

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110420\
 Data File : BF122273.D
 Acq On : 4 Nov 2020 20:17
 Operator : JU/CG
 Sample : L4591-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-110320

Quant Time: Nov 05 00:22:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

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

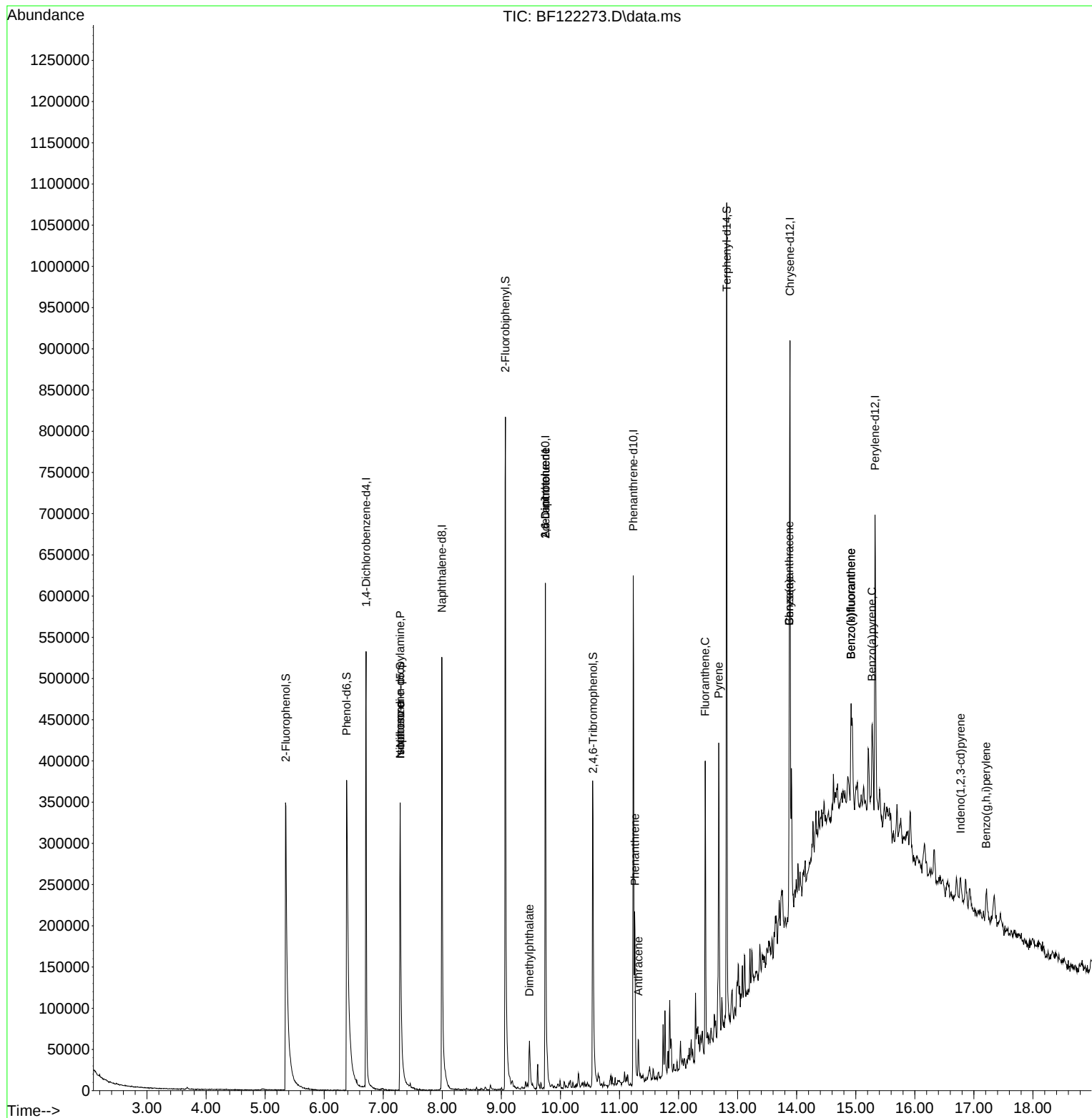
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	86998	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	326139	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	150082	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	253966	20.00	ng	0.00
76) Chrysene-d12	13.886	240	223190	20.00	ng	0.00
86) Perylene-d12	15.327	264	178938	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	251011	42.58	ng	0.02
7) Phenol-d6	6.381	99	309263	40.76	ng	0.01
23) Nitrobenzene-d5	7.287	82	201562	31.70	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	66725	35.94	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	346499	33.97	ng	0.00
79) Terphenyl-d14	12.816	244	293398	25.05	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	26045	6.03	ng	# 82
25) Isophorone	7.287	82	201562	16.76	ng	# 67
50) Dimethylphthalate	9.475	163	39096	3.56	ng	# 96
51) 2,6-Dinitrotoluene	9.745	165	19486	8.09	ng	# 21
57) 2,4-Dinitrotoluene	9.745	165	19486	6.58	ng	# 21
71) Phenanthrene	11.263	178	79360	5.70	ng	99
72) Anthracene	11.322	178	31245	2.16	ng	98
75) Fluoranthene	12.451	202	136476	9.14	ng	97
78) Pyrene	12.680	202	143235	8.42	ng	99
81) Benzo(a)anthracene	13.874	228	69524	4.75	ng	97
83) Chrysene	13.874	228	69524	4.84	ng	94
87) Indeno(1,2,3-cd)pyrene	16.774	276	24228	2.09	ng	# 90
88) Benzo(b)fluoranthene	14.921	252	82768	6.84	ng	# 94
89) Benzo(k)fluoranthene	14.921	252	82768	7.20	ng	# 93
90) Benzo(a)pyrene	15.274	252	46147	4.42	ng	# 90
92) Benzo(g,h,i)perylene	17.209	276	26006	2.72	ng	# 94

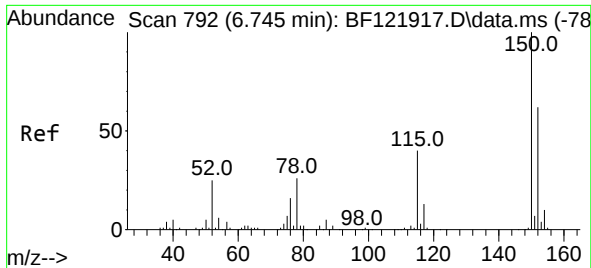
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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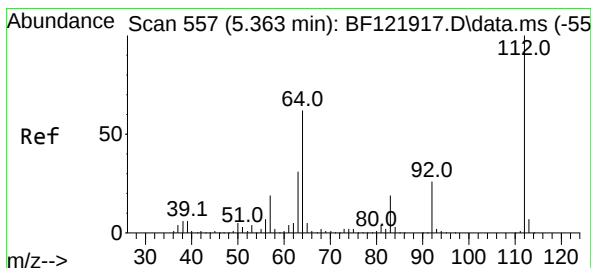
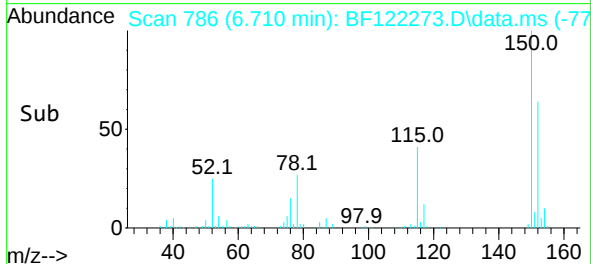
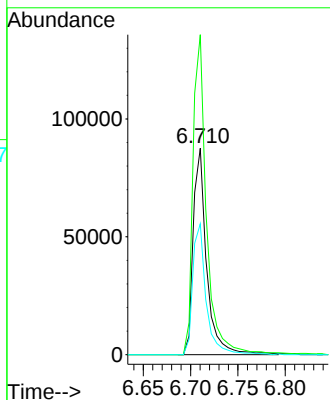
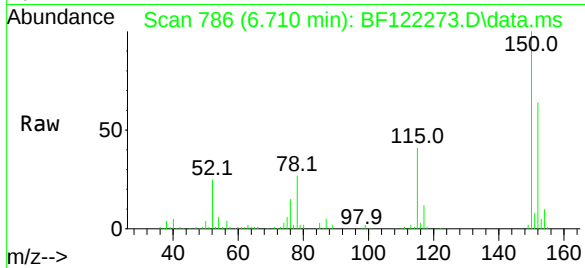




