

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134879.D
 Acq On : 21 Aug 2023 21:26
 Operator : CG\JU
 Sample : 04087-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-081823

Quant Time: Aug 22 03:24:46 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

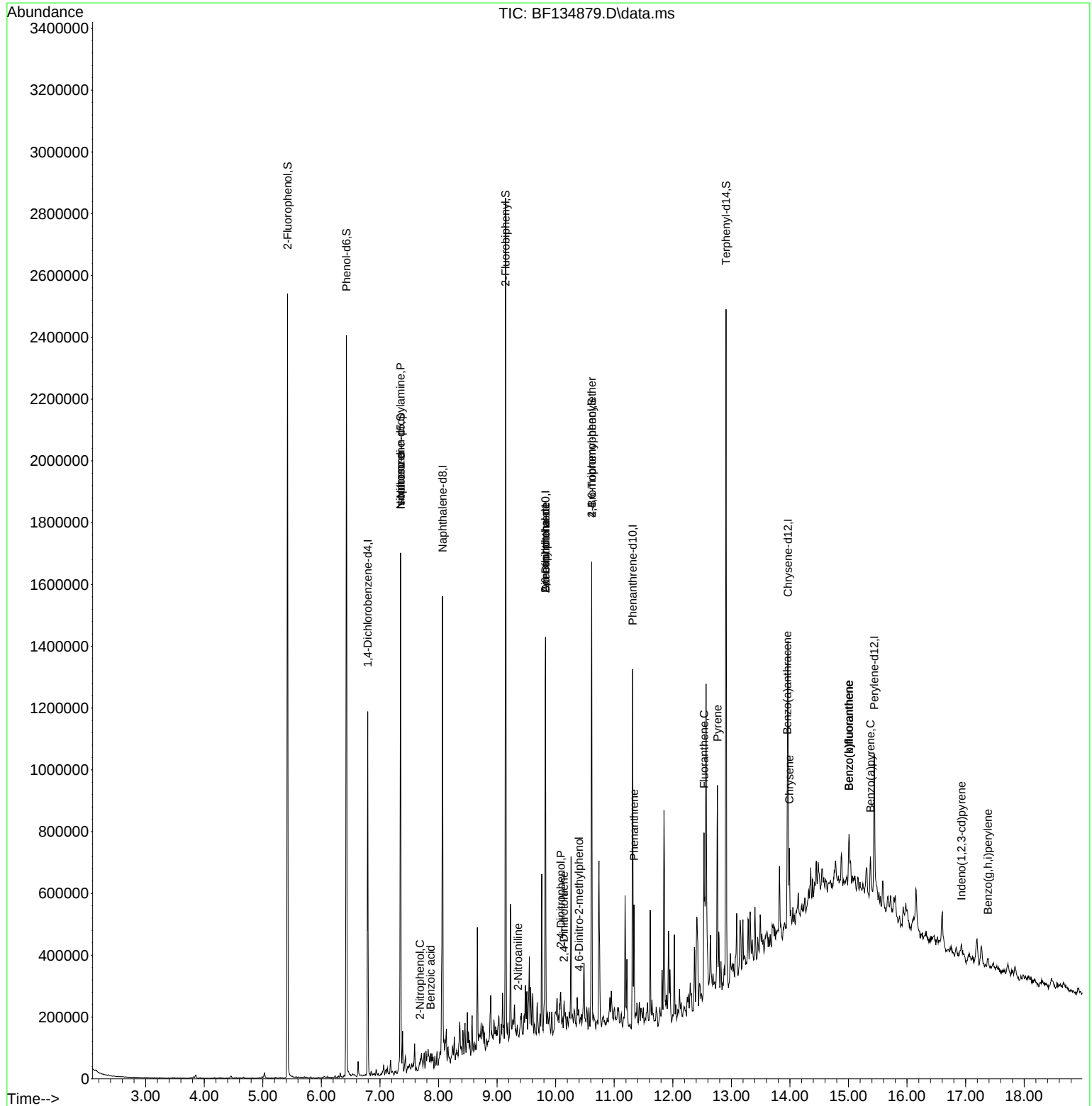
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	154865	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	582693	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	248068	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	401223	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	293494	20.000	ng	0.00
86) Perylene-d12	15.439	264	225775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	668707	65.638	ng	0.00
7) Phenol-d6	6.428	99	829818	63.719	ng	-0.01
23) Nitrobenzene-d5	7.351	82	494563	53.041	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	175650	69.459	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	812154	54.435	ng	-0.02
79) Terphenyl-d14	12.910	244	751362	45.130	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.351	77	198	Below Cal		Qvalue # 29
19) n-Nitroso-di-n-propyla...	7.351	70	64597	8.285	ng	# 73
25) Isophorone	7.351	82	491702	24.178	ng	# 65
26) 2-Nitrophenol	7.681	139	143	4.822	ng	# 1
32) Benzoic acid	7.863	122	257	7.903	ng	# 60
48) 2-Nitroaniline	9.357	65	443	3.258	ng	# 59
50) Dimethylphthalate	9.828	163	52992	3.134	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	35323	12.162	ng	# 18
54) 2,4-Dinitrophenol	10.086	184	141	6.917	ng	# 35
57) 2,4-Dinitrotoluene	10.139	165	1136	3.106	ng	# 73
65) 4,6-Dinitro-2-methylph...	10.398	198	154	8.777	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	11280	2.568	ng	# 1
71) Phenanthrene	11.339	178	131351	6.163	ng	98
75) Fluoranthene	12.533	202	192911	8.569	ng	98
78) Pyrene	12.763	202	276057	10.870	ng	98
81) Benzo(a)anthracene	13.957	228	93853	4.472	ng	# 89
83) Chrysene	13.992	228	98933	4.839	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.927	276	27550	2.075	ng	# 96
88) Benzo(b)fluoranthene	15.010	252	94824	6.886	ng	# 77
89) Benzo(k)fluoranthene	15.010	252	94824	6.913	ng	# 79
90) Benzo(a)pyrene	15.374	252	56170	4.375	ng	# 86
92) Benzo(g,h,i)perylene	17.380	276	30342	2.772	ng	# 85

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

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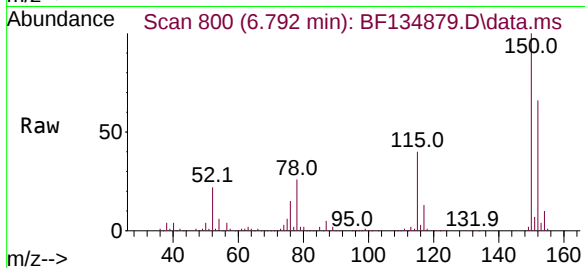
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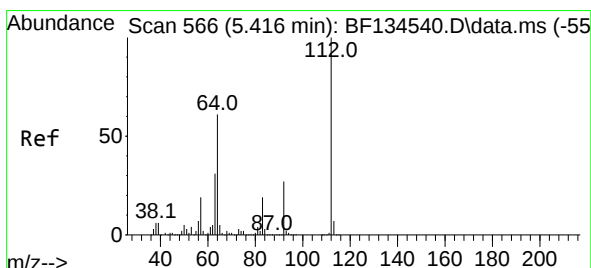
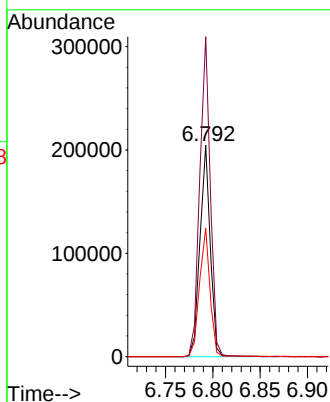
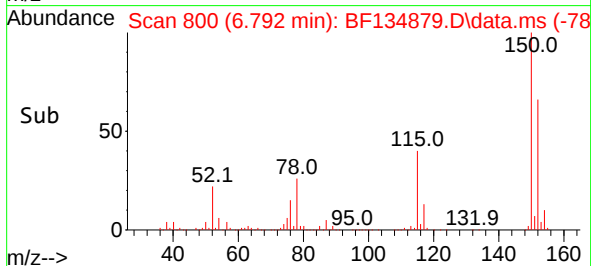


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Instrument :
BNA_F
ClientSampleId :
EO-03-081823

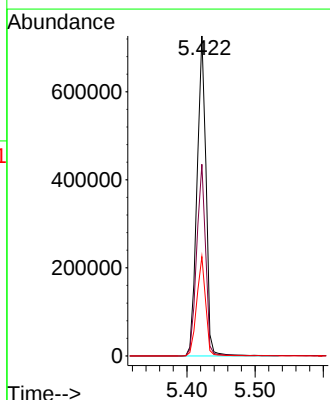
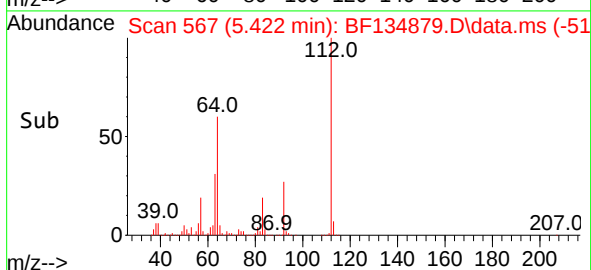
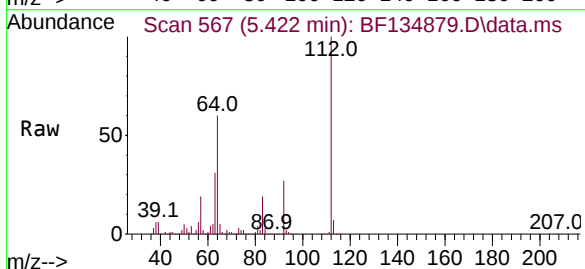


