

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135828.D
 Acq On : 17 Oct 2023 23:35
 Operator : CG\JU
 Sample : 04892-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-10132023-A

Quant Time: Oct 18 02:04:18 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)

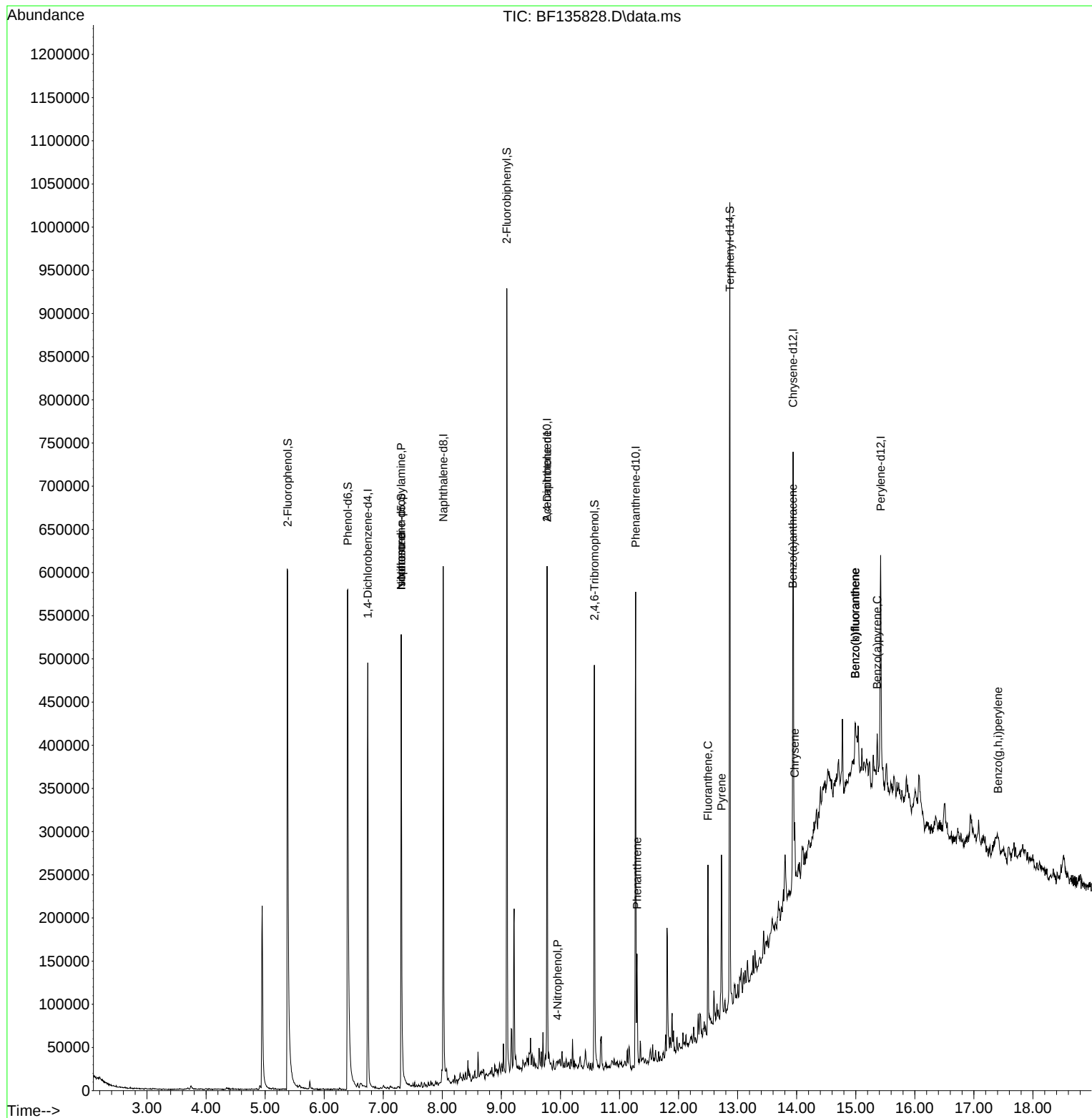
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	76455	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	250410	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	100905	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	197816	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	162714	20.000	ng	-0.01
86) Perylene-d12	15.421	264	126029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	248059	52.164	ng	0.00
7) Phenol-d6	6.398	99	284996	48.032	ng	0.00
23) Nitrobenzene-d5	7.304	82	169447	37.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	55885	57.717	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	264339	40.959	ng	-0.01
79) Terphenyl-d14	12.869	244	318696	36.272	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	21441	5.844	ng	# 80
25) Isophorone	7.304	82	169461	19.729	ng	# 66
56) 4-Nitrophenol	9.951	139	80	5.583	ng	# 1
57) 2,4-Dinitrotoluene	9.775	165	12482	6.698	ng	# 24
71) Phenanthrene	11.298	178	44234	4.668	ng	99
75) Fluoranthene	12.498	202	74311	7.065	ng	96
78) Pyrene	12.727	202	77753	6.013	ng	99
81) Benzo(a)anthracene	13.933	228	30868	2.888	ng	98
83) Chrysene	13.968	228	30848	2.980	ng	94
88) Benzo(b)fluoranthene	14.992	252	39433	5.591	ng	# 85
89) Benzo(k)fluoranthene	14.992	252	39433	5.758	ng	# 83
90) Benzo(a)pyrene	15.363	252	20616	3.108	ng	# 81
92) Benzo(g,h,i)perylene	17.409	276	12733	2.202	ng	# 92

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

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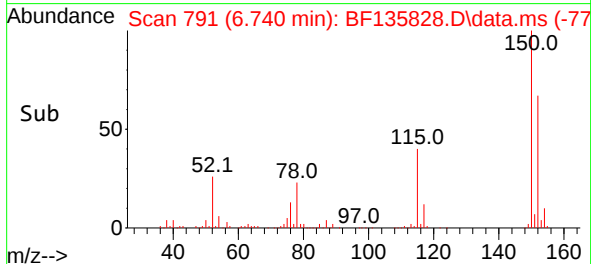
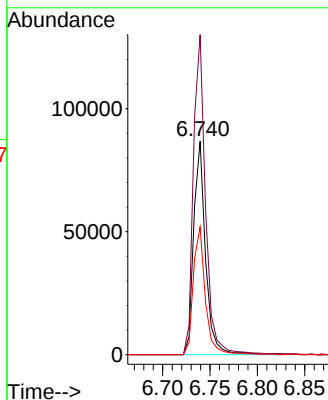
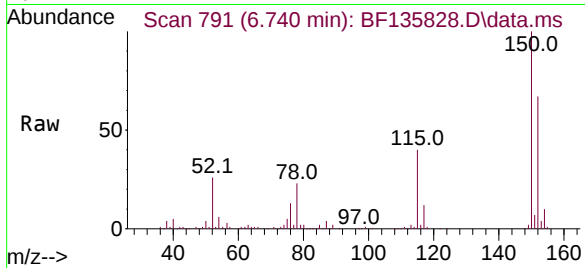




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135828.D
 Acq: 17 Oct 2023 23:35