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

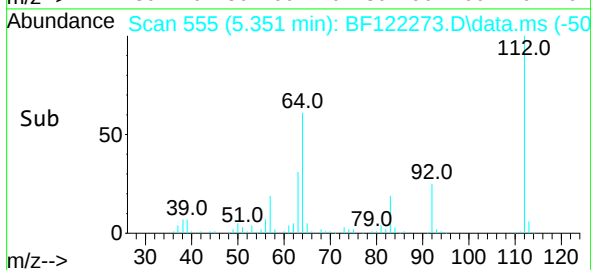
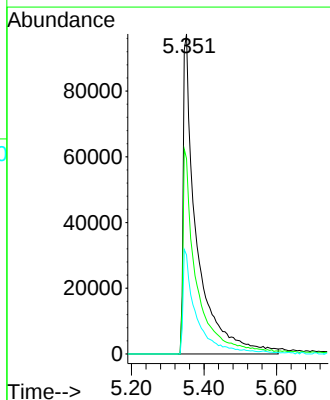
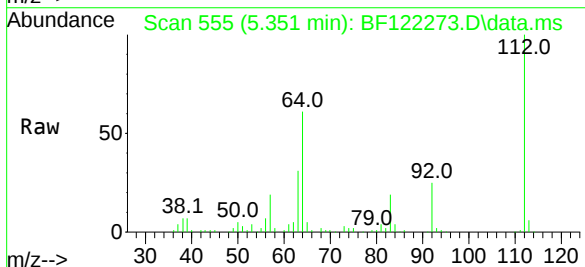
Instrument :
BNA_F
ClientSampleId :
OK-01-110320

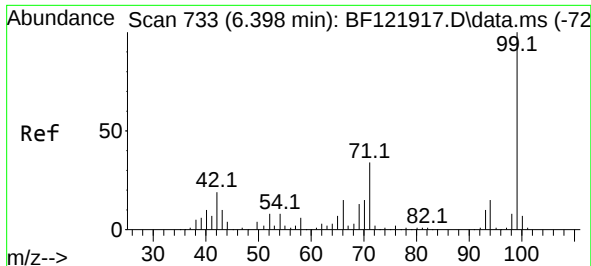
Tgt Ion:152 Resp: 86998
Ion Ratio Lower Upper
152 100
150 155.1 125.3 187.9
115 63.5 51.9 77.9



#5
2-Fluorophenol
Concen: 42.58 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.018 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:112 Resp: 251011
Ion Ratio Lower Upper
112 100
64 61.1 50.4 75.6
63 30.9 25.8 38.6

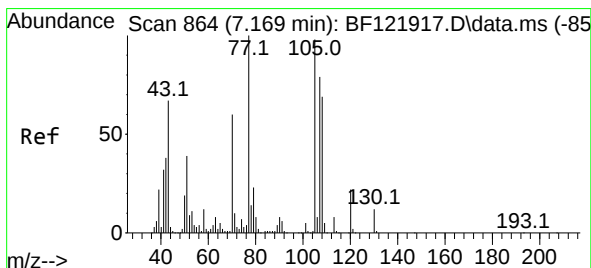
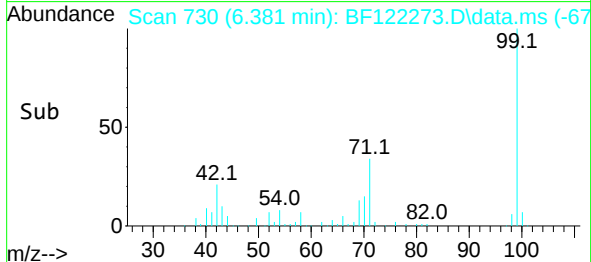
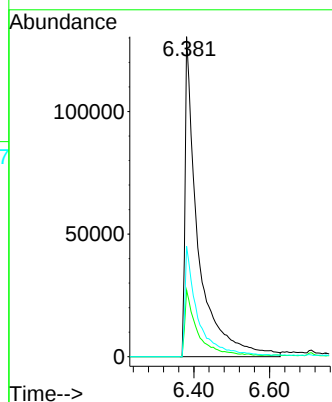
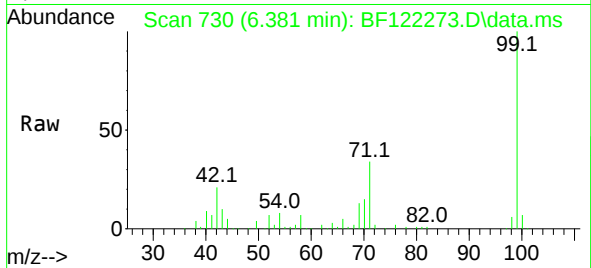




#7
Phenol-d6
Concen: 40.76 ng
RT: 6.381 min Scan# 730
Delta R.T. 0.012 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

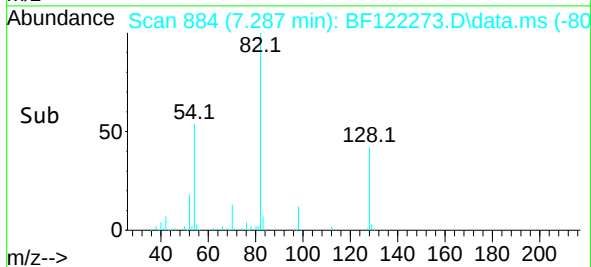
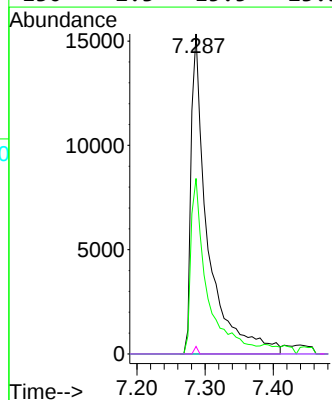
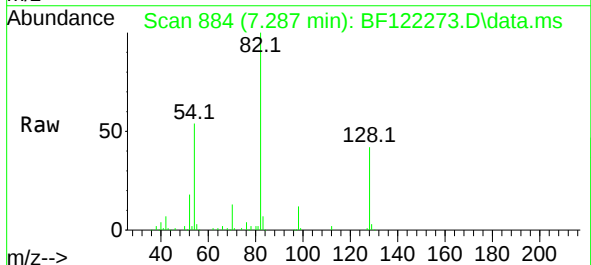
Instrument :
BNA_F
ClientSampleId :
OK-01-110320

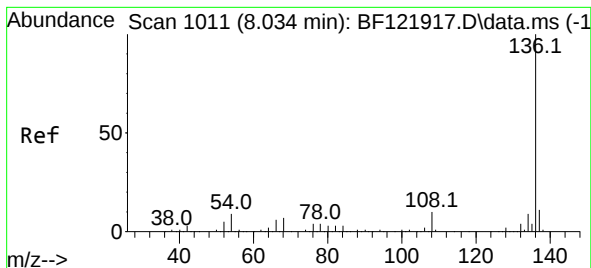
Tgt Ion: 99 Resp: 309263
Ion Ratio Lower Upper
99 100
42 20.8 15.9 23.9
71 34.5 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.03 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.147 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion: 70 Resp: 26045
Ion Ratio Lower Upper
70 100
42 54.8 50.2 75.4
101 0.0 7.5 11.3#
130 2.3 15.5 23.3#



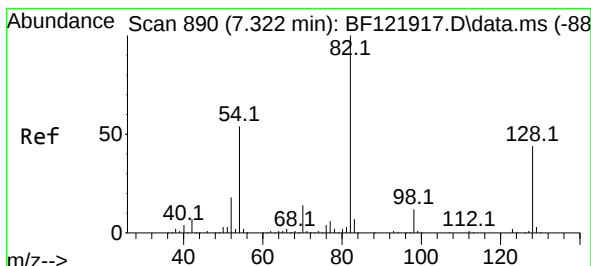
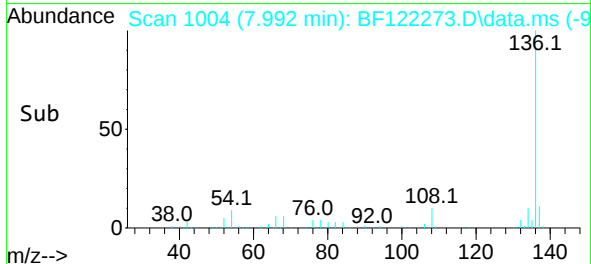
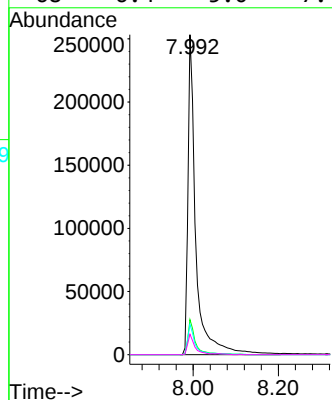
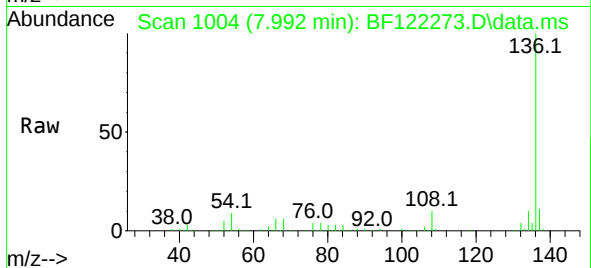


