

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136559.D
 Acq On : 14 Dec 2023 02:35
 Operator : CG\JU
 Sample : 05767-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E3-COMP

Quant Time: Dec 14 03:52:21 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)

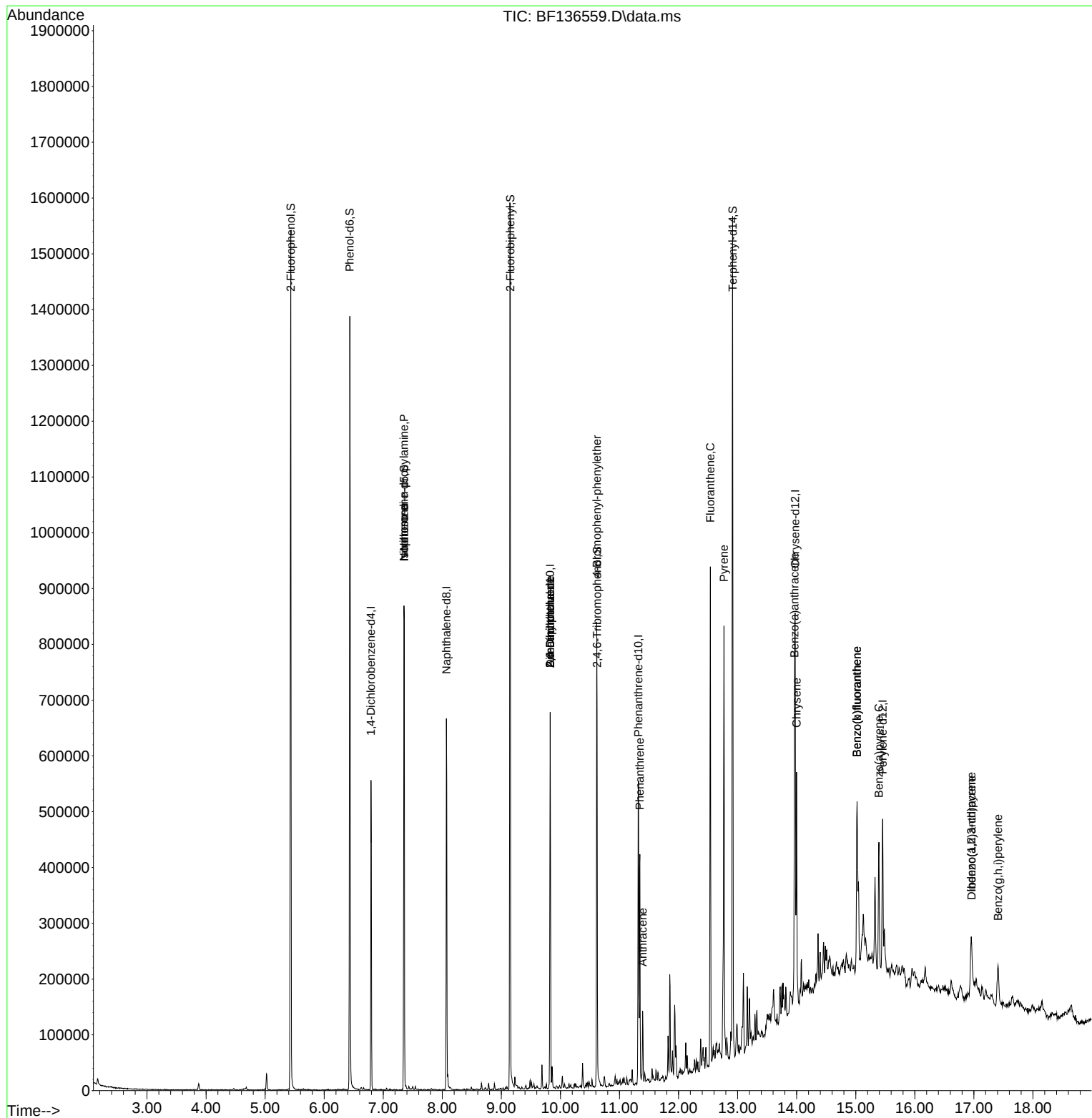
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	80298	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	282679	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	125570	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	210757	20.000	ng	0.00
76) Chrysene-d12	13.974	240	173296	20.000	ng	0.00
86) Perylene-d12	15.457	264	132492	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	407659	74.976	ng	0.00
7) Phenol-d6	6.434	99	482397	71.111	ng	-0.01
23) Nitrobenzene-d5	7.351	82	282126	53.955	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	104673	67.606	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	521398	56.657	ng	-0.01
79) Terphenyl-d14	12.916	244	499827	38.016	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.351	77	71	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	36469	9.319	ng	# 79
25) Isophorone	7.351	82	282122	30.031	ng	# 65
50) Dimethylphthalate	9.828	163	24957	2.700	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	15852	7.622	ng	# 29
57) 2,4-Dinitrotoluene	9.828	165	15852	5.761	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	6794	2.773	ng	# 1
71) Phenanthrene	11.345	178	157582	13.603	ng	98
72) Anthracene	11.392	178	46679	4.001	ng	97
75) Fluoranthene	12.539	202	332037	27.352	ng	98
77) Benzidine	12.692	184	338	Below Cal	#	1
78) Pyrene	12.769	202	304367	17.934	ng	96
81) Benzo(a)anthracene	13.963	228	184391	15.275	ng	97
83) Chrysene	13.998	228	153195	12.899	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	66718	7.248	ng	98
88) Benzo(b)fluoranthene	15.021	252	232579	25.674	ng	# 96
89) Benzo(k)fluoranthene	15.021	252	232579	27.243	ng	97
90) Benzo(a)pyrene	15.392	252	113693	15.197	ng	97
91) Dibenzo(a,h)anthracene	16.962	278	17747	2.353	ng	# 89
92) Benzo(g,h,i)perylene	17.409	276	65214	8.426	ng	98

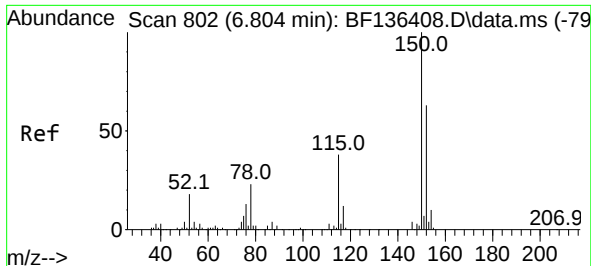
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
Data File : BF136559.D
Acq On : 14 Dec 2023 02:35
Operator : CG\JU
Sample : 05767-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

Quant Time: Dec 14 03:52:21 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

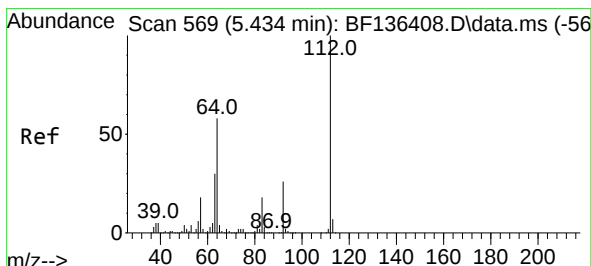
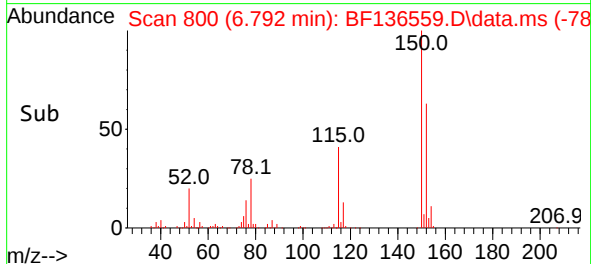
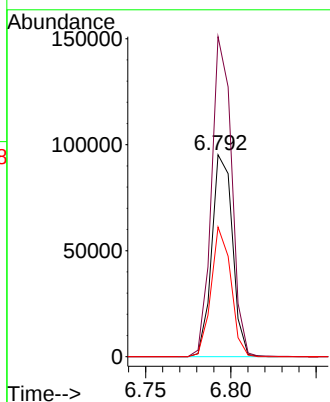
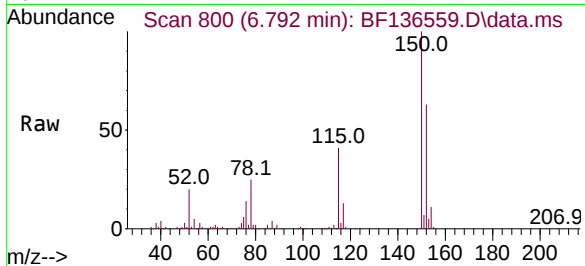




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136559.D
 Acq: 14 Dec 2023 02:35

