

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122420\
 Data File : BF122861.D
 Acq On : 24 Dec 2020 18:14
 Operator : JU/CG
 Sample : L5197-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-122320

Quant Time: Dec 25 00:06:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

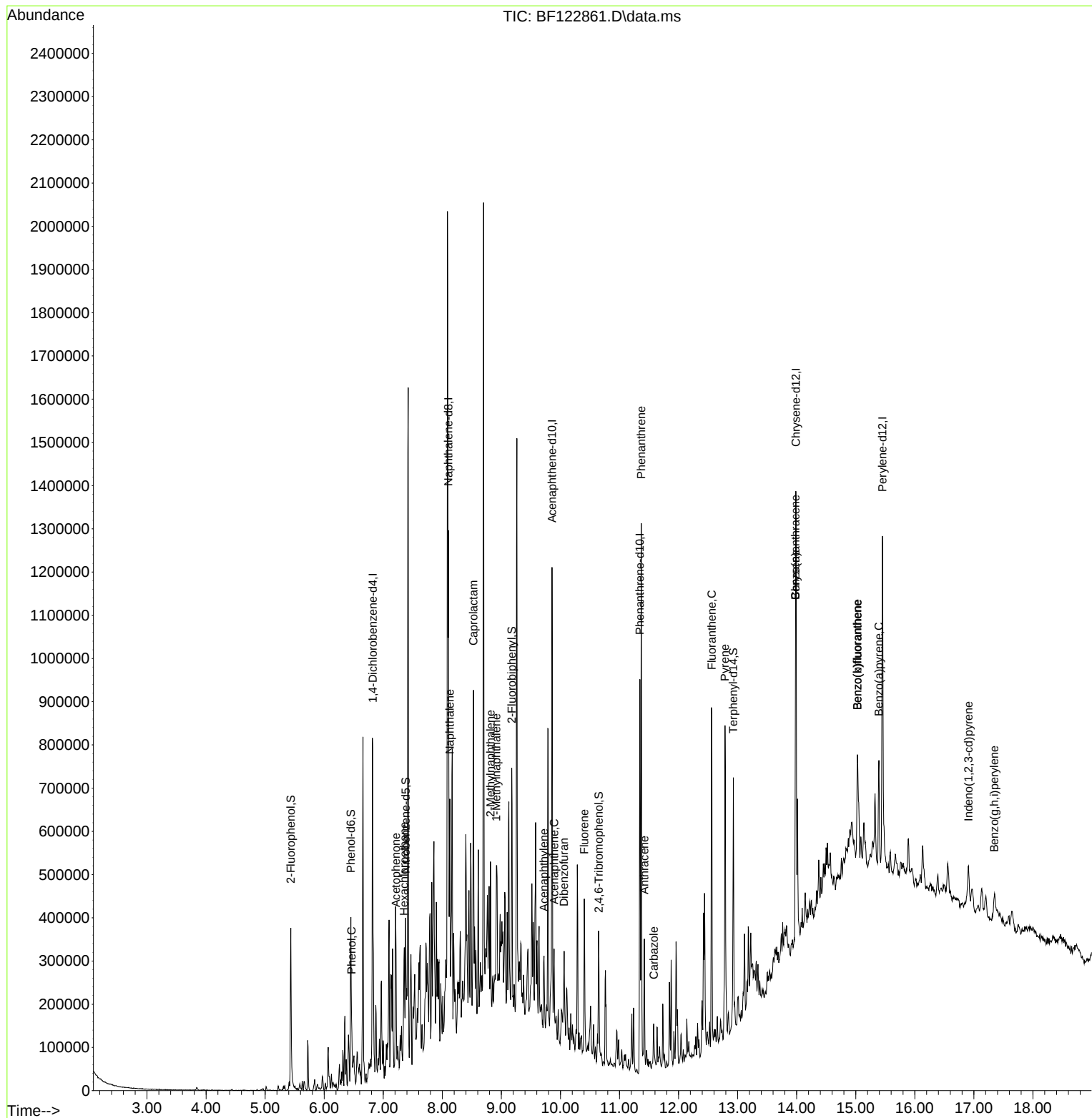
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	123973	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	441427	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	211828	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	327274	20.00	ng	0.00
76) Chrysene-d12	13.986	240	330964	20.00	ng	0.00
86) Perylene-d12	15.451	264	358540	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	132162	16.88	ng	0.00
7) Phenol-d6	6.451	99	161001	15.50	ng	0.00
23) Nitrobenzene-d5	7.381	82	89729	10.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	36498	13.16	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	180215	11.51	ng	-0.01
79) Terphenyl-d14	12.927	244	179606	9.50	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.463	94	23151	2.15	ng	97
18) Hexachloroethane	7.351	117	9886	2.69	ng	# 1
22) Acetophenone	7.216	105	32417	2.95	ng	# 54
31) Naphthalene	8.128	128	167167	6.86	ng	99
35) Caprolactam	8.528	113	15166	6.88	ng	# 24
37) 2-Methylnaphthalene	8.816	142	86117	5.34	ng	98
38) 1-Methylnaphthalene	8.916	142	70354	4.62	ng	97
49) Acenaphthylene	9.722	152	53110	2.47	ng	97
52) Acenaphthene	9.892	154	30825	2.21	ng	97
55) Dibenzofuran	10.063	168	56775	2.90	ng	# 97
58) Fluorene	10.404	166	94957	6.10	ng	100
71) Phenanthrene	11.369	178	451062	23.19	ng	98
72) Anthracene	11.421	178	111570	5.78	ng	97
73) Carbazole	11.580	167	43126	2.47	ng	99
75) Fluoranthene	12.563	202	334856	16.42	ng	96
78) Pyrene	12.786	202	304916	11.92	ng	98
81) Benzo(a)anthracene	13.980	228	150768	6.82	ng	97
83) Chrysene	13.980	228	150768	6.85	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	51050	2.17	ng	96
88) Benzo(b)fluoranthene	15.027	252	196925	7.83	ng	# 95
89) Benzo(k)fluoranthene	15.027	252	196925	8.56	ng	94
90) Benzo(a)pyrene	15.392	252	119855	5.45	ng	# 94
92) Benzo(g,h,i)perylene	17.345	276	44524	2.39	ng	92

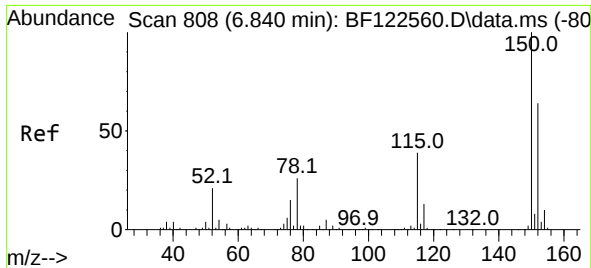
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

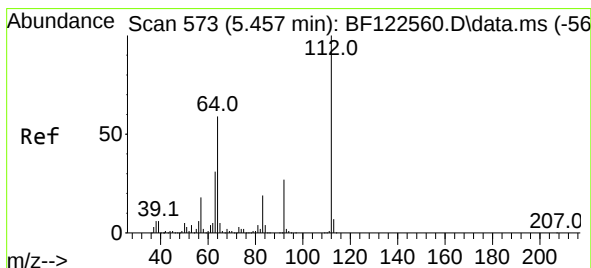
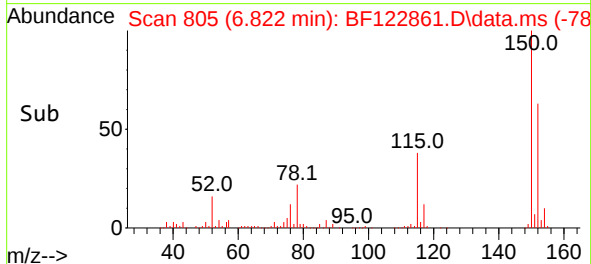
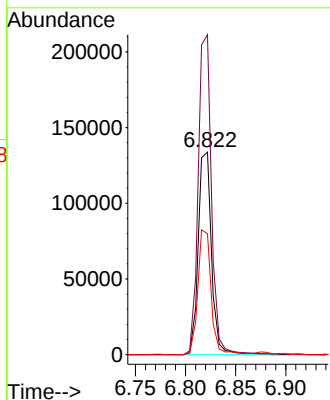
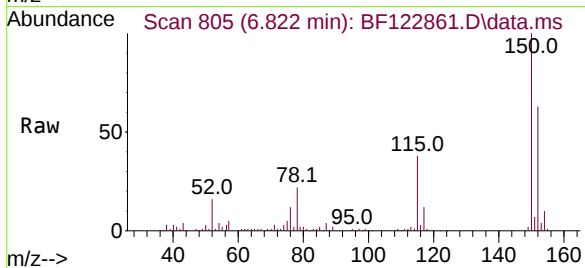




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

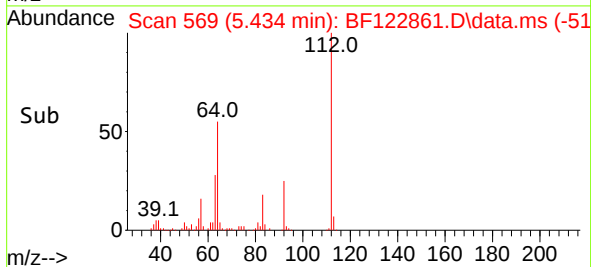
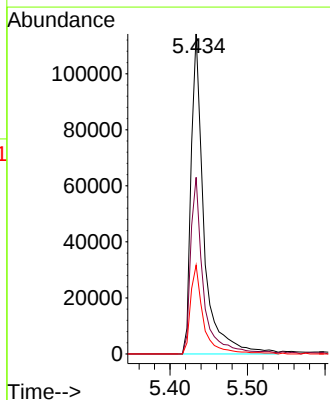
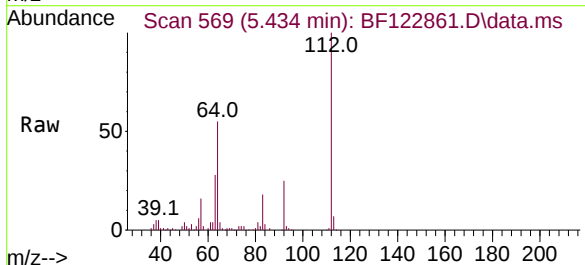
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