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Instrument :
BNA_F
ClientSampleId :
OK-01-110320

Tgt Ion:136 Resp: 326139

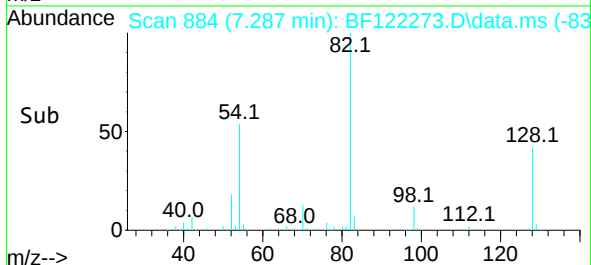
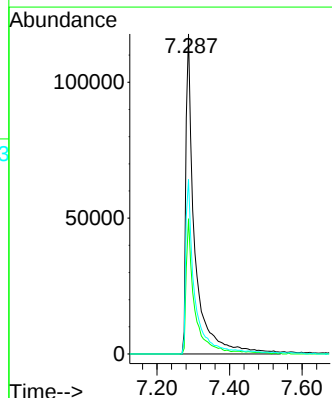
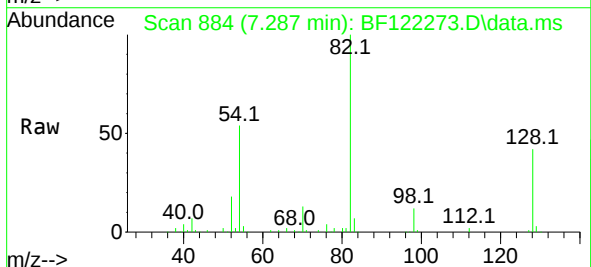
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.4	7.1	10.7
68	6.4	5.0	7.4

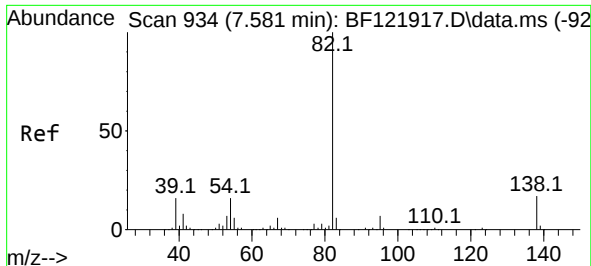


#23
Nitrobenzene-d5
Concen: 31.70 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion: 82 Resp: 201562

Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.0	52.4
54	54.5	43.9	65.9

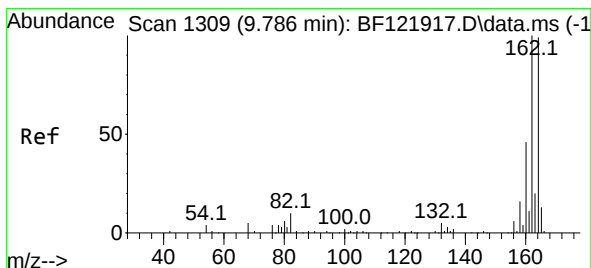
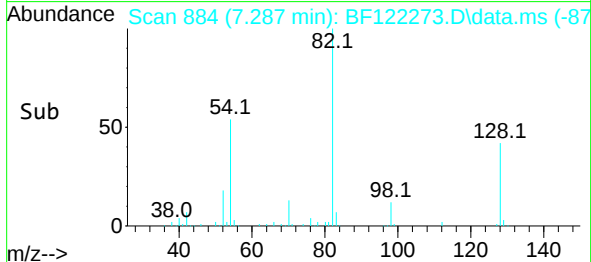
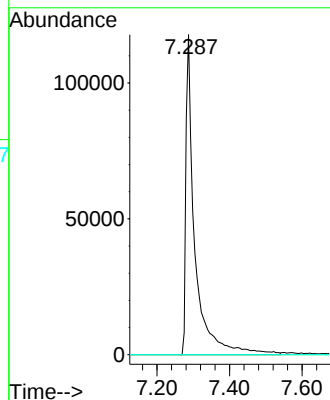
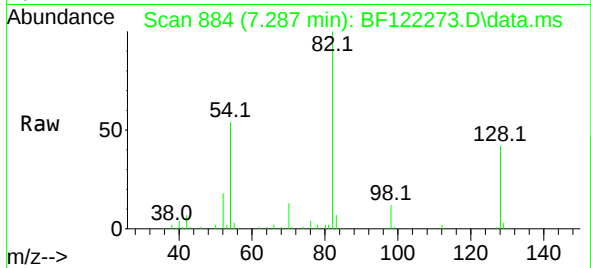




#25
Isophorone
Concen: 16.76 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.259 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

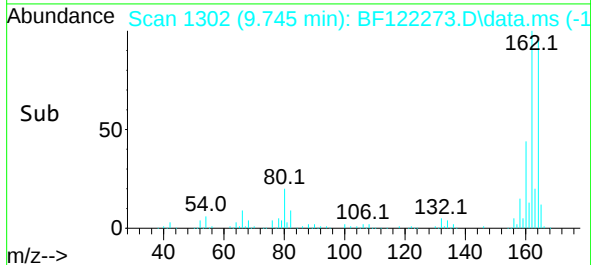
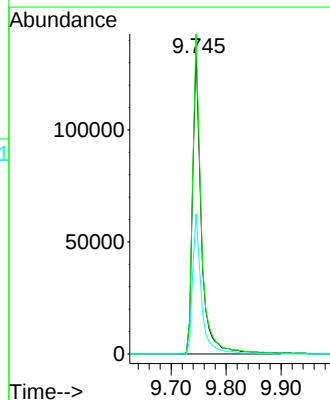
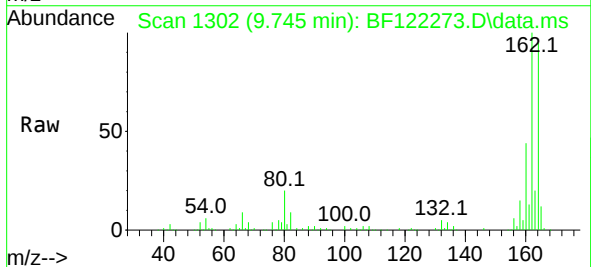
Instrument :
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OK-01-110320

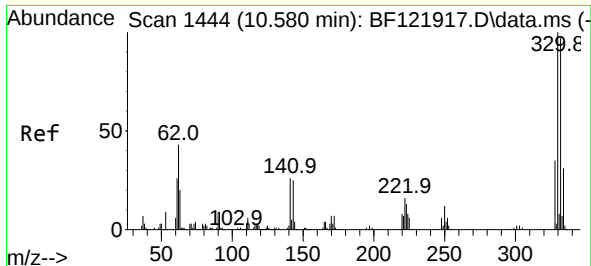
Tgt Ion: 82 Resp: 201562
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:164 Resp: 150082
Ion Ratio Lower Upper
164 100
162 105.6 83.2 124.8
160 46.2 37.5 56.3

