

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134750.D
 Acq On : 14 Aug 2023 10:00
 Operator : CG\JU
 Sample : 03974-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-081023DL

Quant Time: Aug 14 11:39:23 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)

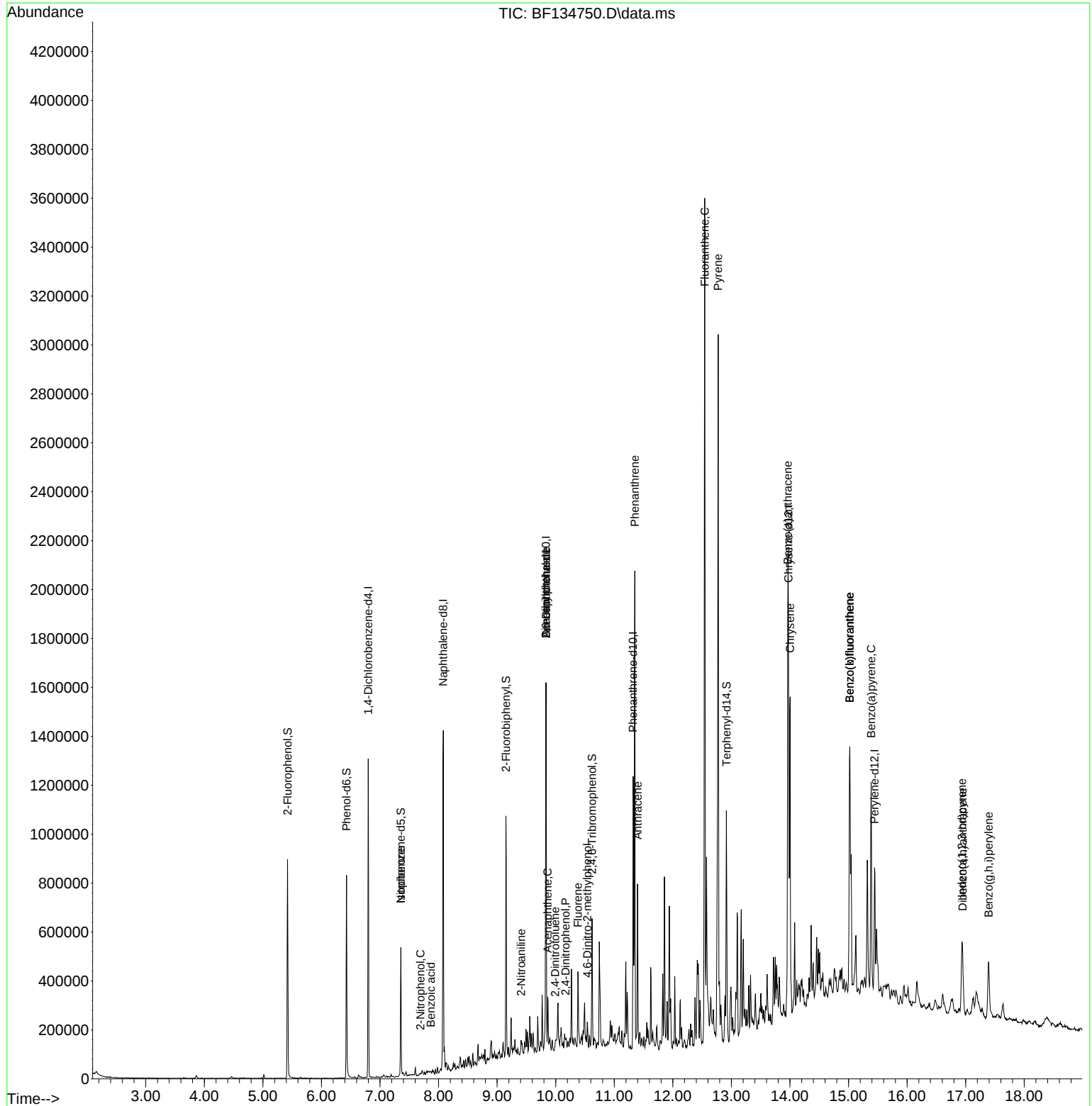
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	177073	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	610429	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	274405	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	433162	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	314245	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	246319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	223793	19.212	ng	0.00
7) Phenol-d6	6.428	99	252301	16.944	ng	-0.01
23) Nitrobenzene-d5	7.357	82	150126	15.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	52325	18.706	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	302707	18.342	ng	-0.01
79) Terphenyl-d14	12.915	244	293310	16.454	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	213	Below Cal	#	27
25) Isophorone	7.357	82	143640	6.742	ng	# 65
26) 2-Nitrophenol	7.692	139	78	4.808	ng	# 1
32) Benzoic acid	7.869	122	243	7.900	ng	# 64
48) 2-Nitroaniline	9.410	65	516	3.263	ng	# 55
50) Dimethylphthalate	9.833	163	57529	3.076	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	37259	11.713	ng	# 18
52) Acenaphthene	9.863	154	42413	2.604	ng	97
54) 2,4-Dinitrophenol	10.169	184	72	6.843	ng	# 1
57) 2,4-Dinitrotoluene	9.992	165	1302	3.115	ng	# 53
58) Fluorene	10.380	166	75695	4.482	ng	97
65) 4,6-Dinitro-2-methylph...	10.539	198	134	8.762	ng	# 1
71) Phenanthrene	11.351	178	685383	29.789	ng	99
72) Anthracene	11.398	178	230145	9.793	ng	99
75) Fluoranthene	12.545	202	1338721	55.084	ng	97
78) Pyrene	12.774	202	1168701	42.979	ng	97
81) Benzo(a)anthracene	13.962	228	666601	29.666	ng	99
83) Chrysene	14.004	228	548357	25.049	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	229537	15.845	ng	95
88) Benzo(b)fluoranthene	15.021	252	787166	52.398	ng	# 94
89) Benzo(k)fluoranthene	15.021	252	787166	52.600	ng	# 96
90) Benzo(a)pyrene	15.386	252	404711	28.894	ng	# 94
91) Dibenzo(a,h)anthracene	16.951	278	53671	4.584	ng	# 82
92) Benzo(g,h,i)perylene	17.392	276	202504	16.957	ng	# 93

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

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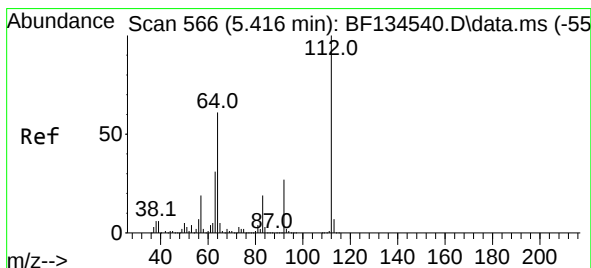
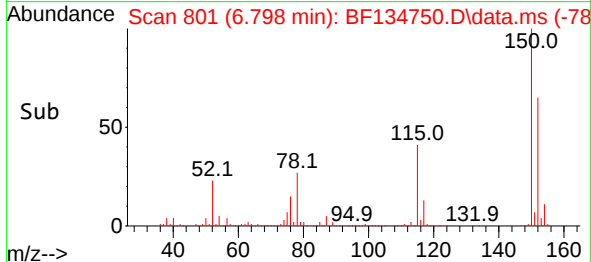
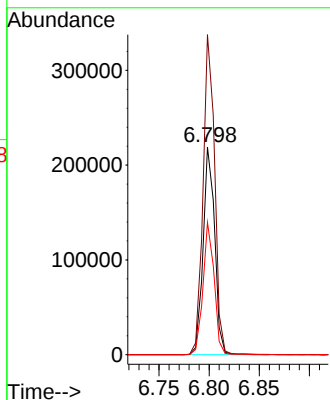
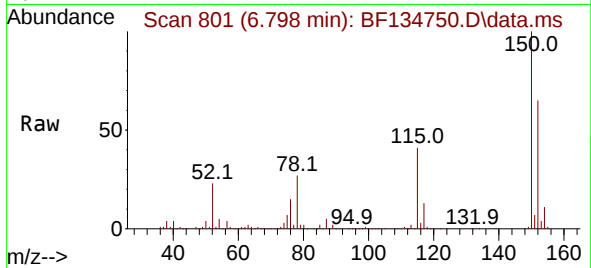




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

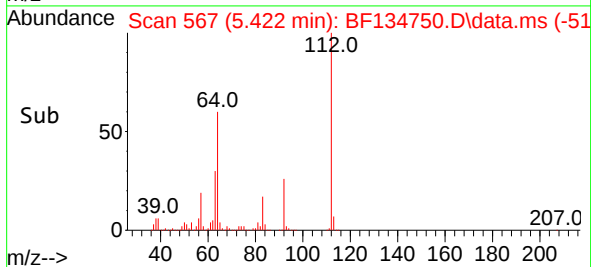
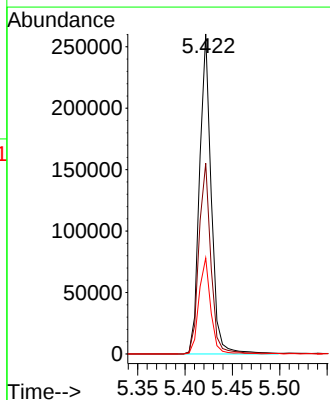
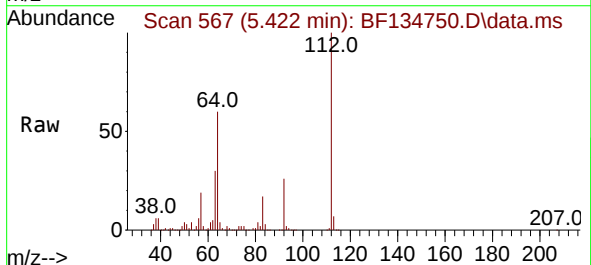
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

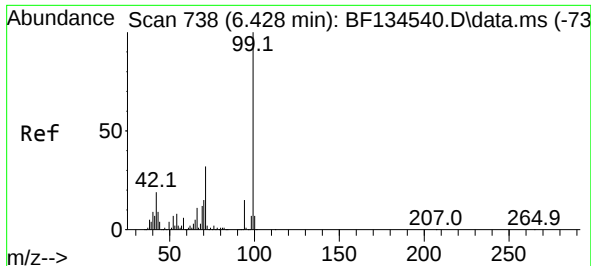
Tgt Ion:152 Resp: 177073
Ion Ratio Lower Upper
152 100
150 154.1 128.3 192.5
115 63.7 52.4 78.6