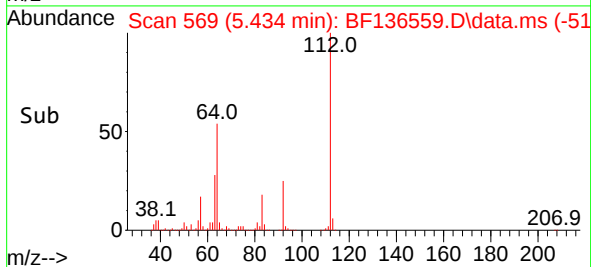
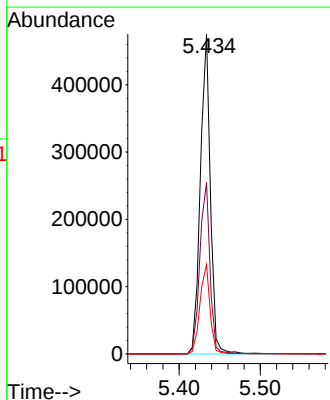
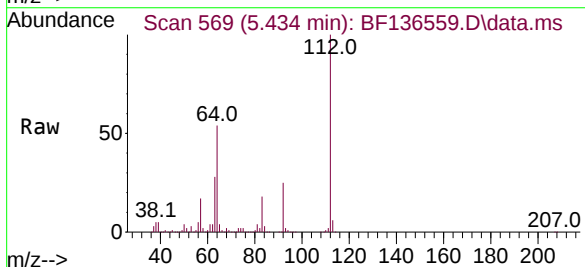
Instrument :
 BNA_F
 ClientSampleId :
 SP-E3-COMP

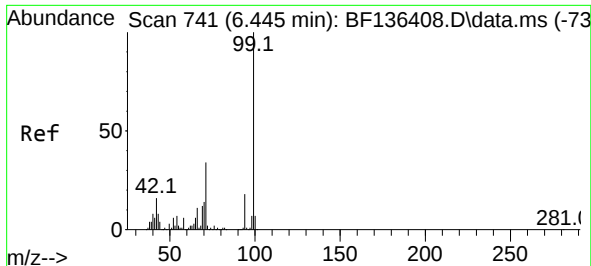
Tgt Ion:152 Resp: 80298
 Ion Ratio Lower Upper
 152 100
 150 158.4 126.4 189.6
 115 64.2 48.2 72.4



#5
 2-Fluorophenol
 Concen: 74.976 ng
 RT: 5.434 min Scan# 569
 Delta R.T. -0.000 min
 Lab File: BF136559.D
 Acq: 14 Dec 2023 02:35

Tgt Ion:112 Resp: 407659
 Ion Ratio Lower Upper
 112 100
 64 53.5 46.5 69.7
 63 27.9 23.9 35.9

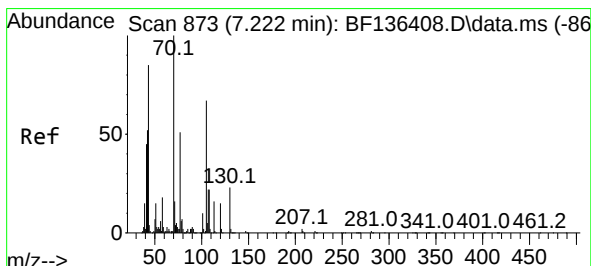
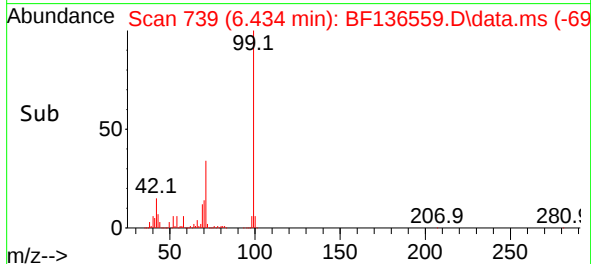
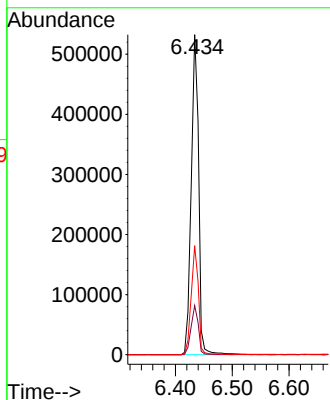
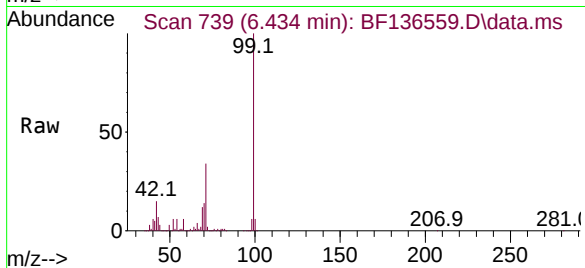




#7
Phenol-d6
Concen: 71.111 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

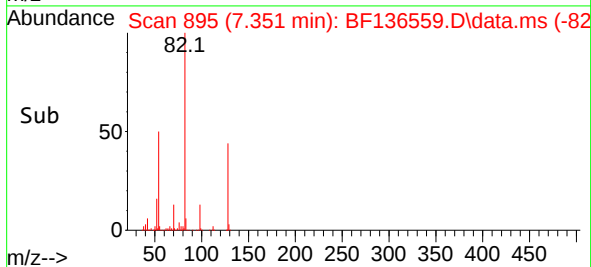
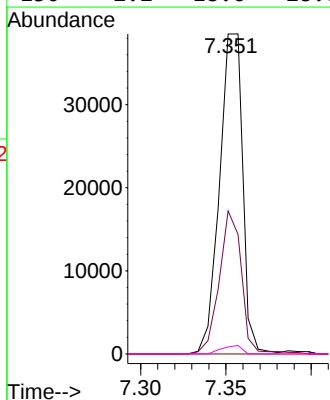
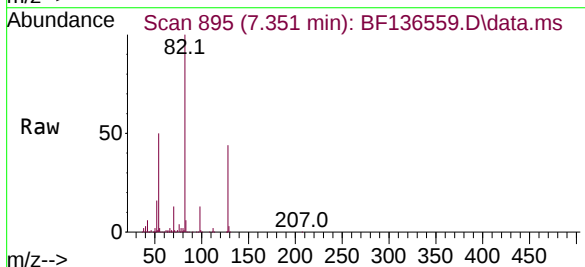
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

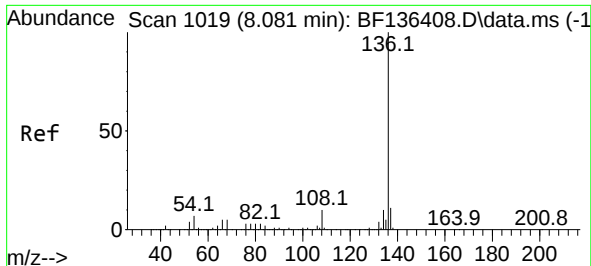
Tgt Ion: 99 Resp: 482397
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 34.0 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.319 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion: 70 Resp: 36469
Ion Ratio Lower Upper
70 100
42 44.7 41.4 62.0
101 0.0 8.2 12.4#
130 2.2 18.6 28.0#

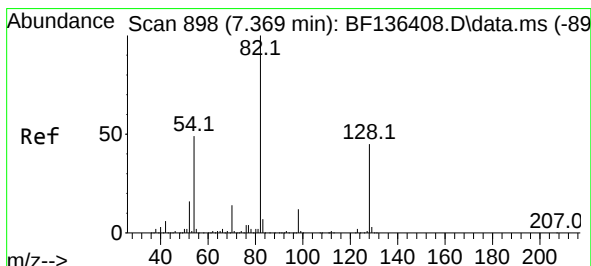
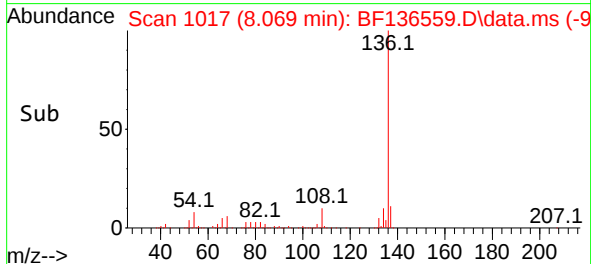
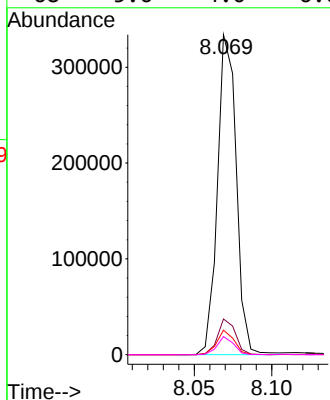
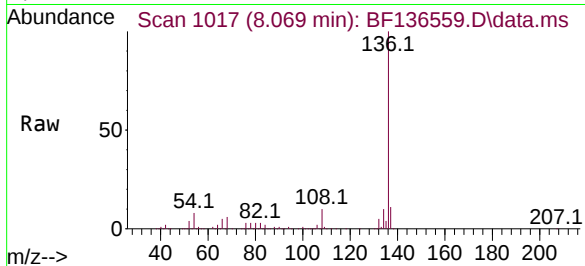