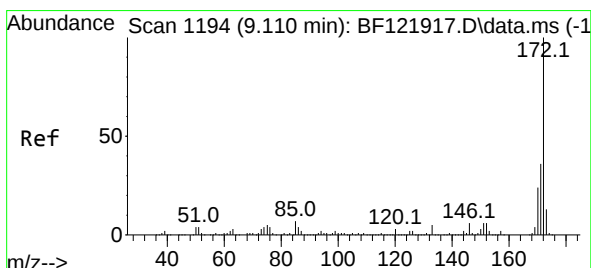
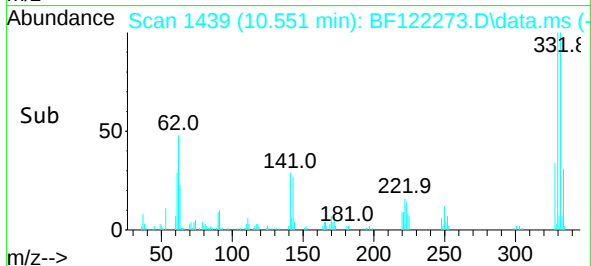
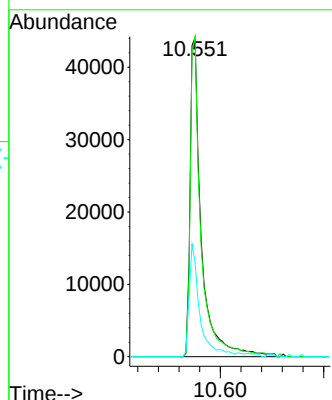
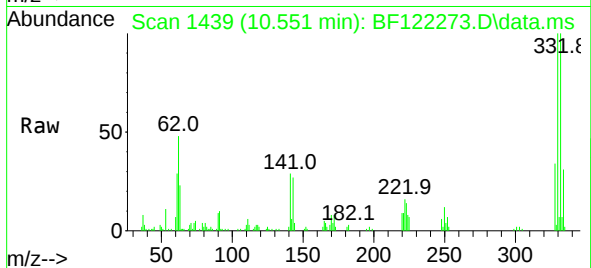




#42
2,4,6-Tribromophenol
Concen: 35.94 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

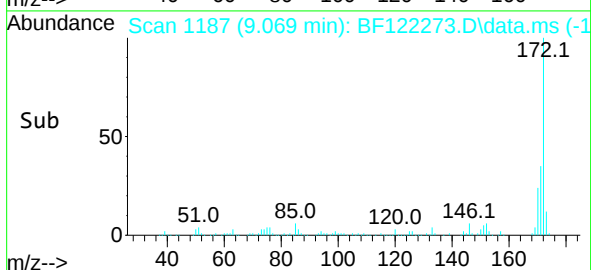
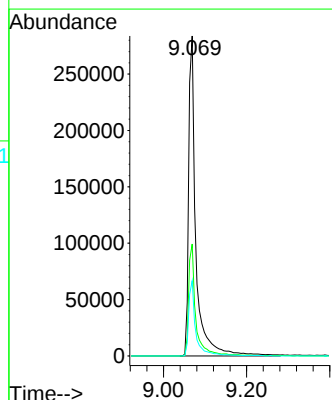
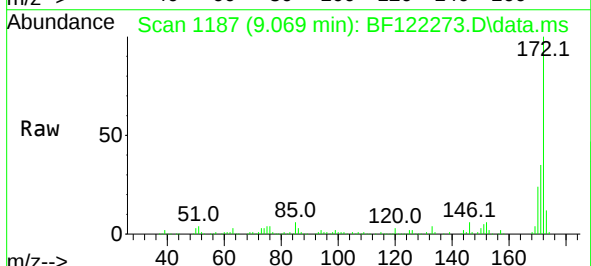
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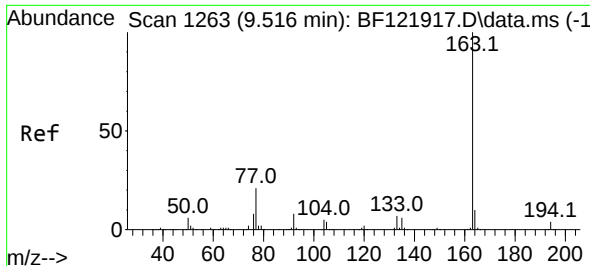
Tgt Ion:330 Resp: 66725
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 33.0 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 33.97 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:172 Resp: 346499
Ion Ratio Lower Upper
172 100
171 35.0 29.1 43.7
170 23.5 19.8 29.6

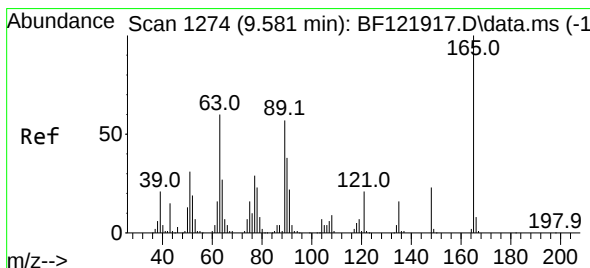
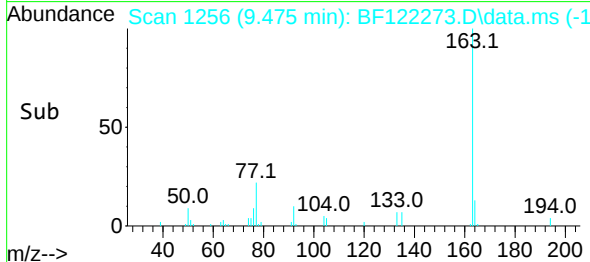
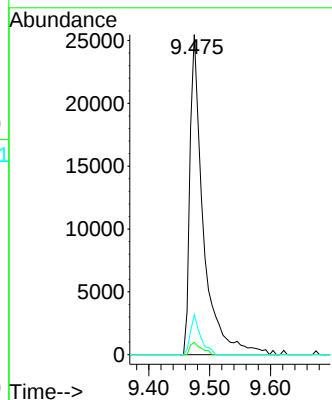
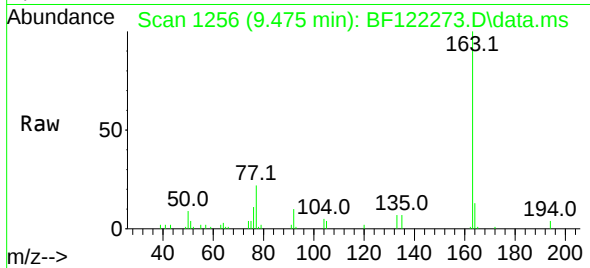




#50
Dimethylphthalate
Concen: 3.56 ng
RT: 9.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

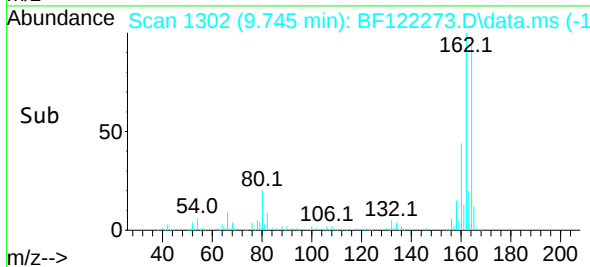
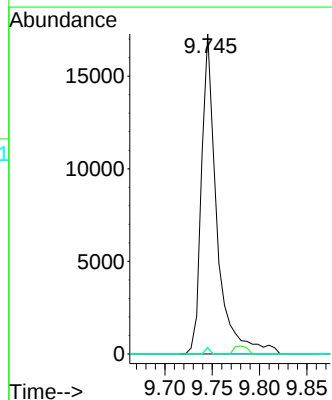
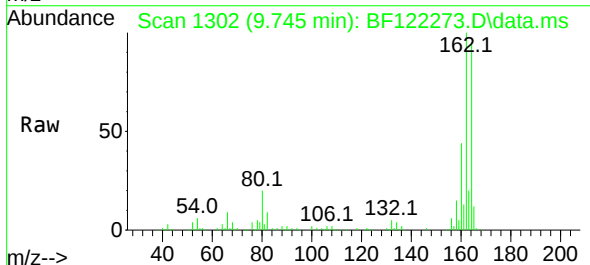
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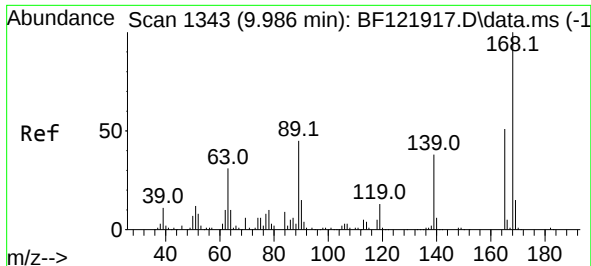
Tgt Ion:163 Resp: 39096
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 12.5 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 8.09 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.194 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

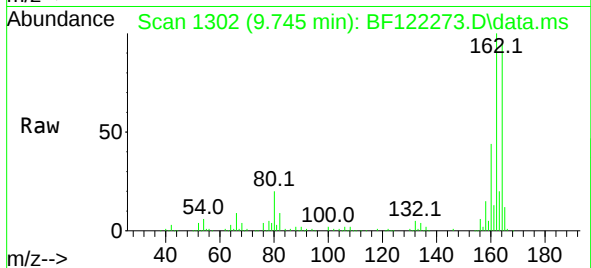
Tgt Ion:165 Resp: 19486
Ion Ratio Lower Upper
165 100
63 2.1 51.8 77.6#
89 1.8 49.0 73.6#



