

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139856.D
 Acq On : 18 Oct 2024 16:18
 Operator : RC/JU
 Sample : P4421-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101624

Quant Time: Oct 18 16:42:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

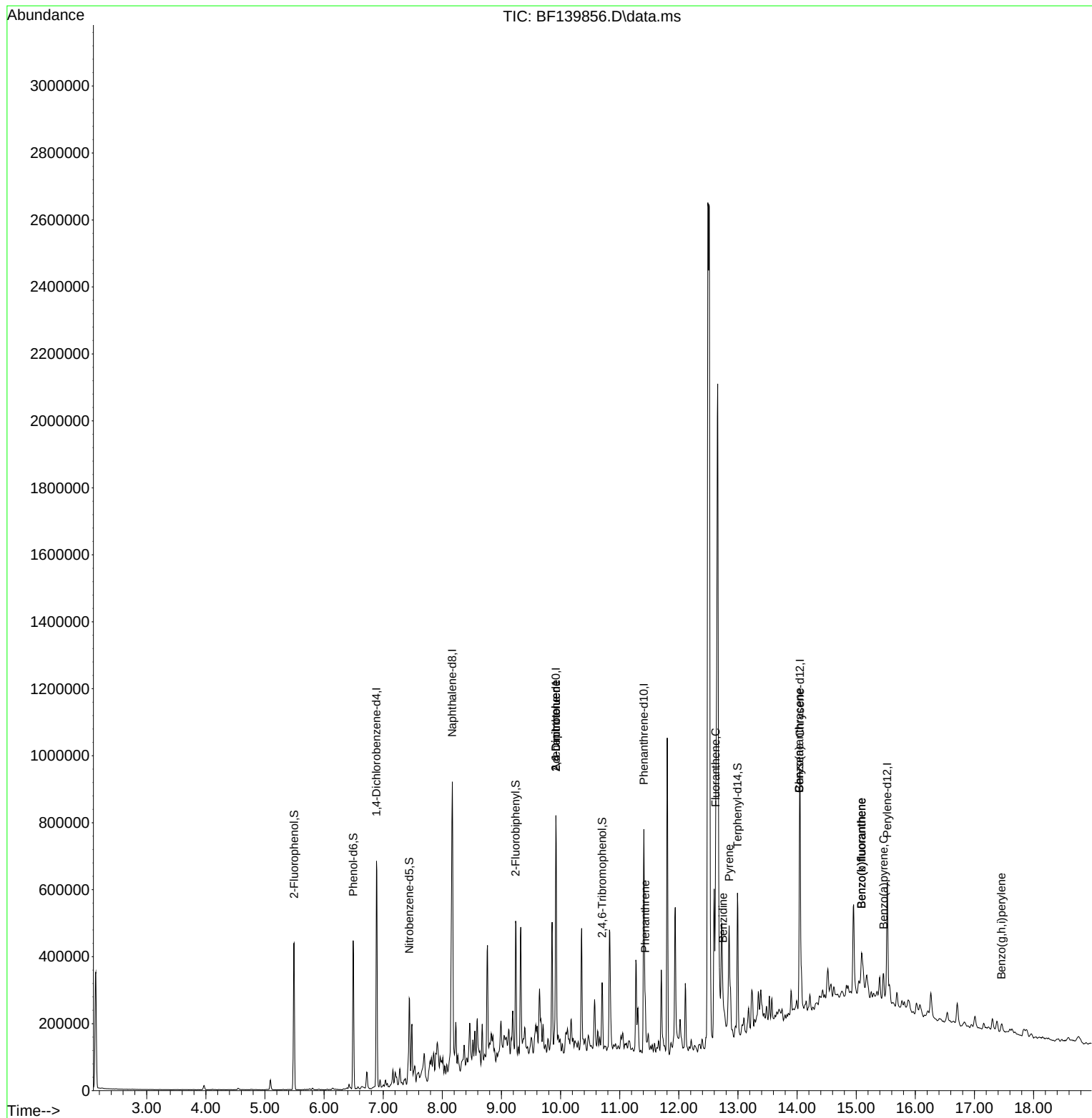
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136164	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	453580	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	193378	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	336096	20.000	ng	0.00
76) Chrysene-d12	14.051	240	296478	20.000	ng	0.00
86) Perylene-d12	15.527	264	205321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	156227	17.962	ng	0.00
7) Phenol-d6	6.492	99	184521	16.380	ng	-0.02
23) Nitrobenzene-d5	7.439	82	97271	11.886	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	27829	15.385	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	175307	14.983	ng	-0.01
79) Terphenyl-d14	12.992	244	196621	10.807	ng	0.00
Target Compounds					Qvalue	
51) 2,6-Dinitrotoluene	9.922	165	27368	10.494	ng	# 23
57) 2,4-Dinitrotoluene	9.922	165	27368	8.533	ng	# 22
71) Phenanthrene	11.433	178	78933	4.972	ng	100
75) Fluoranthene	12.621	202	149651	9.325	ng	100
77) Benzidine	12.745	184	10634	2.181	ng	# 64
78) Pyrene	12.851	202	173347	6.680	ng	98
81) Benzo(a)anthracene	14.039	228	84638	4.385	ng	92
83) Chrysene	14.039	228	84638	4.783	ng	96
88) Benzo(b)fluoranthene	15.092	252	83460	6.673	ng	# 89
89) Benzo(k)fluoranthene	15.092	252	83460	7.737	ng	# 89
90) Benzo(a)pyrene	15.462	252	45836	4.454	ng	# 91
92) Benzo(g,h,i)perylene	17.456	276	25872	2.351	ng	92

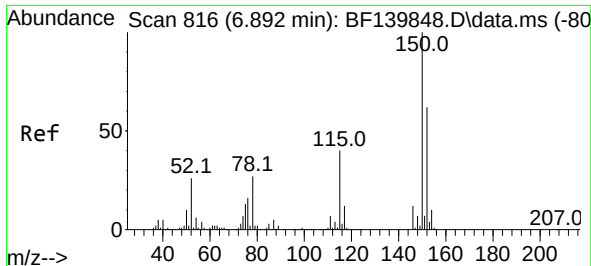
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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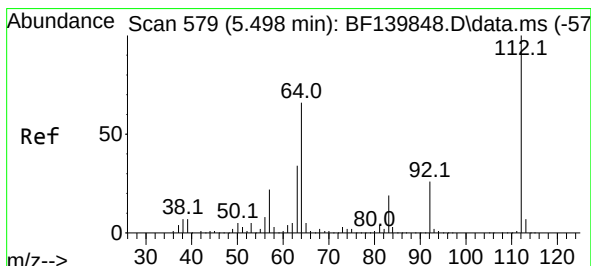
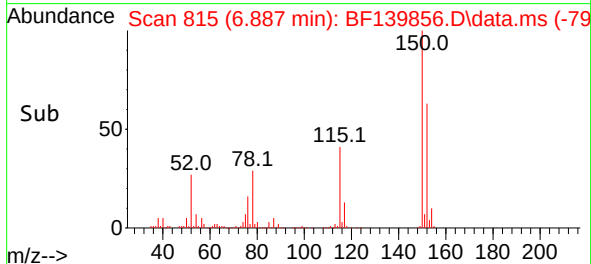
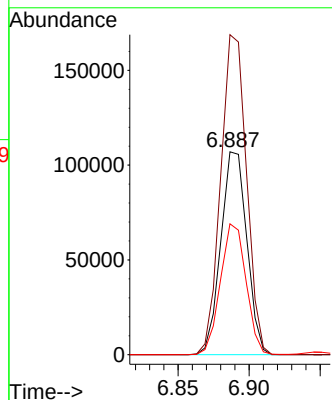
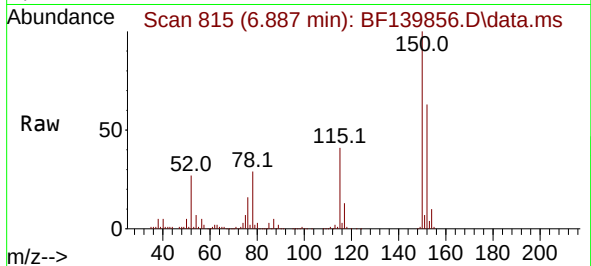




