

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128922.D
 Acq On : 22 Jun 2022 03:13
 Operator : CG\JU
 Sample : N3413-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022

Quant Time: Jun 22 04:02:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

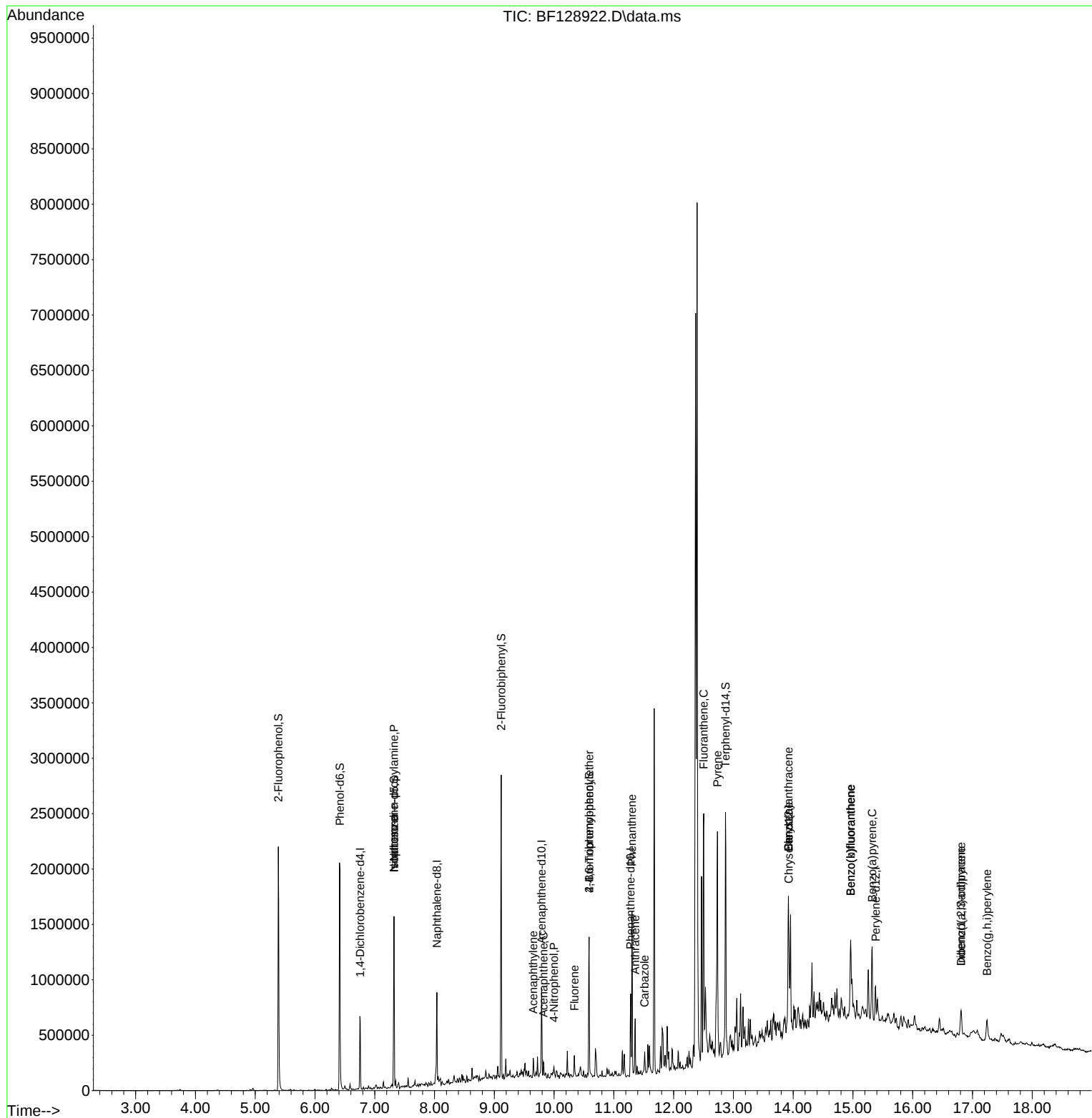
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	88737	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	300294	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	142499	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	253457	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	156017	20.000	ng	0.00
86) Perylene-d12	15.380	264	122081	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	524994	94.237	ng	0.00
7) Phenol-d6	6.416	99	639319	94.012	ng	0.00
23) Nitrobenzene-d5	7.322	82	436493	67.675	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	136443	81.038	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	729582	71.720	ng	0.00
79) Terphenyl-d14	12.868	244	730908	81.405	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	63366	14.987	ng	# 76
25) Isophorone	7.322	82	435923	44.501	ng	# 66
49) Acenaphthylene	9.651	152	60263	4.825	ng	97
52) Acenaphthene	9.822	154	23644	2.907	ng	99
56) 4-Nitrophenol	9.998	139	10137	6.693	ng	# 20
58) Fluorene	10.339	166	45261	4.993	ng	96
67) 4-Bromophenyl-phenylether	10.586	248	9297	3.289	ng	# 1
71) Phenanthrene	11.304	178	505711	39.779	ng	99
72) Anthracene	11.357	178	184372	14.652	ng	99
73) Carbazole	11.516	167	59026	5.051	ng	98
75) Fluoranthene	12.504	202	922898	69.450	ng	96
78) Pyrene	12.733	202	848249	73.077	ng	98
81) Benzo(a)anthracene	13.921	228	431577	44.378	ng	# 93
83) Chrysene	13.921	228	431577	46.548	ng	97
87) Indeno(1,2,3-cd)pyrene	16.809	276	148856	20.230	ng	# 88
88) Benzo(b)fluoranthene	14.962	252	538434	69.023	ng	95
89) Benzo(k)fluoranthene	14.962	252	538434	73.374	ng	95
90) Benzo(a)pyrene	15.321	252	317591	51.799	ng	# 95
91) Dibenzo(a,h)anthracene	16.809	278	44731	7.329	ng	# 74
92) Benzo(g,h,i)perylene	17.245	276	141546	23.400	ng	# 92

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

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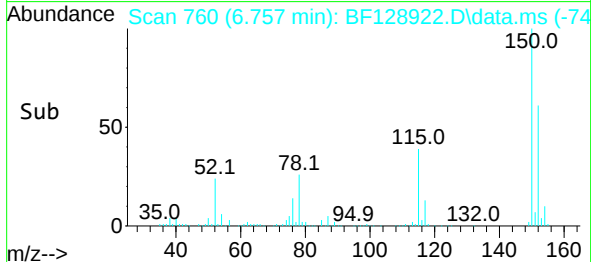
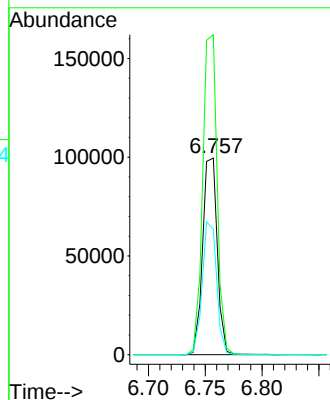
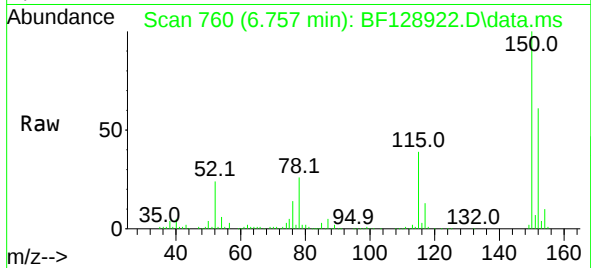




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.757 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

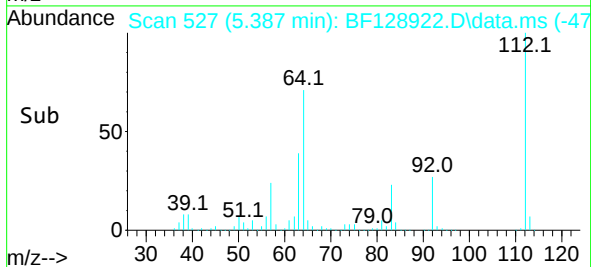
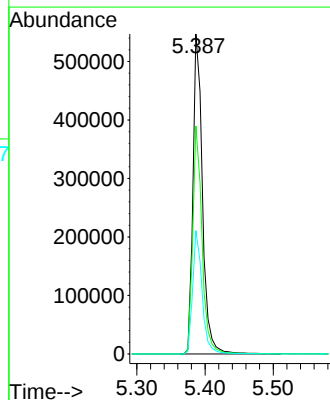
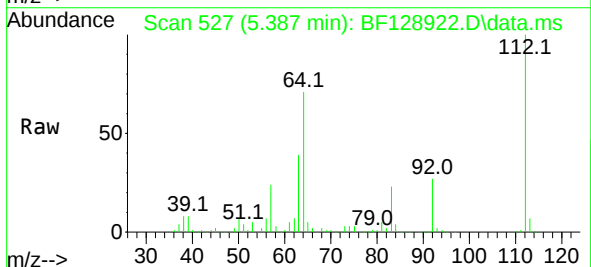
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022

