

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021021\
 Data File : BF123178.D
 Acq On : 10 Feb 2021 19:28
 Operator : JU/CG
 Sample : M1346-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020921

Quant Time: Feb 11 01:36:25 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 01:29:27 2021
 Response via : Initial Calibration

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

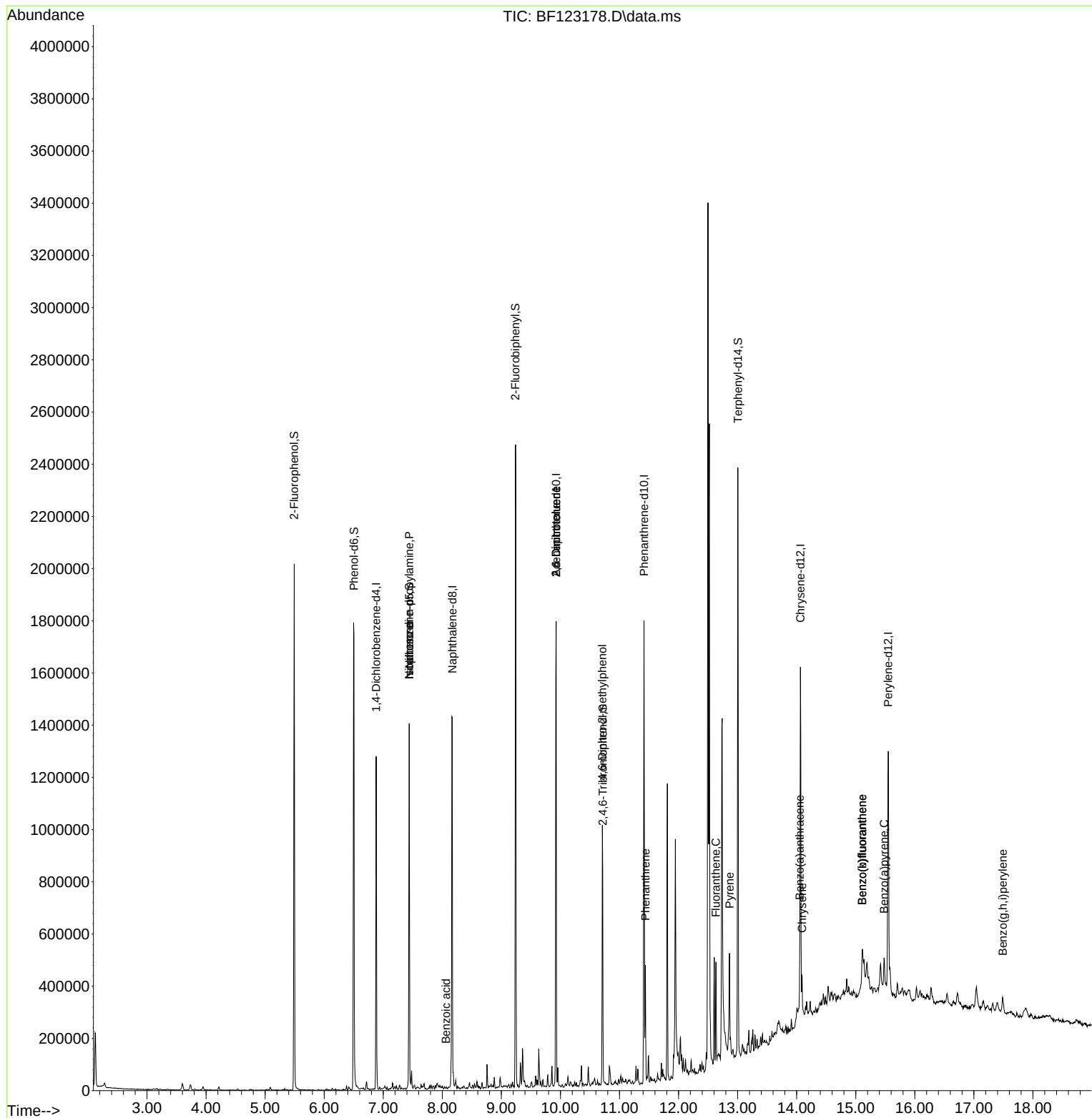
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	172874	20.00	ng	-0.01
21) Naphthalene-d8	8.169	136	672389	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	353085	20.00	ng	-0.01
64) Phenanthrene-d10	11.416	188	596510	20.00	ng	-0.02
76) Chrysene-d12	14.062	240	436208	20.00	ng	-0.02
86) Perylene-d12	15.551	264	425122	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	513658	45.83	ng	-0.01
7) Phenol-d6	6.504	99	646865	42.58	ng	-0.01
23) Nitrobenzene-d5	7.439	82	396489	29.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	114130	29.78	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	756875	31.87	ng	-0.02
79) Terphenyl-d14	13.004	244	661031	29.77	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	54328	5.95	ng	# 77
25) Isophorone	7.439	82	392461	16.04	ng	# 65
32) Benzoic acid	8.063	122	621	4.98	ng	94
51) 2,6-Dinitrotoluene	9.927	165	46239	7.84	ng	# 31
57) 2,4-Dinitrotoluene	9.927	165	46239	6.03	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.710	198	260	5.05	ng	# 1
71) Phenanthrene	11.439	178	141928	3.83	ng	98
75) Fluoranthene	12.633	202	149440	4.04	ng	97
78) Pyrene	12.863	202	150591	4.57	ng	97
81) Benzo(a)anthracene	14.051	228	62960	2.13	ng	96
83) Chrysene	14.092	228	59324	2.01	ng	96
88) Benzo(b)fluoranthene	15.109	252	89787	2.93	ng	# 94
89) Benzo(k)fluoranthene	15.109	252	89787	3.15	ng	# 94
90) Benzo(a)pyrene	15.480	252	54115	2.01	ng	# 90
92) Benzo(g,h,i)perylene	17.492	276	45578	2.02	ng	# 93

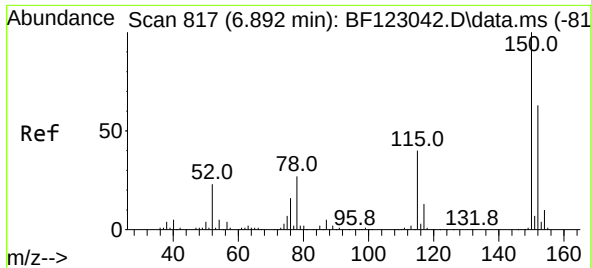
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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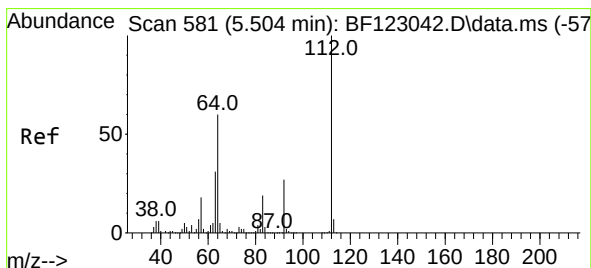
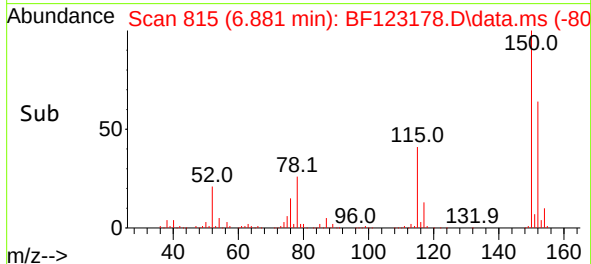
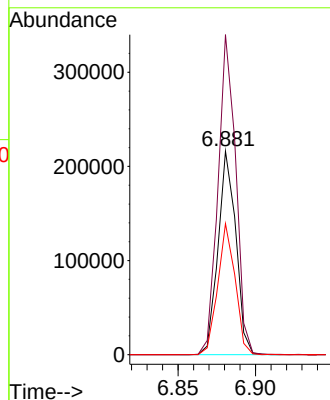
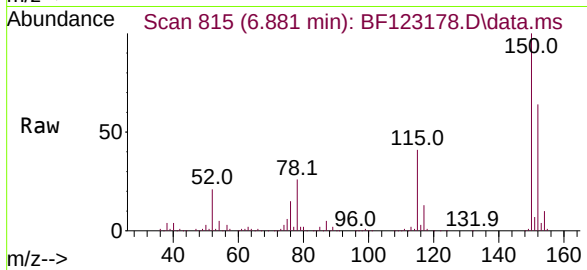




