId :
205-199

Tgt Ion:278 Resp: 30843
Ion Ratio Lower Upper
278 100
139 16.1 12.2 18.4
279 25.5 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 8.140 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF136534.D
Acq: 13 Dec 2023 13:05

Tgt Ion:276 Resp: 109934
Ion Ratio Lower Upper
276 100
277 25.9 18.7 28.1
138 21.9 16.6 25.0