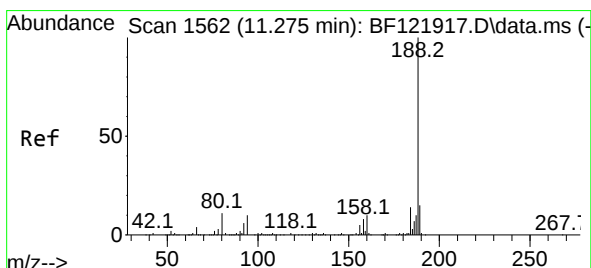
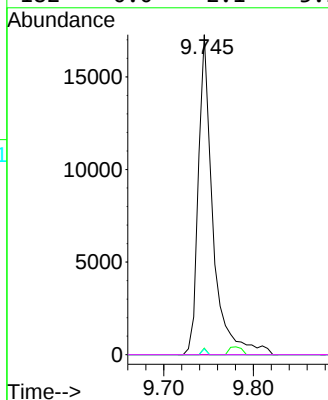
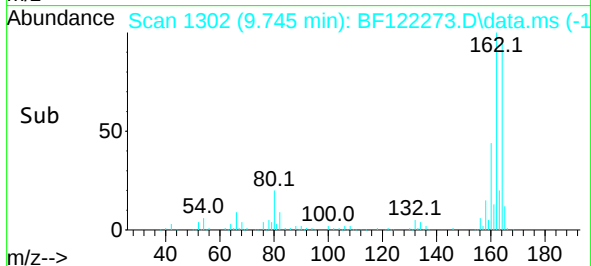


#57
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

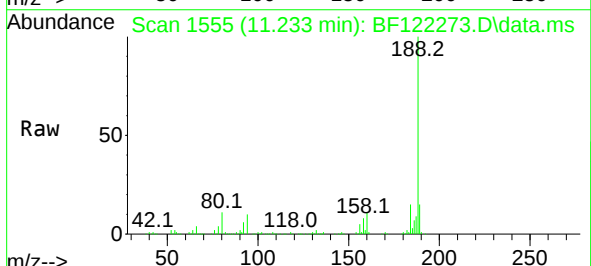
Instrument :
BNA_F
ClientSampleId :
OK-01-110320



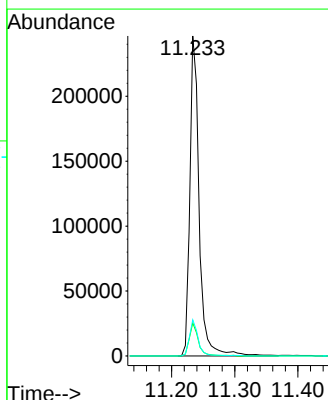
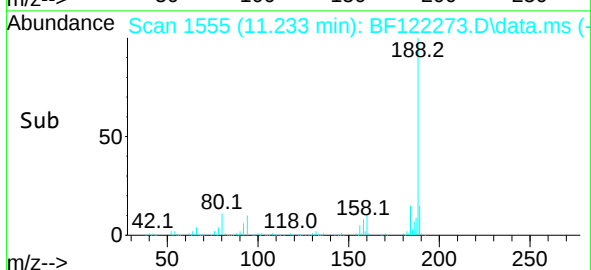
Tgt Ion:165 Resp: 19486
Ion Ratio Lower Upper
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63 2.1 41.3 61.9#
89 1.8 61.8 92.8#
182 0.0 2.1 3.1#

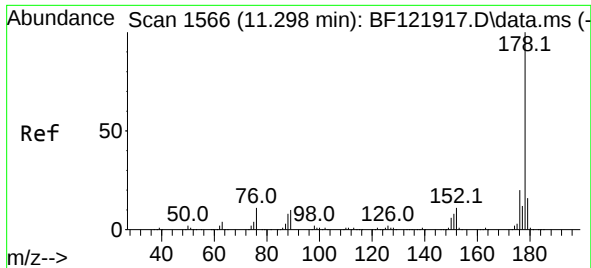


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17



Tgt Ion:188 Resp: 253966
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.3 9.1 13.7

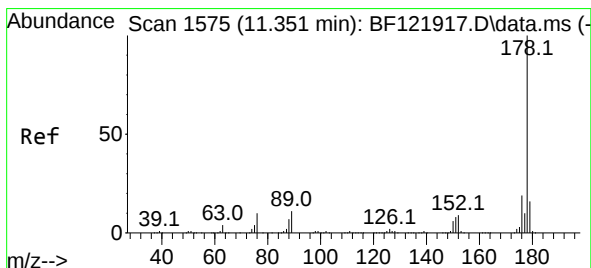
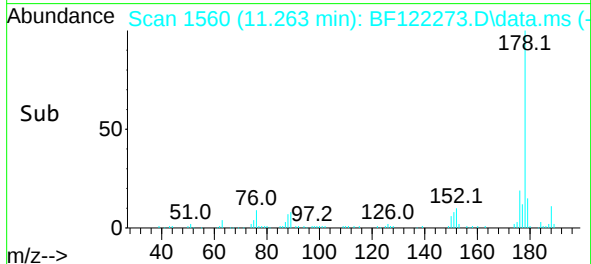
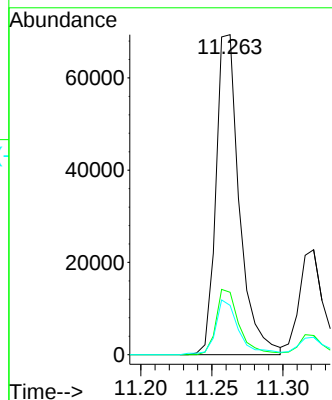
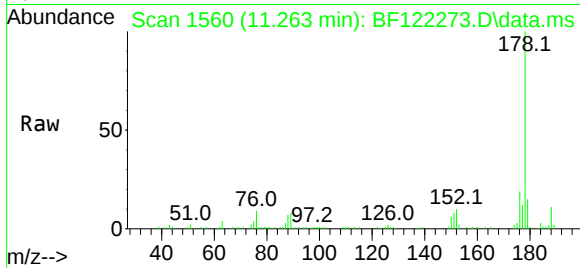




#71
Phenanthrene
Concen: 5.70 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

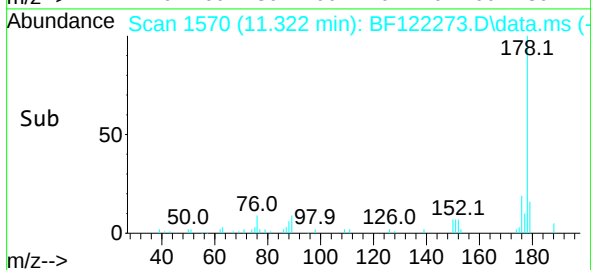
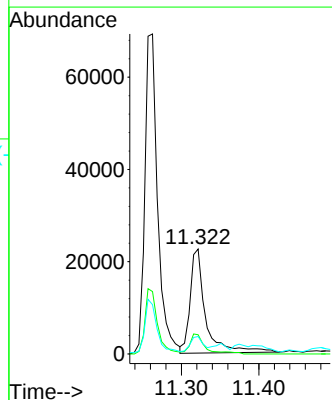
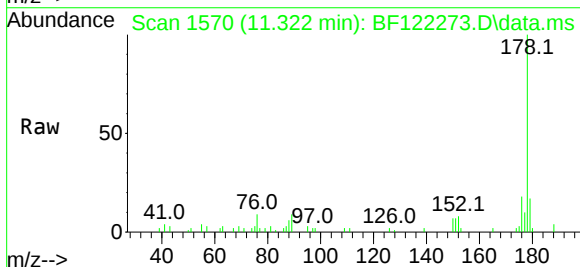
Instrument :
BNA_F
ClientSampleId :
OK-01-110320

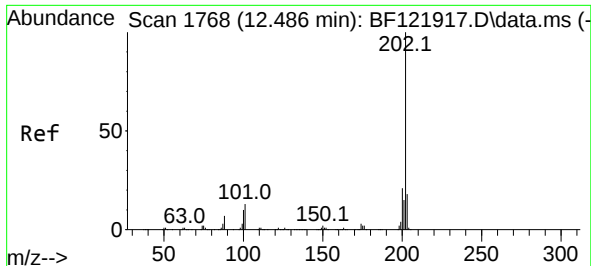
Tgt Ion:178 Resp: 79360
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.4 12.2 18.4



