

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135826.D
 Acq On : 17 Oct 2023 22:34
 Operator : CG\JU
 Sample : 04892-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-10132023-A

Quant Time: Oct 18 02:03:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

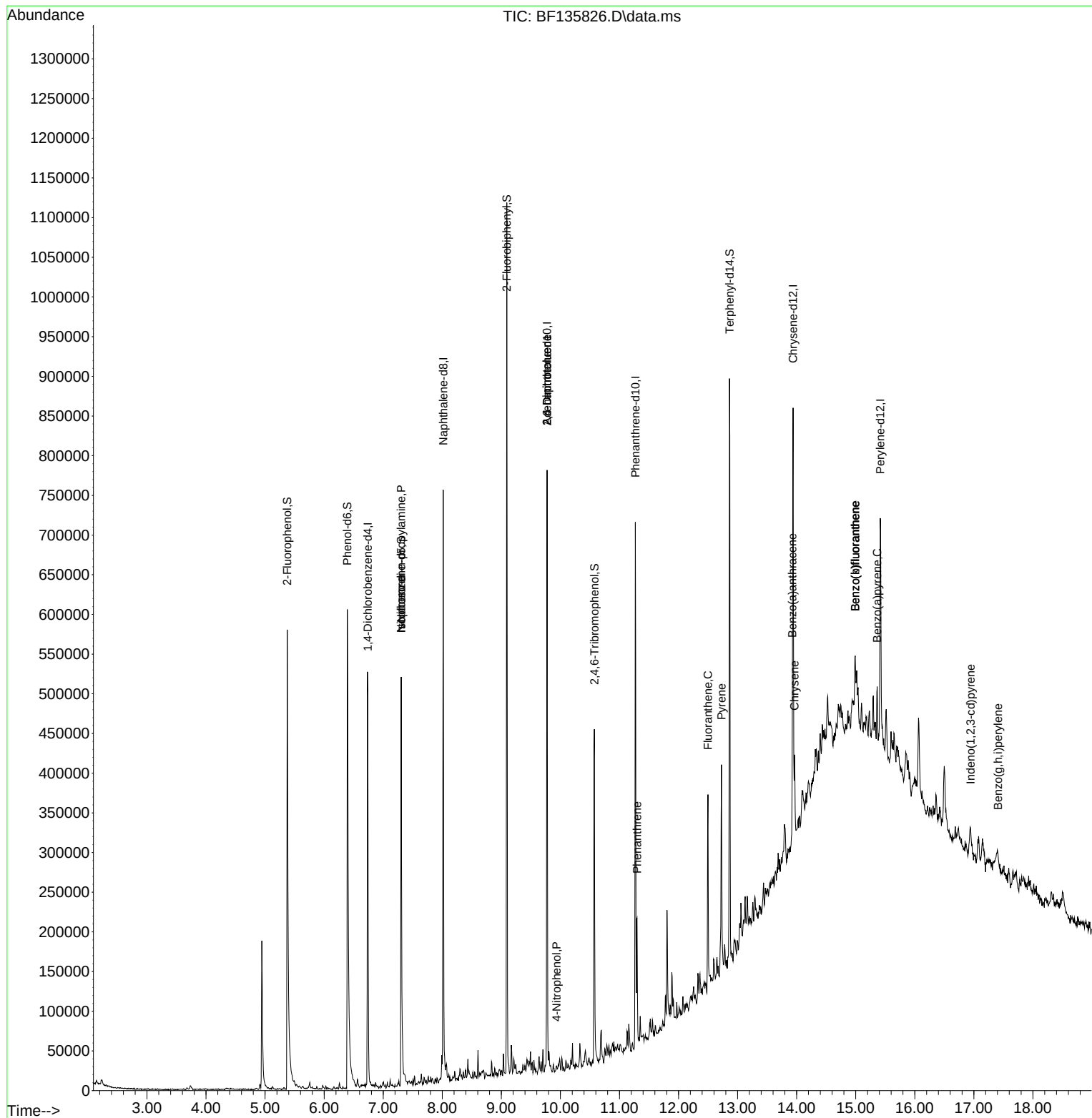
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	84291	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	308687	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	140780	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	237048	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	175013	20.000	ng	-0.01
86) Perylene-d12	15.416	264	143077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	222228	42.387	ng	0.00
7) Phenol-d6	6.393	99	271564	41.514	ng	0.00
23) Nitrobenzene-d5	7.304	82	165169	29.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	53911	39.908	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	301265	33.459	ng	-0.01
79) Terphenyl-d14	12.863	244	271212	28.698	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	23324	5.767	ng	# 73
25) Isophorone	7.304	82	165169	15.599	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18788	9.193	ng	# 16
56) 4-Nitrophenol	9.934	139	60	5.541	ng	# 1
57) 2,4-Dinitrotoluene	9.775	165	18788	7.226	ng	# 23
71) Phenanthrene	11.298	178	65110	5.734	ng	99
75) Fluoranthene	12.498	202	103007	8.173	ng	95
78) Pyrene	12.727	202	107373	7.721	ng	99
81) Benzo(a)anthracene	13.927	228	51365	4.468	ng	93
83) Chrysene	13.963	228	46246	4.153	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.945	276	17372	2.228	ng	94
88) Benzo(b)fluoranthene	14.992	252	62780	7.840	ng	# 81
89) Benzo(k)fluoranthene	14.992	252	62780	8.075	ng	# 80
90) Benzo(a)pyrene	15.363	252	33257	4.417	ng	# 92
92) Benzo(g,h,i)perylene	17.410	276	17301	2.635	ng	# 90

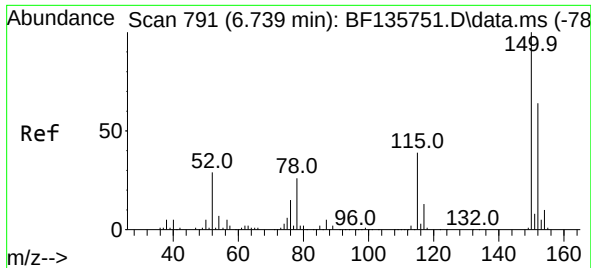
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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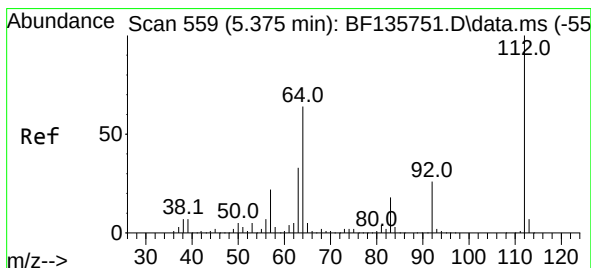
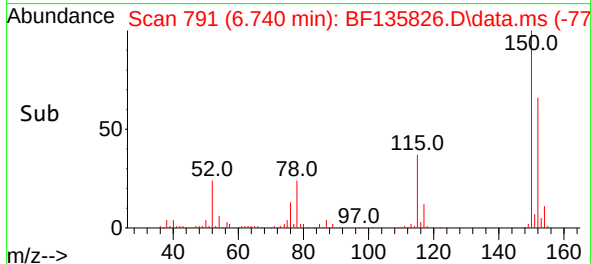
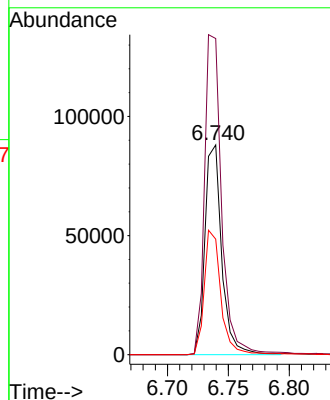
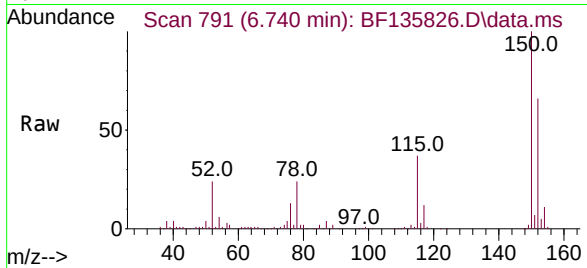