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.011 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

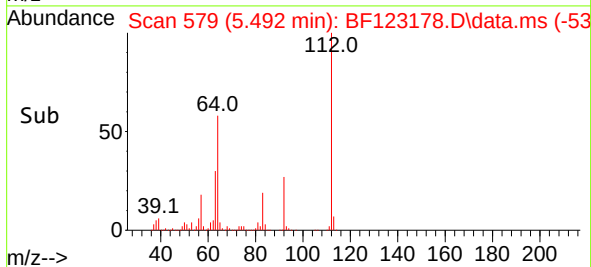
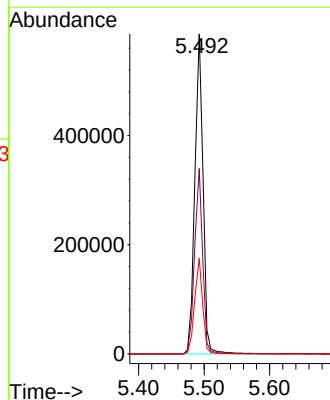
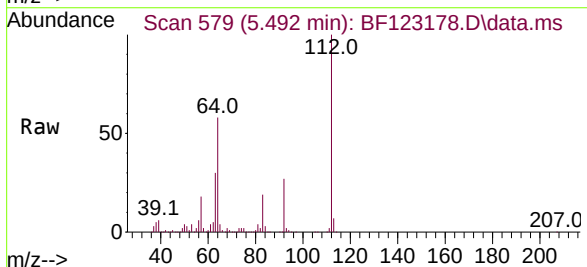
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

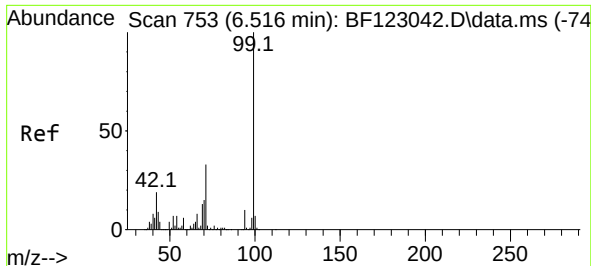
Tgt Ion:152 Resp: 172874
Ion Ratio Lower Upper
152 100
150 157.3 125.8 188.6
115 64.4 49.3 73.9



#5
2-Fluorophenol
Concen: 45.83 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:112 Resp: 513658
Ion Ratio Lower Upper
112 100
64 58.0 46.9 70.3
63 29.9 24.5 36.7

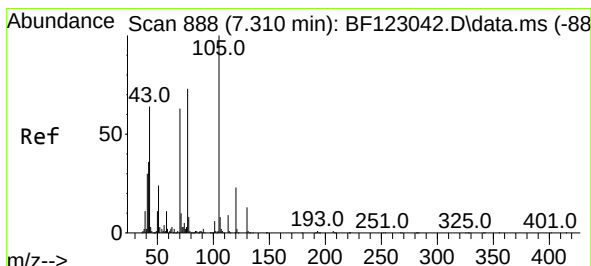
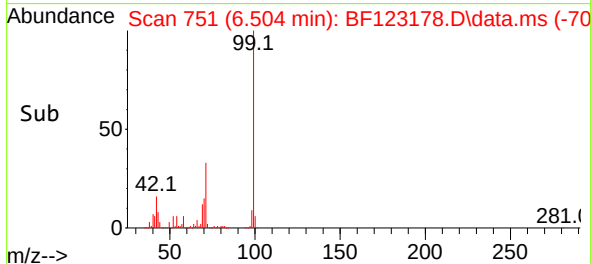
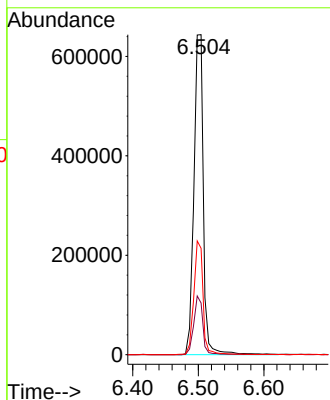
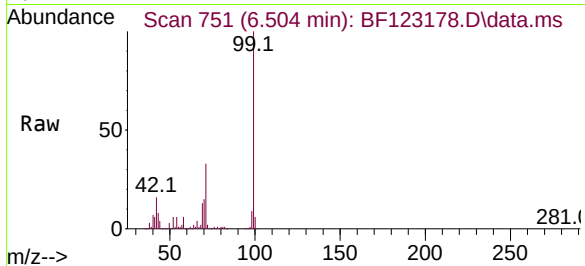




#7
Phenol-d6
Concen: 42.58 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

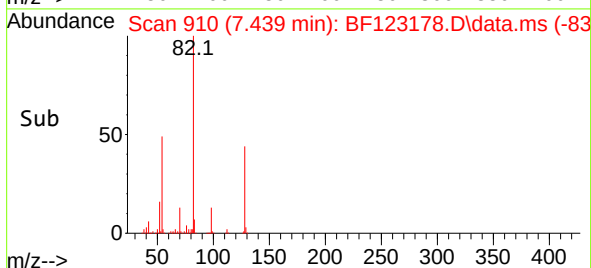
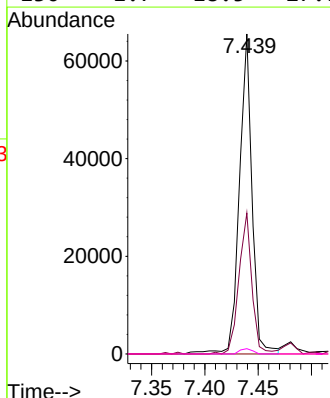
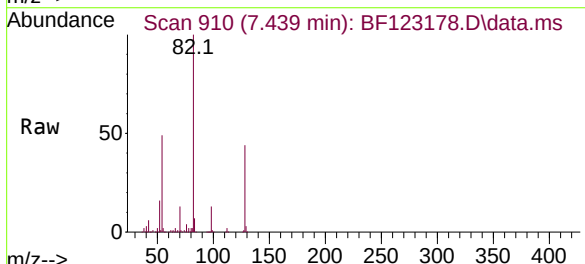
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

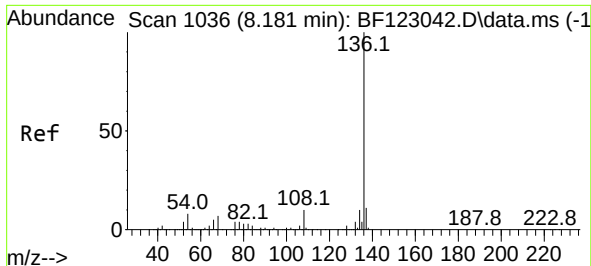
Tgt Ion: 99 Resp: 646865
Ion Ratio Lower Upper
99 100
42 16.1 13.8 20.6
71 33.2 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.95 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion: 70 Resp: 54328
Ion Ratio Lower Upper
70 100
42 44.0 43.0 64.4
101 0.0 7.9 11.9#
130 1.7 18.5 27.7#