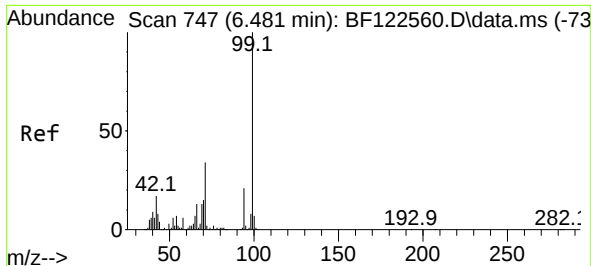
Tgt Ion:152 Resp: 123973
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.6
115 59.7 49.3 73.9



#5
2-Fluorophenol
Concen: 16.88 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:112 Resp: 132162
Ion Ratio Lower Upper
112 100
64 55.2 46.9 70.3
63 27.8 24.5 36.7

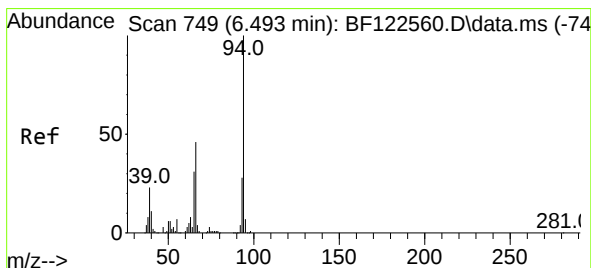
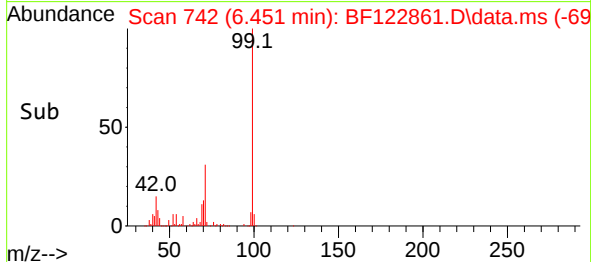
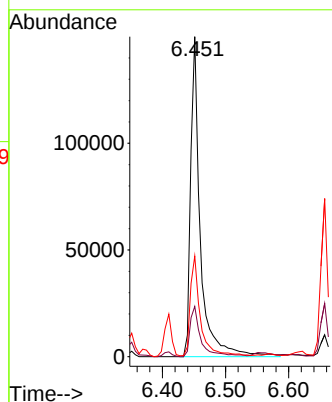
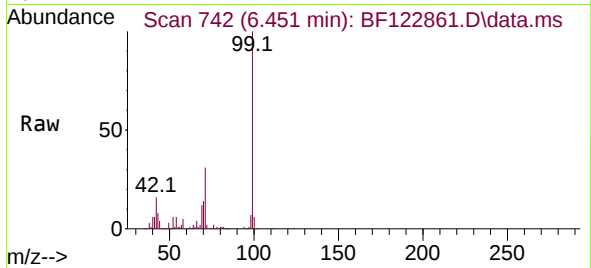




#7
Phenol-d6
Concen: 15.50 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

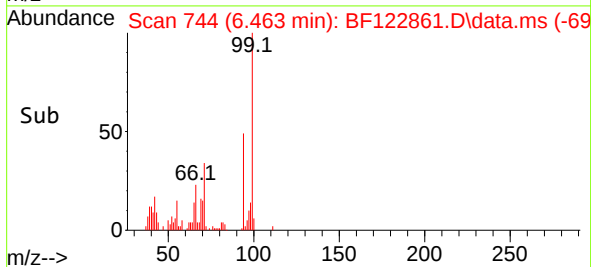
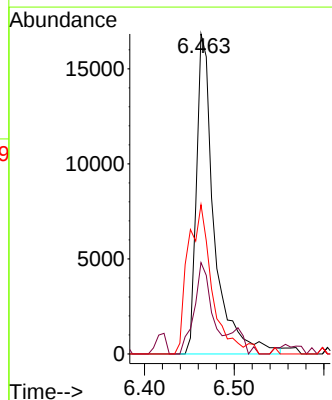
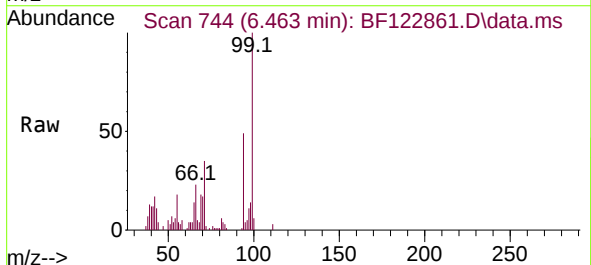
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

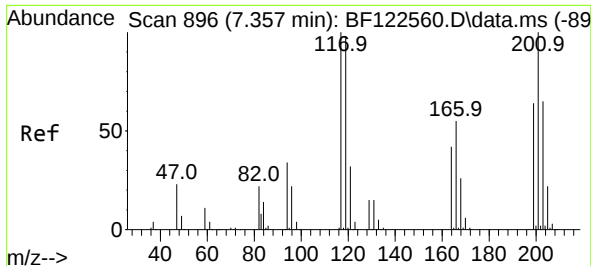
Tgt Ion: 99 Resp: 161001
Ion Ratio Lower Upper
99 100
42 15.7 13.8 20.6
71 31.4 26.9 40.3



#10
Phenol
Concen: 2.15 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion: 94 Resp: 23151
Ion Ratio Lower Upper
94 100
65 28.5 11.2 51.2
66 46.6 25.8 65.8

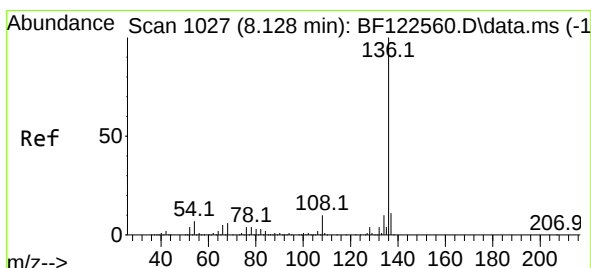
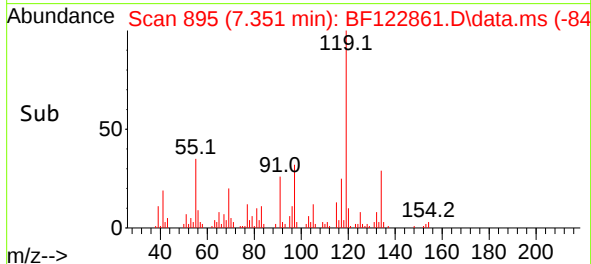
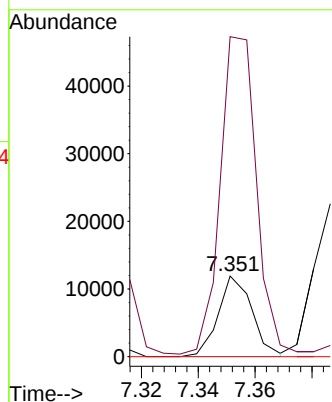
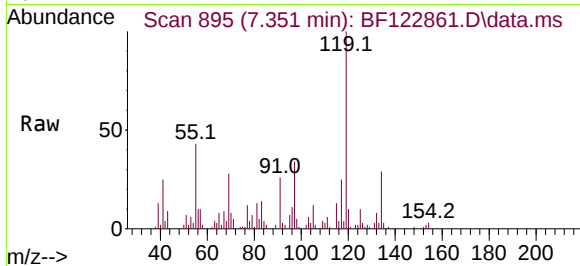




#18
Hexachloroethane
Concen: 2.69 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.017 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

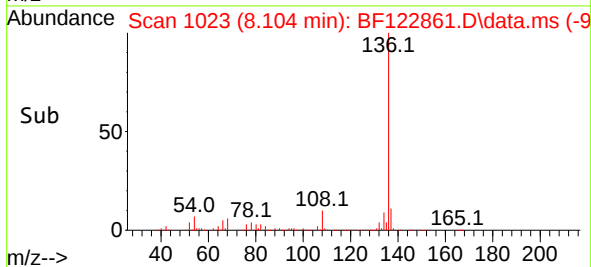
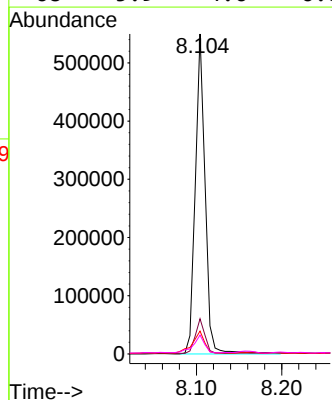
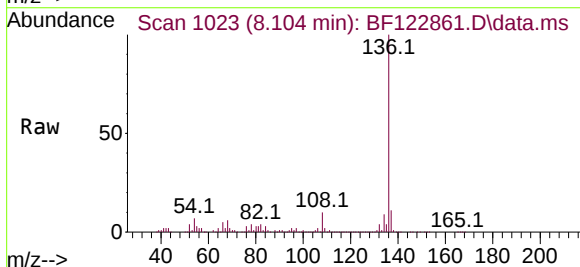
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

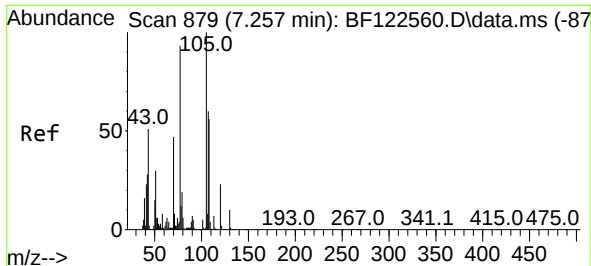
Tgt Ion:117 Resp: 9886
Ion Ratio Lower Upper
117 100
119 396.8 78.4 117.6#
201 0.0 79.6 119.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:136 Resp: 441427
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.2 5.5 8.3
68 5.9 4.6 6.8

