

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123994.D
 Acq On : 19 May 2021 17:15
 Operator : JU/CG
 Sample : M2439-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-282

Quant Time: May 20 02:26:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

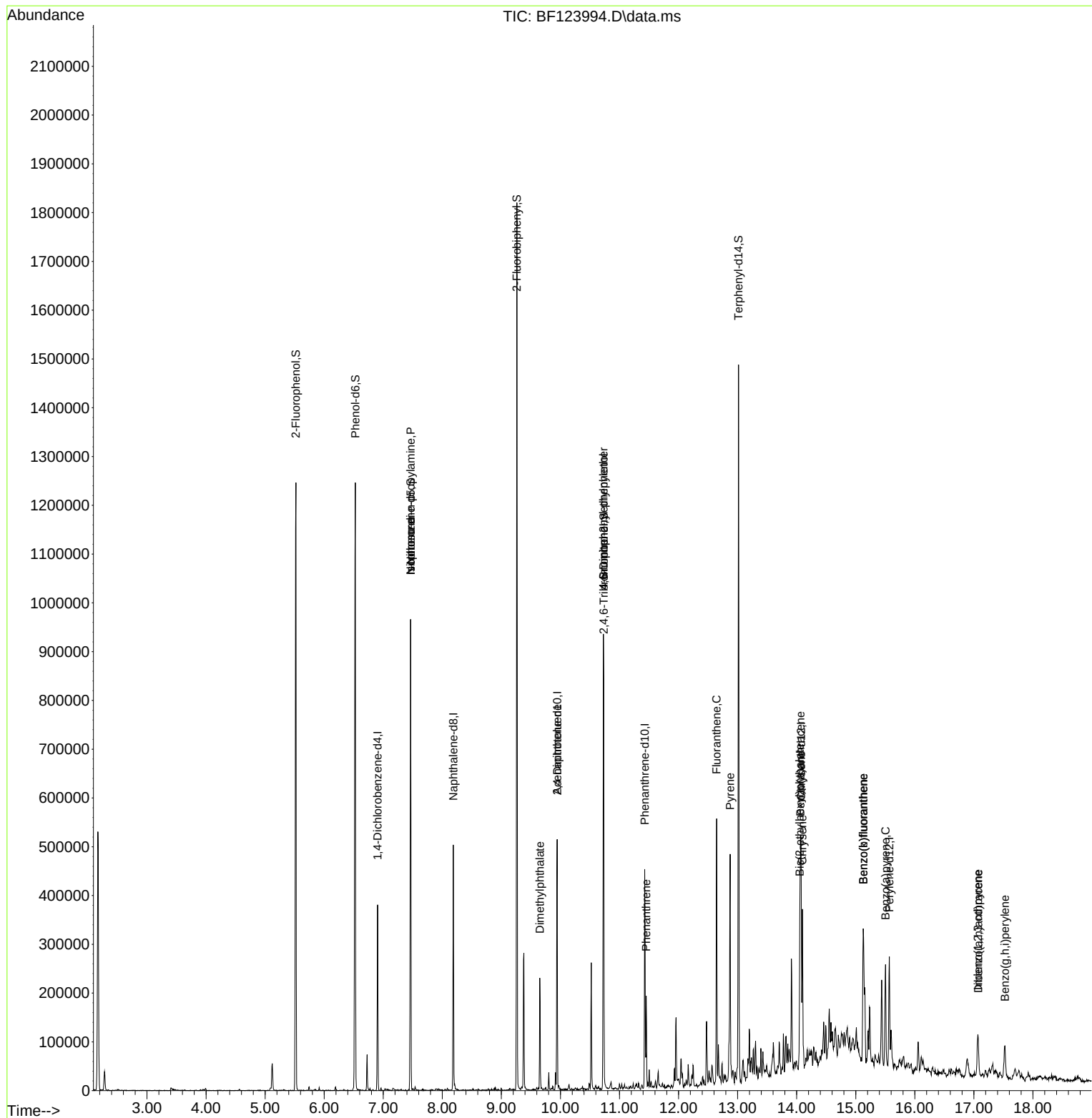
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	39334	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	163578	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	89535	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	142541	20.00	ng	# 0.00
76) Chrysene-d12	14.074	240	107843	20.00	ng	0.00
86) Perylene-d12	15.568	264	84112	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	276316	98.63	ng	0.01
7) Phenol-d6	6.528	99	354631	97.58	ng	0.00
23) Nitrobenzene-d5	7.463	82	255898	67.40	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	99572	92.59	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	454701	62.50	ng	0.00
79) Terphenyl-d14	13.015	244	395871	55.60	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	36609	14.91	ng	# 69
25) Isophorone	7.463	82	255892	35.04	ng	# 69
50) Dimethylphthalate	9.651	163	73046	10.22	ng	98
57) 2,4-Dinitrotoluene	9.945	165	12194	6.88	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.727	198	128	5.56	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	6641	3.55	ng	# 1
71) Phenanthrene	11.451	178	54580	6.04	ng	98
75) Fluoranthene	12.645	202	181163	19.37	ng	98
78) Pyrene	12.874	202	169297	17.68	ng	99
81) Benzo(a)anthracene	14.063	228	100016	12.82	ng	97
83) Chrysene	14.098	228	103348	13.78	ng	98
84) Bis(2-ethylhexyl)phtha...	14.051	149	53368	10.07	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	51332	7.90	ng	# 94
88) Benzo(b)fluoranthene	15.127	252	204718	31.46	ng	# 96
89) Benzo(k)fluoranthene	15.127	252	204718	34.52	ng	# 97
90) Benzo(a)pyrene	15.504	252	89632	15.94	ng	96
91) Dibenzo(a,h)anthracene	17.074	278	13225	2.42	ng	92
92) Benzo(g,h,i)perylene	17.527	276	47695	8.69	ng	95