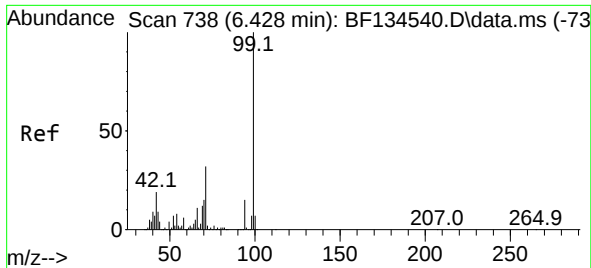
Tgt Ion:152 Resp: 154865
Ion Ratio Lower Upper
152 100
150 151.5 128.3 192.5
115 60.9 52.4 78.6



#5
2-Fluorophenol
Concen: 65.638 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:112 Resp: 668707
Ion Ratio Lower Upper
112 100
64 59.9 44.9 67.3
63 31.0 25.4 38.0

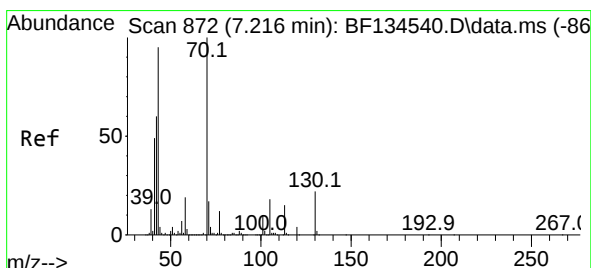
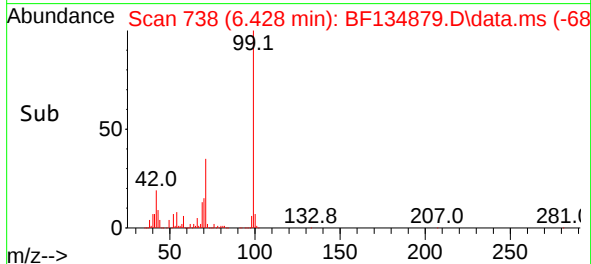
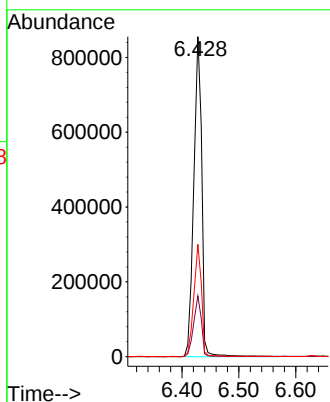
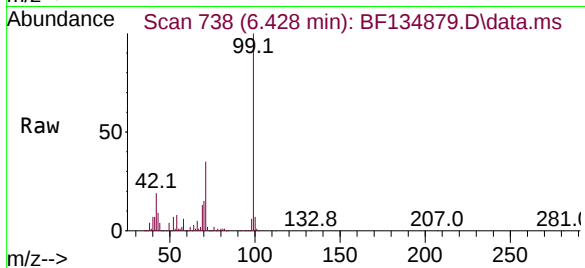




#7
Phenol-d6
Concen: 63.719 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

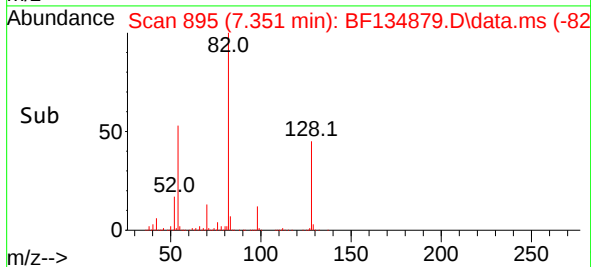
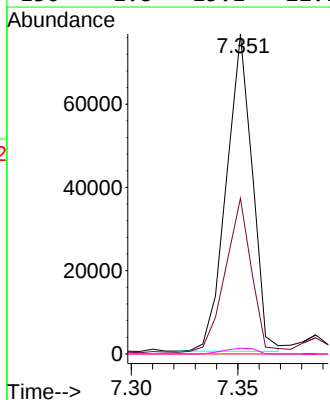
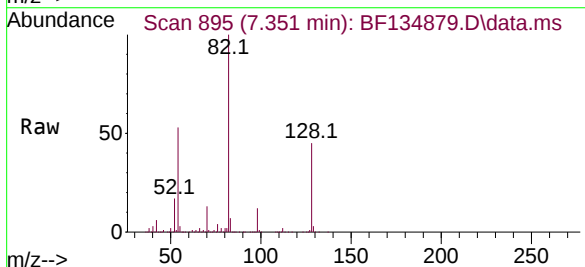
Instrument :
BNA_F
ClientSampleId :
EO-03-081823

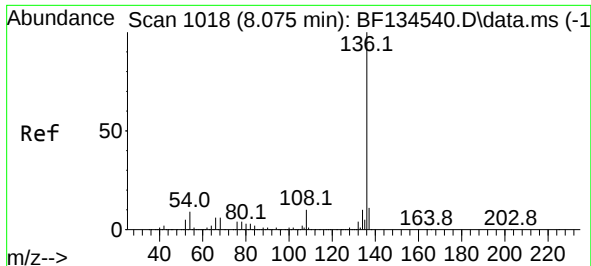
Tgt Ion: 99 Resp: 829818
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 35.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.285 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

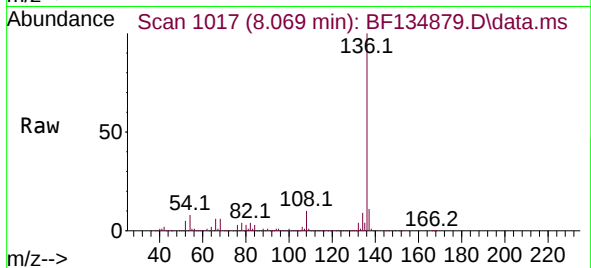
Tgt Ion: 70 Resp: 64597
Ion Ratio Lower Upper
70 100
42 48.7 54.7 82.1#
101 0.0 8.2 12.2#
130 1.8 15.1 22.7#



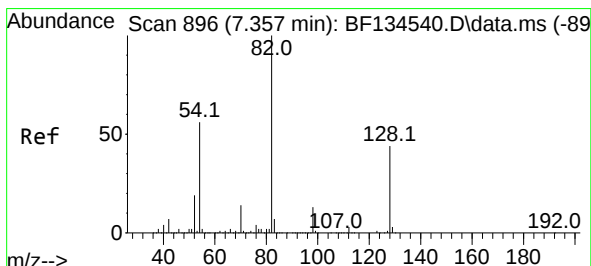
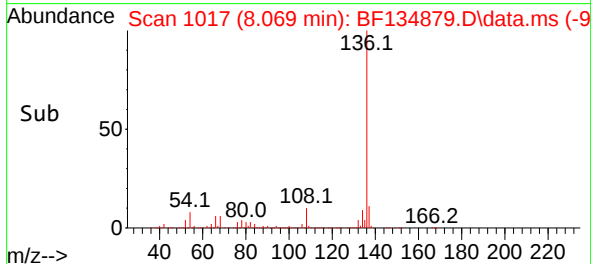
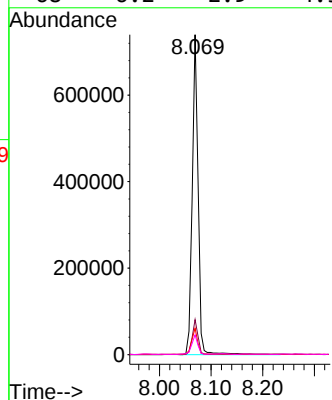


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Instrument :
BNA_F
ClientSampleId :
EO-03-081823

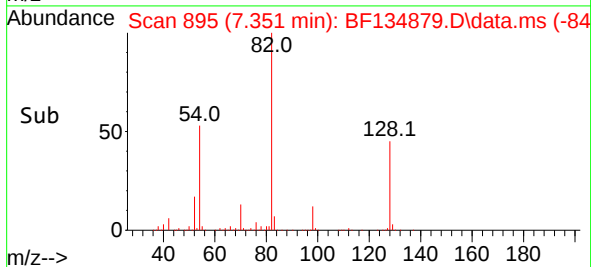
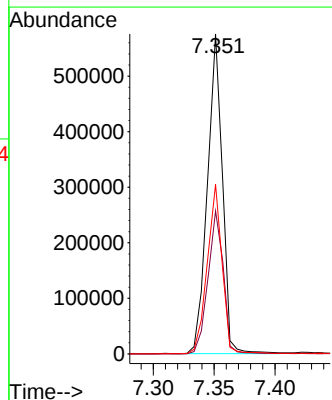
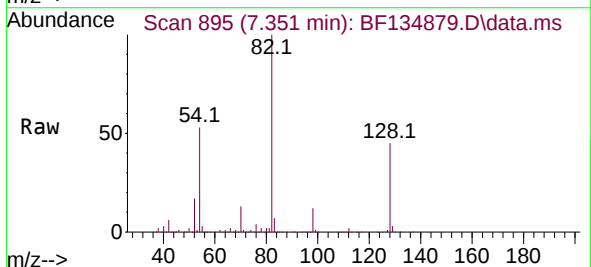


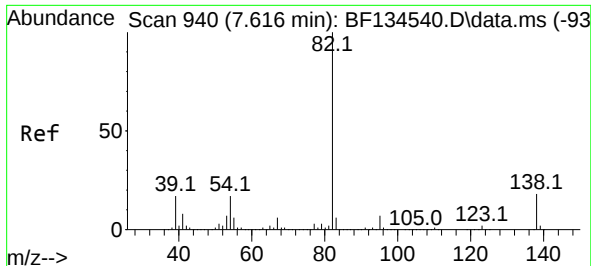
Tgt Ion:136 Resp: 582693
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.2 5.2 7.8#
68 6.2 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 53.041 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion: 82 Resp: 494563
Ion Ratio Lower Upper
82 100
128 44.7 34.3 51.5
54 53.0 43.8 65.6