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

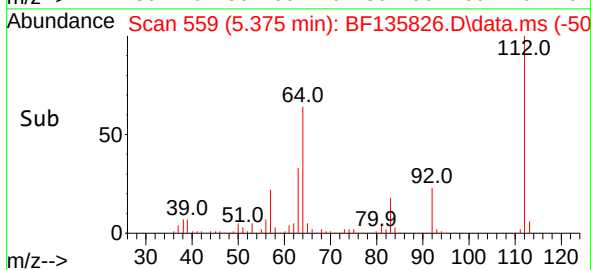
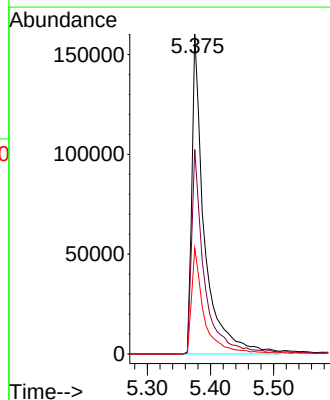
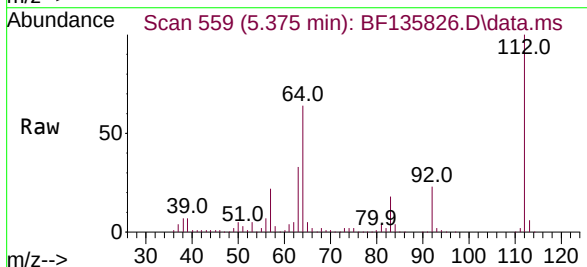
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

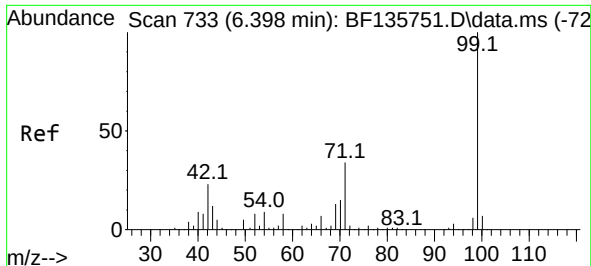
Tgt Ion:152 Resp: 84291
Ion Ratio Lower Upper
152 100
150 150.8 124.5 186.7
115 55.1 49.0 73.4



#5
2-Fluorophenol
Concen: 42.387 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:112 Resp: 222228
Ion Ratio Lower Upper
112 100
64 63.9 51.2 76.8
63 33.1 26.1 39.1

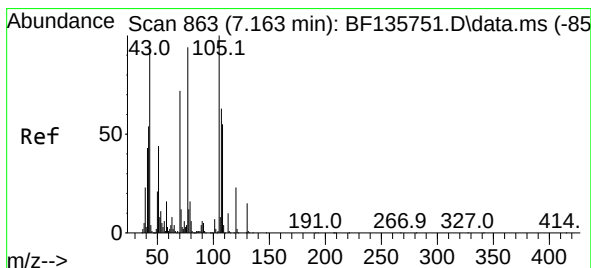
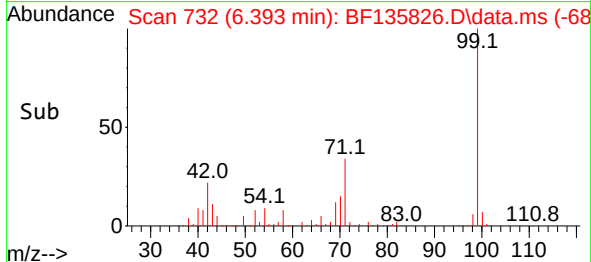
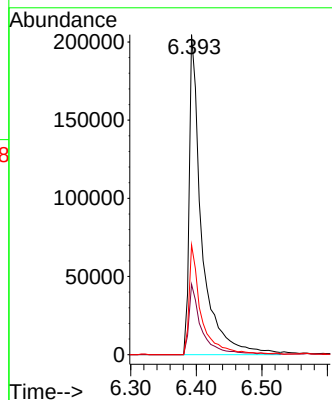
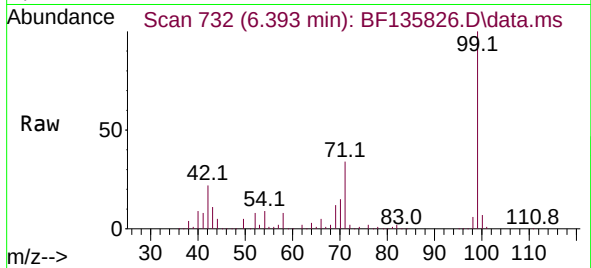




#7
Phenol-d6
Concen: 41.514 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

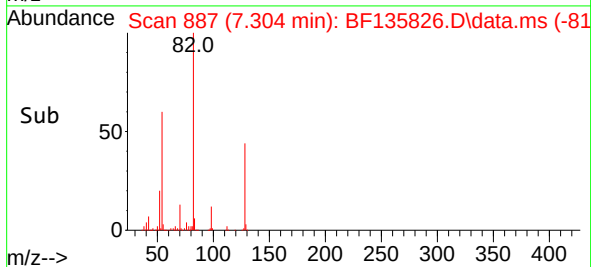
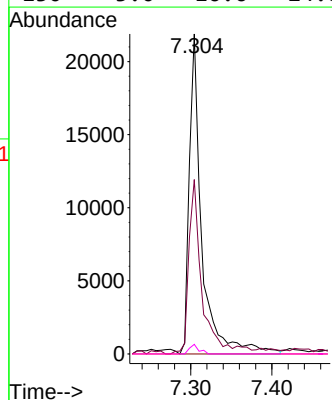
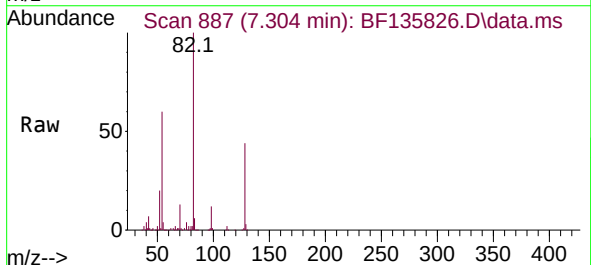
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

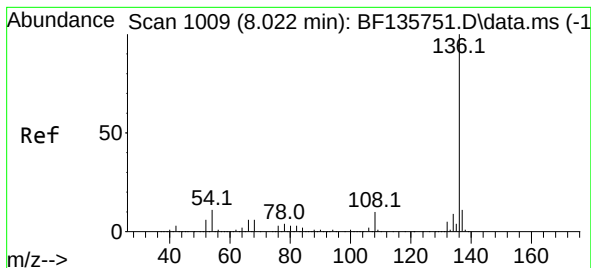
Tgt Ion: 99 Resp: 271564
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 34.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.767 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion: 70 Resp: 23324
Ion Ratio Lower Upper
70 100
42 54.5 59.8 89.6#
101 0.0 7.4 11.2#
130 3.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A

Tgt Ion:136 Resp: 308687

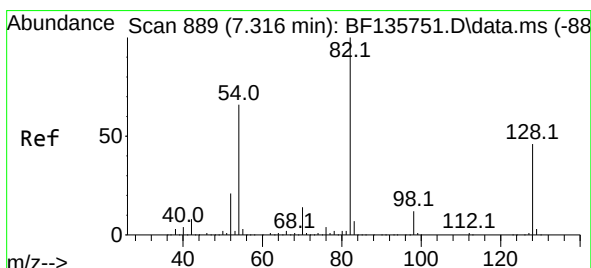
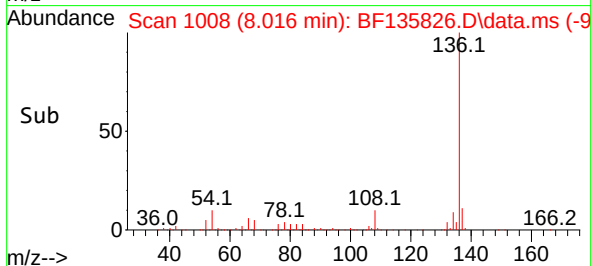
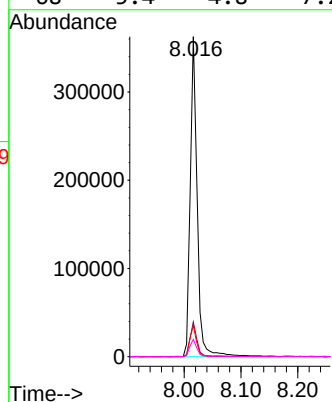
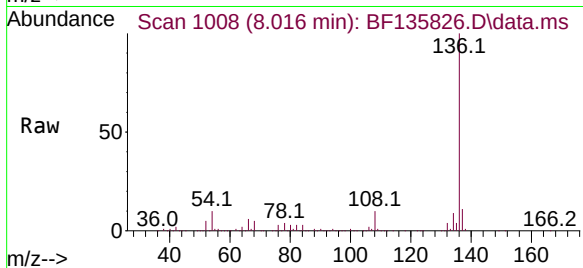
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.7 8.5 12.7