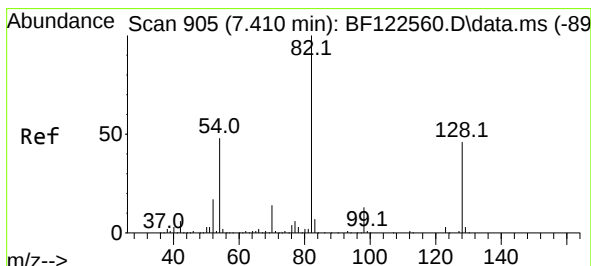
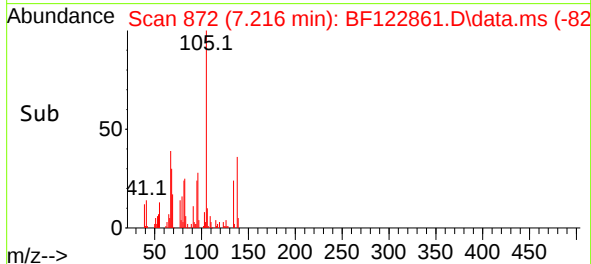
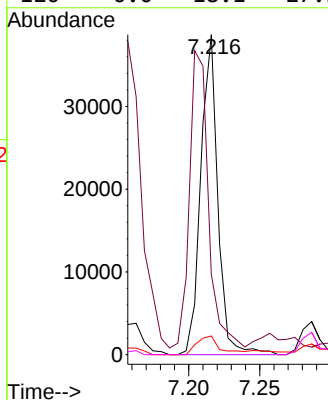
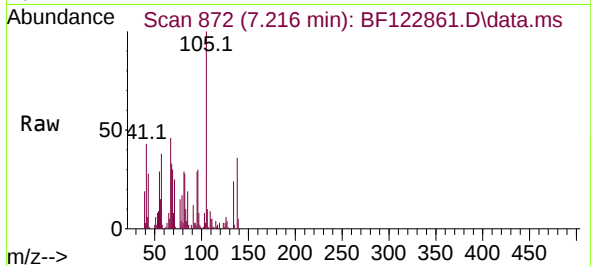




#22
Acetophenone
Concen: 2.95 ng
RT: 7.216 min Scan# 872
Delta R.T. -0.018 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

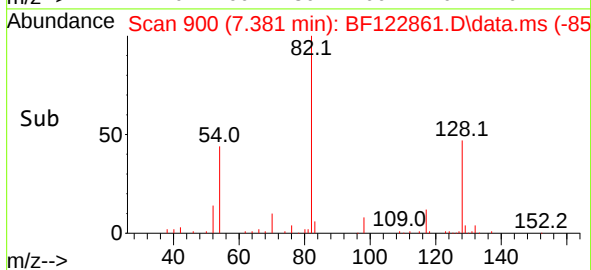
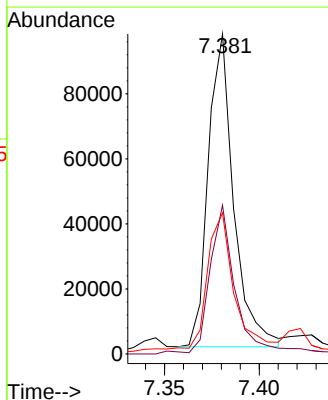
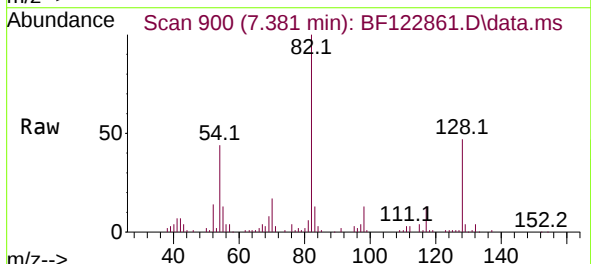
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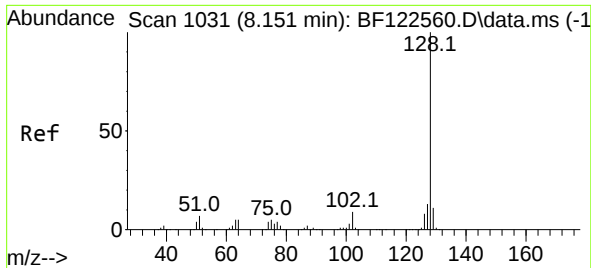
Tgt Ion:	105	Resp:	32417
Ion Ratio	Lower	Upper	
105	100		
71	25.1	6.5	9.7#
51	5.9	24.3	36.5#
120	0.0	18.1	27.1#



#23
Nitrobenzene-d5
Concen: 10.18 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:	82	Resp:	89729
Ion Ratio	Lower	Upper	
82	100		
128	46.5	37.0	55.4
54	44.1	38.4	57.6

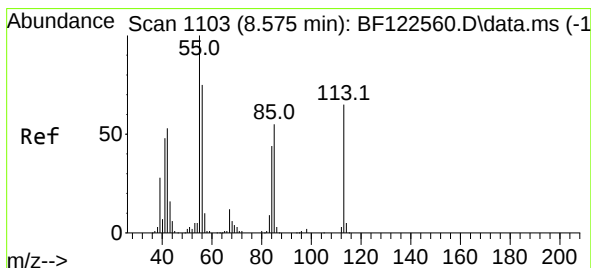
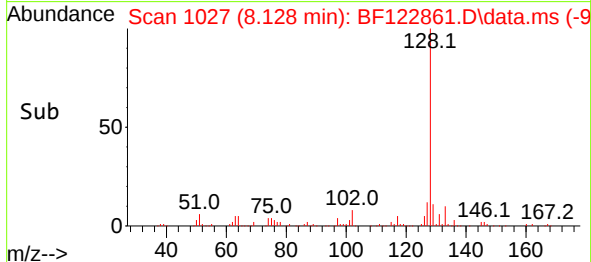
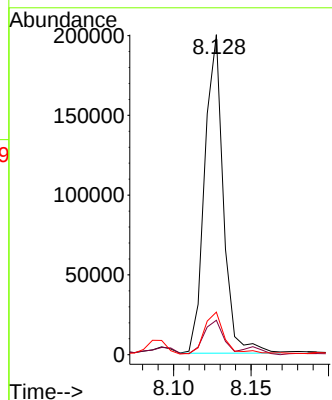
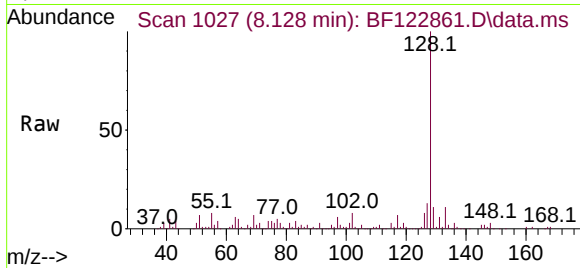




#31
Naphthalene
Concen: 6.86 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

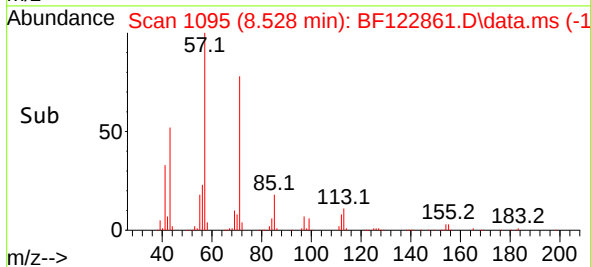
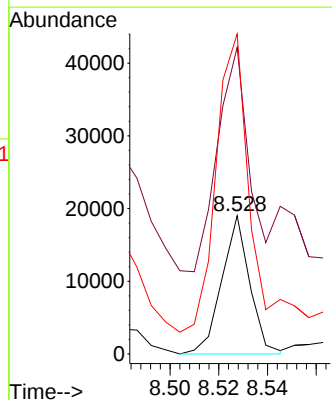
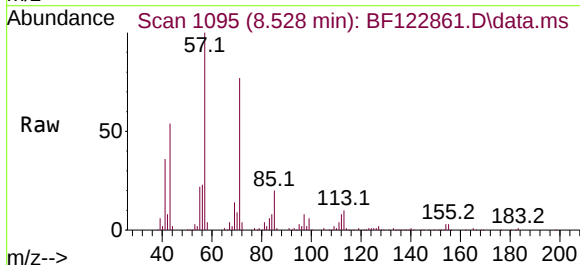
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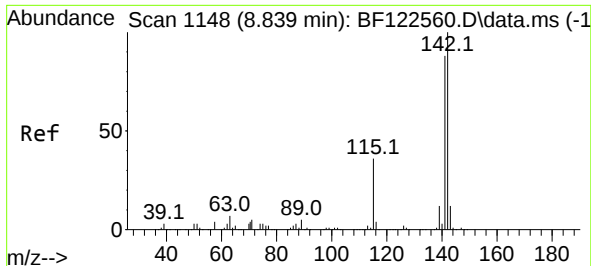
Tgt Ion:128 Resp: 167167
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.3 10.7 16.1



#35
Caprolactam
Concen: 6.88 ng
RT: 8.528 min Scan# 1095
Delta R.T. -0.024 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:113 Resp: 15166
Ion Ratio Lower Upper
113 100
55 221.7 133.7 173.7#
56 231.4 95.3 135.3#

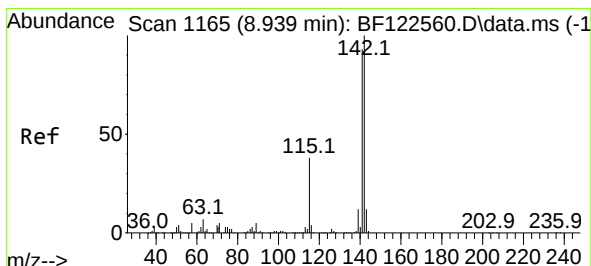
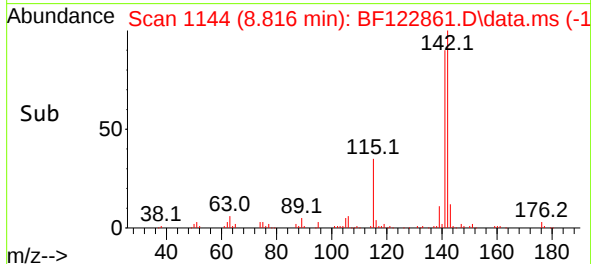
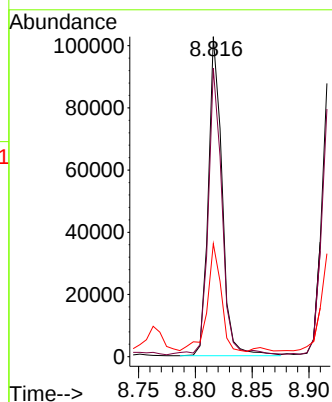
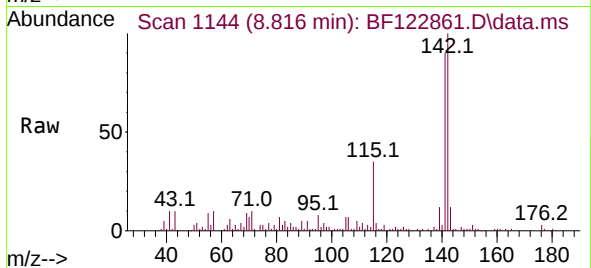




#37
2-Methylnaphthalene
Concen: 5.34 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