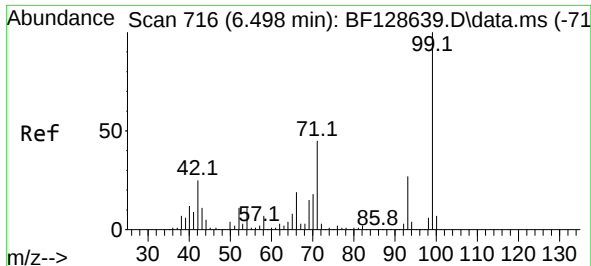
Tgt Ion:152 Resp: 88737
 Ion Ratio Lower Upper
 152 100
 150 162.8 123.7 185.5
 115 63.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 94.237 ng
 RT: 5.387 min Scan# 527
 Delta R.T. -0.000 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

Tgt Ion:112 Resp: 524994
 Ion Ratio Lower Upper
 112 100
 64 71.2 53.3 79.9
 63 38.6 28.0 42.0

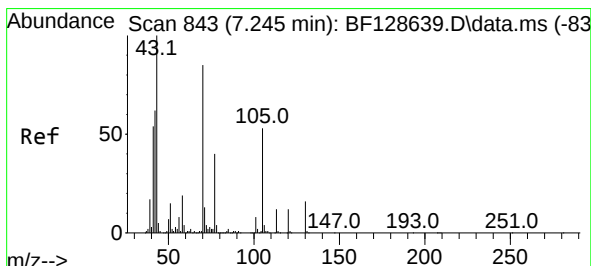
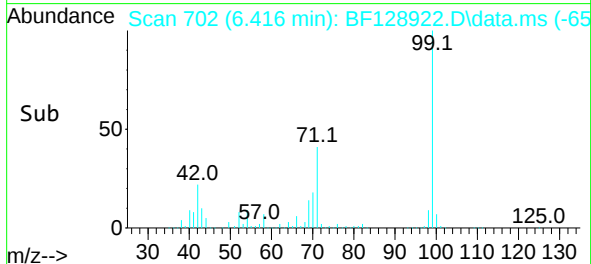
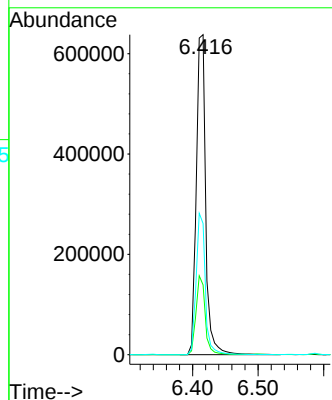
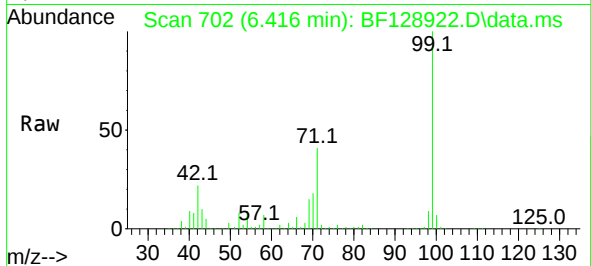




#7
Phenol-d6
Concen: 94.012 ng
RT: 6.416 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

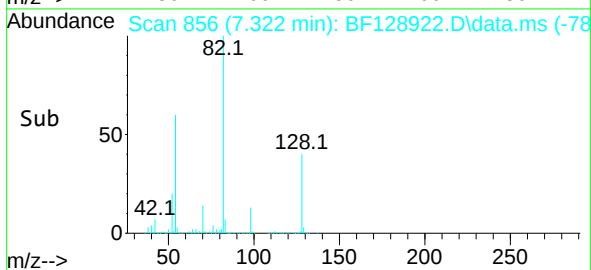
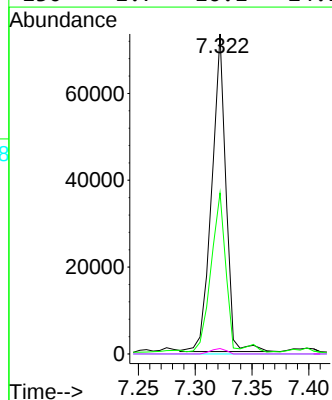
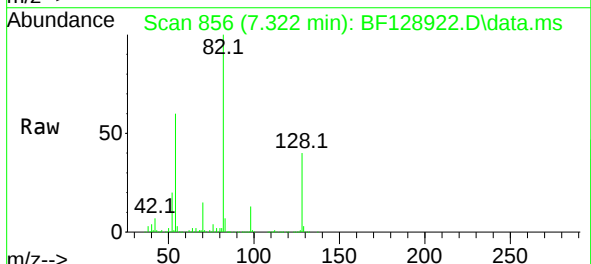
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

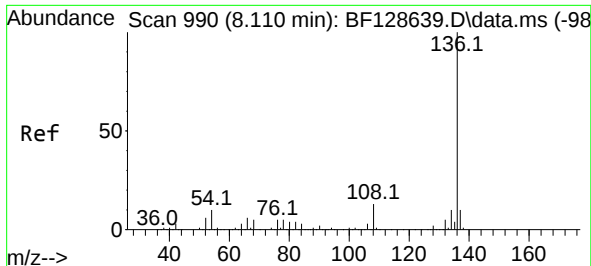
Tgt Ion: 99 Resp: 639319
Ion Ratio Lower Upper
99 100
42 21.8 17.3 25.9
71 41.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.987 ng
RT: 7.322 min Scan# 856
Delta R.T. 0.141 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion: 70 Resp: 63366
Ion Ratio Lower Upper
70 100
42 50.3 52.3 78.5#
101 0.0 7.5 11.3#
130 1.7 16.1 24.1#



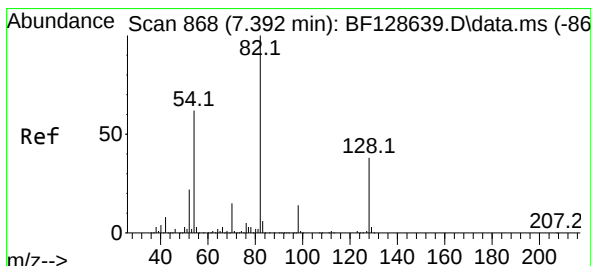
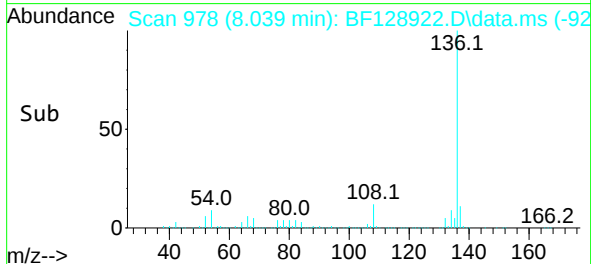
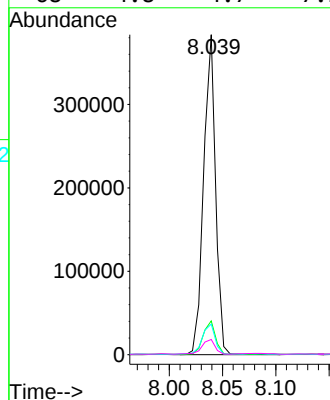
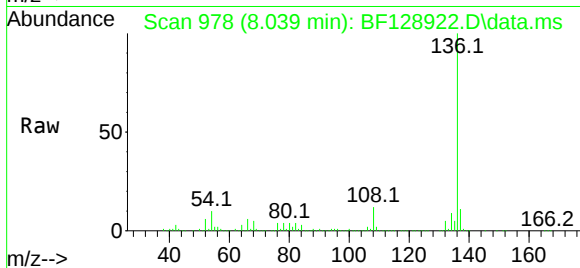


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Instrument :
BNA_F
ClientSampleId :
EO-01-062022

Tgt Ion:136 Resp: 300294

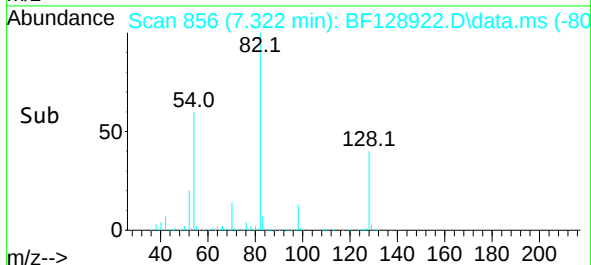
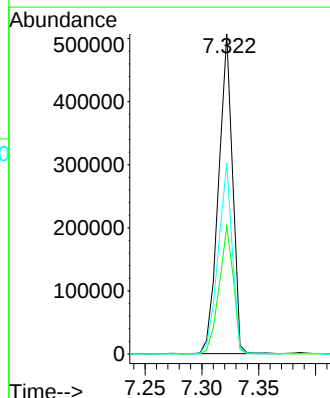
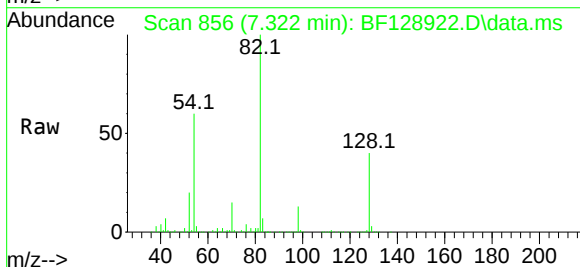
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.5	7.5	11.3
68	4.8	4.7	7.1

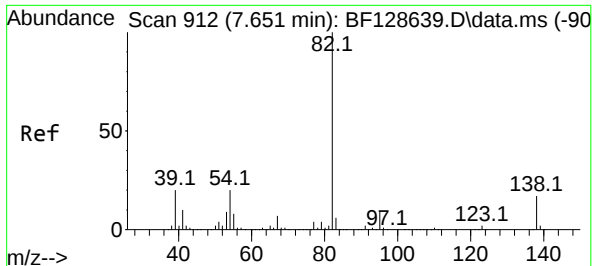


#23
Nitrobenzene-d5
Concen: 67.675 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion: 82 Resp: 436493

Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.0	51.0
54	59.6	46.9	70.3

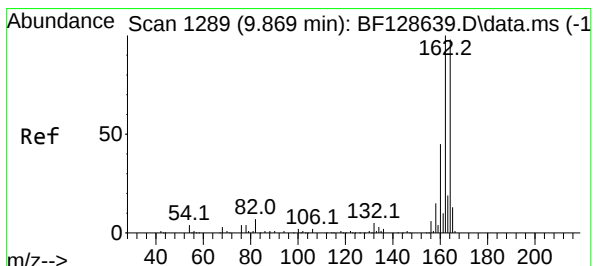
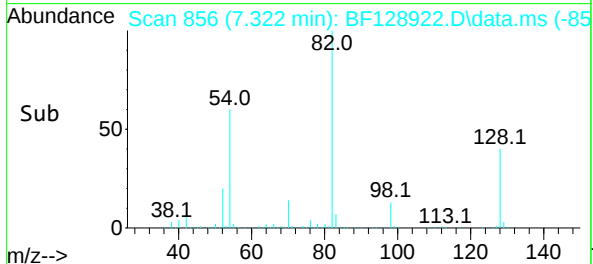
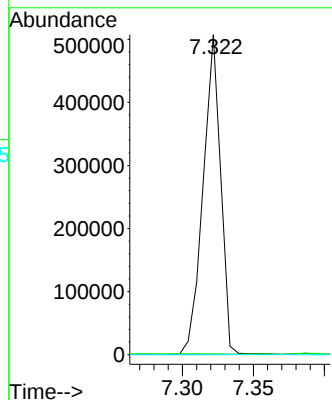
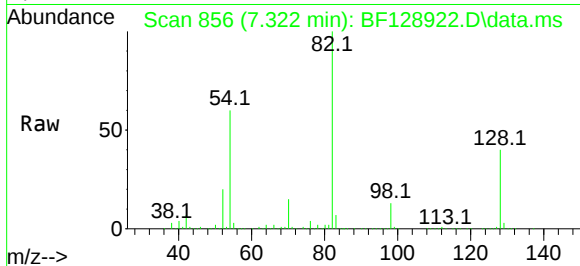




#25
Isophorone
Concen: 44.501 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

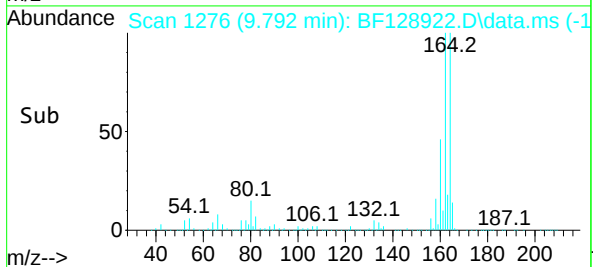
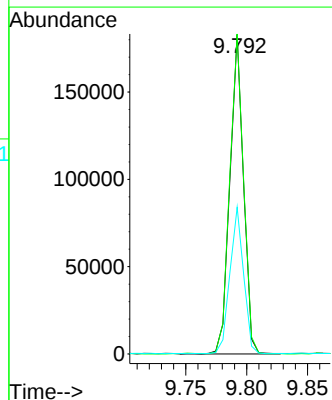
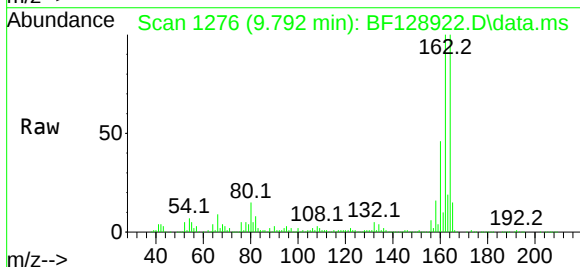
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

Tgt Ion: 82 Resp: 435923
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:164 Resp: 142499
Ion Ratio Lower Upper
164 100
162 100.1 79.5 119.3
160 45.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 81.038 ng

RT: 10.586 min Scan# 1424

Delta R.T. -0.000 min

Lab File: BF128922.D

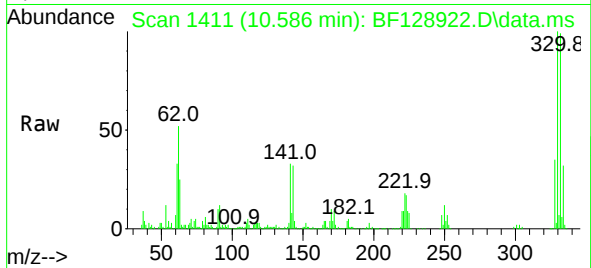
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Instrument :

BNA_F

ClientSampleId :

EO-01-062022



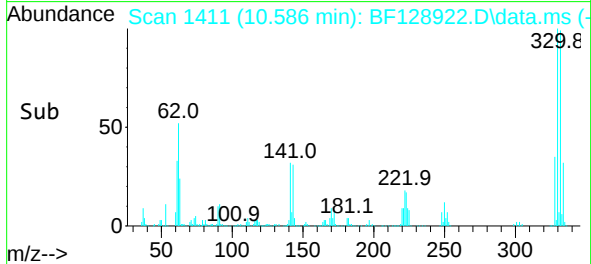
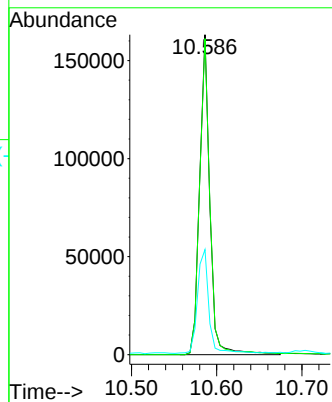
Tgt Ion:330 Resp: 136443

Ion Ratio Lower Upper

330 100

332 99.6 76.8 115.2

141 35.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 71.720 ng

RT: 9.116 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

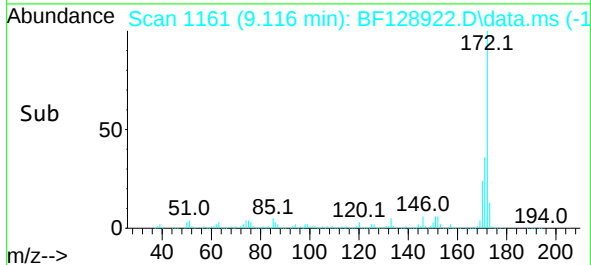
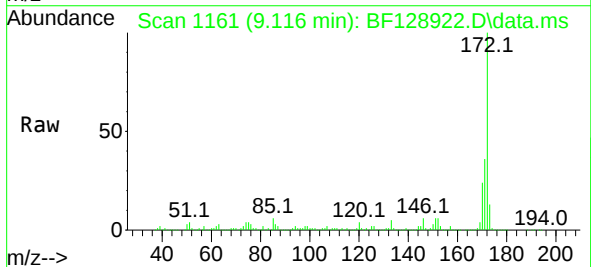
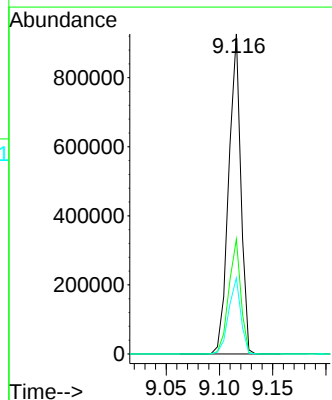
Tgt Ion:172 Resp: 729582

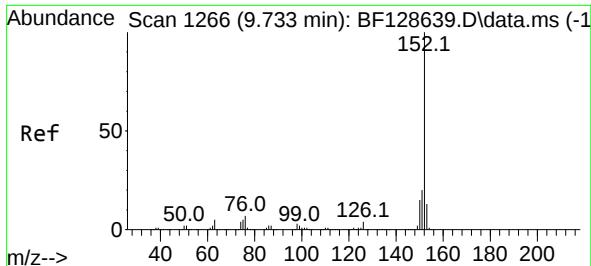
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.8 19.8 29.8





#49

Acenaphthylene

Concen: 4.825 ng

RT: 9.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

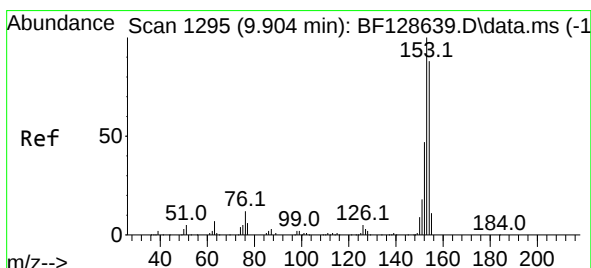
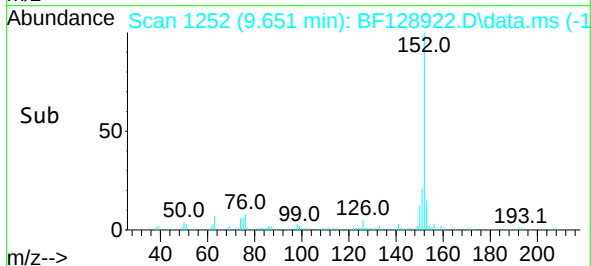
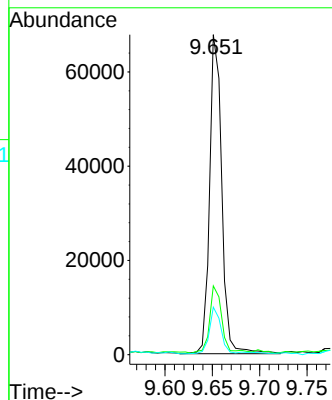
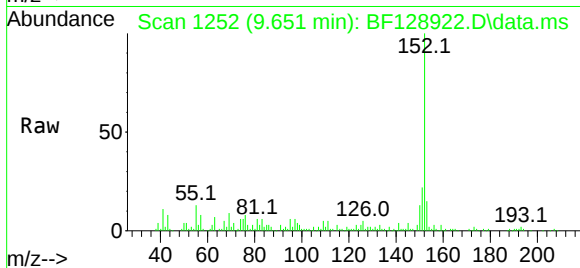
Tgt Ion:152 Resp: 60263