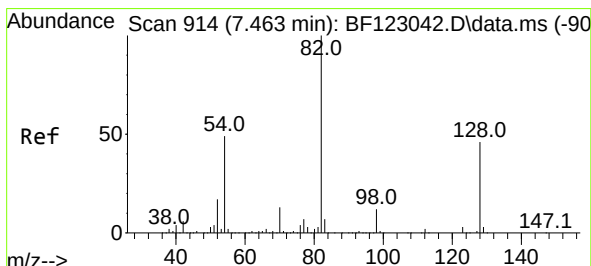
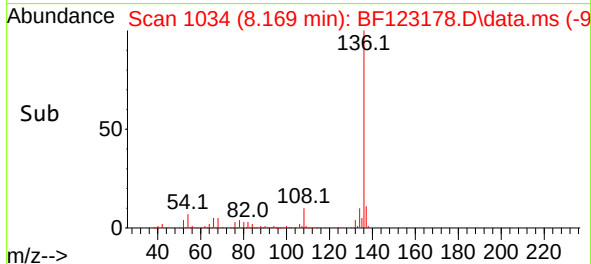
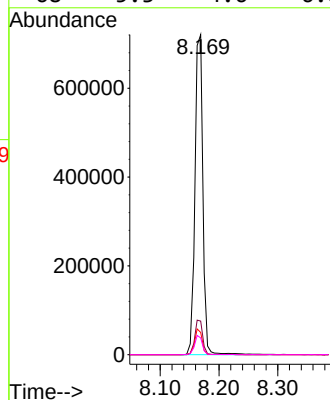
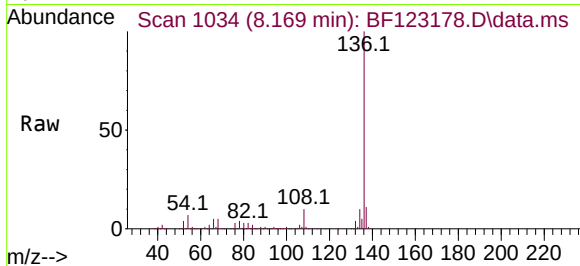


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Instrument :
BNA_F
ClientSampleId :
EO-03-020921

Tgt Ion:136 Resp: 672389

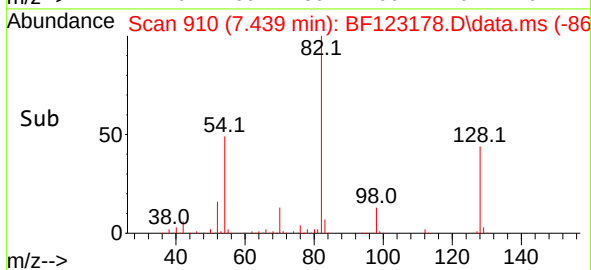
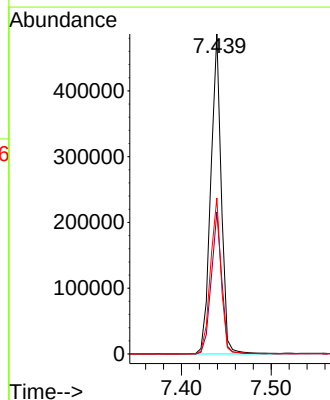
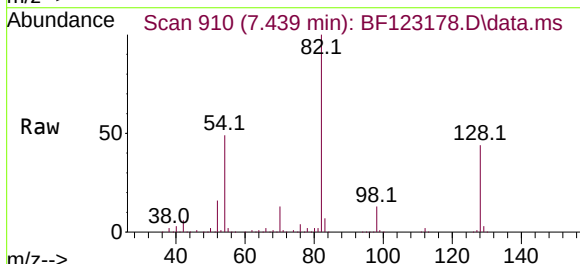
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.0	5.5	8.3
68	5.3	4.6	6.8

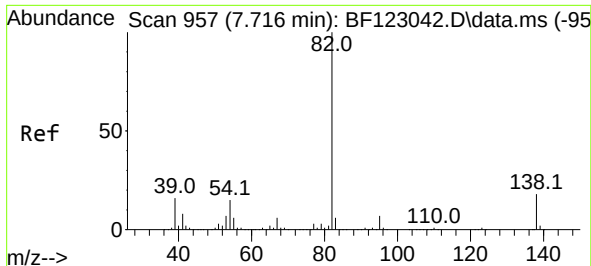


#23
Nitrobenzene-d5
Concen: 29.68 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.024 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion: 82 Resp: 396489

Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.0	55.4
54	48.8	38.4	57.6

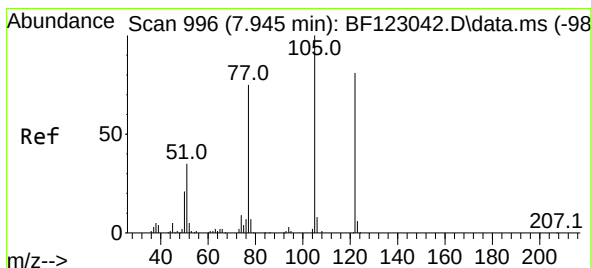
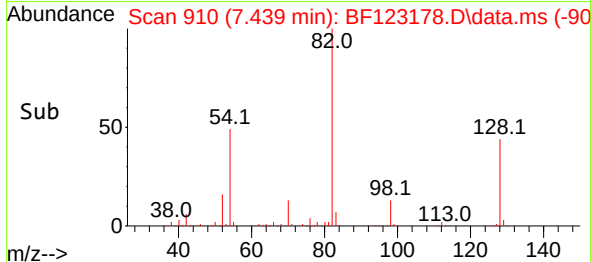
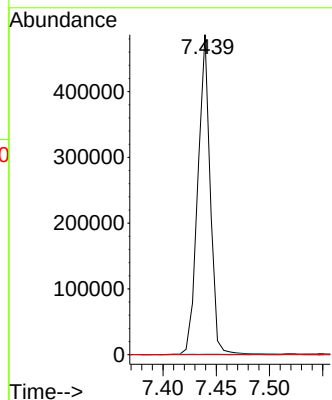
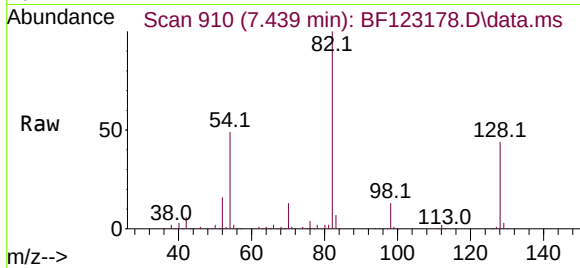




#25
Isophorone
Concen: 16.04 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.277 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

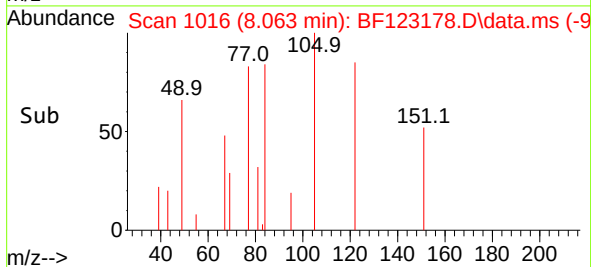
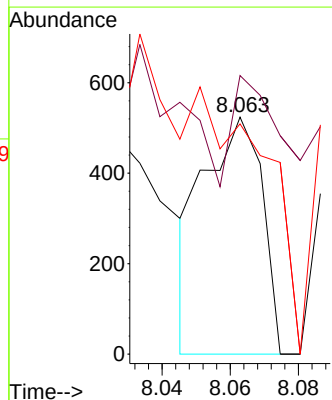
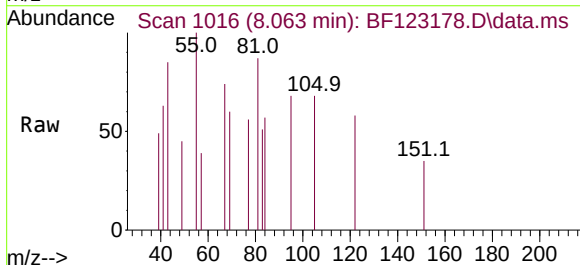
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

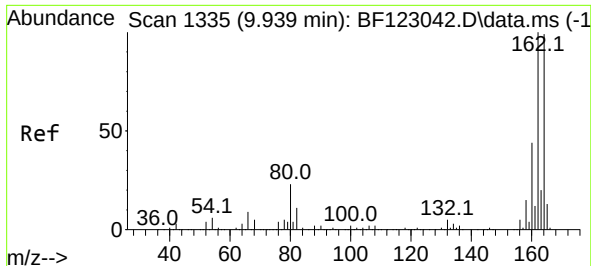
Tgt Ion: 82 Resp: 392461
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 4.98 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.118 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion: 122 Resp: 621
Ion Ratio Lower Upper
122 100
105 117.6 104.8 144.8
77 97.1 71.0 111.0