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

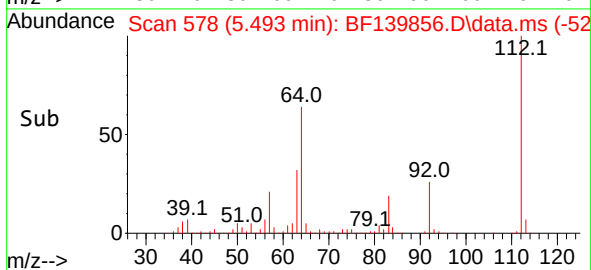
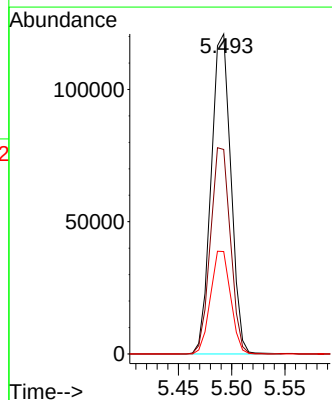
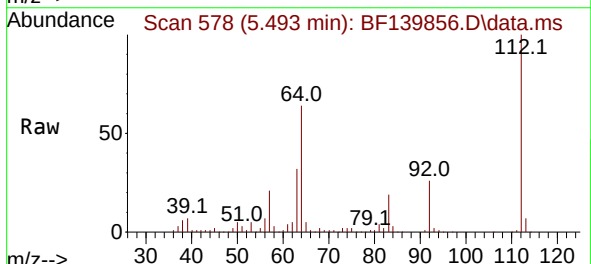
Instrument :
BNA_F
ClientSampleId :
EO-02-101624

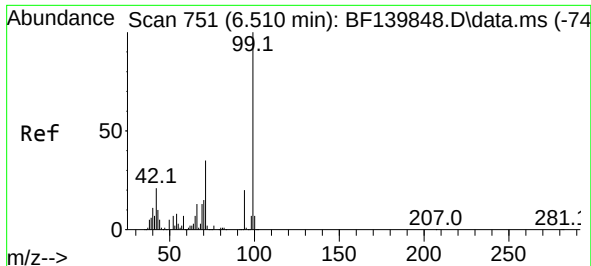
Tgt Ion:152 Resp: 136164
Ion Ratio Lower Upper
152 100
150 157.7 130.2 195.2
115 64.6 51.4 77.2



#5
2-Fluorophenol
Concen: 17.962 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:112 Resp: 156227
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 32.0 27.0 40.4

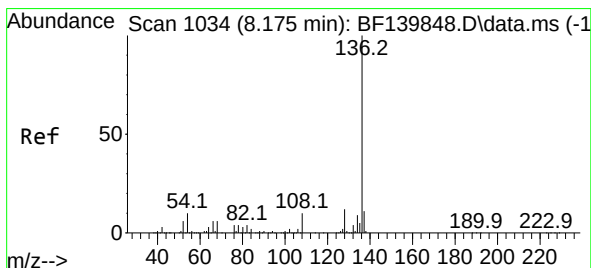
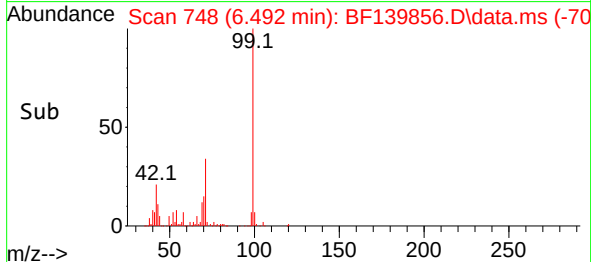
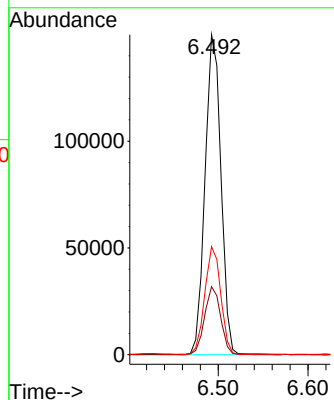
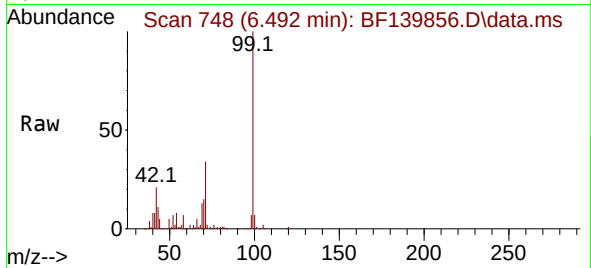




#7
Phenol-d6
Concen: 16.380 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

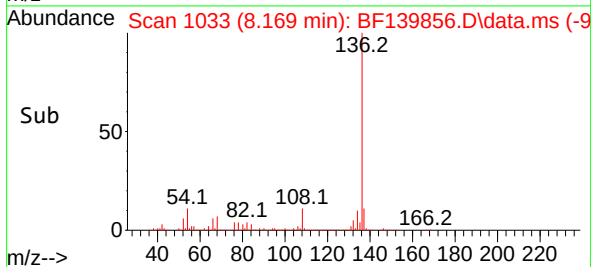
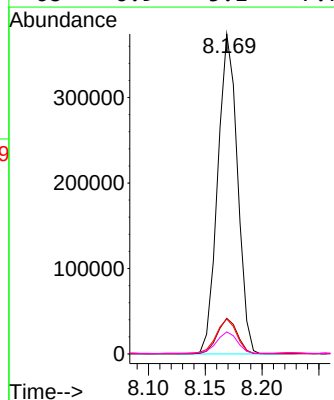
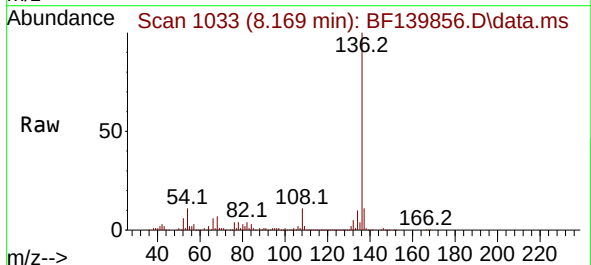
Instrument :
BNA_F
ClientSampleId :
EO-02-101624