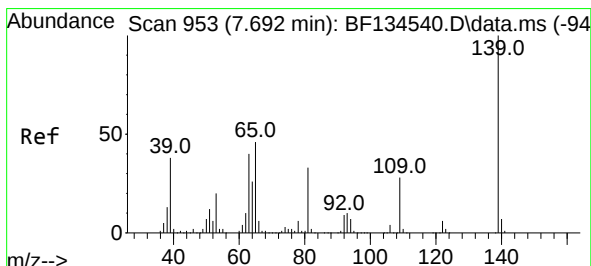
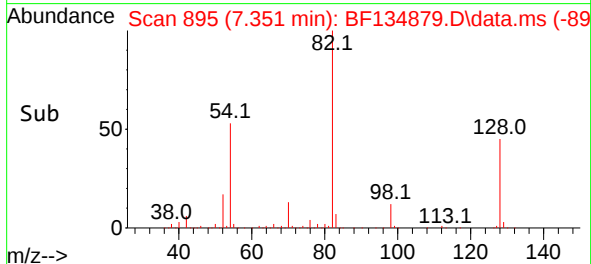
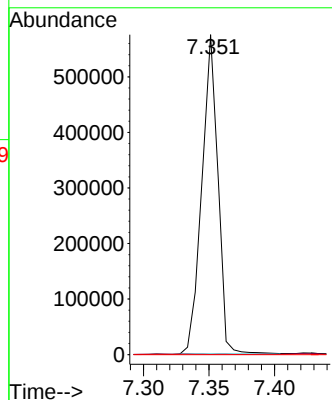
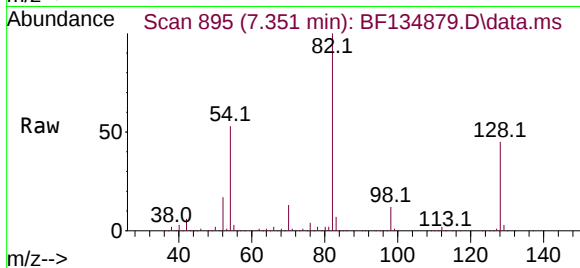




#25
Isophorone
Concen: 24.178 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

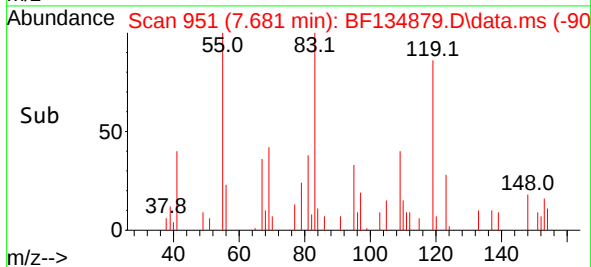
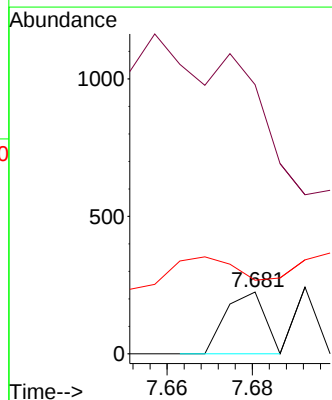
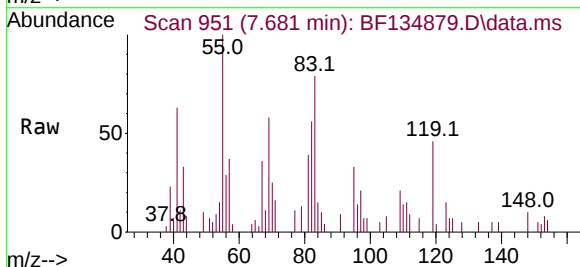
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ClientSampleId :
EO-03-081823

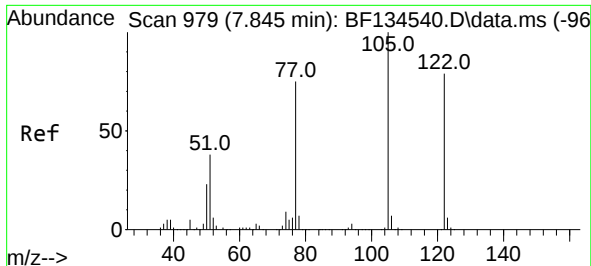
Tgt Ion: 82 Resp: 491702
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.822 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:139 Resp: 143
Ion Ratio Lower Upper
139 100
109 435.1 29.8 44.6#
65 119.1 45.4 68.2#

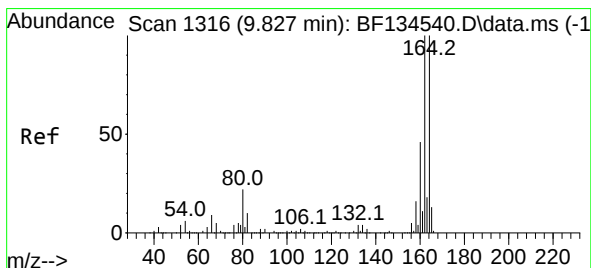
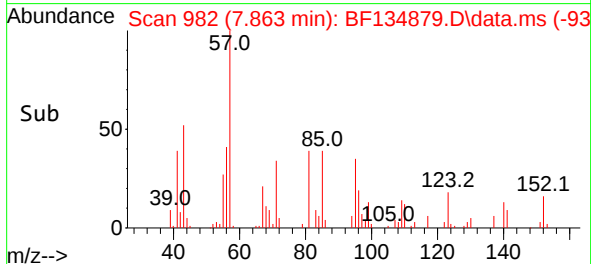
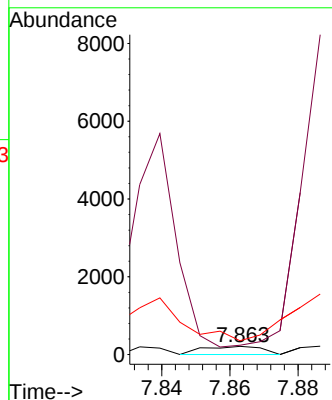
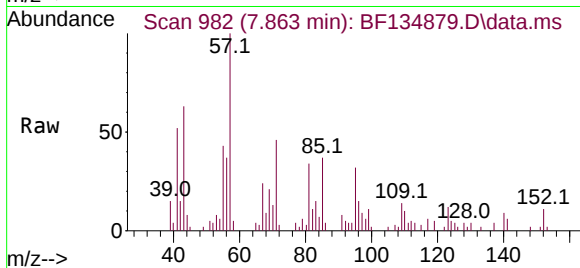




#32
Benzoic acid
Concen: 7.903 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.000 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

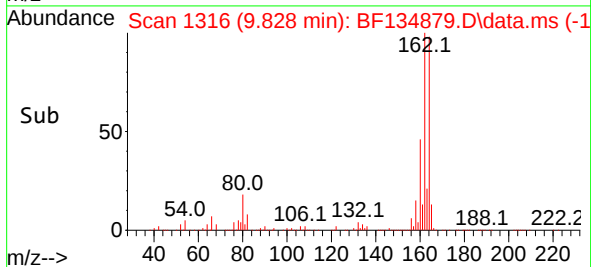
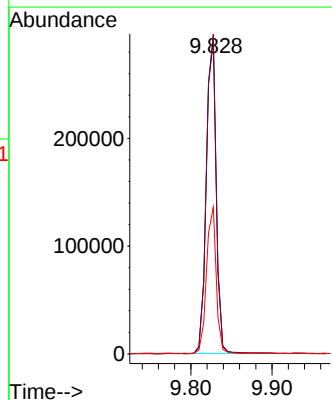
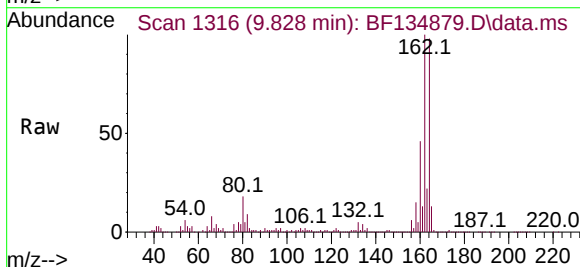
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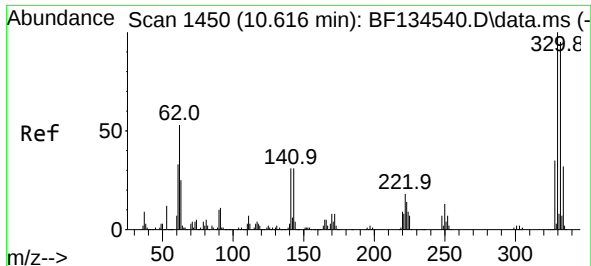
Tgt Ion:122 Resp: 257
Ion Ratio Lower Upper
122 100
105 114.2 87.5 127.5
77 167.0 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:164 Resp: 248068
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 46.7 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 69.459 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134879.D

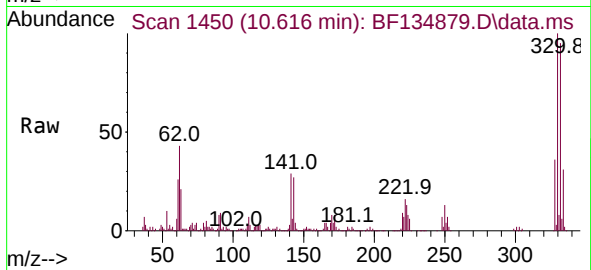
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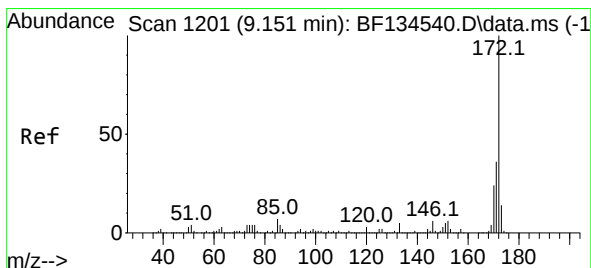
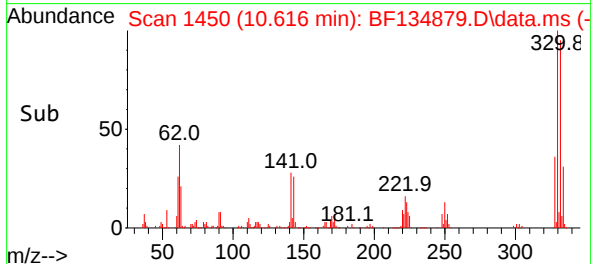
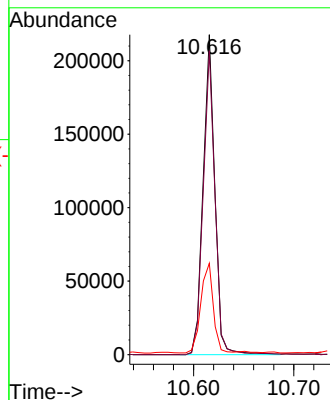
Tgt Ion:330 Resp: 175650