68 5.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 29.428 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

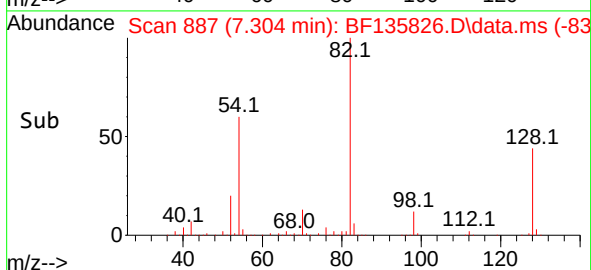
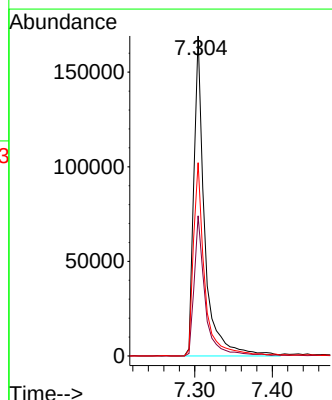
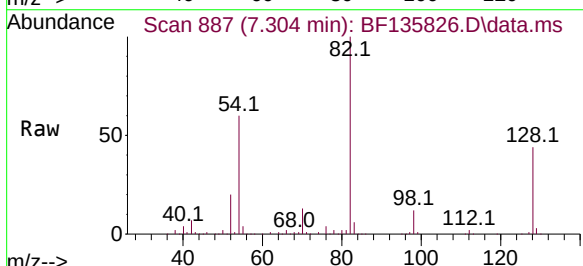
Tgt Ion: 82 Resp: 165169

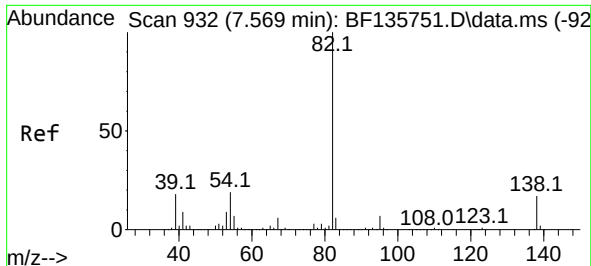
Ion Ratio Lower Upper

82 100

128 43.8 37.0 55.6

54 60.4 52.8 79.2

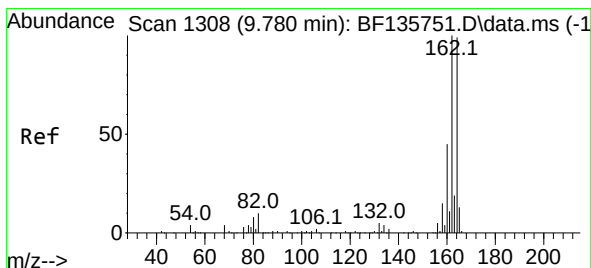
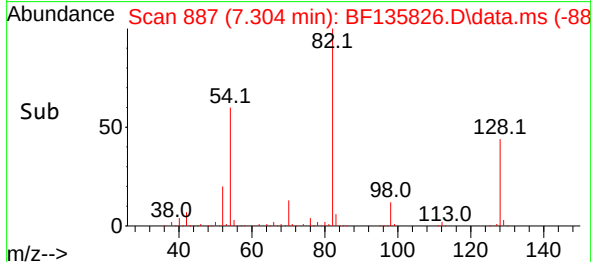
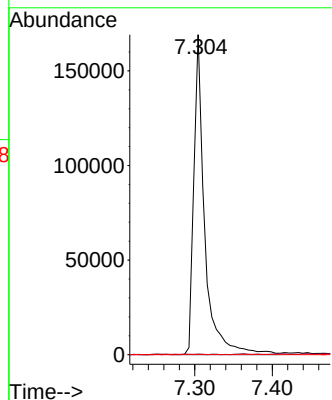
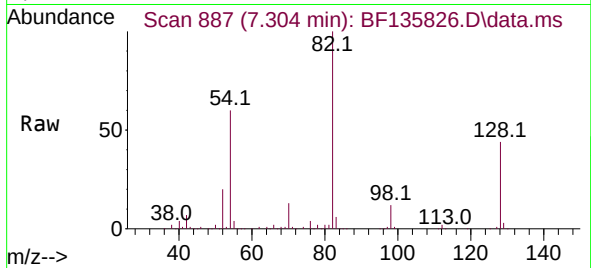




#25
Isophorone
Concen: 15.599 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

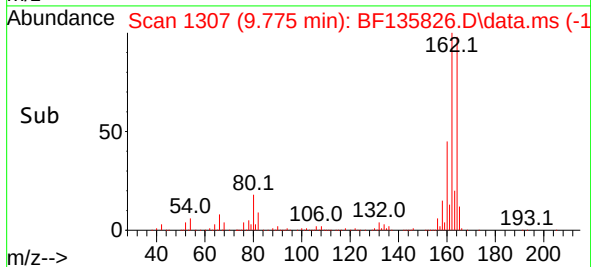
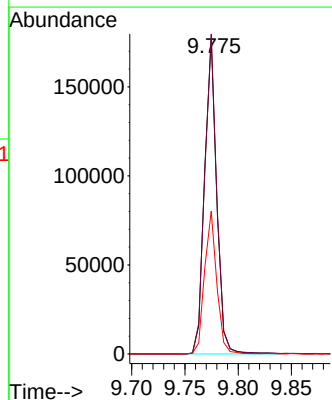
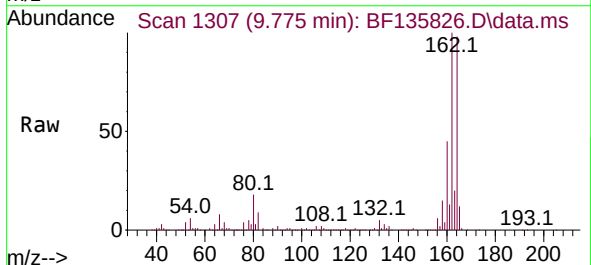
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

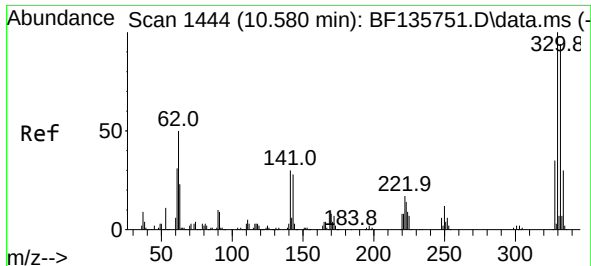
Tgt Ion: 82 Resp: 165169
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:164 Resp: 140780
Ion Ratio Lower Upper
164 100
162 101.6 80.8 121.2
160 45.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 39.908 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135826.D

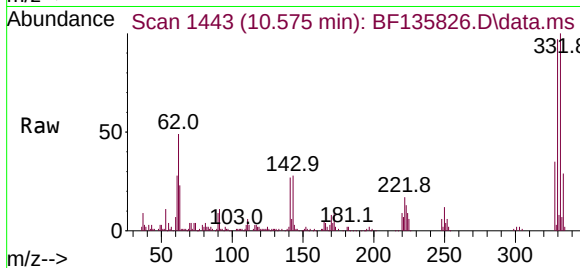
Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A