Ion Ratio Lower Upper

152 100

151 21.5 16.2 24.4

153 14.9 10.7 16.1



#52

Acenaphthene

Concen: 2.907 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

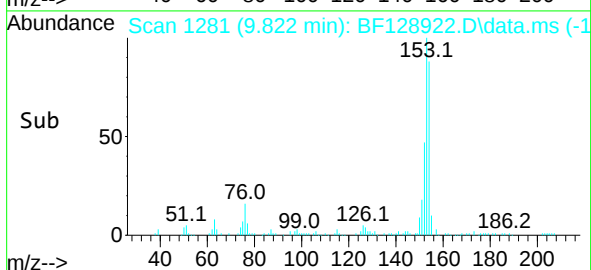
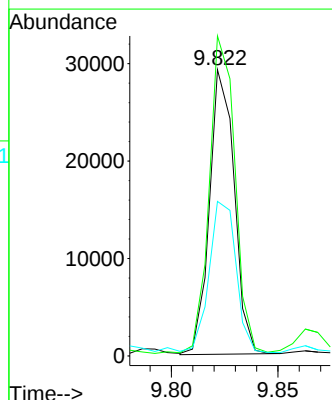
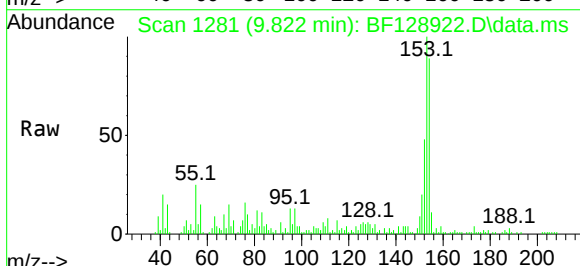
Tgt Ion:154 Resp: 23644

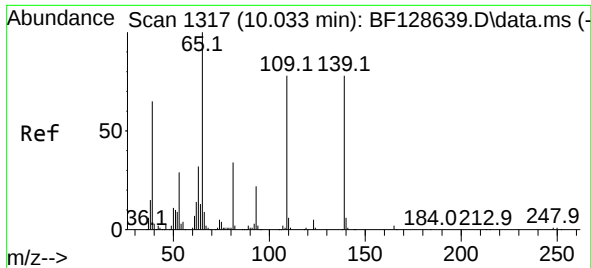
Ion Ratio Lower Upper

154 100

153 111.8 89.6 134.4

152 54.0 42.4 63.6

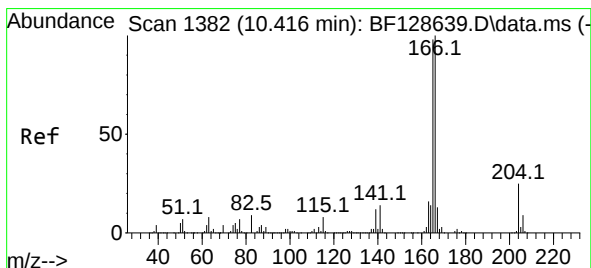
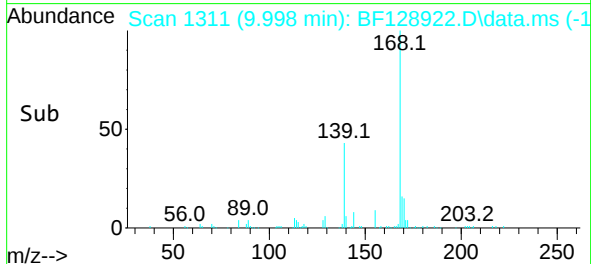
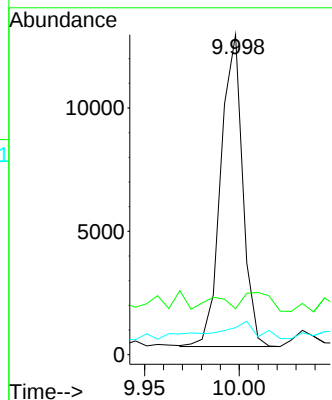
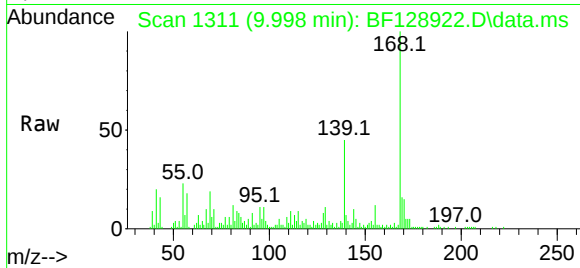




#56
4-Nitrophenol
Concen: 6.693 ng
RT: 9.998 min Scan# 1311
Delta R.T. 0.047 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

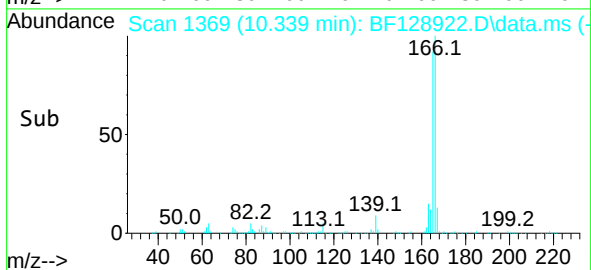
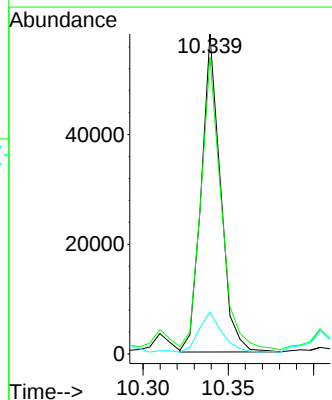
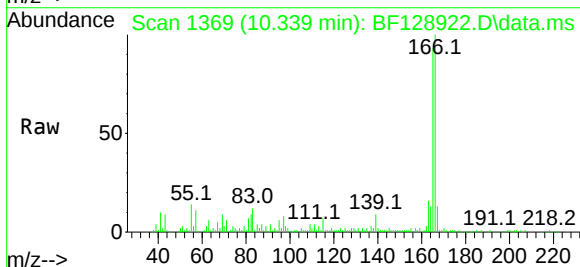
Instrument :
BNA_F
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EO-01-062022

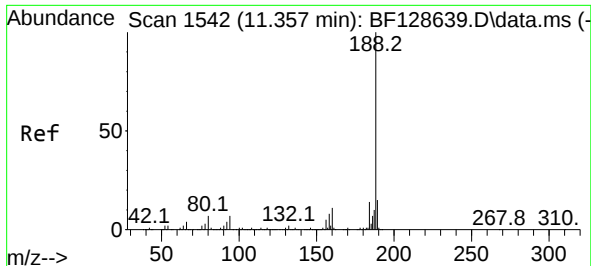
Tgt Ion:139 Resp: 10137
Ion Ratio Lower Upper
139 100
109 14.4 50.7 90.7#
65 8.4 74.5 114.5#



#58
Fluorene
Concen: 4.993 ng
RT: 10.339 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:166 Resp: 45261
Ion Ratio Lower Upper
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165 92.7 78.1 117.1
167 13.1 10.5 15.7

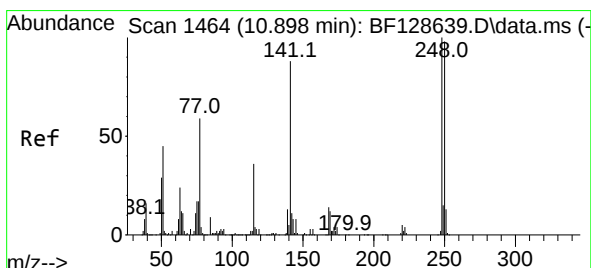
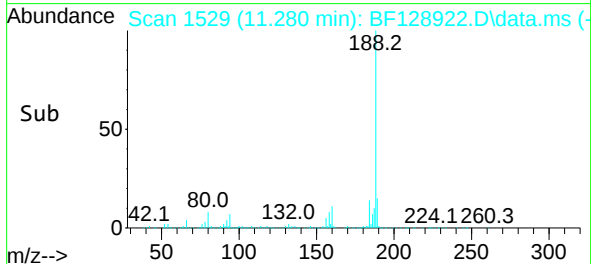
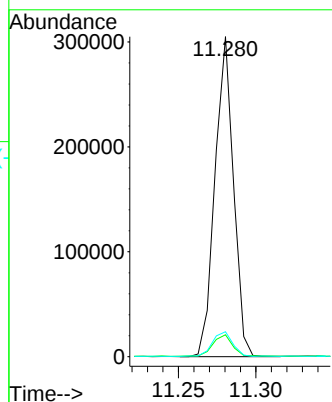
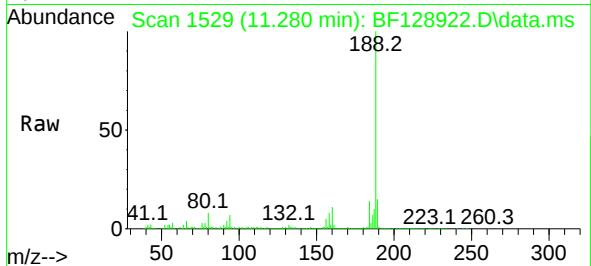