Ion Ratio Lower Upper

330 100

332 95.9 78.8 118.2

141 29.8 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 54.435 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

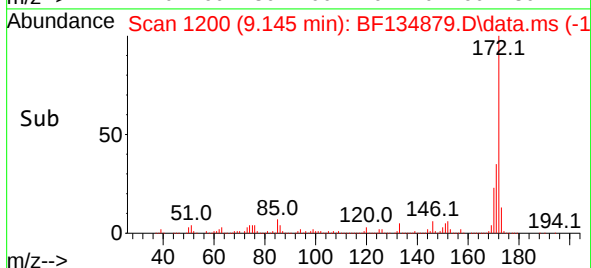
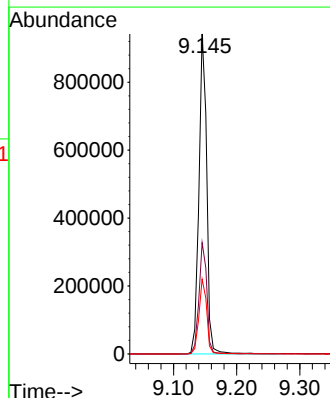
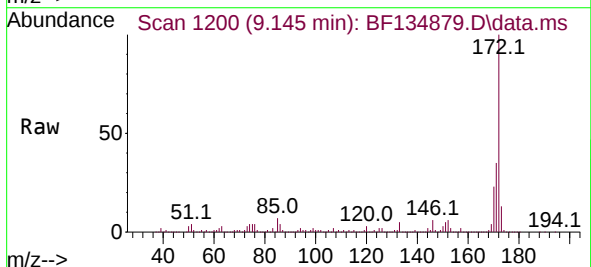
Tgt Ion:172 Resp: 812154

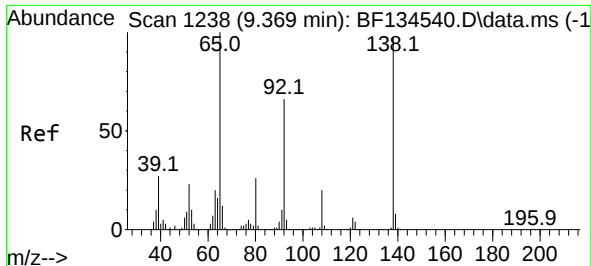
Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.4 18.7 28.1





#48

2-Nitroaniline

Concen: 3.258 ng

RT: 9.357 min Scan# 1316

Delta R.T. -0.023 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823

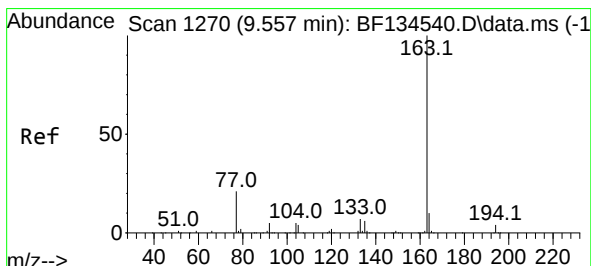
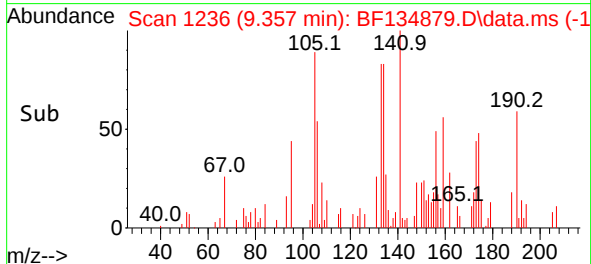
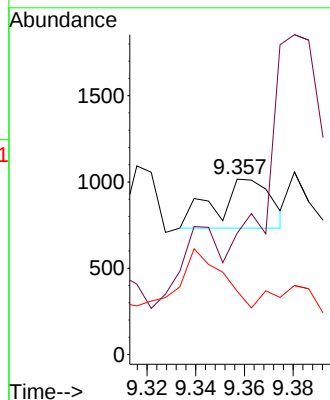
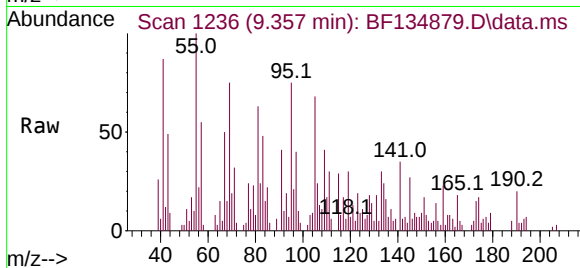
Tgt Ion: 65 Resp: 443

Ion Ratio Lower Upper

65 100

92 69.2 50.7 76.1

138 36.1 78.2 117.4#



#50

Dimethylphthalate

Concen: 3.134 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

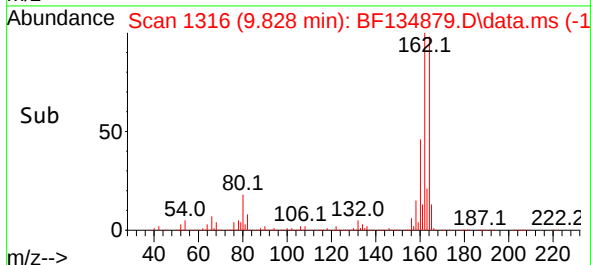
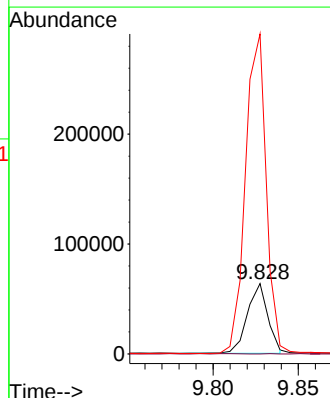
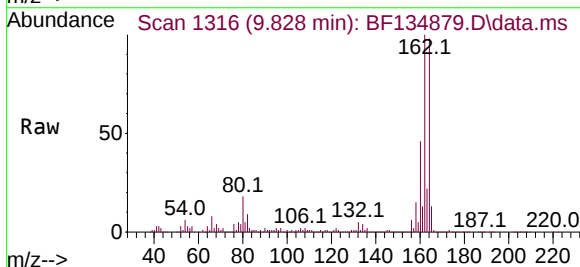
Tgt Ion:163 Resp: 52992

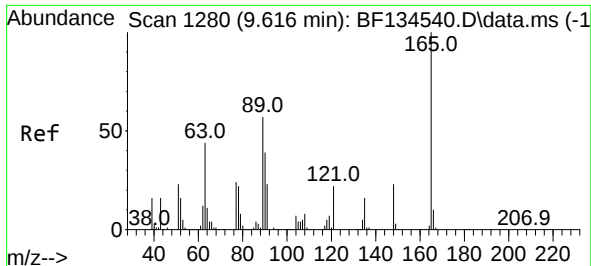
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 455.1 7.5 11.3#

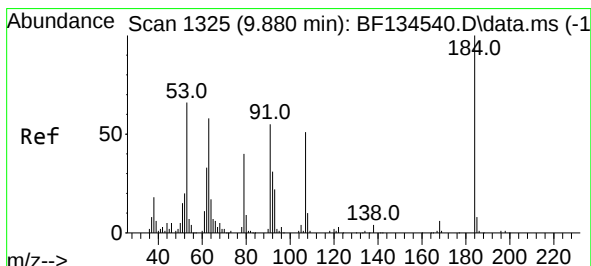
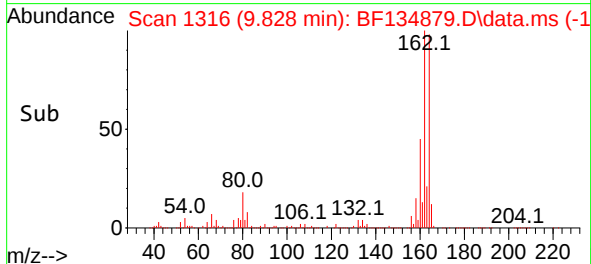
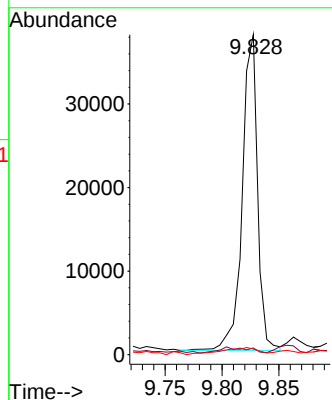
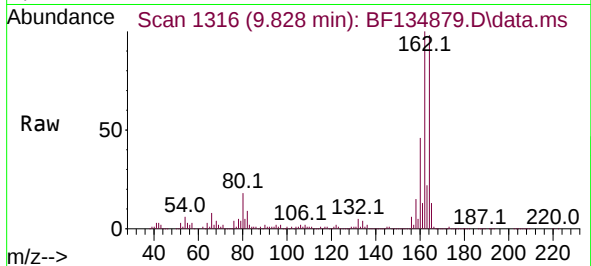




#51
2,6-Dinitrotoluene
Concen: 12.162 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