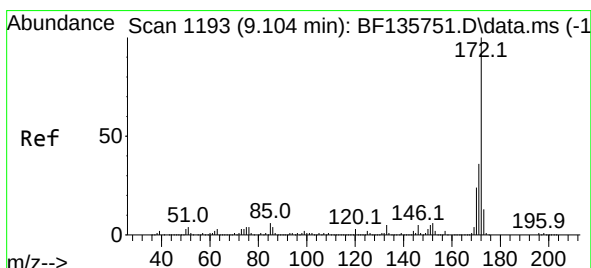
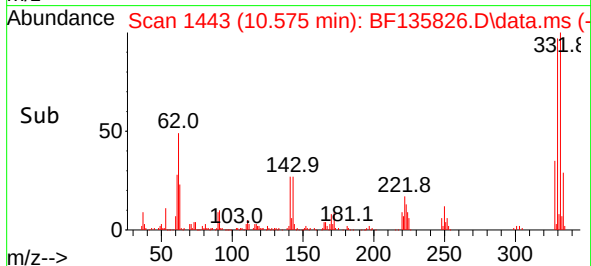
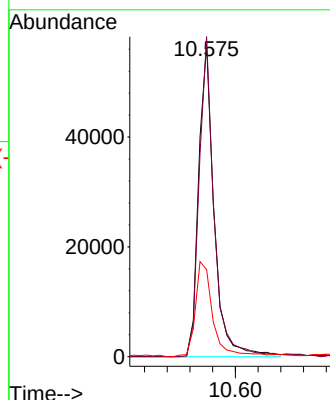
Tgt Ion:330 Resp: 53911

Ion Ratio Lower Upper

330 100

332 99.6 75.0 112.4

141 35.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 33.459 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

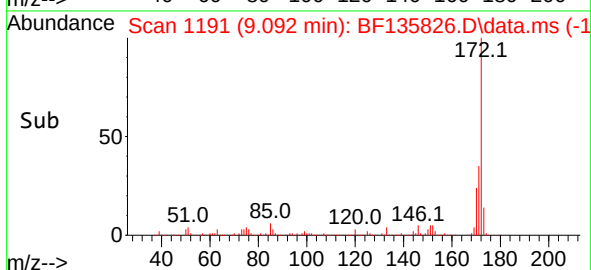
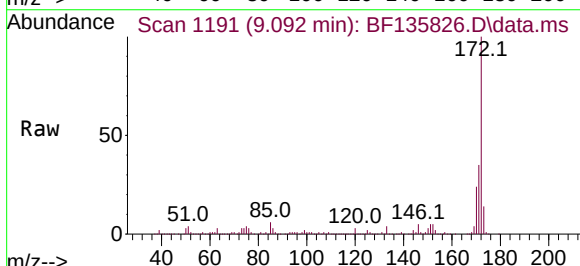
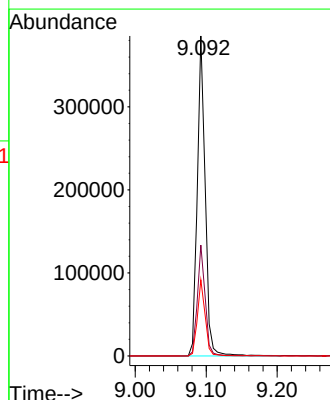
Tgt Ion:172 Resp: 301265

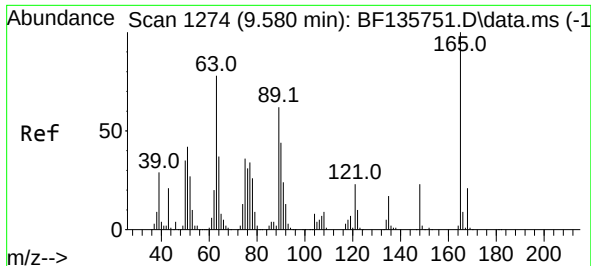
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.8 18.8 28.2

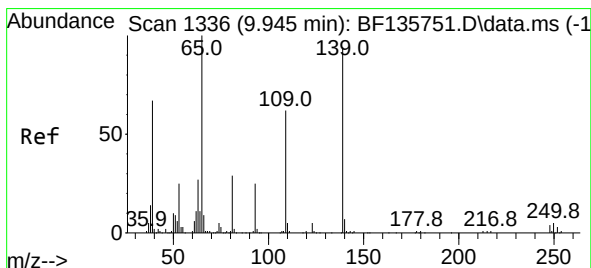
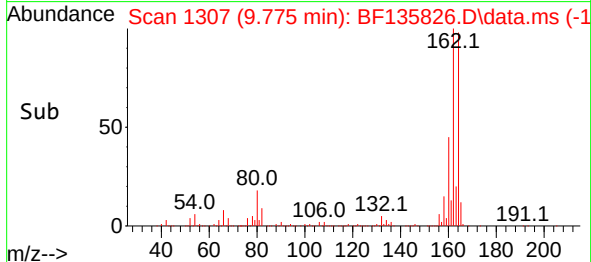
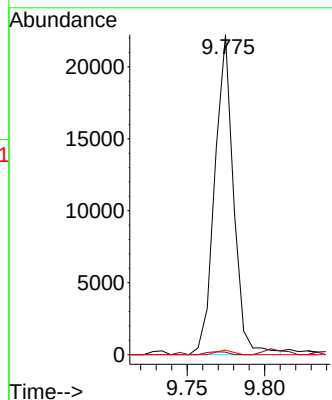
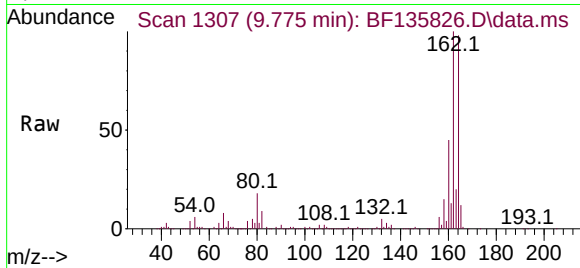




#51
2,6-Dinitrotoluene
Concen: 9.193 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

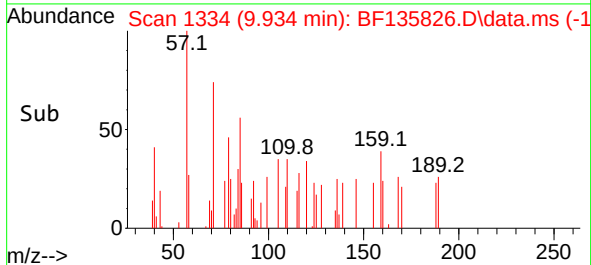
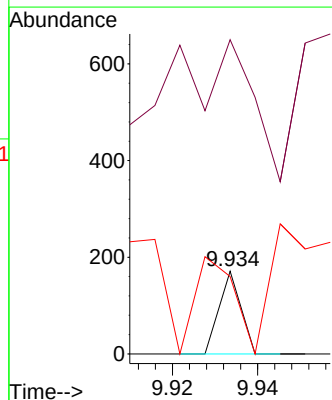
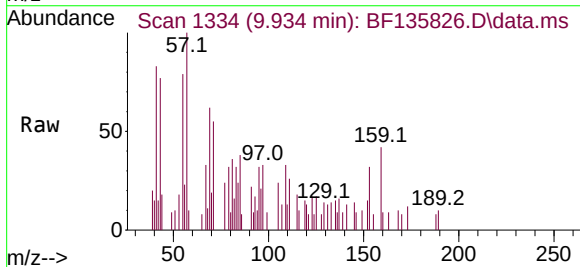
Instrument :
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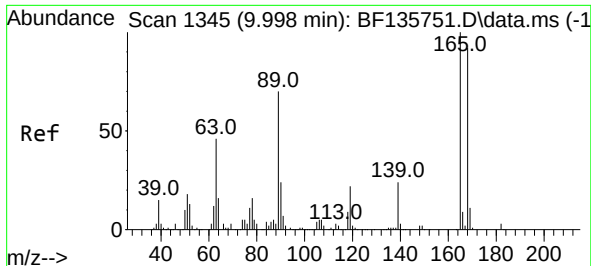
Tgt Ion:165 Resp: 18788
Ion Ratio Lower Upper
165 100
63 0.8 62.2 93.4#
89 1.5 49.6 74.4#