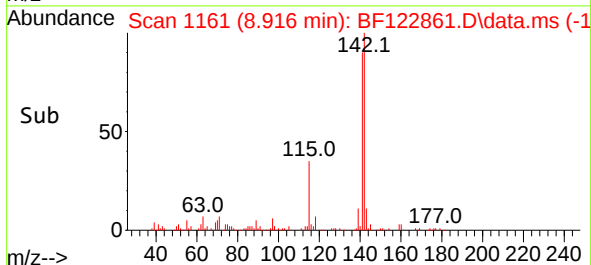
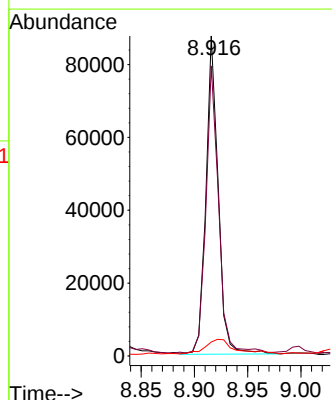
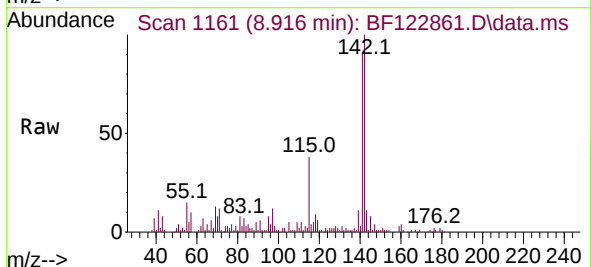
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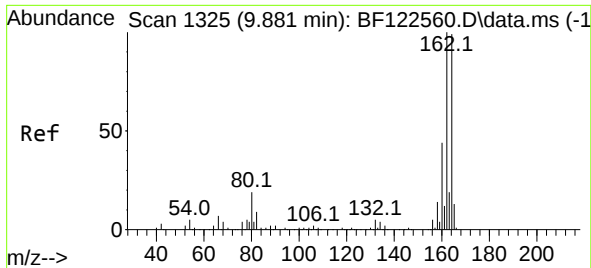
Tgt Ion:142 Resp: 86117
Ion Ratio Lower Upper
142 100
141 90.1 70.6 106.0
115 35.3 28.7 43.1



#38
1-Methylnaphthalene
Concen: 4.62 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:142 Resp: 70354
Ion Ratio Lower Upper
142 100
141 90.6 74.5 111.7
116 4.4 3.2 4.8

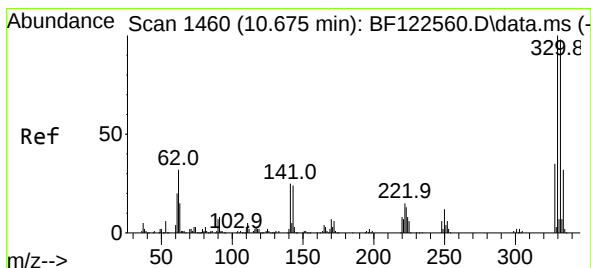
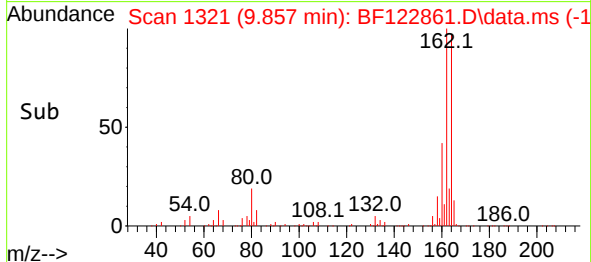
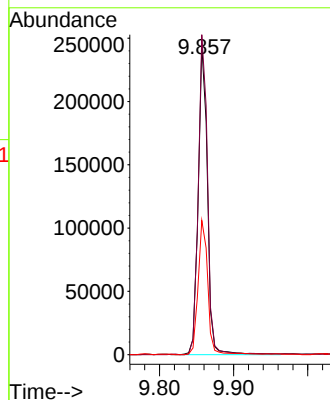
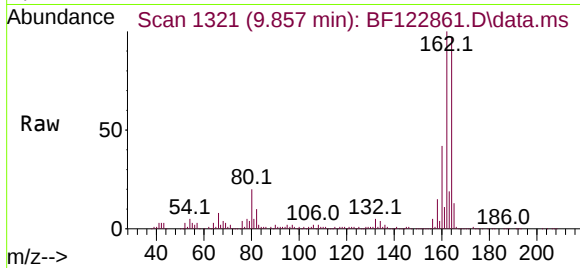




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

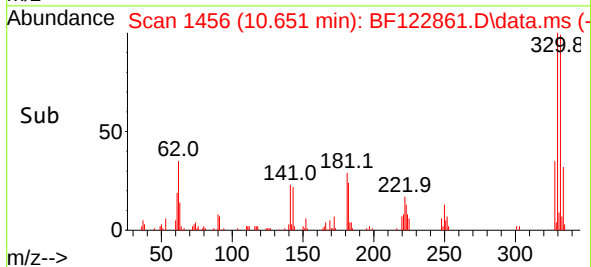
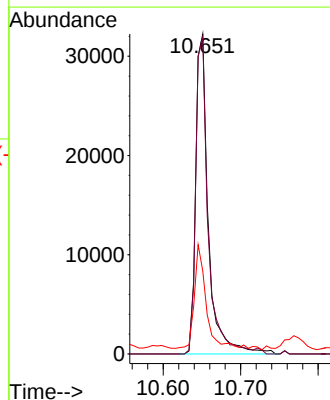
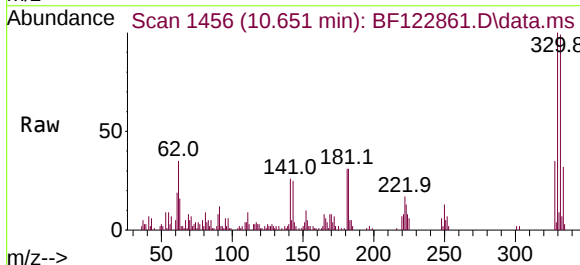
Instrument :
BNA_F
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EO-01-122320

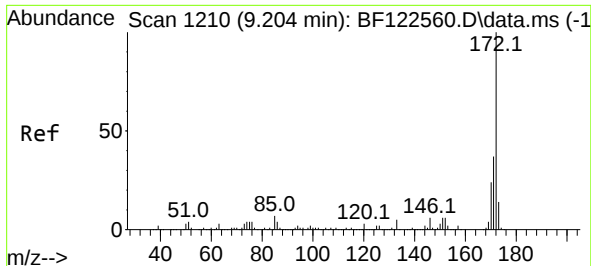
Tgt Ion:164 Resp: 211828
Ion Ratio Lower Upper
164 100
162 103.5 80.8 121.2
160 43.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 13.16 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:330 Resp: 36498
Ion Ratio Lower Upper
330 100
332 97.8 77.5 116.3
141 29.3 23.8 35.8





#45

2-Fluorobiphenyl

Concen: 11.51 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.012 min

Lab File: BF122861.D

Acq: 24 Dec 2020 18:14

Tgt Ion:172 Resp: 180215

Ion Ratio Lower Upper

172 100

171 35.7 29.6 44.4

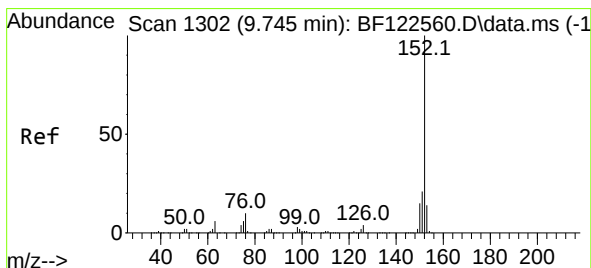
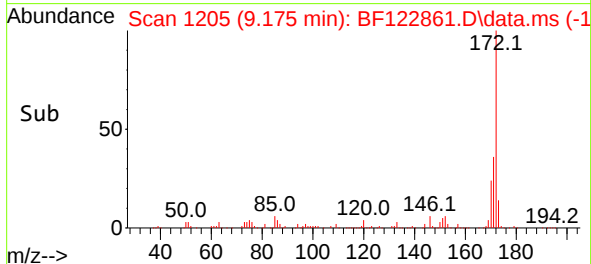
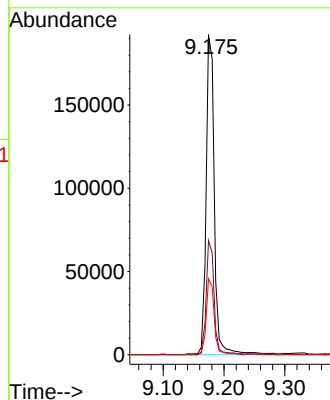
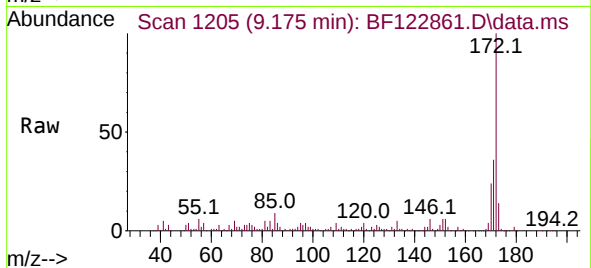
170 23.7 19.5 29.3

Instrument :

BNA_F

ClientSampleId :

EO-01-122320



#49

Acenaphthylene

Concen: 2.47 ng

RT: 9.722 min Scan# 1298

Delta R.T. -0.000 min

Lab File: BF122861.D

Acq: 24 Dec 2020 18:14

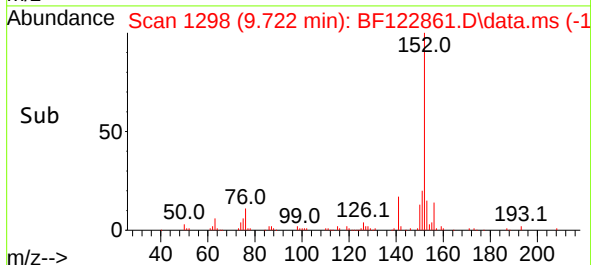
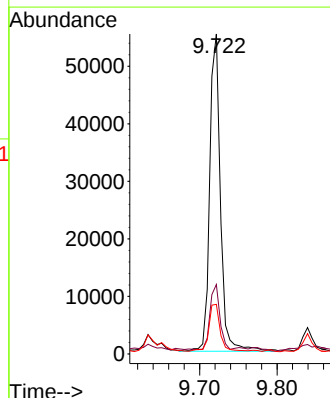
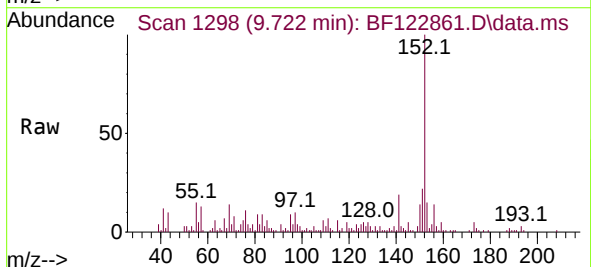
Tgt Ion:152 Resp: 53110