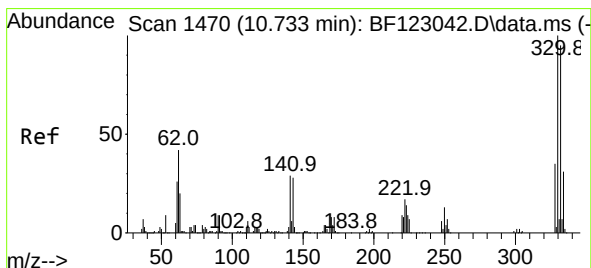
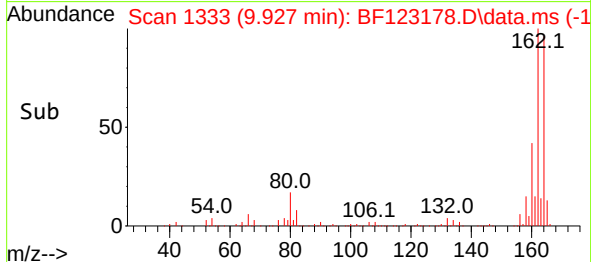
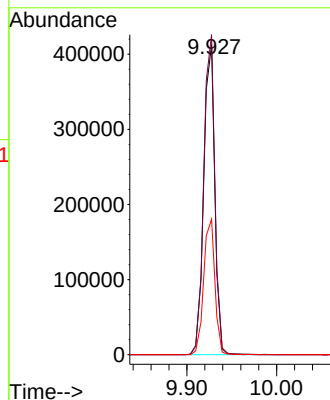
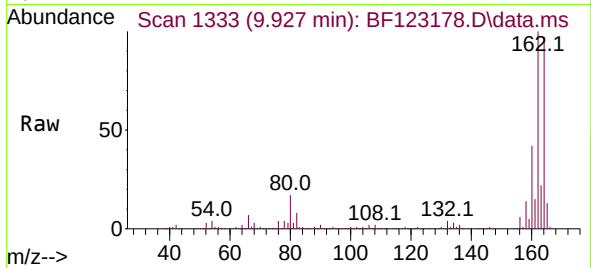




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

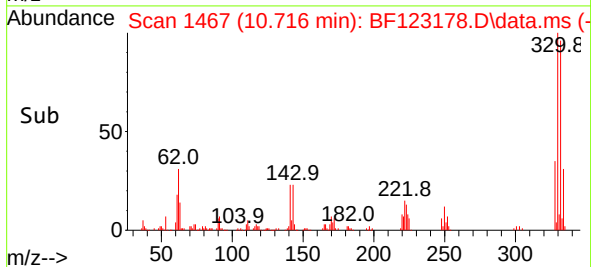
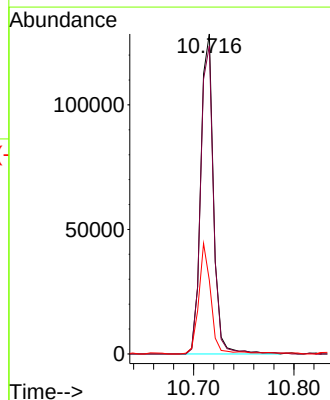
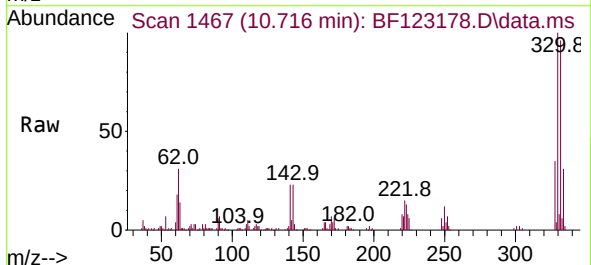
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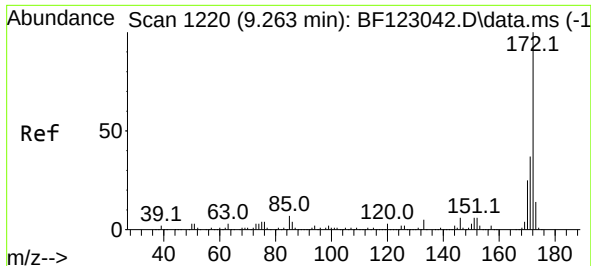
Tgt Ion:164 Resp: 353085
Ion Ratio Lower Upper
164 100
162 103.2 80.8 121.2
160 43.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 29.78 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.018 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:330 Resp: 114130
Ion Ratio Lower Upper
330 100
332 97.5 77.5 116.3
141 33.0 23.8 35.8

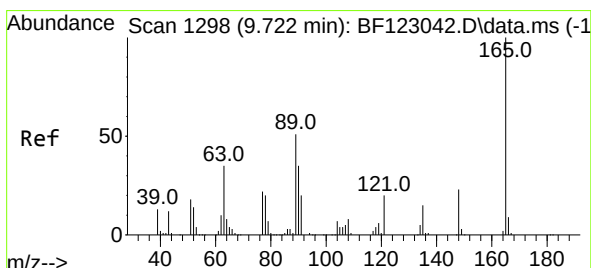
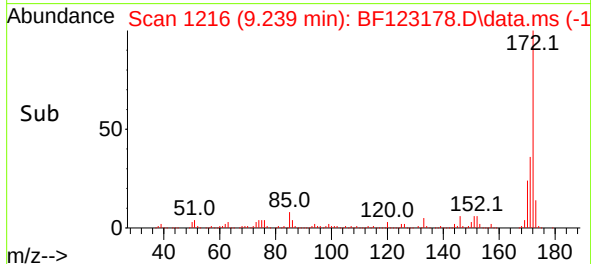
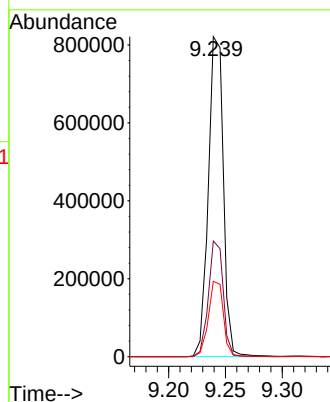
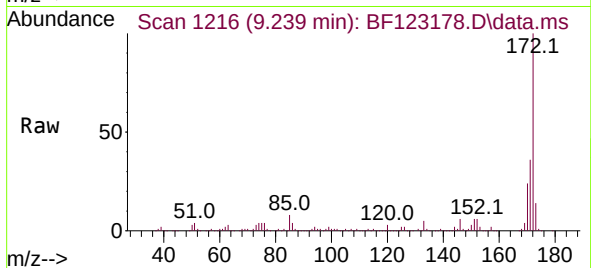




#45
2-Fluorobiphenyl
Concen: 31.87 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.024 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

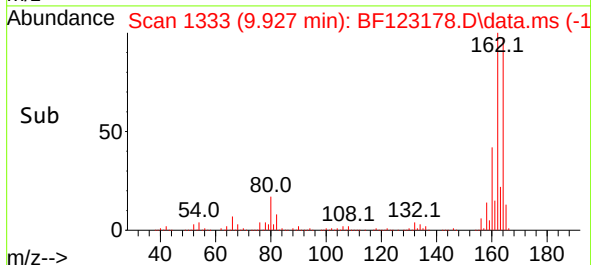
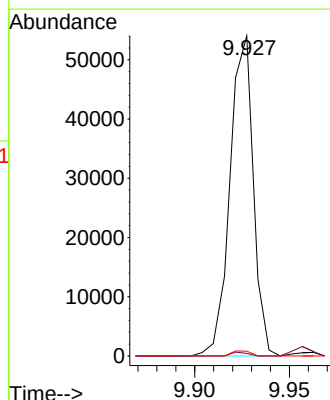
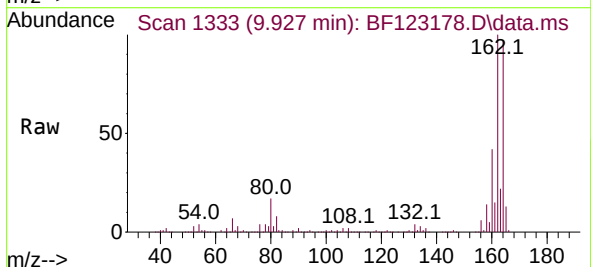
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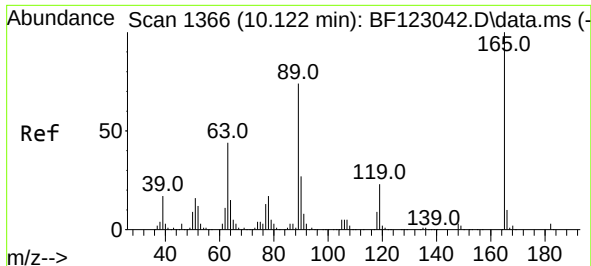
Tgt Ion:172 Resp: 756875
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.6 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.84 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