#56
4-Nitrophenol
Concen: 5.541 ng
RT: 9.934 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:139 Resp: 60
Ion Ratio Lower Upper
139 100
109 380.1 45.6 85.6#
65 93.6 87.5 127.5

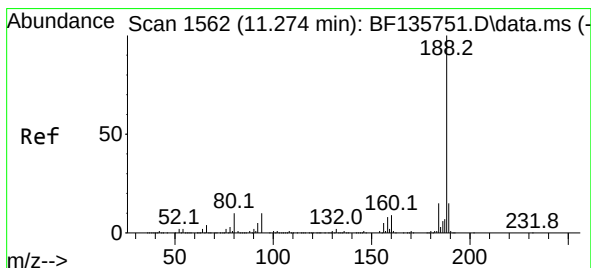
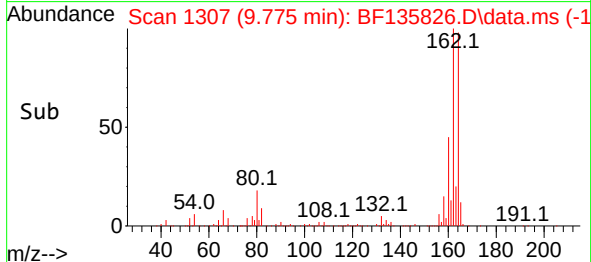
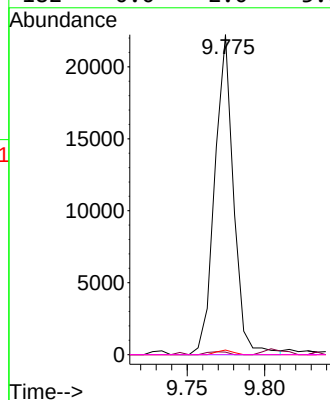
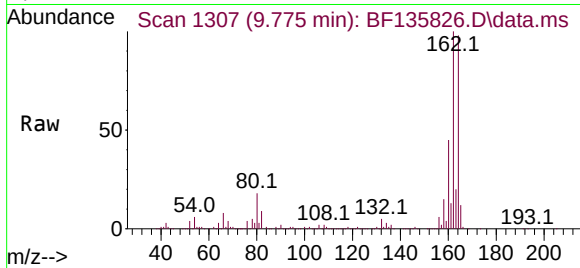




#57
2,4-Dinitrotoluene
Concen: 7.226 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

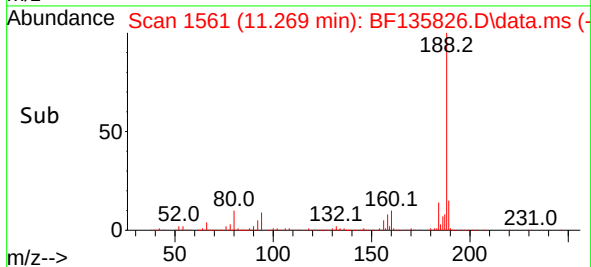
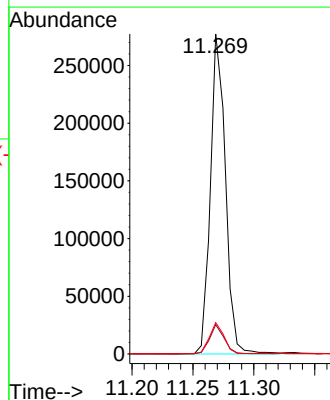
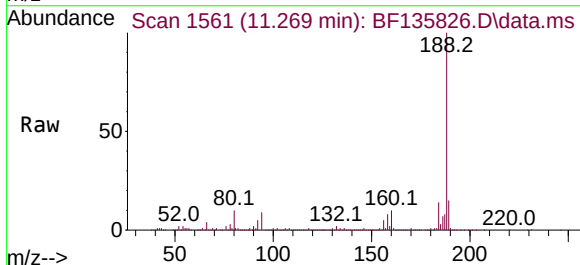
Instrument :
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EO-03-10132023-A

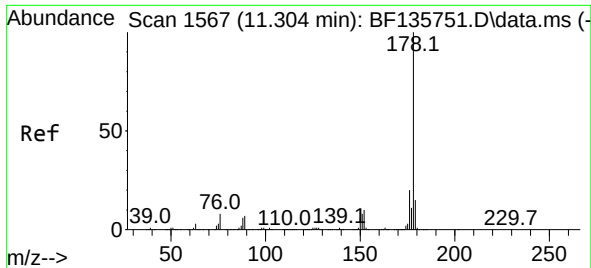
Tgt Ion:165 Resp: 18788
Ion Ratio Lower Upper
165 100
63 0.8 39.0 58.4#
89 1.5 55.9 83.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:188 Resp: 237048
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.8 8.3 12.5

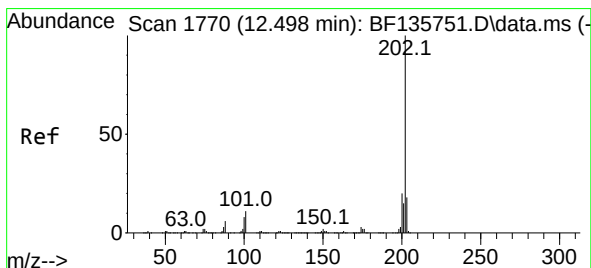
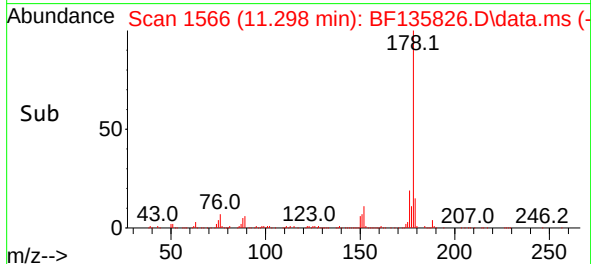
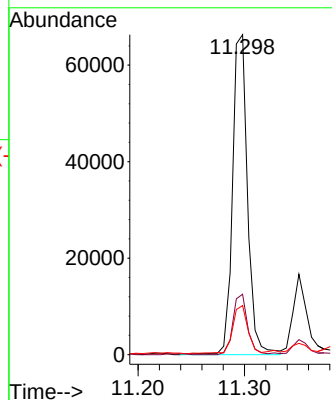
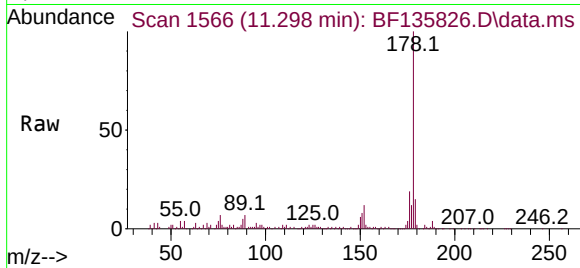




#71
Phenanthrene
Concen: 5.734 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

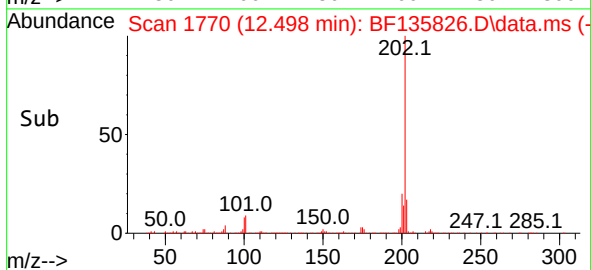
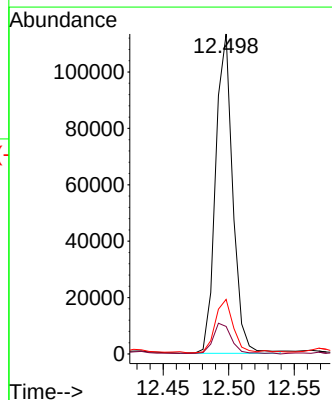
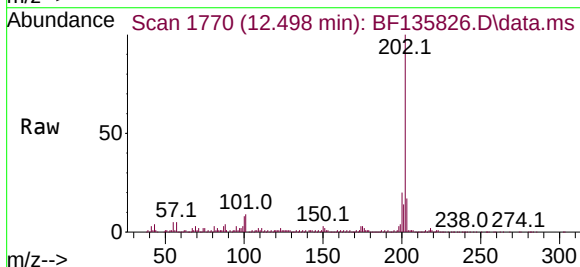
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

