

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134812.D
 Acq On : 16 Aug 2023 16:59
 Operator : CG\JU
 Sample : 04019-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081523

Quant Time: Aug 17 01:34:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

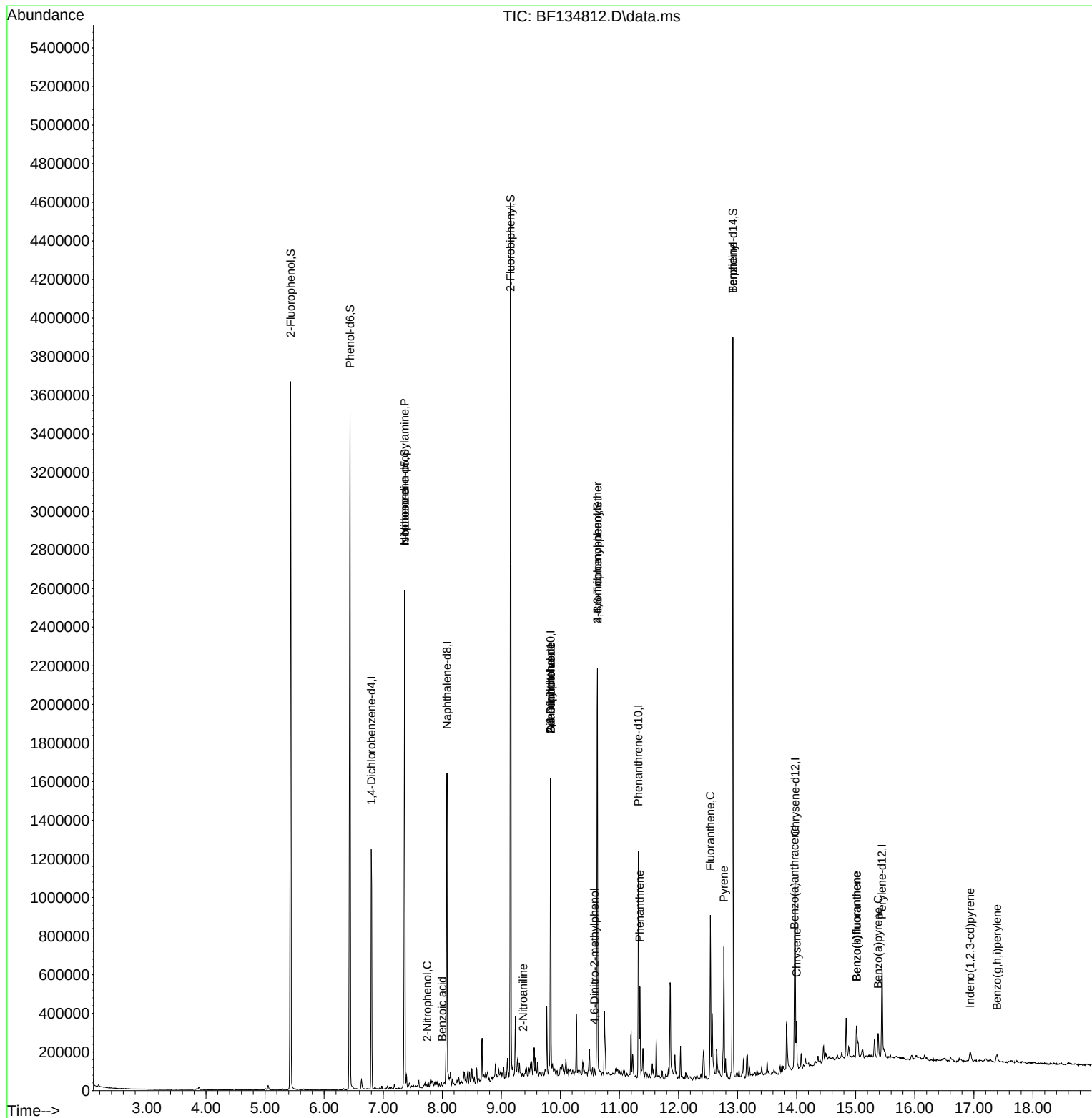
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	176719	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	673163	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	285825	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	428671	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	311045	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	231576	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1070674	92.097	ng	0.00
7) Phenol-d6	6.439	99	1316744	88.604	ng	0.00
23) Nitrobenzene-d5	7.363	82	798955	74.171	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	280442	96.249	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1385244	80.582	ng	0.00
79) Terphenyl-d14	12.921	244	1324440	75.063	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	269	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.363	70	107124	12.040	ng	# 72
25) Isophorone	7.363	82	787123	33.502	ng	# 65
26) 2-Nitrophenol	7.745	139	65	4.804	ng	# 4
32) Benzoic acid	7.998	122	58	7.874	ng	# 15
48) 2-Nitroaniline	9.369	65	132	3.190	ng	# 35
50) Dimethylphthalate	9.833	163	60086	3.084	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	39372	11.847	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	39372	10.532	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.574	198	58	8.726	ng	# 1
67) 4-Bromophenyl-phenylether	10.627	248	17625	3.756	ng	# 1
71) Phenanthrene	11.345	178	160827	7.063	ng	100
75) Fluoranthene	12.539	202	314907	13.093	ng	96
77) Benzidine	12.921	184	16207	2.400	ng	# 94
78) Pyrene	12.768	202	258641	9.609	ng	97
81) Benzo(a)anthracene	13.962	228	106910	4.807	ng	99
83) Chrysene	13.998	228	88564	4.087	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	39806	2.923	ng	96
88) Benzo(b)fluoranthene	15.015	252	125838	8.910	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	125838	8.944	ng	# 96
90) Benzo(a)pyrene	15.380	252	61763	4.690	ng	# 92
92) Benzo(g,h,i)perylene	17.392	276	40085	3.570	ng	# 92

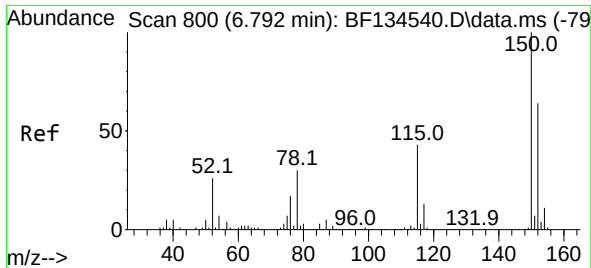
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
Data File : BF134812.D
Acq On : 16 Aug 2023 16:59
Operator : CG\JU
Sample : 04019-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-02-081523

Quant Time: Aug 17 01:34:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration

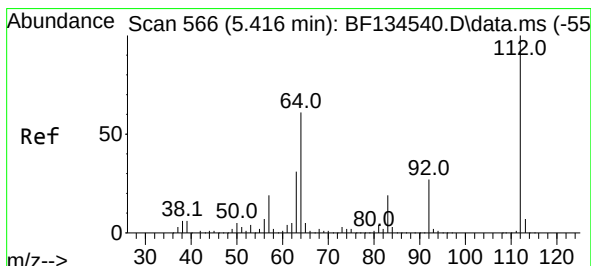
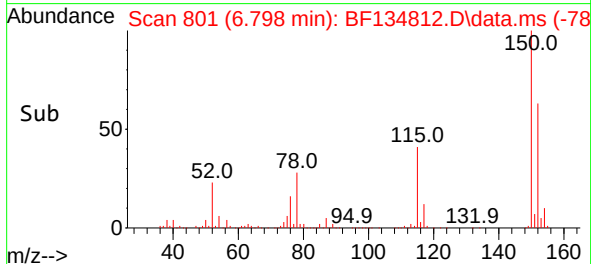
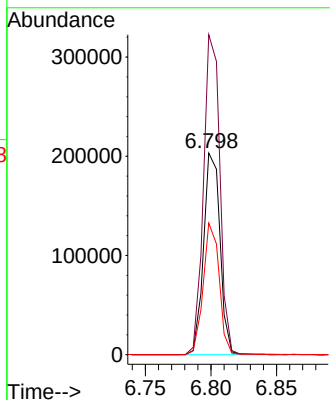
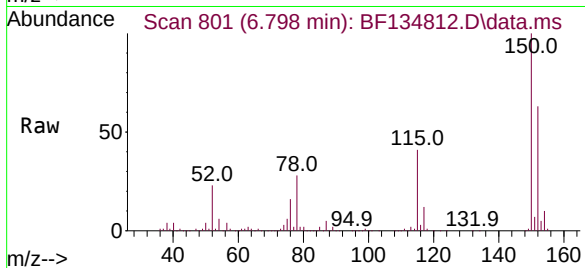




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

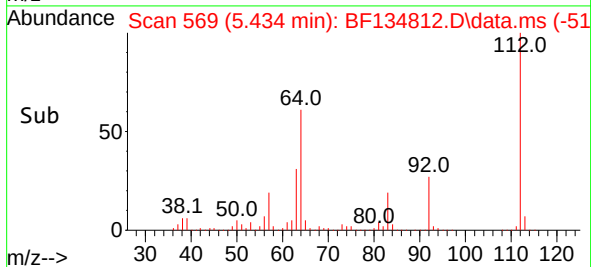
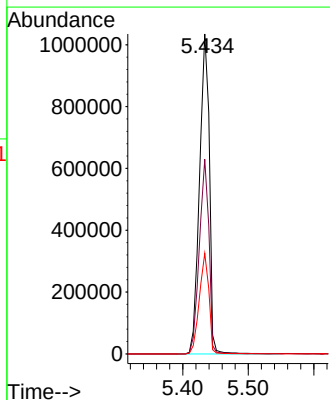
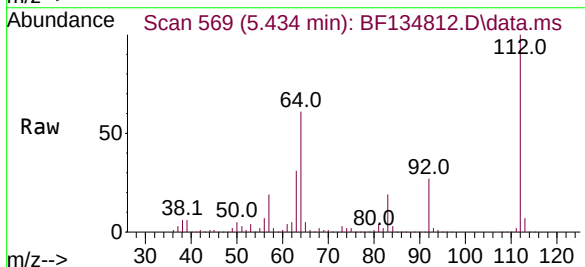
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

