

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135827.D
 Acq On : 17 Oct 2023 23:05
 Operator : CG\JU
 Sample : 04892-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 18 02:03:51 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)

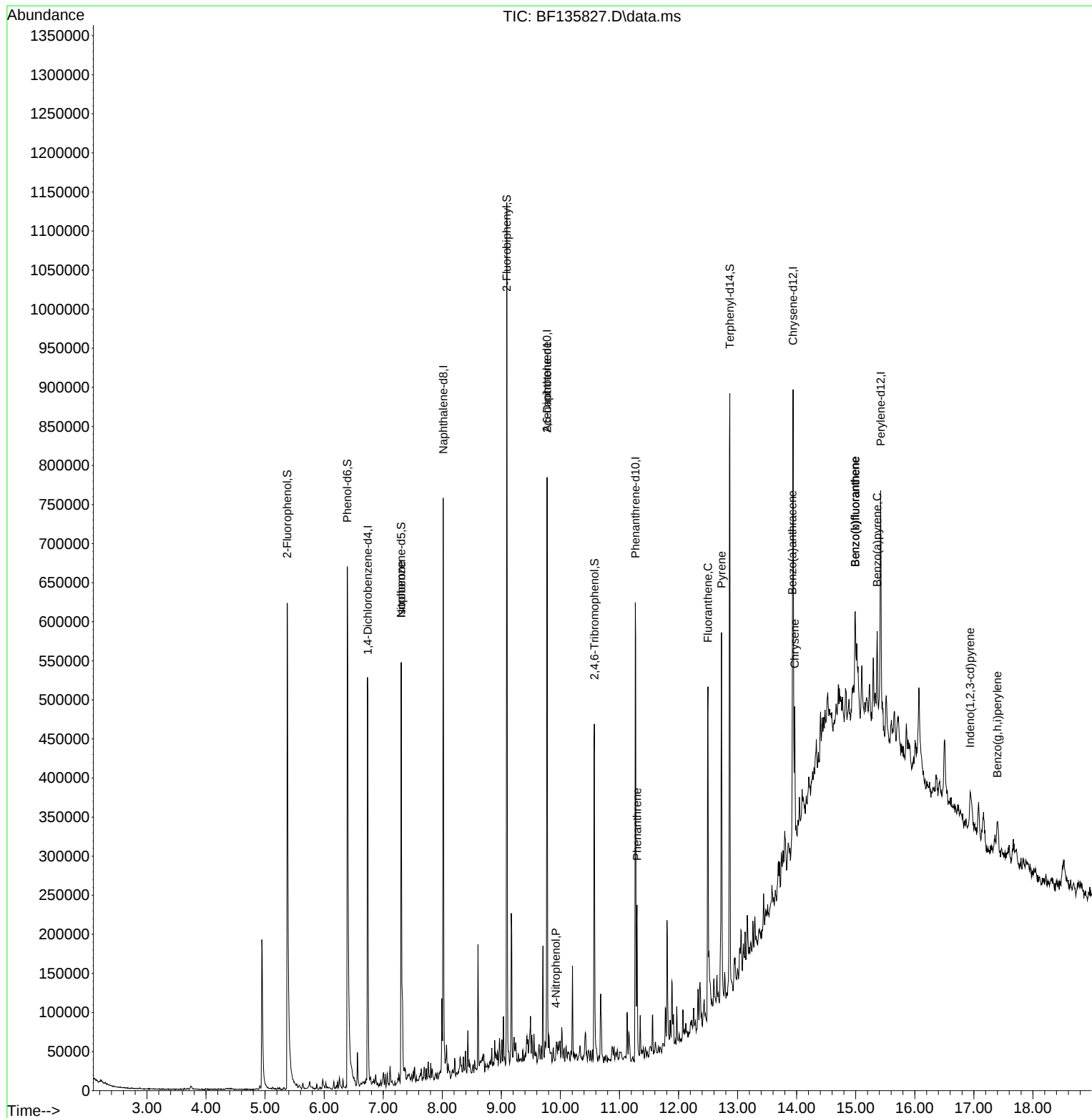
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	83363	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	307042	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	134463	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	226069	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	173792	20.000	ng	-0.01
86) Perylene-d12	15.421	264	140759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	236232	45.560	ng	0.00
7) Phenol-d6	6.393	99	289513	44.750	ng	0.00
23) Nitrobenzene-d5	7.304	82	164316	29.433	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	54781	42.457	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	306439	35.632	ng	-0.01
79) Terphenyl-d14	12.869	244	278625	29.690	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	163891	15.561	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18679	9.569	ng	# 16
56) 4-Nitrophenol	9.922	139	76	5.557	ng	# 1
71) Phenanthrene	11.298	178	73838	6.818	ng	97
75) Fluoranthene	12.498	202	174415	14.511	ng	98
78) Pyrene	12.727	202	191872	13.893	ng	99
81) Benzo(a)anthracene	13.927	228	82733	7.248	ng	97
83) Chrysene	13.969	228	74706	6.757	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	29970	3.908	ng	95
88) Benzo(b)fluoranthene	14.992	252	98733	12.533	ng	# 92
89) Benzo(k)fluoranthene	14.992	252	98733	12.909	ng	# 90
90) Benzo(a)pyrene	15.363	252	53602	7.236	ng	# 91
92) Benzo(g,h,i)perylene	17.398	276	29018	4.493	ng	# 87

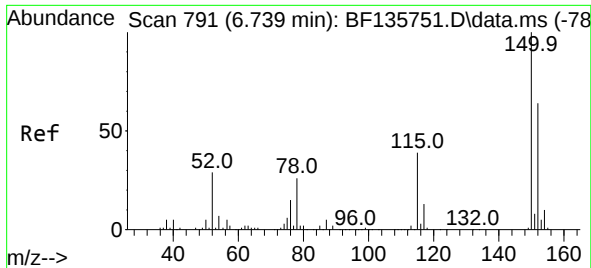
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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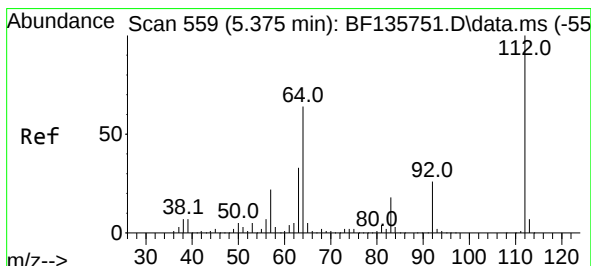
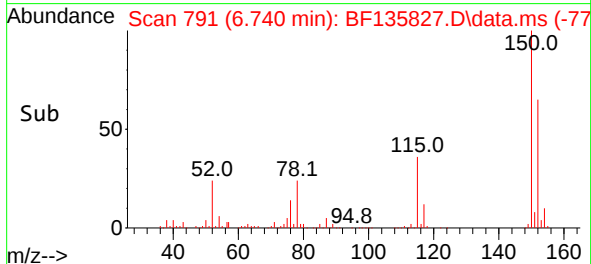
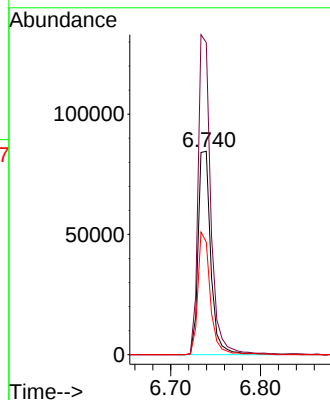
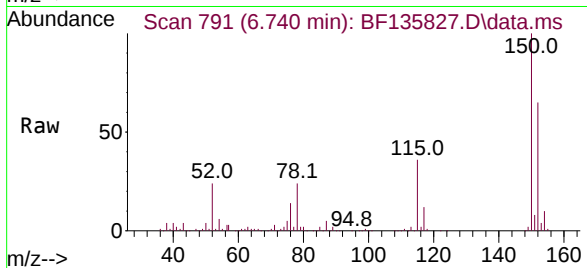