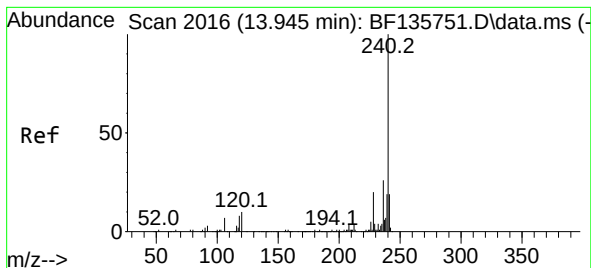
Tgt Ion:178 Resp: 65110
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.4 12.2 18.4



#75
Fluoranthene
Concen: 8.173 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:202 Resp: 103007
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.5
203 17.1 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A

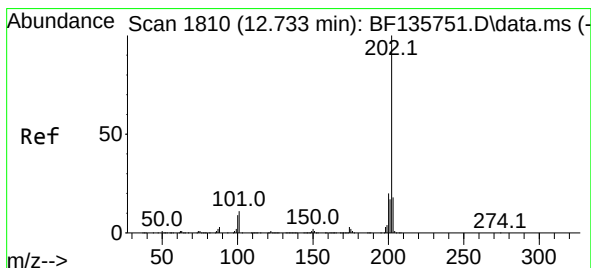
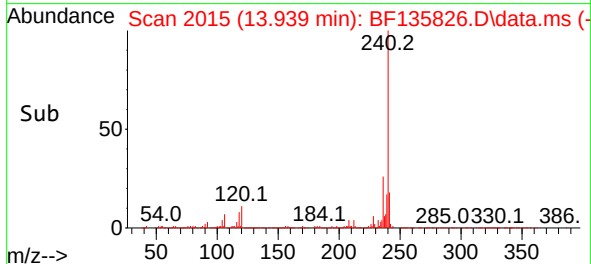
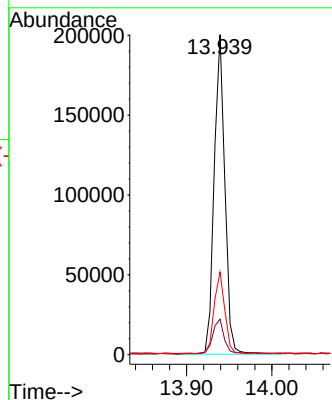
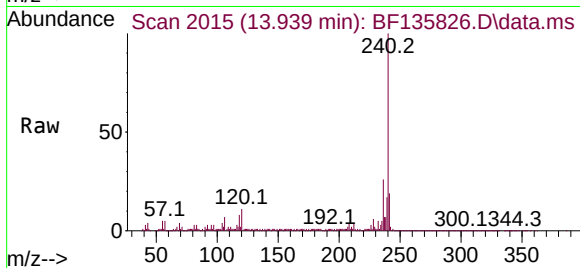
Tgt Ion:240 Resp: 175013

Ion Ratio Lower Upper

240 100

120 11.1 8.2 12.2

236 25.9 21.2 31.8



#78

Pyrene

Concen: 7.721 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

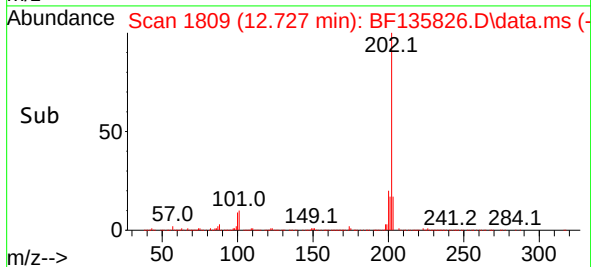
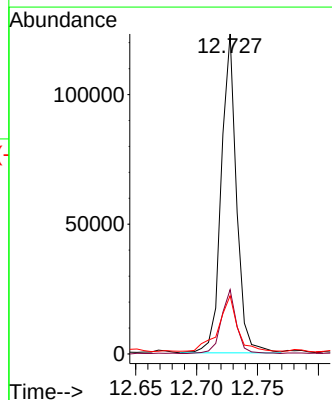
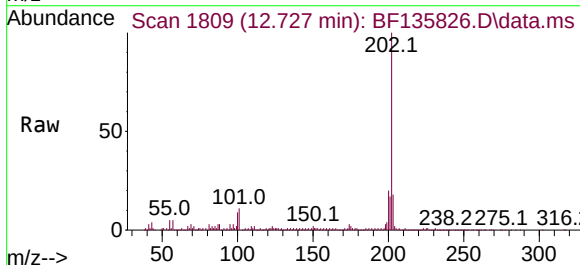
Tgt Ion:202 Resp: 107373

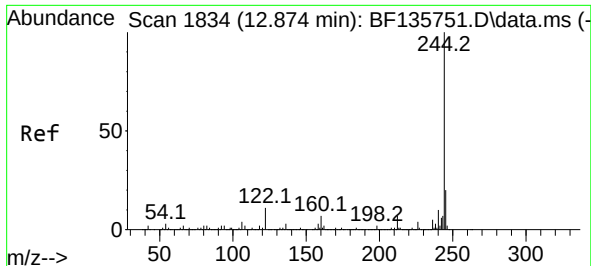
Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 18.2 14.2 21.2

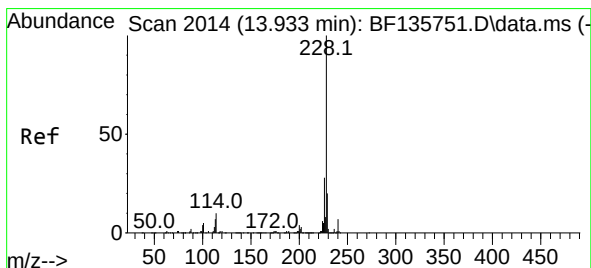
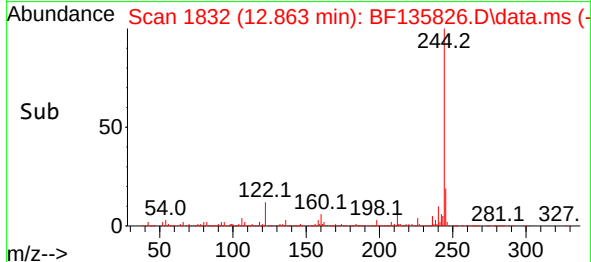
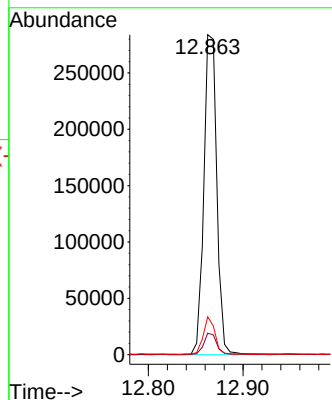
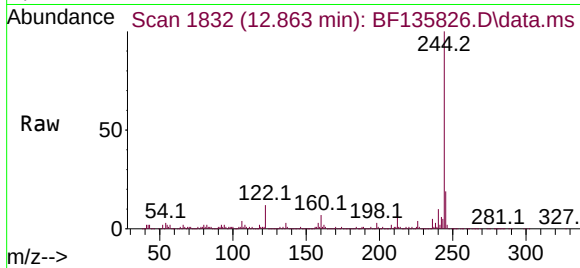




#79
 Terphenyl-d14
 Concen: 28.698 ng
 RT: 12.863 min Scan# 1
 Delta R.T. -0.018 min
 Lab File: BF135826.D
 Acq: 17 Oct 2023 22:34