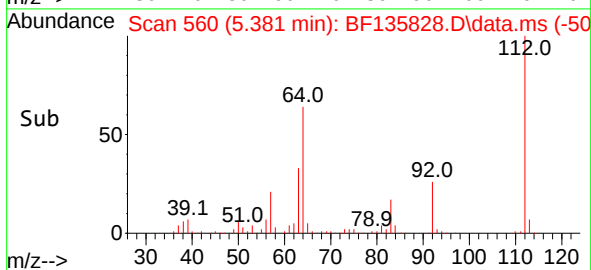
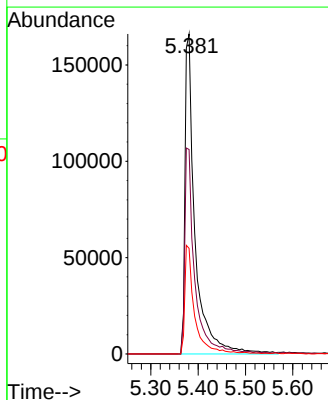
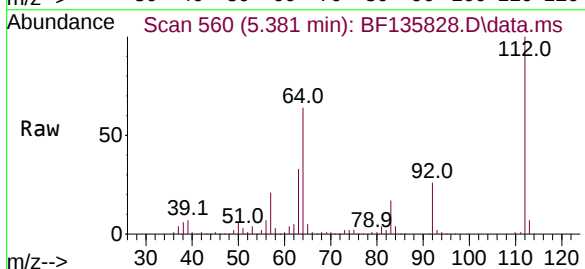
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-10132023-A

Tgt Ion:152 Resp: 76455
 Ion Ratio Lower Upper
 152 100
 150 149.9 124.5 186.7
 115 59.9 49.0 73.4



#5
 2-Fluorophenol
 Concen: 52.164 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135828.D
 Acq: 17 Oct 2023 23:35

Tgt Ion:112 Resp: 248059
 Ion Ratio Lower Upper
 112 100
 64 63.9 51.2 76.8
 63 33.0 26.1 39.1

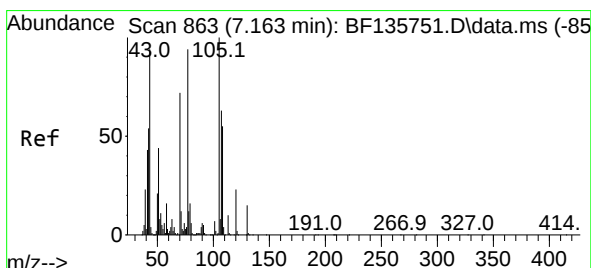
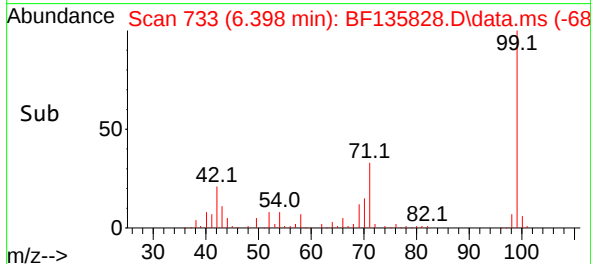
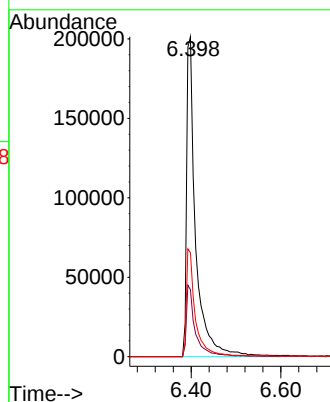
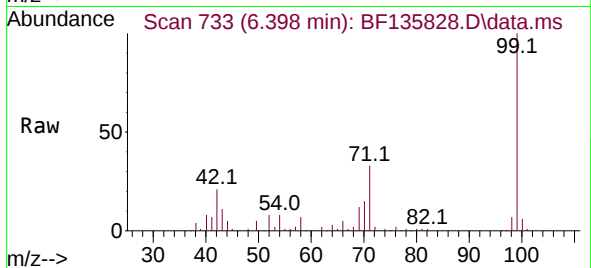




#7
Phenol-d6
Concen: 48.032 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

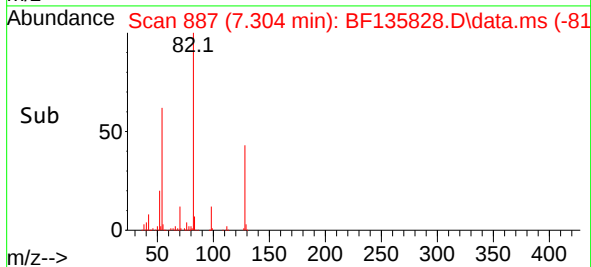
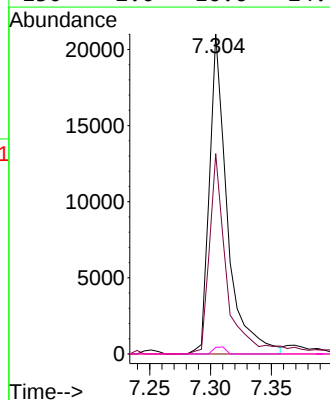
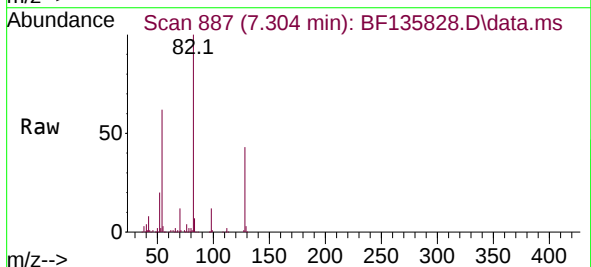
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BNA_F
ClientSampleId :
EO-02-10132023-A

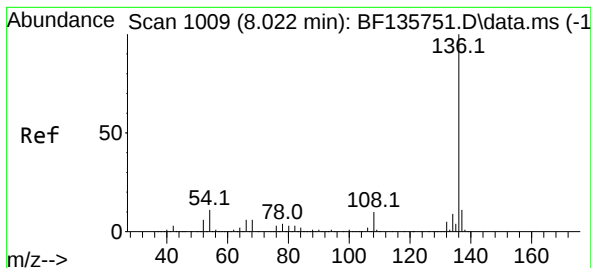
Tgt Ion: 99 Resp: 284996
Ion Ratio Lower Upper
99 100
42 20.9 18.4 27.6
71 32.5 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 5.844 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion: 70 Resp: 21441
Ion Ratio Lower Upper
70 100
42 62.6 59.8 89.6
101 0.0 7.4 11.2#
130 2.0 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: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