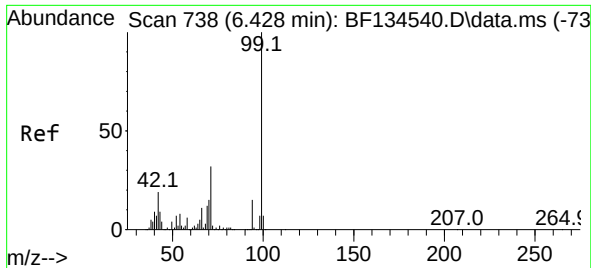
Tgt Ion:152 Resp: 176719
Ion Ratio Lower Upper
152 100
150 158.8 128.3 192.5
115 65.3 52.4 78.6



#5
2-Fluorophenol
Concen: 92.097 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:112 Resp: 1070674
Ion Ratio Lower Upper
112 100
64 60.8 44.9 67.3
63 31.4 25.4 38.0

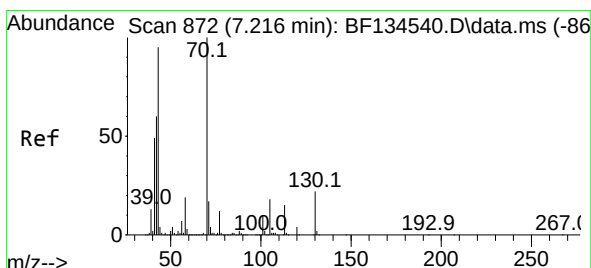
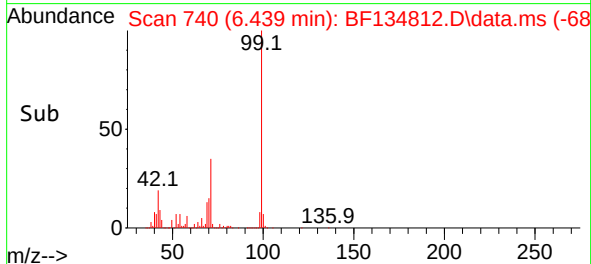
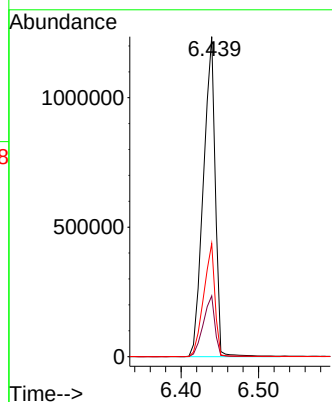
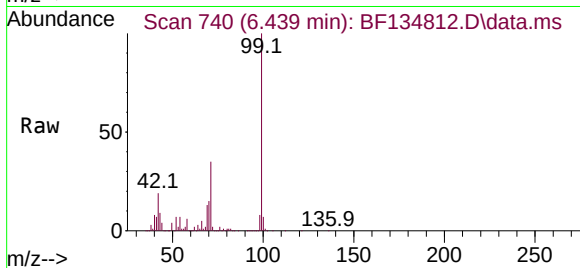




#7
Phenol-d6
Concen: 88.604 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

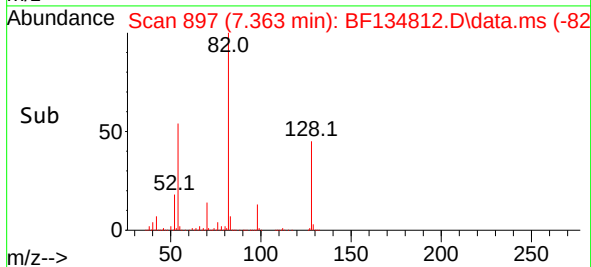
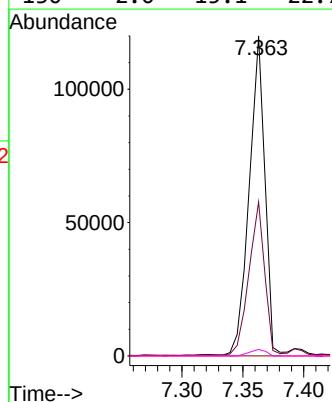
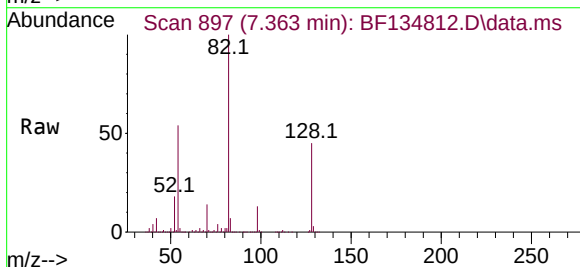
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

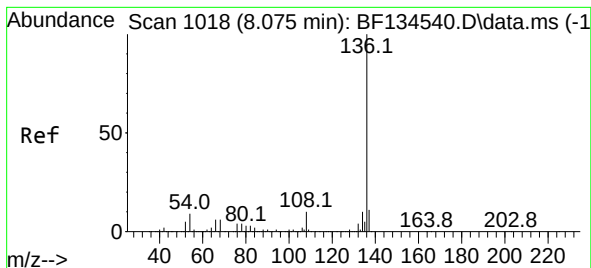
Tgt Ion: 99 Resp: 1316744
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 35.3 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 12.040 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion: 70 Resp: 107124
Ion Ratio Lower Upper
70 100
42 48.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

Tgt Ion:136 Resp: 673163

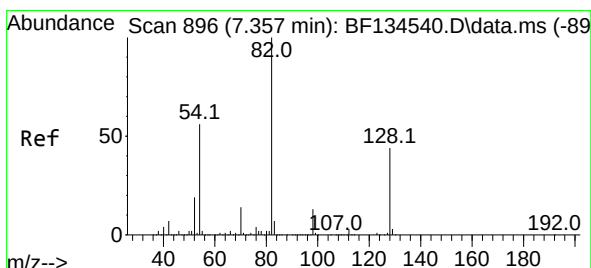
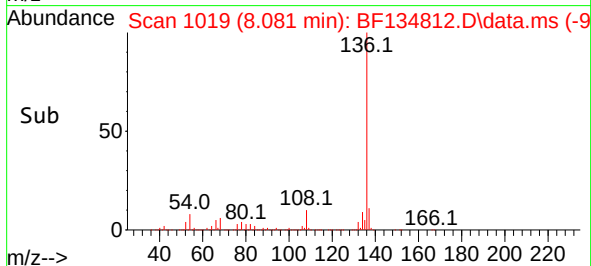
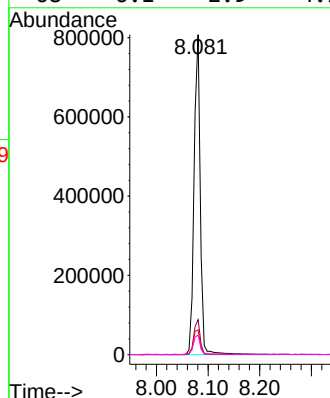
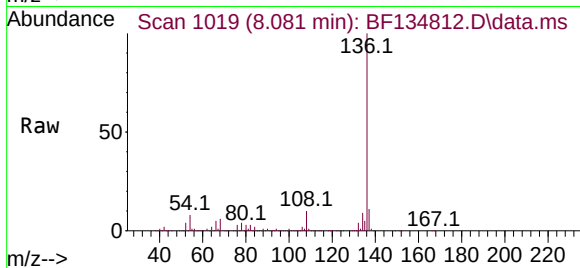
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 7.7 5.2 7.8

68 6.1 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 74.171 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

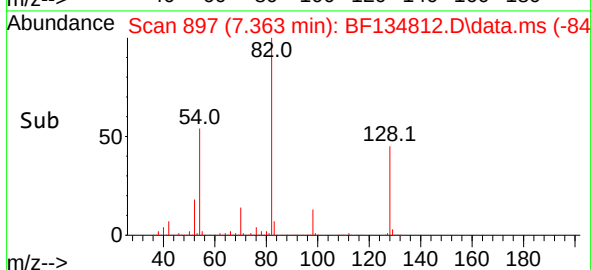
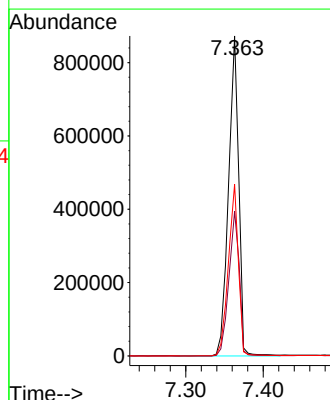
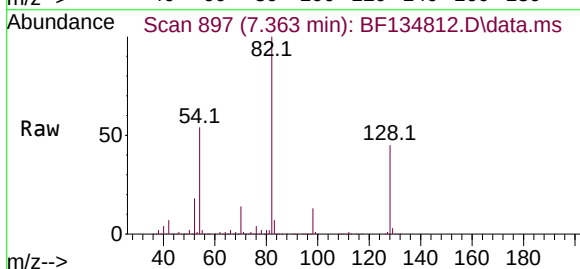
Tgt Ion: 82 Resp: 798955

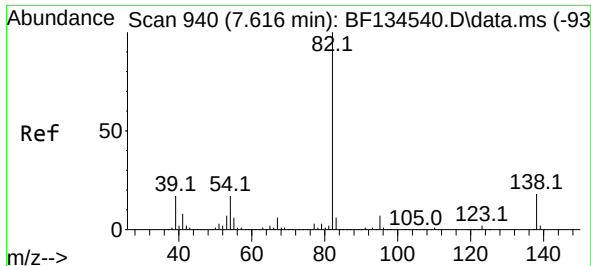
Ion Ratio Lower Upper

82 100

128 45.2 34.3 51.5

54 53.6 43.8 65.6





#25

Isophorone

Concen: 33.502 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.265 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