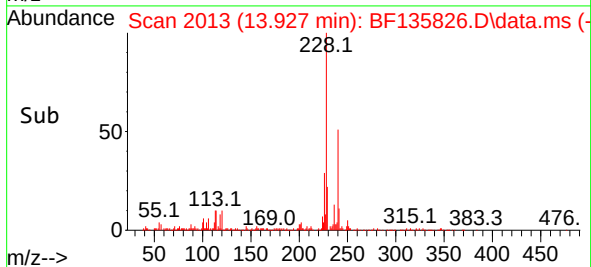
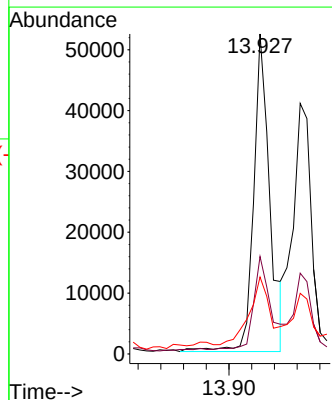
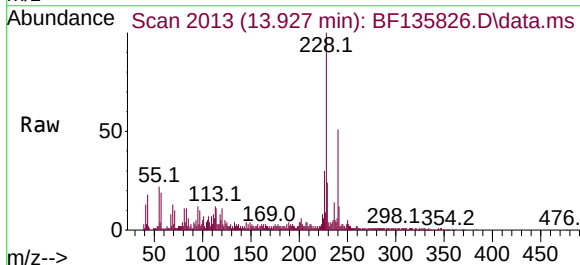
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-10132023-A

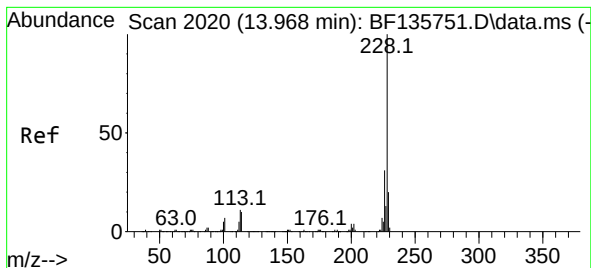
Tgt Ion:244 Resp: 271212
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.8 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 4.468 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135826.D
 Acq: 17 Oct 2023 22:34

Tgt Ion:228 Resp: 51365
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.2 33.2
 229 24.0 16.1 24.1





#83

Chrysene

Concen: 4.153 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

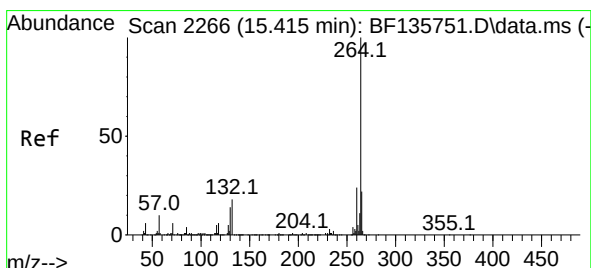
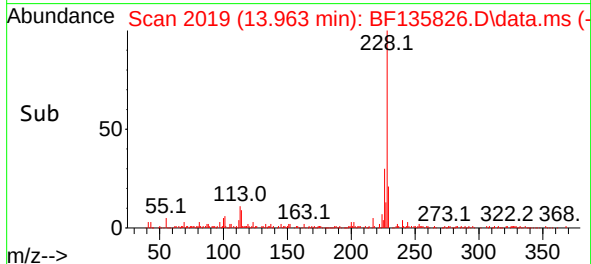
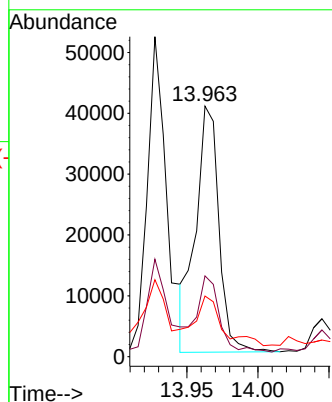
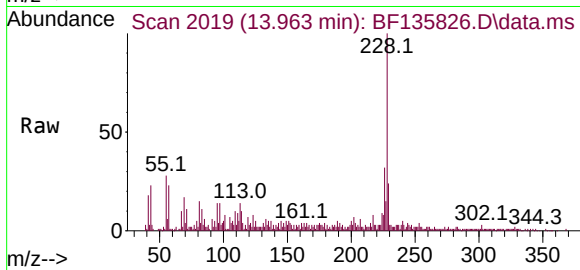
Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A

Tgt Ion:228	Resp:	46246
Ion Ratio	Lower	Upper
228	100	
226	32.2	24.4 36.6
229	24.2	15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

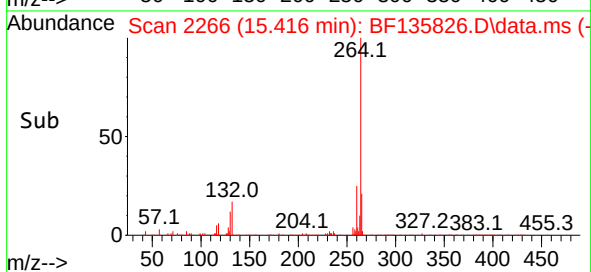
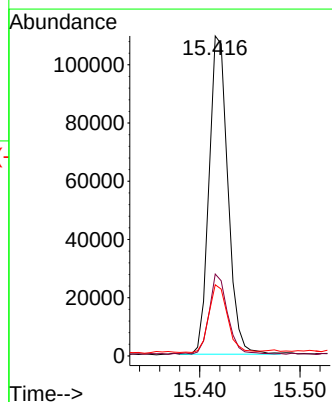
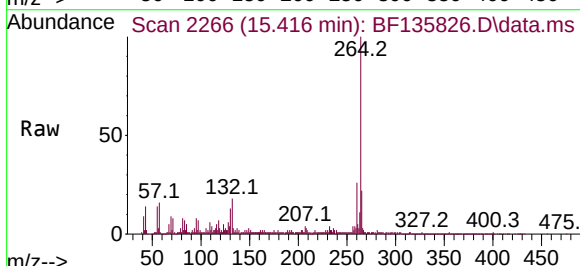
RT: 15.416 min Scan# 2266

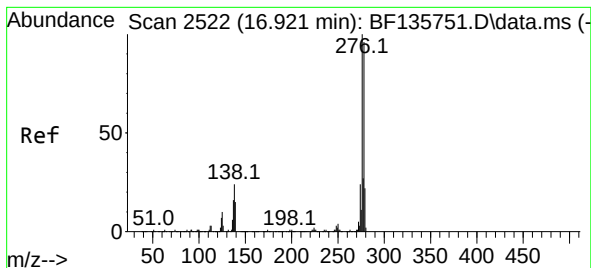
Delta R.T. -0.006 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Tgt Ion:264	Resp:	143077
Ion Ratio	Lower	Upper
264	100	
260	25.6	19.2 28.8
265	22.3	17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.228 ng

RT: 16.945 min Scan# 2194

Delta R.T. 0.012 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A

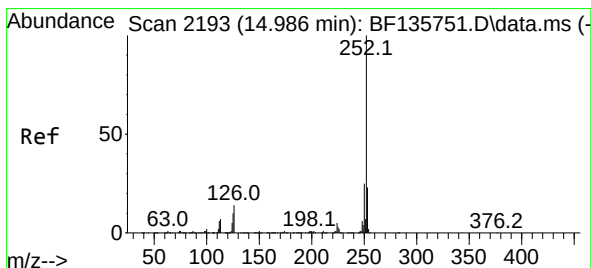
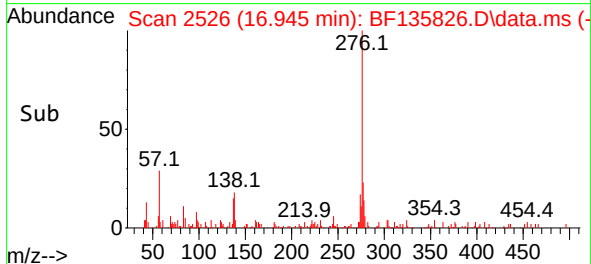
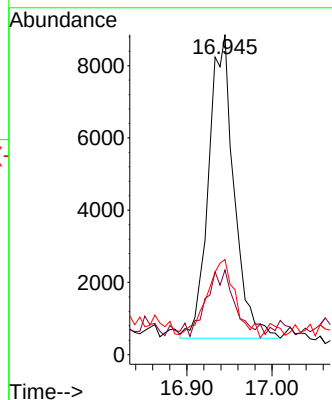
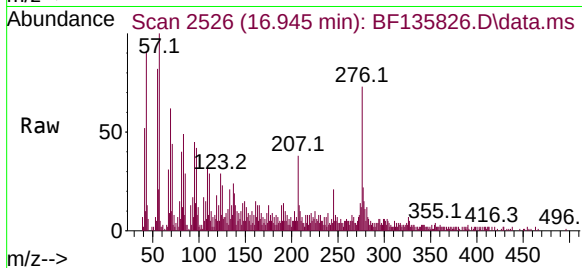
Tgt Ion:276 Resp: 17372