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

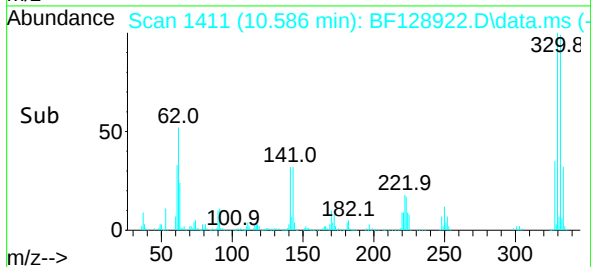
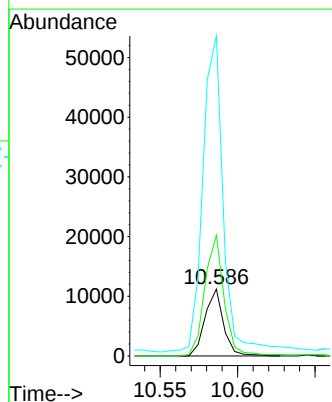
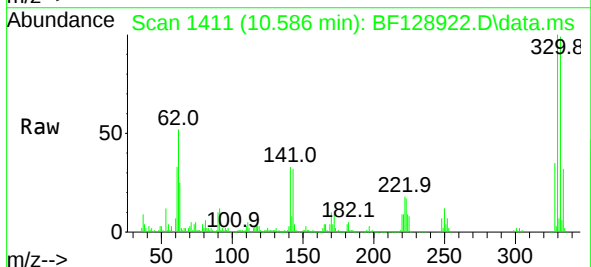
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

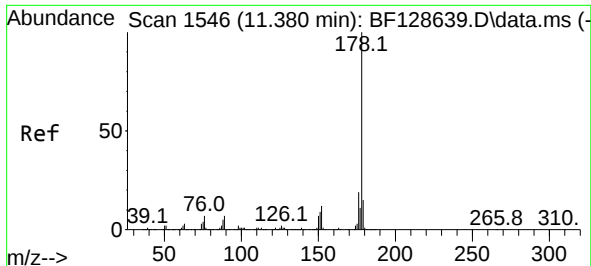
Tgt Ion:188 Resp: 253457
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6#
80 7.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.289 ng
RT: 10.586 min Scan# 1411
Delta R.T. -0.241 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:248 Resp: 9297
Ion Ratio Lower Upper
248 100
250 180.4 80.6 120.8#
141 478.8 58.9 88.3#

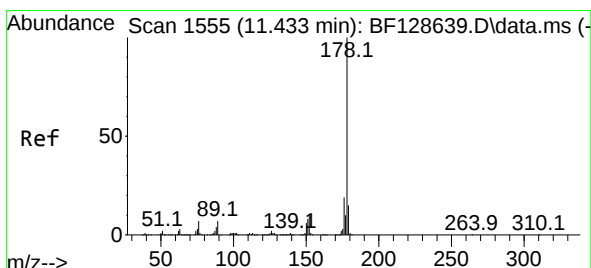
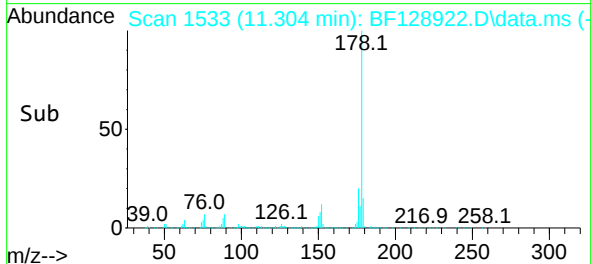
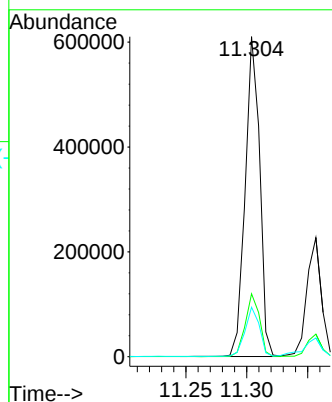
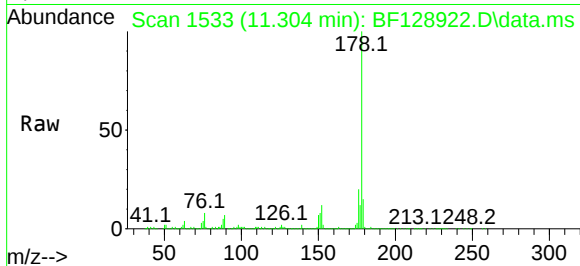




#71
Phenanthrene
Concen: 39.779 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

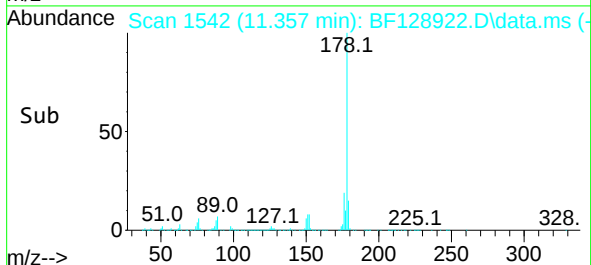
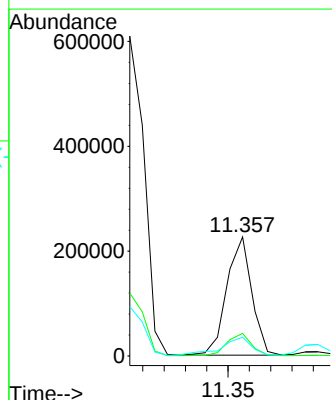
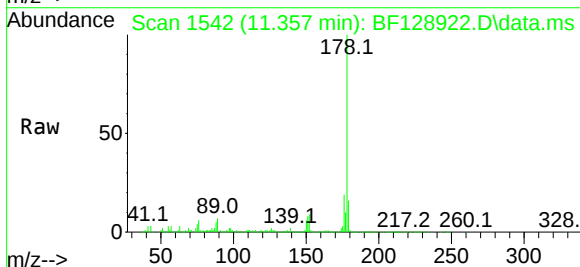
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

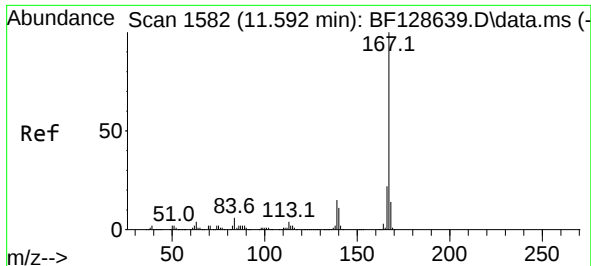
Tgt Ion:178 Resp: 505711
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.5 12.6 19.0



#72
Anthracene
Concen: 14.652 ng
RT: 11.357 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:178 Resp: 184372
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.7 12.6 19.0

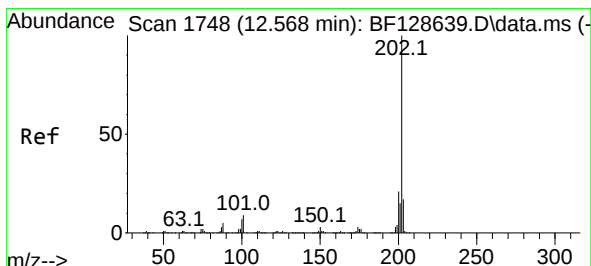
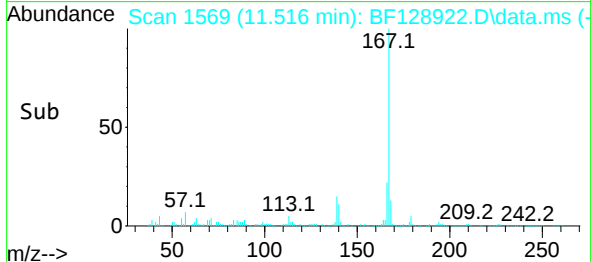
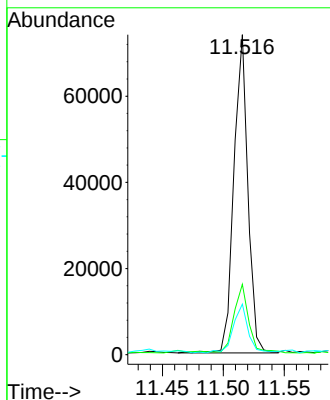
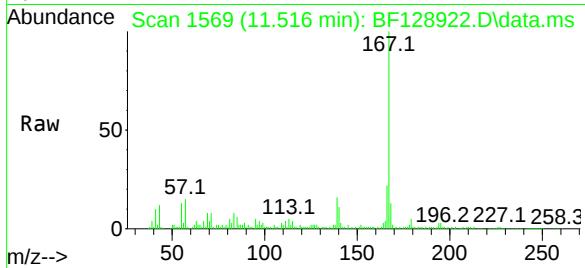