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

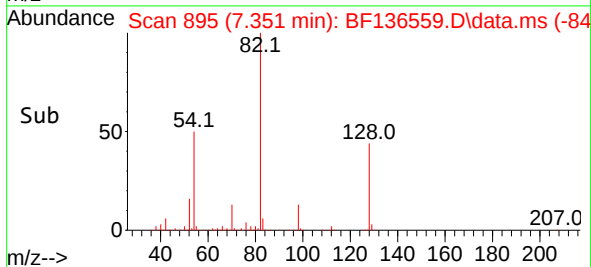
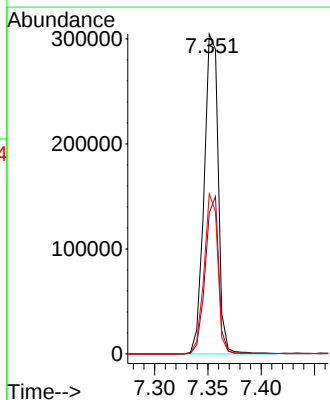
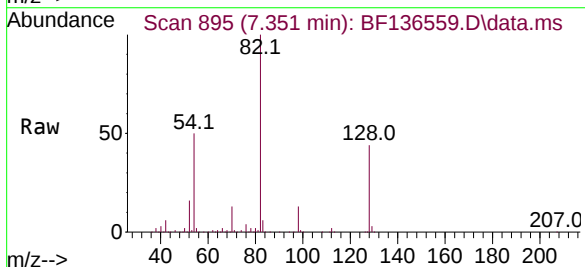
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

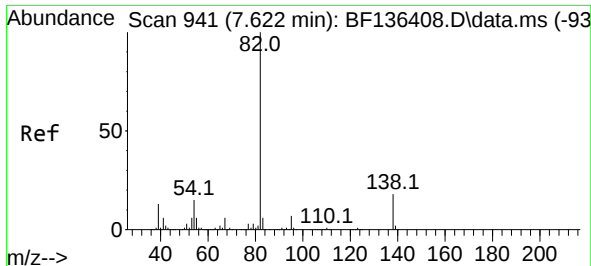
Tgt Ion:136 Resp: 282679
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.7 5.7 8.5
68 5.6 4.0 6.0



#23
Nitrobenzene-d5
Concen: 53.955 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion: 82 Resp: 282126
Ion Ratio Lower Upper
82 100
128 44.0 36.3 54.5
54 50.0 39.0 58.6

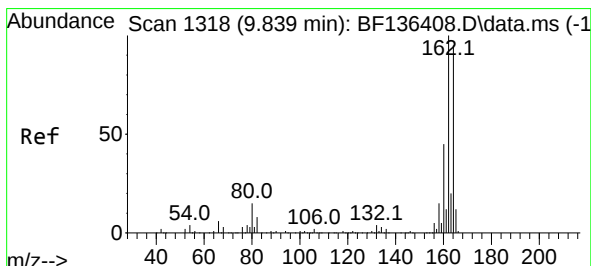
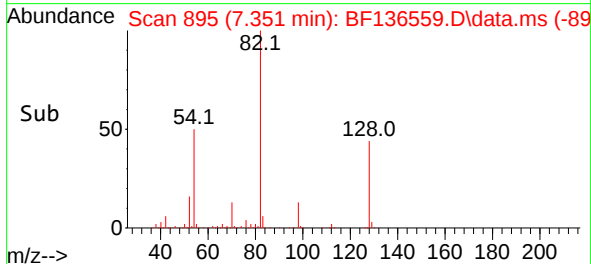
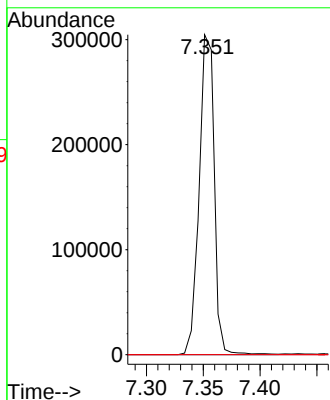
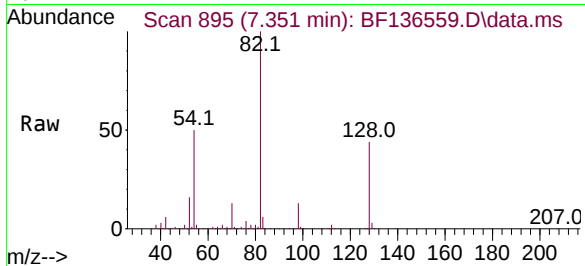




#25
Isophorone
Concen: 30.031 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

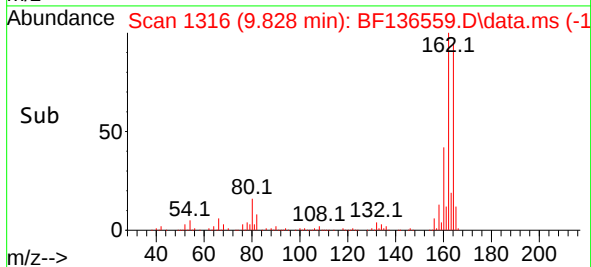
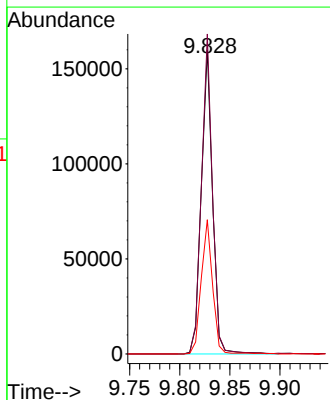
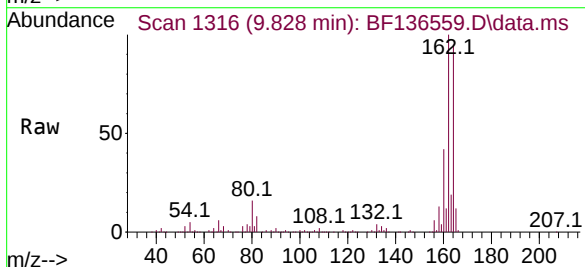
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

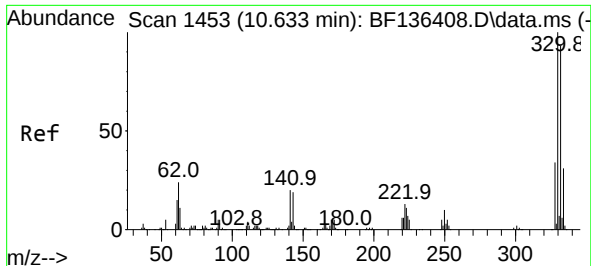
Tgt Ion: 82 Resp: 282122
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:164 Resp: 125570
Ion Ratio Lower Upper
164 100
162 105.2 84.4 126.6
160 44.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 67.606 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136559.D

Acq: 14 Dec 2023 02:35

Instrument :

BNA_F

ClientSampleId :

SP-E3-COMP

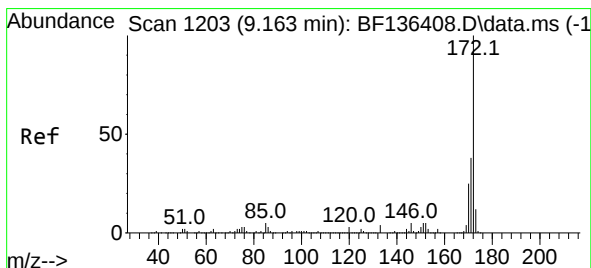
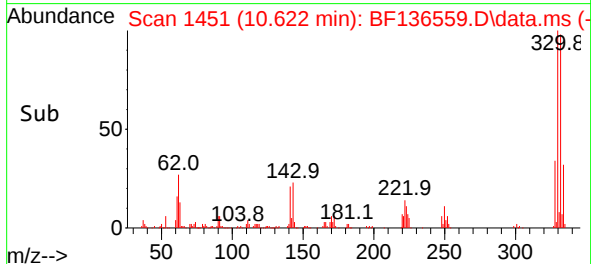
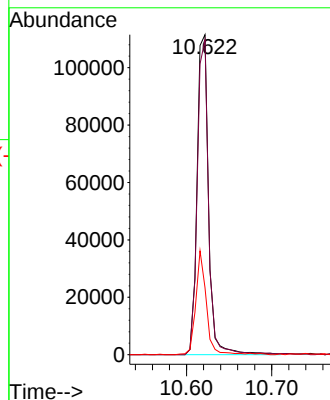
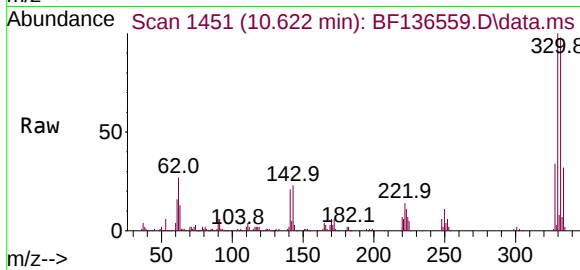
Tgt Ion:330 Resp: 104673

Ion Ratio Lower Upper

330 100

332 96.1 76.4 114.6

141 29.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 56.657 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136559.D