Tgt Ion:136 Resp: 250410

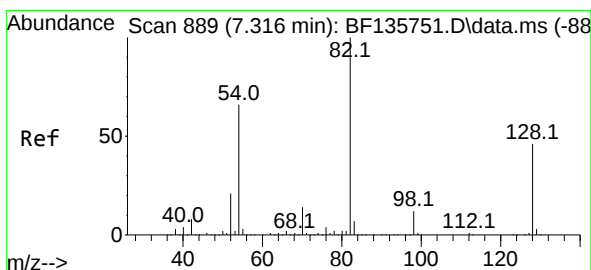
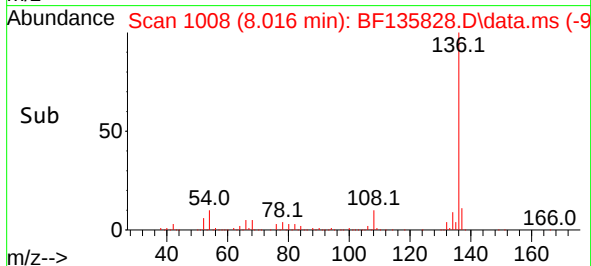
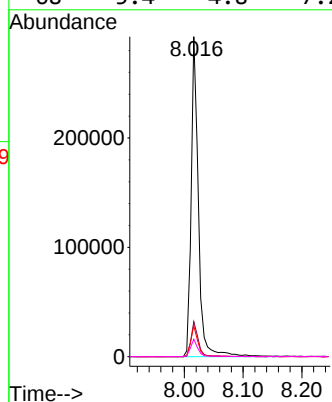
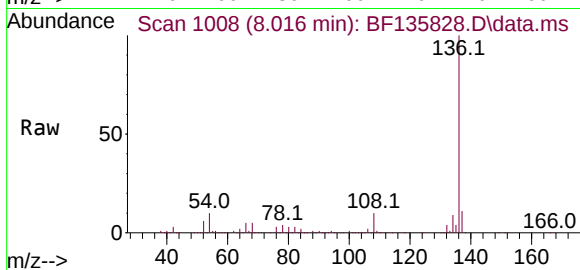
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.6 8.5 12.7

68 5.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 37.217 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

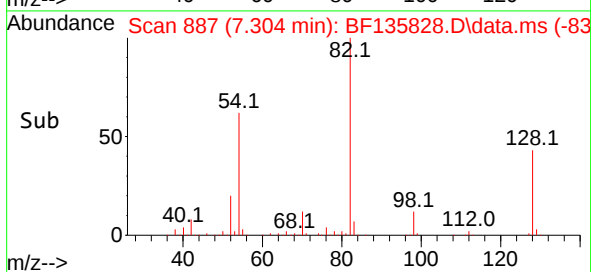
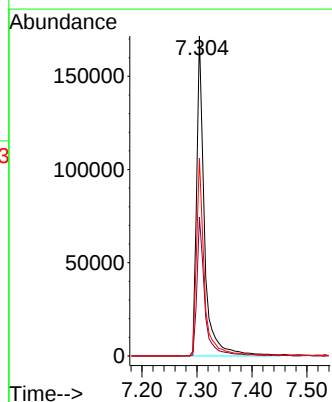
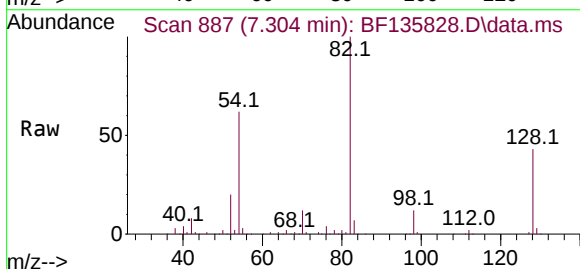
Tgt Ion: 82 Resp: 169447

Ion Ratio Lower Upper

82 100

128 43.3 37.0 55.6

54 61.8 52.8 79.2

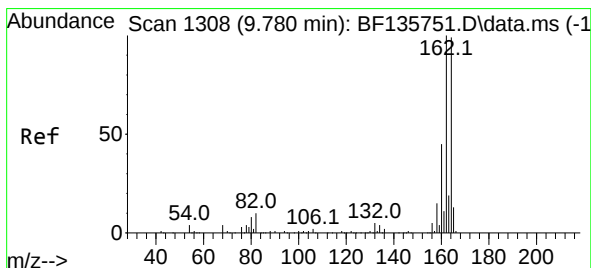
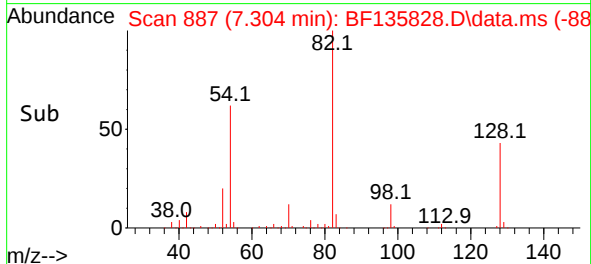
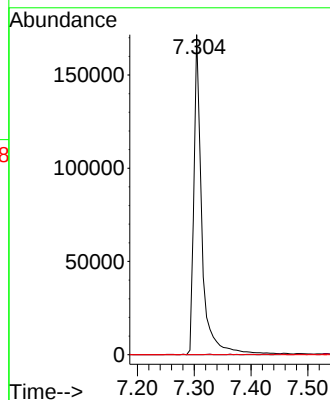
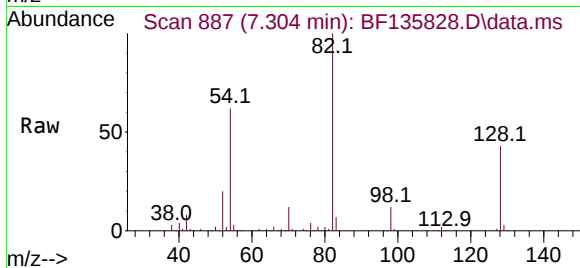




#25
Isophorone
Concen: 19.729 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

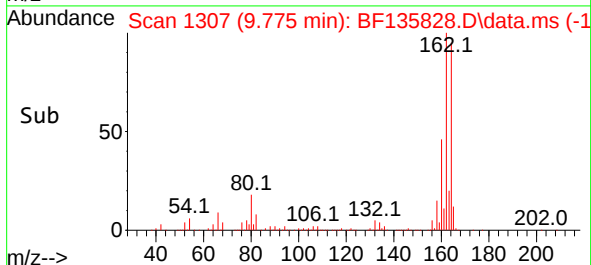
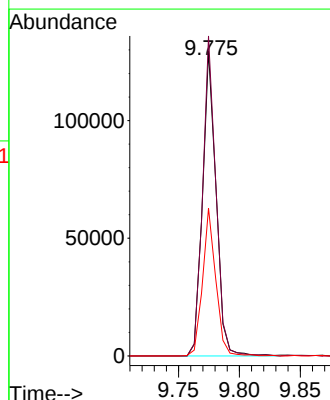
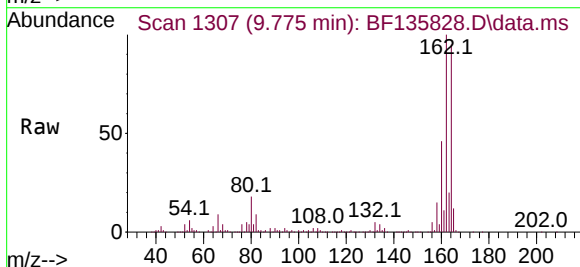
Instrument :
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EO-02-10132023-A

Tgt Ion: 82 Resp: 169461
Ion Ratio Lower Upper
82 100
95 0.0 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: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion:164 Resp: 100905
Ion Ratio Lower Upper
164 100
162 105.1 80.8 121.2
160 48.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 57.717 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135828.D