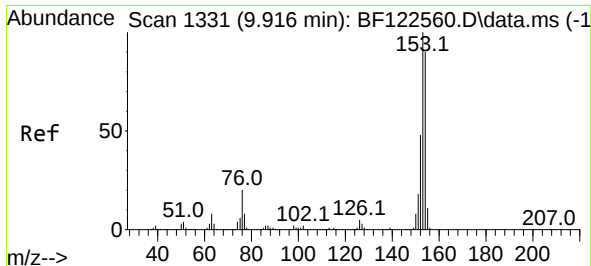
Ion Ratio Lower Upper

152 100

151 21.7 16.6 25.0

153 15.5 10.9 16.3

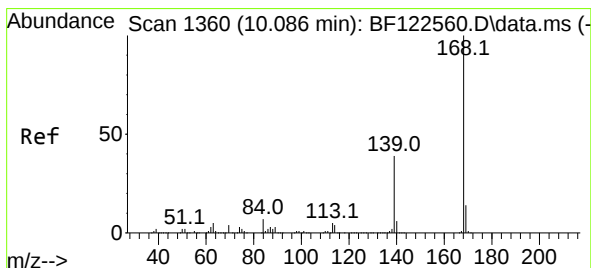
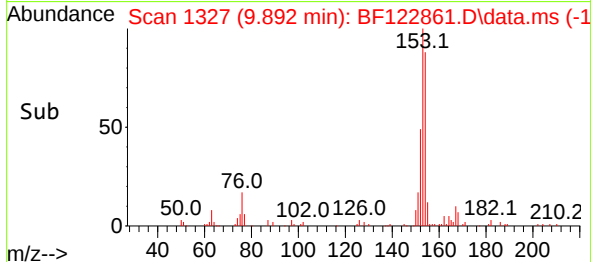
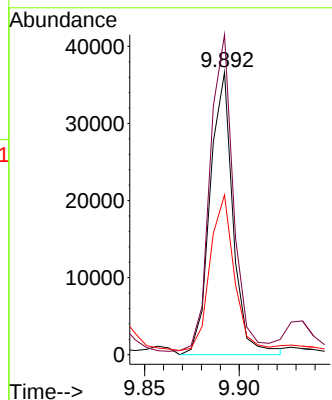
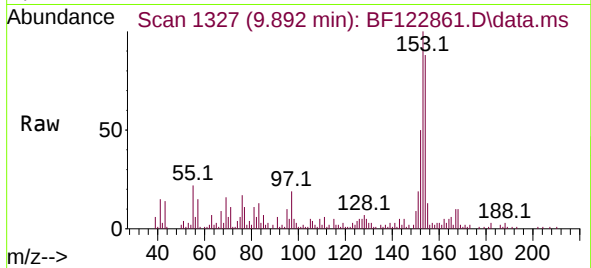




#52
Acenaphthene
Concen: 2.21 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

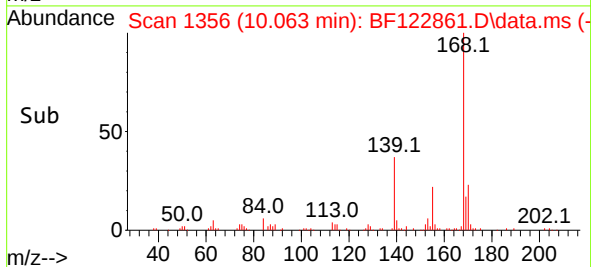
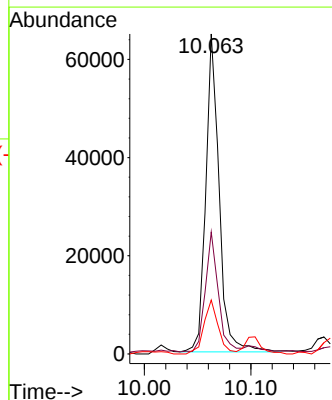
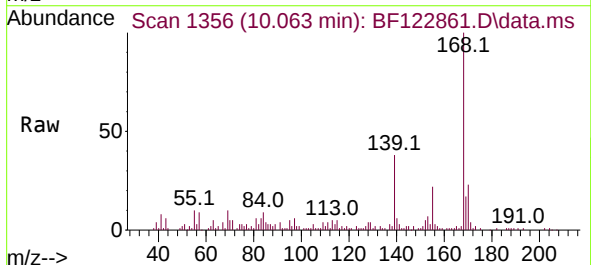
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

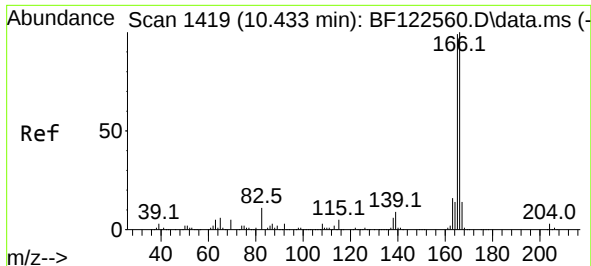
Tgt Ion:154 Resp: 30825
Ion Ratio Lower Upper
154 100
153 113.3 89.0 133.6
152 56.6 42.7 64.1



#55
Dibenzofuran
Concen: 2.90 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:168 Resp: 56775
Ion Ratio Lower Upper
168 100
139 38.1 31.3 46.9
169 16.9 11.2 16.8#

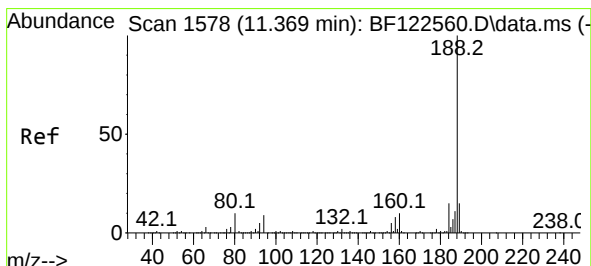
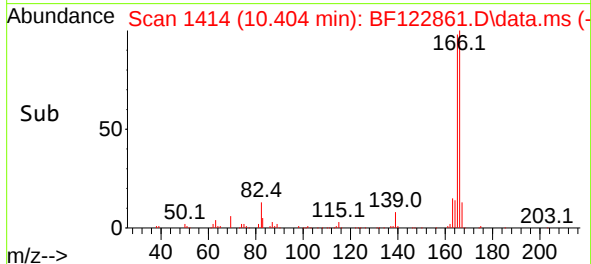
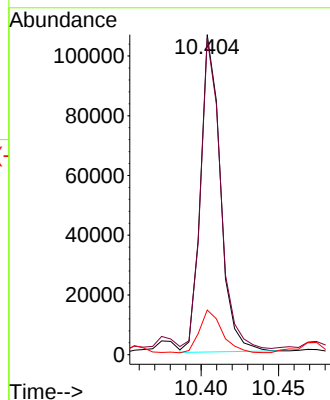
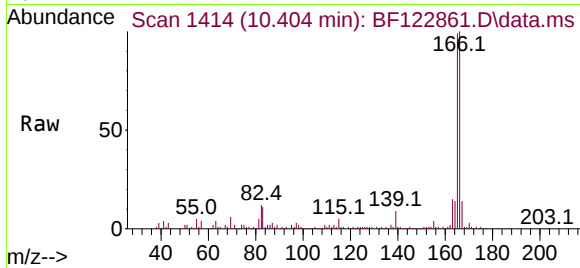




#58
Fluorene
Concen: 6.10 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

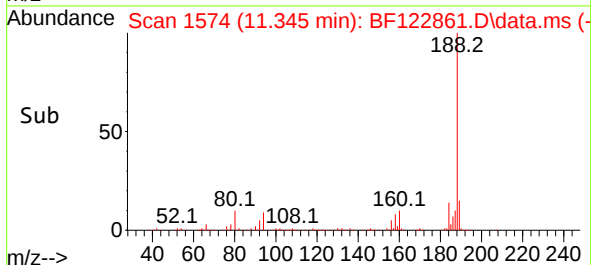
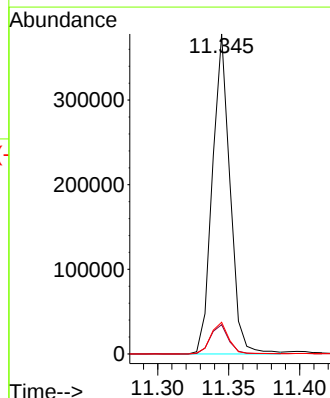
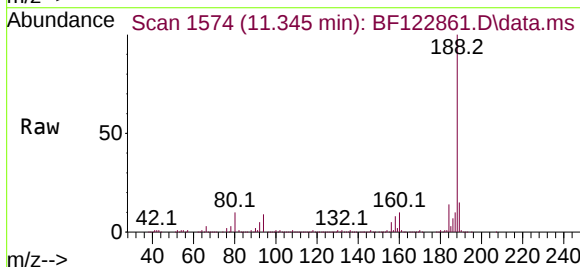
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

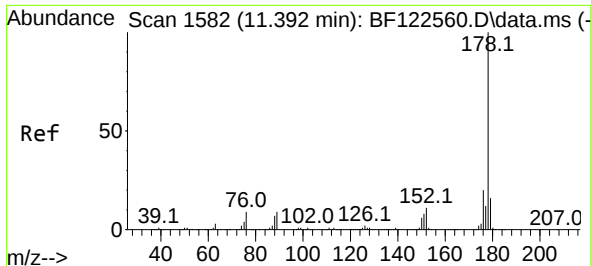
Tgt Ion:166 Resp: 94957
Ion Ratio Lower Upper
166 100
165 98.9 79.4 119.0
167 13.9 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:188 Resp: 327274
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 9.9 8.2 12.4