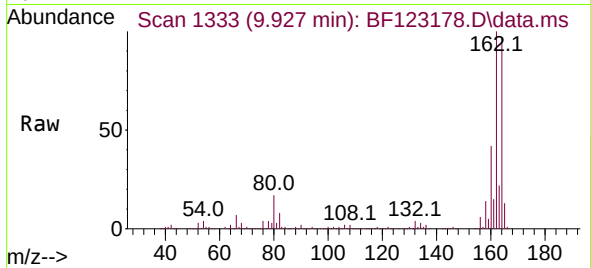
Tgt Ion:165 Resp: 46239
Ion Ratio Lower Upper
165 100
63 0.8 36.6 55.0#
89 1.5 39.4 59.0#



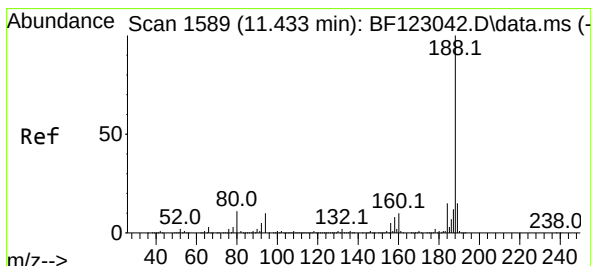
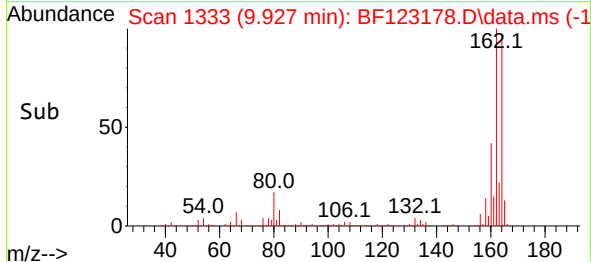
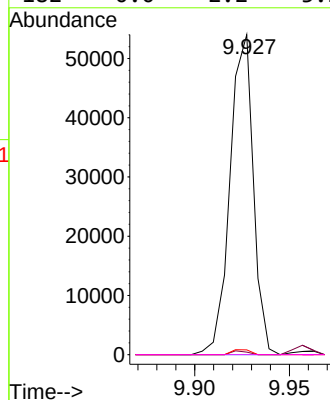


#57
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Instrument :
BNA_F
ClientSampleId :
EO-03-020921

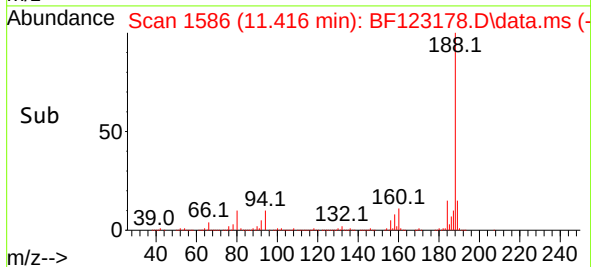
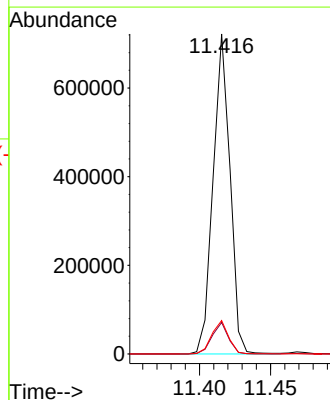
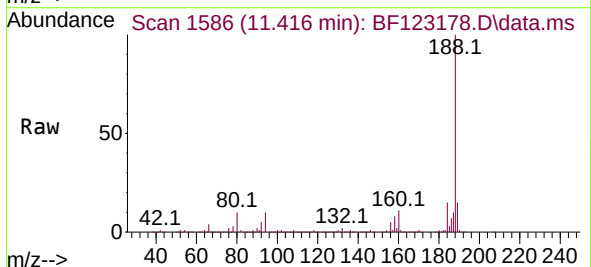


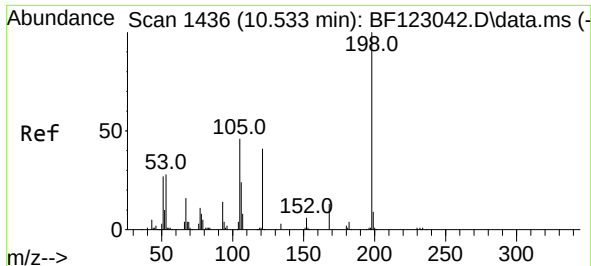
Tgt Ion:165 Resp: 46239
Ion Ratio Lower Upper
165 100
63 0.8 34.3 51.5#
89 1.5 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.017 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:188 Resp: 596510
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.4 8.2 12.4

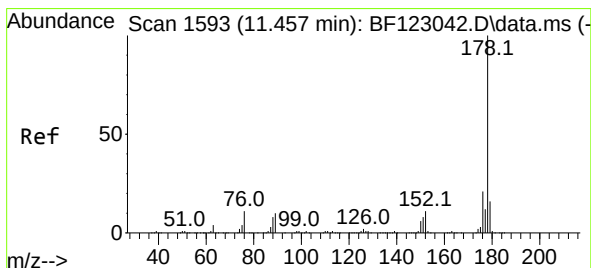
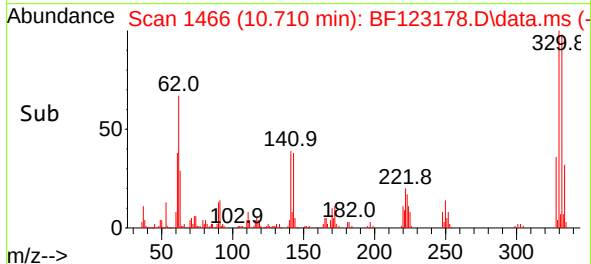
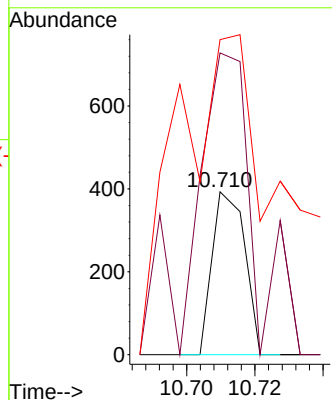
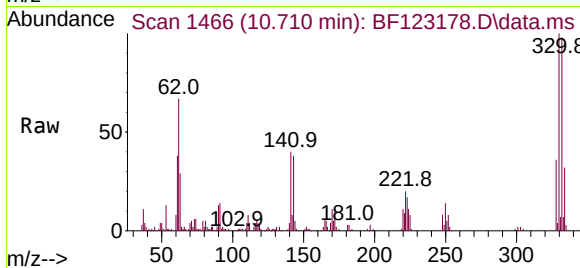




#65
4,6-Dinitro-2-methylphenol
Concen: 5.05 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.177 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