#5
2-Fluorophenol
Concen: 19.212 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:112 Resp: 223793
Ion Ratio Lower Upper
112 100
64 59.6 44.9 67.3
63 30.0 25.4 38.0

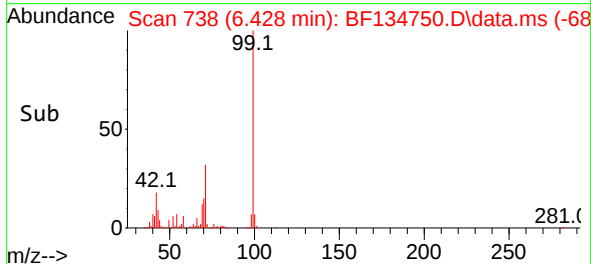
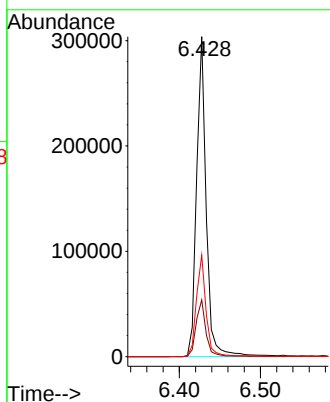
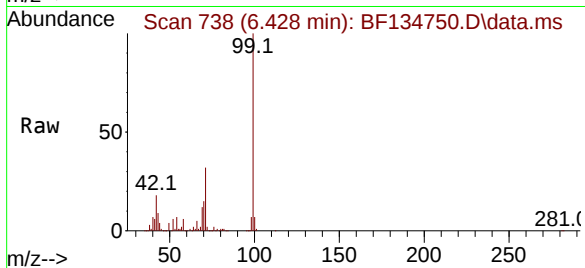




#7
Phenol-d6
Concen: 16.944 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

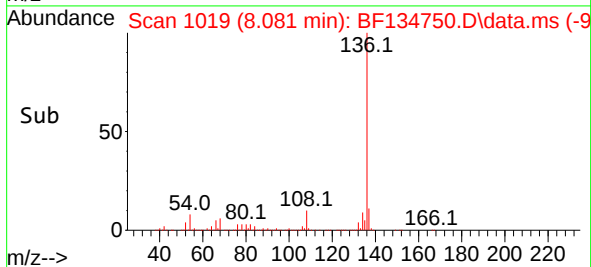
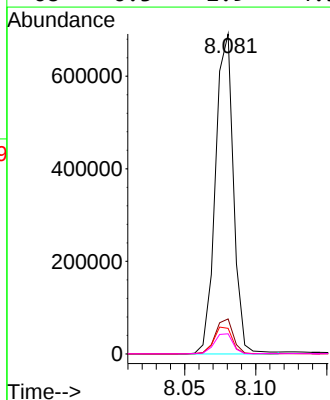
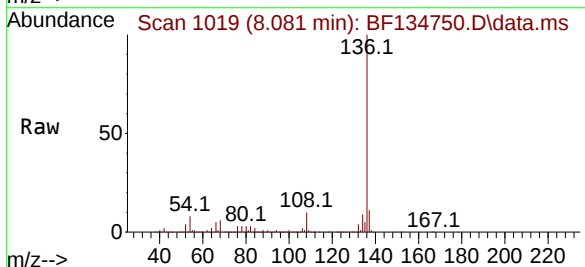
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

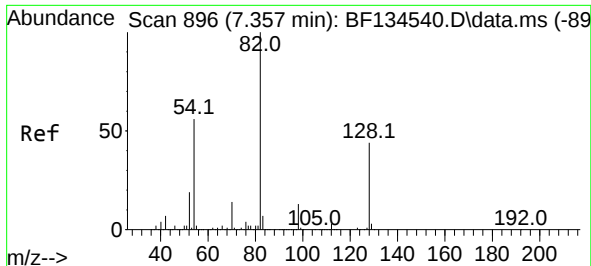
Tgt Ion: 99 Resp: 252301
Ion Ratio Lower Upper
99 100
42 17.8 18.7 28.1#
71 31.8 36.4 54.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion: 136 Resp: 610429
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 5.2 7.8#
68 6.3 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 15.369 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

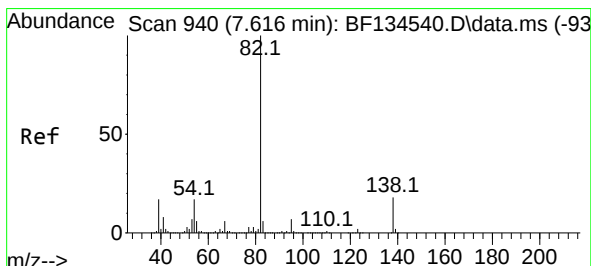
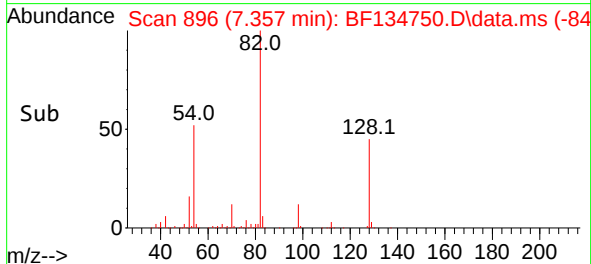
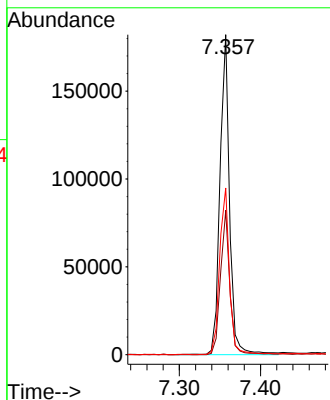
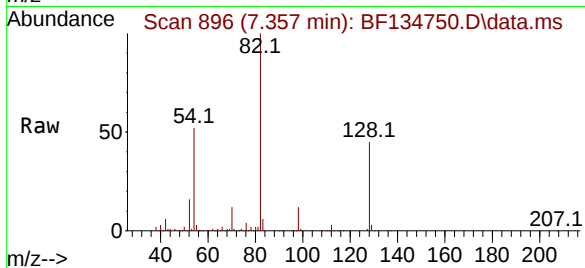
Tgt Ion: 82 Resp: 150126

Ion Ratio Lower Upper

82 100

128 45.1 34.3 51.5

54 52.1 43.8 65.6



#25

Isophorone

Concen: 6.742 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.271 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

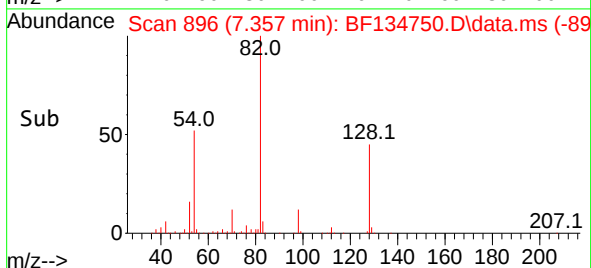
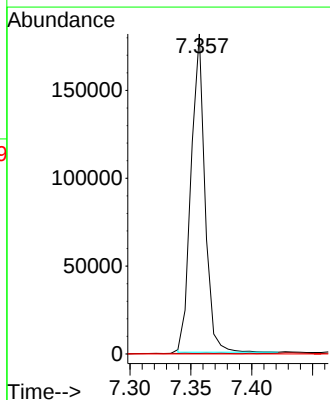
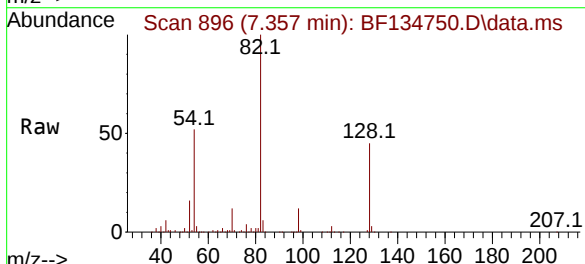
Tgt Ion: 82 Resp: 143640

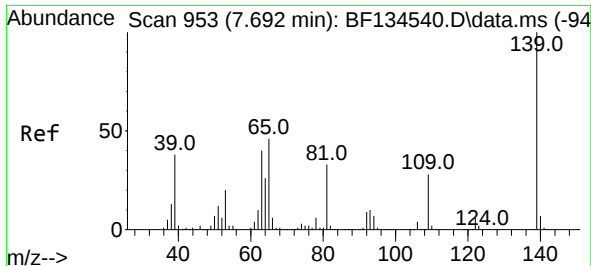
Ion Ratio Lower Upper

82 100

95 0.2 6.0 9.0#

138 0.0 14.6 22.0#

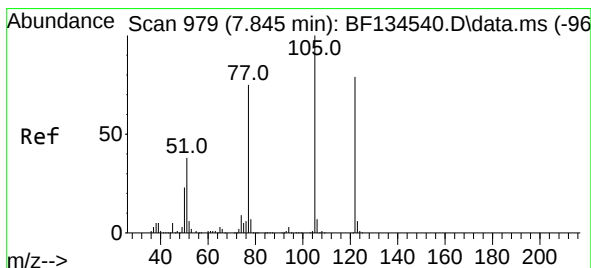
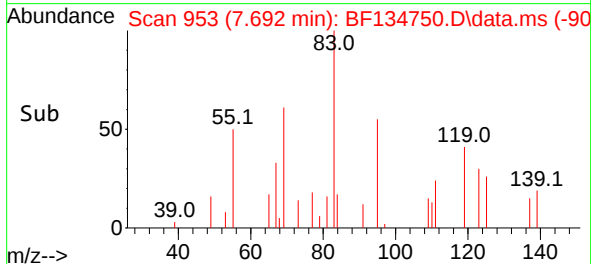
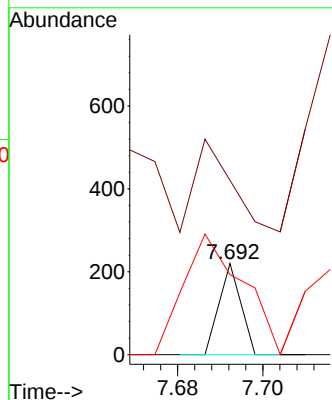
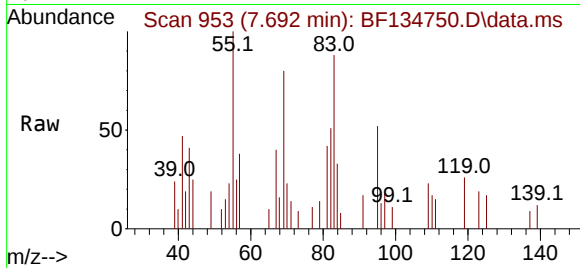