#73
 Carbazole
 Concen: 5.051 ng
 RT: 11.516 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

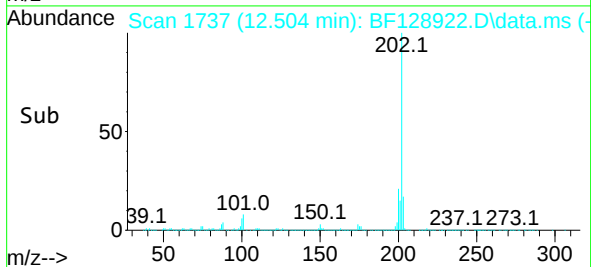
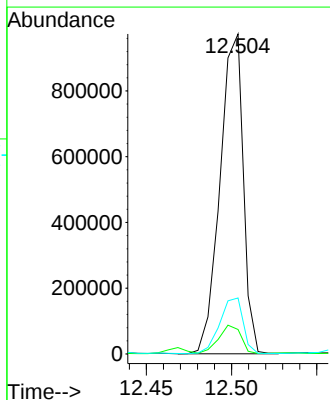
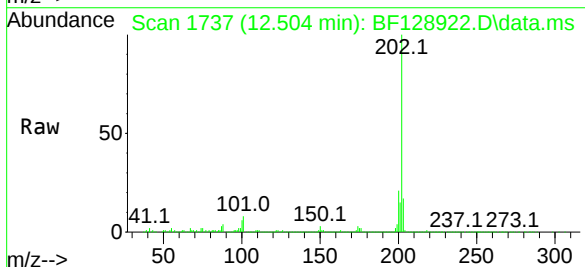
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022

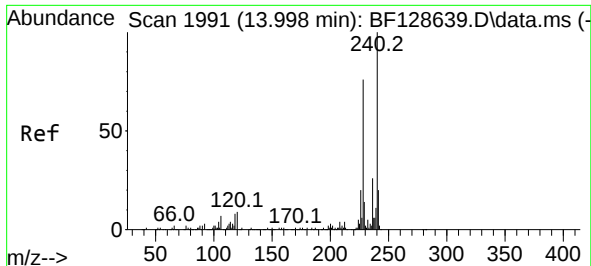
Tgt Ion:167	Resp:	59026
Ion Ratio	Lower	Upper
167	100	
166	22.0	17.7 26.5
139	15.8	11.2 16.8



#75
 Fluoranthene
 Concen: 69.450 ng
 RT: 12.504 min Scan# 1737
 Delta R.T. 0.006 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

Tgt Ion:202	Resp:	922898
Ion Ratio	Lower	Upper
202	100	
101	7.7	0.0 31.4
203	17.5	0.0 38.0

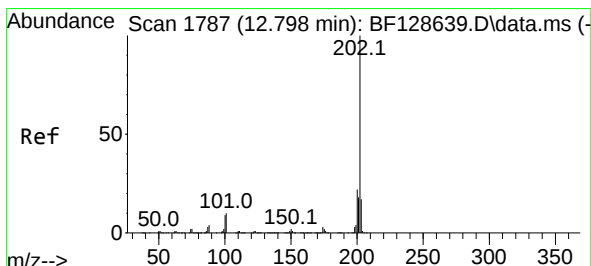
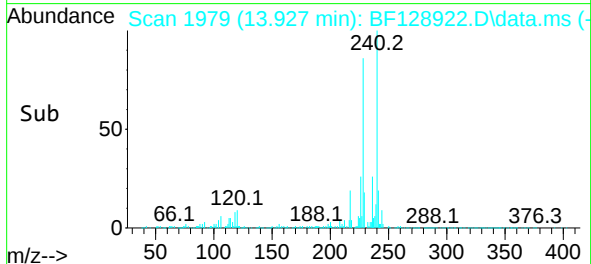
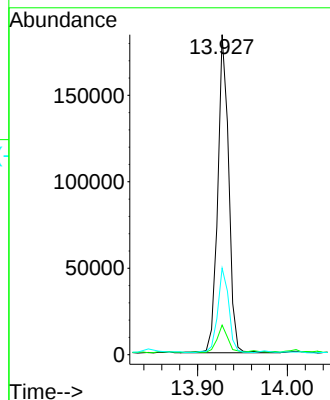
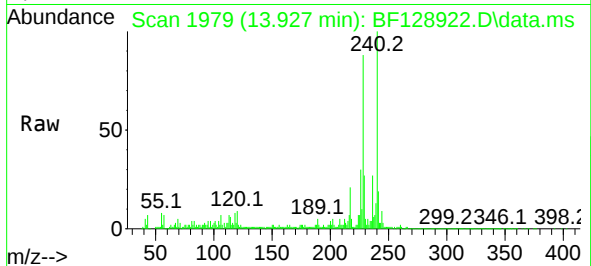




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

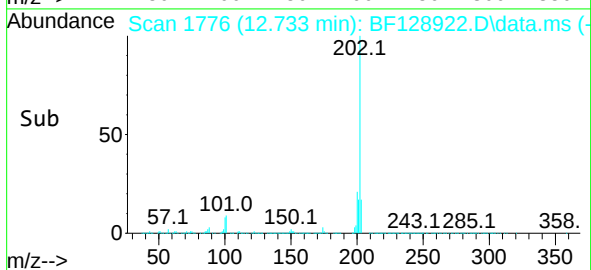
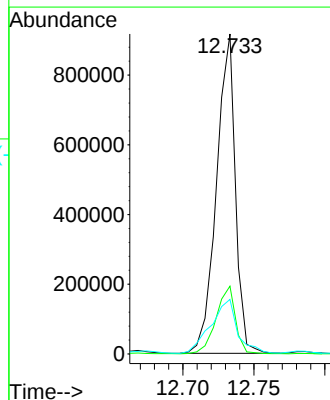
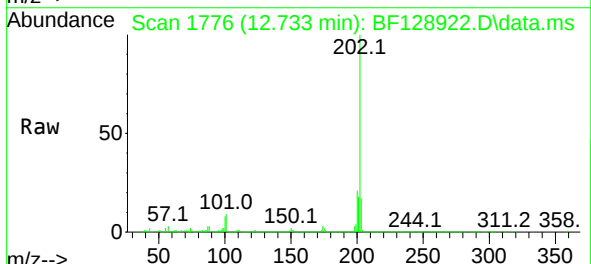
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

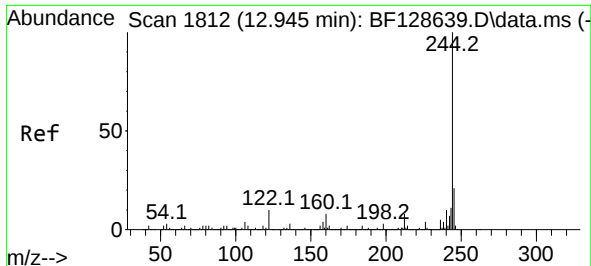
Tgt Ion:240 Resp: 156017
Ion Ratio Lower Upper
240 100
120 9.2 8.9 13.3
236 27.0 20.8 31.2



#78
Pyrene
Concen: 73.077 ng
RT: 12.733 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:202 Resp: 848249
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.1 14.6 21.8

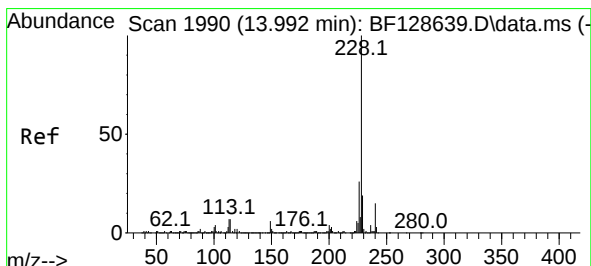
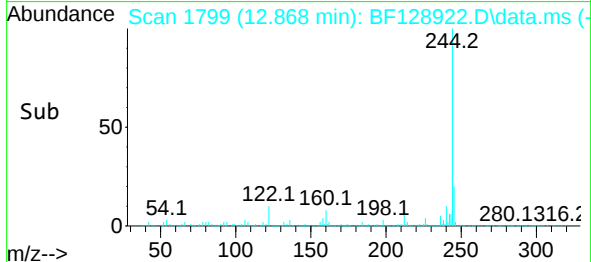
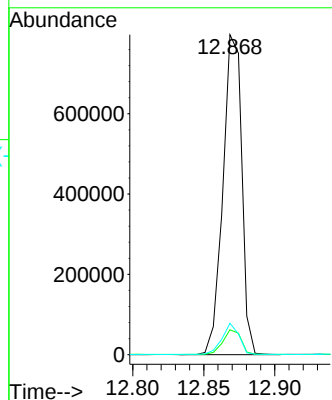
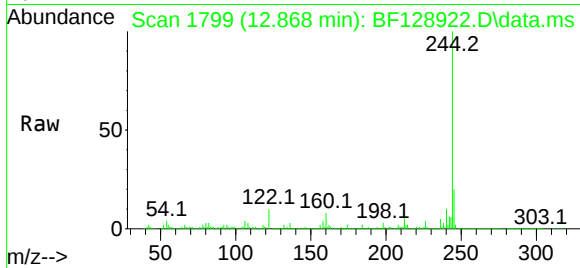




#79
 Terphenyl-d14
 Concen: 81.405 ng
 RT: 12.868 min Scan# 1799
 Delta R.T. -0.000 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