Acq: 14 Dec 2023 02:35

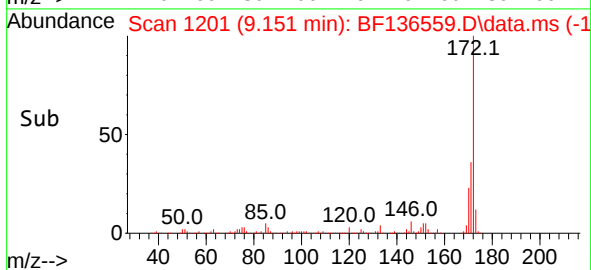
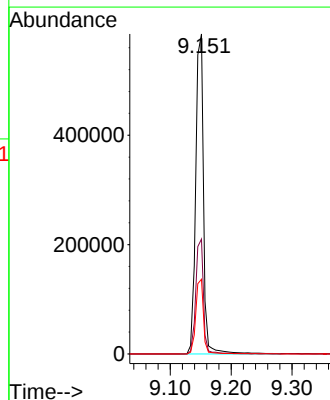
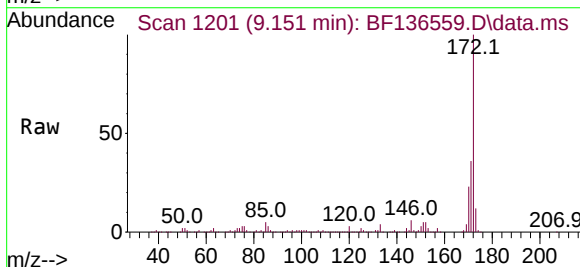
Tgt Ion:172 Resp: 521398

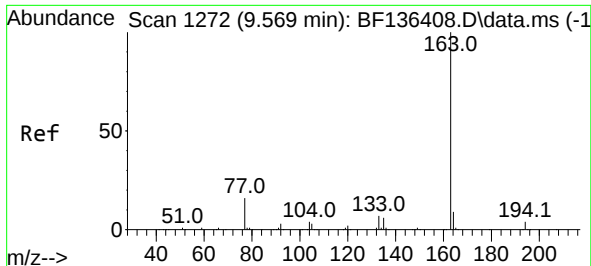
Ion Ratio Lower Upper

172 100

171 35.9 30.5 45.7

170 23.4 19.9 29.9

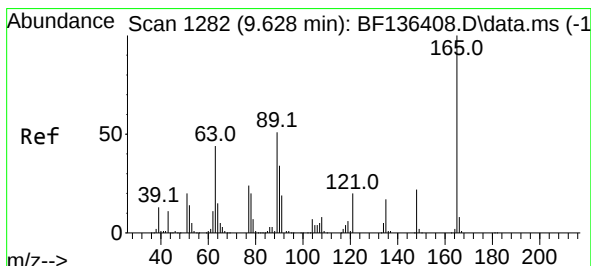
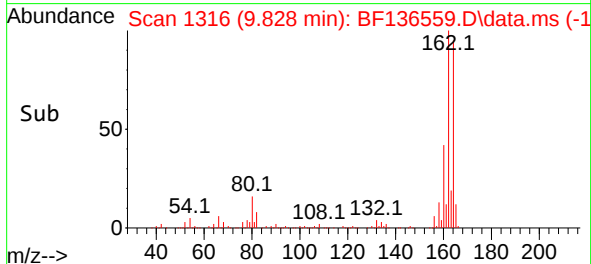
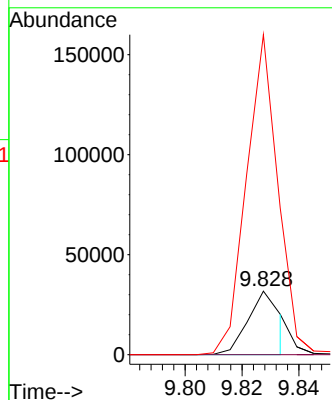
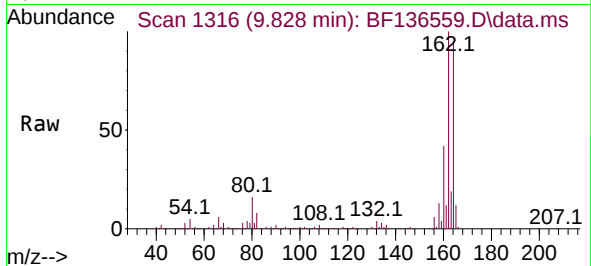




#50
Dimethylphthalate
Concen: 2.700 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

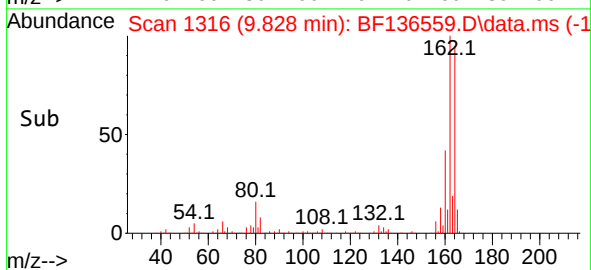
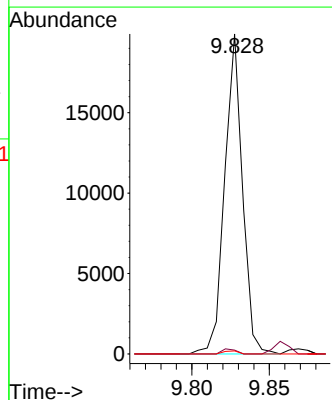
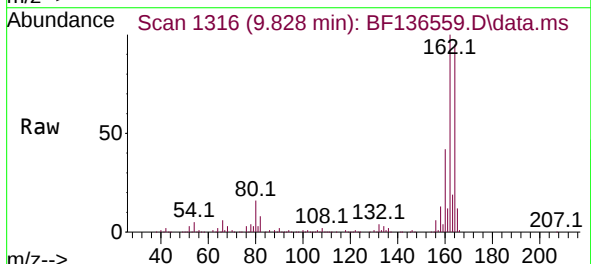
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

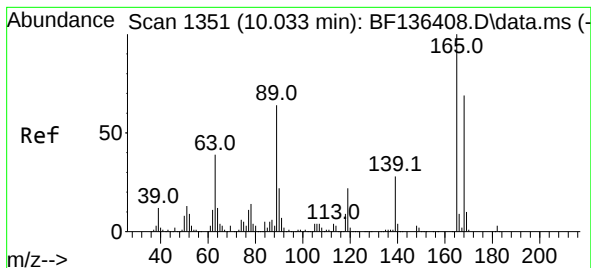
Tgt Ion:163 Resp: 24957
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 503.9 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.622 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:165 Resp: 15852
Ion Ratio Lower Upper
165 100
63 1.2 40.4 60.6#
89 0.9 40.6 60.8#

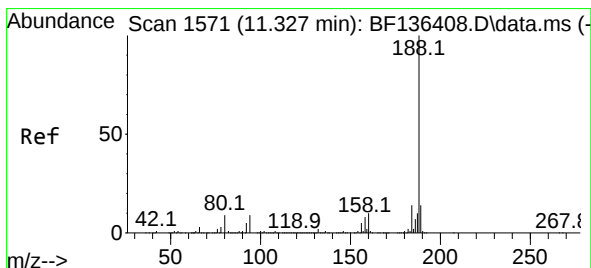
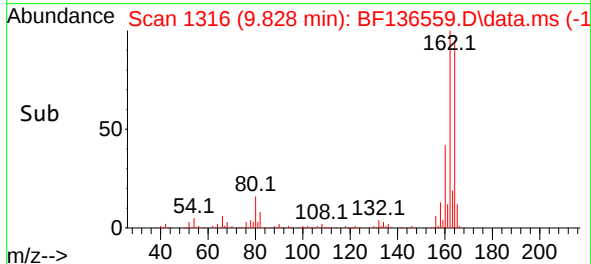
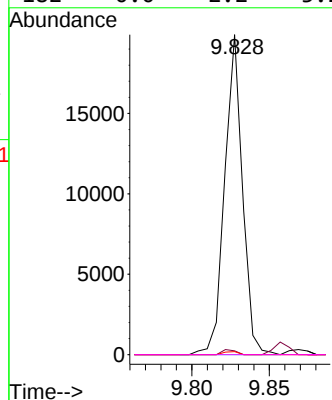
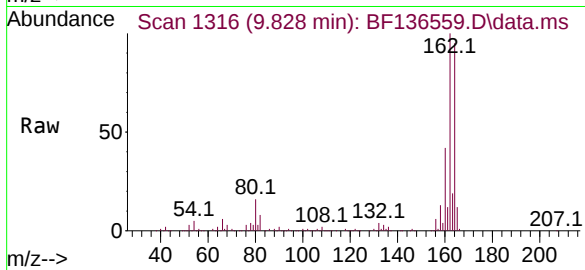




#57
2,4-Dinitrotoluene
Concen: 5.761 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