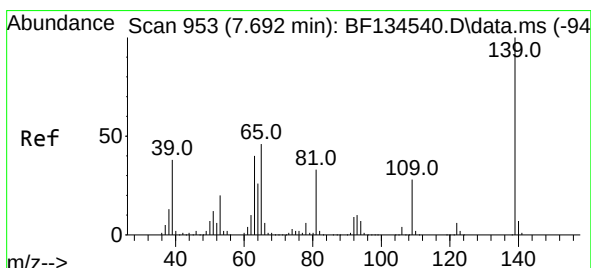
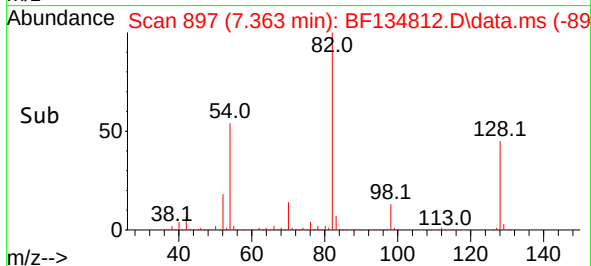
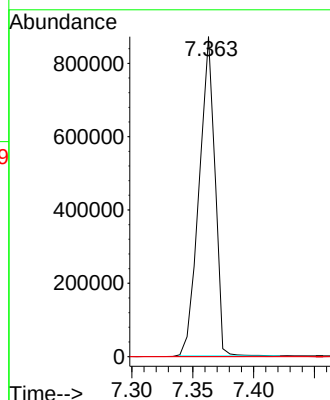
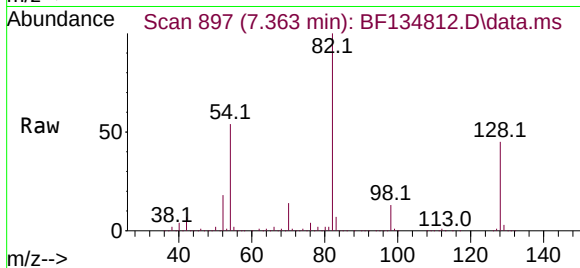
Tgt Ion: 82 Resp: 787123

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.6 22.0#



#26

2-Nitrophenol

Concen: 4.804 ng

RT: 7.745 min Scan# 962

Delta R.T. 0.047 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

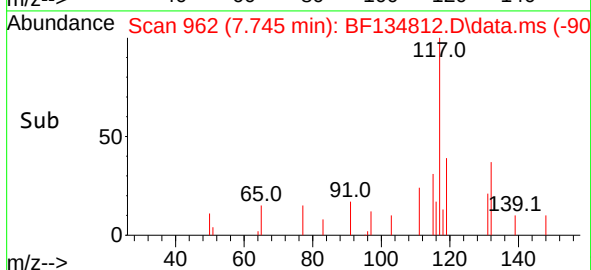
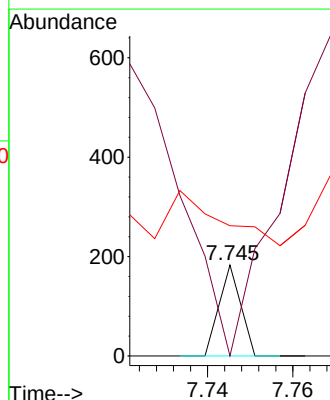
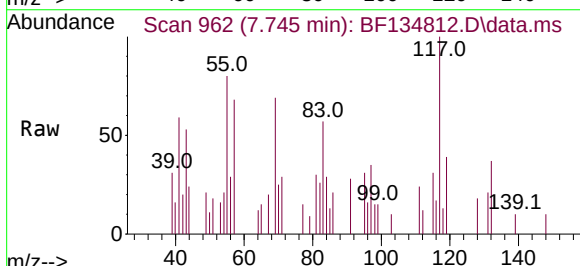
Tgt Ion:139 Resp: 65

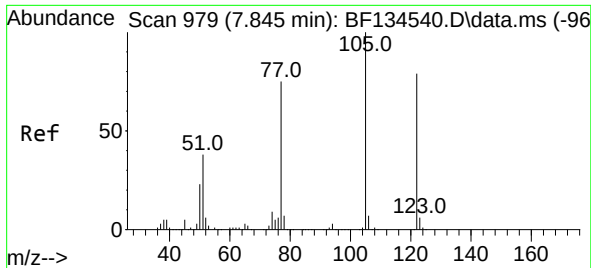
Ion Ratio Lower Upper

139 100

109 0.0 29.8 44.6#

65 143.2 45.4 68.2#

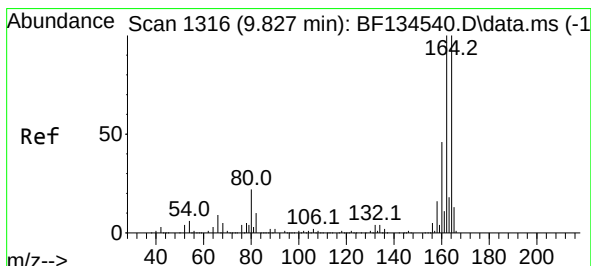
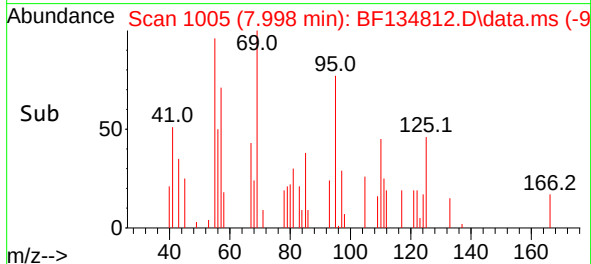
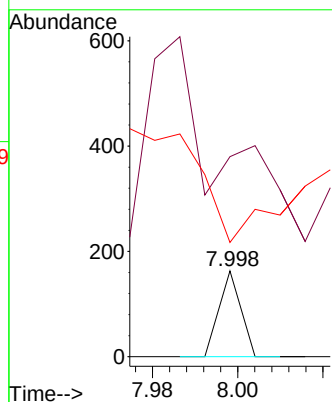
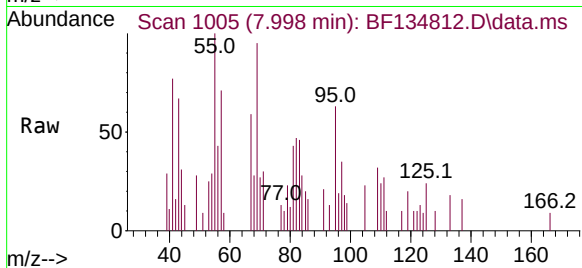




#32
Benzoic acid
Concen: 7.874 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.135 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

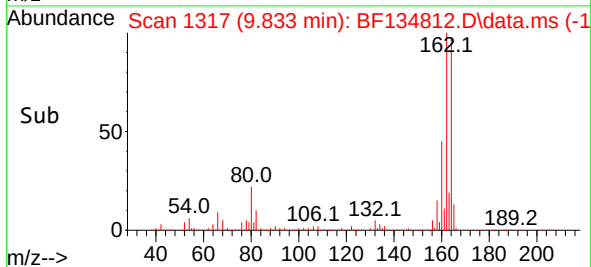
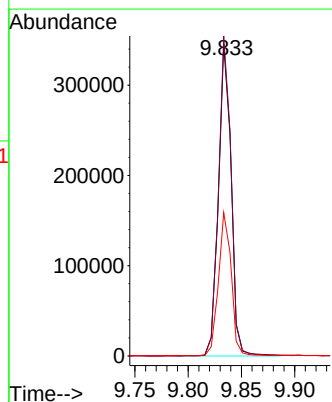
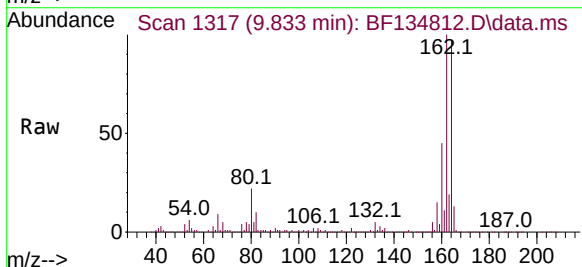
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

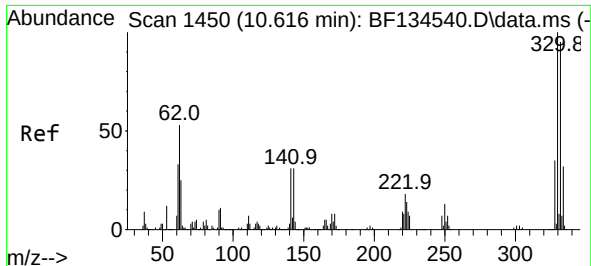
Tgt Ion:122 Resp: 58
Ion Ratio Lower Upper
122 100
105 233.1 87.5 127.5#
77 133.1 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:164 Resp: 285825
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 46.1 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 96.249 ng

RT: 10.627 min Scan# 1450

Delta R.T. -0.000 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

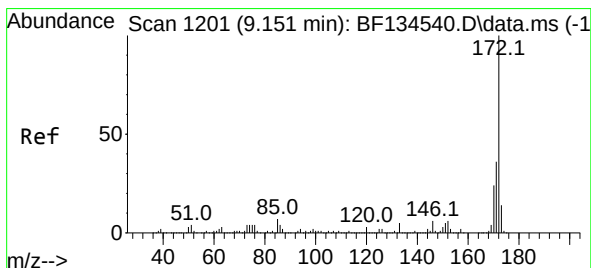
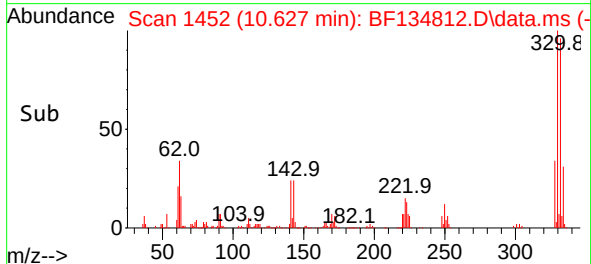
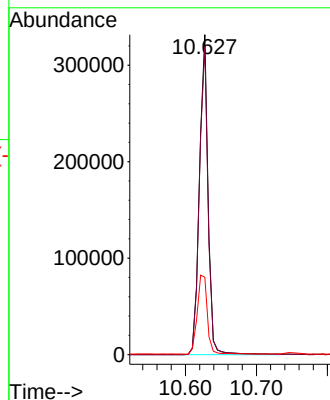
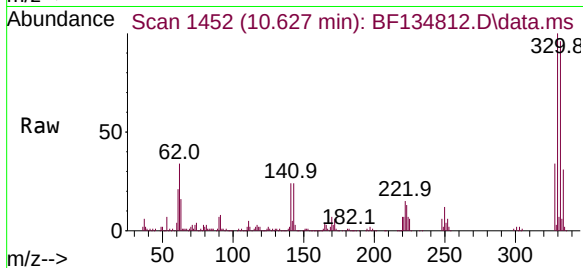
Tgt Ion:330 Resp: 280442