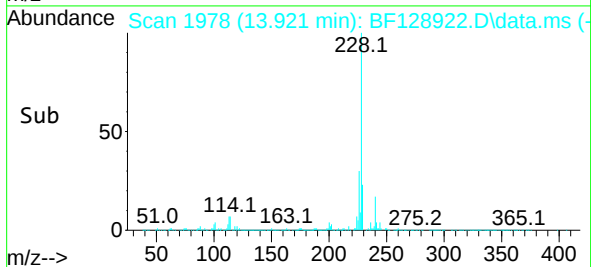
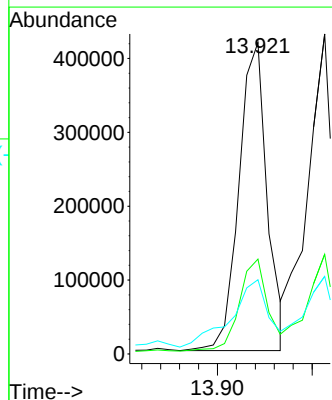
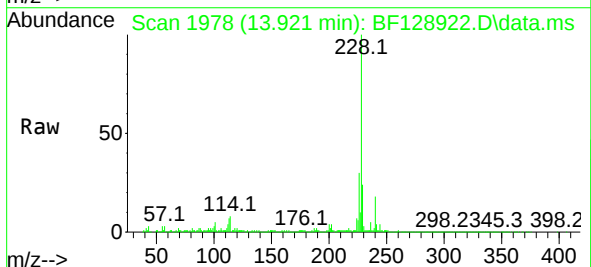
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062022

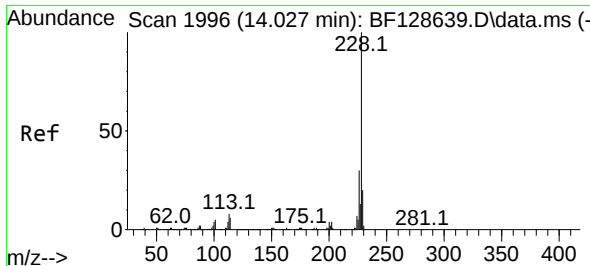
Tgt Ion:244 Resp: 730908
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 9.8 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 44.378 ng
 RT: 13.921 min Scan# 1978
 Delta R.T. 0.006 min
 Lab File: BF128922.D
 Acq: 22 Jun 2022 03:13

Tgt Ion:228 Resp: 431577
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.1 33.1
 229 23.9 15.8 23.8#

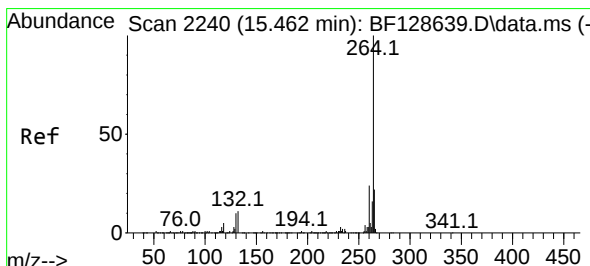
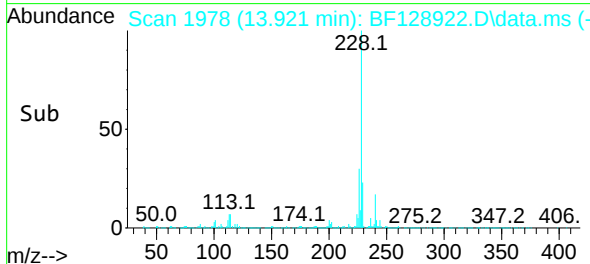
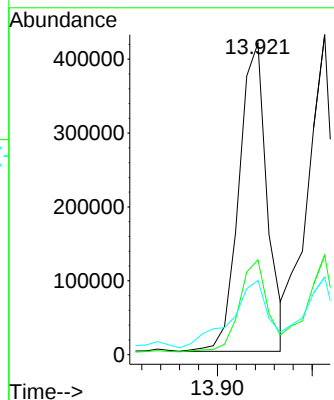
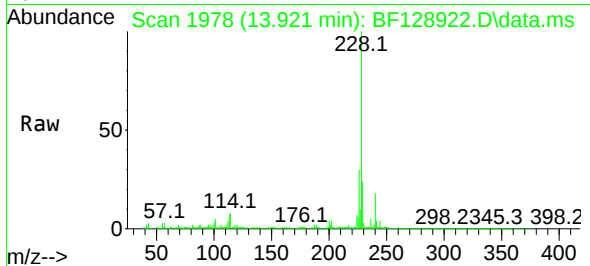




#83
Chrysene
Concen: 46.548 ng
RT: 13.921 min Scan# 1996
Delta R.T. -0.029 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

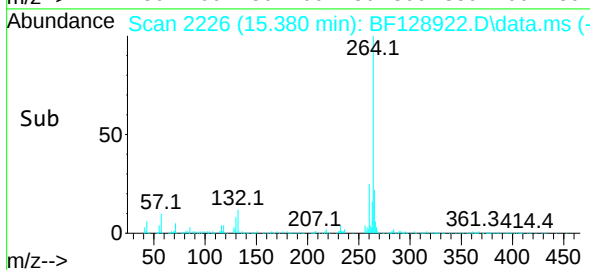
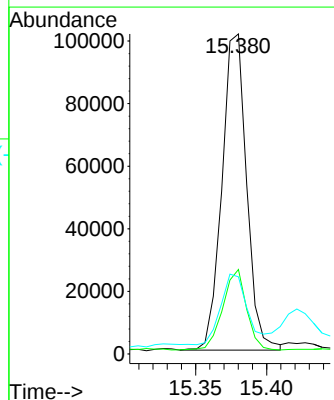
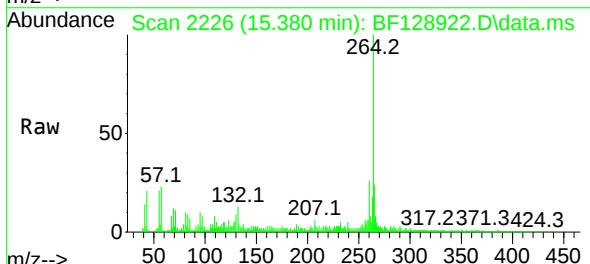
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

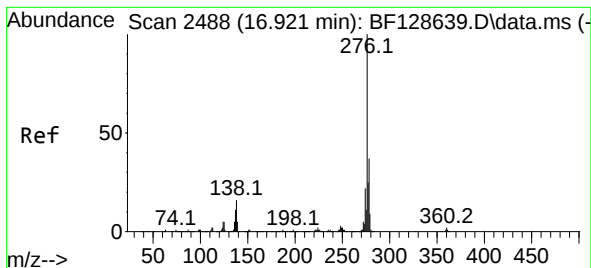
Tgt Ion:228 Resp: 431577
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 23.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.380 min Scan# 2226
Delta R.T. 0.018 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:264 Resp: 122081
Ion Ratio Lower Upper
264 100
260 26.4 18.4 27.6
265 24.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.230 ng

RT: 16.809 min Scan# 2488

Delta R.T. 0.018 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

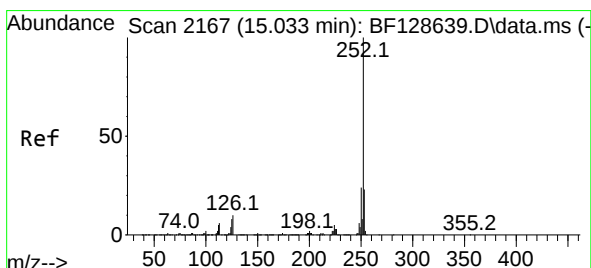
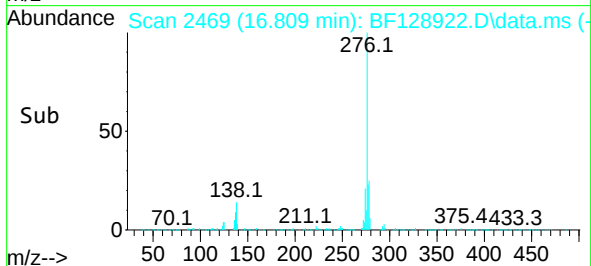
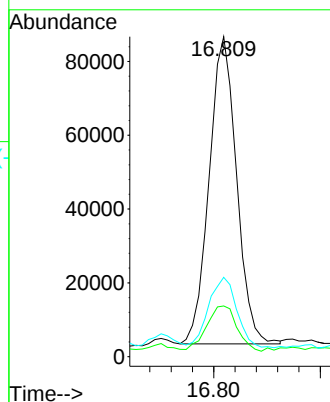
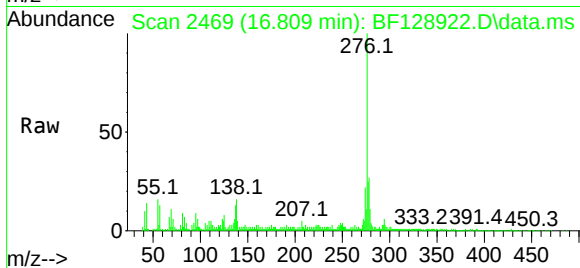
Tgt Ion:276 Resp: 148856