#72
Anthracene
Concen: 2.16 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:178 Resp: 31245
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 16.6 12.7 19.1

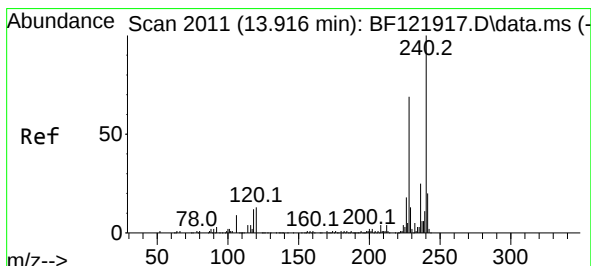
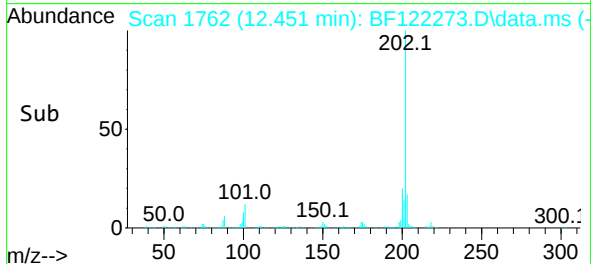
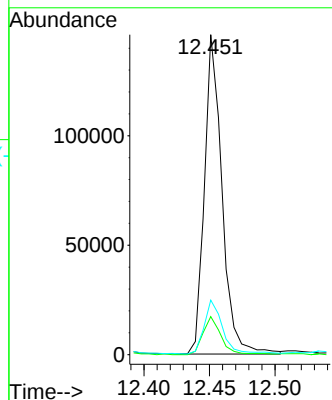
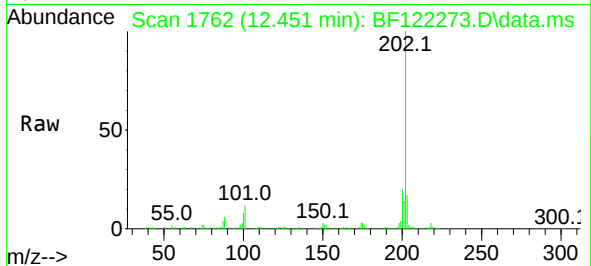




#75
Fluoranthene
Concen: 9.14 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

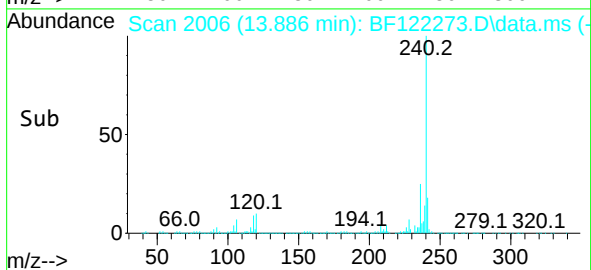
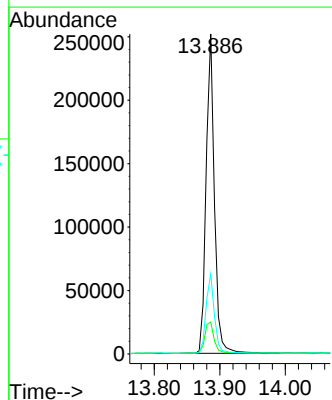
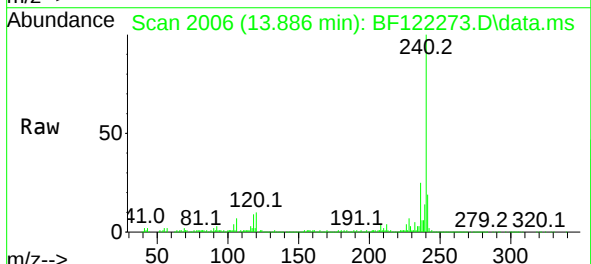
Instrument :
BNA_F
ClientSampleId :
OK-01-110320

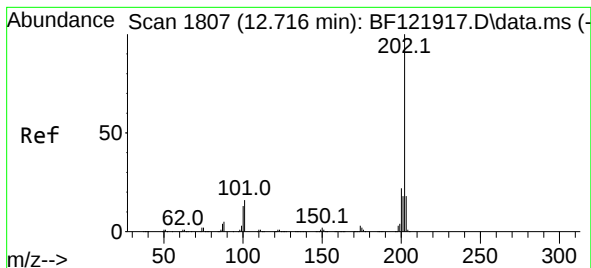
Tgt Ion:202 Resp: 136476
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.4
203 17.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:240 Resp: 223190
Ion Ratio Lower Upper
240 100
120 10.0 9.2 13.8
236 25.1 20.9 31.3





#78

Pyrene

Concen: 8.42 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF122273.D

Acq: 4 Nov 2020 20:17

Tgt Ion:202 Resp: 143235

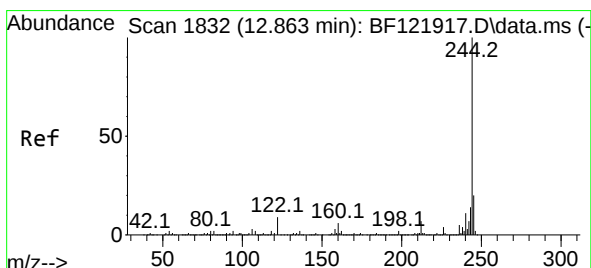
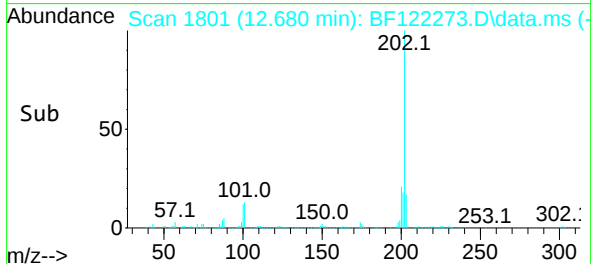
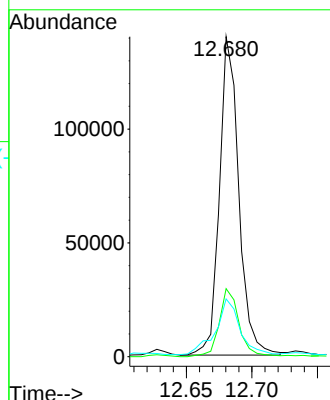
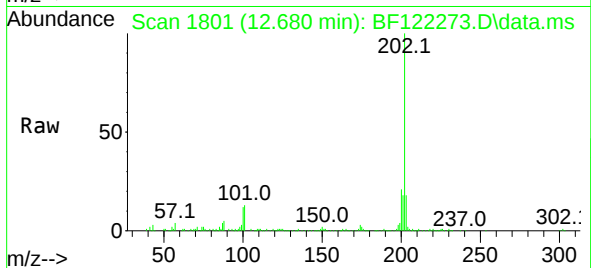
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.1	14.6	21.8

Instrument :

BNA_F

ClientSampleId :

OK-01-110320



#79

Terphenyl-d14

Concen: 25.05 ng

RT: 12.816 min Scan# 1824

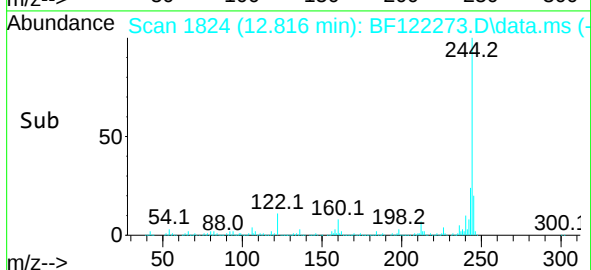
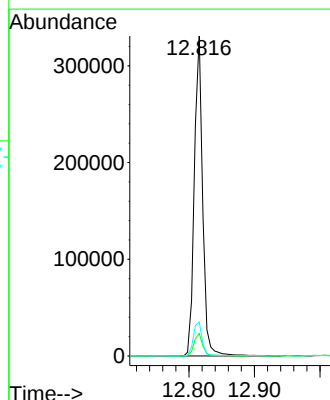
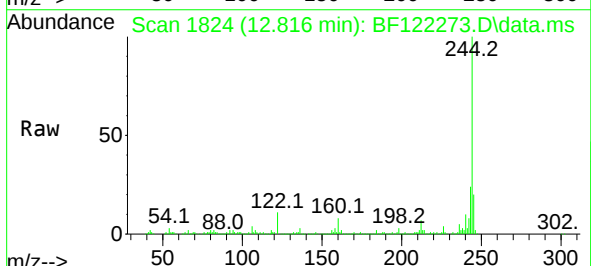
Delta R.T. -0.000 min