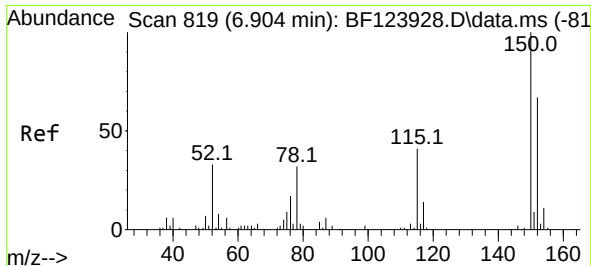
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123994.D
Acq On : 19 May 2021 17:15
Operator : JU/CG
Sample : M2439-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-282

Quant Time: May 20 02:26:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

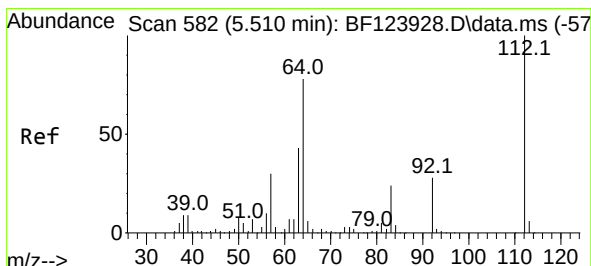
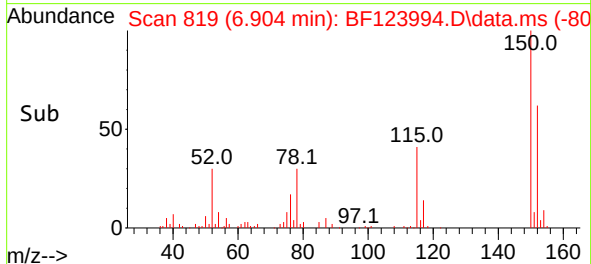
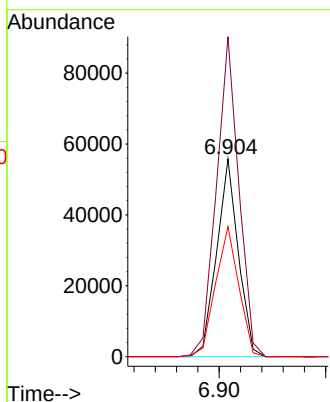
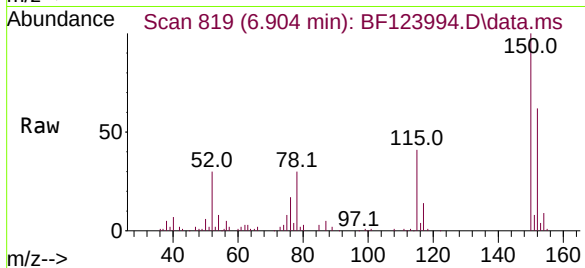




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

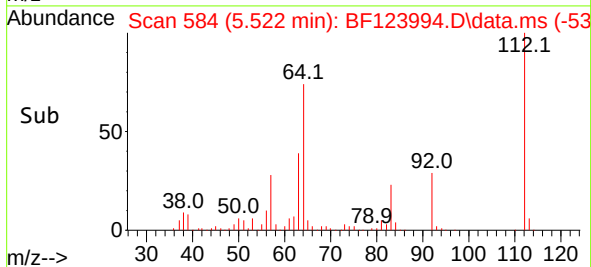
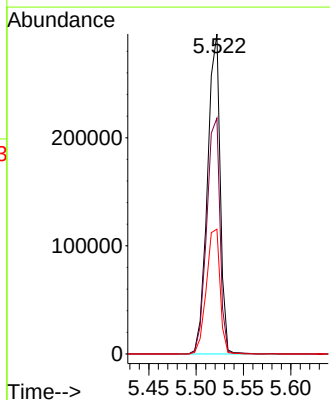
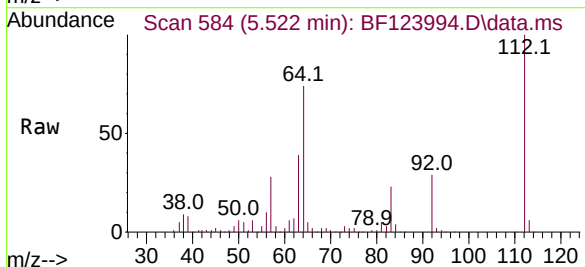
Instrument :
BNA_F
ClientSampled :
RO-282

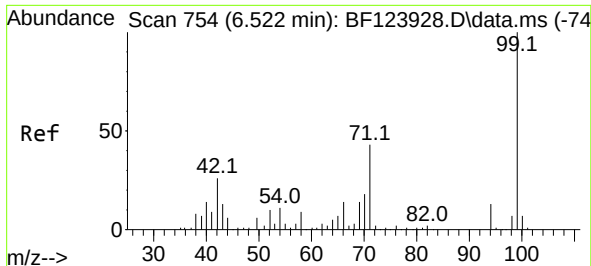
Tgt Ion:152 Resp: 39334
Ion Ratio Lower Upper
152 100
150 161.8 127.0 190.6
115 65.8 54.3 81.5



#5
2-Fluorophenol
Concen: 98.63 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.012 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:112 Resp: 276316
Ion Ratio Lower Upper
112 100
64 73.7 61.4 92.0
63 39.0 33.0 49.4

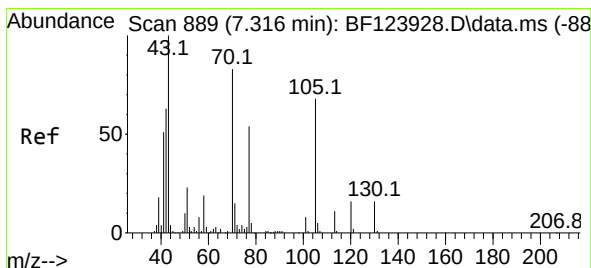
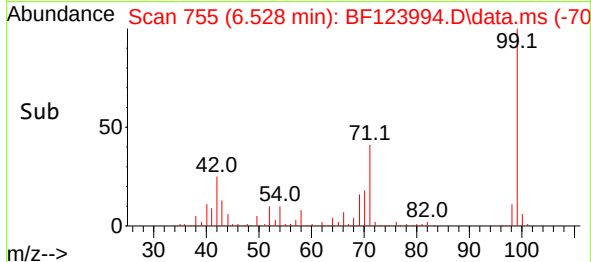
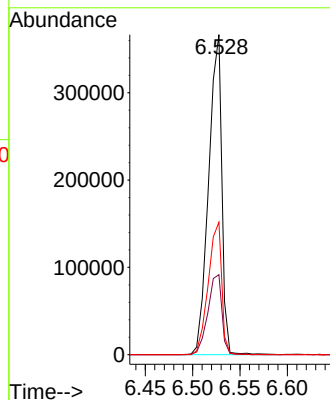
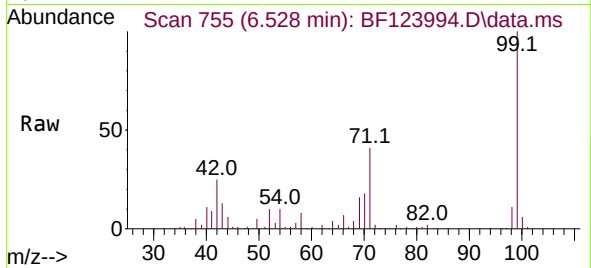