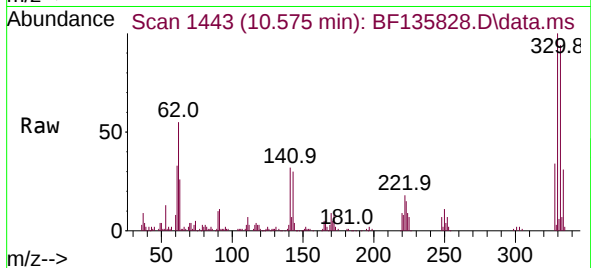
Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A



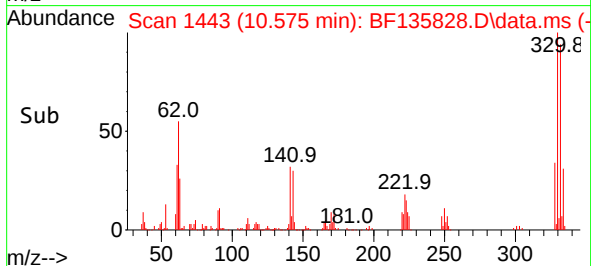
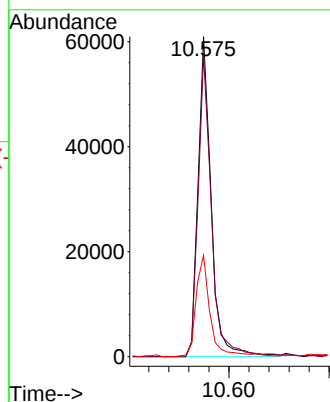
Tgt Ion:330 Resp: 55885

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.4

141 34.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 40.959 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

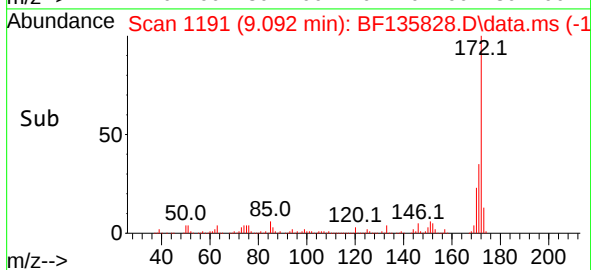
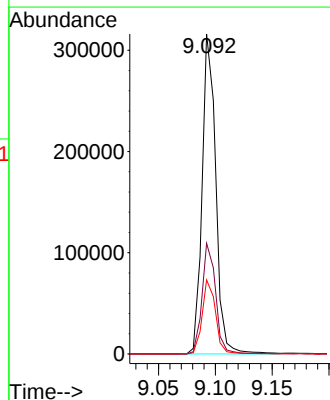
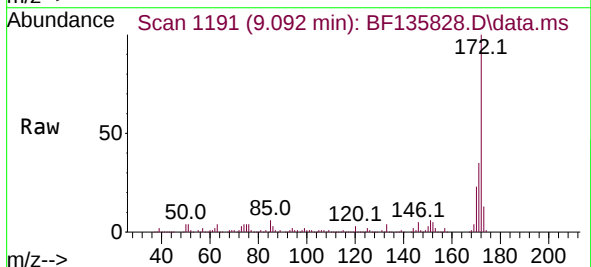
Tgt Ion:172 Resp: 264339

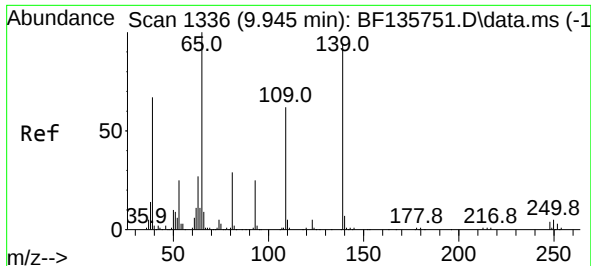
Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.2 18.8 28.2

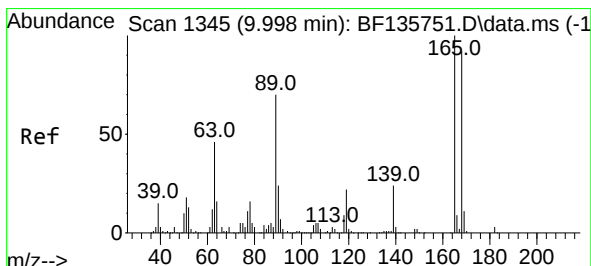
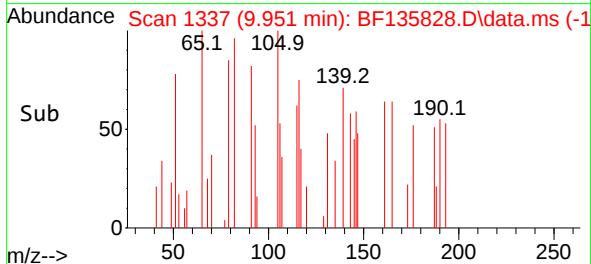
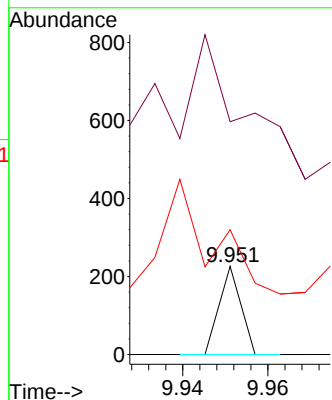
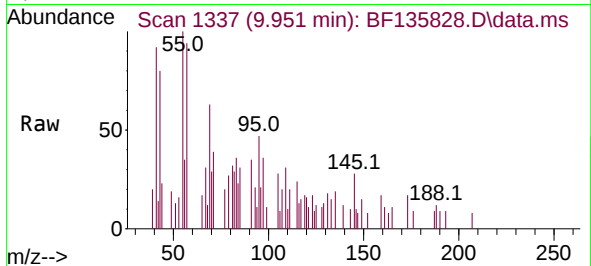




#56
4-Nitrophenol
Concen: 5.583 ng
RT: 9.951 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

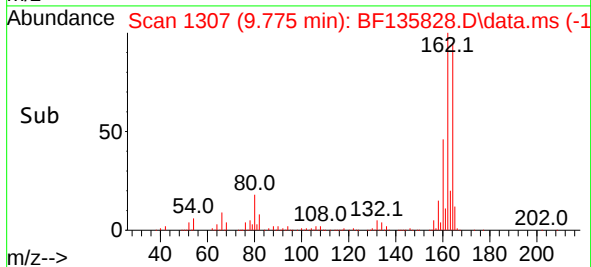
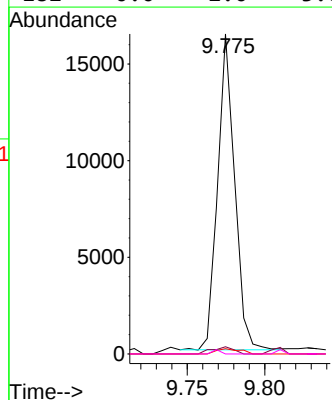
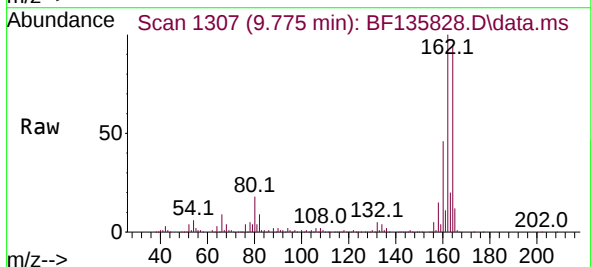
Instrument :
BNA_F
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EO-02-10132023-A