#26
2-Nitrophenol
Concen: 4.808 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

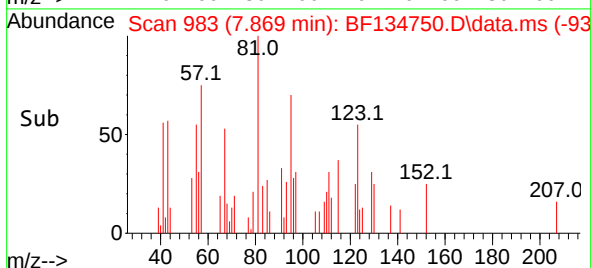
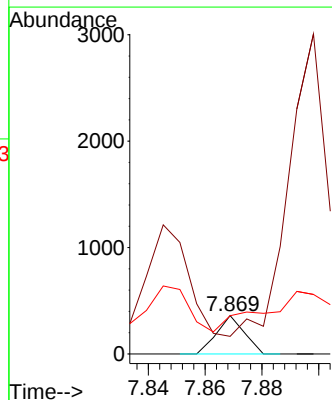
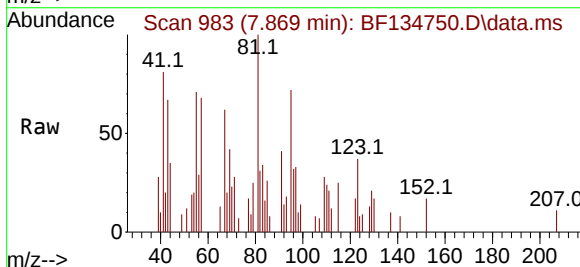
Instrument :
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ClientSampleId :
EO-01-081023DL

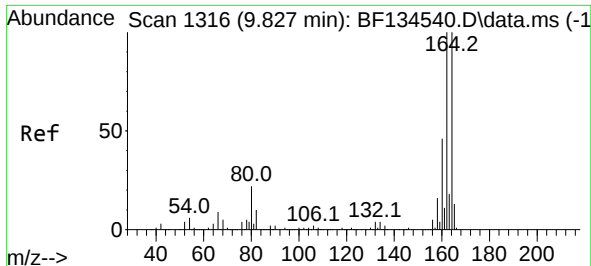
Tgt Ion:139	Resp:	78
Ion	Ratio	Lower Upper
139	100	
109	191.4	29.8 44.6#
65	87.7	45.4 68.2#



#32
Benzoic acid
Concen: 7.900 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:122	Resp:	243
Ion	Ratio	Lower Upper
122	100	
105	45.7	87.5 127.5#
77	99.7	71.4 111.4

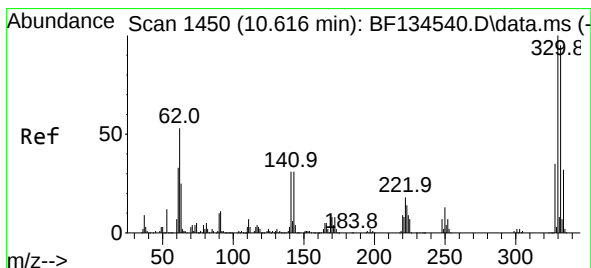
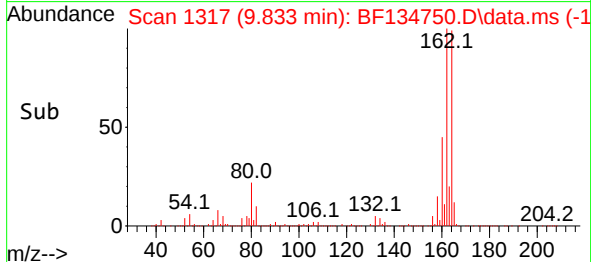
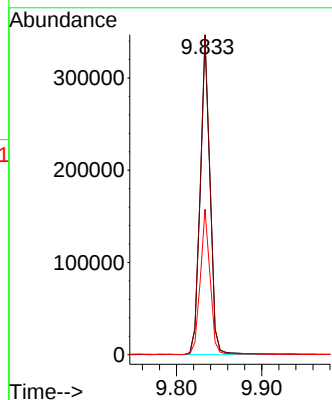
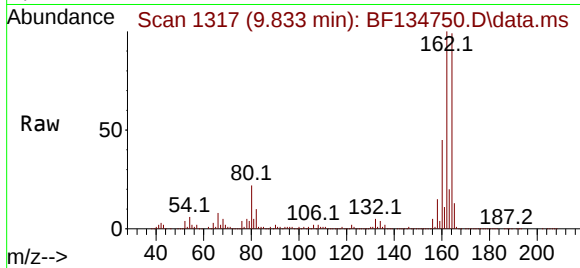




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

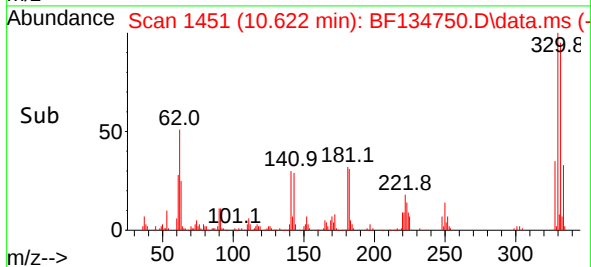
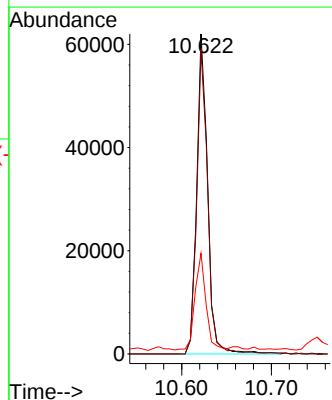
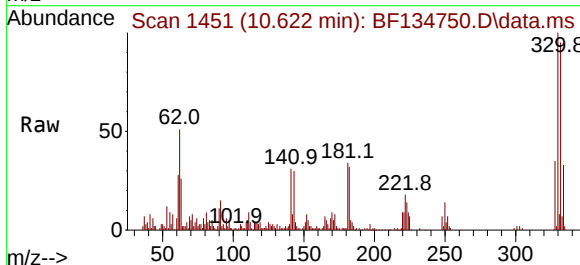
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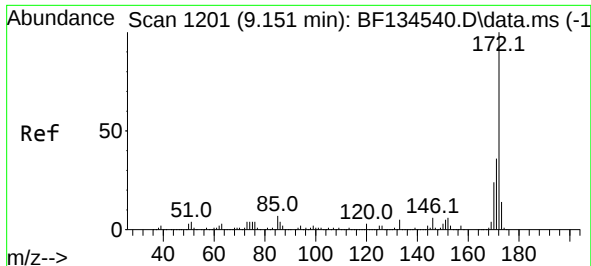
Tgt Ion:164 Resp: 274405
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 46.0 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 18.706 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:330 Resp: 52325
Ion Ratio Lower Upper
330 100
332 94.6 78.8 118.2
141 30.1 25.4 38.2

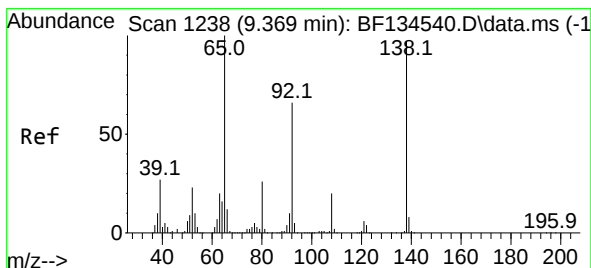
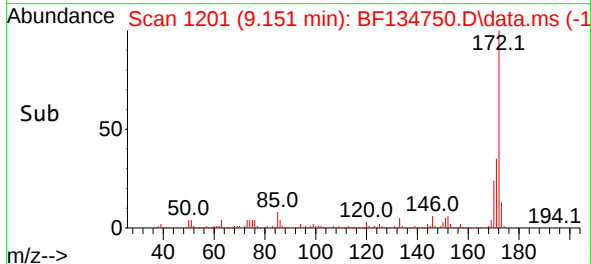
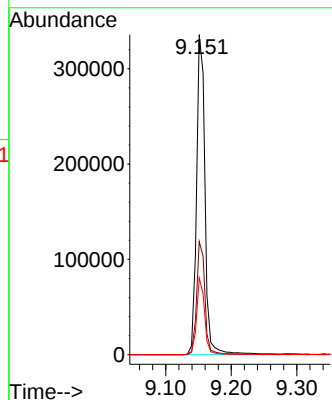
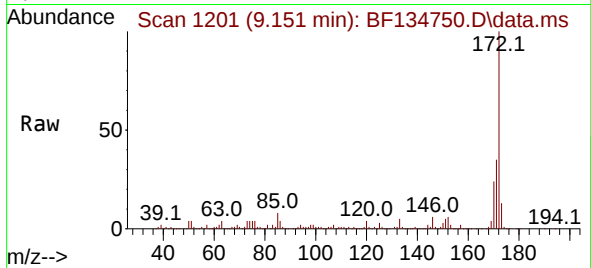




#45
2-Fluorobiphenyl
Concen: 18.342 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