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135827.D
 Acq: 17 Oct 2023 23:05

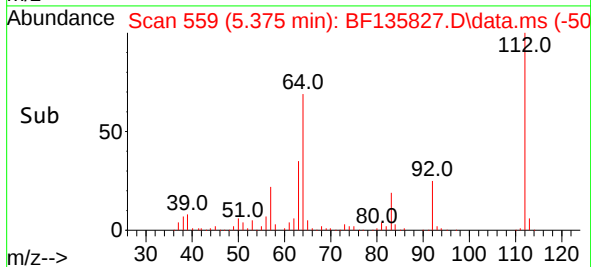
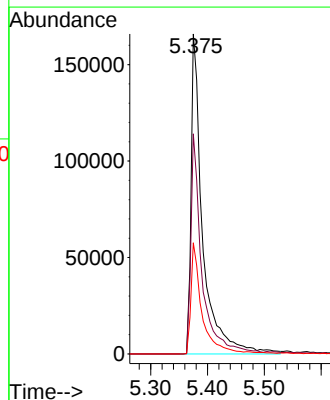
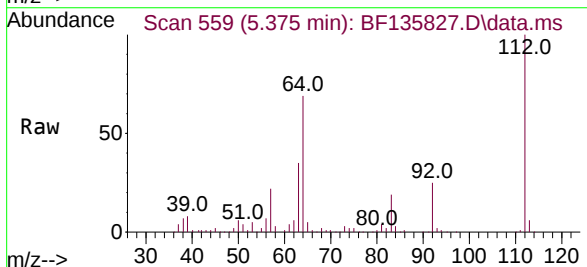
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-10132023-B

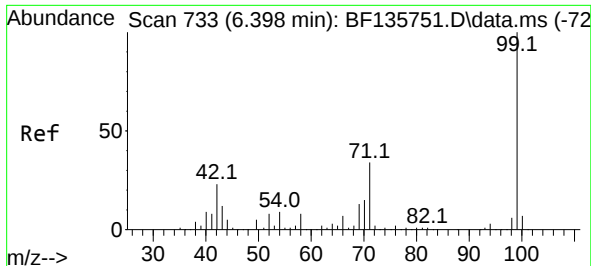
Tgt Ion:152 Resp: 83363
 Ion Ratio Lower Upper
 152 100
 150 153.5 124.5 186.7
 115 55.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 45.560 ng
 RT: 5.375 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: BF135827.D
 Acq: 17 Oct 2023 23:05

Tgt Ion:112 Resp: 236232
 Ion Ratio Lower Upper
 112 100
 64 68.8 51.2 76.8
 63 34.8 26.1 39.1

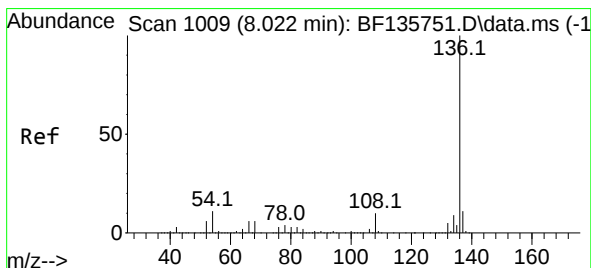
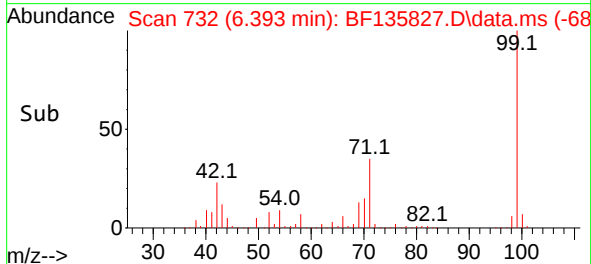
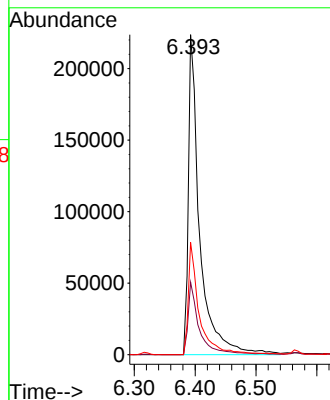
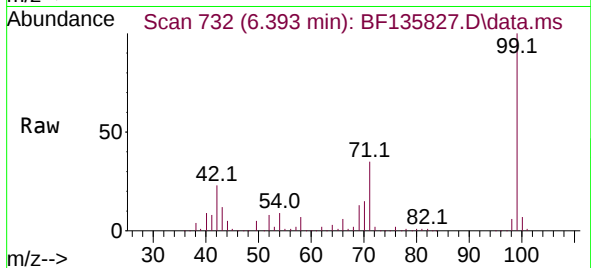




#7
Phenol-d6
Concen: 44.750 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

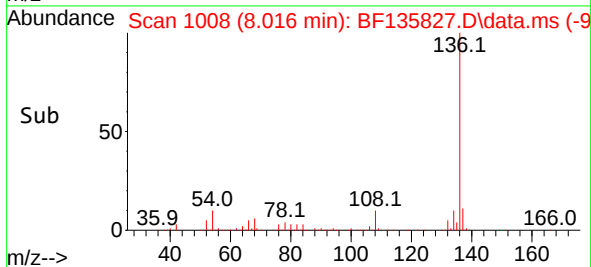
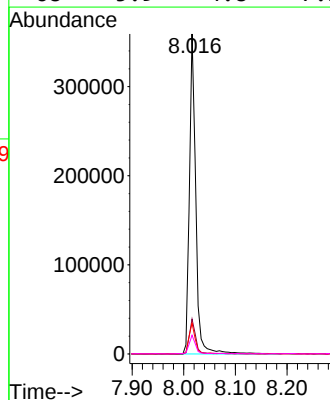
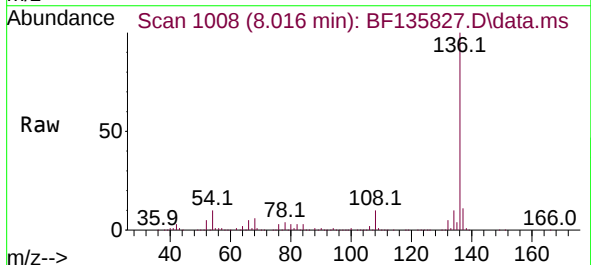
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-B

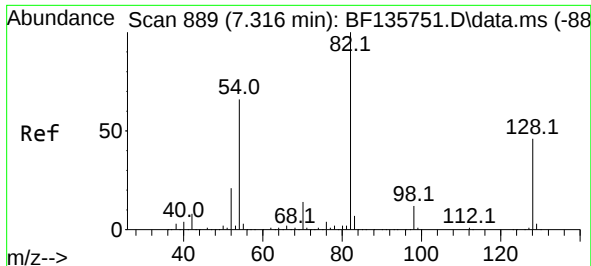
Tgt Ion: 99 Resp: 289513
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 35.1 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion: 136 Resp: 307042
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.6 8.5 12.7
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 29.433 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