Ion Ratio Lower Upper

330 100

332 97.2 78.8 118.2

141 28.8 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 80.582 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

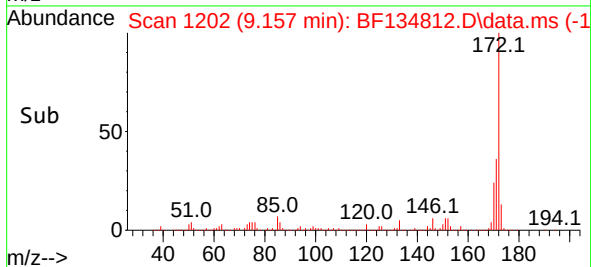
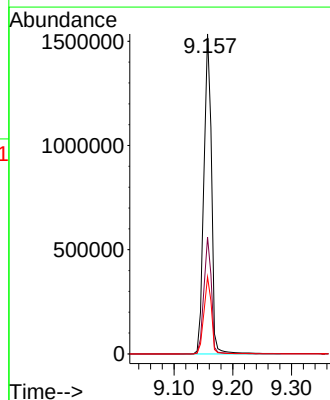
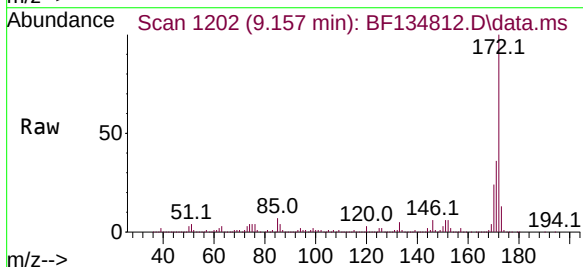
Tgt Ion:172 Resp: 1385244

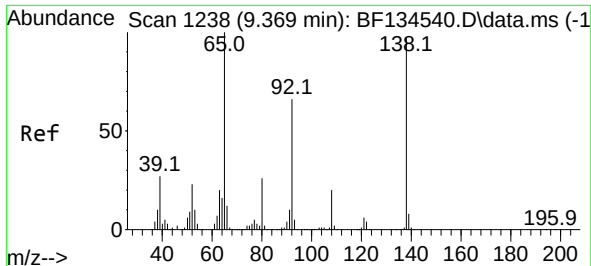
Ion Ratio Lower Upper

172 100

171 36.5 28.8 43.2

170 24.0 18.7 28.1

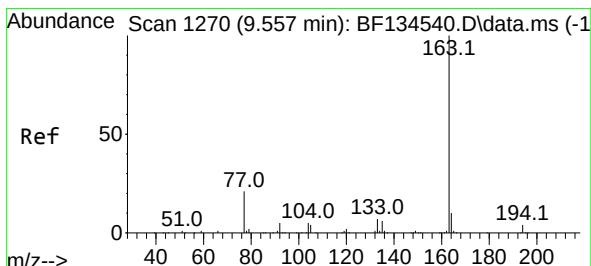
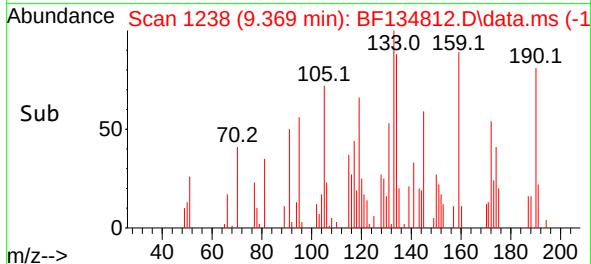
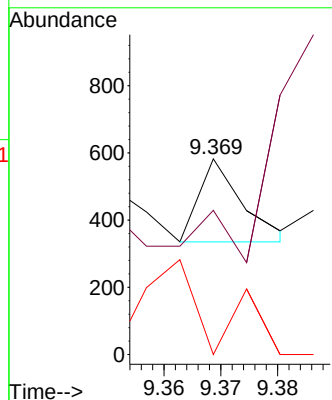
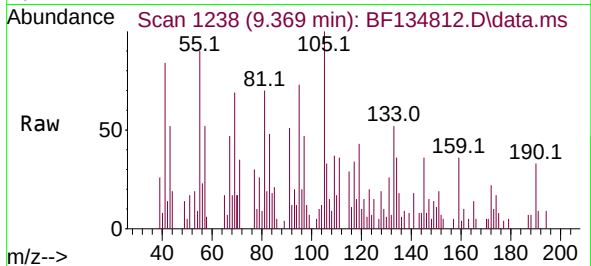




#48
2-Nitroaniline
Concen: 3.190 ng
RT: 9.369 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

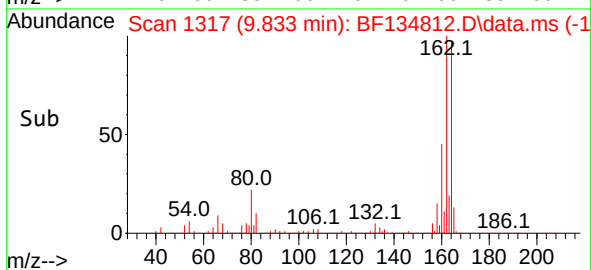
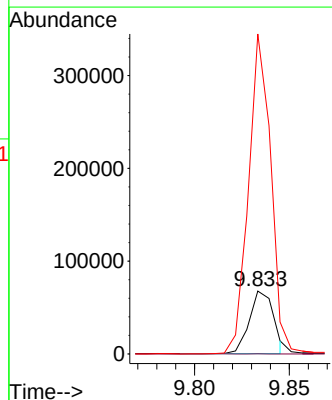
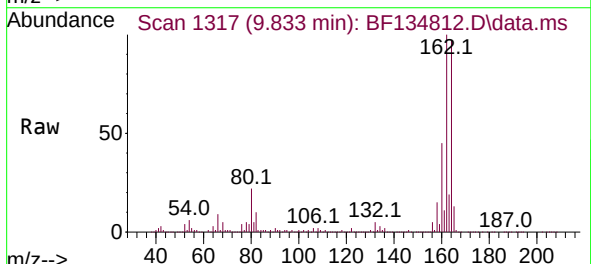
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

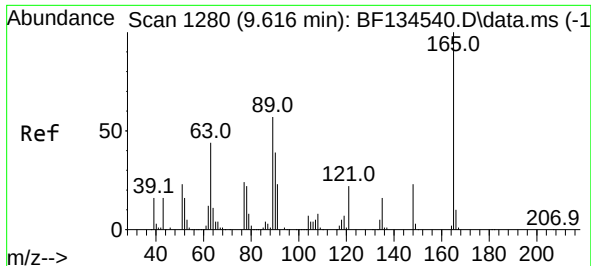
Tgt Ion: 65 Resp: 132
Ion Ratio Lower Upper
65 100
92 73.7 50.7 76.1
138 0.0 78.2 117.4#



#50
Dimethylphthalate
Concen: 3.084 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:163 Resp: 60086
Ion Ratio Lower Upper
163 100
194 0.2 3.3 4.9#
164 509.4 7.5 11.3#

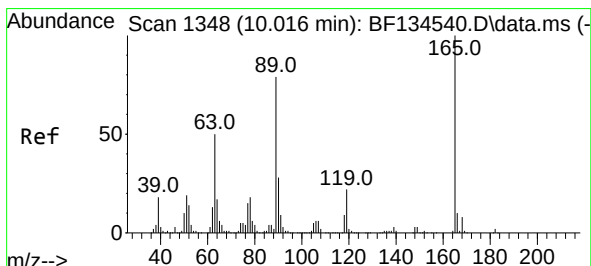
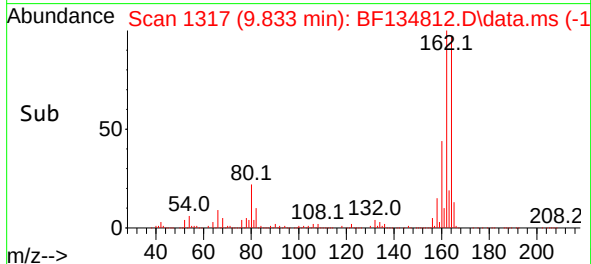
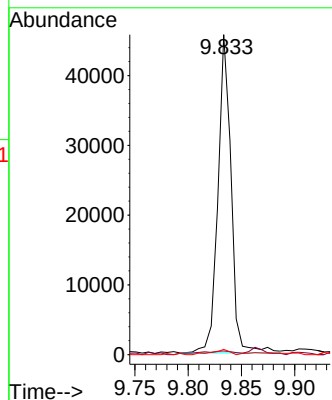
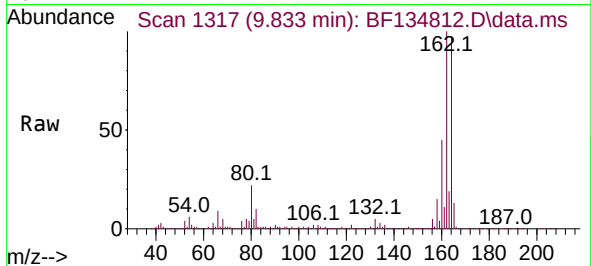