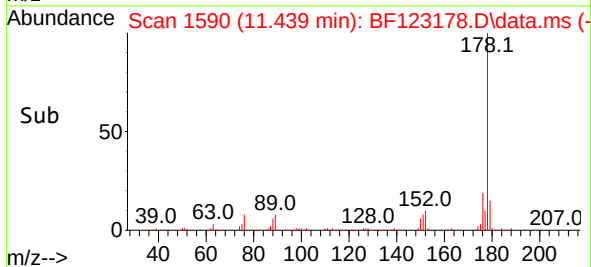
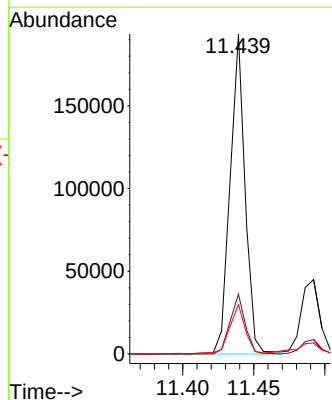
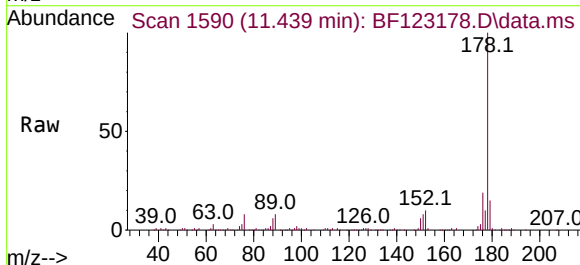
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

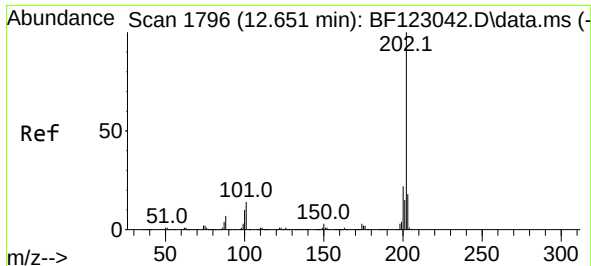
Tgt Ion:198 Resp: 260
Ion Ratio Lower Upper
198 100
51 185.2 20.3 60.3#
105 193.4 23.0 63.0#



#71
Phenanthrene
Concen: 3.83 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.018 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:178 Resp: 141928
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.4 12.7 19.1

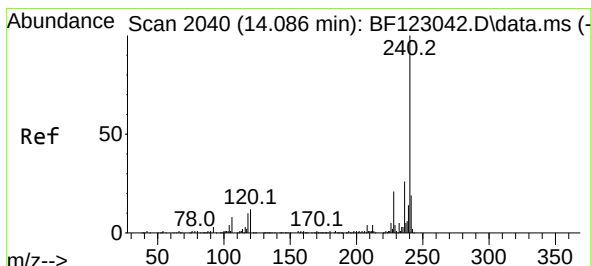
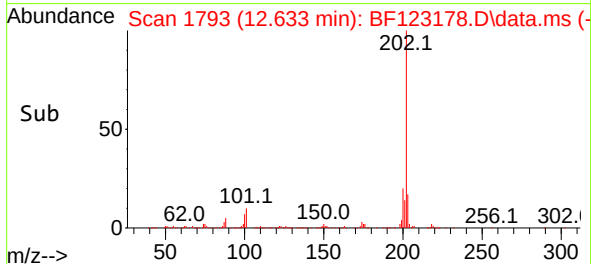
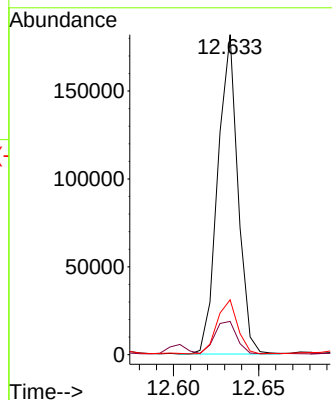
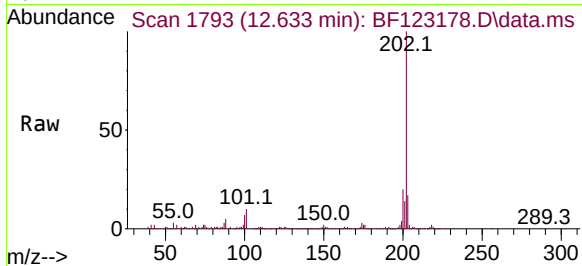




#75
Fluoranthene
Concen: 4.04 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.018 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

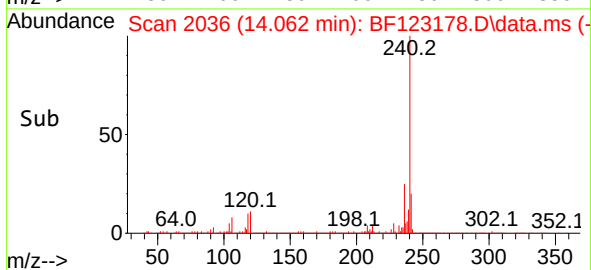
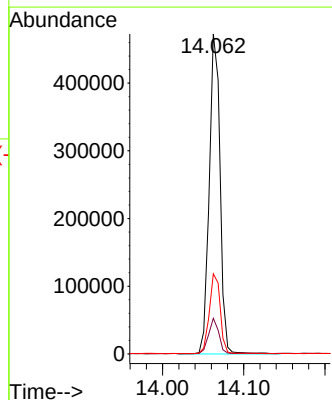
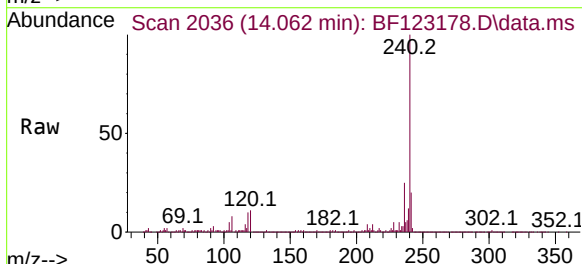
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

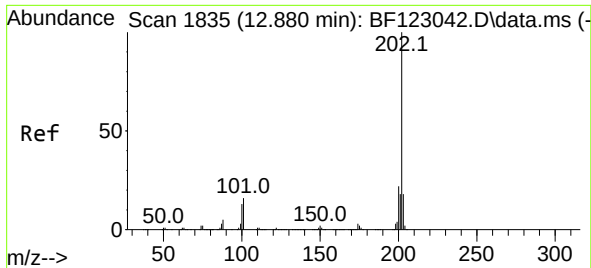
Tgt Ion:202 Resp: 149440
Ion Ratio Lower Upper
202 100
101 10.4 0.0 32.2
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.024 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:240 Resp: 436208
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.1 20.3 30.5

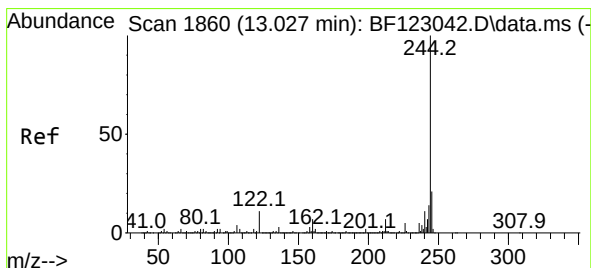
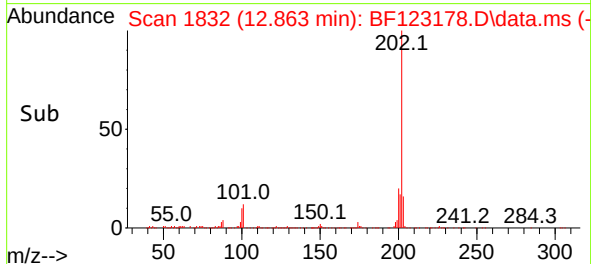
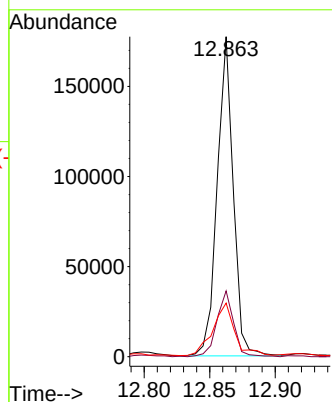
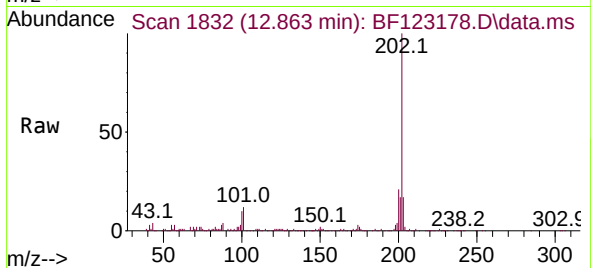