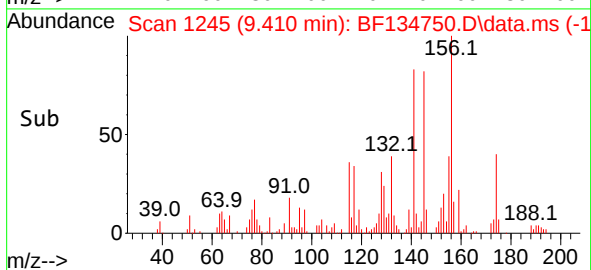
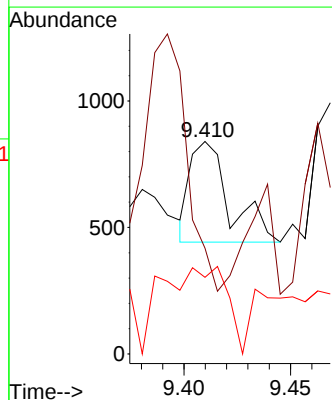
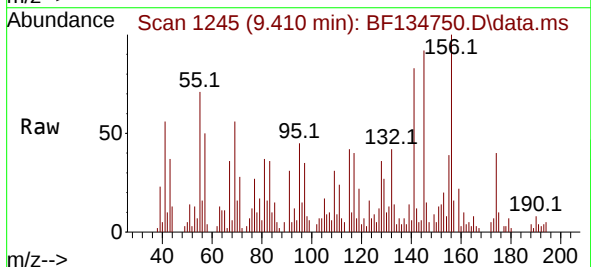
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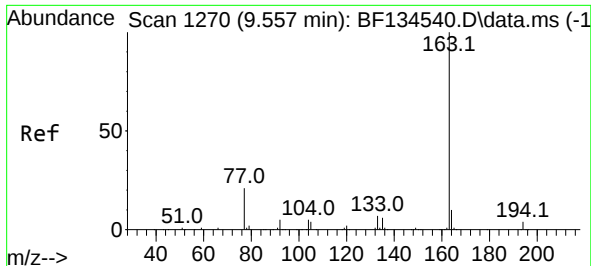
Tgt Ion:172 Resp: 302707
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.0 18.7 28.1



#48
2-Nitroaniline
Concen: 3.263 ng
RT: 9.410 min Scan# 1245
Delta R.T. 0.029 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion: 65 Resp: 516
Ion Ratio Lower Upper
65 100
92 49.8 50.7 76.1#
138 36.1 78.2 117.4#

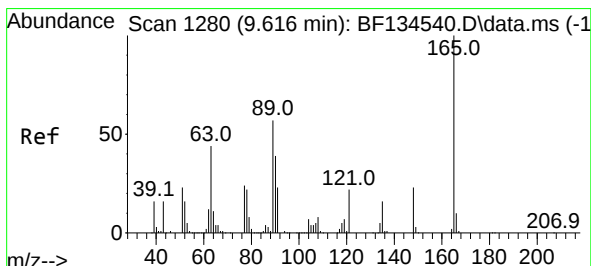
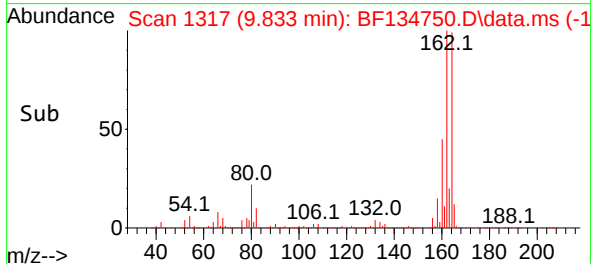
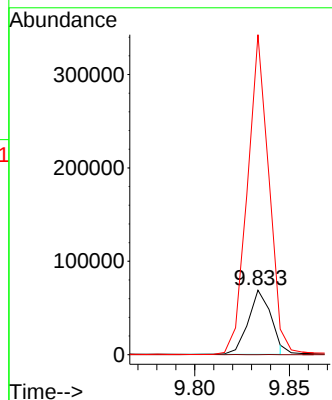
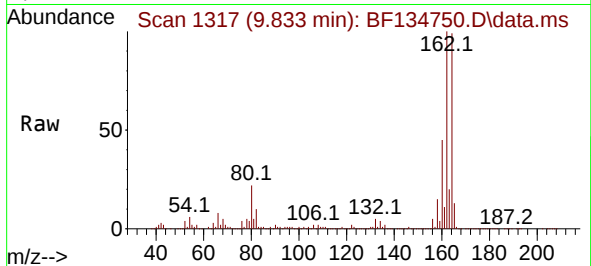




#50
Dimethylphthalate
Concen: 3.076 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

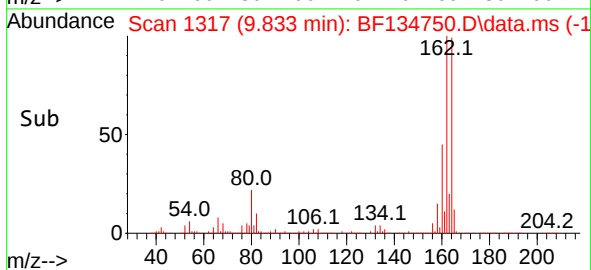
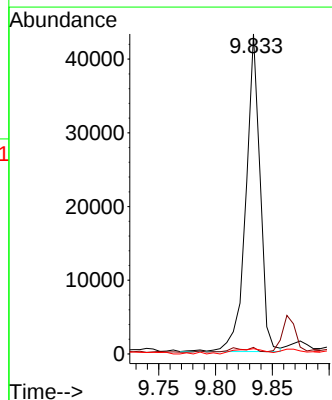
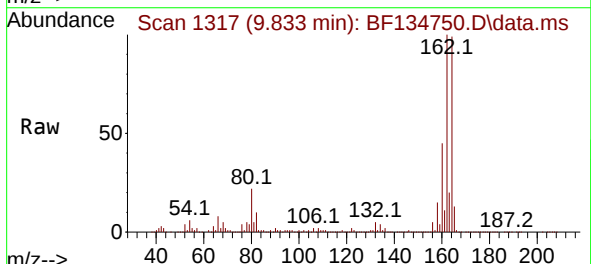
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

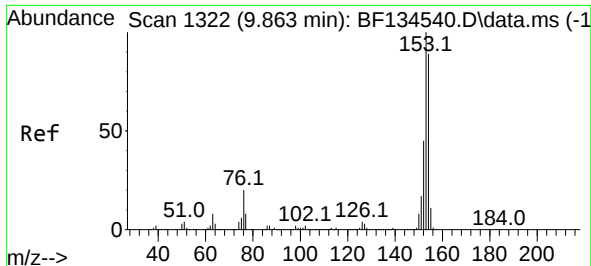
Tgt Ion:163 Resp: 57529
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 495.6 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.713 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:165 Resp: 37259
Ion Ratio Lower Upper
165 100
63 2.0 57.8 86.6#
89 1.6 51.8 77.8#

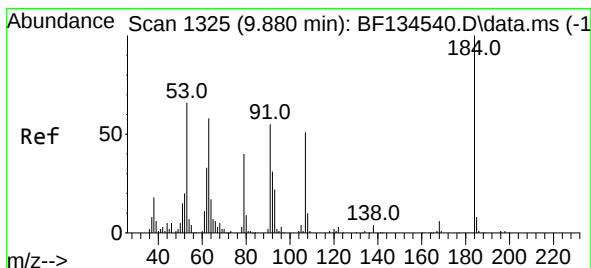
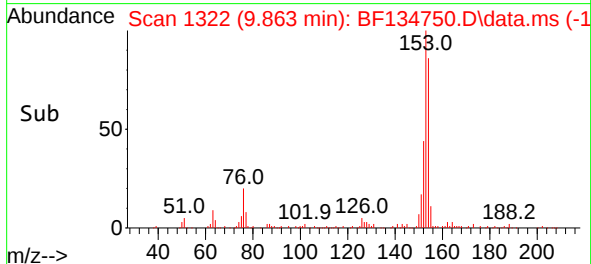
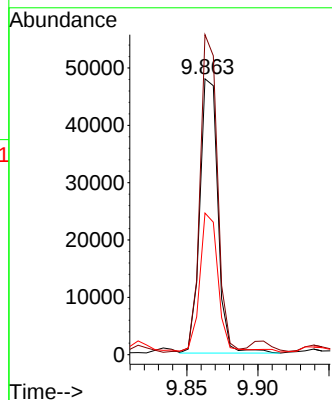
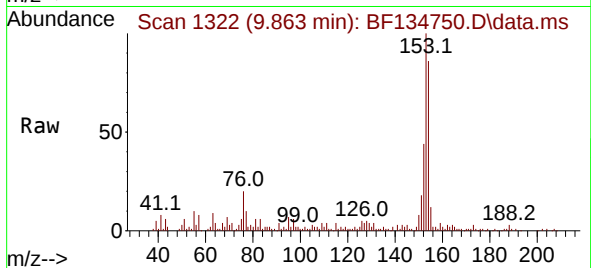




#52
Acenaphthene
Concen: 2.604 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

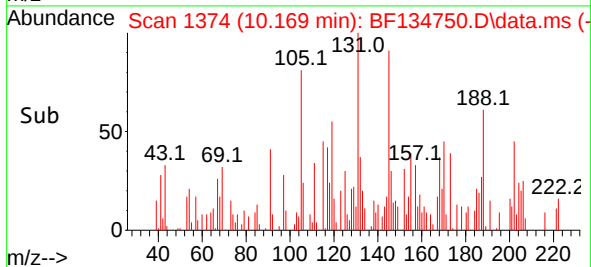
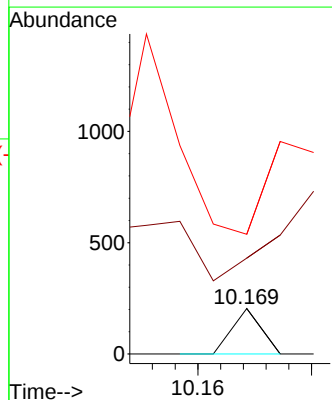
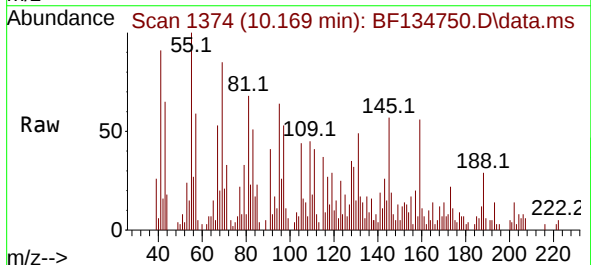
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

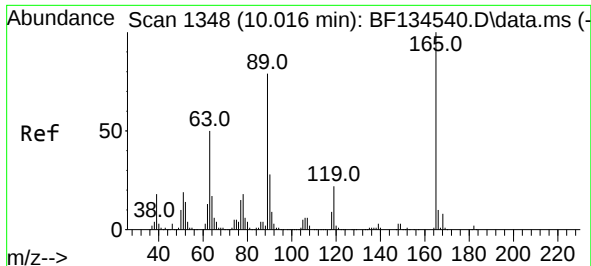
Tgt Ion:154 Resp: 42413
Ion Ratio Lower Upper
154 100
153 116.0 90.0 135.0
152 51.3 42.4 63.6