Ion Ratio Lower Upper

276 100

138 16.2 21.1 31.7#

277 23.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 69.023 ng

RT: 14.962 min Scan# 2155

Delta R.T. 0.012 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

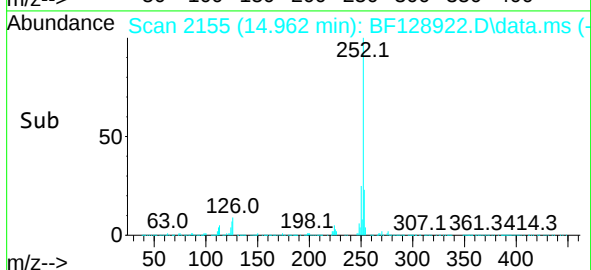
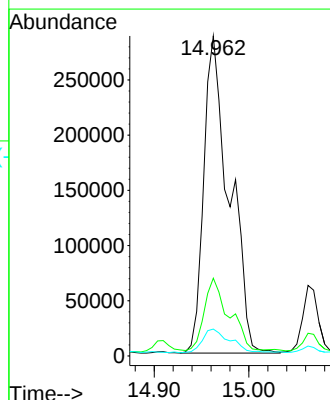
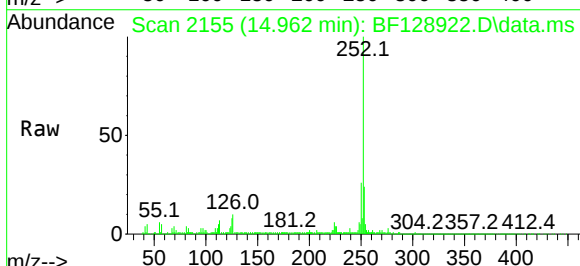
Tgt Ion:252 Resp: 538434

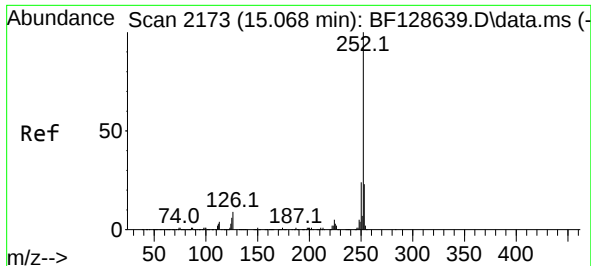
Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

125 8.4 8.0 12.0

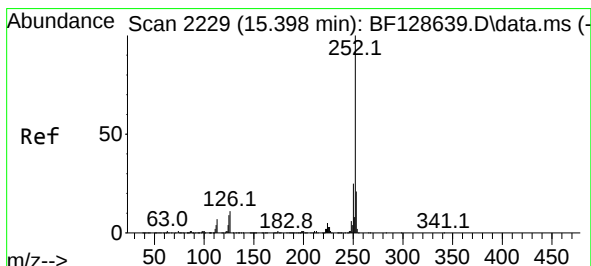
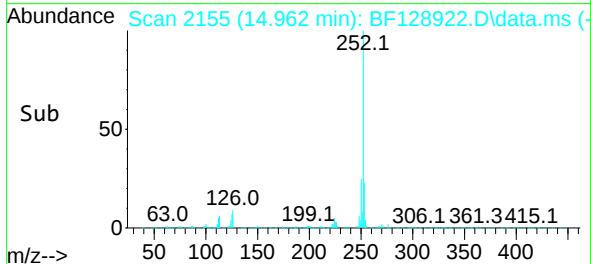
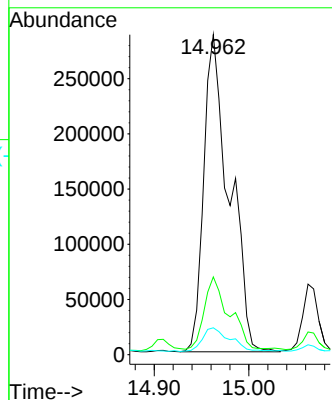
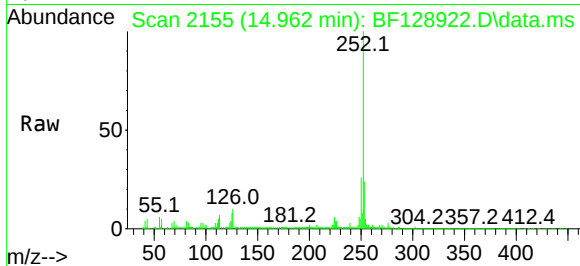




#89
Benzo(k)fluoranthene
Concen: 73.374 ng
RT: 14.962 min Scan# 2173
Delta R.T. -0.018 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

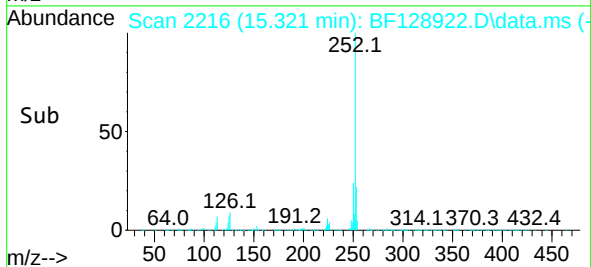
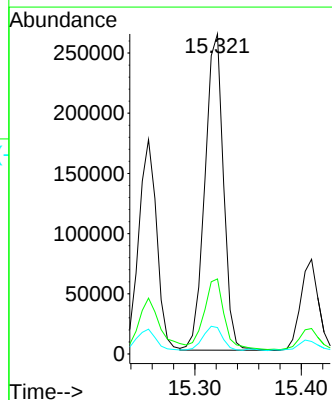
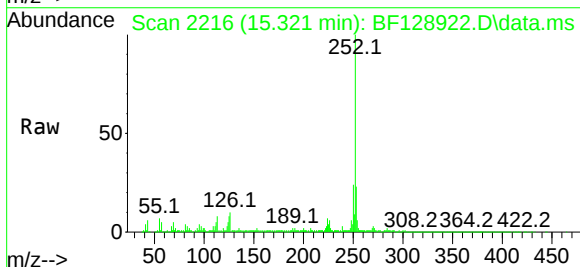
Instrument :
BNA_F
ClientSampleId :
EO-01-062022

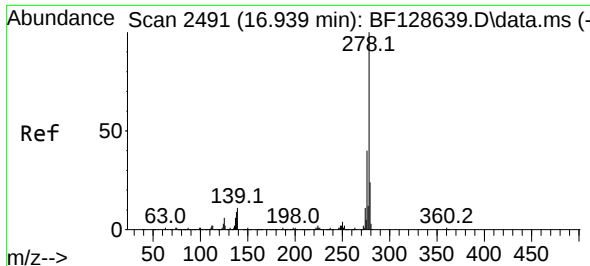
Tgt Ion:252 Resp: 538434
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 8.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 51.799 ng
RT: 15.321 min Scan# 2216
Delta R.T. 0.018 min
Lab File: BF128922.D
Acq: 22 Jun 2022 03:13

Tgt Ion:252 Resp: 317591
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 8.3 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 7.329 ng

RT: 16.809 min Scan# 2491

Delta R.T. 0.006 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Instrument :

BNA_F

ClientSampleId :

EO-01-062022

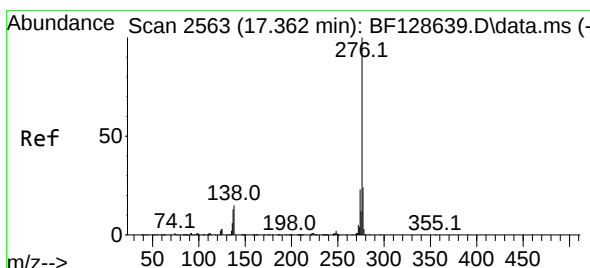
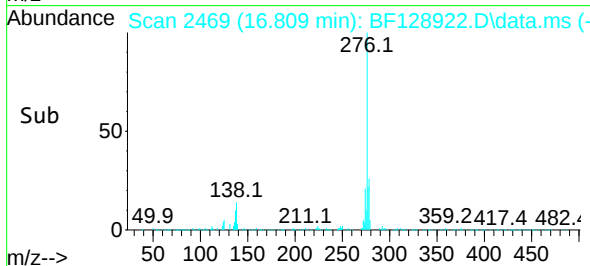
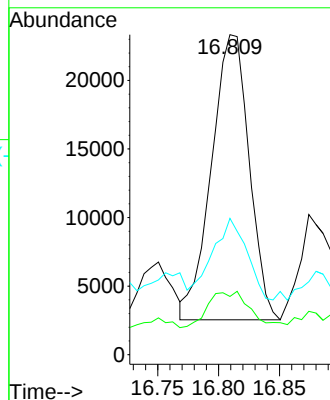
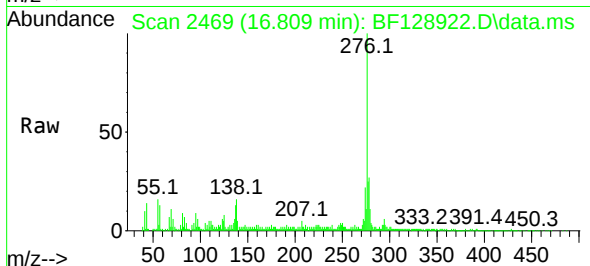
Tgt Ion:278 Resp: 44731

Ion Ratio Lower Upper

278 100

139 18.2 12.8 19.2

279 42.6 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 23.400 ng

RT: 17.245 min Scan# 2543

Delta R.T. 0.029 min

Lab File: BF128922.D

Acq: 22 Jun 2022 03:13

Tgt Ion:276 Resp: 141546

Ion Ratio Lower Upper

276 100

277 26.2 19.1 28.7

138 16.9 18.0 27.0#