#78
Pyrene
Concen: 4.57 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.018 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

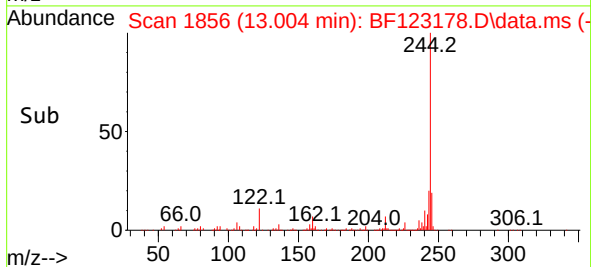
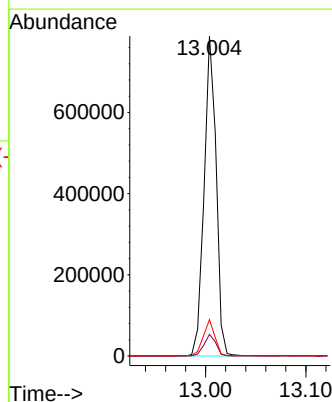
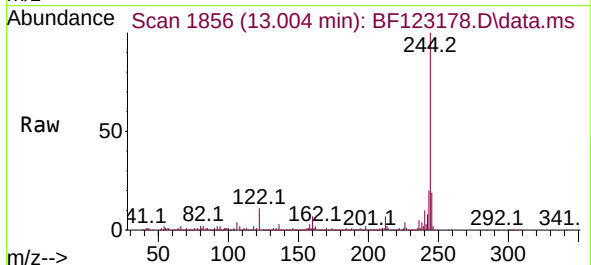
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

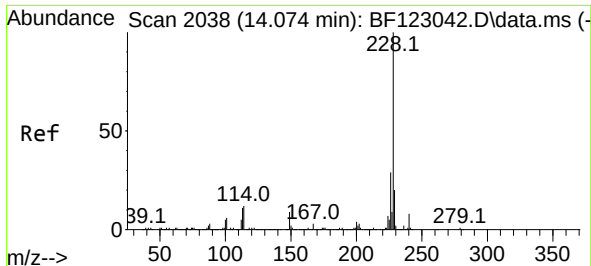
Tgt Ion:	202	Resp:	150591
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	16.8	14.6	21.8



#79
Terphenyl-d14
Concen: 29.77 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.024 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:	244	Resp:	661031
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.7	8.5
122	11.4	8.3	12.5

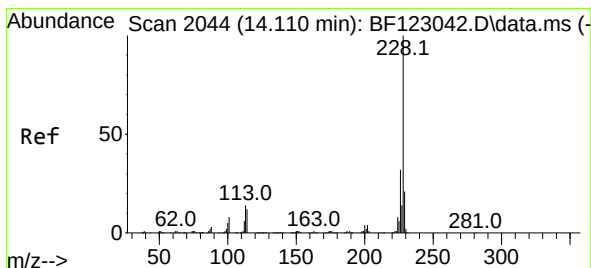
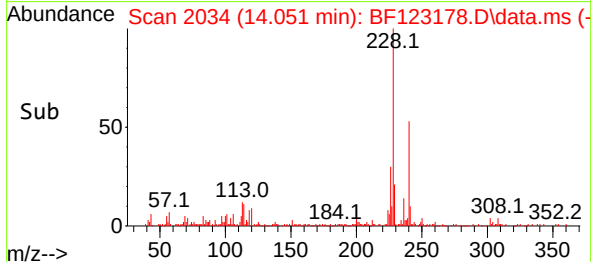
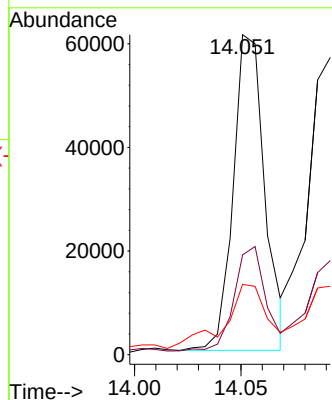
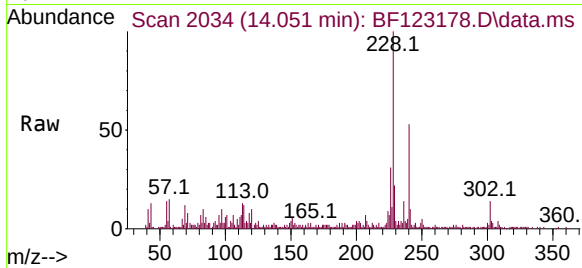




#81
Benzo(a)anthracene
Concen: 2.13 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.024 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

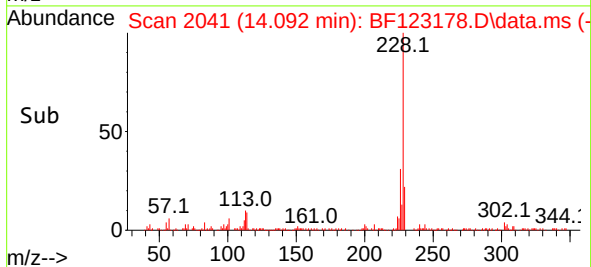
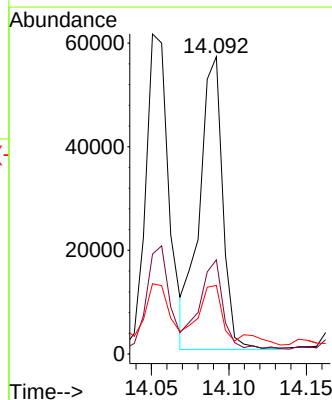
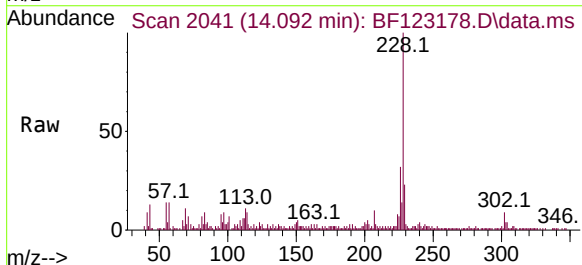
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

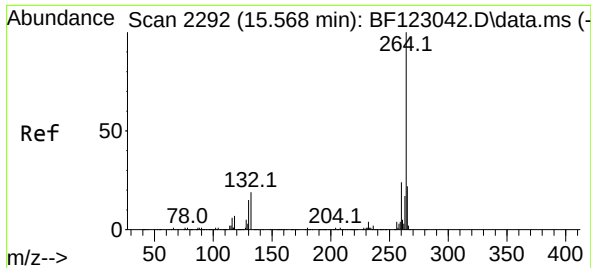
Tgt Ion:228 Resp: 62960
Ion Ratio Lower Upper
228 100
226 31.2 23.0 34.4
229 21.9 16.6 24.8



#83
Chrysene
Concen: 2.01 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.018 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:228 Resp: 59324
Ion Ratio Lower Upper
228 100
226 31.7 24.6 36.8
229 23.0 15.8 23.6

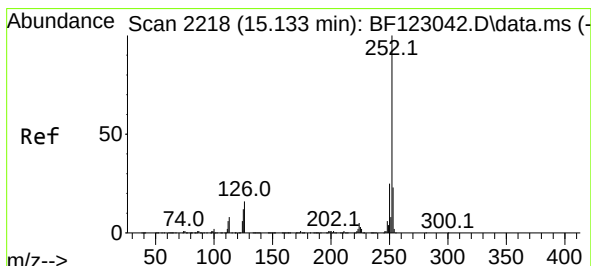
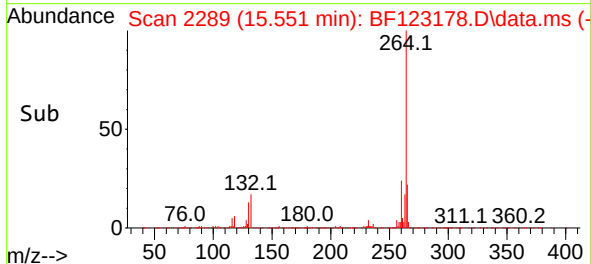
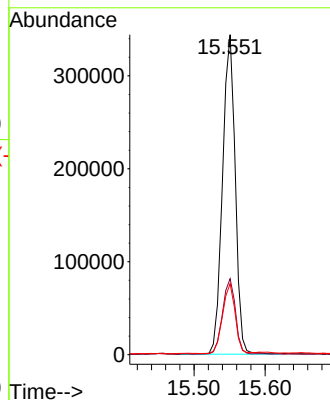
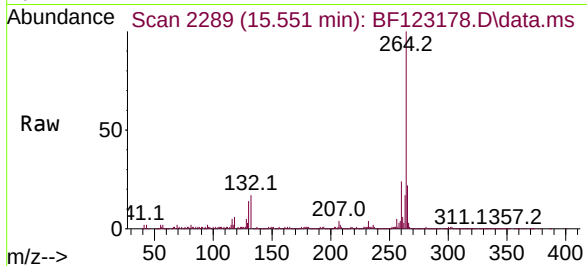