#54
2,4-Dinitrophenol
Concen: 6.843 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.271 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:184 Resp: 72
Ion Ratio Lower Upper
184 100
63 211.3 57.1 85.7#
154 263.7 59.1 88.7#

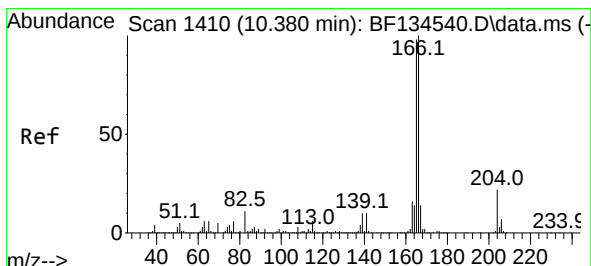
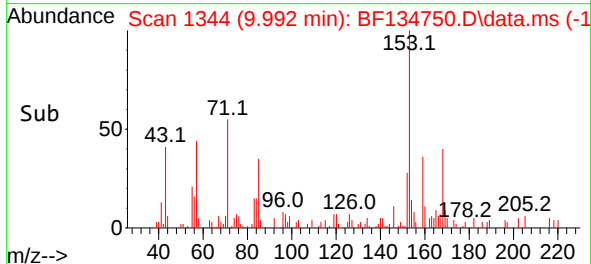
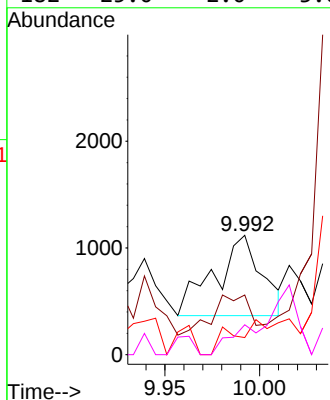
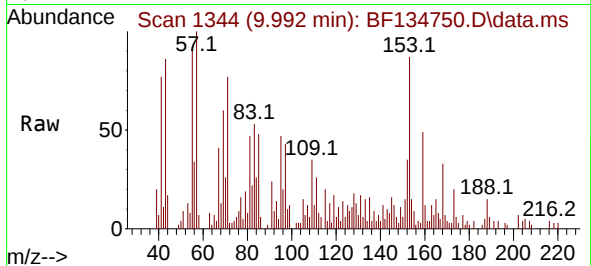




#57
2,4-Dinitrotoluene
Concen: 3.115 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

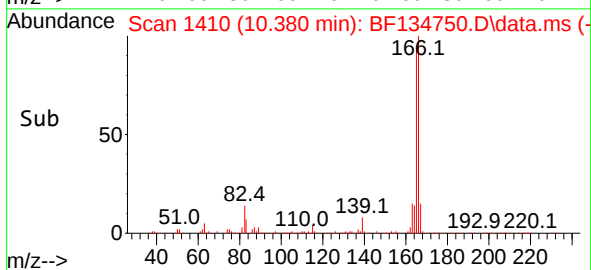
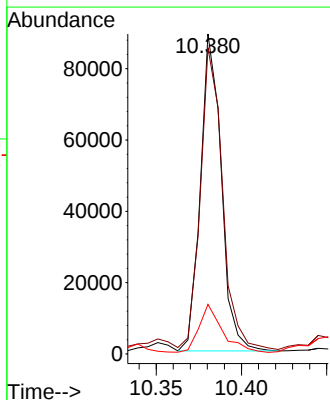
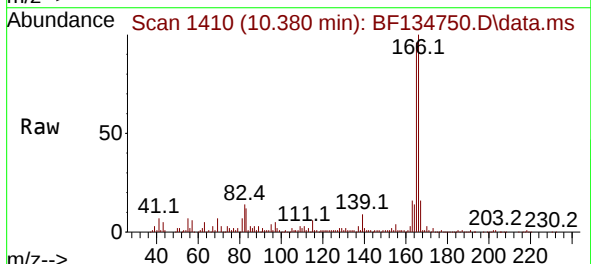
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

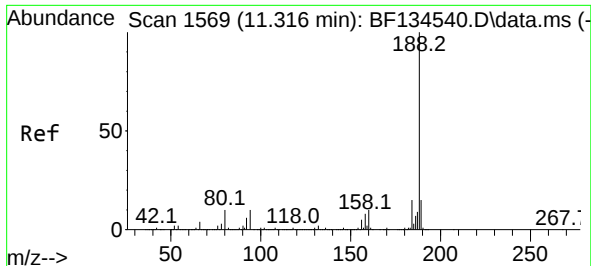
Tgt Ion:165 Resp: 1302
Ion Ratio Lower Upper
165 100
63 50.1 48.9 73.3
89 14.4 61.7 92.5#
182 25.0 2.0 3.0#



#58
Fluorene
Concen: 4.482 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:166 Resp: 75695
Ion Ratio Lower Upper
166 100
165 95.7 74.5 111.7
167 15.5 10.6 16.0

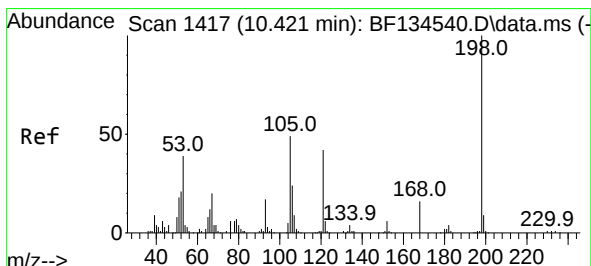
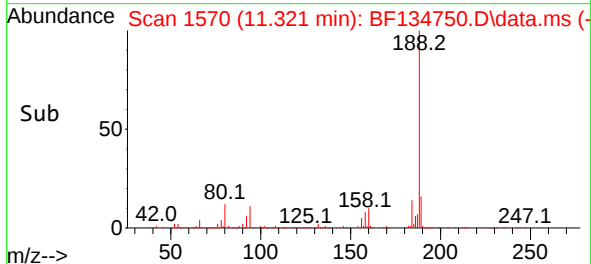
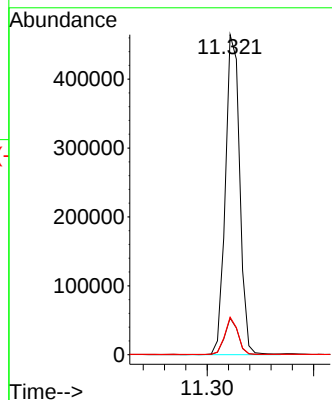
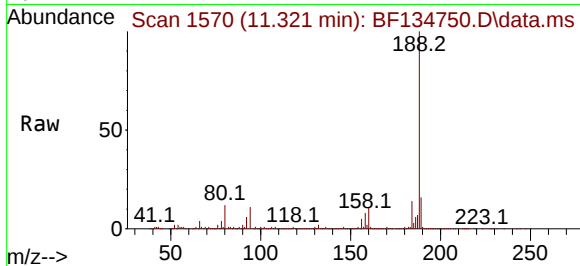




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

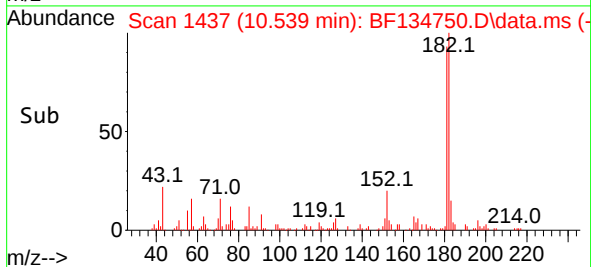
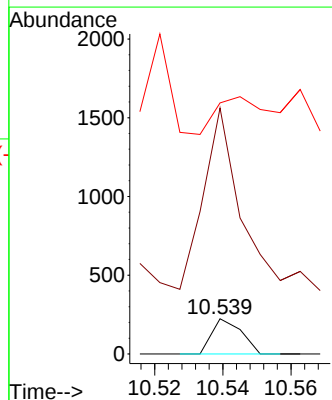
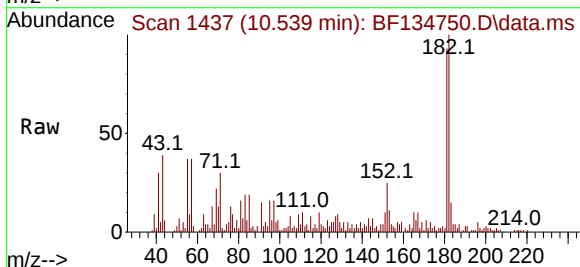
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

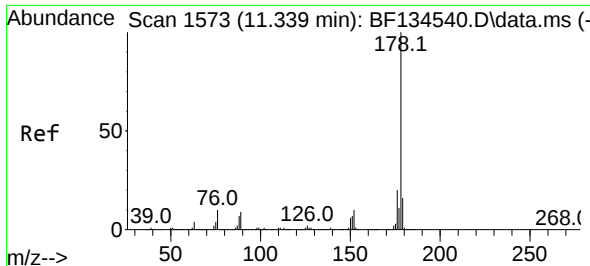
Tgt Ion:188 Resp: 433162
Ion Ratio Lower Upper
188 100
94 11.4 5.1 7.7#
80 11.8 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.762 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.100 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:198 Resp: 134
Ion Ratio Lower Upper
198 100
51 697.3 38.6 78.6#
105 711.6 27.9 67.9#