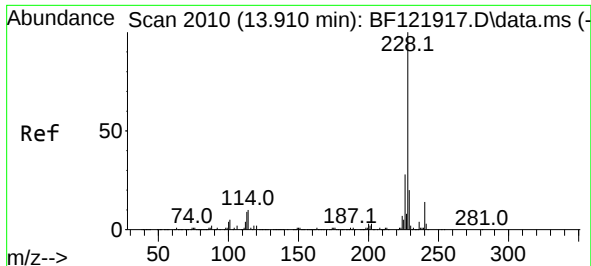
Lab File: BF122273.D

Acq: 4 Nov 2020 20:17

Tgt Ion:244 Resp: 293398

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.6	8.1	12.1

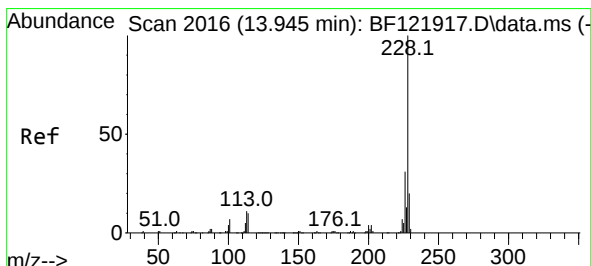
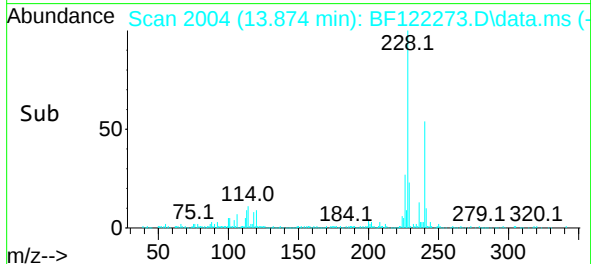
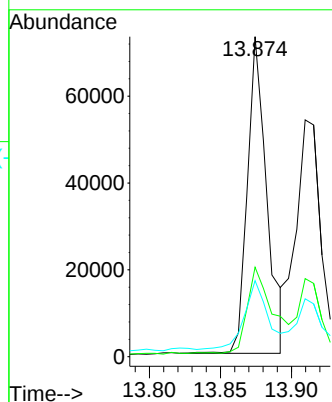
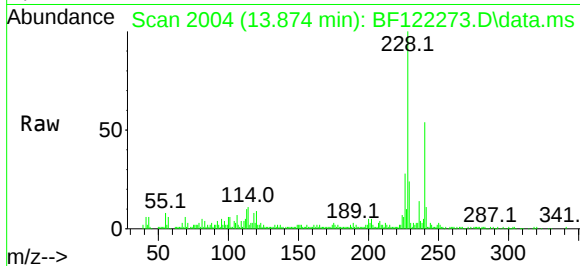




#81
Benzo(a)anthracene
Concen: 4.75 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

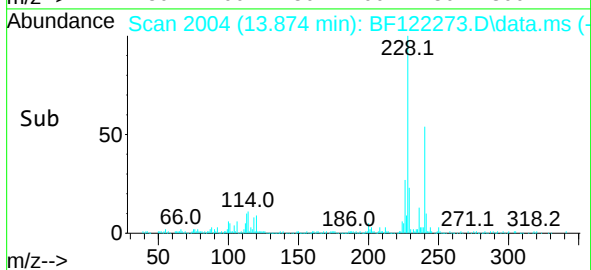
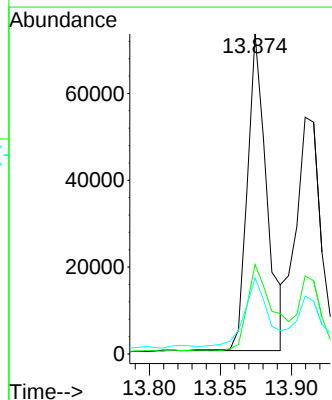
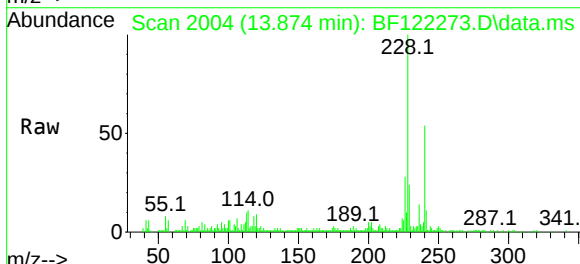
Instrument :
BNA_F
ClientSampleId :
OK-01-110320

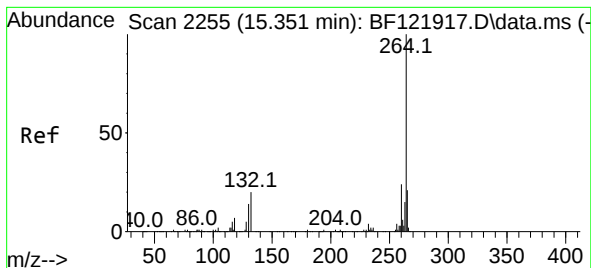
Tgt Ion:228 Resp: 69524
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 23.8 16.2 24.4



#83
Chrysene
Concen: 4.84 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.029 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:228 Resp: 69524
Ion Ratio Lower Upper
228 100
226 28.0 24.6 37.0
229 23.8 15.9 23.9

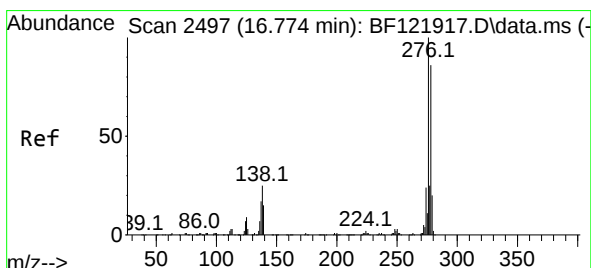
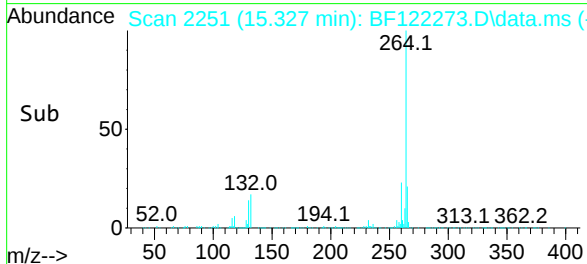
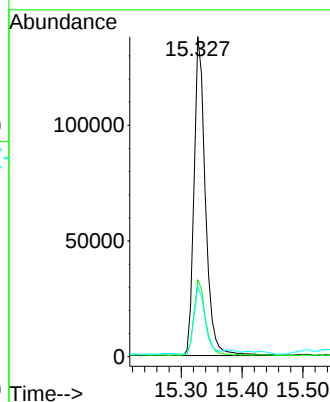
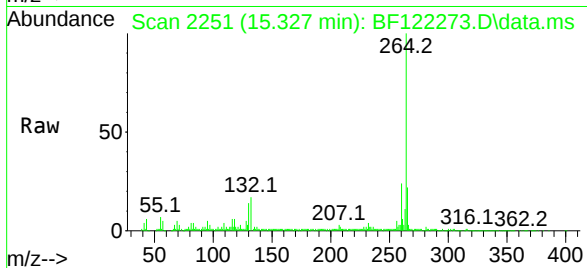




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.024 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

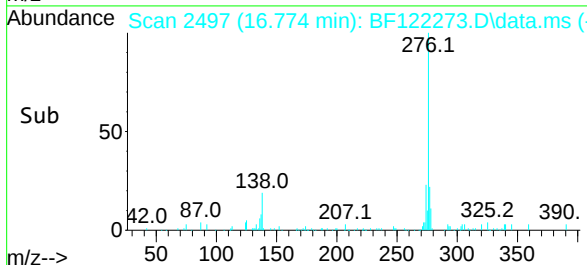
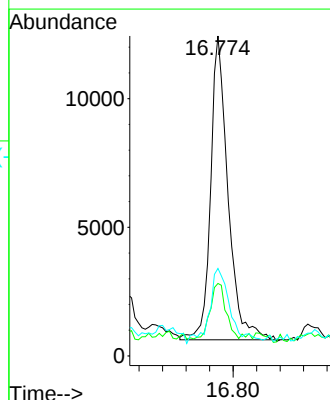
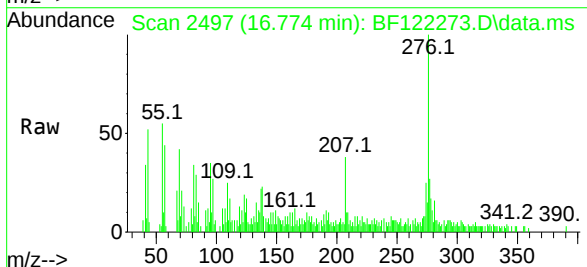
Instrument :
BNA_F
ClientSampleId :
OK-01-110320