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

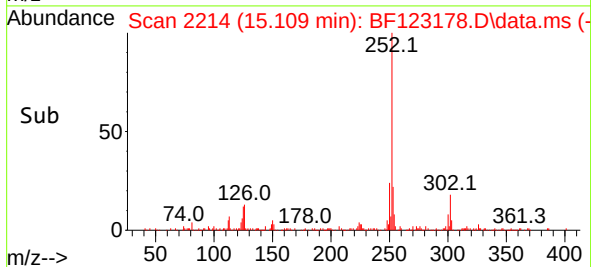
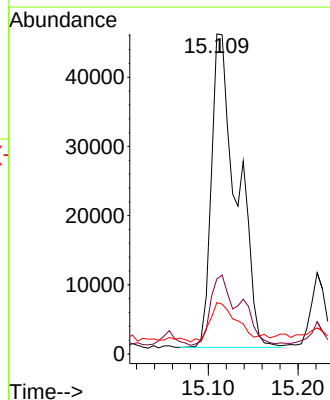
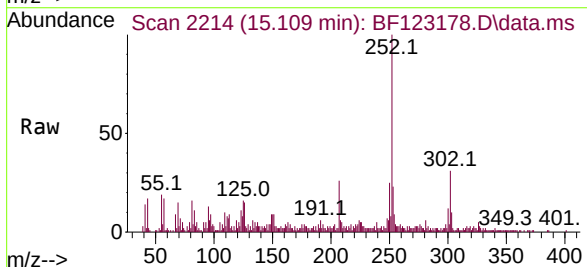
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

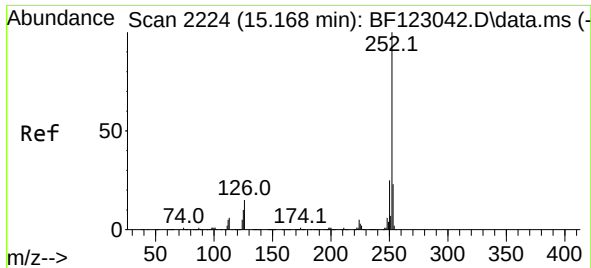
Tgt Ion:264	Resp:	425122
Ion Ratio	Lower	Upper
264	100	
260	23.8	18.6 28.0
265	22.2	17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 2.93 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.024 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:252	Resp:	89787
Ion Ratio	Lower	Upper
252	100	
253	23.4	18.3 27.5
125	16.1	8.1 12.1#

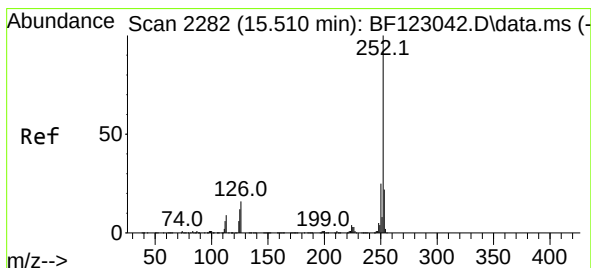
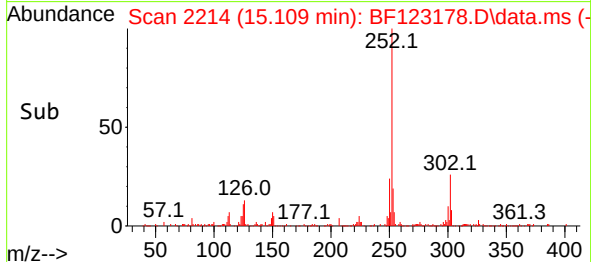
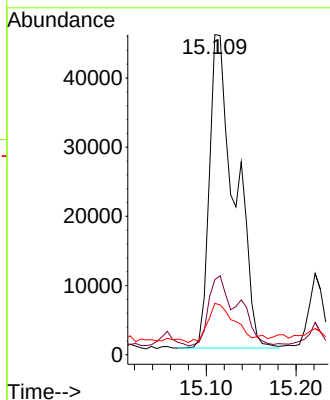
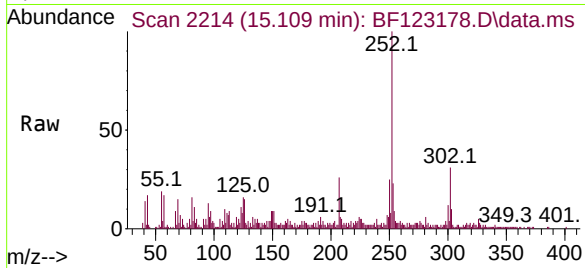




#89
Benzo(k)fluoranthene
Concen: 3.15 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.059 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

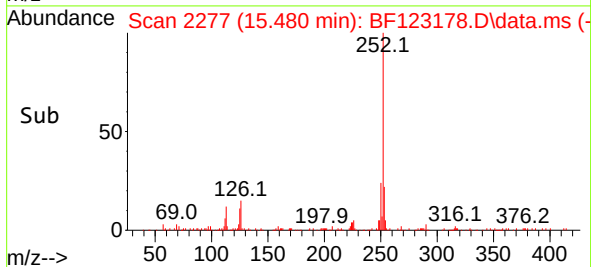
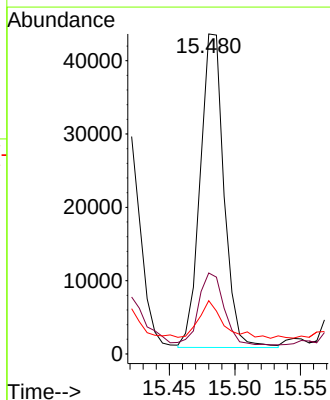
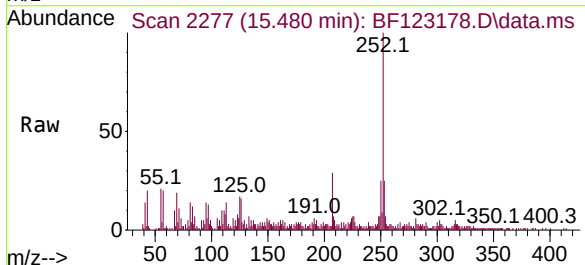
Instrument :
BNA_F
ClientSampleId :
EO-03-020921

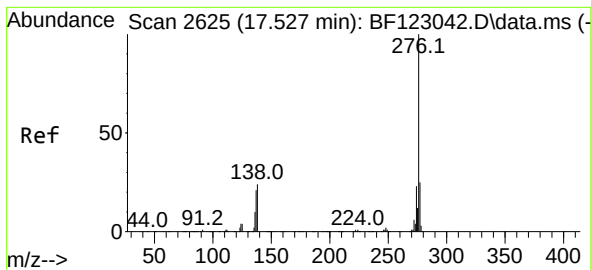
Tgt Ion:252 Resp: 89787
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 16.1 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.01 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.030 min
Lab File: BF123178.D
Acq: 10 Feb 2021 19:28

Tgt Ion:252 Resp: 54115
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 16.7 8.6 12.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.02 ng
 RT: 17.492 min Scan# 2619
 Delta R.T. -0.035 min
 Lab File: BF123178.D
 Acq: 10 Feb 2021 19:28

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020921

Tgt Ion:	276	Resp:	45578
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.3	28.9
138	26.0	16.6	24.8#