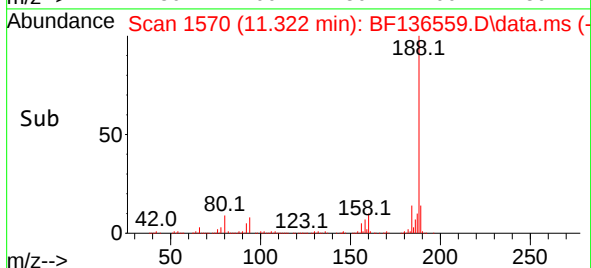
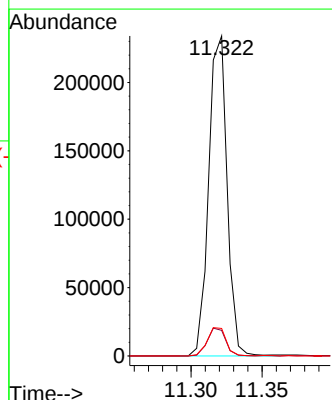
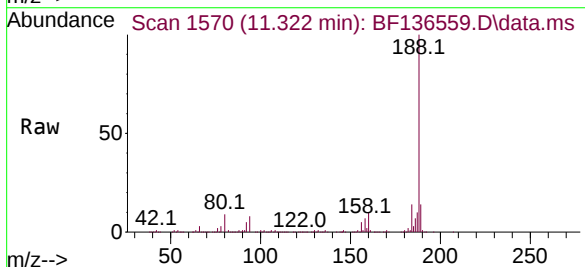
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

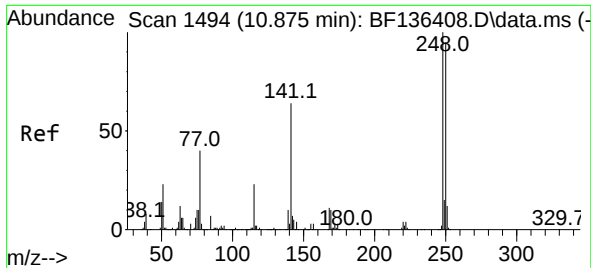
Tgt Ion:165 Resp: 15852
Ion Ratio Lower Upper
165 100
63 1.2 31.4 47.2#
89 0.9 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:188 Resp: 210757
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 8.6 7.2 10.8

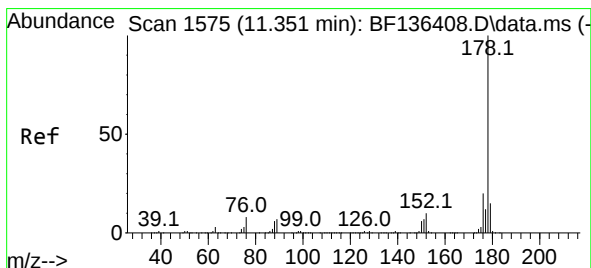
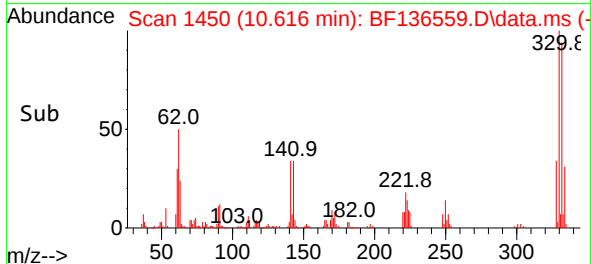
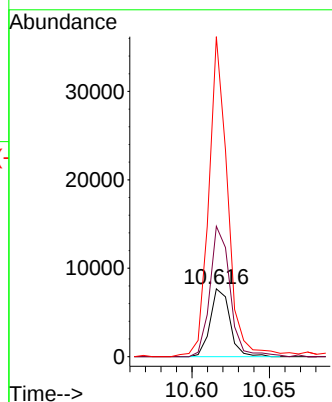
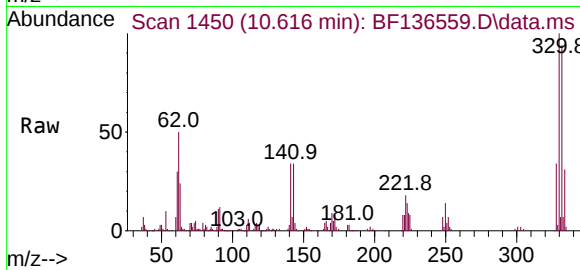




#67
4-Bromophenyl-phenylether
Concen: 2.773 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.259 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

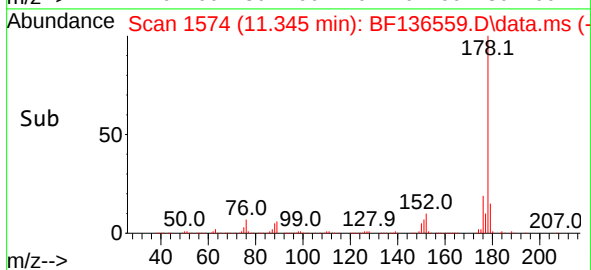
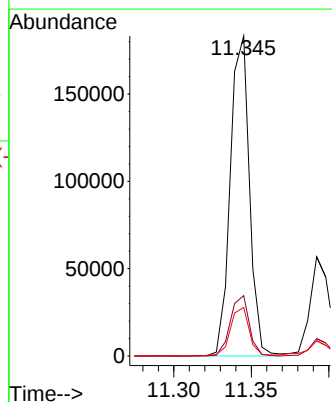
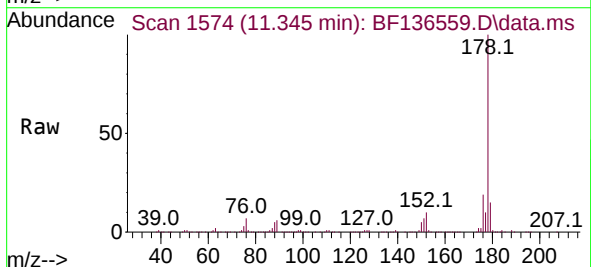
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

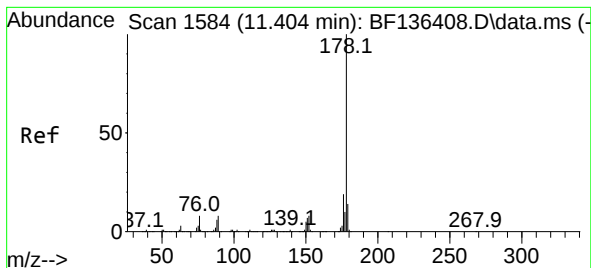
Tgt Ion:248 Resp: 6794
Ion Ratio Lower Upper
248 100
250 192.3 76.2 114.2#
141 471.9 51.0 76.4#



#71
Phenanthrene
Concen: 13.603 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:178 Resp: 157582
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.2 11.8 17.6





#72

Anthracene

Concen: 4.001 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136559.D

Acq: 14 Dec 2023 02:35

Instrument :

BNA_F

ClientSampleId :

SP-E3-COMP

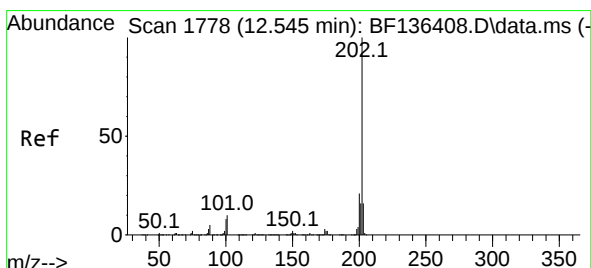
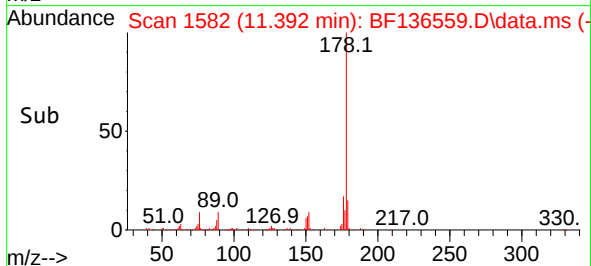
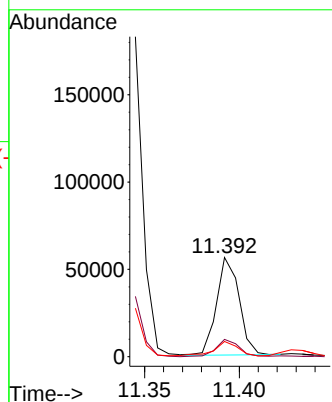
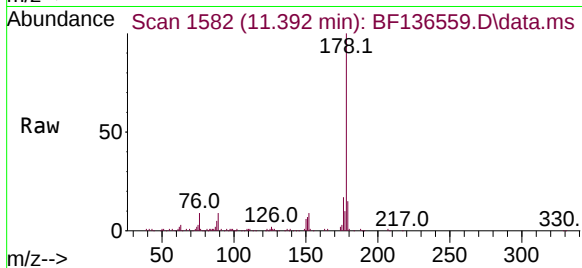
Tgt Ion:178 Resp: 46679