#7
Phenol-d6
Concen: 97.58 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

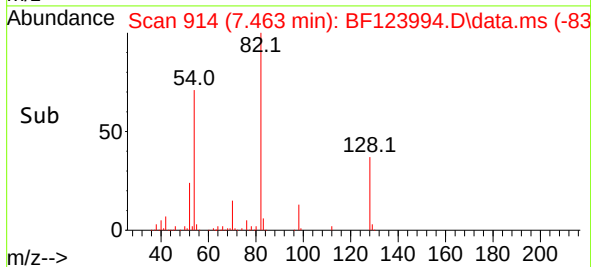
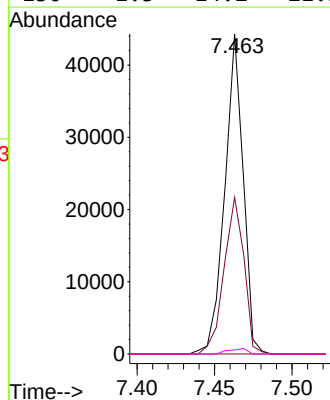
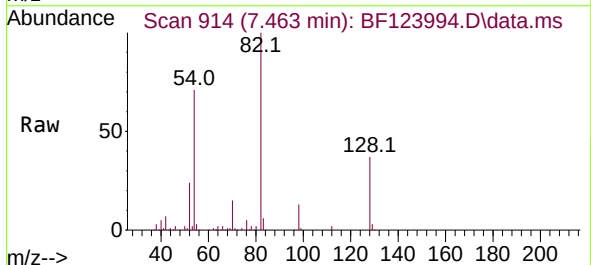
Instrument :
BNA_F
ClientSampled :
RO-282

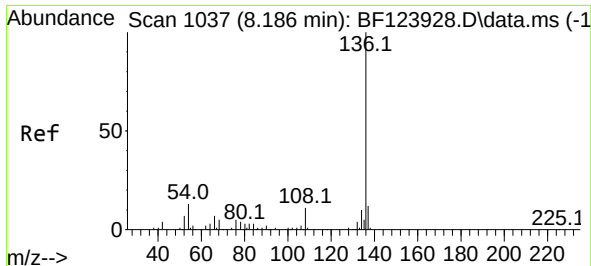
Tgt Ion: 99 Resp: 354631
Ion Ratio Lower Upper
99 100
42 25.0 19.8 29.8
71 41.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.91 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion: 70 Resp: 36609
Ion Ratio Lower Upper
70 100
42 48.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.3 14.2 21.2#

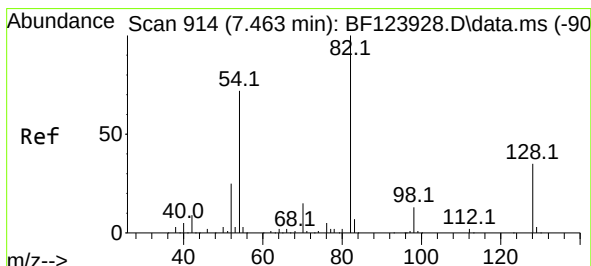
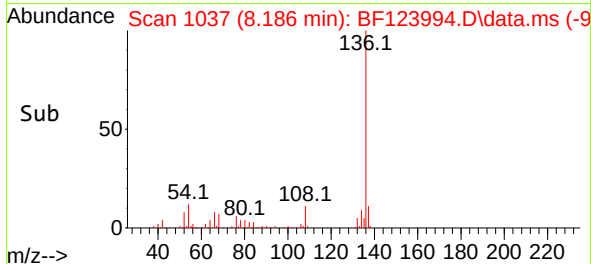
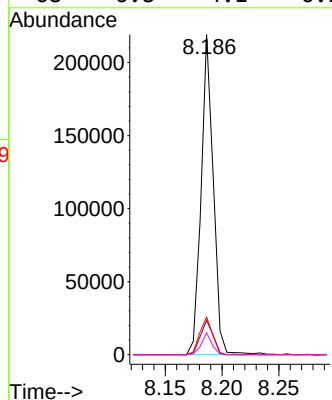
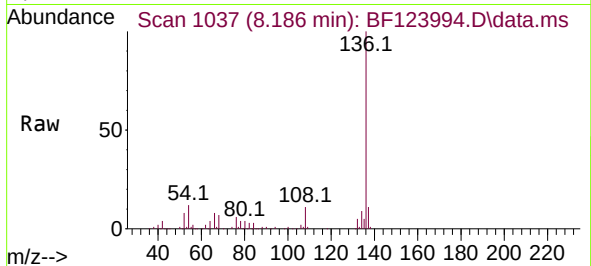