#51
2,6-Dinitrotoluene
Concen: 11.847 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

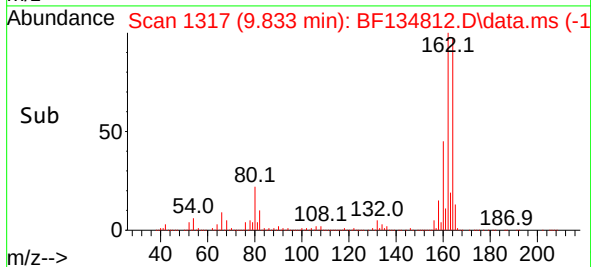
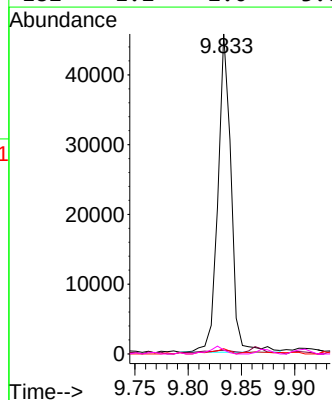
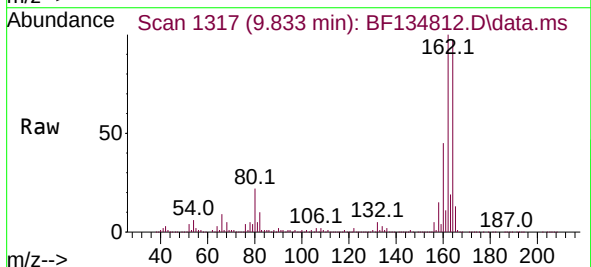
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

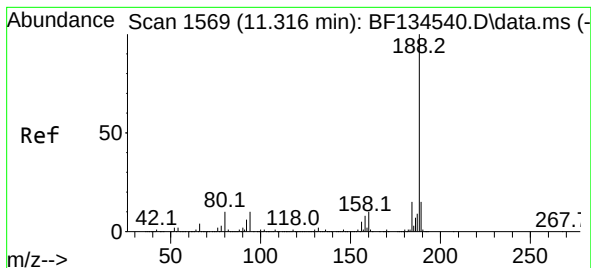
Tgt Ion:165 Resp: 39372
Ion Ratio Lower Upper
165 100
63 1.1 57.8 86.6#
89 1.6 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.532 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:165 Resp: 39372
Ion Ratio Lower Upper
165 100
63 1.1 48.9 73.3#
89 1.6 61.7 92.5#
182 1.2 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

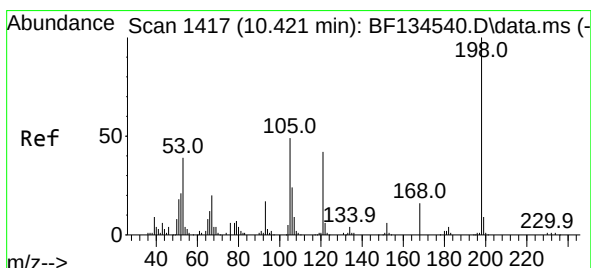
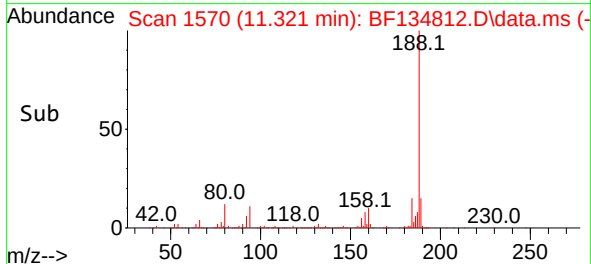
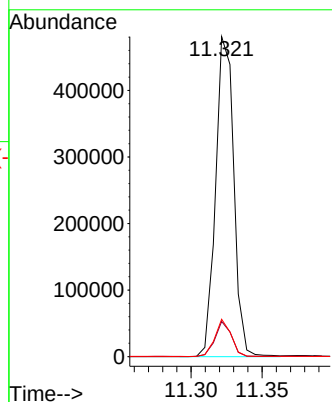
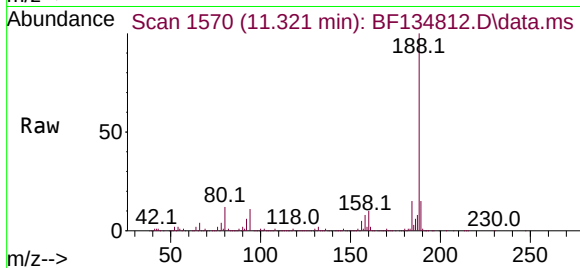
Tgt Ion:188 Resp: 428671

Ion Ratio Lower Upper

188 100

94 11.0 5.1 7.7#

80 11.7 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.726 ng

RT: 10.574 min Scan# 1443

Delta R.T. 0.135 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

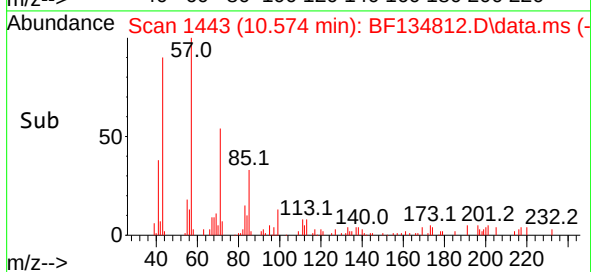
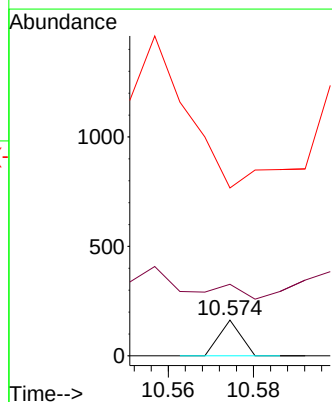
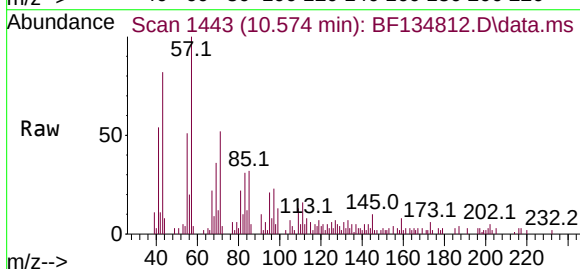
Tgt Ion:198 Resp: 58

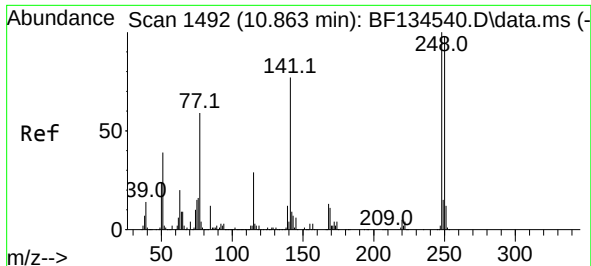
Ion Ratio Lower Upper

198 100

51 200.6 38.6 78.6#

105 470.6 27.9 67.9#

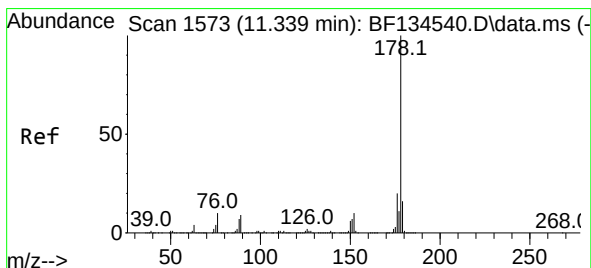
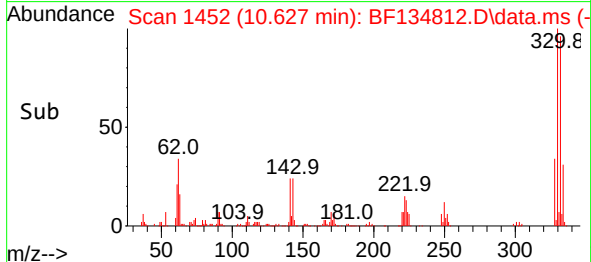
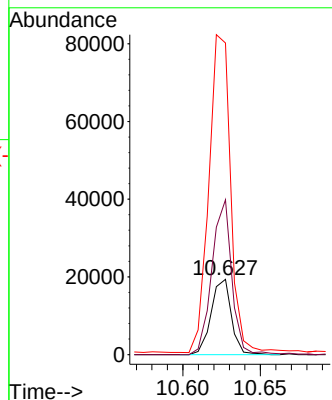
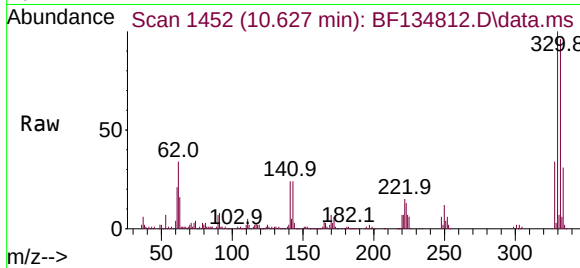




#67
4-Bromophenyl-phenylether
Concen: 3.756 ng
RT: 10.627 min Scan# 1492
Delta R.T. -0.241 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