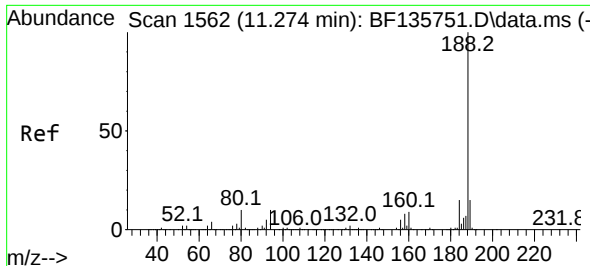
Tgt Ion:139 Resp: 80
Ion Ratio Lower Upper
139 100
109 264.2 45.6 85.6#
65 141.6 87.5 127.5#



#57
2,4-Dinitrotoluene
Concen: 6.698 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.229 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion:165 Resp: 12482
Ion Ratio Lower Upper
165 100
63 2.2 39.0 58.4#
89 1.7 55.9 83.9#
182 0.0 2.0 3.0#

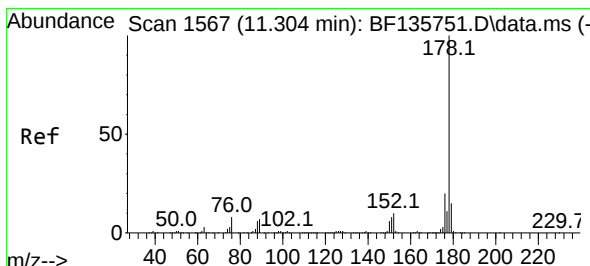
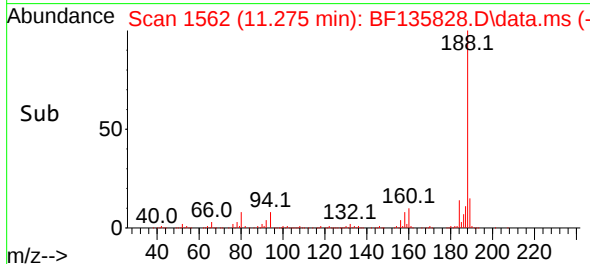
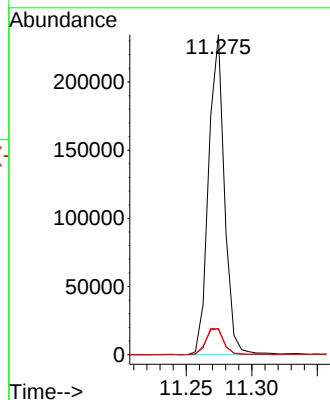
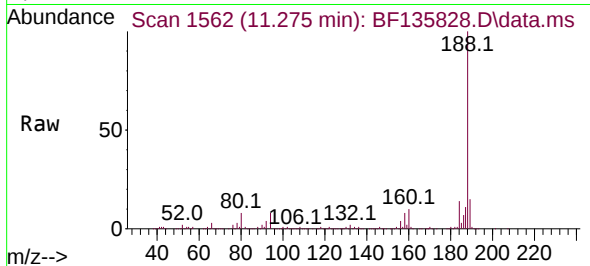




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

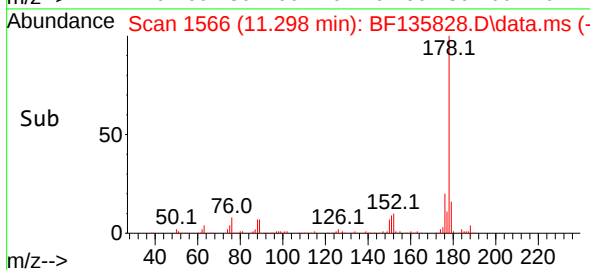
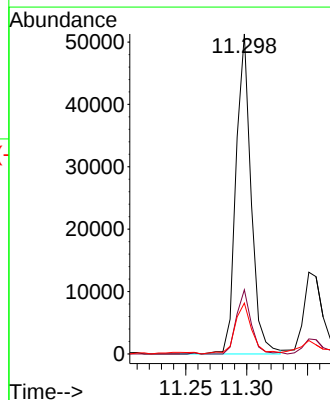
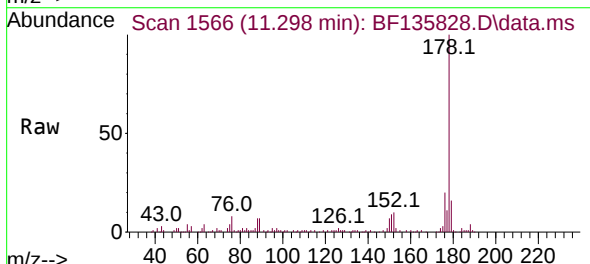
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A

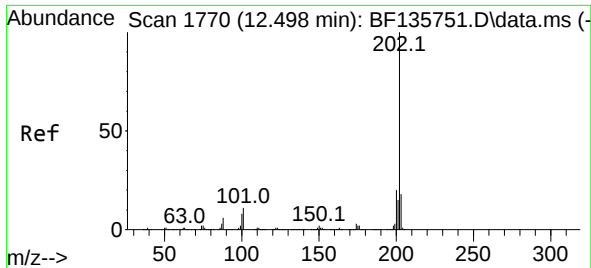
Tgt Ion:188 Resp: 197816
Ion Ratio Lower Upper
188 100
94 8.2 8.0 12.0
80 8.0 8.3 12.5#



#71
Phenanthrene
Concen: 4.668 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion:178 Resp: 44234
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.9 12.2 18.4

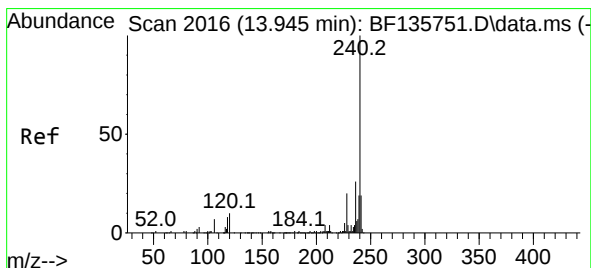
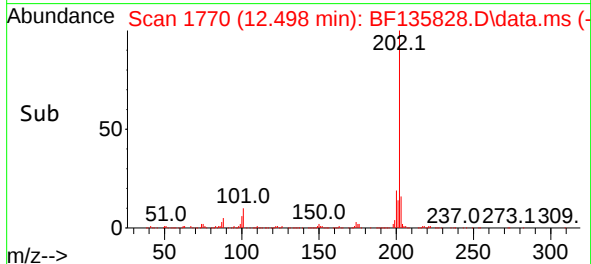
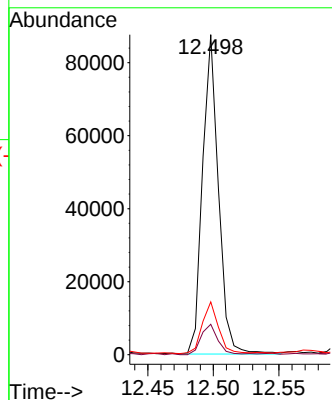
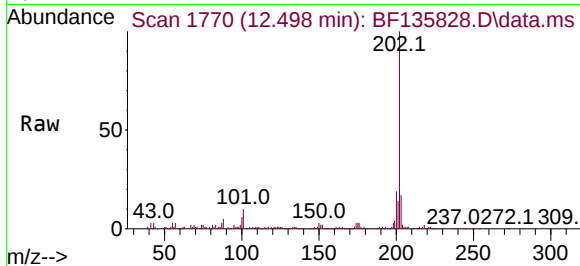