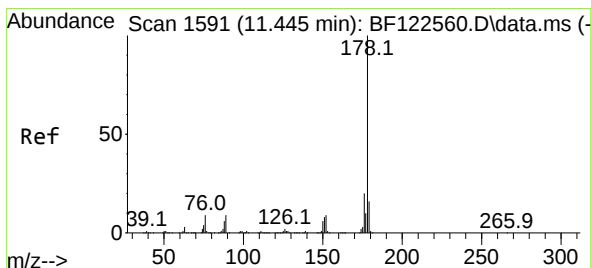
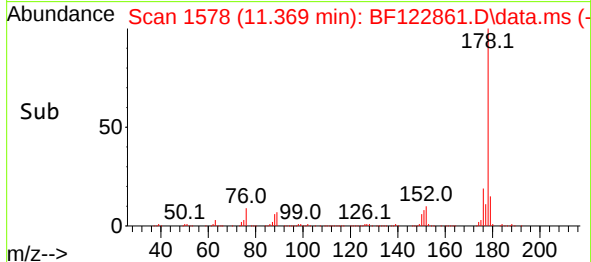
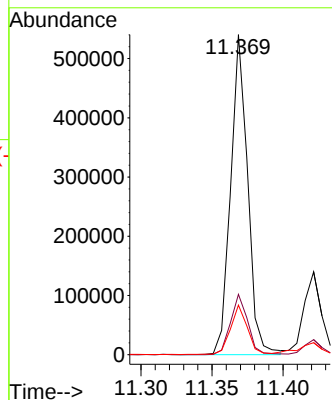
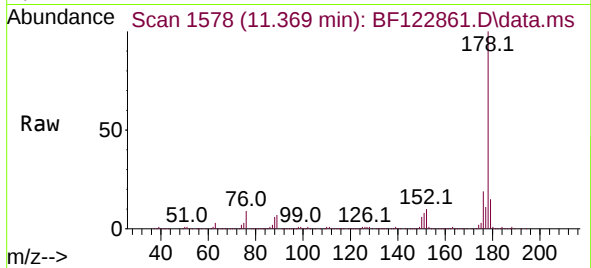




#71
Phenanthrene
Concen: 23.19 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

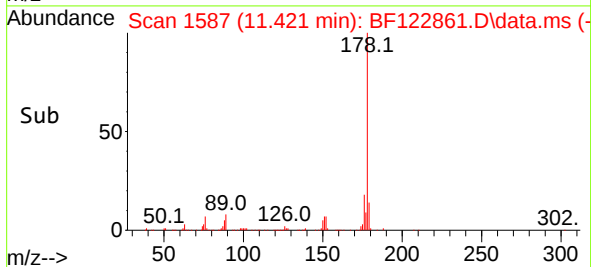
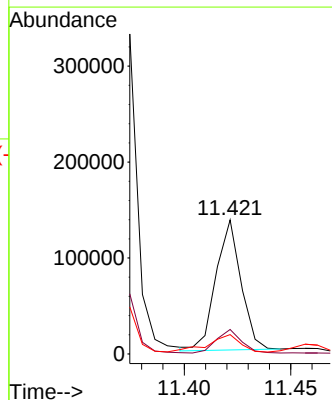
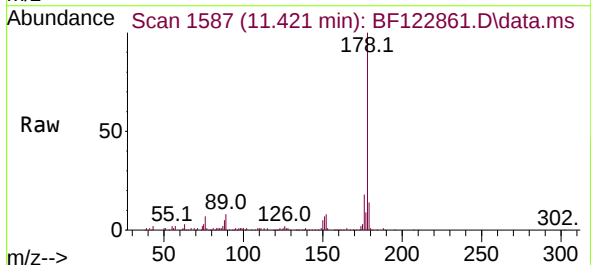
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

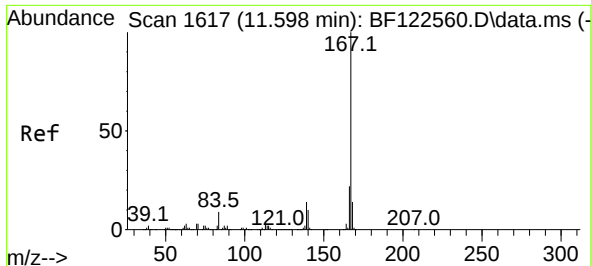
Tgt Ion:178 Resp: 451062
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 15.5 12.7 19.1



#72
Anthracene
Concen: 5.78 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:178 Resp: 111570
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 14.4 12.8 19.2

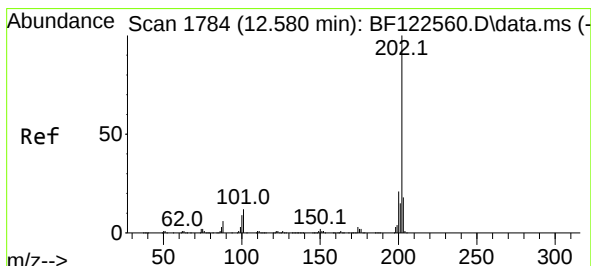
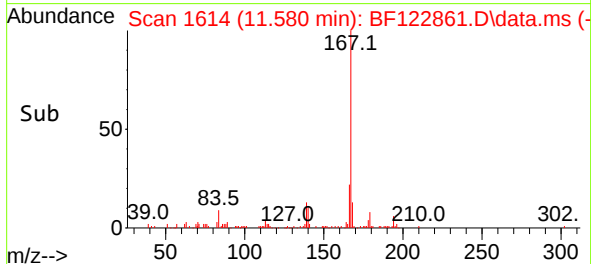
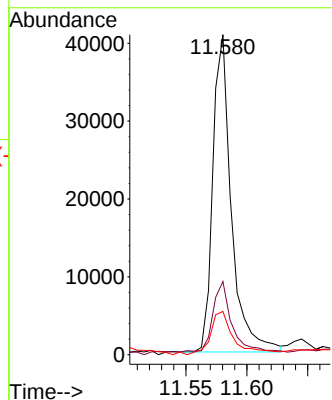
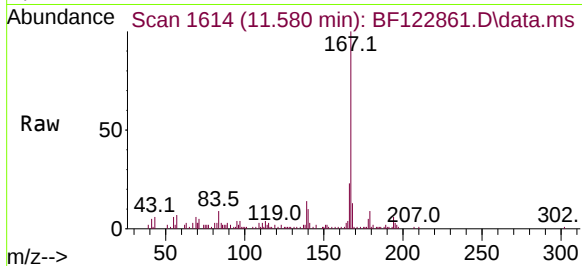




#73
 Carbazole
 Concen: 2.47 ng
 RT: 11.580 min Scan# 1614
 Delta R.T. 0.006 min
 Lab File: BF122861.D
 Acq: 24 Dec 2020 18:14

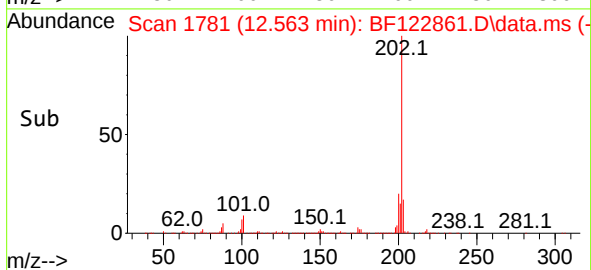
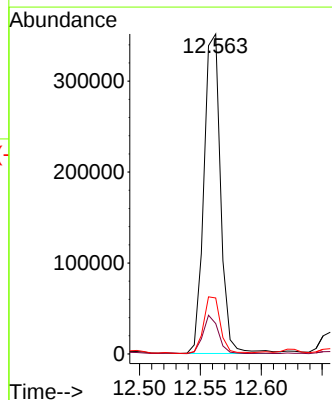
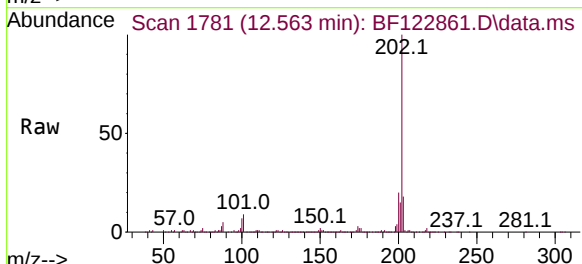
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-122320

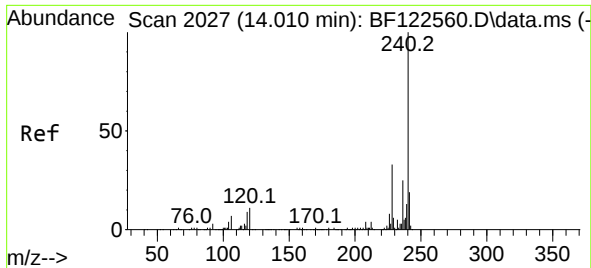
Tgt Ion:167	Resp:	43126
Ion Ratio	Lower	Upper
167	100	
166	22.8	18.0 27.0
139	13.5	10.9 16.3



#75
 Fluoranthene
 Concen: 16.42 ng
 RT: 12.563 min Scan# 1781
 Delta R.T. 0.006 min
 Lab File: BF122861.D
 Acq: 24 Dec 2020 18:14

Tgt Ion:202	Resp:	334856
Ion Ratio	Lower	Upper
202	100	
101	9.5	0.0 32.2
203	17.5	0.0 38.1

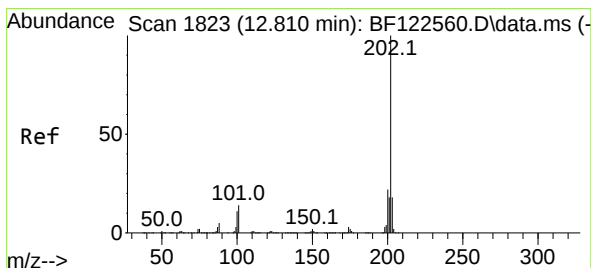
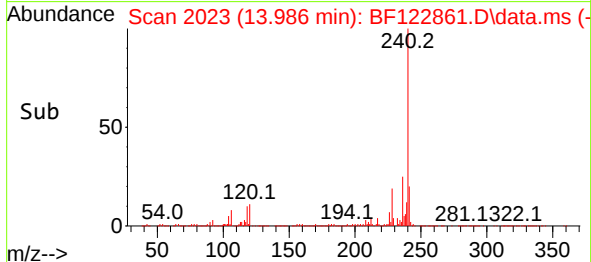
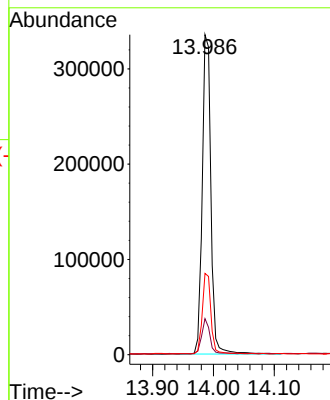
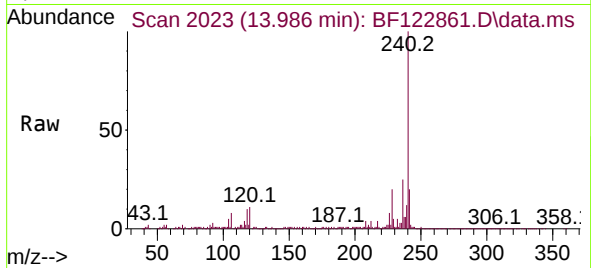