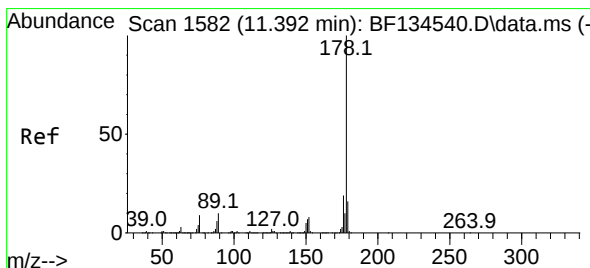
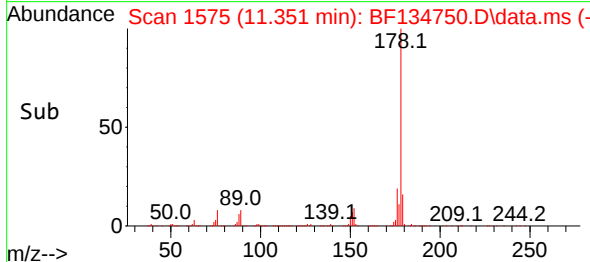
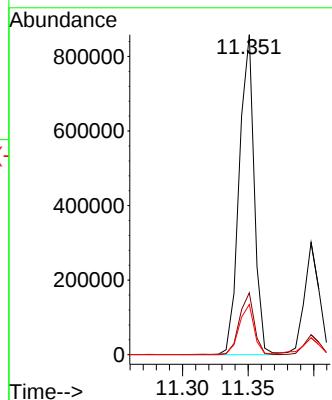
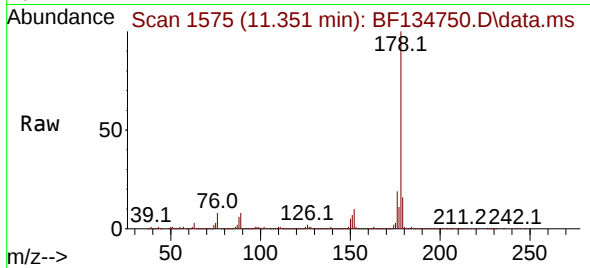




#71
Phenanthrene
Concen: 29.789 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

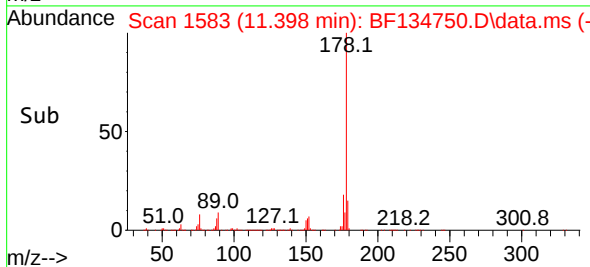
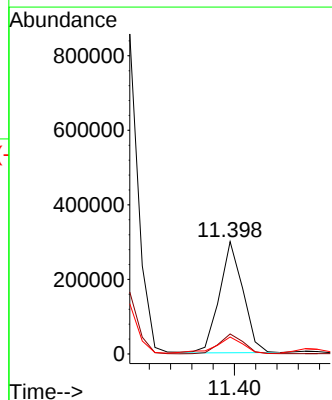
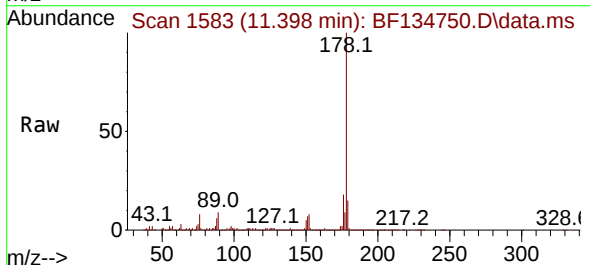
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

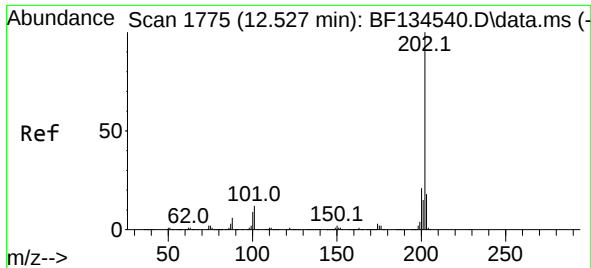
Tgt Ion:178 Resp: 685383
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.7 12.7 19.1



#72
Anthracene
Concen: 9.793 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:178 Resp: 230145
Ion Ratio Lower Upper
178 100
176 17.9 14.6 21.8
179 15.1 12.3 18.5

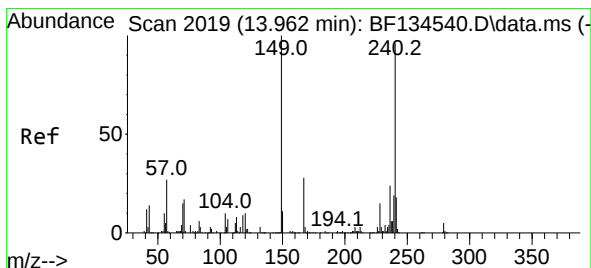
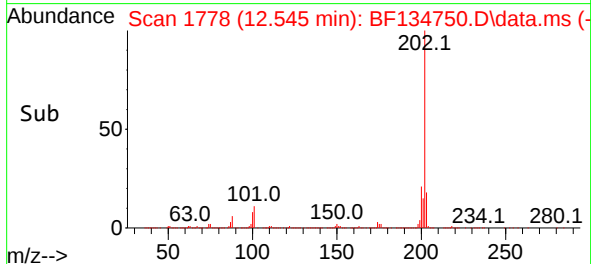
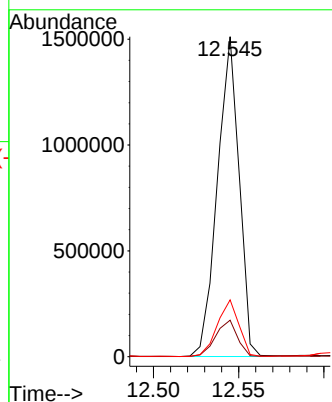
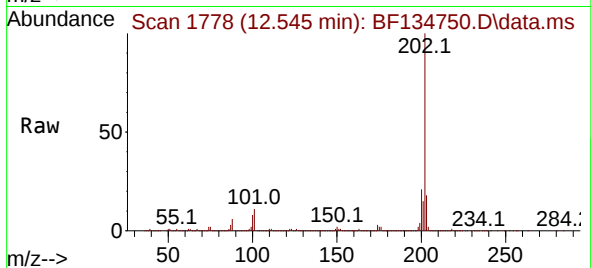




#75
Fluoranthene
Concen: 55.084 ng
RT: 12.545 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

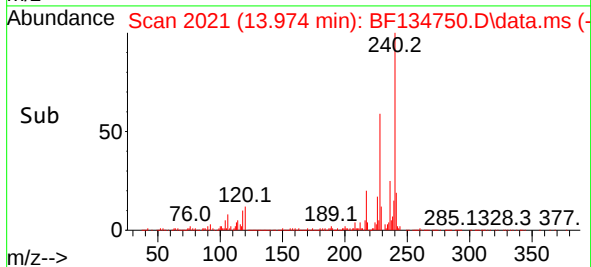
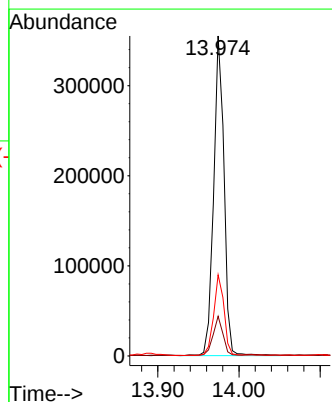
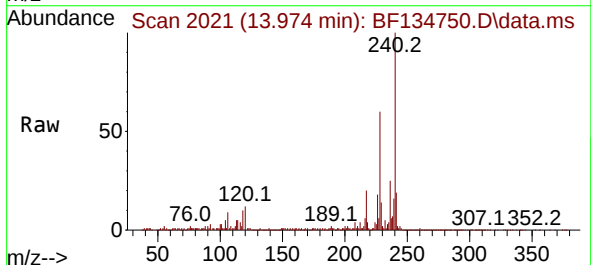
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

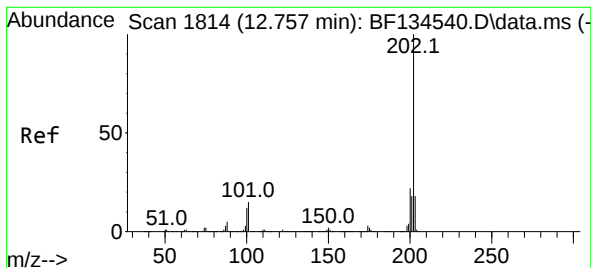
Tgt Ion:202 Resp: 1338721
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:240 Resp: 314245
Ion Ratio Lower Upper
240 100
120 12.4 6.6 10.0#
236 25.3 20.2 30.2





#78

Pyrene

Concen: 42.979 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

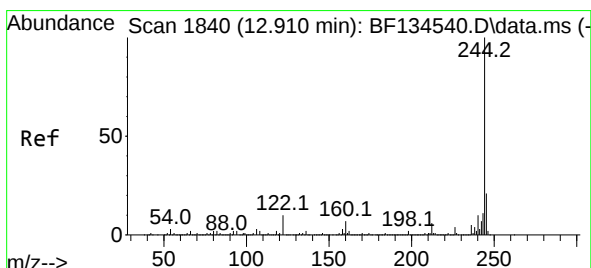
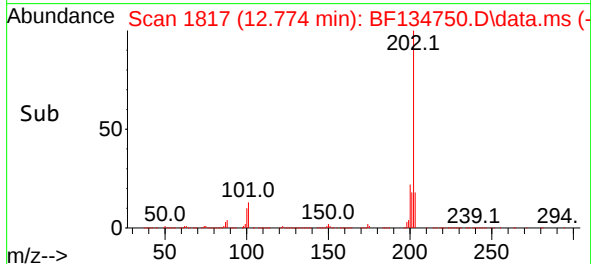
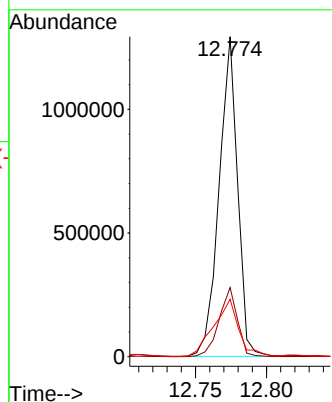
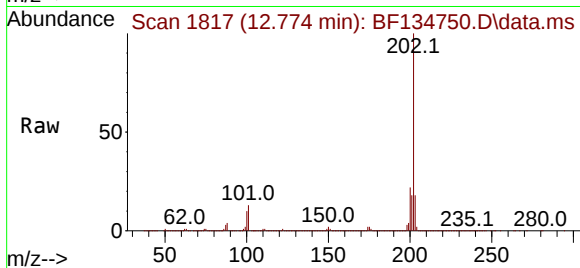
Tgt Ion:202 Resp: 1168701