#75
Fluoranthene
Concen: 7.065 ng
RT: 12.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

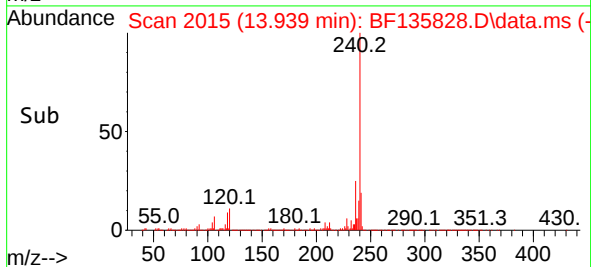
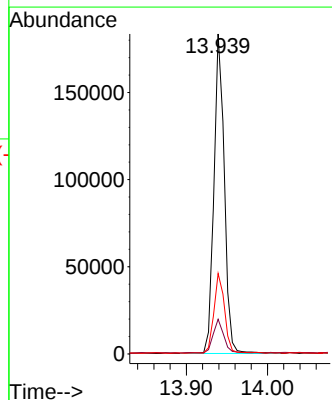
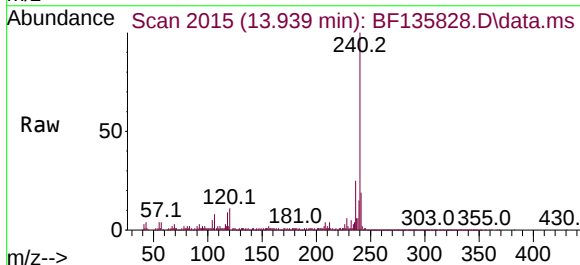
Instrument :
BNA_F
ClientSampleId :
EO-02-10132023-A

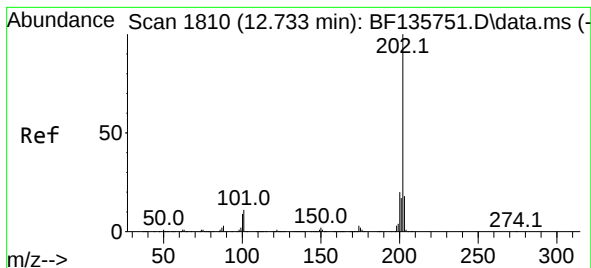
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.5
203	16.5	0.0	38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135828.D
Acq: 17 Oct 2023 23:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.2	12.2
236	25.1	21.2	31.8





#78

Pyrene

Concen: 6.013 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

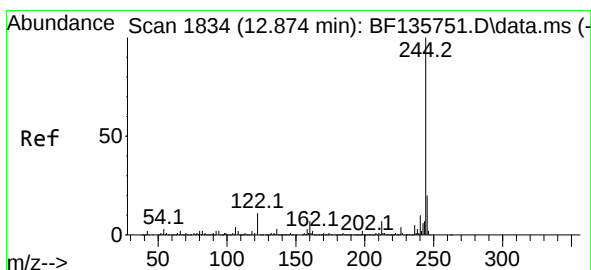
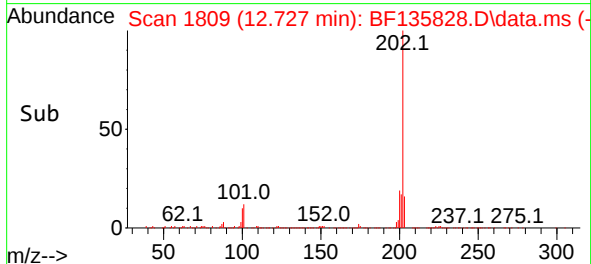
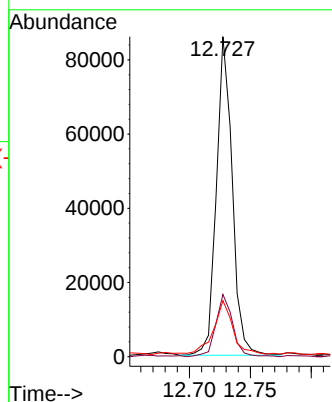
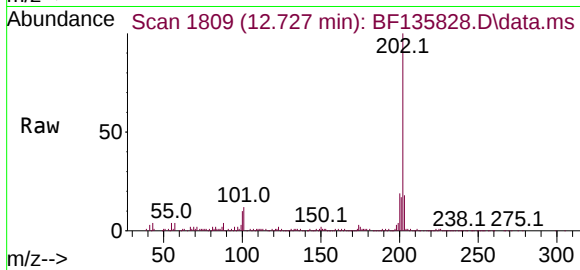
Tgt Ion:202 Resp: 77753

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.5 14.2 21.2



#79

Terphenyl-d14

Concen: 36.272 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

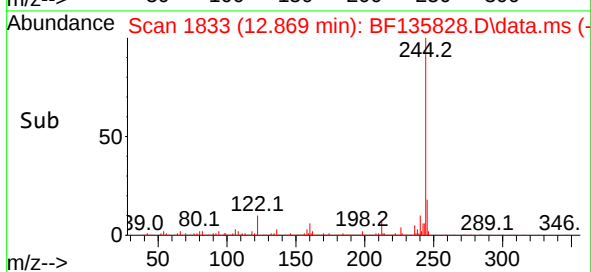
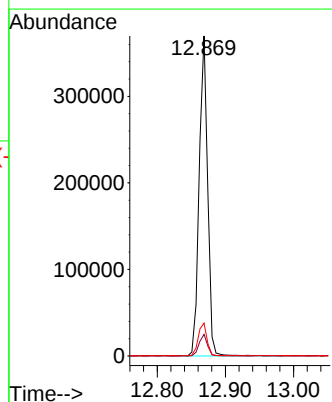
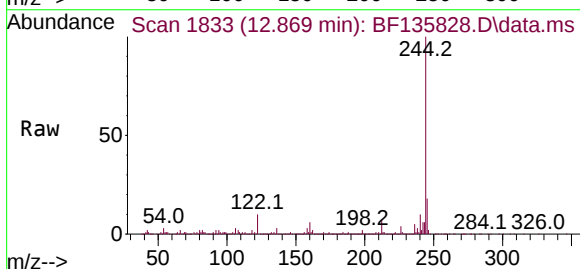
Tgt Ion:244 Resp: 318696

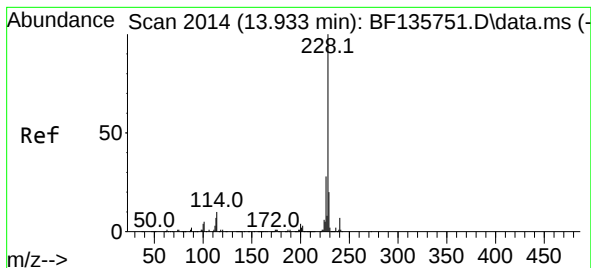
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.3 9.0 13.6