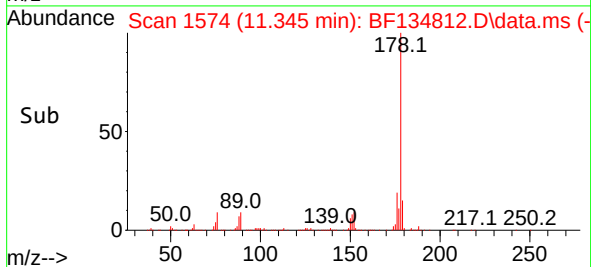
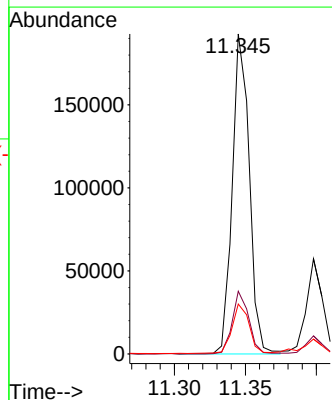
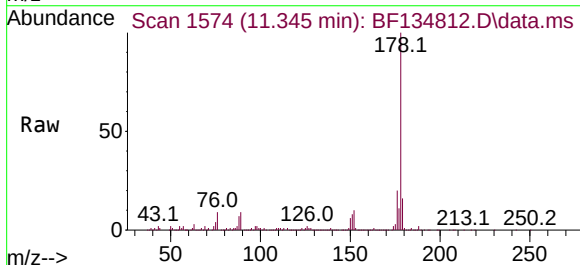
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

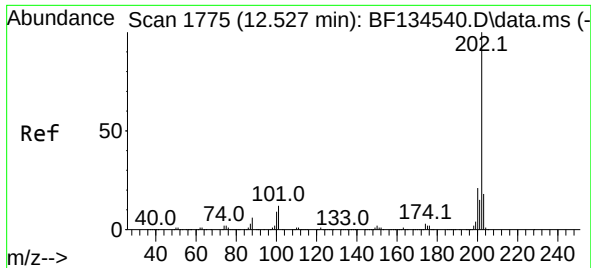
Tgt Ion:248 Resp: 17625
Ion Ratio Lower Upper
248 100
250 205.5 79.6 119.4#
141 413.9 59.6 89.4#



#71
Phenanthrene
Concen: 7.063 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:178 Resp: 160827
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.7 19.1

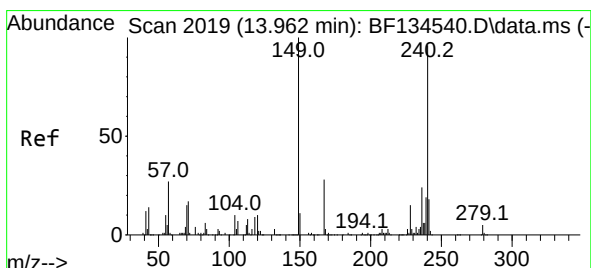
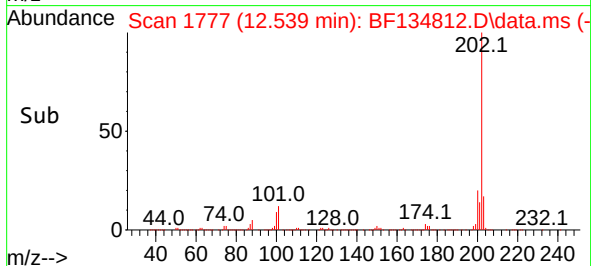
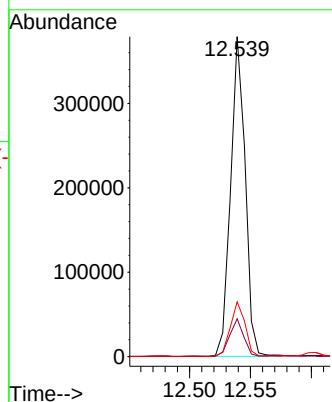
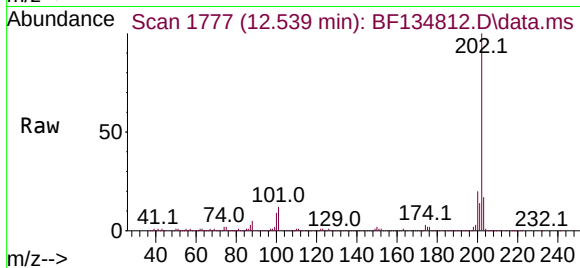




#75
Fluoranthene
Concen: 13.093 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

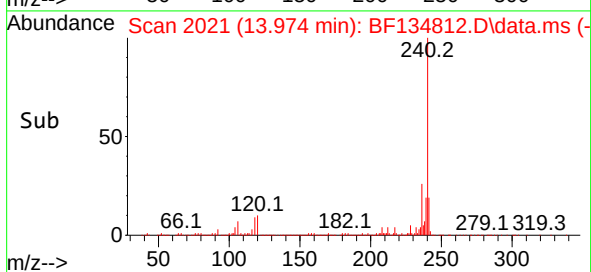
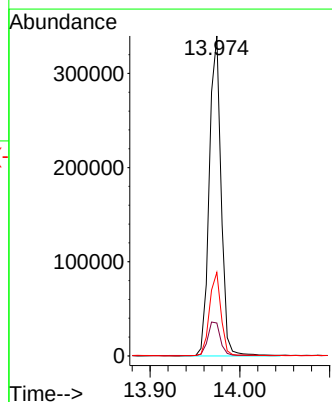
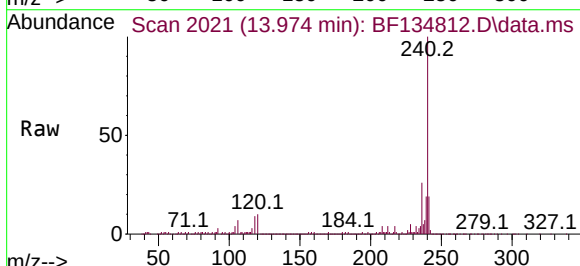
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

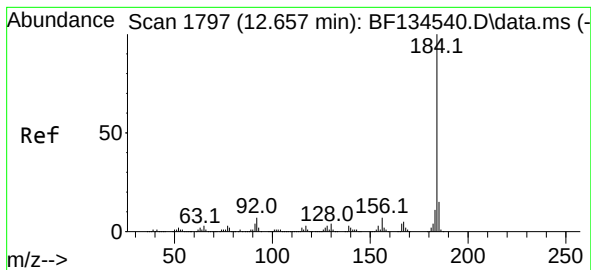
Tgt Ion:202 Resp: 314907
Ion Ratio Lower Upper
202 100
101 11.8 0.0 28.5
203 17.1 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:240 Resp: 311045
Ion Ratio Lower Upper
240 100
120 10.3 6.6 10.0#
236 26.1 20.2 30.2





#77

Benzidine

Concen: 2.400 ng

RT: 12.921 min Scan# 1816

Delta R.T. 0.259 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523

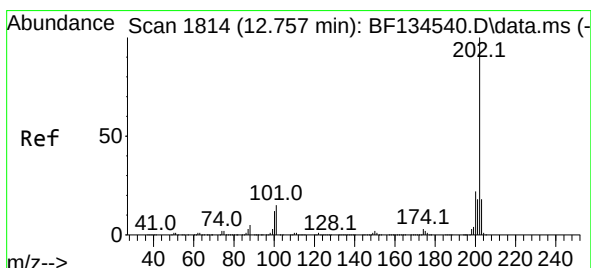
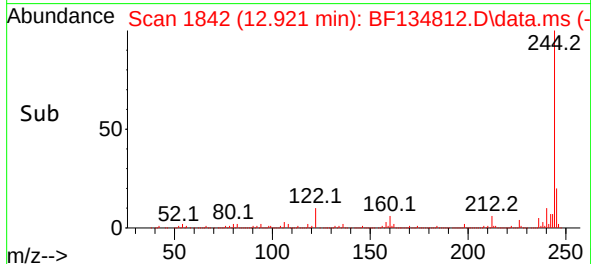
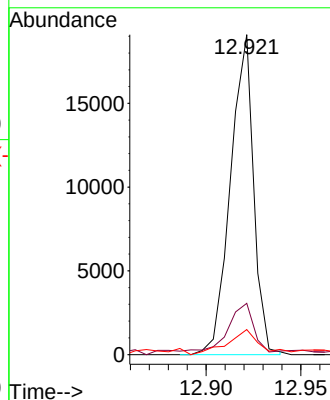
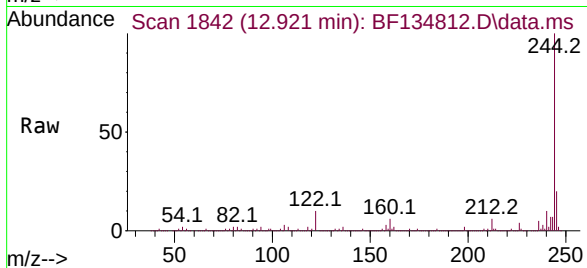
Tgt Ion:184 Resp: 16207

Ion Ratio Lower Upper

184 100

185 16.0 11.2 16.8

183 7.8 8.6 13.0#



#78

Pyrene

Concen: 9.609 ng

RT: 12.768 min Scan# 1816

Delta R.T. -0.000 min

Lab File: BF134812.D

Acq: 16 Aug 2023 16:59

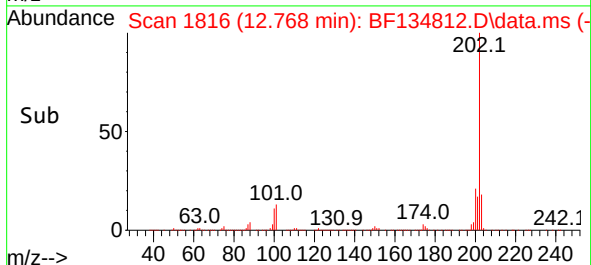
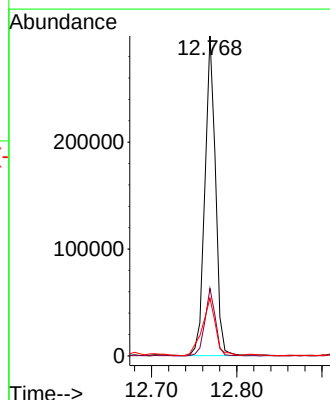
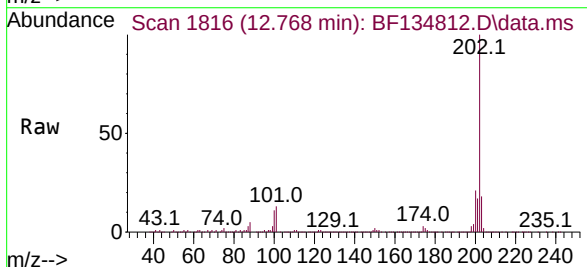
Tgt Ion:202 Resp: 258641