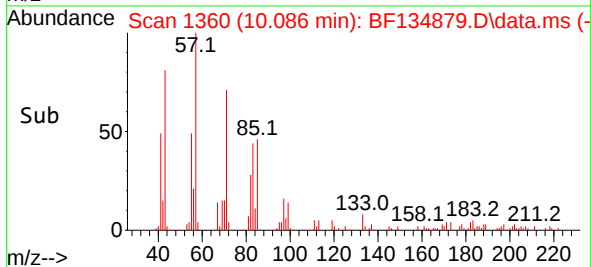
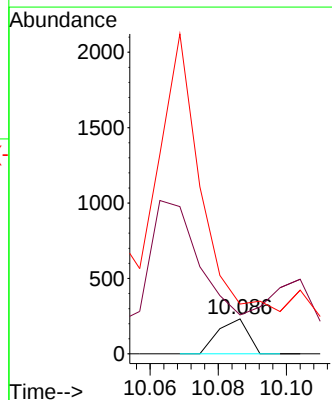
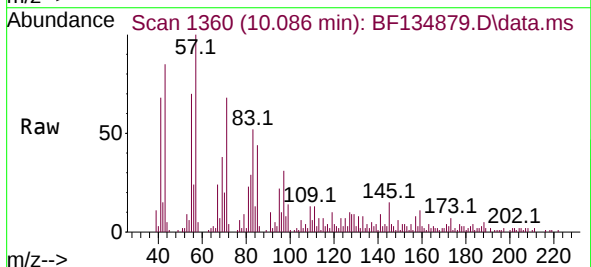
Instrument :
BNA_F
ClientSampleId :
EO-03-081823

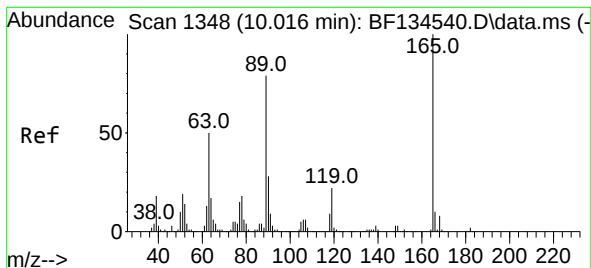
Tgt Ion:165 Resp: 35323
Ion Ratio Lower Upper
165 100
63 2.1 57.8 86.6#
89 1.8 51.8 77.8#



#54
2,4-Dinitrophenol
Concen: 6.917 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.188 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:184 Resp: 141
Ion Ratio Lower Upper
184 100
63 111.2 57.1 85.7#
154 142.2 59.1 88.7#

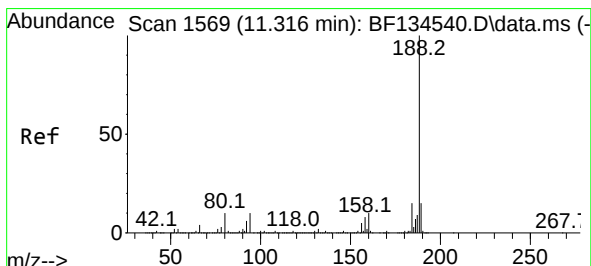
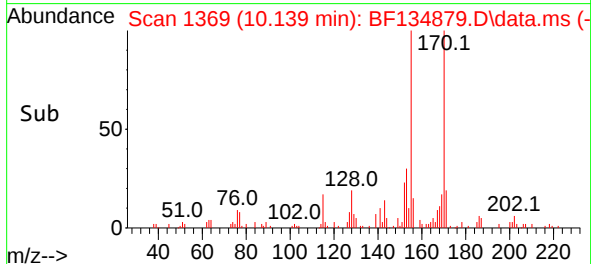
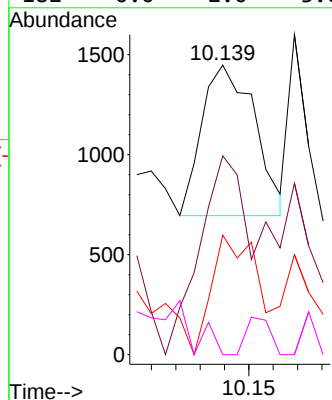
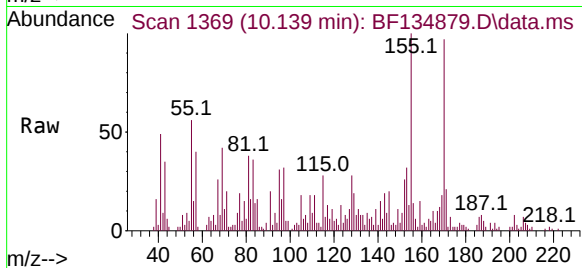




#57
2,4-Dinitrotoluene
Concen: 3.106 ng
RT: 10.139 min Scan# 1348
Delta R.T. 0.112 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

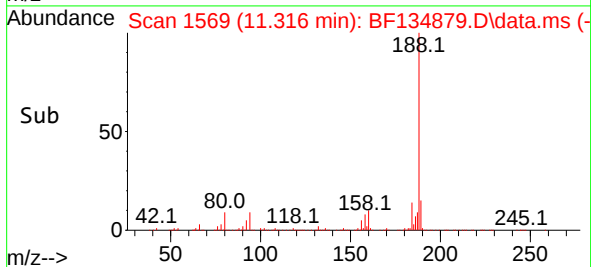
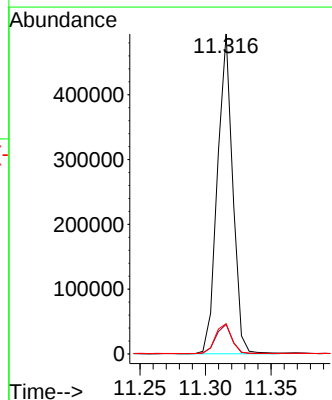
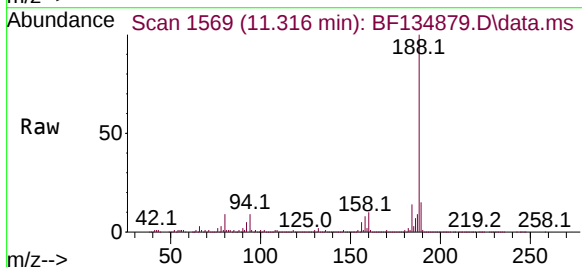
Instrument :
BNA_F
ClientSampleId :
EO-03-081823

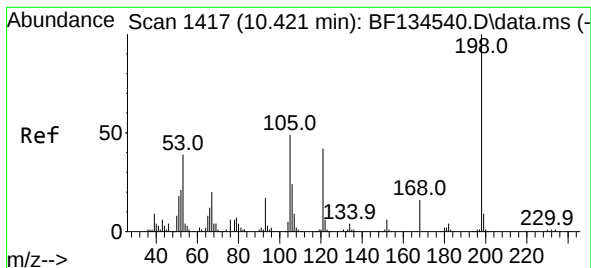
Tgt Ion:165 Resp: 1136
Ion Ratio Lower Upper
165 100
63 68.6 48.9 73.3
89 41.2 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:188 Resp: 401223
Ion Ratio Lower Upper
188 100
94 9.2 5.1 7.7#
80 9.4 6.6 9.8

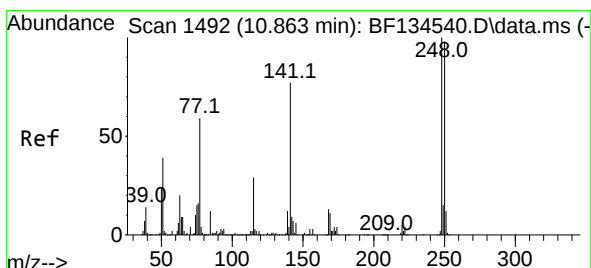
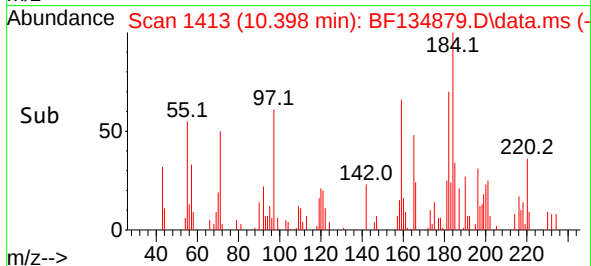
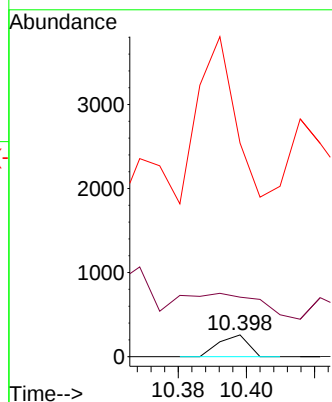
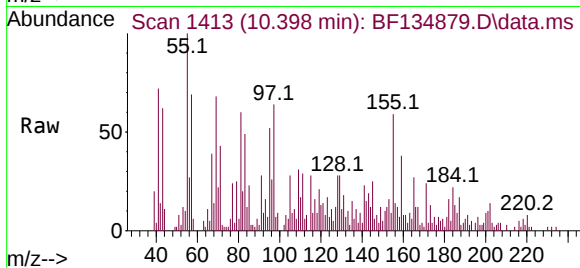




#65
4,6-Dinitro-2-methylphenol
Concen: 8.777 ng
RT: 10.398 min Scan# 1417
Delta R.T. -0.041 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