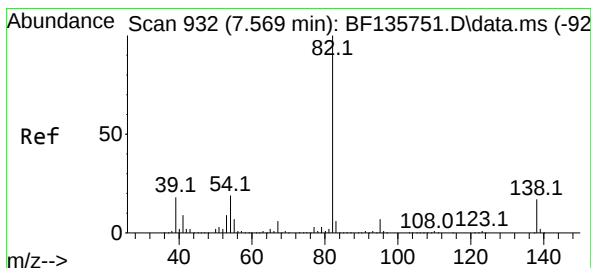
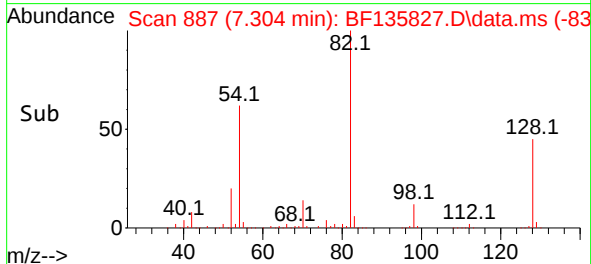
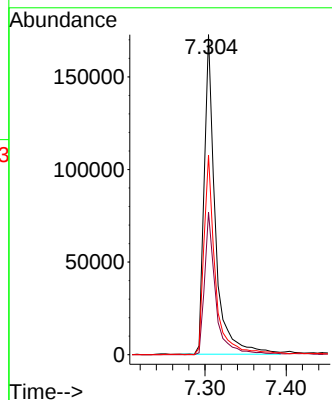
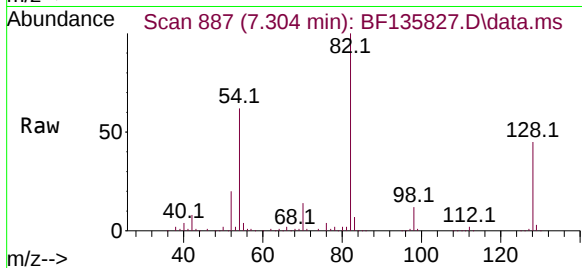
Tgt Ion: 82 Resp: 164316

Ion Ratio Lower Upper

82 100

128 44.6 37.0 55.6

54 62.3 52.8 79.2



#25

Isophorone

Concen: 15.561 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.265 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

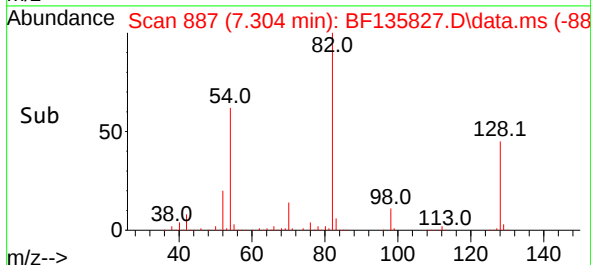
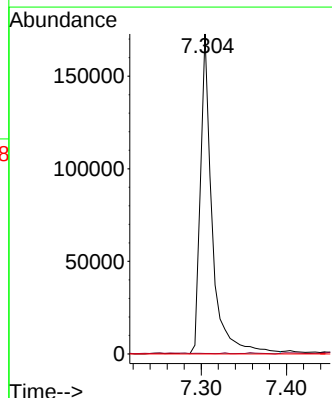
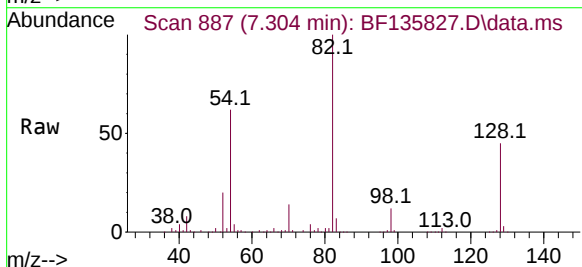
Tgt Ion: 82 Resp: 163891

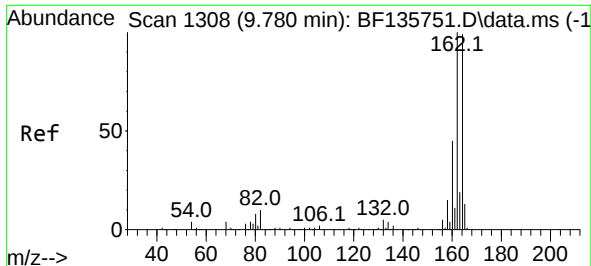
Ion Ratio Lower Upper

82 100

95 0.2 5.5 8.3#

138 0.0 13.9 20.9#

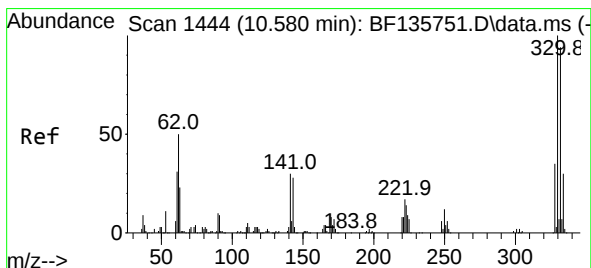
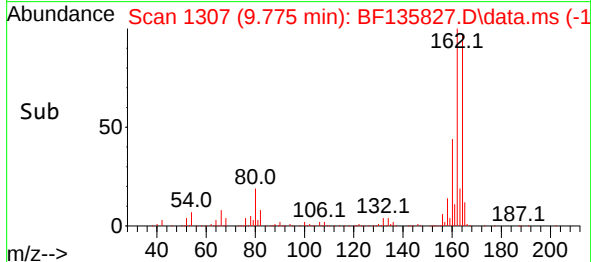
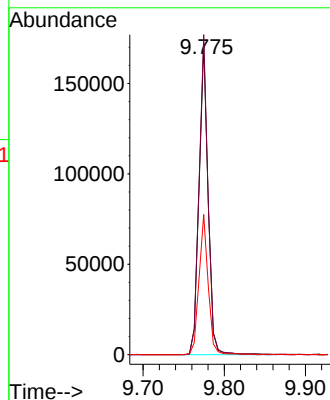
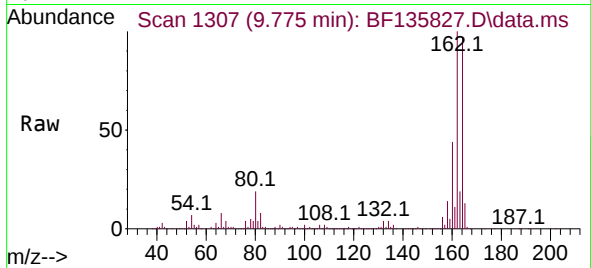




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

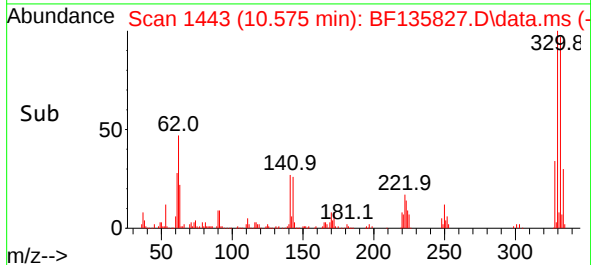
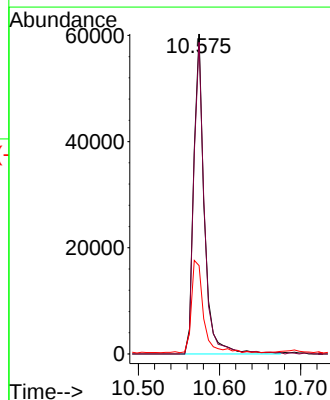
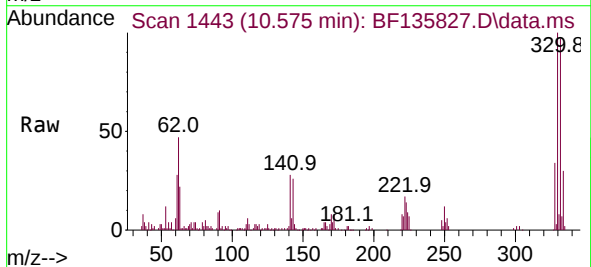
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-B