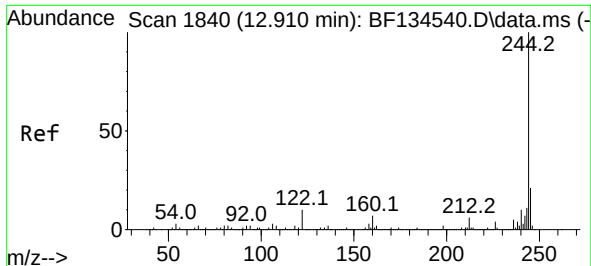
Ion Ratio Lower Upper

202 100

200 21.1 15.8 23.8

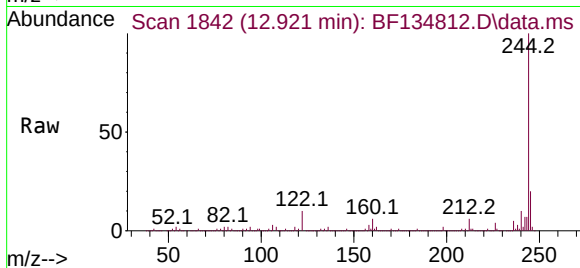
203 18.0 13.5 20.3



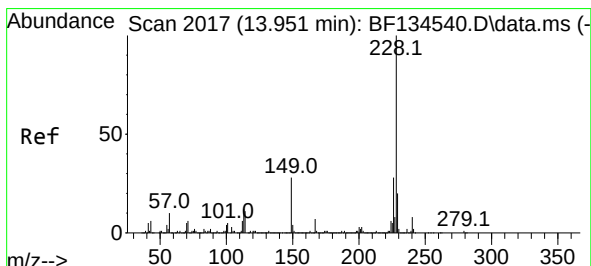
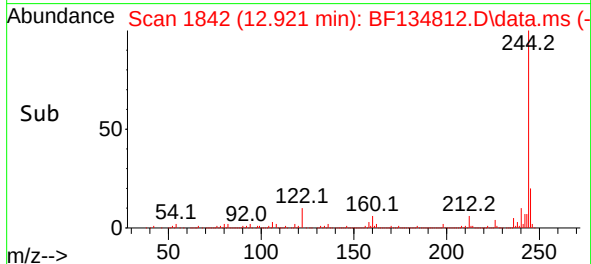
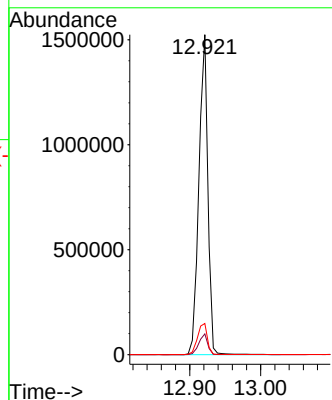


#79
 Terphenyl-d14
 Concen: 75.063 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF134812.D
 Acq: 16 Aug 2023 16:59

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081523

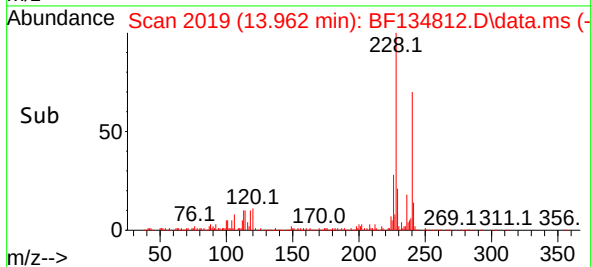
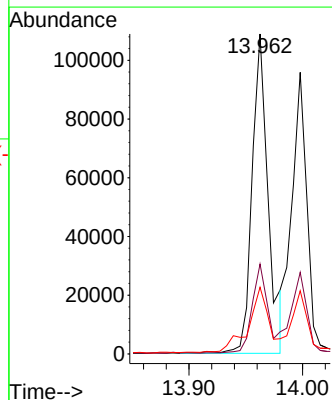
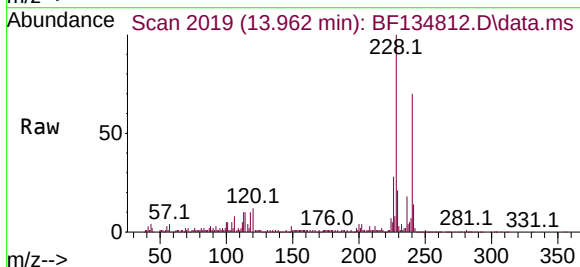


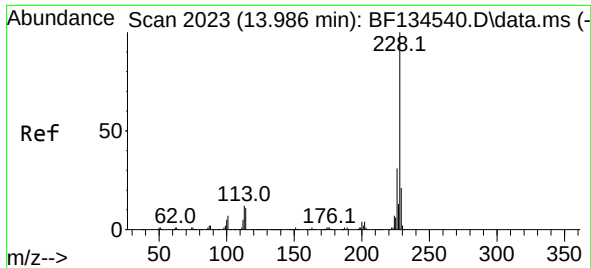
Tgt Ion:244 Resp: 1324440
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 9.7 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 4.807 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: BF134812.D
 Acq: 16 Aug 2023 16:59

Tgt Ion:228 Resp: 106910
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.3 33.5
 229 20.8 15.8 23.6

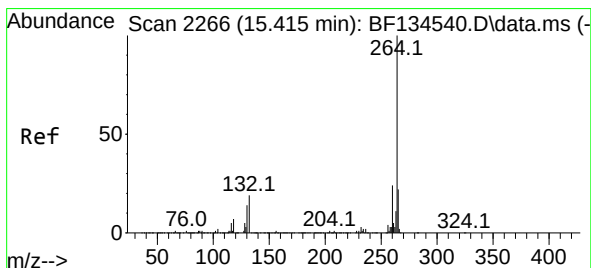
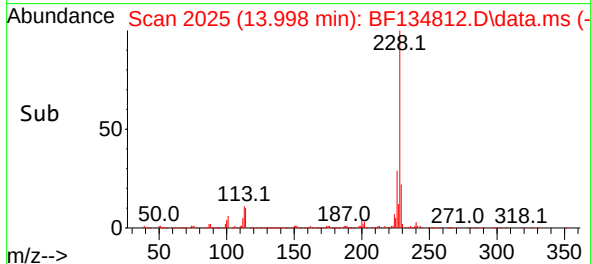
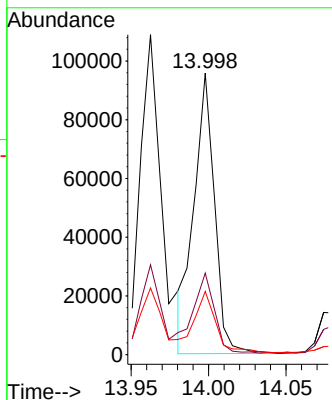
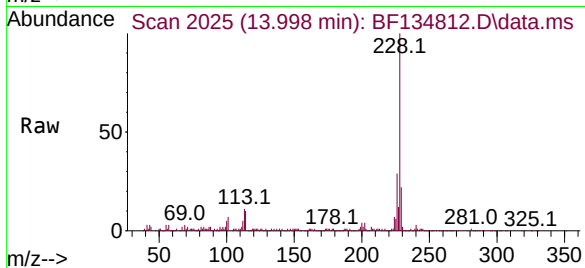




#83
Chrysene
Concen: 4.087 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

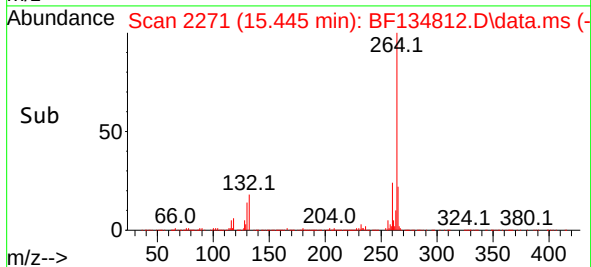
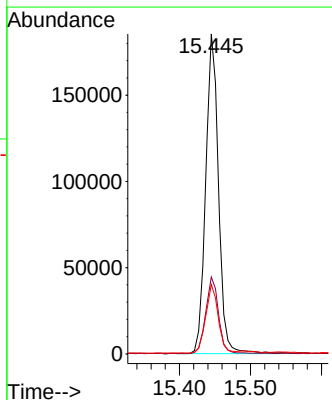
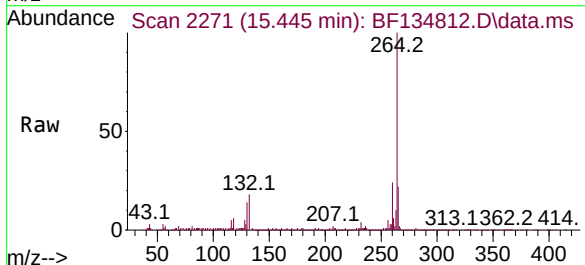
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

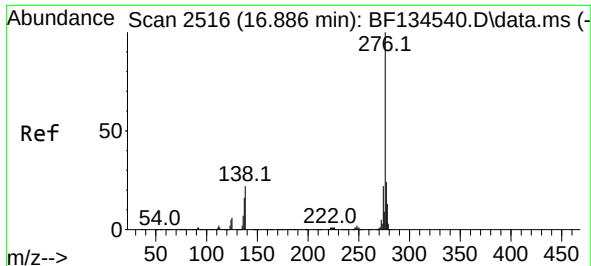
Tgt Ion:228 Resp: 88564
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 22.4 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:264 Resp: 231576
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 21.7 15.8 23.8