#81

Benzo(a)anthracene

Concen: 2.888 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

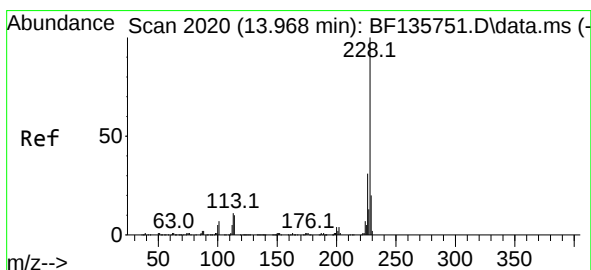
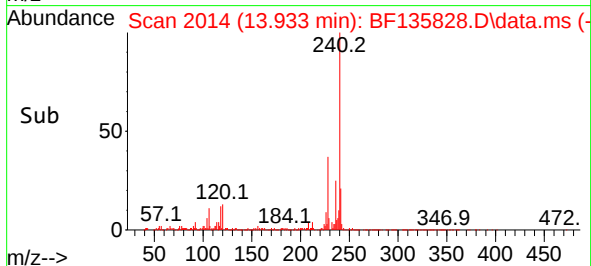
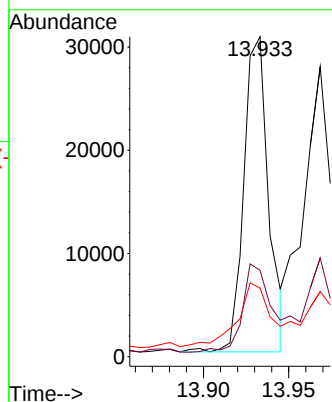
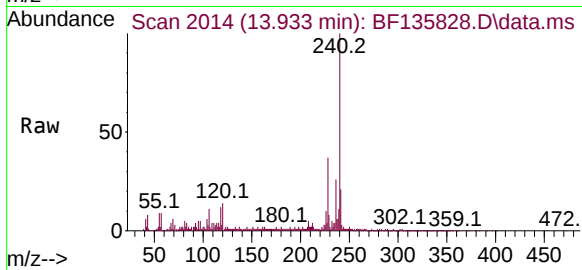
Tgt Ion:228 Resp: 30868

Ion Ratio Lower Upper

228 100

226 27.0 22.2 33.2

229 21.5 16.1 24.1



#83

Chrysene

Concen: 2.980 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

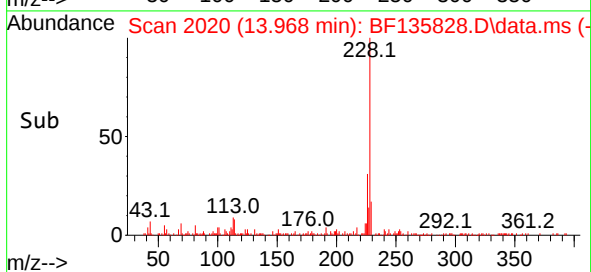
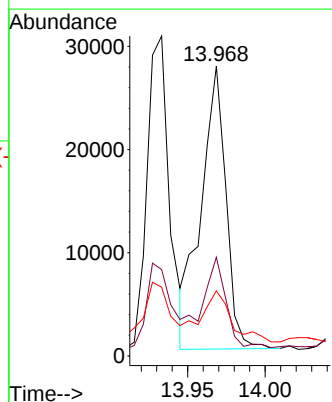
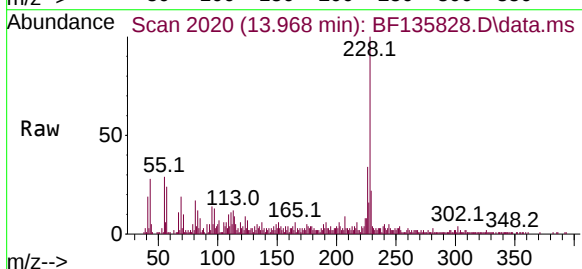
Tgt Ion:228 Resp: 30848

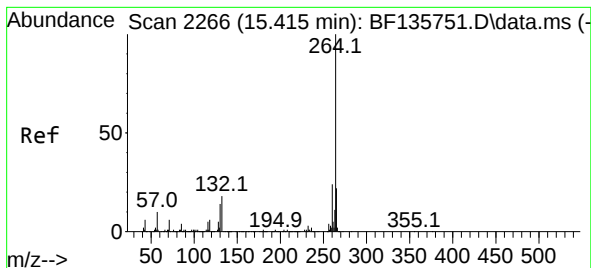
Ion Ratio Lower Upper

228 100

226 34.0 24.4 36.6

229 22.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

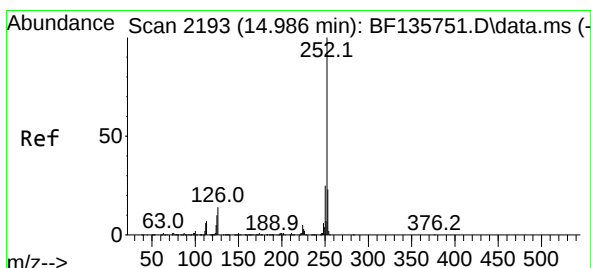
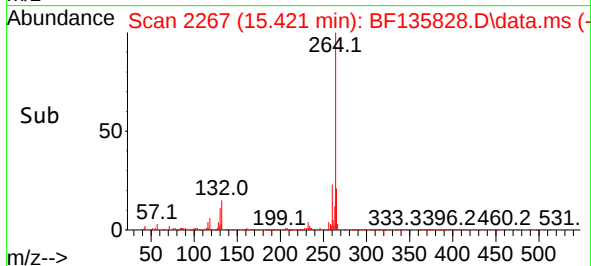
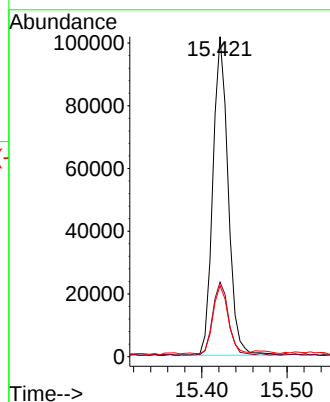
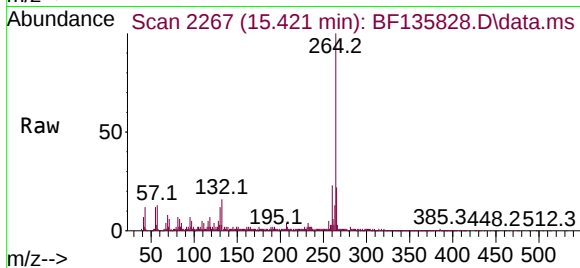
Tgt Ion:264 Resp: 126029

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.2 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 5.591 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