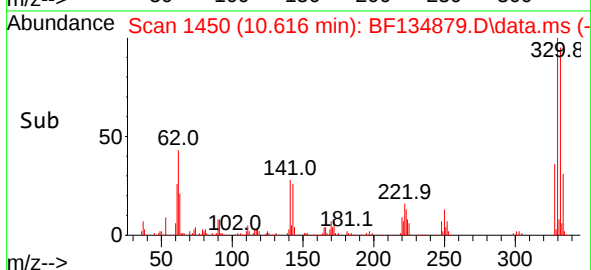
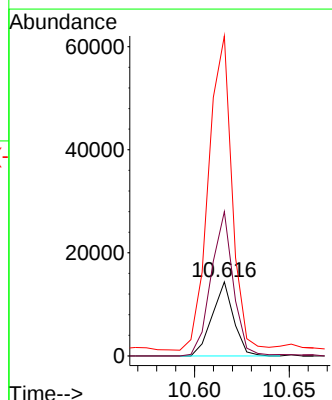
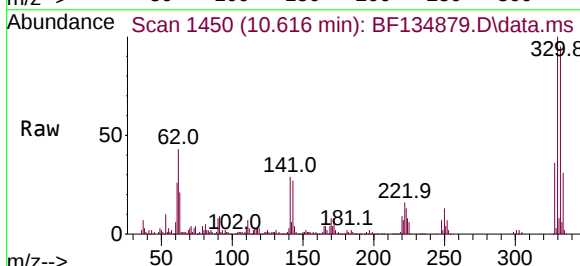
Instrument :
BNA_F
ClientSampleId :
EO-03-081823

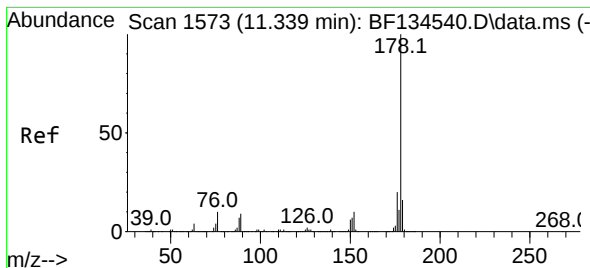
Tgt Ion:198 Resp: 154
Ion Ratio Lower Upper
198 100
51 273.4 38.6 78.6#
105 981.1 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.568 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:248 Resp: 11280
Ion Ratio Lower Upper
248 100
250 195.1 79.6 119.4#
141 432.9 59.6 89.4#





#71

Phenanthrene

Concen: 6.163 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823

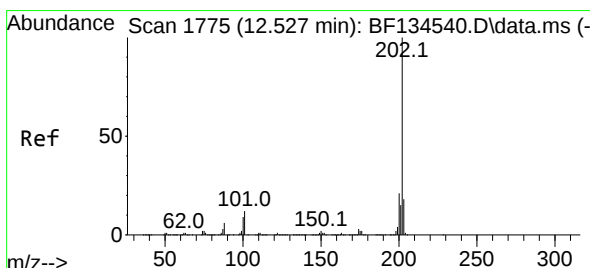
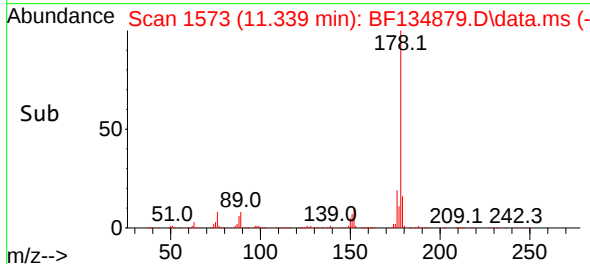
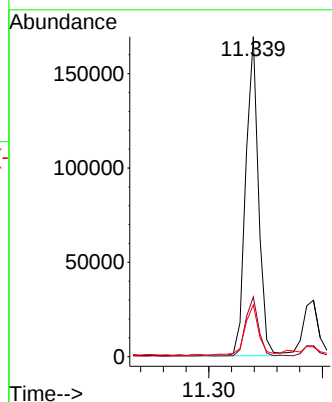
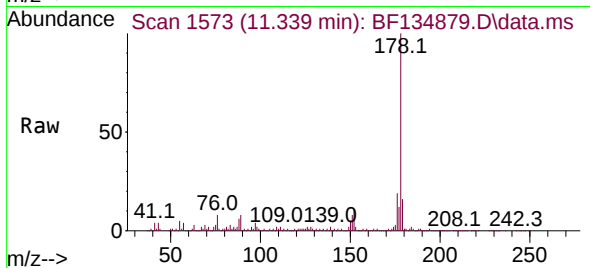
Tgt Ion:178 Resp: 131351

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 16.2 12.7 19.1



#75

Fluoranthene

Concen: 8.569 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

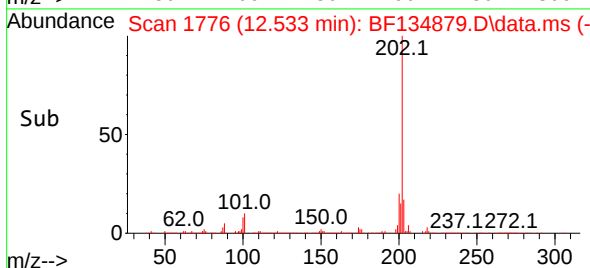
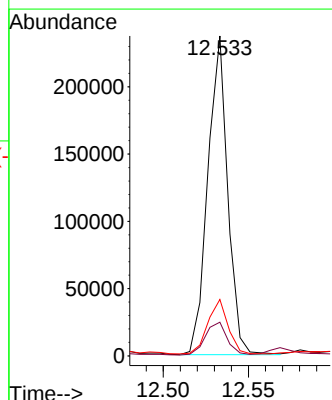
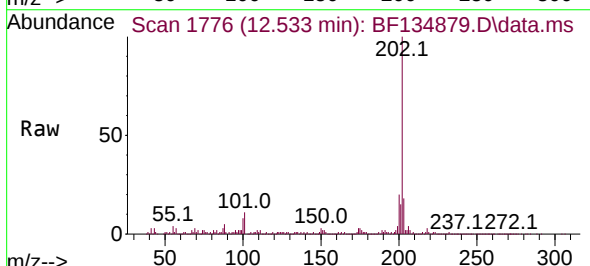
Tgt Ion:202 Resp: 192911

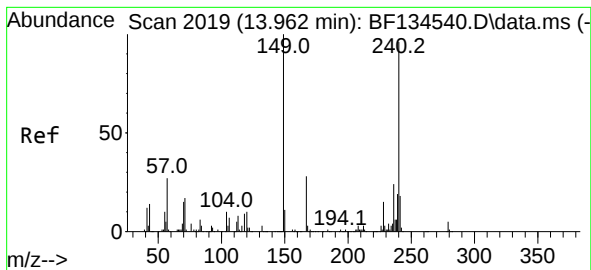
Ion Ratio Lower Upper

202 100

101 10.5 0.0 28.5

203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823

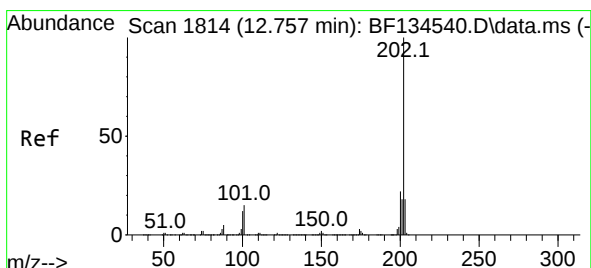
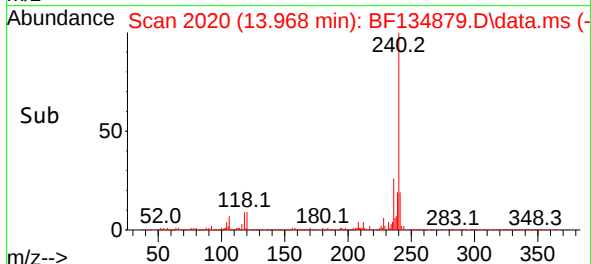
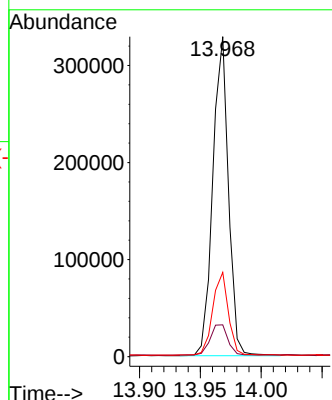
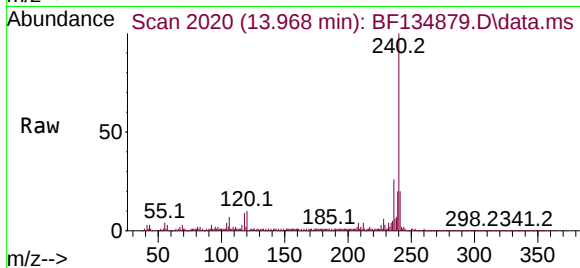
Tgt Ion:240 Resp: 293494

Ion Ratio Lower Upper

240 100

120 9.9 6.6 10.0

236 26.4 20.2 30.2



#78

Pyrene

Concen: 10.870 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

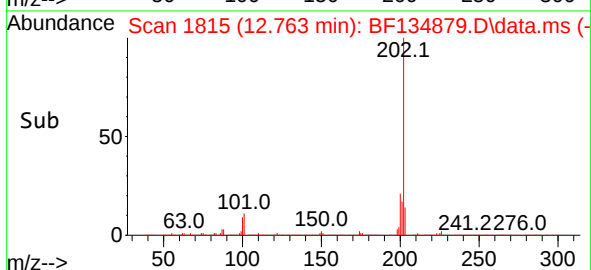
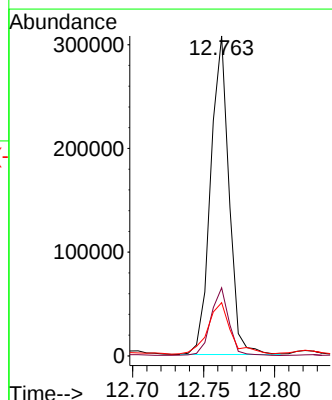
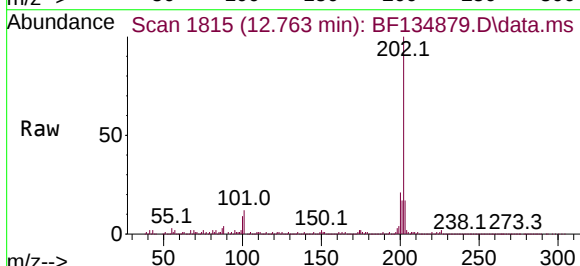
Tgt Ion:202 Resp: 276057