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

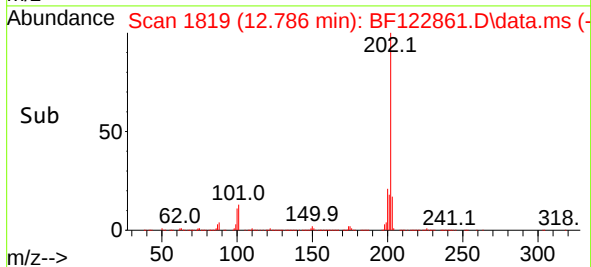
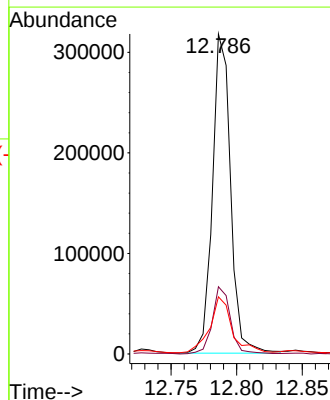
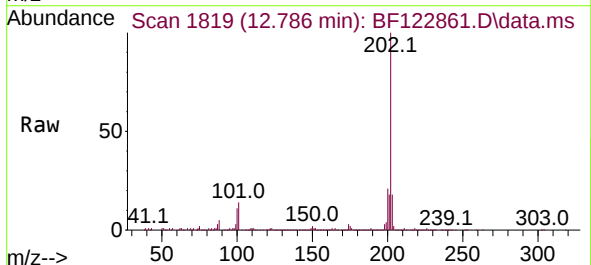
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

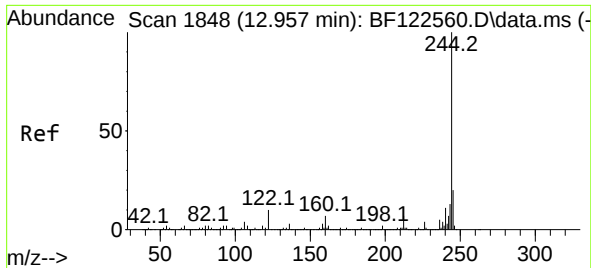
Tgt Ion:240 Resp: 330964
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.4 20.3 30.5



#78
Pyrene
Concen: 11.92 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:202 Resp: 304916
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 17.8 14.6 21.8

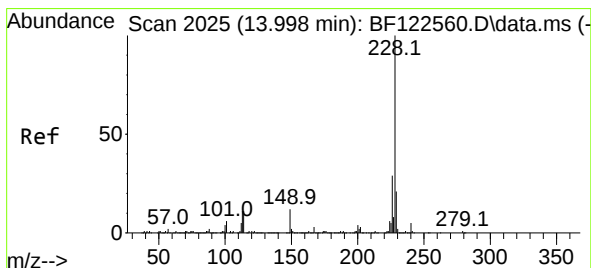
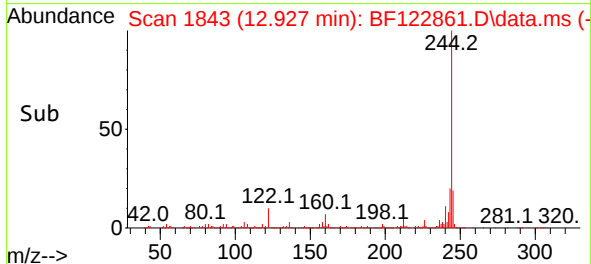
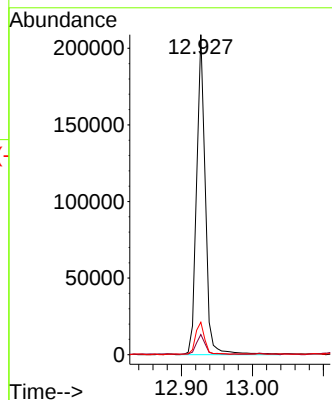
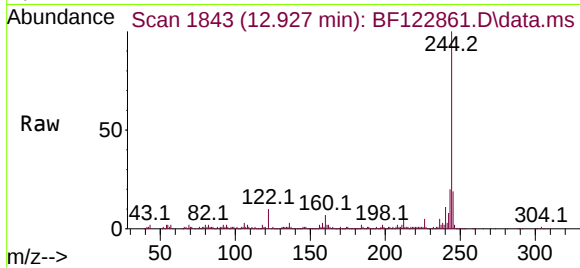




#79
 Terphenyl-d14
 Concen: 9.50 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF122861.D
 Acq: 24 Dec 2020 18:14

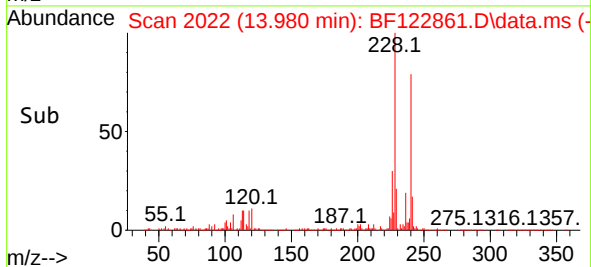
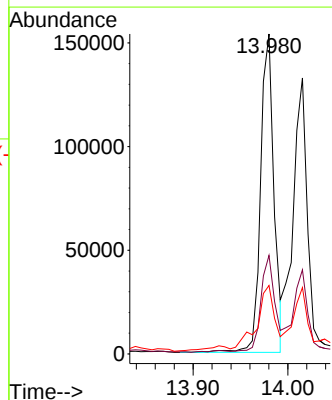
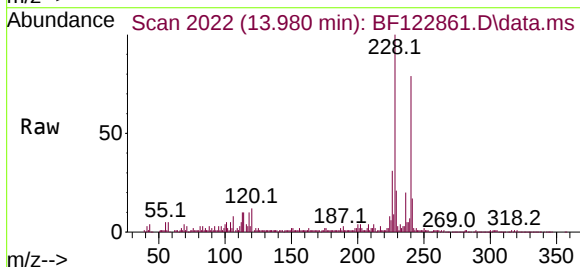
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-122320

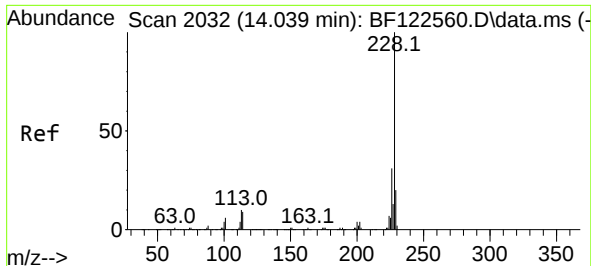
Tgt Ion:244 Resp: 179606
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.7 8.5
 122 10.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 6.82 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.006 min
 Lab File: BF122861.D
 Acq: 24 Dec 2020 18:14

Tgt Ion:228 Resp: 150768
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.0 34.4
 229 21.4 16.6 24.8

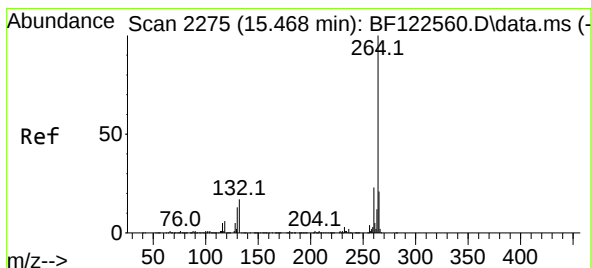
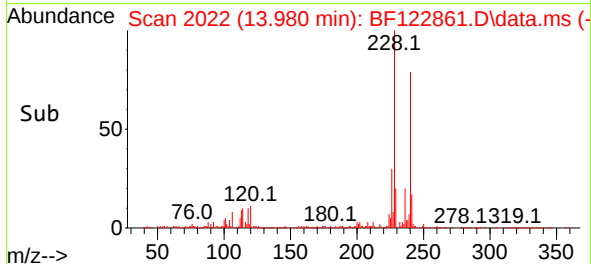
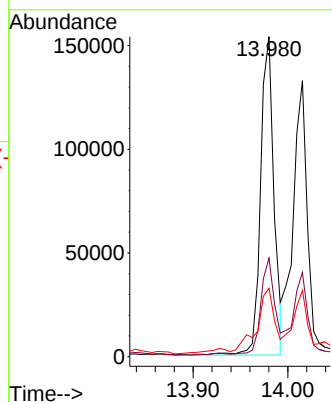
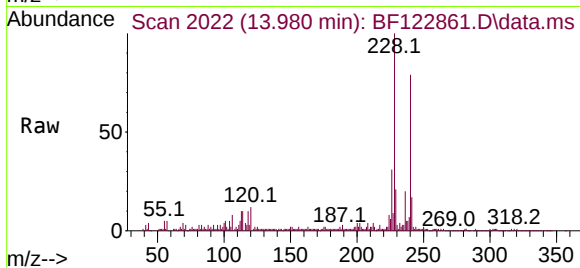




#83
Chrysene
Concen: 6.85 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.036 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

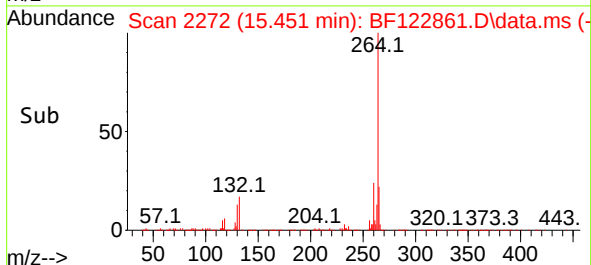
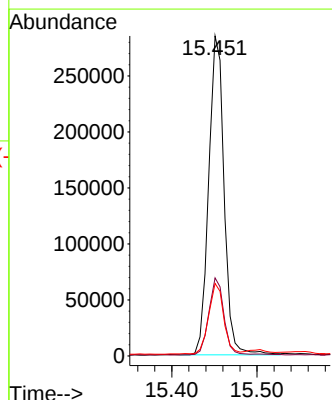
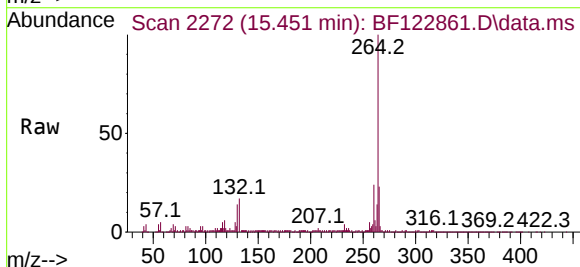
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