Ion Ratio Lower Upper

202 100

200 21.6 15.8 23.8

203 18.0 13.5 20.3



#79

Terphenyl-d14

Concen: 16.454 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

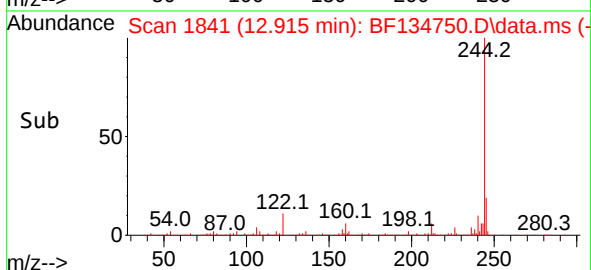
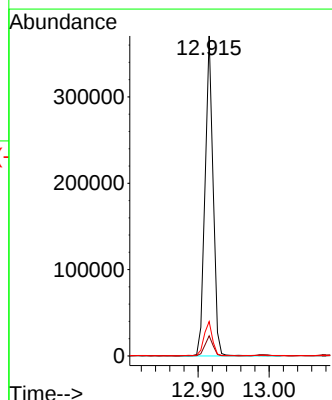
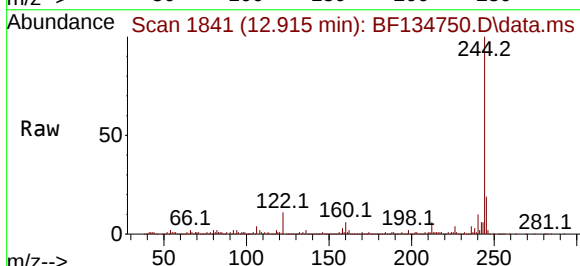
Tgt Ion:244 Resp: 293310

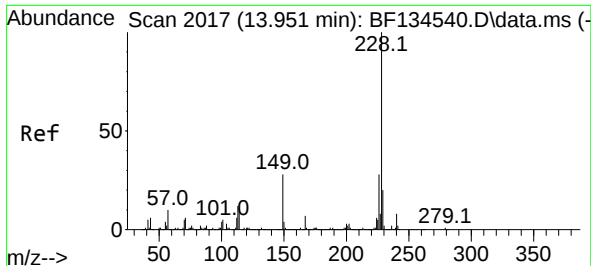
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 10.8 8.0 12.0

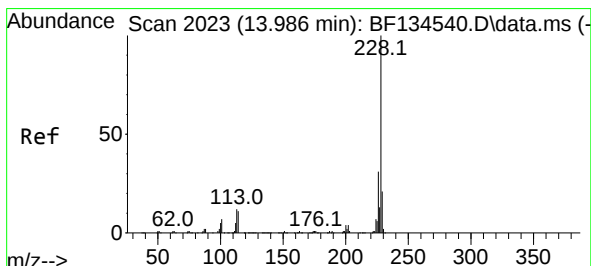
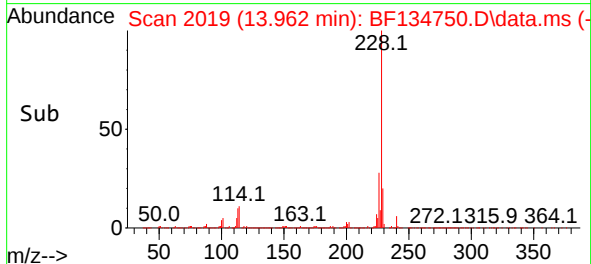
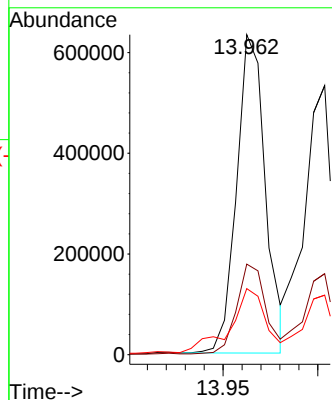
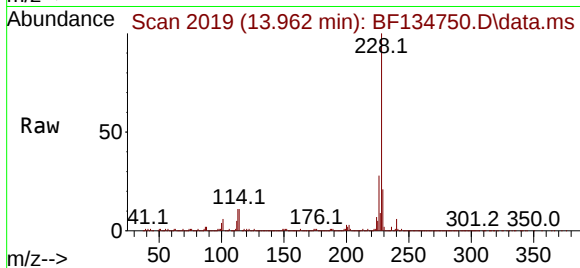




#81
Benzo(a)anthracene
Concen: 29.666 ng
RT: 13.962 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

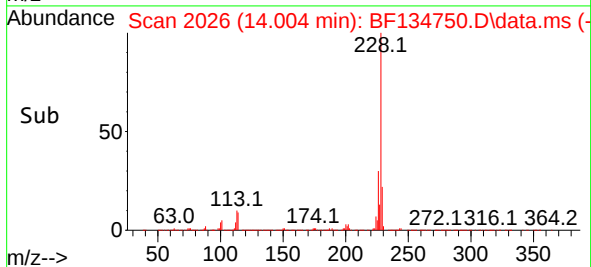
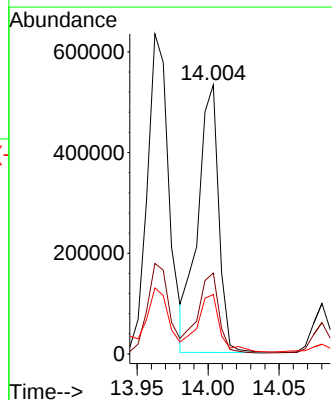
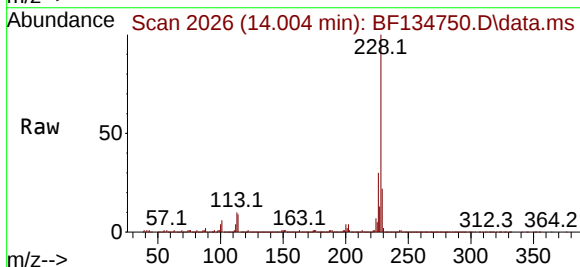
Instrument :
BNA_F
ClientSampleId :
EO-01-081023DL

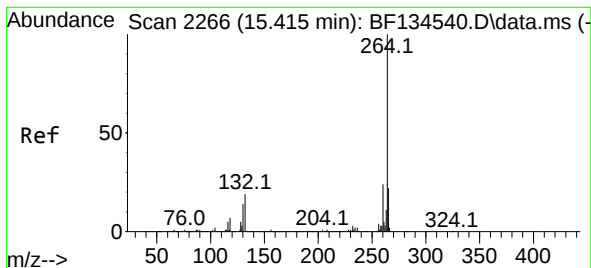
Tgt Ion:228 Resp: 666601
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 20.6 15.8 23.6



#83
Chrysene
Concen: 25.049 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF134750.D
Acq: 14 Aug 2023 10:00

Tgt Ion:228 Resp: 548357
Ion Ratio Lower Upper
228 100
226 30.1 24.5 36.7
229 22.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

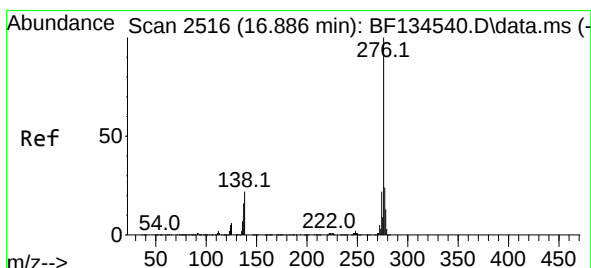
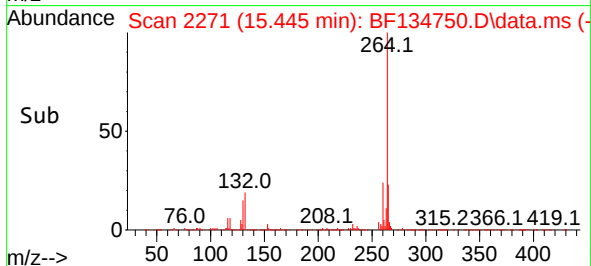
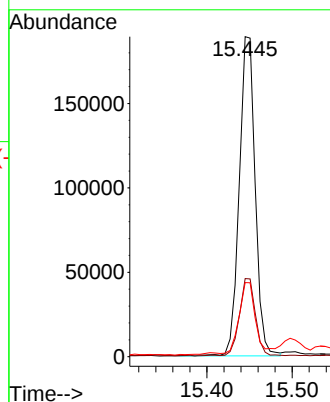
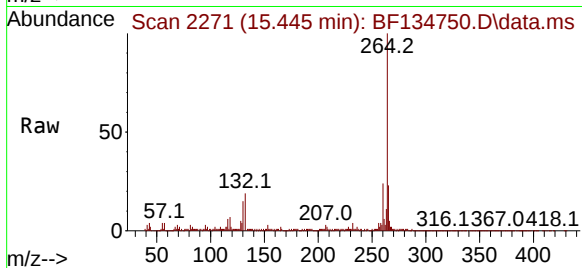
Tgt Ion:264 Resp: 246319

Ion Ratio Lower Upper

264 100

260 24.4 18.4 27.6

265 23.2 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 15.845 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.012 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

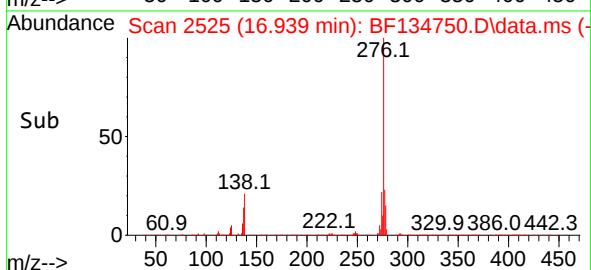
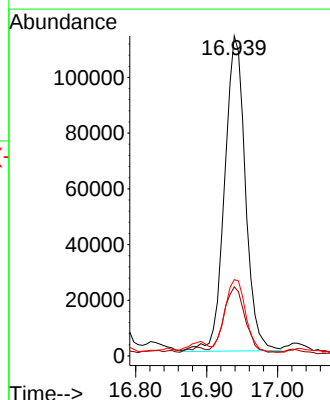
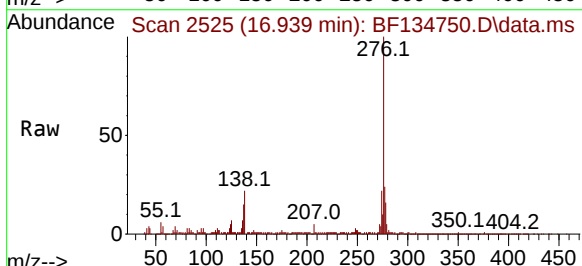
Tgt Ion:276 Resp: 229537