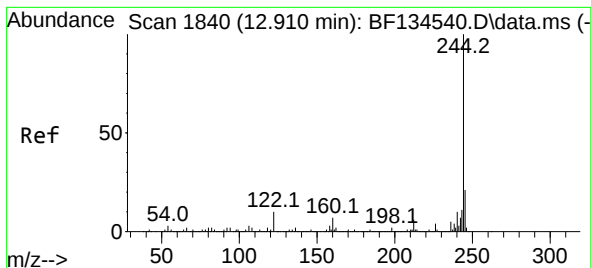
Ion Ratio Lower Upper

202 100

200 21.3 15.8 23.8

203 16.6 13.5 20.3





#79

Terphenyl-d14

Concen: 45.130 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823

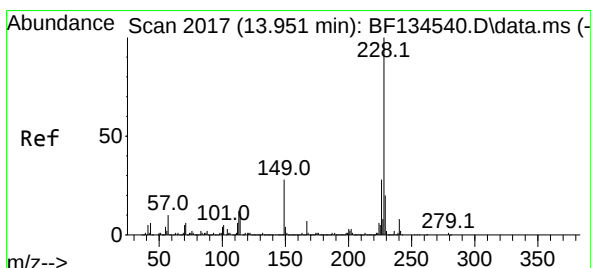
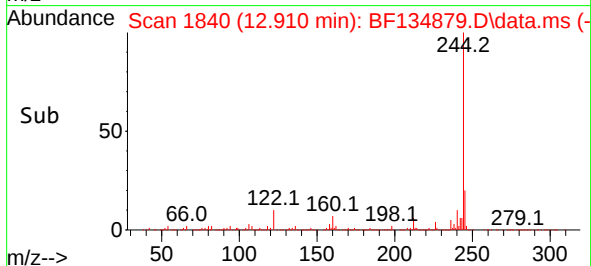
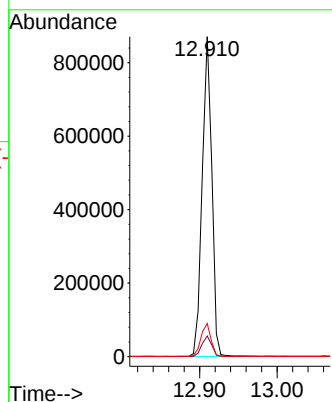
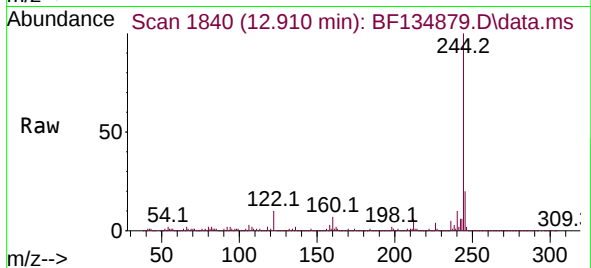
Tgt Ion:244 Resp: 751362

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.3 8.0 12.0



#81

Benzo(a)anthracene

Concen: 4.472 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

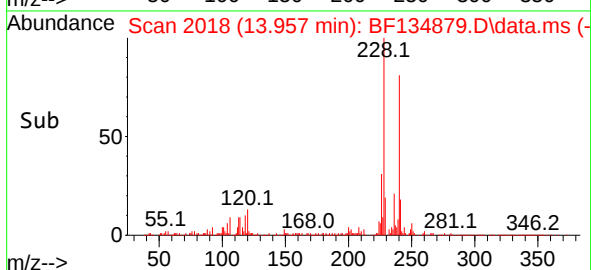
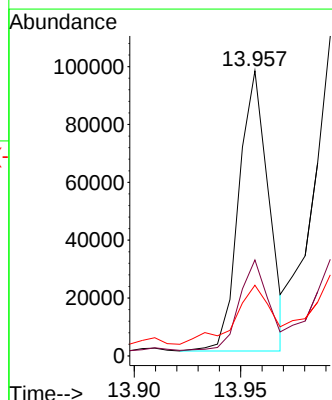
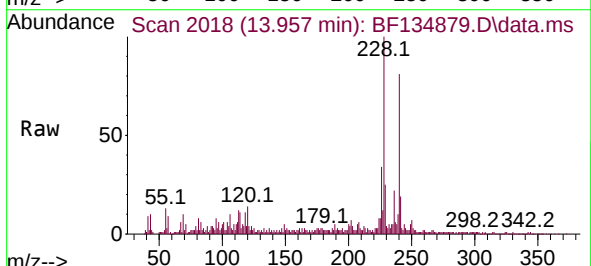
Tgt Ion:228 Resp: 93853

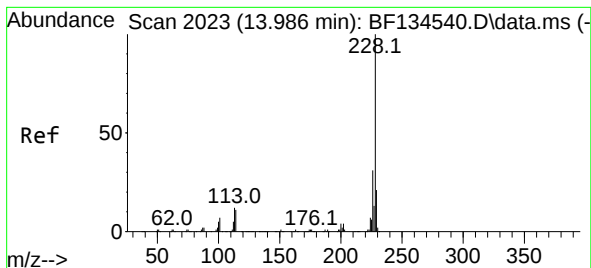
Ion Ratio Lower Upper

228 100

226 33.7 22.3 33.5#

229 24.8 15.8 23.6#





#83

Chrysene

Concen: 4.839 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823

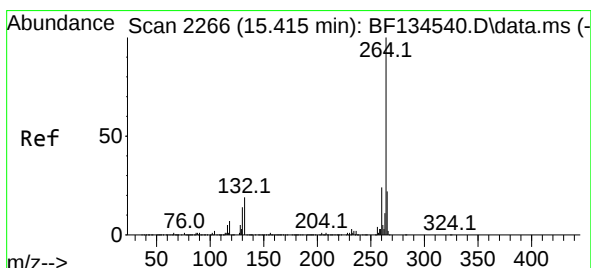
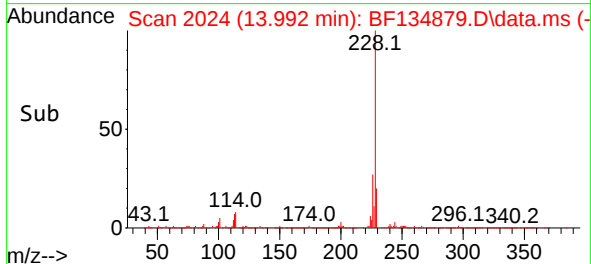
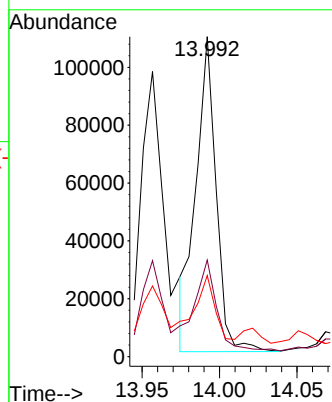
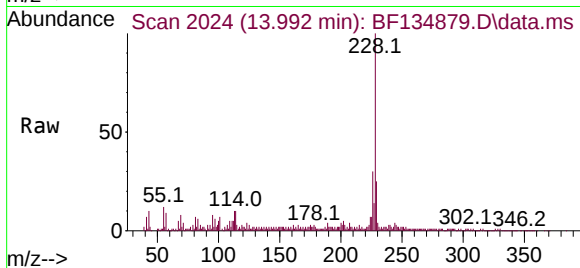
Tgt Ion:228 Resp: 98933

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

229 25.3 15.8 23.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

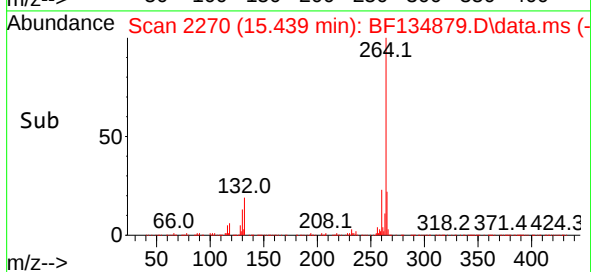
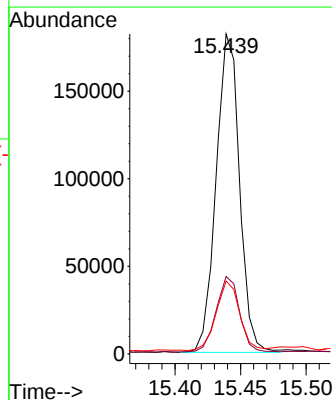
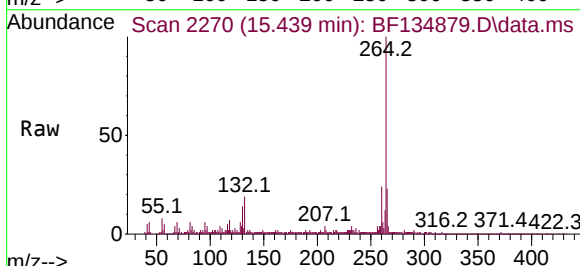
Tgt Ion:264 Resp: 225775

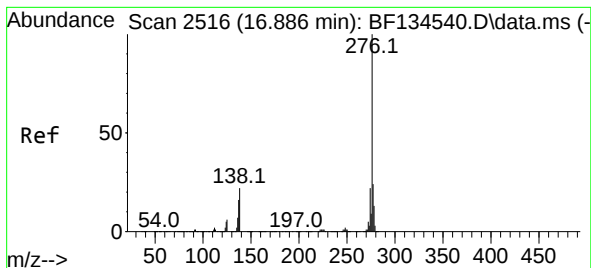
Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 22.8 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.075 ng