Ion Ratio Lower Upper

178 100

176 17.4 15.3 22.9

179 15.3 11.4 17.0



#75

Fluoranthene

Concen: 27.352 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF136559.D

Acq: 14 Dec 2023 02:35

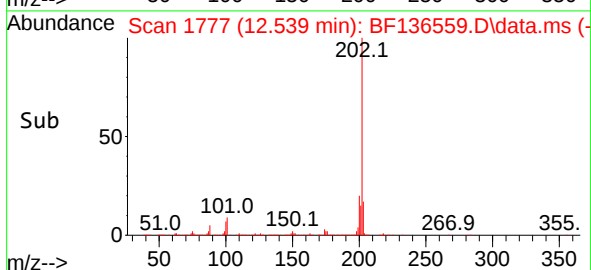
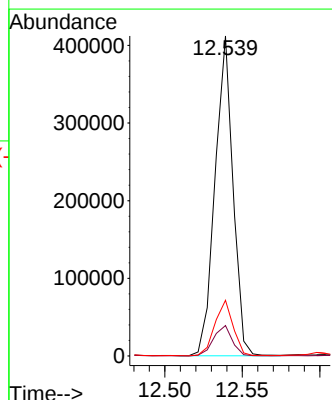
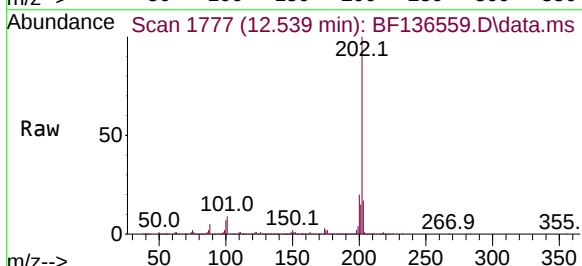
Tgt Ion:202 Resp: 332037

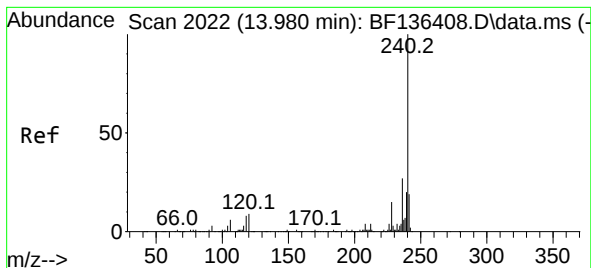
Ion Ratio Lower Upper

202 100

101 9.5 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: BF136559.D

Acq: 14 Dec 2023 02:35

Instrument :

BNA_F

ClientSampleId :

SP-E3-COMP

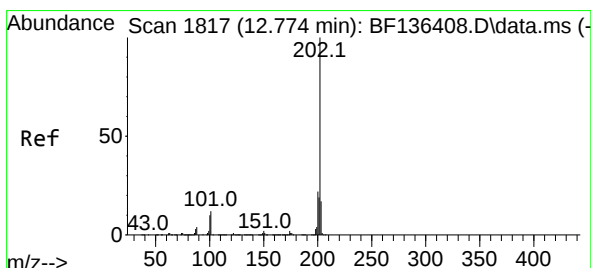
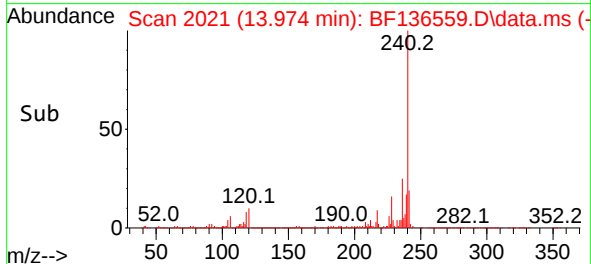
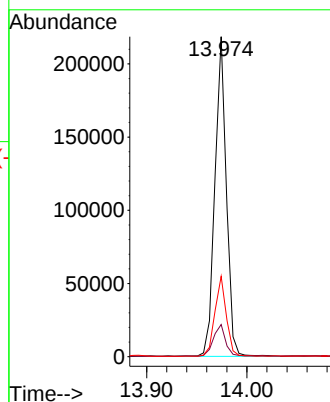
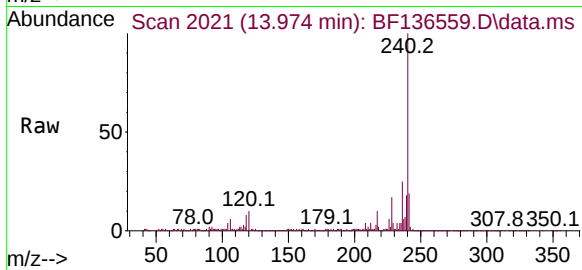
Tgt Ion:240 Resp: 173296

Ion Ratio Lower Upper

240 100

120 10.1 7.3 10.9

236 25.1 21.3 31.9



#78

Pyrene

Concen: 17.934 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136559.D

Acq: 14 Dec 2023 02:35

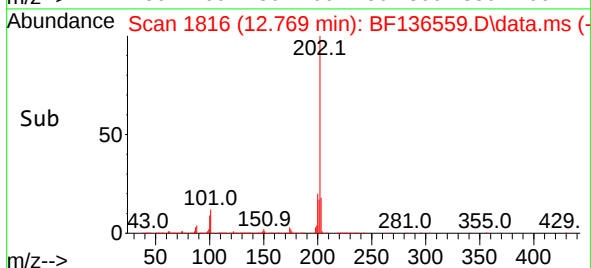
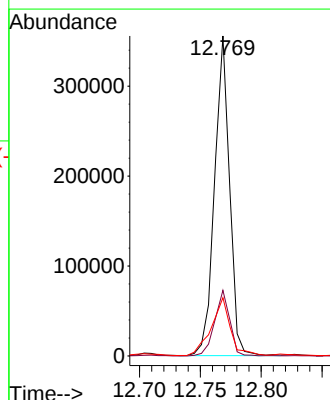
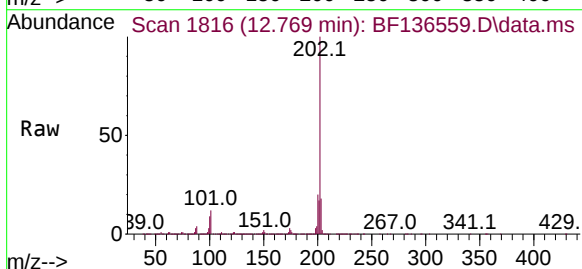
Tgt Ion:202 Resp: 304367

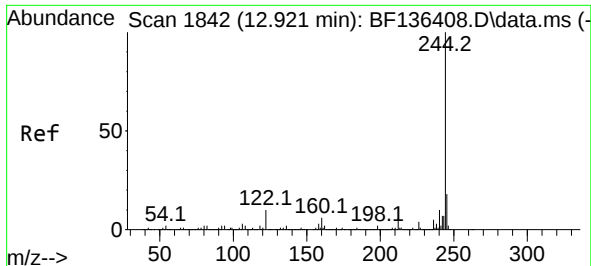
Ion Ratio Lower Upper

202 100

200 20.5 18.0 27.0

203 18.2 13.5 20.3

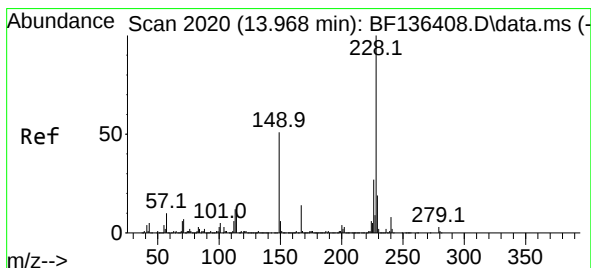
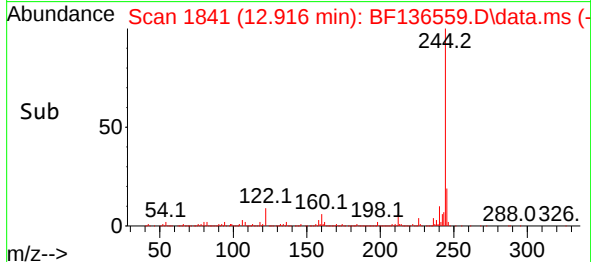
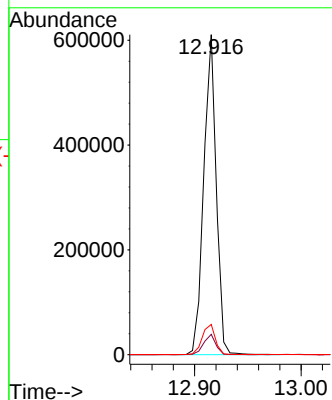
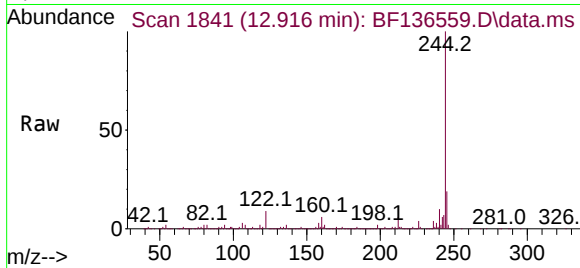




#79
 Terphenyl-d14
 Concen: 38.016 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136559.D
 Acq: 14 Dec 2023 02:35