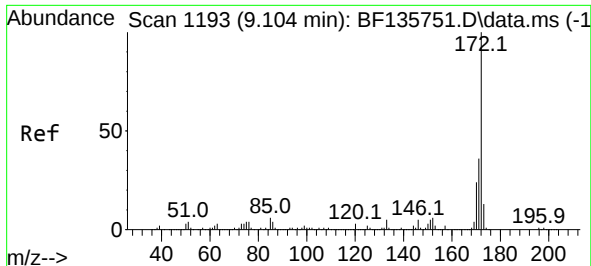
Tgt Ion:164 Resp: 134463
Ion Ratio Lower Upper
164 100
162 102.7 80.8 121.2
160 45.0 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 42.457 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion:330 Resp: 54781
Ion Ratio Lower Upper
330 100
332 96.6 75.0 112.4
141 33.0 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 35.632 ng

RT: 9.092 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

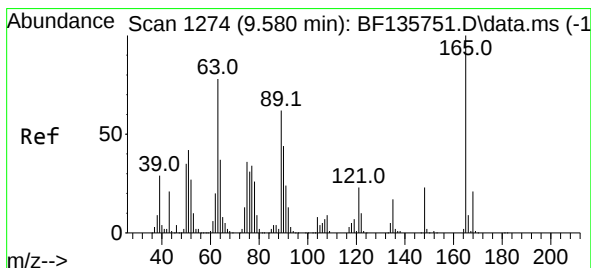
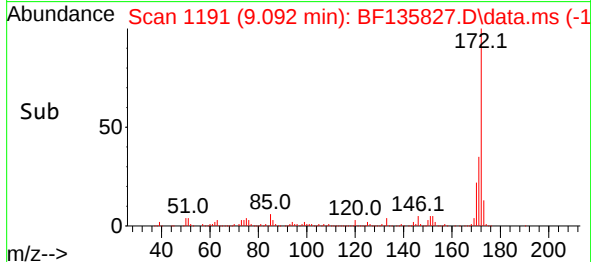
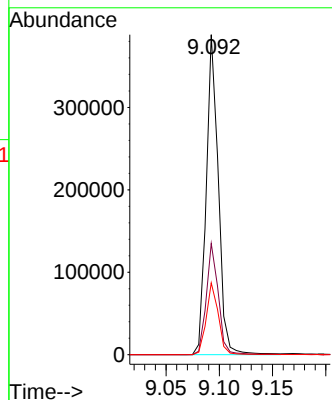
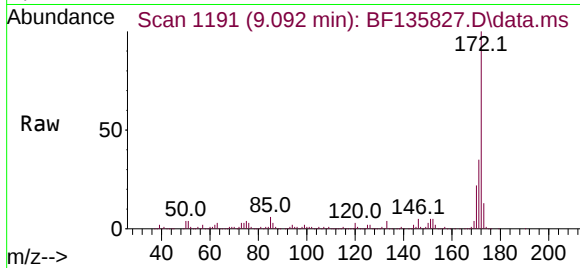
Tgt Ion:172 Resp: 306439

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.5 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.569 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.188 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

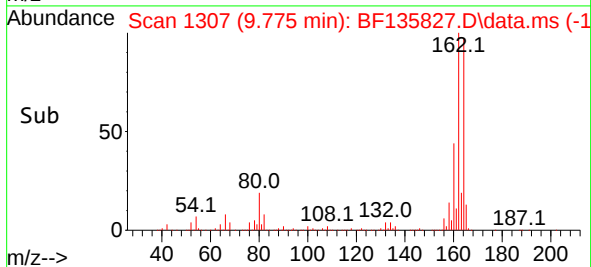
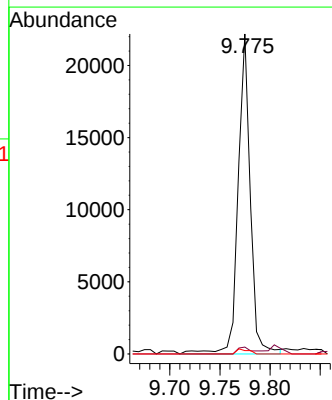
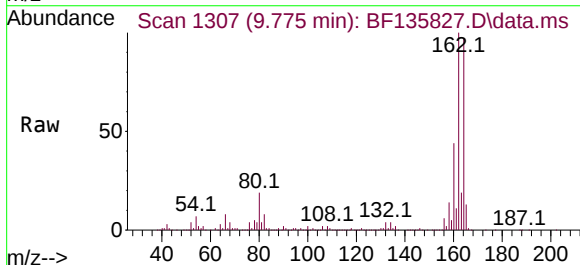
Tgt Ion:165 Resp: 18679

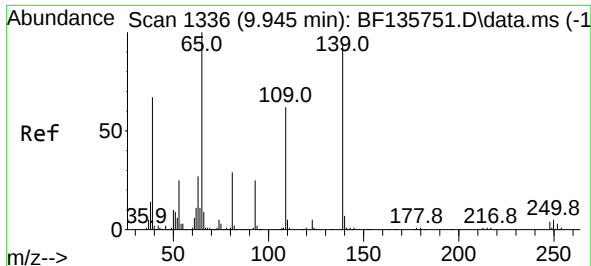
Ion Ratio Lower Upper

165 100

63 2.2 62.2 93.4#

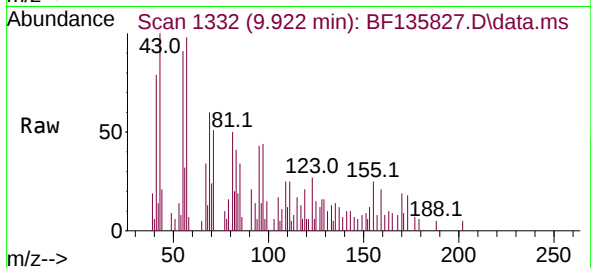
89 1.1 49.6 74.4#



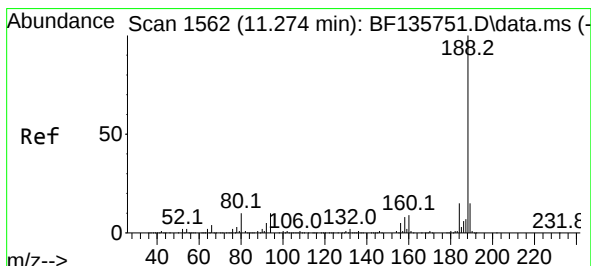
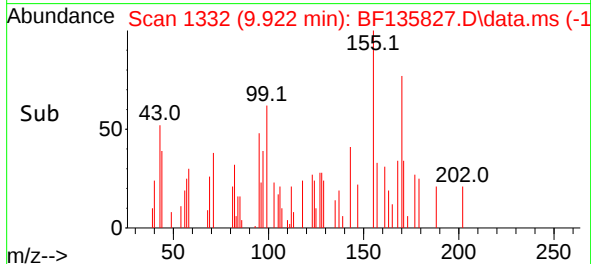
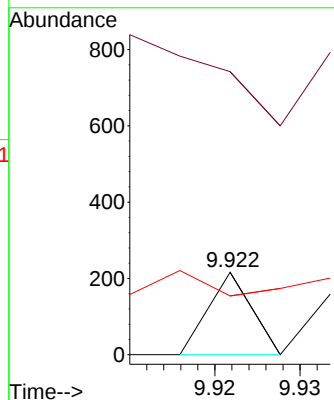