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

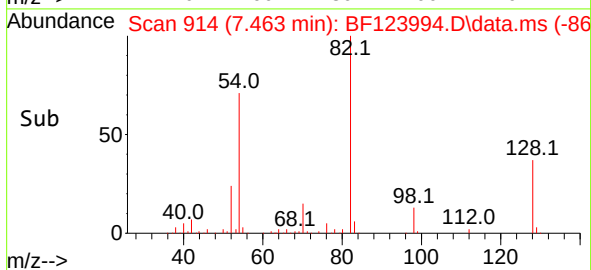
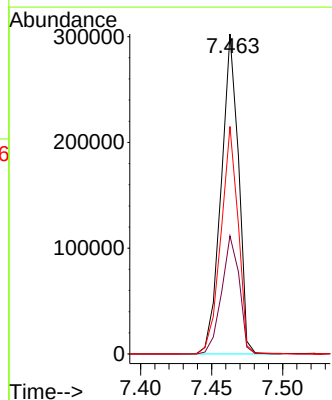
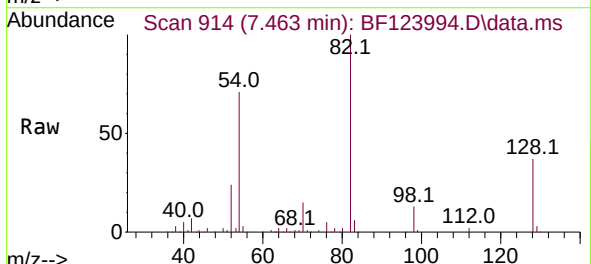
Instrument :
BNA_F
ClientSampleId :
RO-282

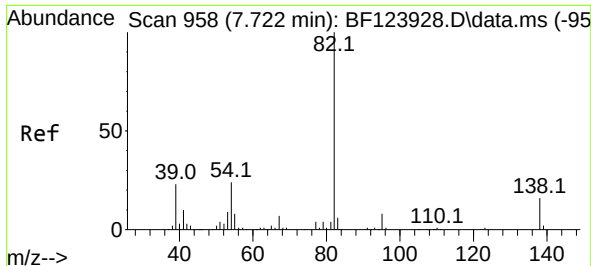
Tgt Ion:	136	Resp:	163578
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	11.7	9.8	14.6
68	6.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 67.40 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:	82	Resp:	255898
Ion Ratio	Lower	Upper	
82	100		
128	36.9	29.4	44.2
54	71.1	54.1	81.1

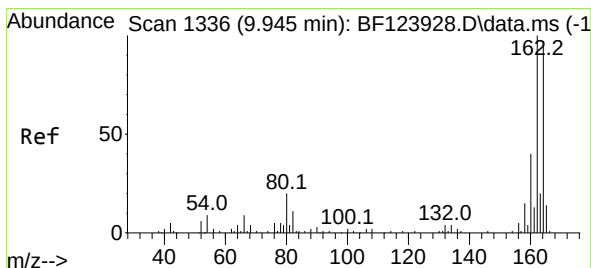
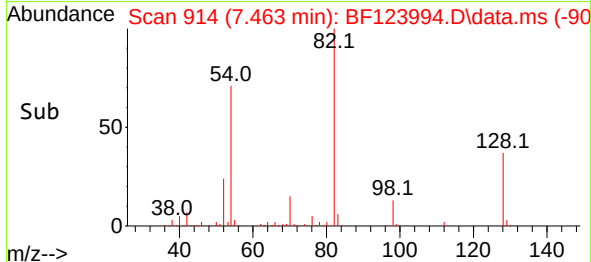
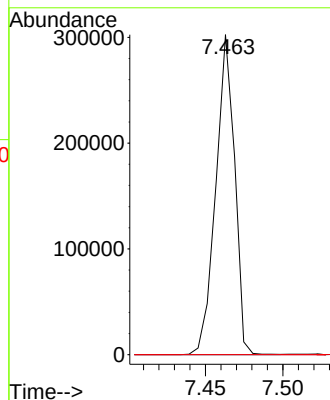
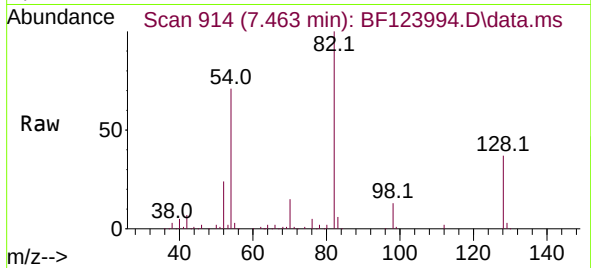




#25
Isophorone
Concen: 35.04 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

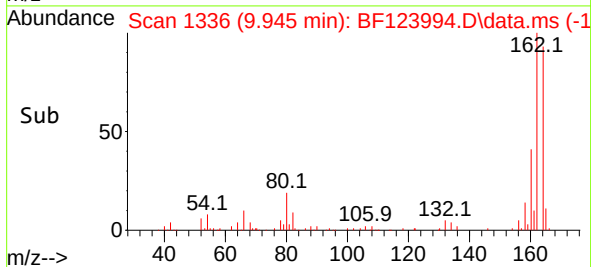
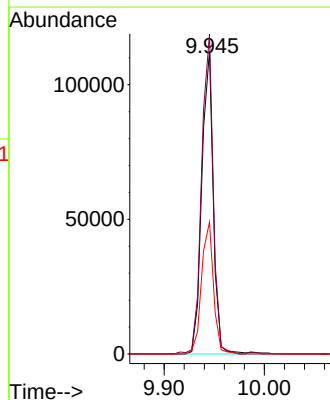
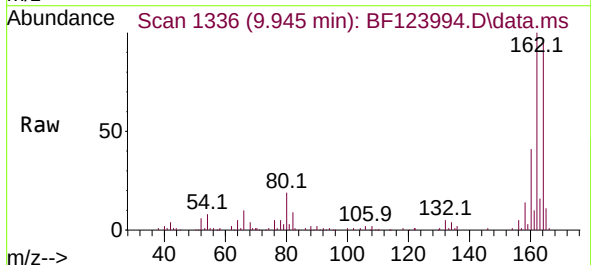
Instrument :
BNA_F
ClientSampleId :
RO-282