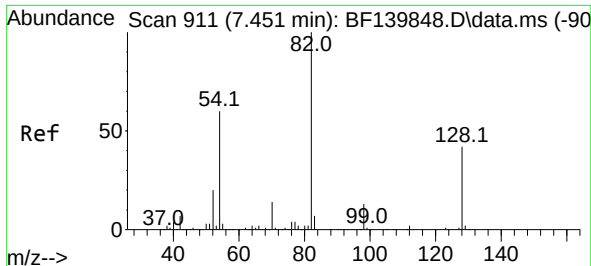
Tgt Ion: 99 Resp: 184521
Ion Ratio Lower Upper
99 100
42 21.2 16.7 25.1
71 33.8 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion: 136 Resp: 453580
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 11.0 8.4 12.6
68 6.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 11.886 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624

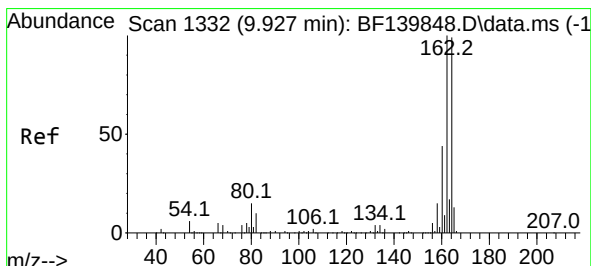
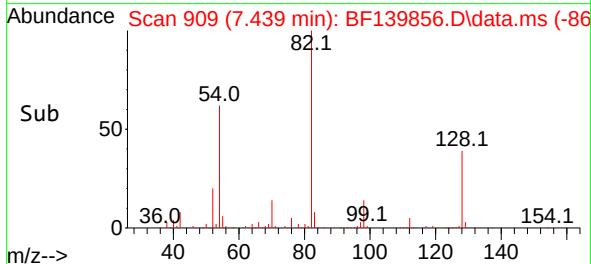
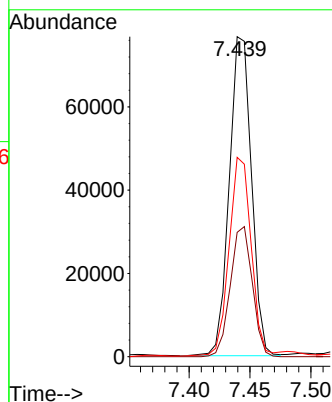
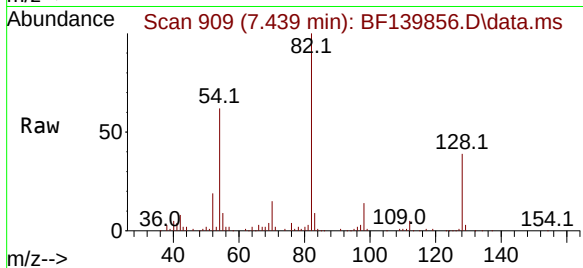
Tgt Ion: 82 Resp: 97271

Ion Ratio Lower Upper

82 100

128 38.9 33.4 50.0

54 62.3 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

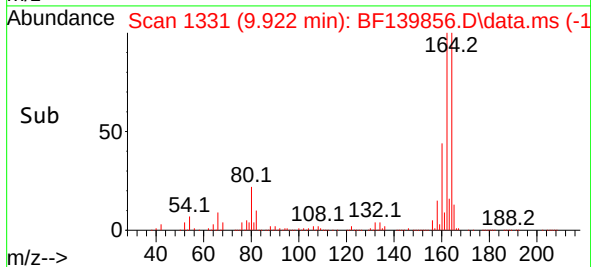
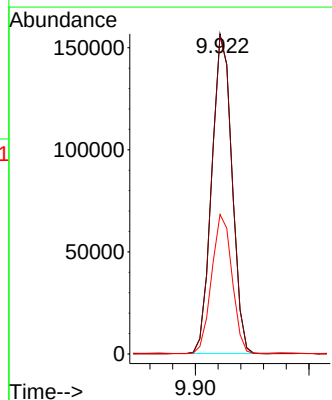
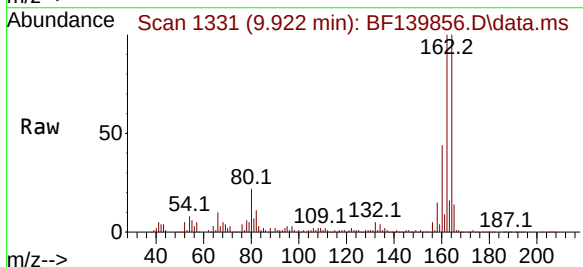
Tgt Ion:164 Resp: 193378

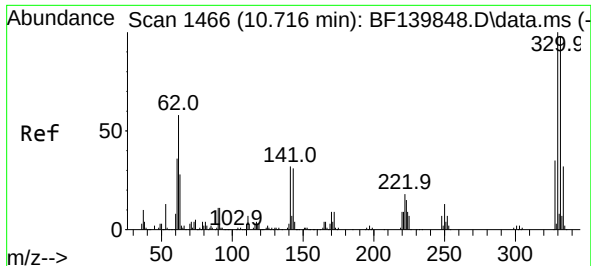
Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.4

160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 15.385 ng

RT: 10.704 min Scan# 1466

Delta R.T. -0.012 min

Lab File: BF139856.D

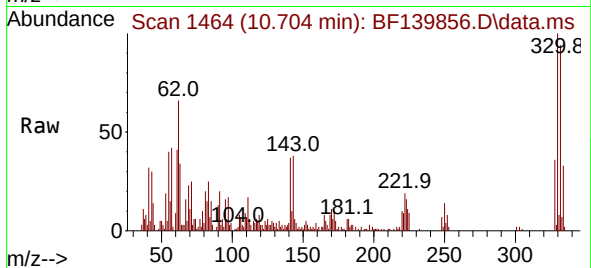
Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624



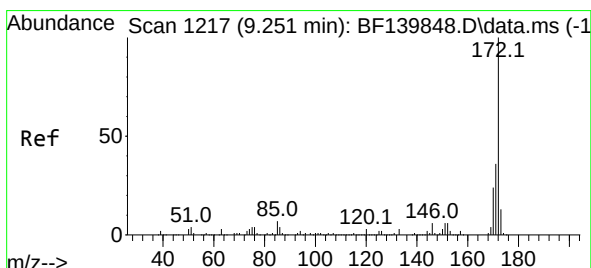
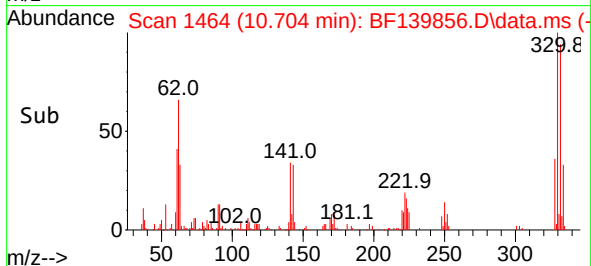
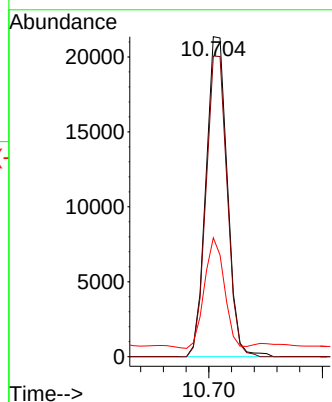
Tgt Ion:330 Resp: 27829