#56
4-Nitrophenol
Concen: 5.557 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

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

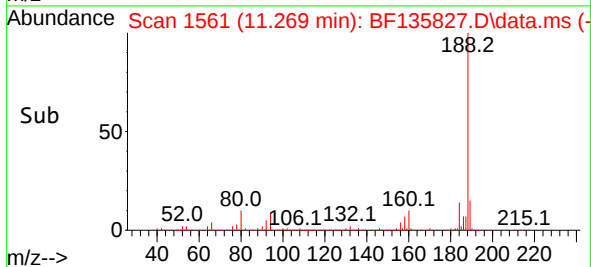
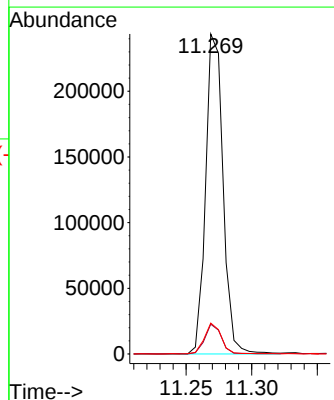
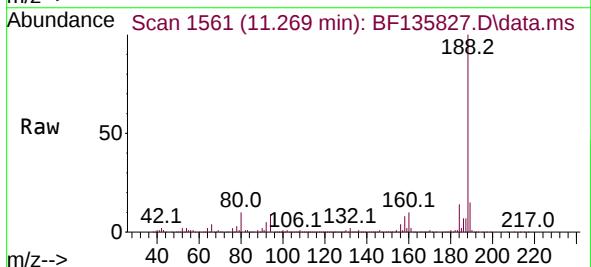


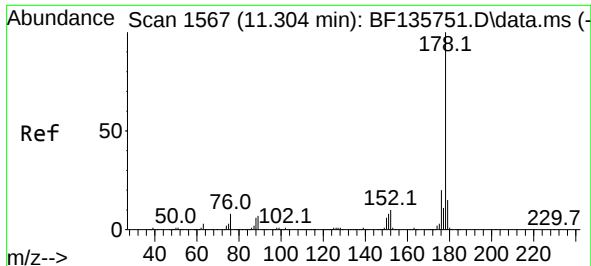
Tgt Ion:139 Resp: 76
Ion Ratio Lower Upper
139 100
109 343.5 45.6 85.6#
65 71.3 87.5 127.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion:188 Resp: 226069
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 9.6 8.3 12.5

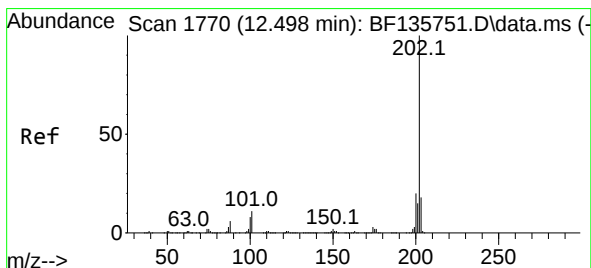
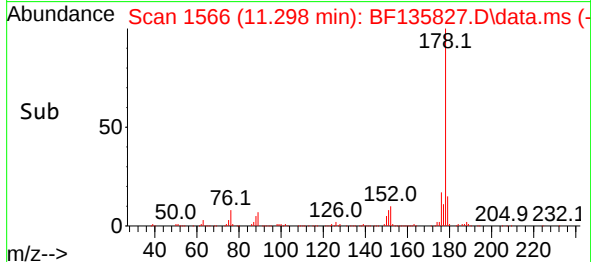
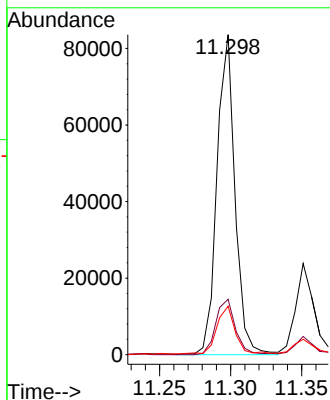
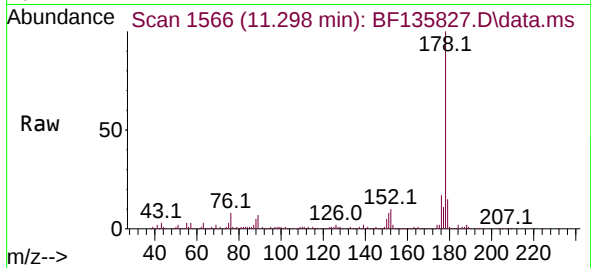




#71
Phenanthrene
Concen: 6.818 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

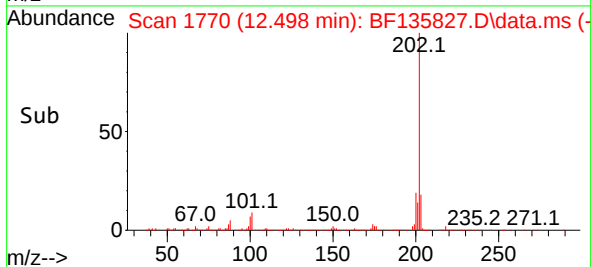
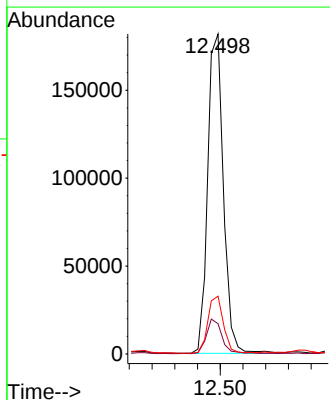
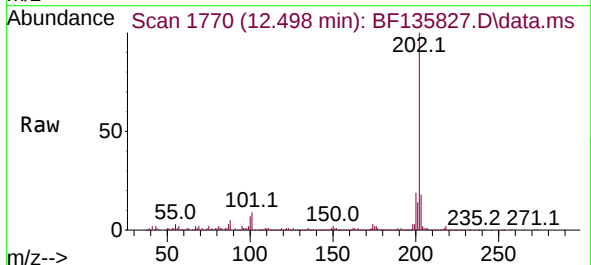
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-B

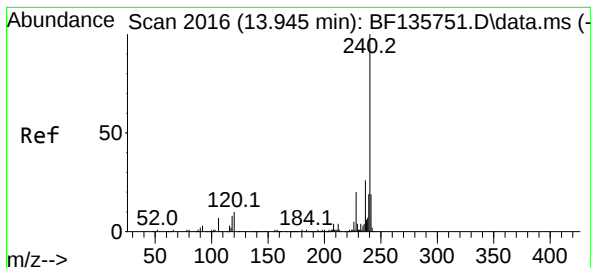
Tgt Ion:178 Resp: 73838
Ion Ratio Lower Upper
178 100
176 17.3 16.0 24.0
179 15.2 12.2 18.4



#75
Fluoranthene
Concen: 14.511 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135827.D
Acq: 17 Oct 2023 23:05

Tgt Ion:202 Resp: 174415
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.5
203 18.1 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: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