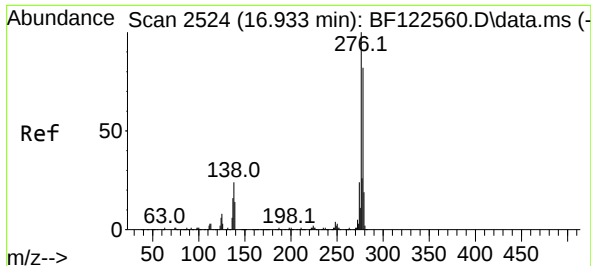
Tgt Ion:228 Resp: 150768
Ion Ratio Lower Upper
228 100
226 30.8 24.6 36.8
229 21.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:264 Resp: 358540
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 22.6 17.0 25.6

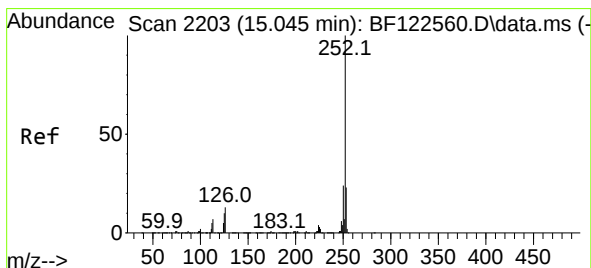
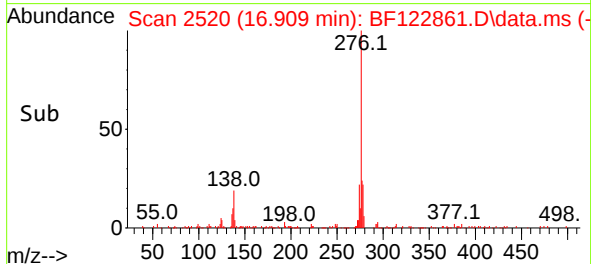
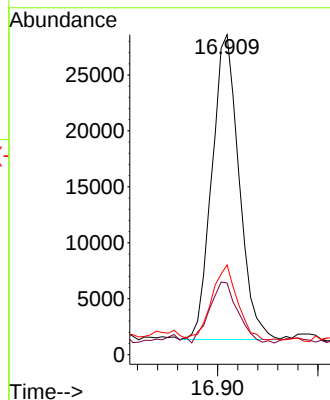
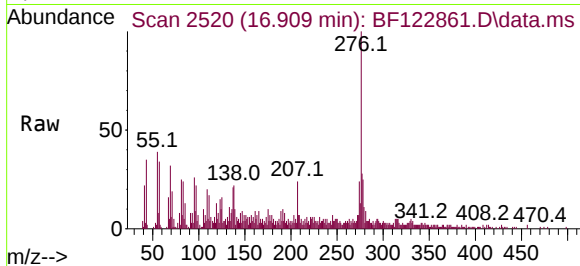




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.17 ng
RT: 16.909 min Scan# 2520
Delta R.T. 0.017 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

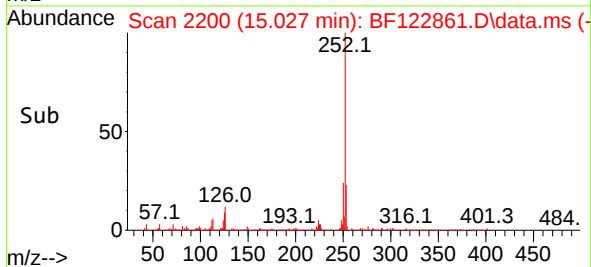
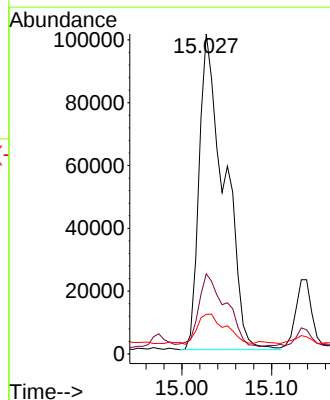
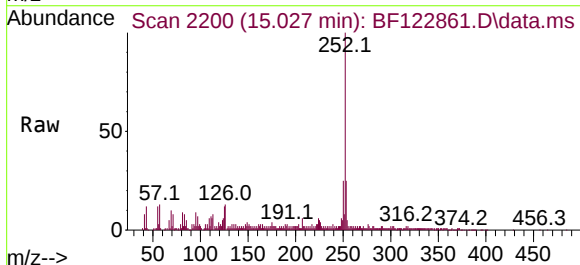
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

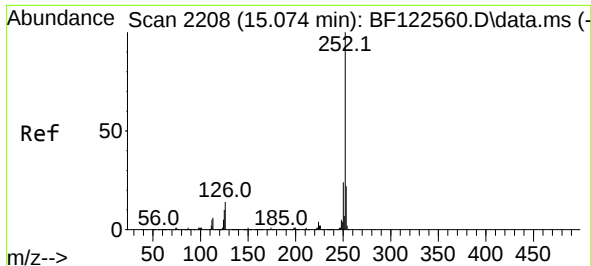
Tgt Ion:	276	Resp:	51050
Ion Ratio	Lower	Upper	
276	100		
138	20.9	18.7	28.1
277	23.5	20.2	30.4



#88
Benzo(b)fluoranthene
Concen: 7.83 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:	252	Resp:	196925
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.3	27.5
125	12.4	8.1	12.1#

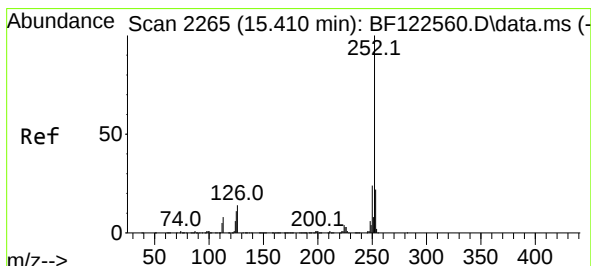
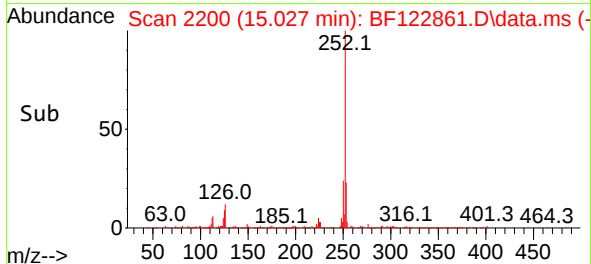
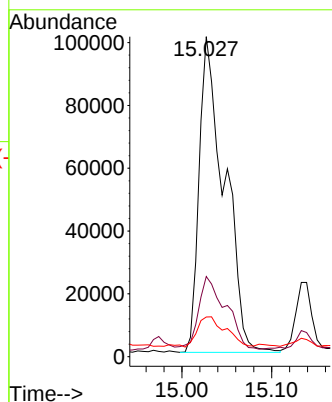
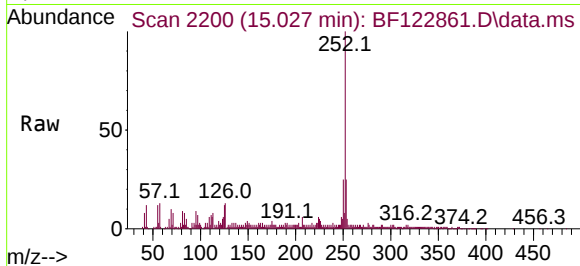




#89
Benzo(k)fluoranthene
Concen: 8.56 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

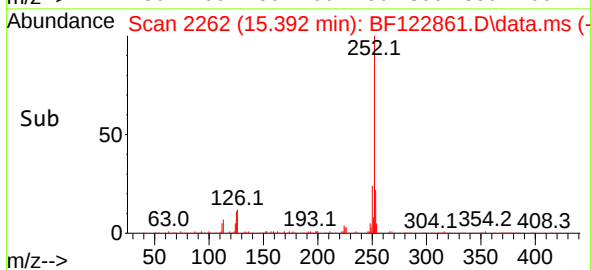
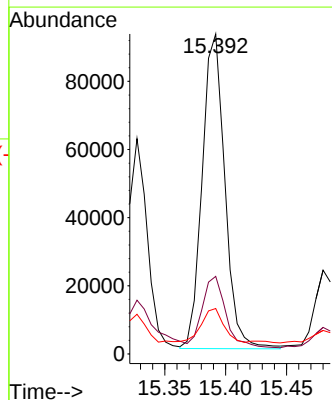
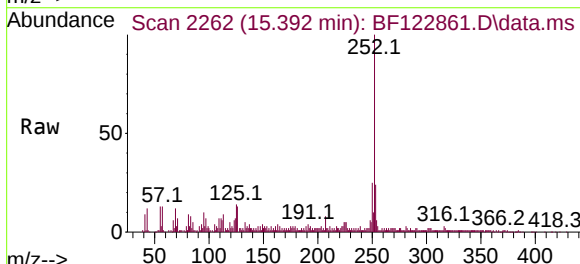
Instrument :
BNA_F
ClientSampleId :
EO-01-122320

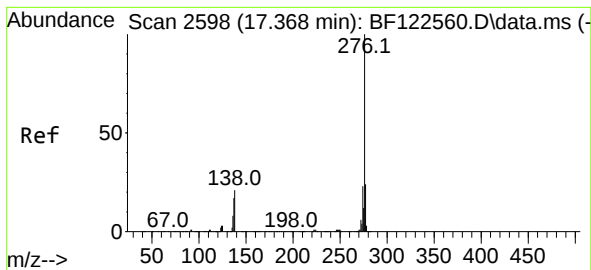
Tgt Ion:252 Resp: 196925
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 12.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 5.45 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.012 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Tgt Ion:252 Resp: 119855
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 14.2 8.6 12.8#





#92
Benzo(g,h,i)perylene
Concen: 2.39 ng
RT: 17.345 min Scan# 2594
Delta R.T. 0.017 min
Lab File: BF122861.D
Acq: 24 Dec 2020 18:14

Instrument :
BNA_F
ClientSampleId :
EO-01-122320

Tgt Ion:276 Resp: 44524
Ion Ratio Lower Upper
276 100
277 28.7 19.3 28.9
138 23.8 16.6 24.8