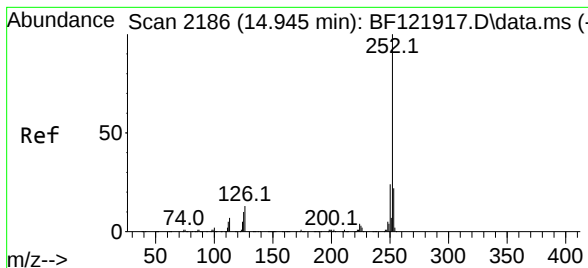
Tgt Ion:264 Resp: 178938
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.8 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.09 ng
RT: 16.774 min Scan# 2497
Delta R.T. 0.059 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:276 Resp: 24228
Ion Ratio Lower Upper
276 100
138 17.0 19.9 29.9#
277 27.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.84 ng

RT: 14.921 min Scan# 2182

Delta R.T. 0.024 min

Lab File: BF122273.D

Acq: 4 Nov 2020 20:17

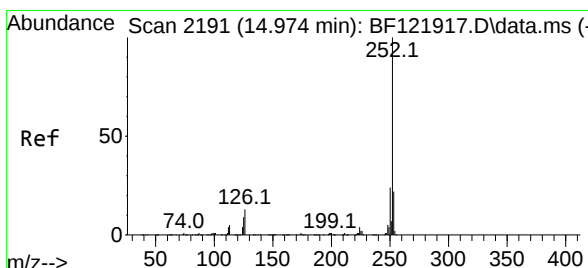
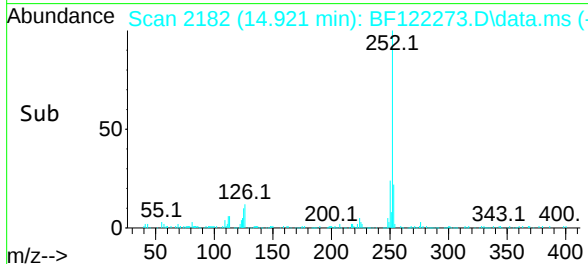
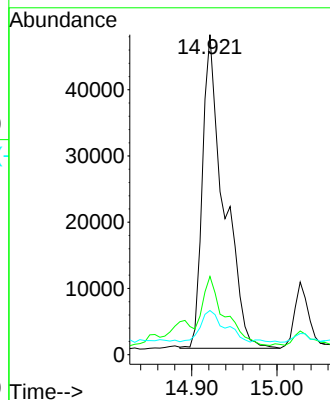
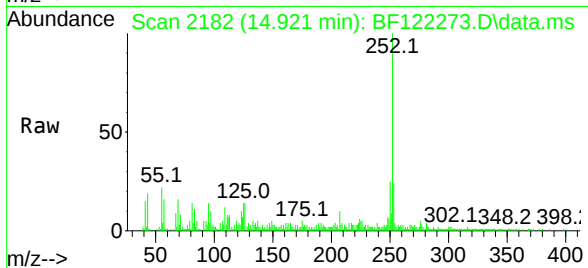
Tgt Ion:252 Resp: 82768

Ion Ratio Lower Upper

252 100

253 24.4 18.2 27.2

125 13.8 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 7.20 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF122273.D

Acq: 4 Nov 2020 20:17

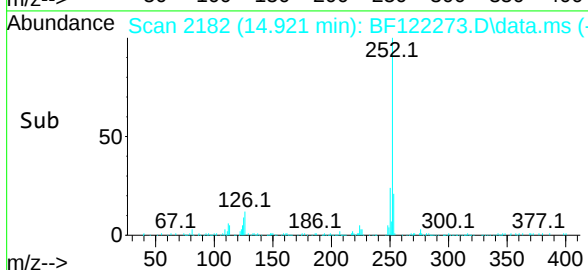
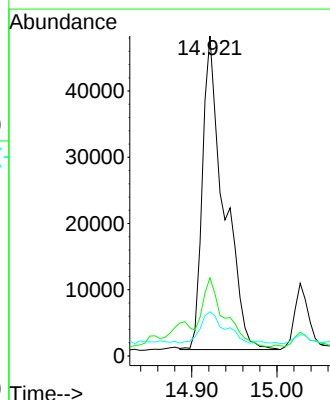
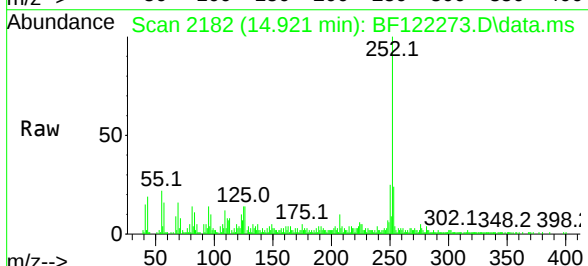
Tgt Ion:252 Resp: 82768

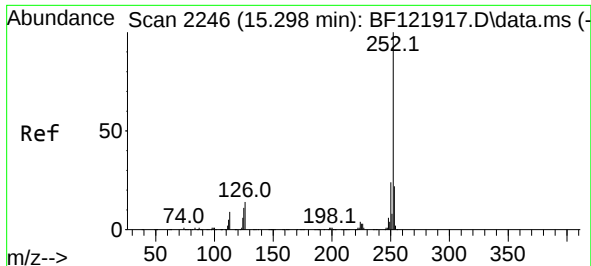
Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 13.8 7.7 11.5#

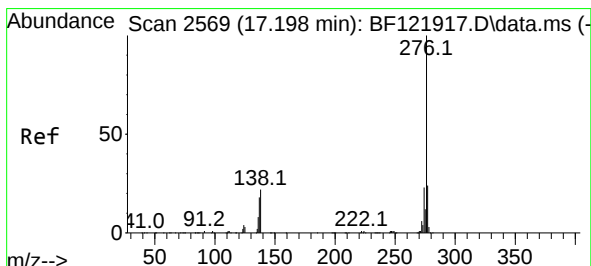
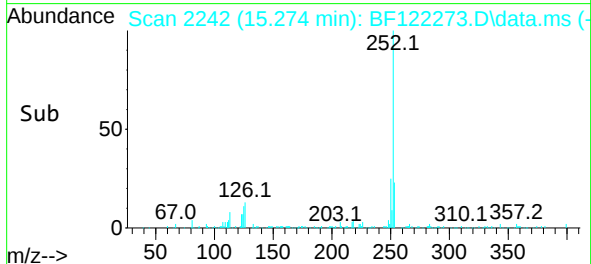
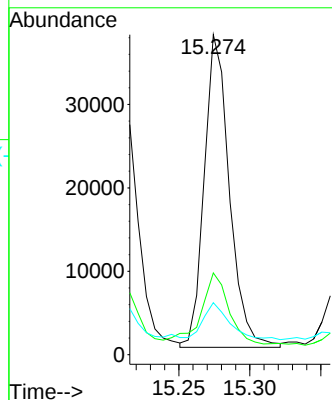
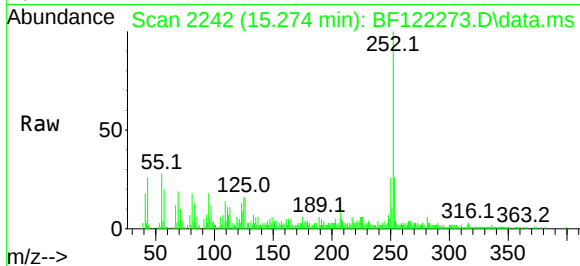




#90
Benzo(a)pyrene
Concen: 4.42 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.024 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Instrument :
BNA_F
ClientSampleId :
OK-01-110320

Tgt Ion:252 Resp: 46147
Ion Ratio Lower Upper
252 100
253 25.6 17.3 25.9
125 16.2 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.72 ng
RT: 17.209 min Scan# 2571
Delta R.T. 0.076 min
Lab File: BF122273.D
Acq: 4 Nov 2020 20:17

Tgt Ion:276 Resp: 26006
Ion Ratio Lower Upper
276 100
277 29.2 19.4 29.2#
138 21.0 17.8 26.6