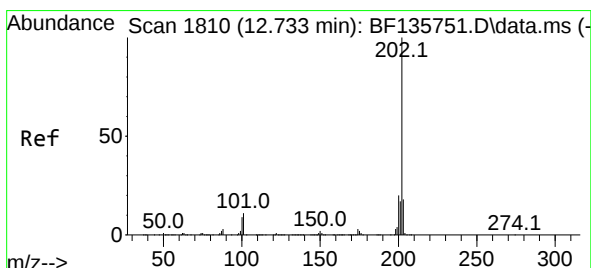
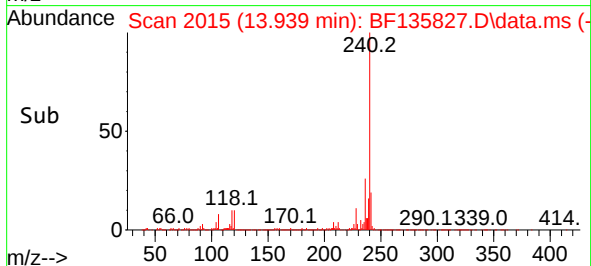
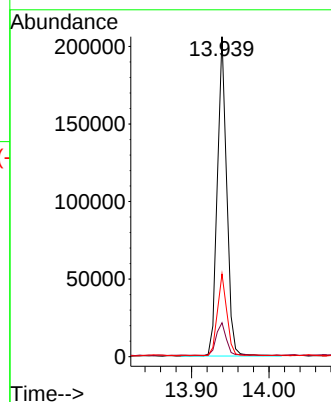
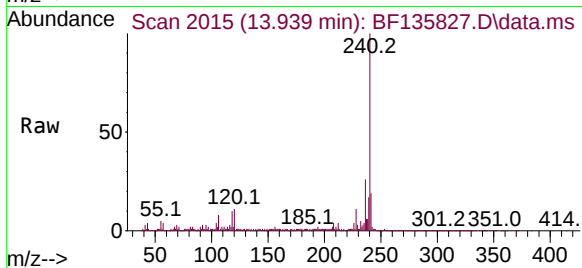
Tgt Ion:240 Resp: 173792

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

236 25.9 21.2 31.8



#78

Pyrene

Concen: 13.893 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

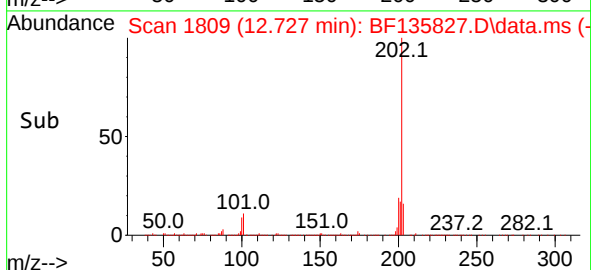
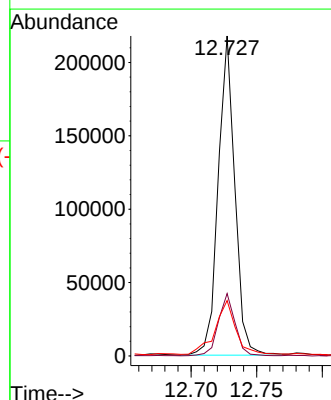
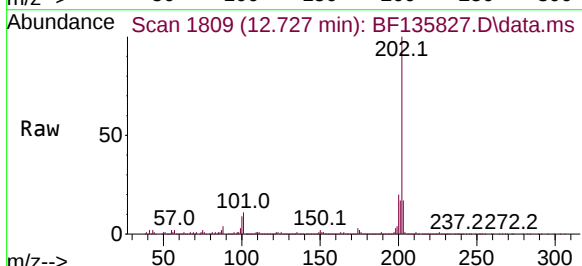
Tgt Ion:202 Resp: 191872

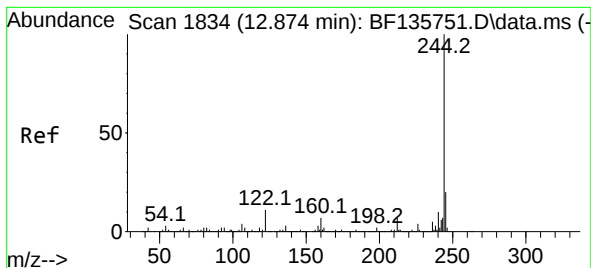
Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 29.690 ng

RT: 12.869 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

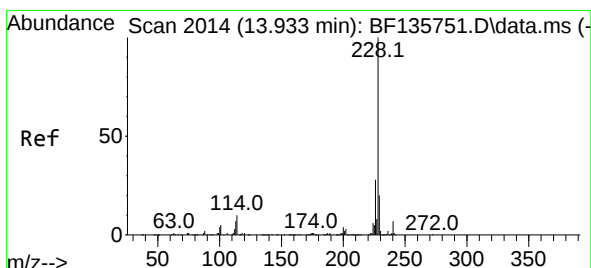
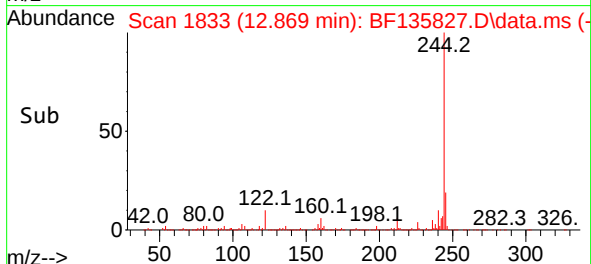
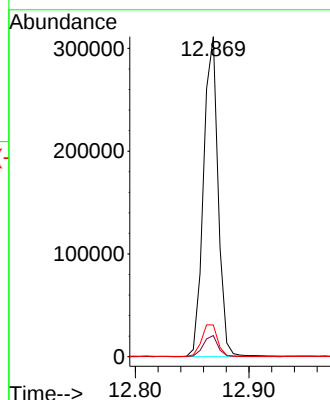
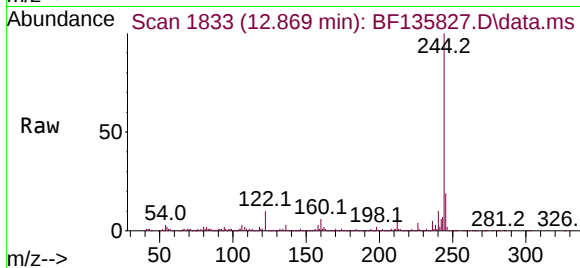
Tgt Ion:244 Resp: 278625

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 9.9 9.0 13.6



#81

Benzo(a)anthracene

Concen: 7.248 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.012 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

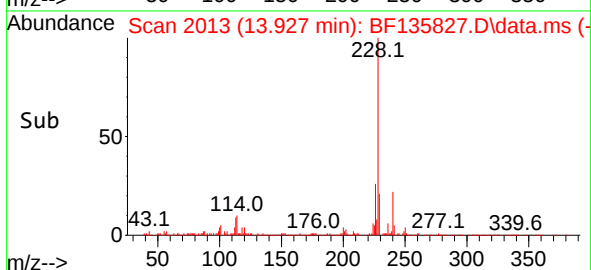
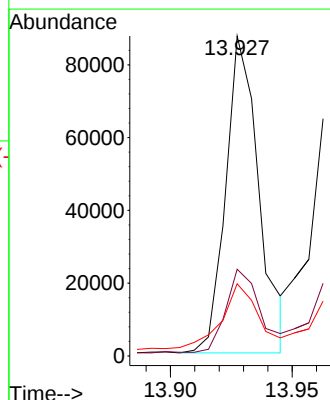
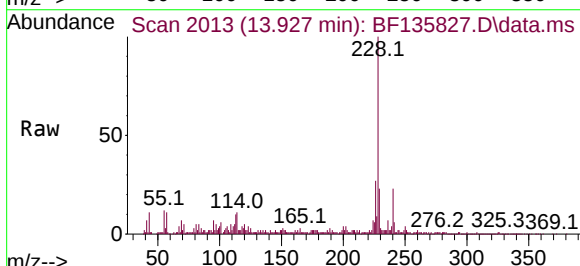
Tgt Ion:228 Resp: 82733