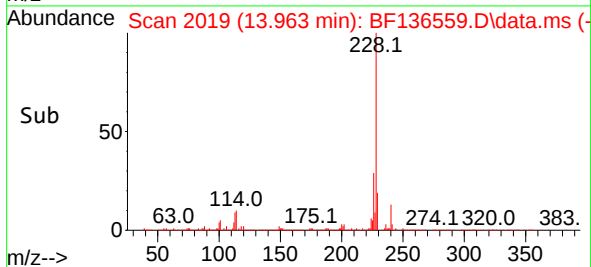
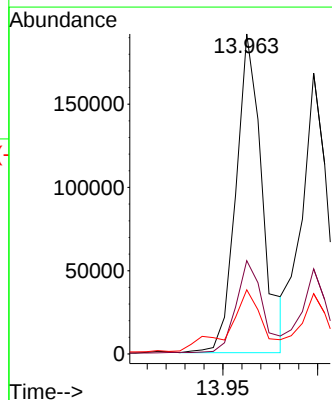
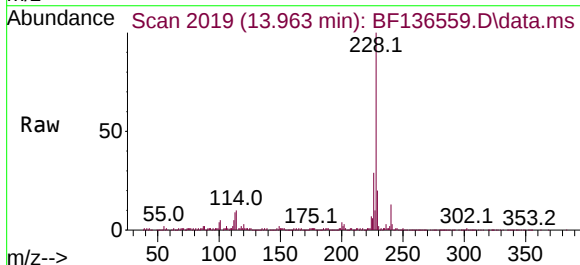
Instrument :
 BNA_F
 ClientSampleId :
 SP-E3-COMP

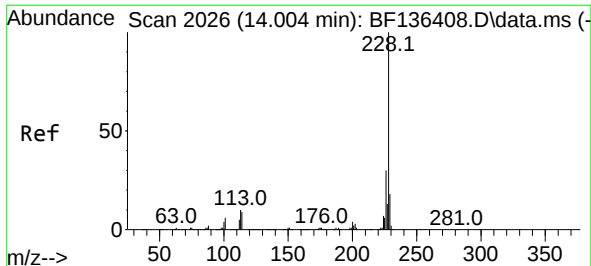
Tgt Ion:244 Resp: 499827
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 9.5 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 15.275 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136559.D
 Acq: 14 Dec 2023 02:35

Tgt Ion:228 Resp: 184391
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.8 32.8
 229 20.1 15.0 22.4

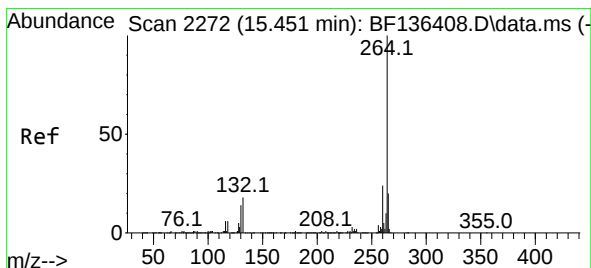
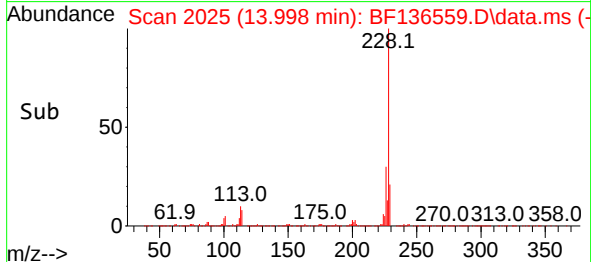
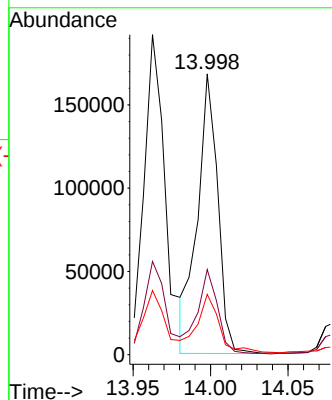
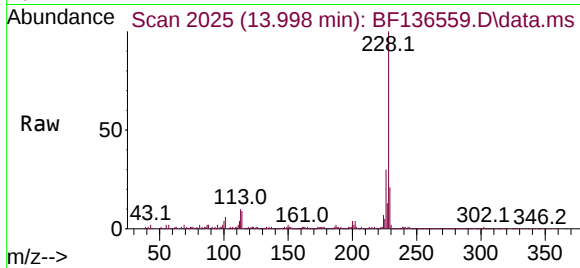




#83
Chrysene
Concen: 12.899 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

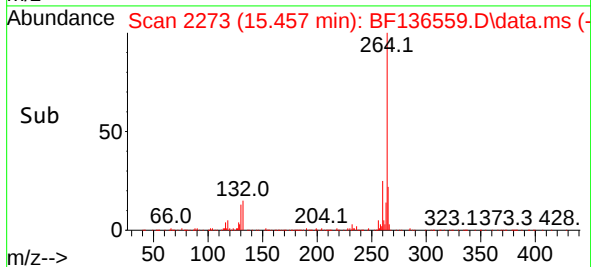
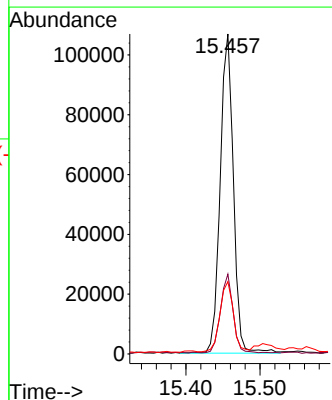
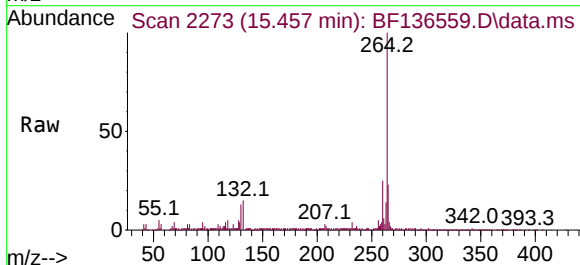
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

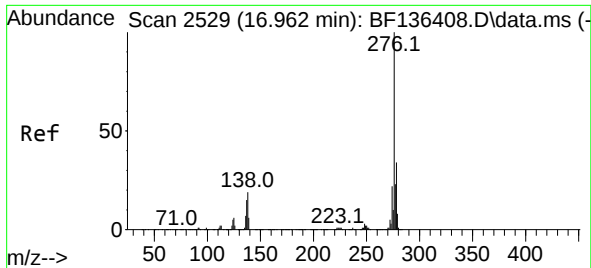
Tgt Ion:228 Resp: 153195
Ion Ratio Lower Upper
228 100
226 30.3 23.8 35.6
229 21.5 14.8 22.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:264 Resp: 132492
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 22.6 15.9 23.9

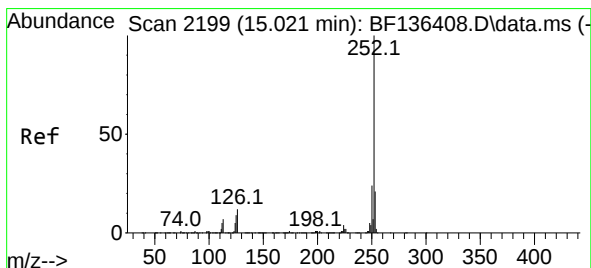
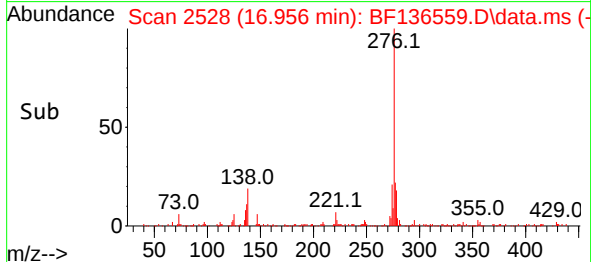
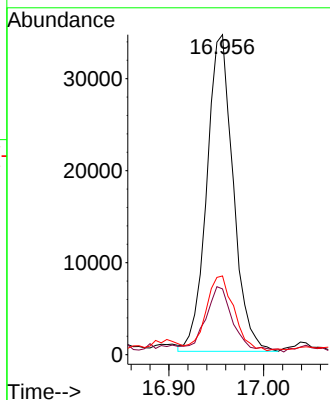
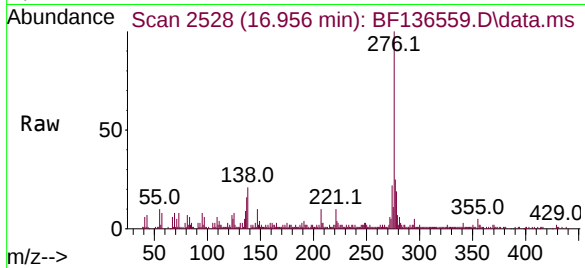




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.248 ng
 RT: 16.956 min Scan# 21956
 Delta R.T. -0.006 min
 Lab File: BF136559.D
 Acq: 14 Dec 2023 02:35