Ion Ratio Lower Upper

330 100

332 93.3 78.1 117.1

141 32.2 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 14.983 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

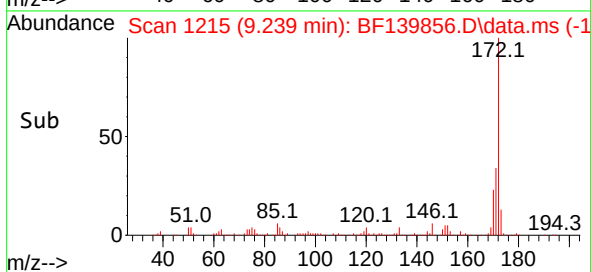
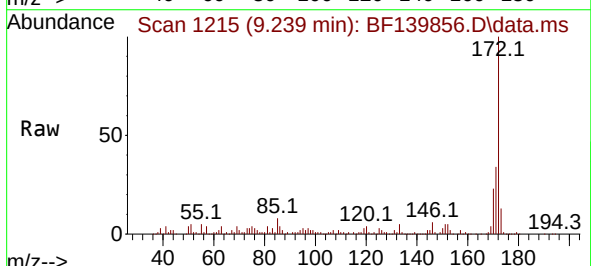
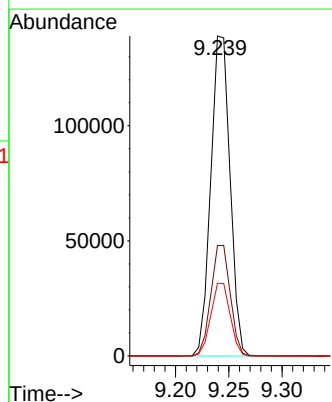
Tgt Ion:172 Resp: 175307

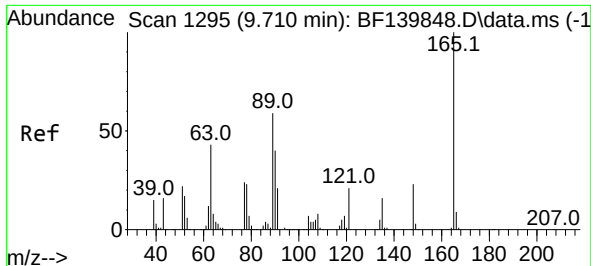
Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 22.7 19.1 28.7

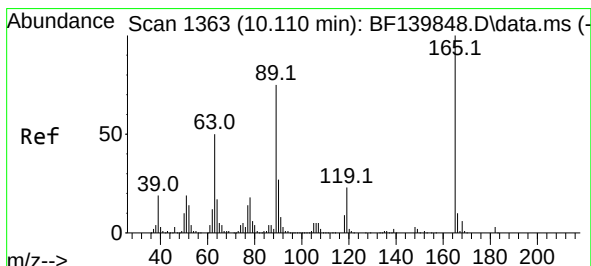
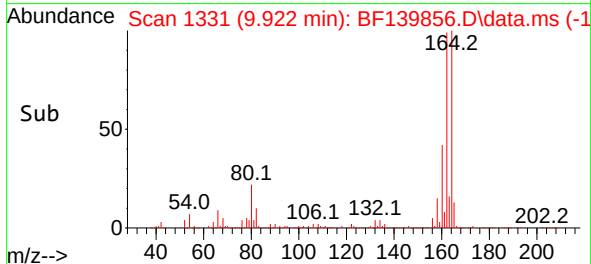
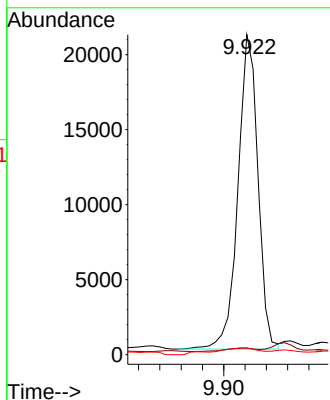
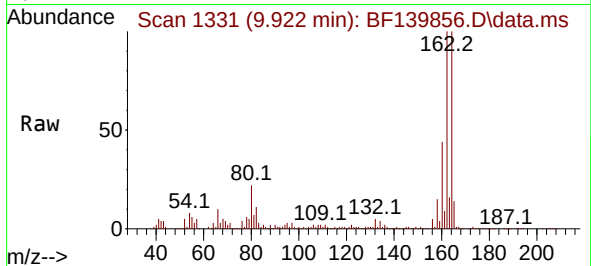




#51
2,6-Dinitrotoluene
Concen: 10.494 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

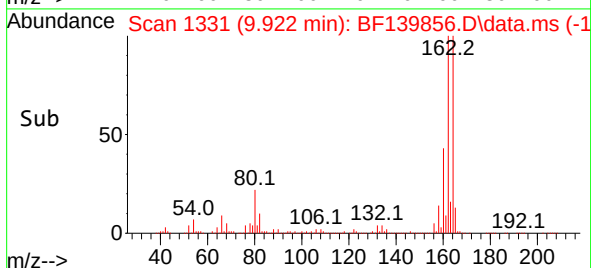
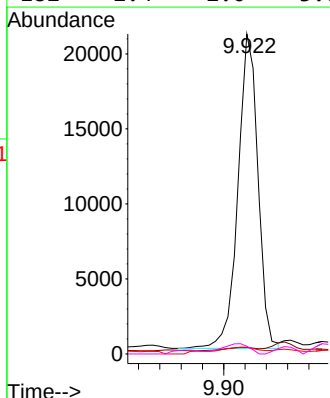
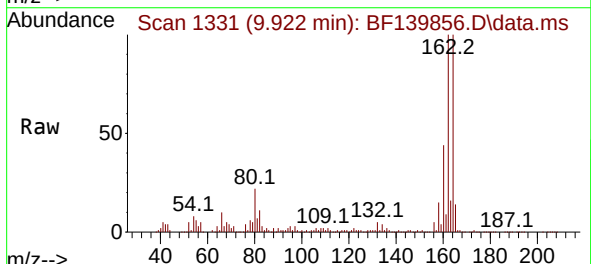
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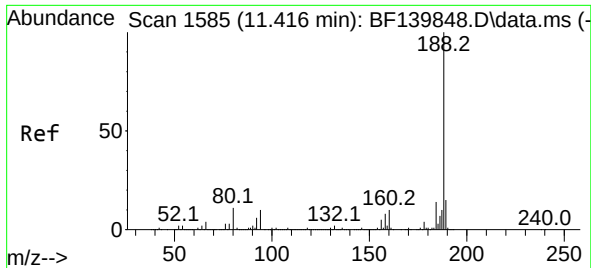
Tgt Ion:165 Resp: 27368
Ion Ratio Lower Upper
165 100
63 2.0 50.6 75.8#
89 2.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 8.533 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:165 Resp: 27368
Ion Ratio Lower Upper
165 100
63 2.0 40.1 60.1#
89 2.1 60.4 90.6#
182 2.4 2.0 3.0