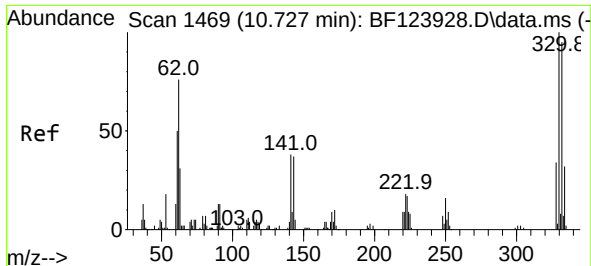
Tgt Ion: 82 Resp: 255892
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion: 164 Resp: 89535
Ion Ratio Lower Upper
164 100
162 105.7 80.7 121.1
160 43.6 37.3 55.9

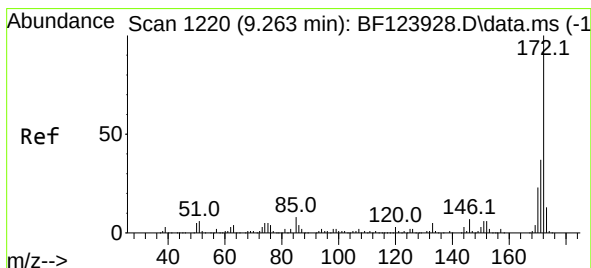
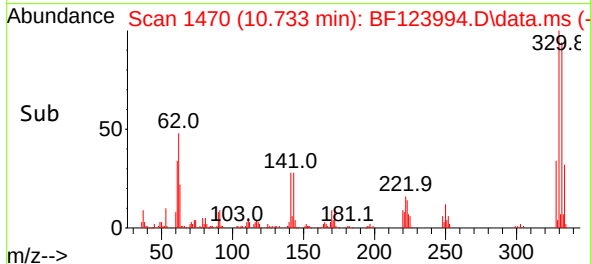
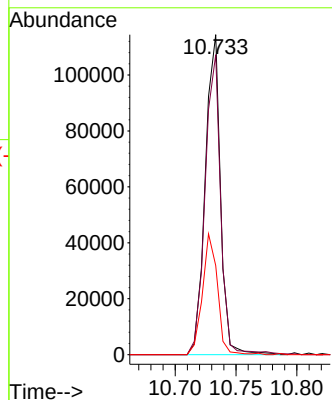
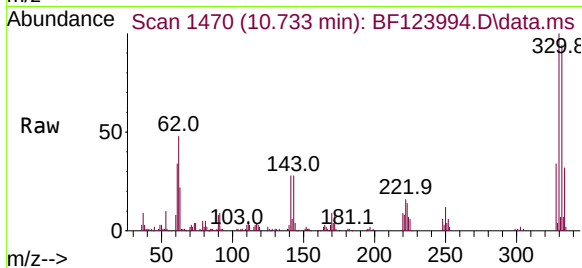




#42
2,4,6-Tribromophenol
Concen: 92.59 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.006 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

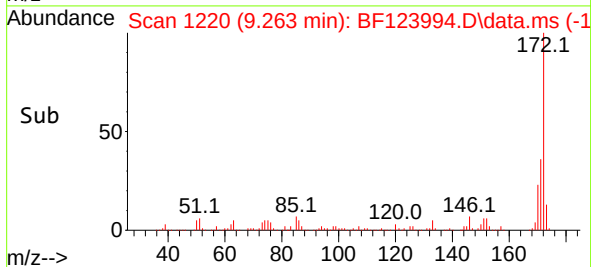
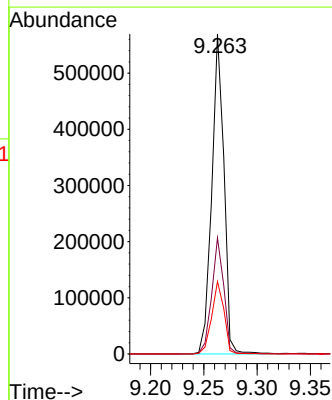
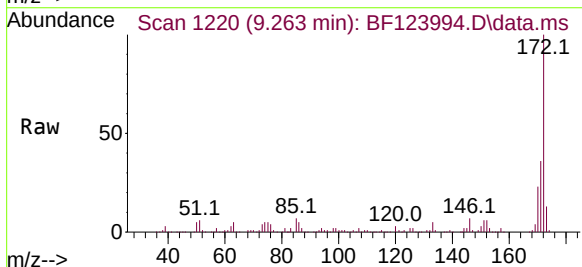
Instrument :
BNA_F
ClientSampled :
RO-282

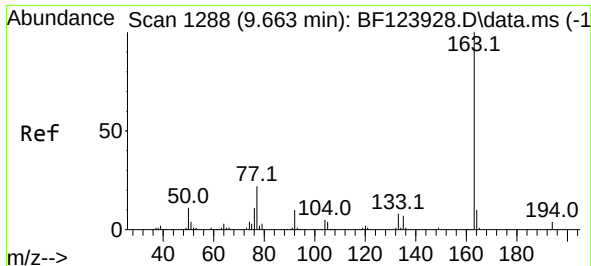
Tgt Ion:330 Resp: 99572
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 37.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 62.50 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:172 Resp: 454701
Ion Ratio Lower Upper
172 100
171 36.3 28.1 42.1
170 22.6 19.2 28.8

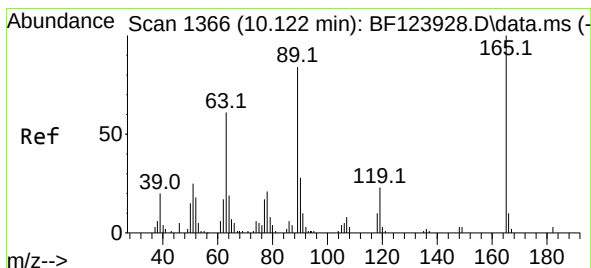
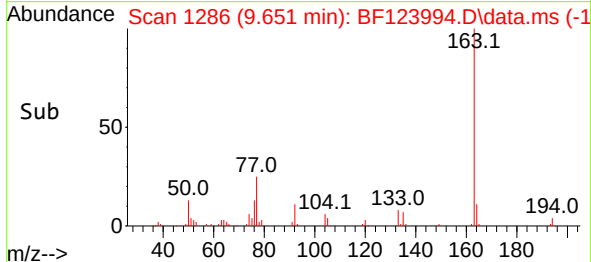
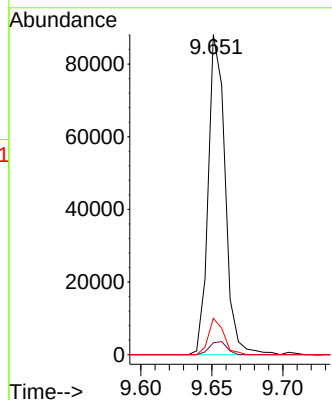
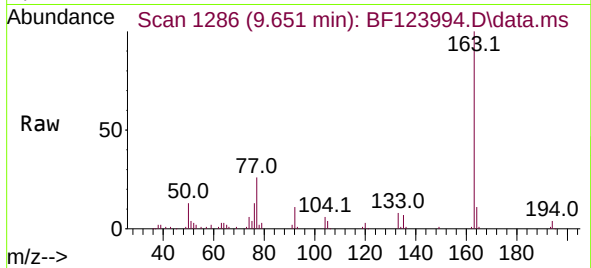