Ion Ratio Lower Upper

276 100

138 23.2 19.8 29.6

277 29.4 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 7.840 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

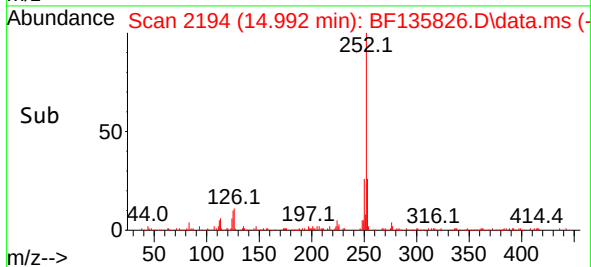
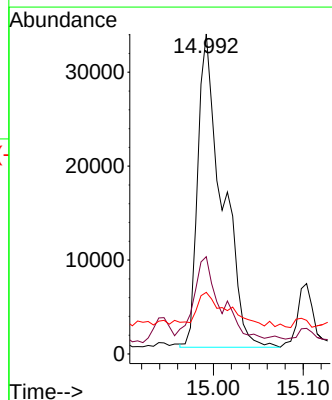
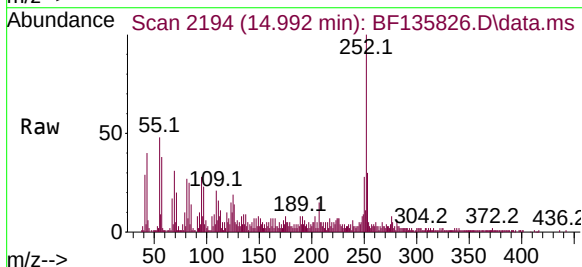
Tgt Ion:252 Resp: 62780

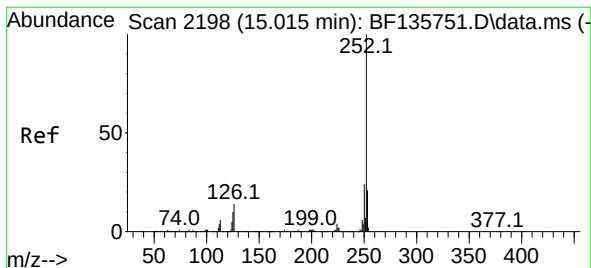
Ion Ratio Lower Upper

252 100

253 30.4 18.2 27.2#

125 19.2 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 8.075 ng

RT: 14.992 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A

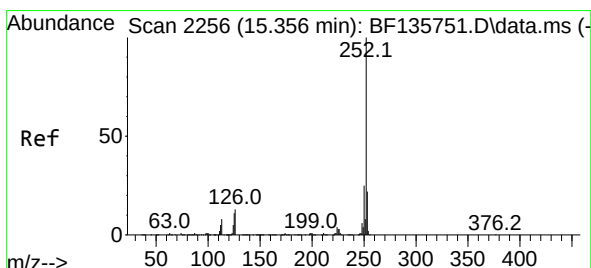
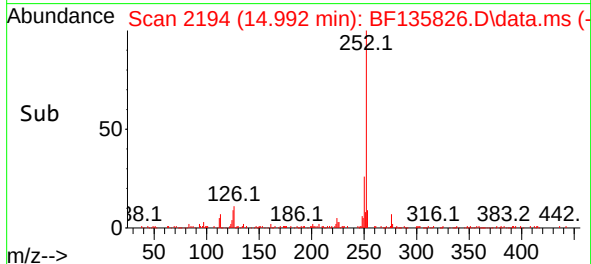
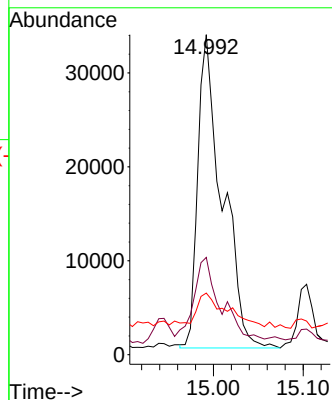
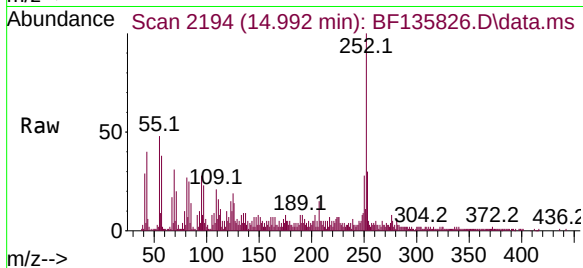
Tgt Ion:252 Resp: 62780

Ion Ratio Lower Upper

252 100

253 30.4 17.4 26.0#

125 19.2 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.417 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

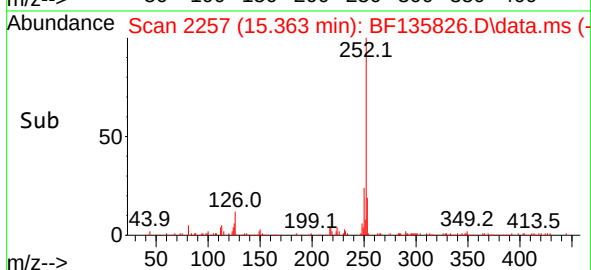
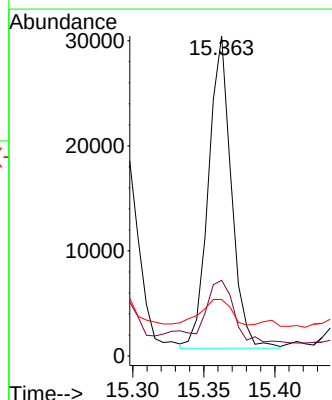
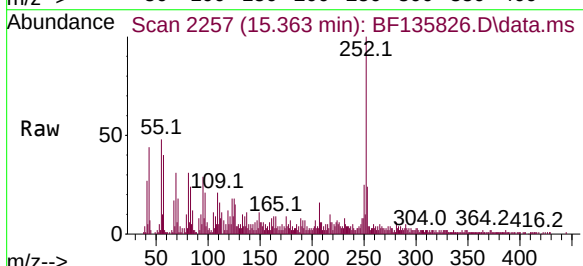
Tgt Ion:252 Resp: 33257

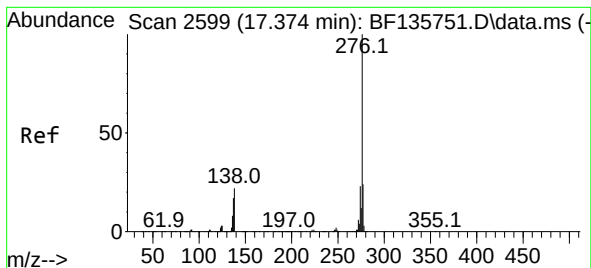
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 17.6 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.635 ng

RT: 17.410 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF135826.D

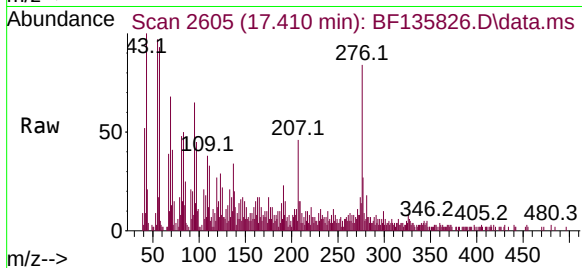
Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A



Tgt Ion:276 Resp: 17301

Ion Ratio Lower Upper

276 100

277 31.8 19.4 29.2#

138 23.6 17.3 25.9