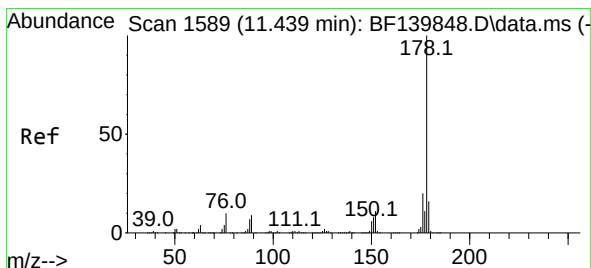
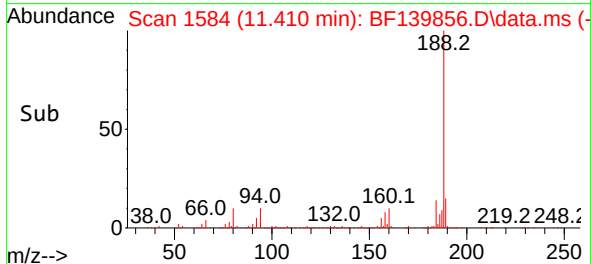
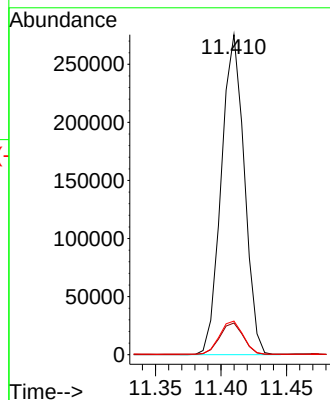
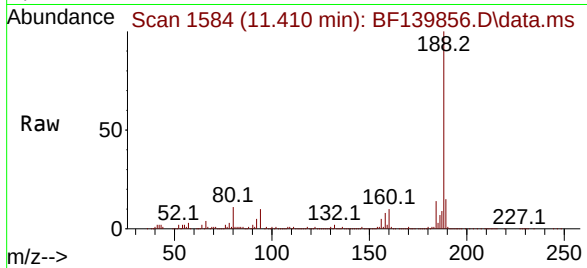




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

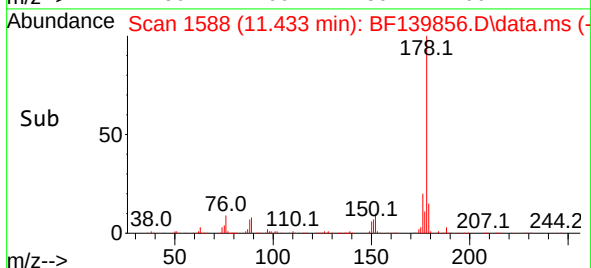
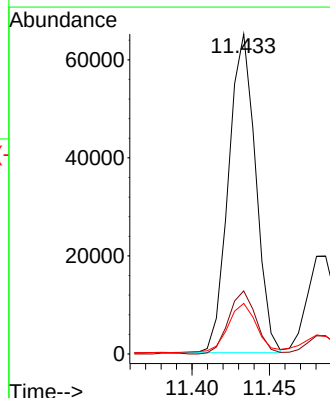
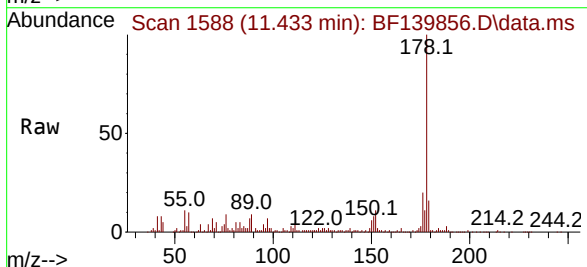
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EO-02-101624

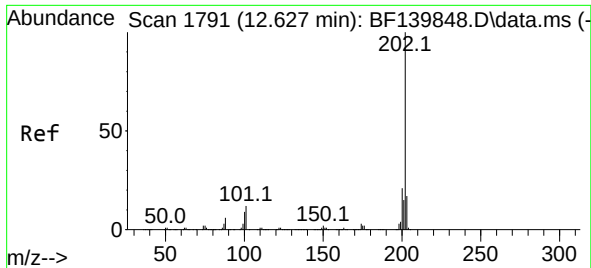
Tgt Ion:188 Resp: 336096
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.5 9.0 13.4



#71
Phenanthrene
Concen: 4.972 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:178 Resp: 78933
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.8 12.6 18.8

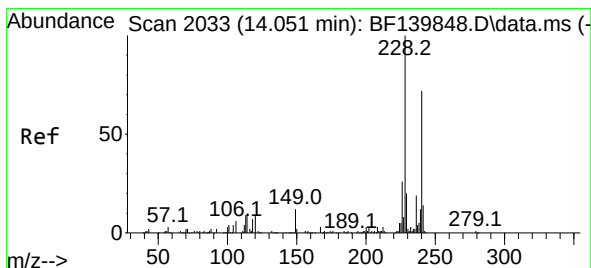
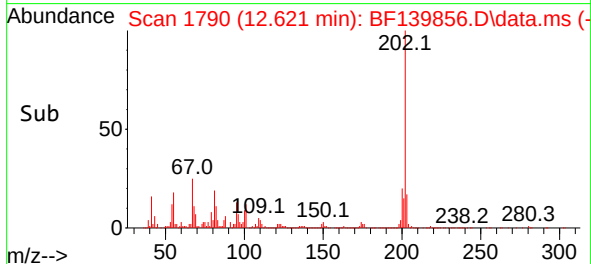
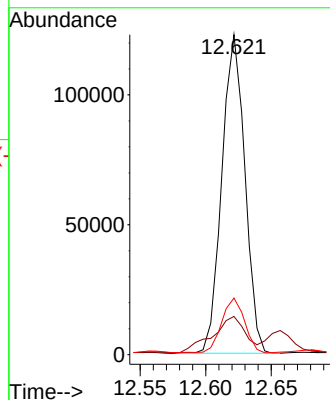
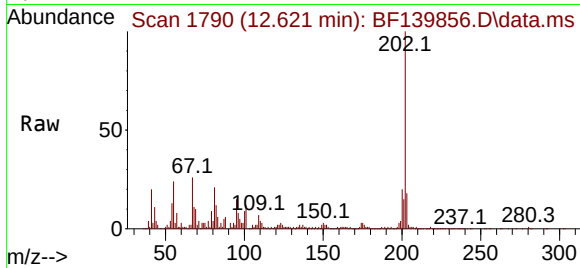




#75
Fluoranthene
Concen: 9.325 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

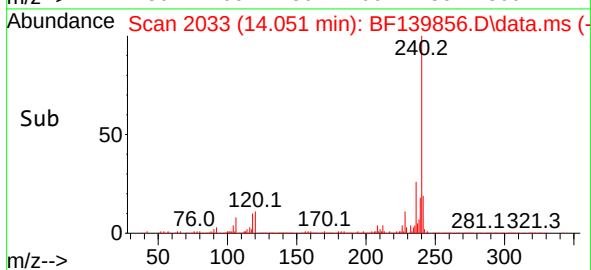
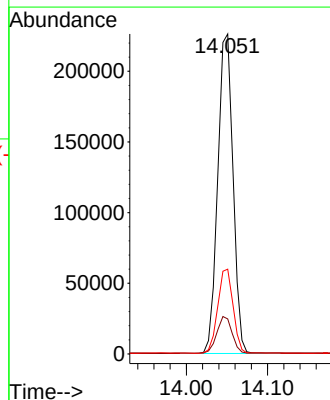
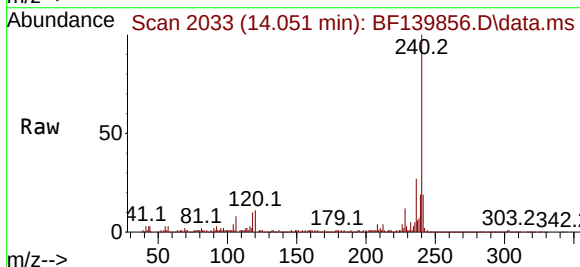
Instrument :
BNA_F
ClientSampleId :
EO-02-101624