#50
Dimethylphthalate
Concen: 10.22 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

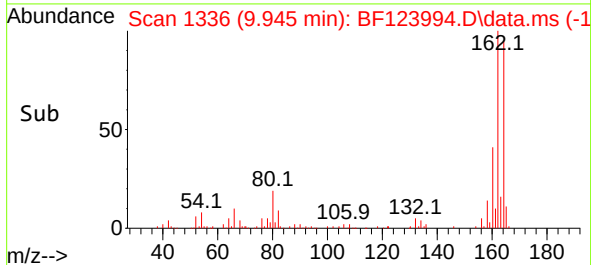
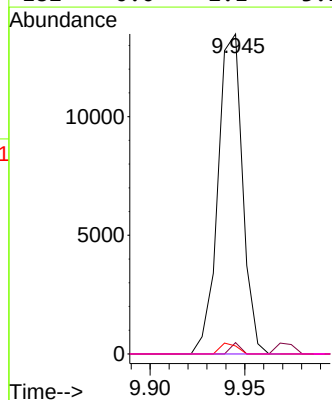
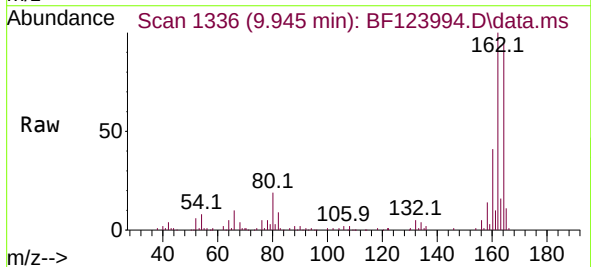
Instrument :
BNA_F
ClientSampled :
RO-282

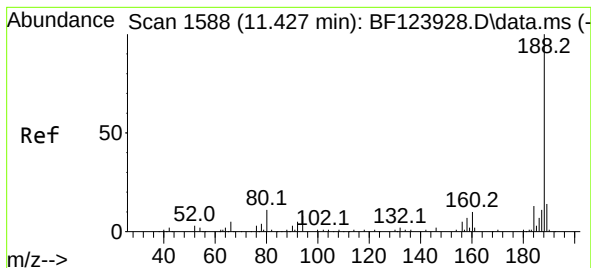
Tgt Ion:163 Resp: 73046
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 11.4 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.88 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.176 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:165 Resp: 12194
Ion Ratio Lower Upper
165 100
63 3.6 43.5 65.3#
89 2.5 67.7 101.5#
182 0.0 2.1 3.1#

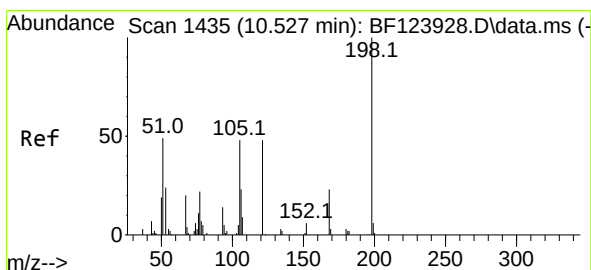
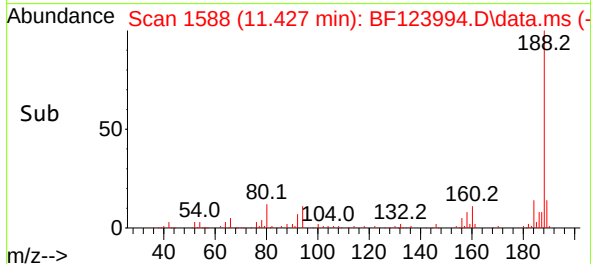
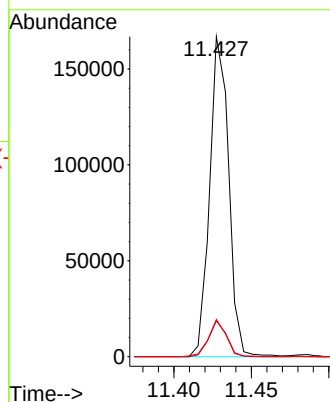
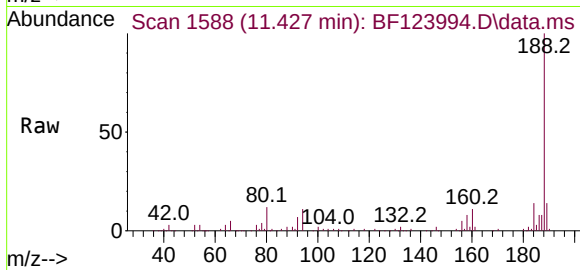