RT: 16.927 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

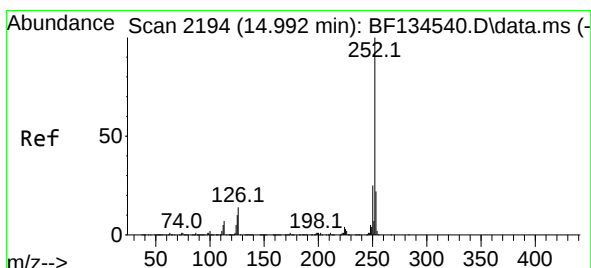
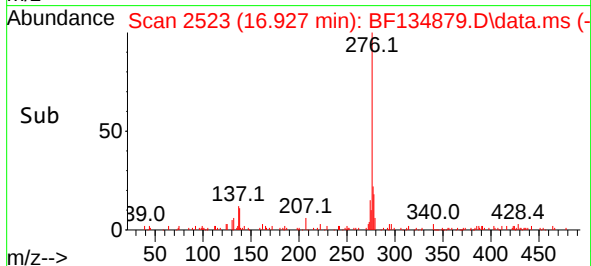
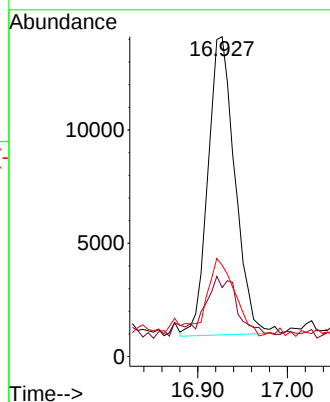
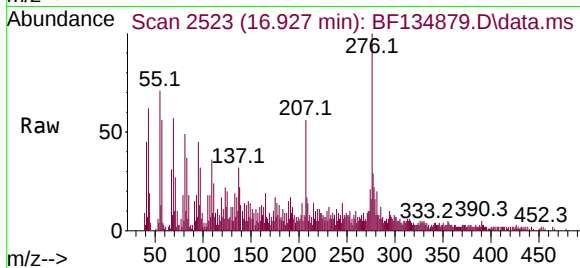
Instrument :

BNA_F

ClientSampleId :

EO-03-081823

Tgt Ion:	276	Resp:	27550
Ion Ratio	Lower	Upper	
276	100		
138	21.9	14.2	21.4#
277	25.2	19.9	29.9



#88

Benzo(b)fluoranthene

Concen: 6.886 ng

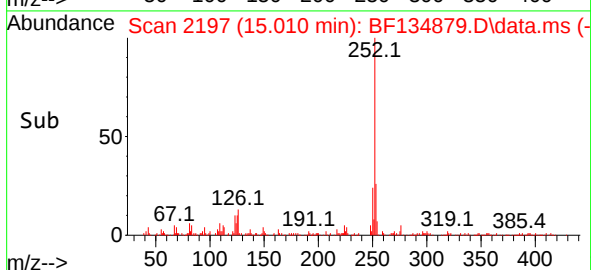
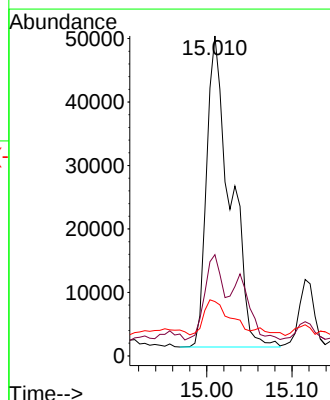
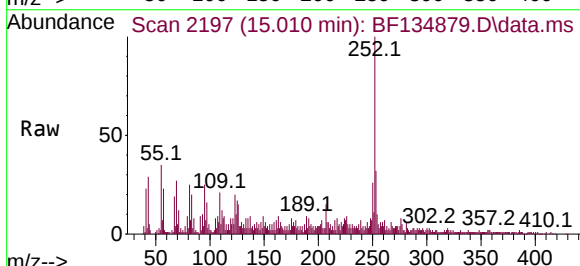
RT: 15.010 min Scan# 2197

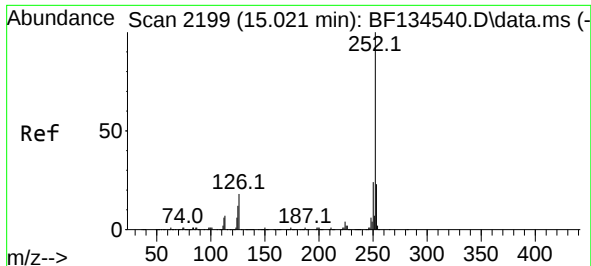
Delta R.T. 0.000 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Tgt Ion:	252	Resp:	94824
Ion Ratio	Lower	Upper	
252	100		
253	31.6	17.3	25.9#
125	17.0	6.0	9.0#

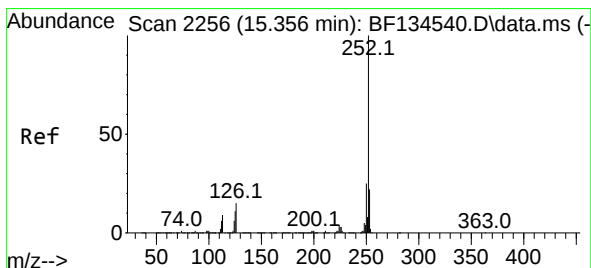
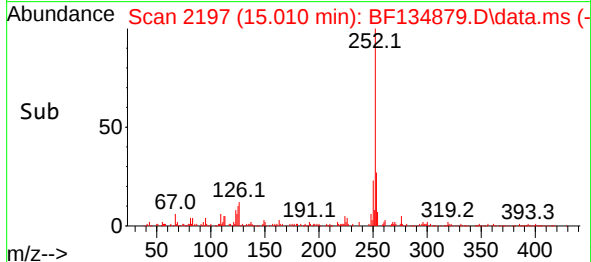
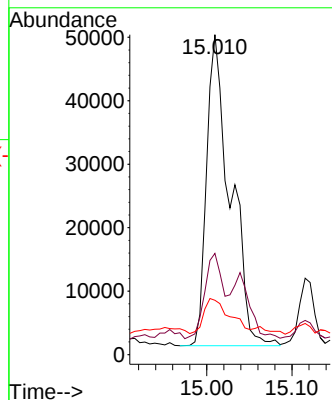
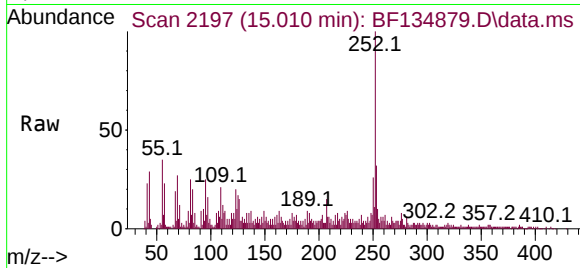




#89
Benzo(k)fluoranthene
Concen: 6.913 ng
RT: 15.010 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

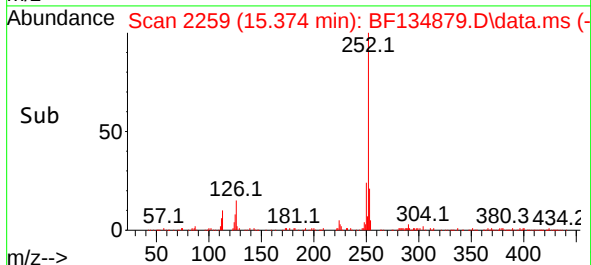
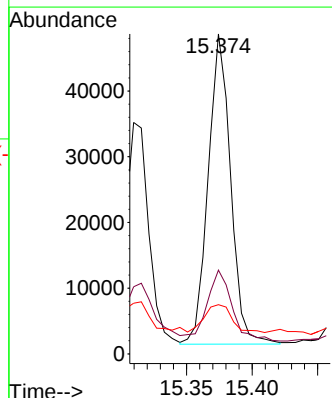
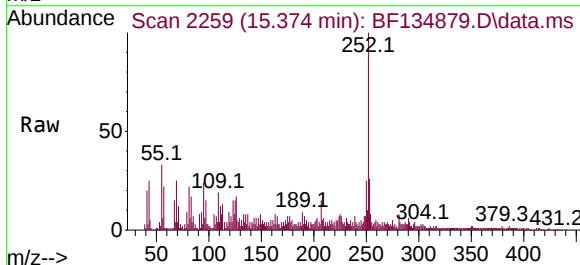
Instrument :
BNA_F
ClientSampleId :
EO-03-081823

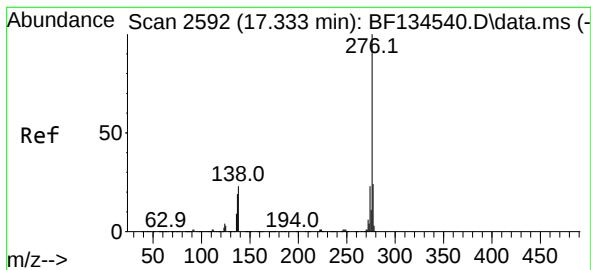
Tgt Ion:252 Resp: 94824
Ion Ratio Lower Upper
252 100
253 31.6 17.9 26.9#
125 17.0 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 4.375 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:252 Resp: 56170
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.4#
125 15.4 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 2.772 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134879.D

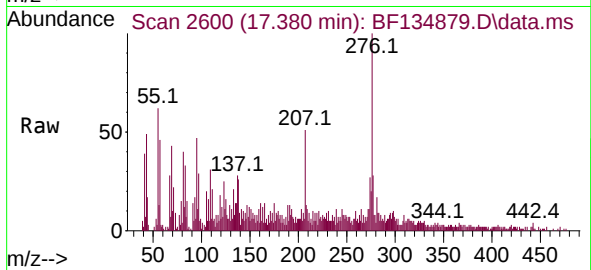
Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823



Tgt Ion:276 Resp: 30342

Ion Ratio Lower Upper

276 100

277 27.9 19.0 28.6

138 25.9 12.2 18.2#