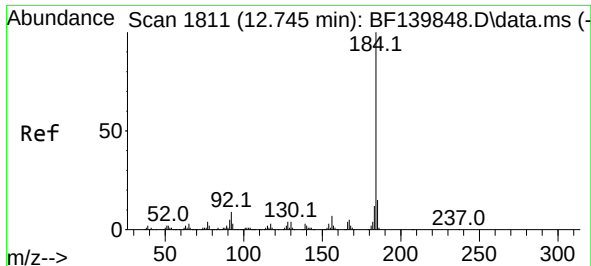
Tgt Ion:	202	Resp:	149651
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.9
203	17.7	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:	240	Resp:	296478
Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.4	14.2
236	26.5	20.9	31.3

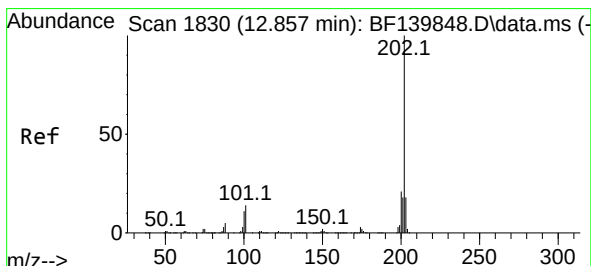
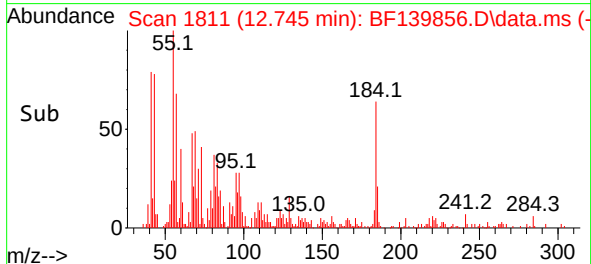
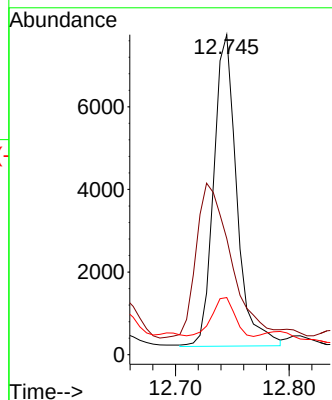
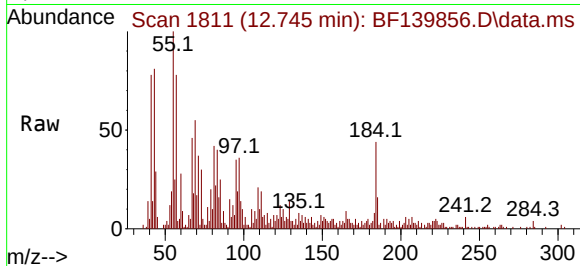




#77
Benzidine
Concen: 2.181 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

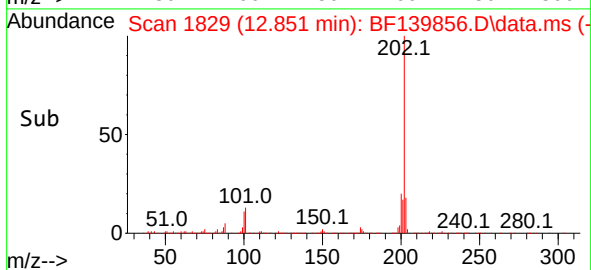
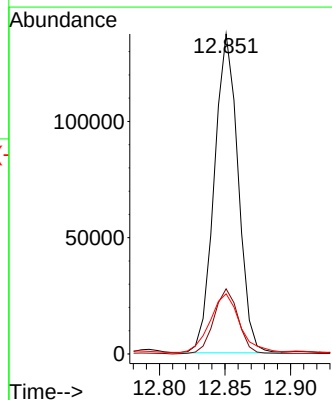
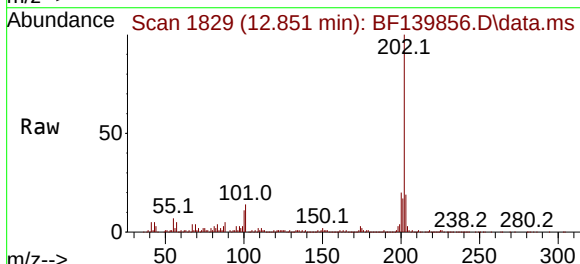
Instrument :
BNA_F
ClientSampleId :
EO-02-101624

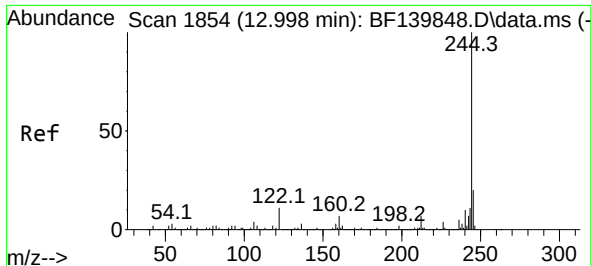
Tgt Ion:184 Resp: 10634
Ion Ratio Lower Upper
184 100
185 36.3 12.0 18.0#
183 17.9 9.4 14.2#



#78
Pyrene
Concen: 6.680 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:202 Resp: 173347
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 18.8 14.2 21.4

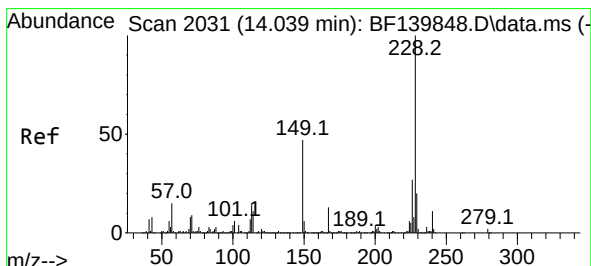
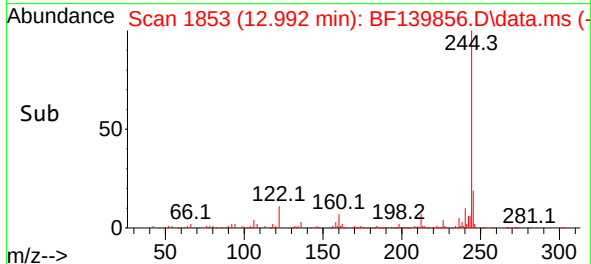
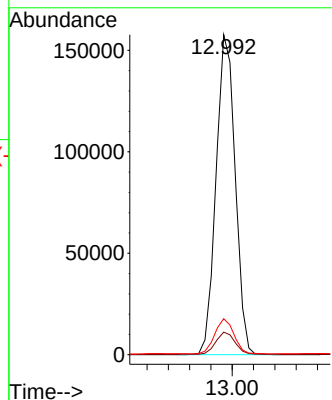
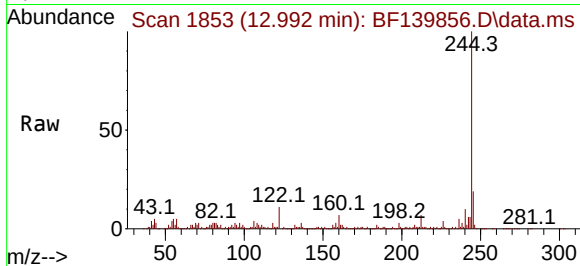