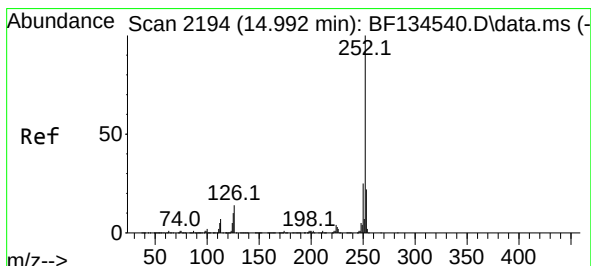
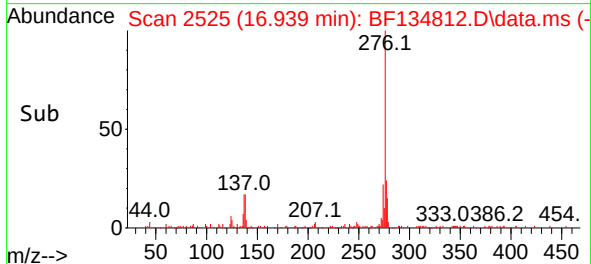
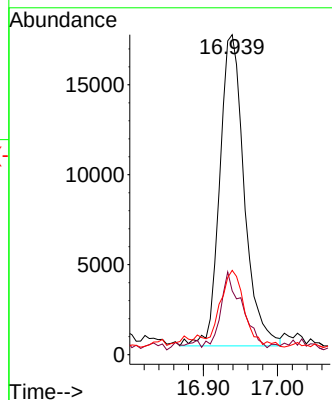
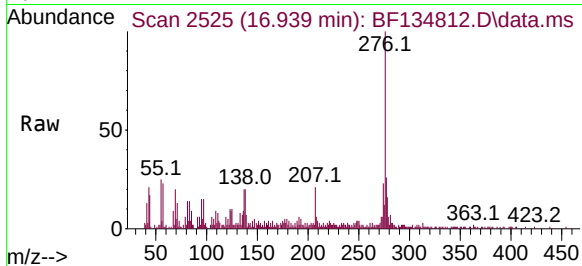




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.923 ng
 RT: 16.939 min Scan# 2198
 Delta R.T. 0.012 min
 Lab File: BF134812.D
 Acq: 16 Aug 2023 16:59

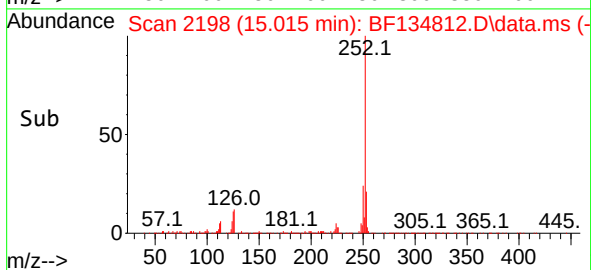
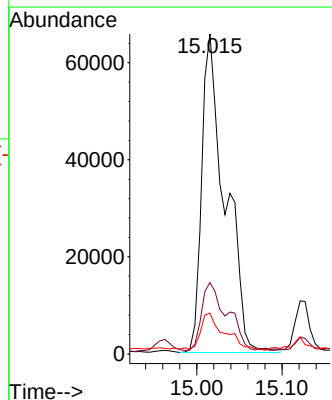
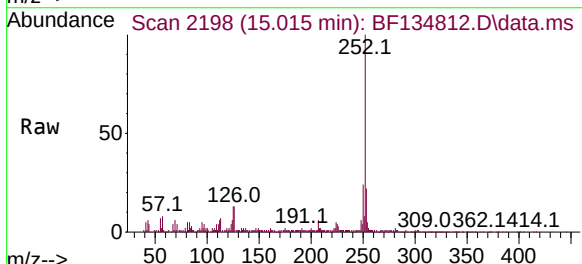
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081523

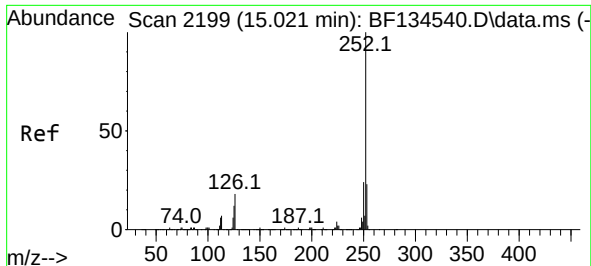
Tgt Ion:276 Resp: 39806
 Ion Ratio Lower Upper
 276 100
 138 20.9 14.2 21.4
 277 24.1 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 8.910 ng
 RT: 15.015 min Scan# 2198
 Delta R.T. 0.006 min
 Lab File: BF134812.D
 Acq: 16 Aug 2023 16:59

Tgt Ion:252 Resp: 125838
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.3 25.9
 125 12.7 6.0 9.0#

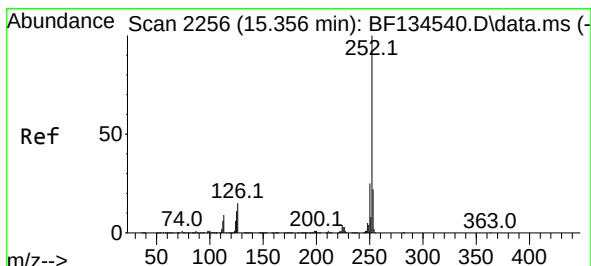
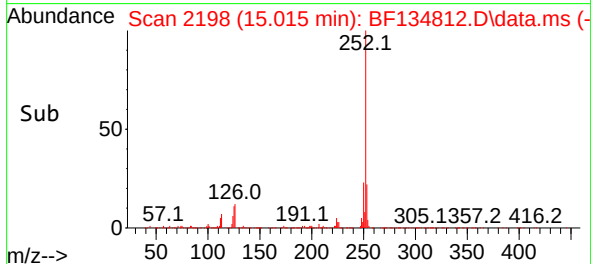
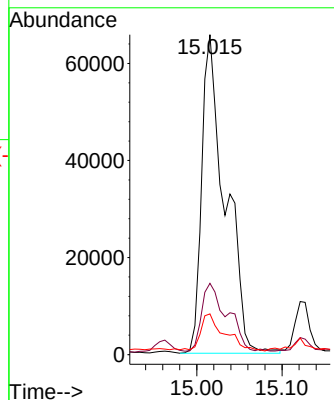
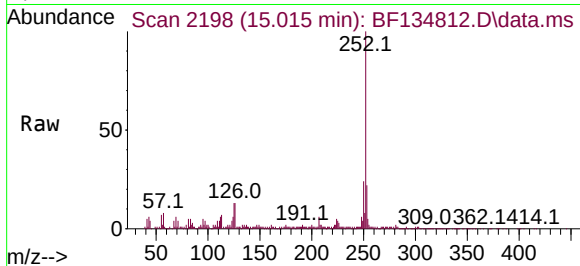




#89
Benzo(k)fluoranthene
Concen: 8.944 ng
RT: 15.015 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

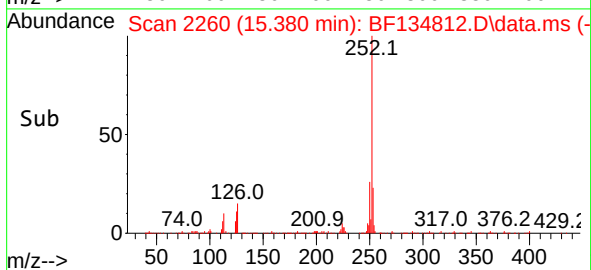
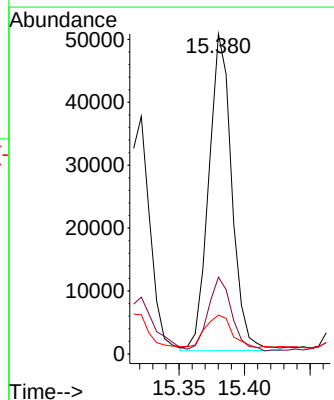
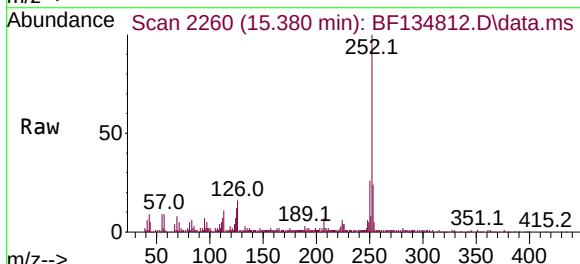
Instrument :
BNA_F
ClientSampleId :
EO-02-081523

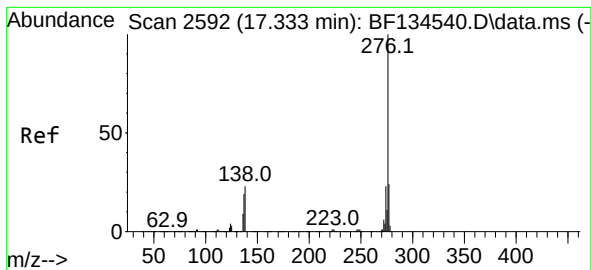
Tgt Ion:252 Resp: 125838
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 12.7 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 4.690 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF134812.D
Acq: 16 Aug 2023 16:59

Tgt Ion:252 Resp: 61763
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 12.1 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 3.570 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF134812.D

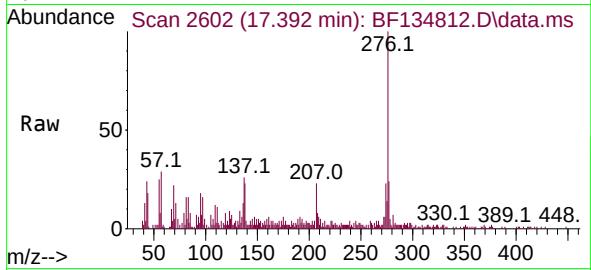
Acq: 16 Aug 2023 16:59

Instrument :

BNA_F

ClientSampleId :

EO-02-081523



Tgt Ion:276 Resp: 40085

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 23.3 12.2 18.2#