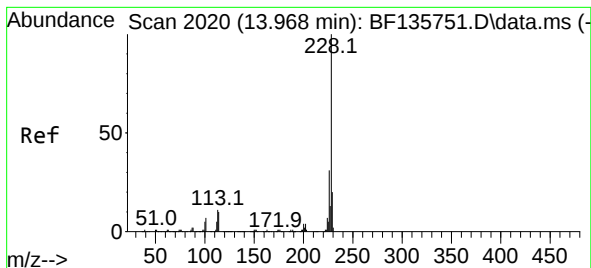
Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.2

229 22.5 16.1 24.1





#83

Chrysene

Concen: 6.757 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

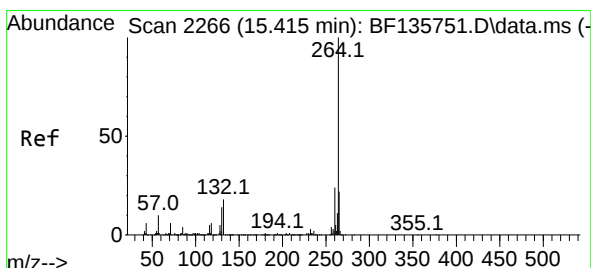
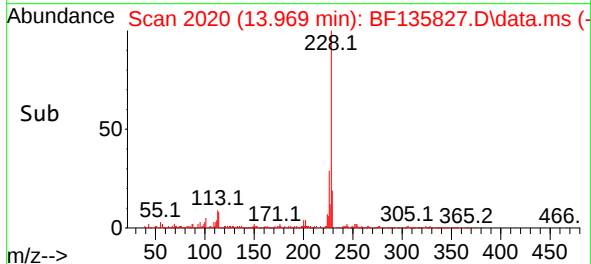
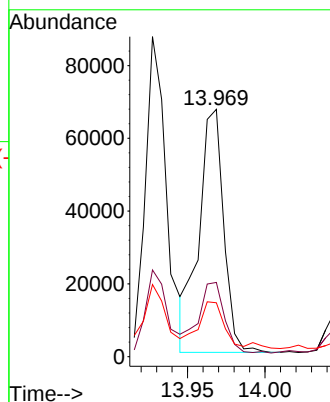
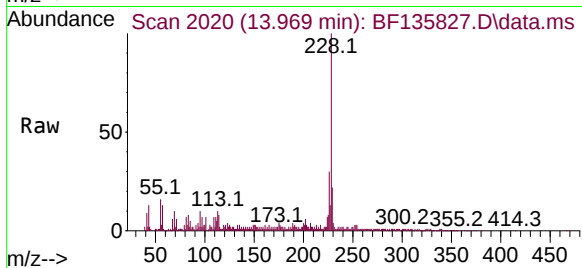
Tgt Ion:228 Resp: 74706

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 21.8 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

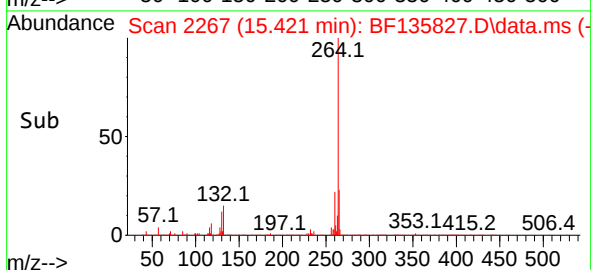
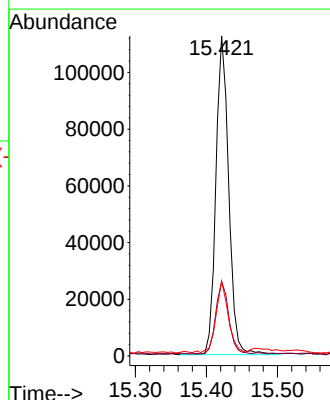
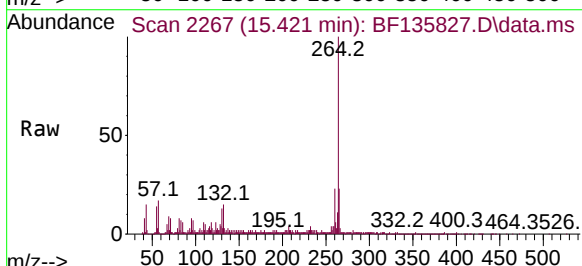
Tgt Ion:264 Resp: 140759

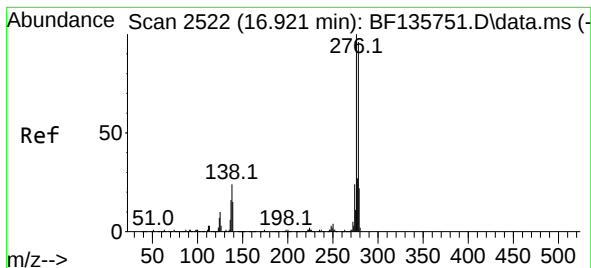
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 23.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.908 ng

RT: 16.939 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

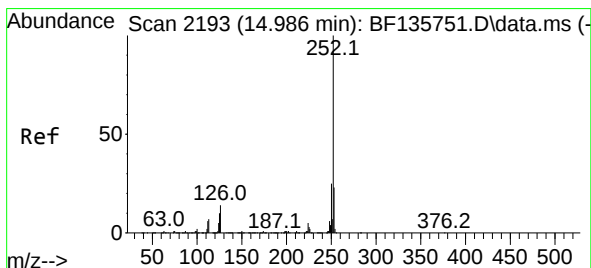
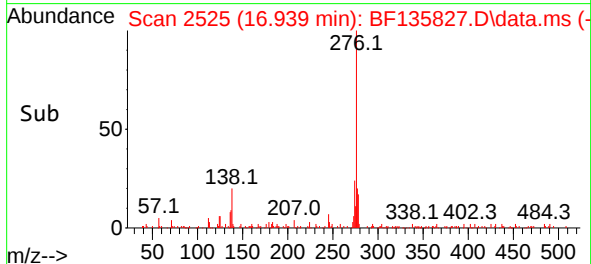
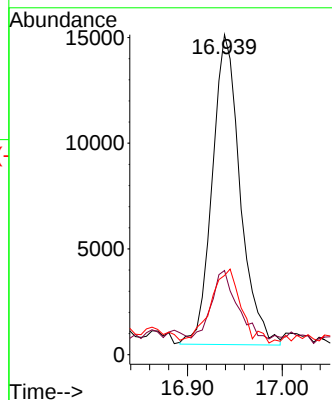
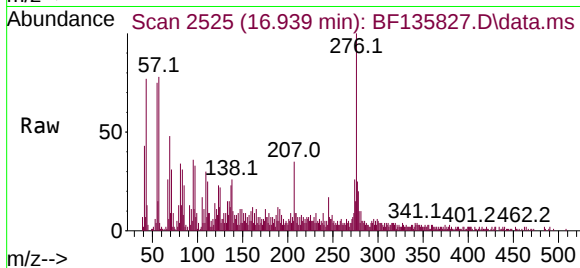
Tgt Ion:276 Resp: 29970

Ion Ratio Lower Upper

276 100

138 20.4 19.8 29.6

277 24.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 12.533 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