#79
 Terphenyl-d14
 Concen: 10.807 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139856.D
 Acq: 18 Oct 2024 16:18

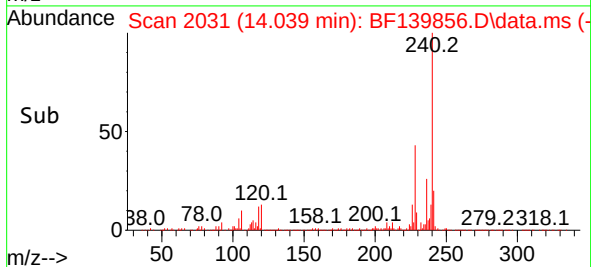
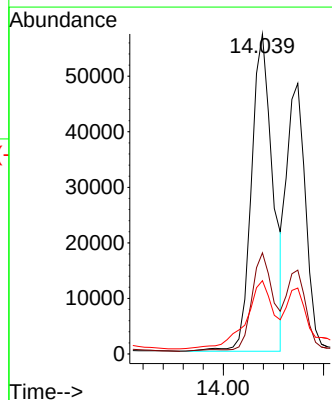
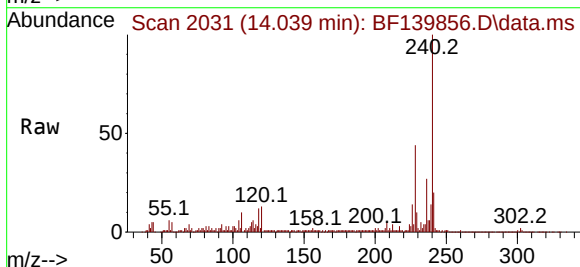
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101624

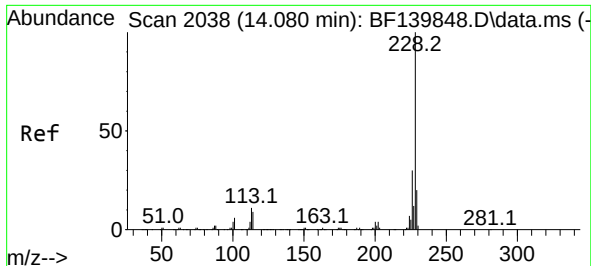
Tgt Ion:244 Resp: 196621
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 11.2 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 4.385 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF139856.D
 Acq: 18 Oct 2024 16:18

Tgt Ion:228 Resp: 84638
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.6 32.4
 229 22.9 16.1 24.1





#83

Chrysene

Concen: 4.783 ng

RT: 14.039 min Scan# 2038

Delta R.T. -0.041 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624

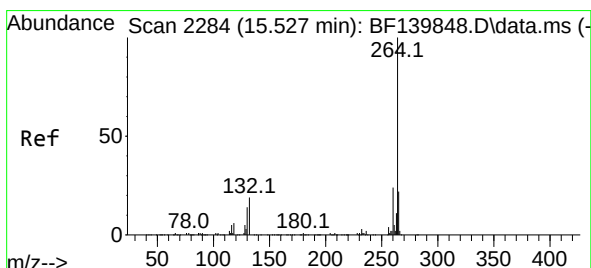
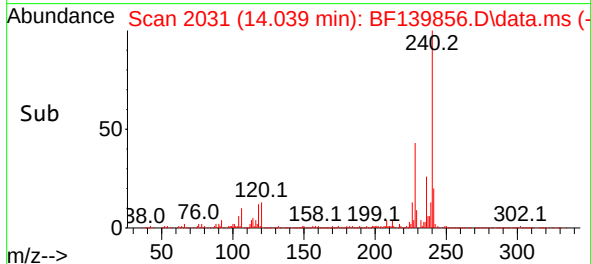
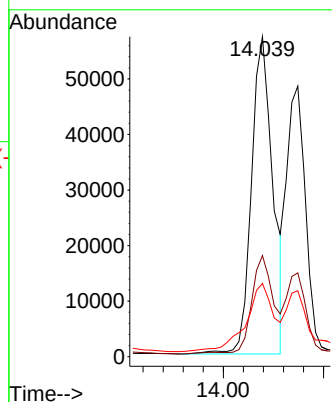
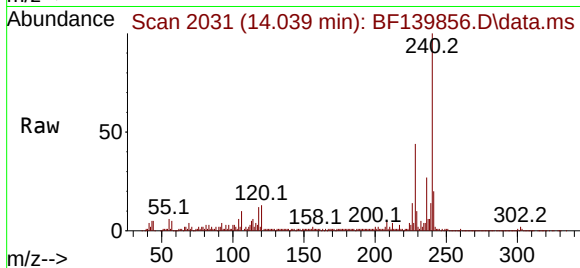
Tgt Ion:228 Resp: 84638

Ion Ratio Lower Upper

228 100

226 31.6 24.1 36.1

229 22.9 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

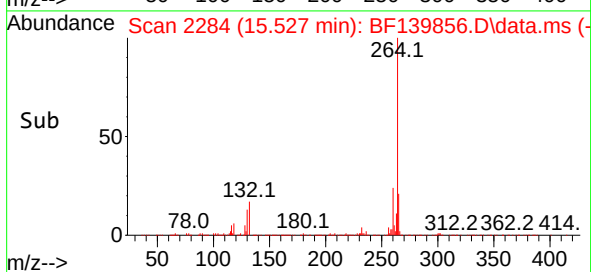
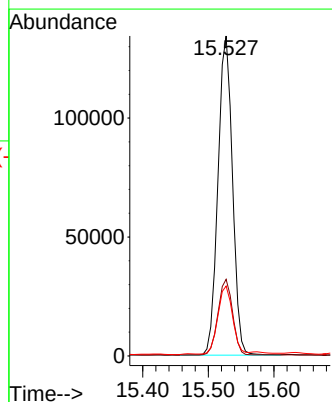
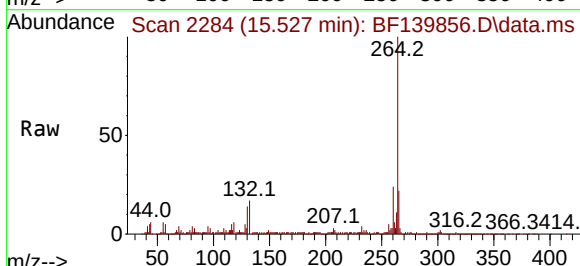
Tgt Ion:264 Resp: 205321

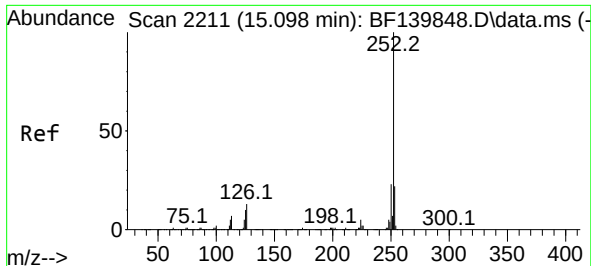
Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.9 17.4 26.0