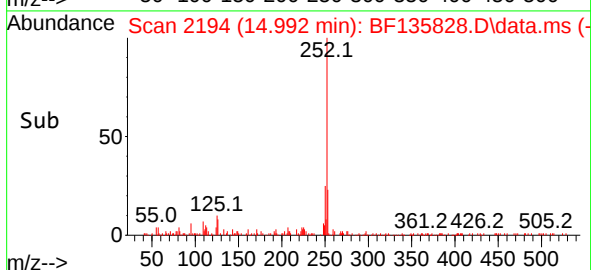
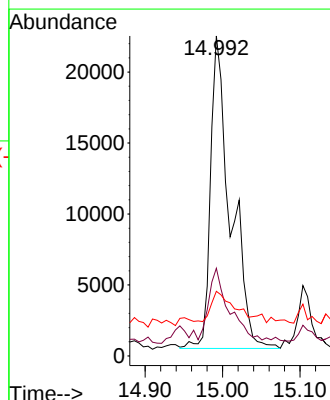
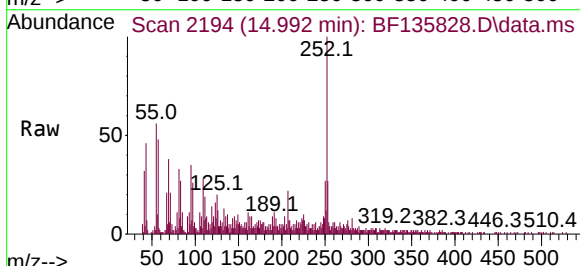
Tgt Ion:252 Resp: 39433

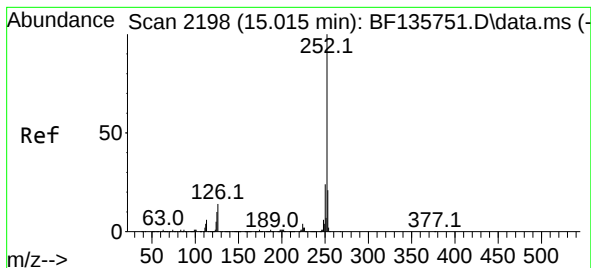
Ion Ratio Lower Upper

252 100

253 27.4 18.2 27.2#

125 20.2 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 5.758 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

Instrument :

BNA_F

ClientSampleId :

EO-02-10132023-A

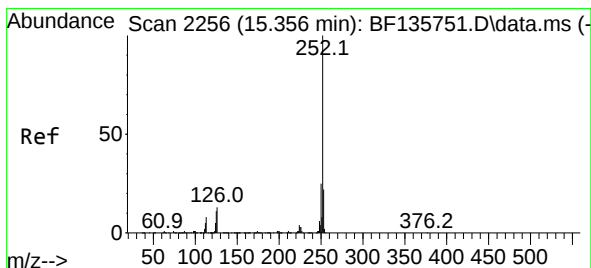
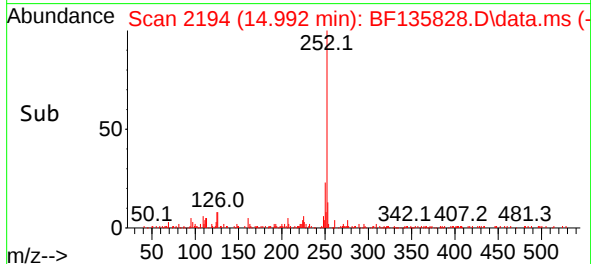
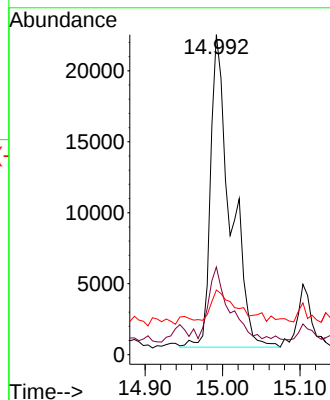
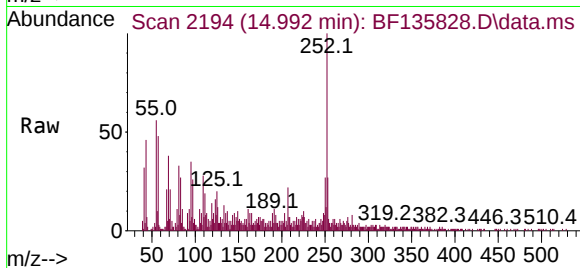
Tgt Ion:252 Resp: 39433

Ion Ratio Lower Upper

252 100

253 27.4 17.4 26.0#

125 20.2 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 3.108 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF135828.D

Acq: 17 Oct 2023 23:35

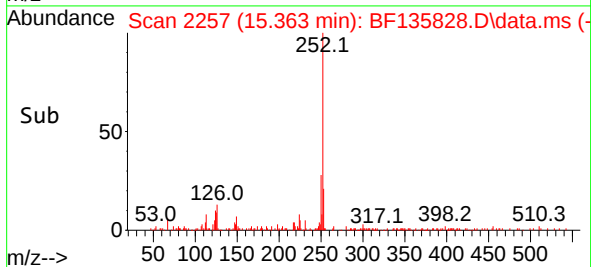
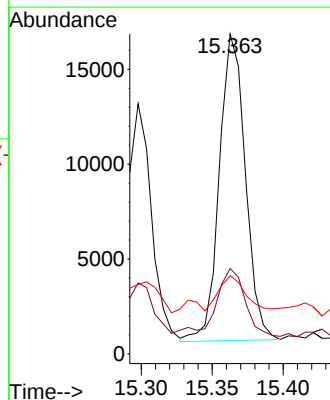
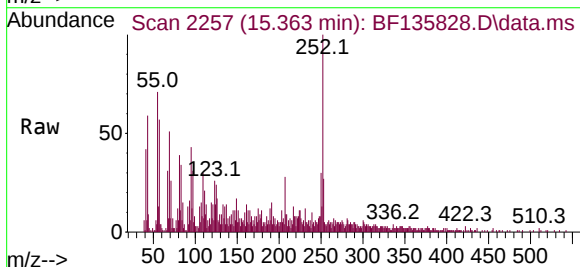
Tgt Ion:252 Resp: 20616

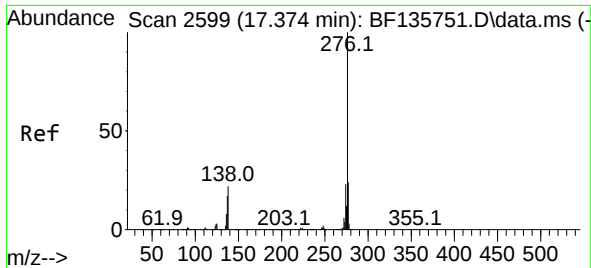
Ion Ratio Lower Upper

252 100

253 26.7 17.4 26.2#

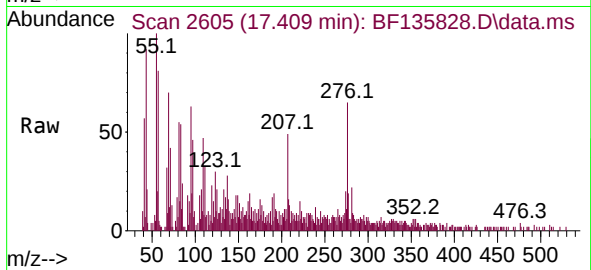
125 24.4 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 2.202 ng
 RT: 17.409 min Scan# 20
 Delta R.T. 0.023 min
 Lab File: BF135828.D
 Acq: 17 Oct 2023 23:35

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-10132023-A



Tgt Ion:	276	Resp:	12733
Ion Ratio	Lower	Upper	
276	100		
277	29.2	19.4	29.2#
138	24.2	17.3	25.9