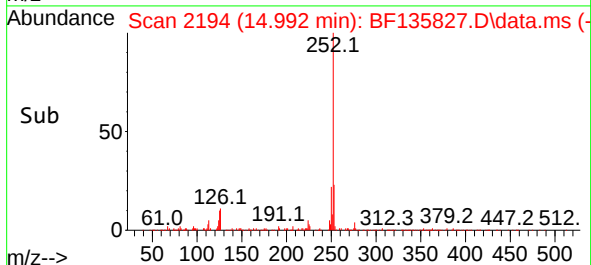
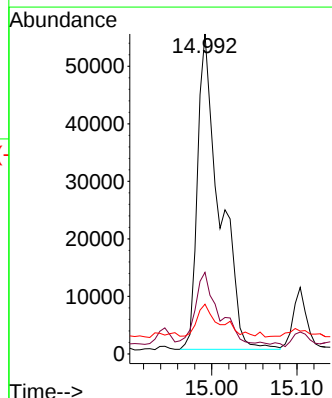
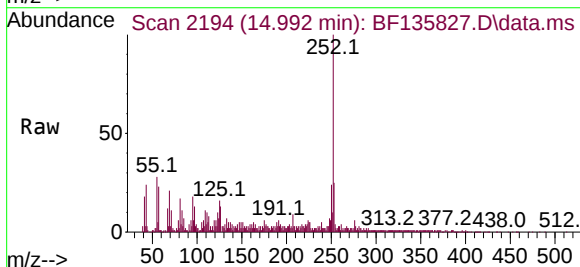
Tgt Ion:252 Resp: 98733

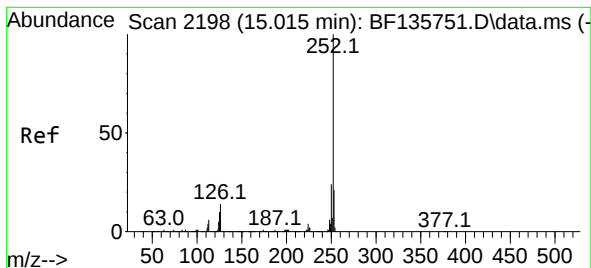
Ion Ratio Lower Upper

252 100

253 25.5 18.2 27.2

125 15.6 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 12.909 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-B

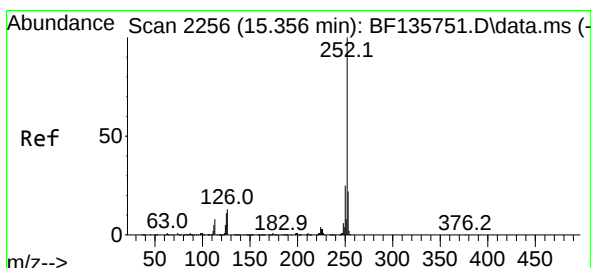
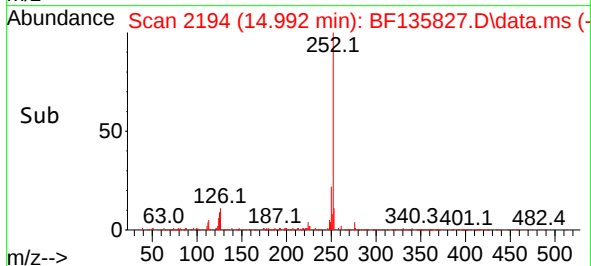
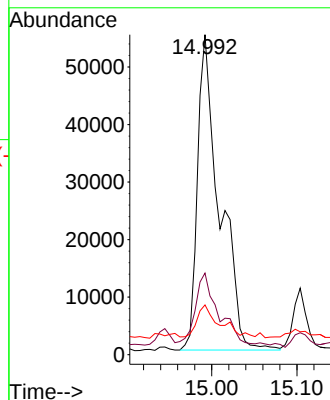
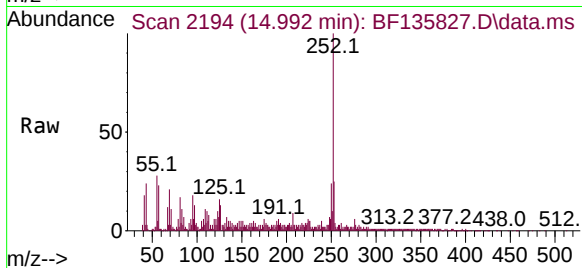
Tgt Ion:252 Resp: 98733

Ion Ratio Lower Upper

252 100

253 25.5 17.4 26.0

125 15.6 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 7.236 ng

RT: 15.363 min Scan# 2257

Delta R.T. 0.000 min

Lab File: BF135827.D

Acq: 17 Oct 2023 23:05

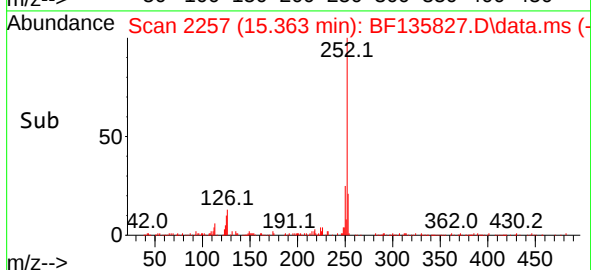
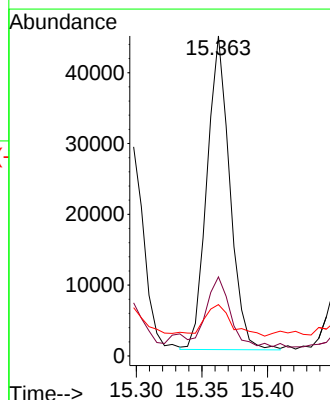
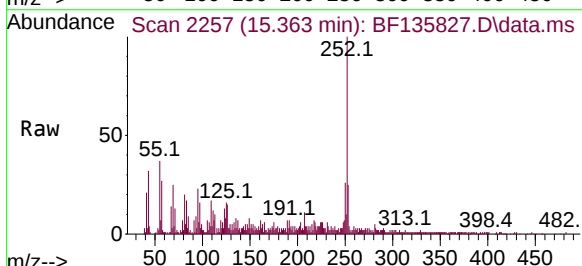
Tgt Ion:252 Resp: 53602

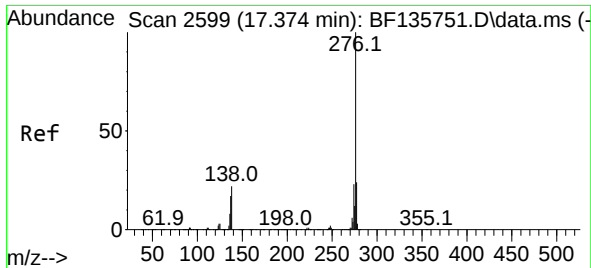
Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

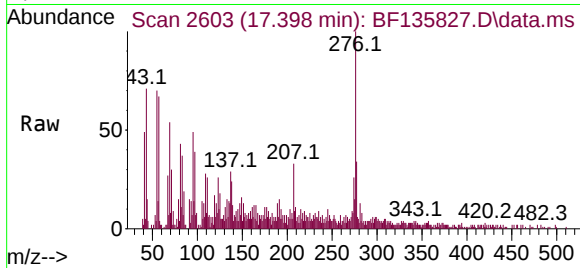
125 16.1 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 4.493 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF135827.D
 Acq: 17 Oct 2023 23:05

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



Tgt Ion:	276	Resp:	29018
Ion Ratio	Lower	Upper	
276	100		
277	34.0	19.4	29.2#
138	24.4	17.3	25.9