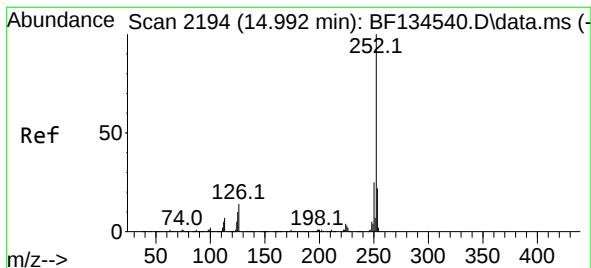
Ion Ratio Lower Upper

276 100

138 21.1 14.2 21.4

277 23.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 52.398 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

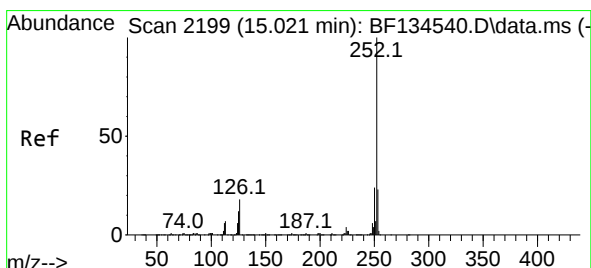
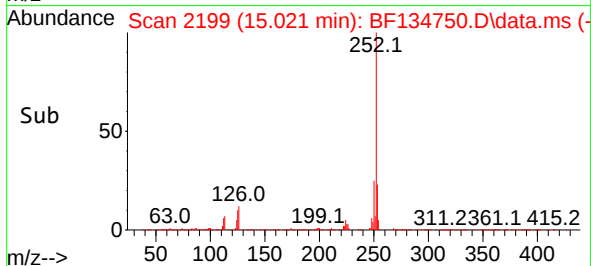
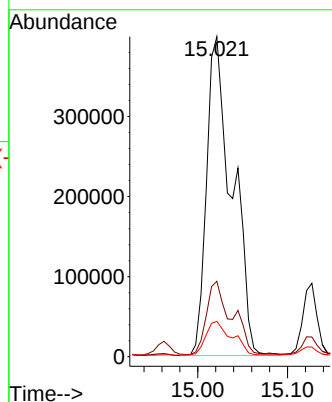
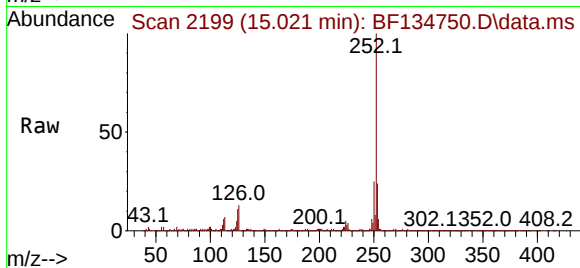
Tgt Ion:252 Resp: 787166

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 11.0 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 52.600 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

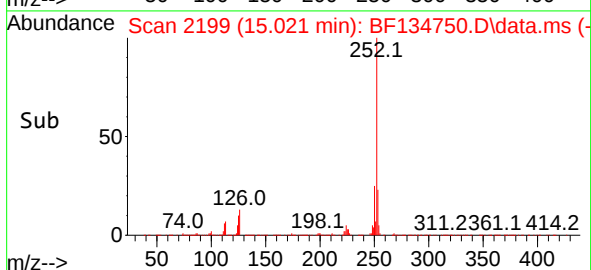
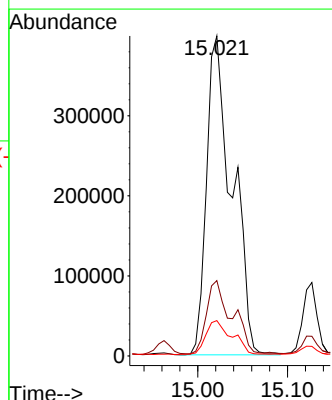
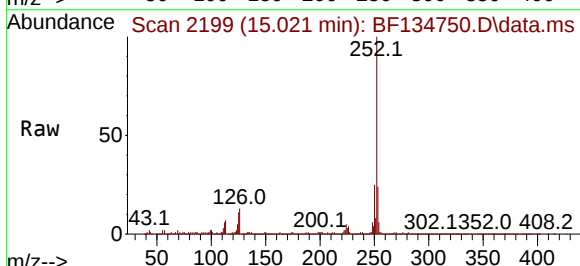
Tgt Ion:252 Resp: 787166

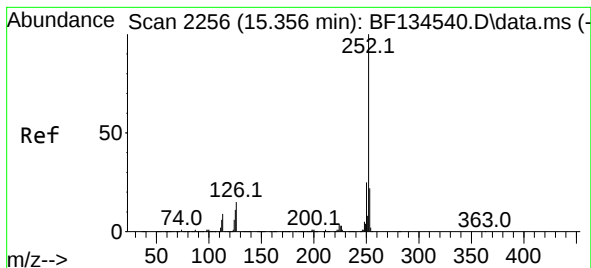
Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 11.0 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 28.894 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL

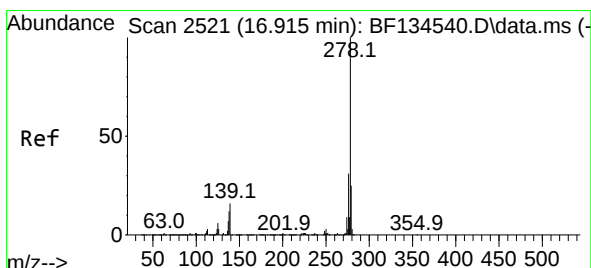
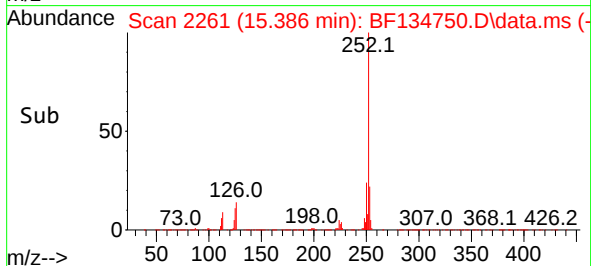
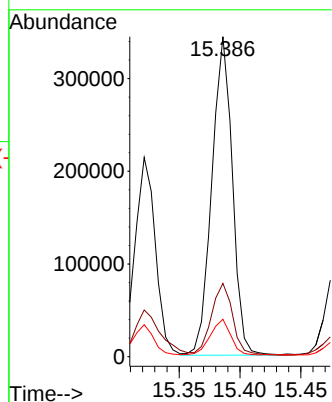
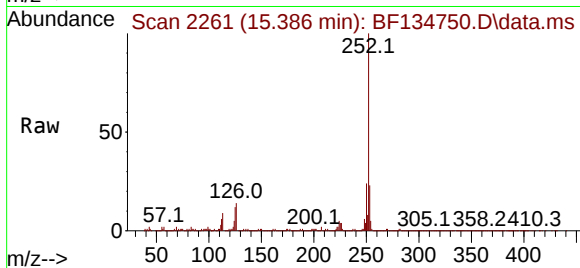
Tgt Ion:252 Resp: 404711

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.7 6.2 9.4#



#91

Dibenzo(a,h)anthracene

Concen: 4.584 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.000 min

Lab File: BF134750.D

Acq: 14 Aug 2023 10:00

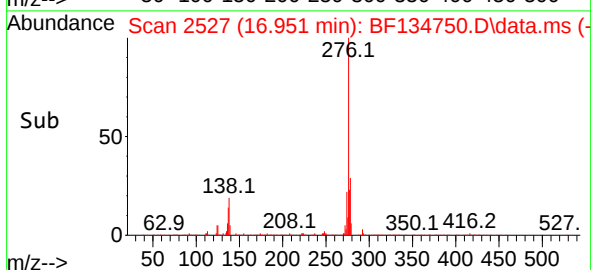
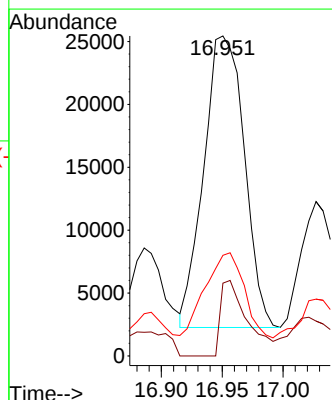
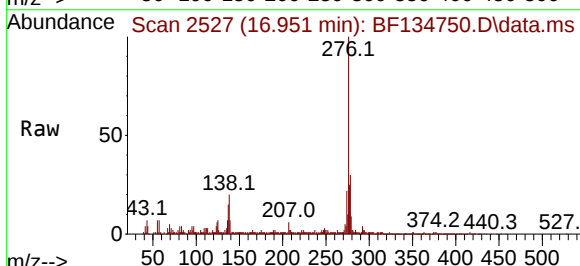
Tgt Ion:278 Resp: 53671

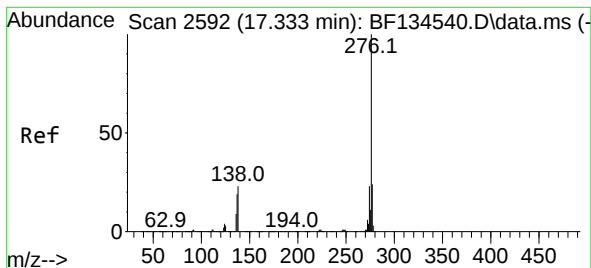
Ion Ratio Lower Upper

278 100

139 22.7 10.0 15.0#

279 31.4 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 16.957 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF134750.D

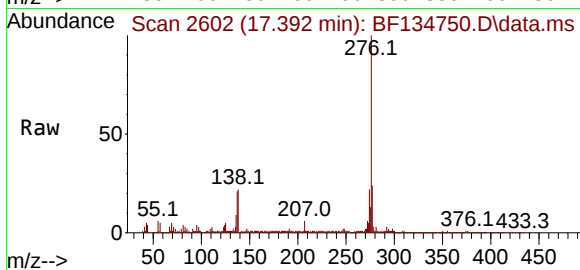
Acq: 14 Aug 2023 10:00

Instrument :

BNA_F

ClientSampleId :

EO-01-081023DL



Tgt Ion:276 Resp: 202504

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 22.4 12.2 18.2#