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

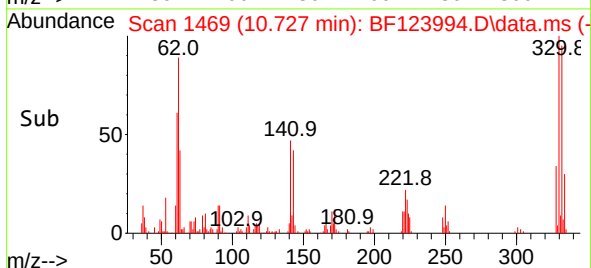
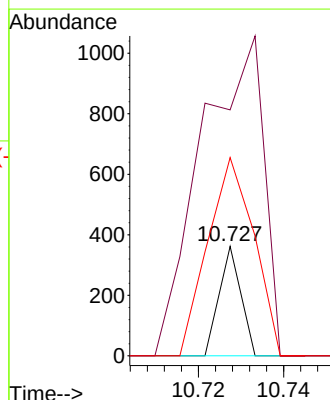
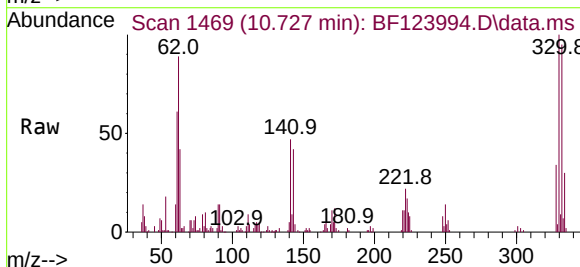
Instrument :
BNA_F
ClientSampled :
RO-282

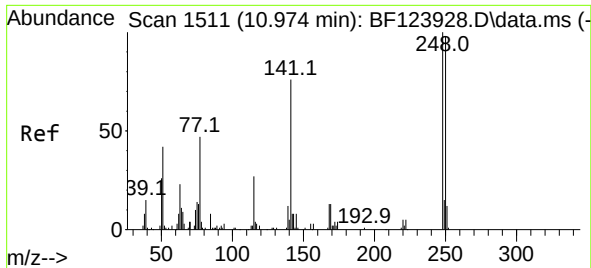
Tgt Ion:188 Resp: 142541
Ion Ratio Lower Upper
188 100
94 11.2 6.9 10.3#
80 11.7 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.56 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.200 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:198 Resp: 128
Ion Ratio Lower Upper
198 100
51 224.6 64.8 104.8#
105 180.9 42.6 82.6#

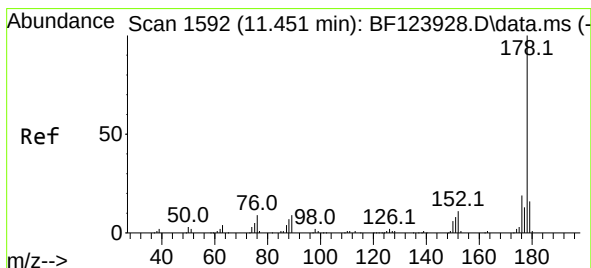
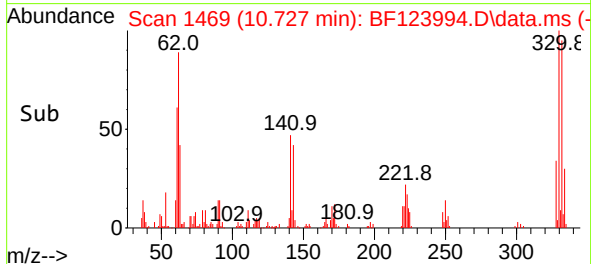
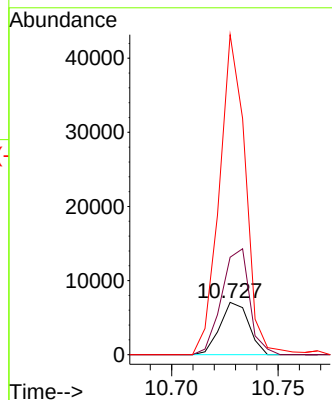
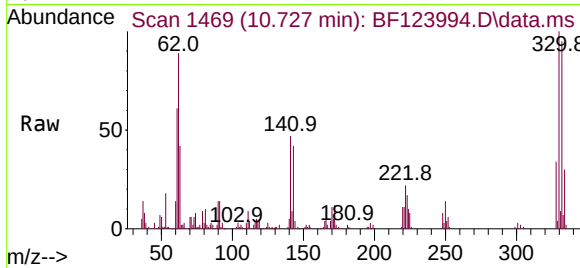




#67
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

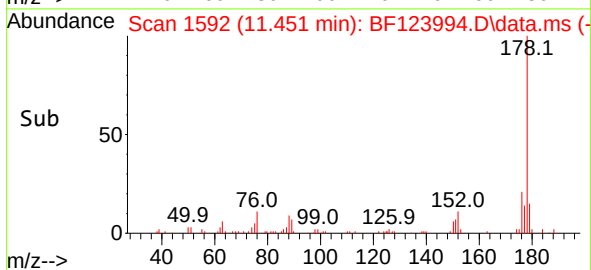
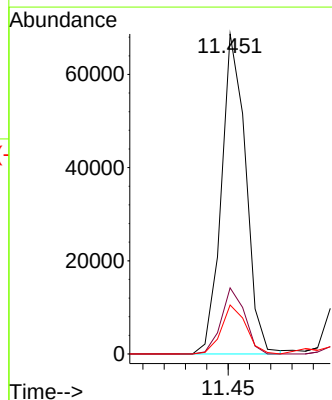
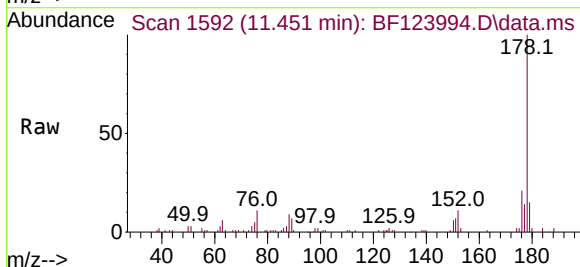
Instrument :
BNA_F
ClientSampled :
RO-282

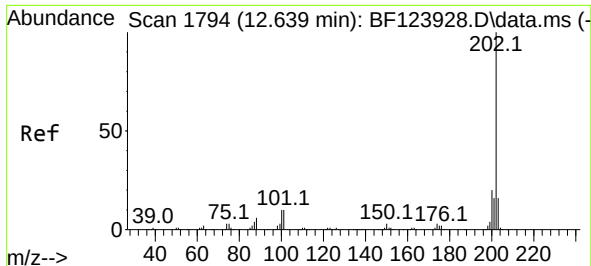
Tgt Ion:248 Resp: 6641
Ion Ratio Lower Upper
248 100
250 186.4 77.4 116.2#
141 612.3 63.7 95.5#