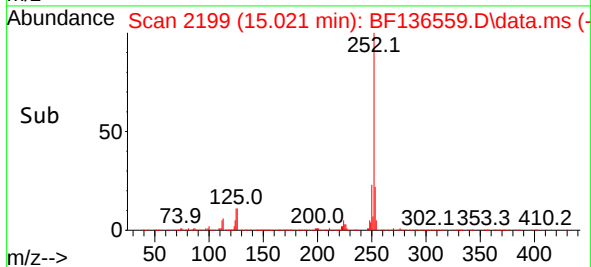
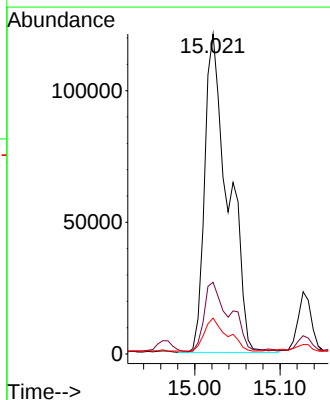
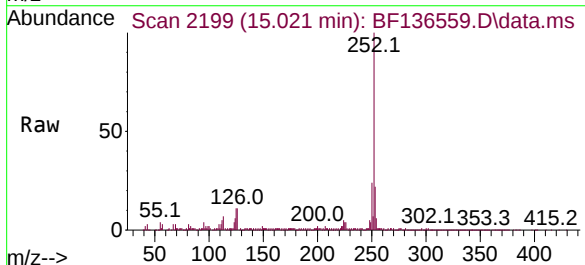
Instrument :
 BNA_F
 ClientSampleId :
 SP-E3-COMP

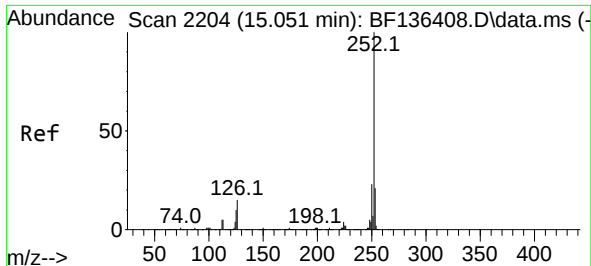
Tgt Ion:276 Resp: 66718
 Ion Ratio Lower Upper
 276 100
 138 21.5 19.0 28.4
 277 24.8 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 25.674 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. -0.000 min
 Lab File: BF136559.D
 Acq: 14 Dec 2023 02:35

Tgt Ion:252 Resp: 232579
 Ion Ratio Lower Upper
 252 100
 253 22.4 16.9 25.3
 125 11.2 7.4 11.2#

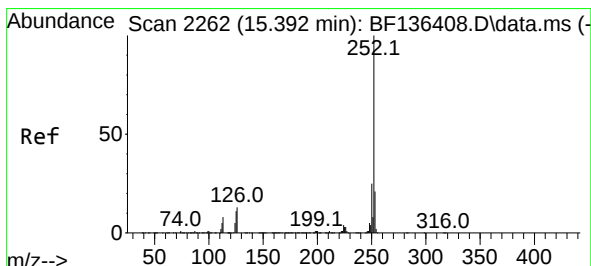
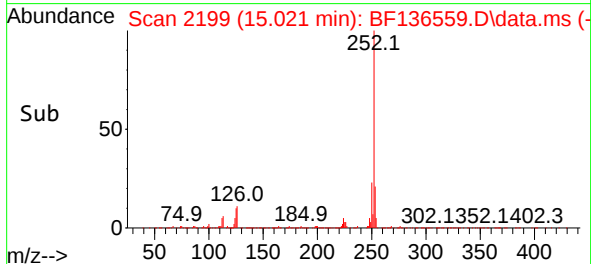
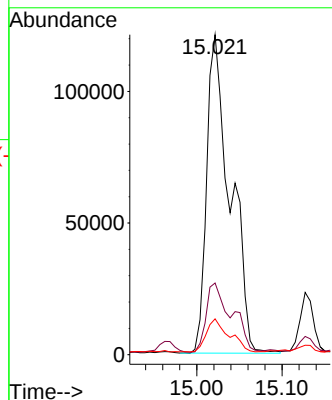
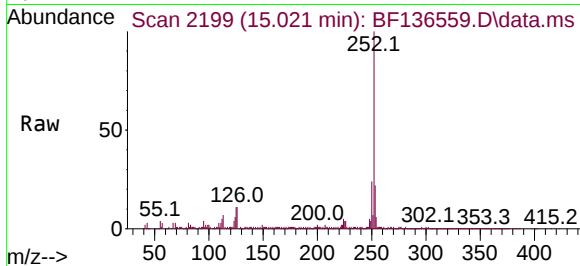




#89
Benzo(k)fluoranthene
Concen: 27.243 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

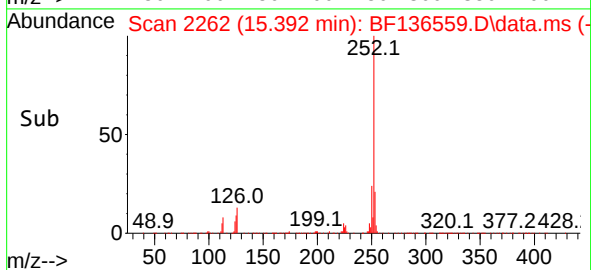
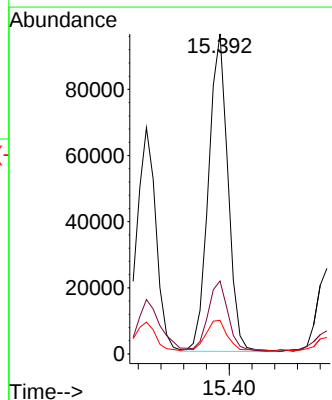
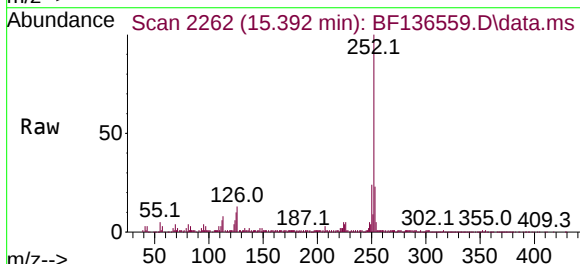
Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

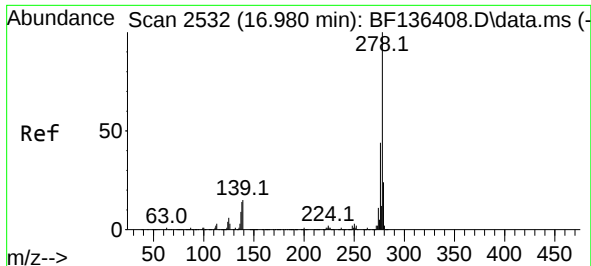
Tgt Ion:252 Resp: 232579
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 11.2 7.5 11.3



#90
Benzo(a)pyrene
Concen: 15.197 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:252 Resp: 113693
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 10.5 8.6 13.0

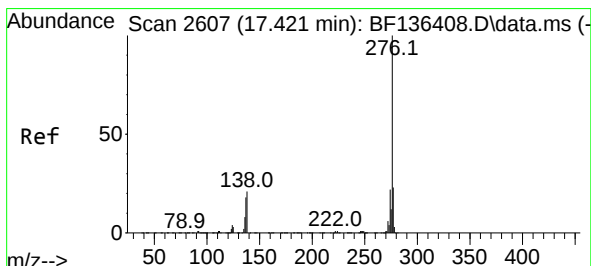
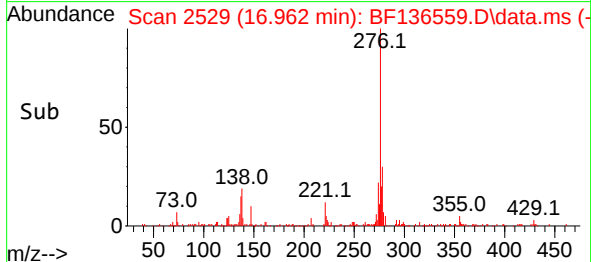
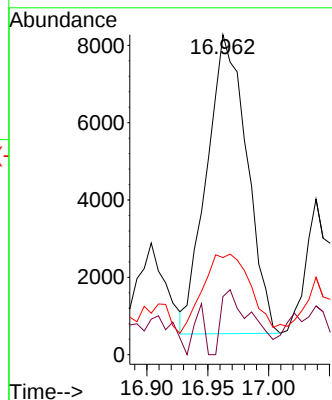
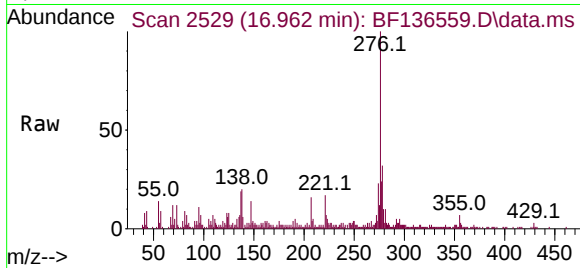




#91
Dibenzo(a,h)anthracene
Concen: 2.353 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Instrument :
BNA_F
ClientSampleId :
SP-E3-COMP

Tgt Ion:278 Resp: 17747
Ion Ratio Lower Upper
278 100
139 18.1 12.2 18.4
279 30.4 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 8.426 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF136559.D
Acq: 14 Dec 2023 02:35

Tgt Ion:276 Resp: 65214
Ion Ratio Lower Upper
276 100
277 25.5 18.7 28.1
138 20.7 16.6 25.0