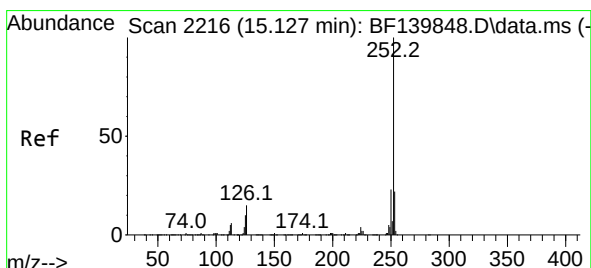
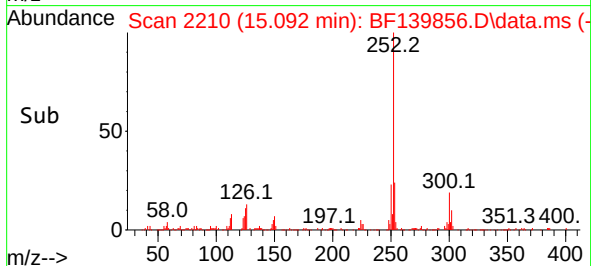
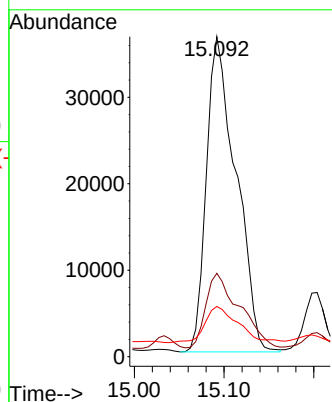
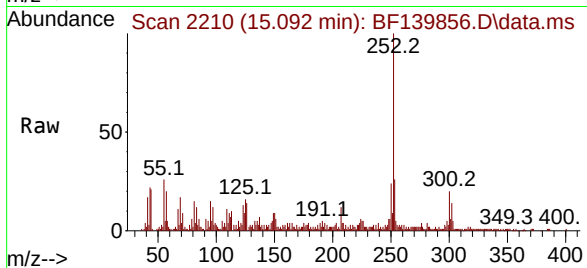




#88
Benzo(b)fluoranthene
Concen: 6.673 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

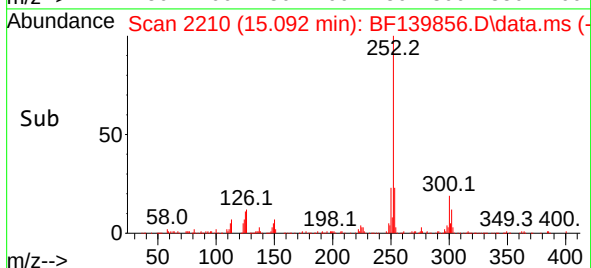
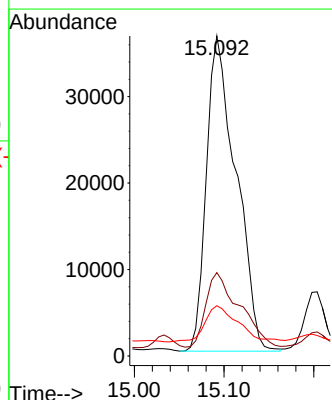
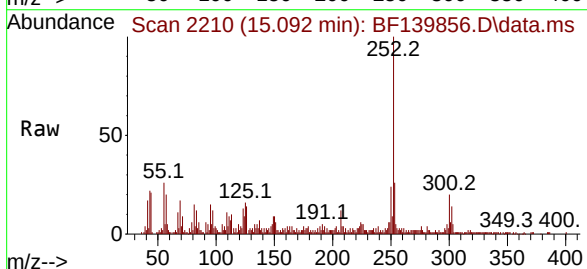
Instrument :
BNA_F
ClientSampleId :
EO-02-101624

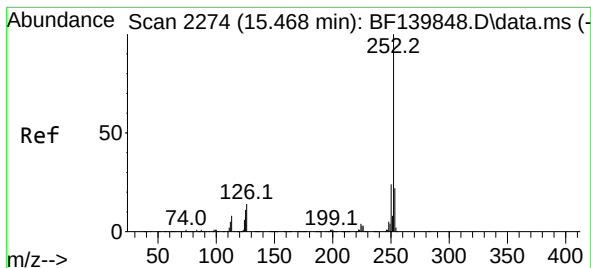
Tgt Ion:252 Resp: 83460
Ion Ratio Lower Upper
252 100
253 26.0 17.6 26.4
125 15.7 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 7.737 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:252 Resp: 83460
Ion Ratio Lower Upper
252 100
253 26.0 17.6 26.4
125 15.7 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 4.454 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624

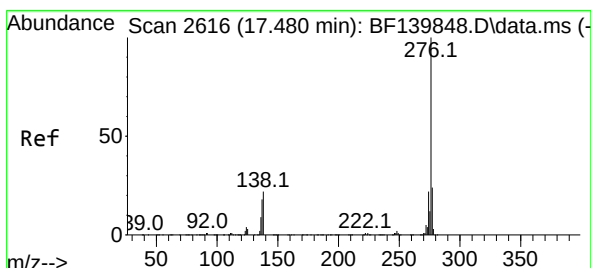
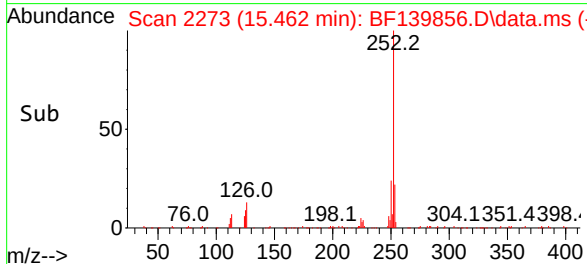
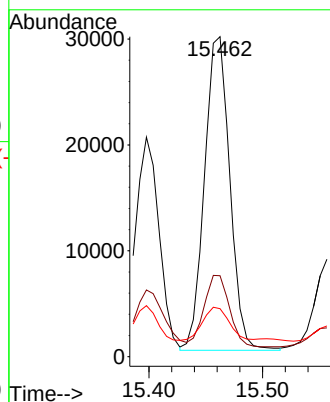
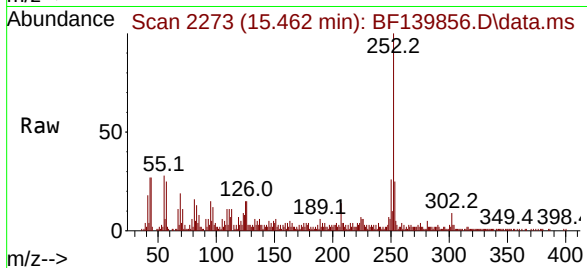
Tgt Ion:252 Resp: 45836

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

125 15.0 8.7 13.1#



#92

Benzo(g,h,i)perylene

Concen: 2.351 ng

RT: 17.456 min Scan# 2612

Delta R.T. -0.023 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Tgt Ion:276 Resp: 25872

Ion Ratio Lower Upper

276 100

277 28.5 19.0 28.6

138 25.1 17.4 26.0