#71
Phenanthrene
Concen: 6.04 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:178 Resp: 54580
Ion Ratio Lower Upper
178 100
176 20.7 15.6 23.4
179 15.3 12.5 18.7

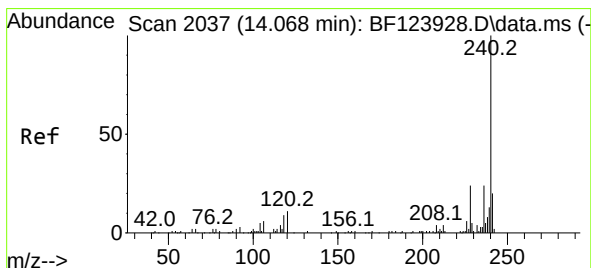
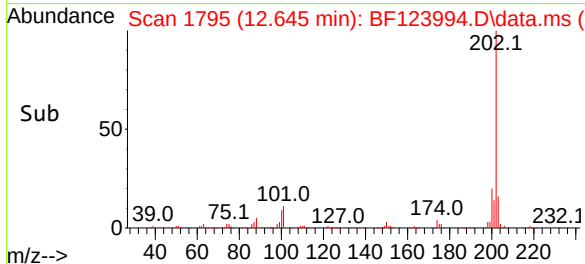
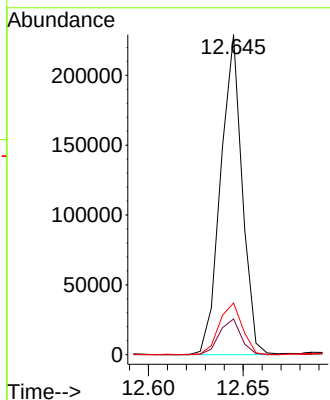
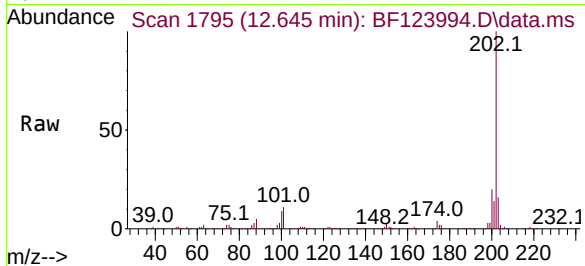




#75
Fluoranthene
Concen: 19.37 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

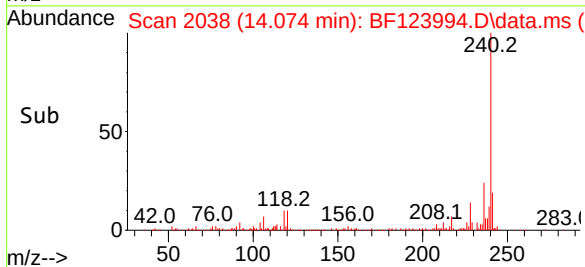
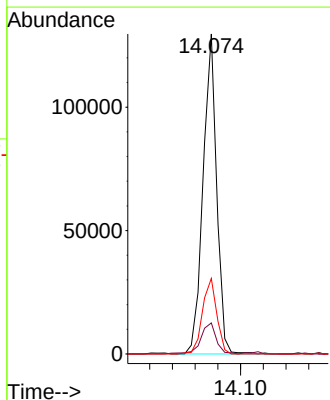
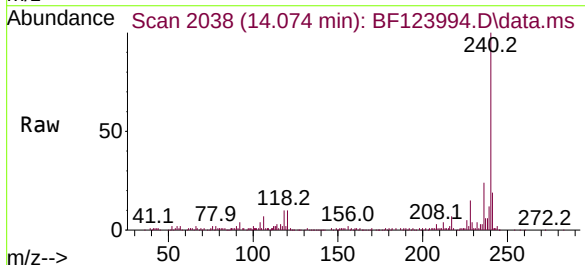
Instrument :
BNA_F
ClientSampled :
RO-282

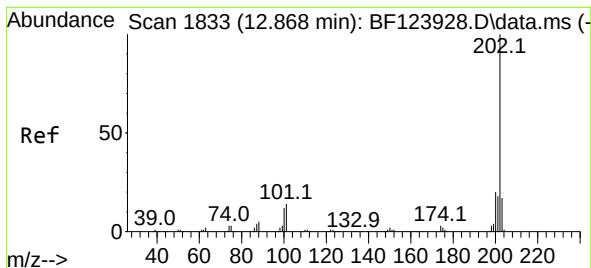
Tgt Ion:202	Resp: 181163
Ion Ratio	Lower Upper
202 100	
101 11.2	0.0 30.9
203 16.2	0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:240	Resp: 107843
Ion Ratio	Lower Upper
240 100	
120 9.7	7.2 10.8
236 23.6	19.0 28.4





#78

Pyrene

Concen: 17.68 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.006 min

Lab File: BF123994.D

Acq: 19 May 2021 17:15

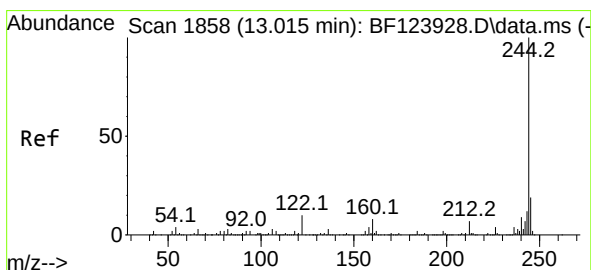
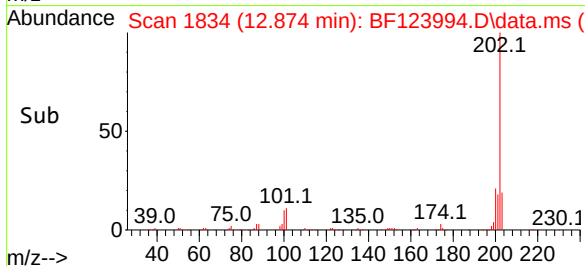
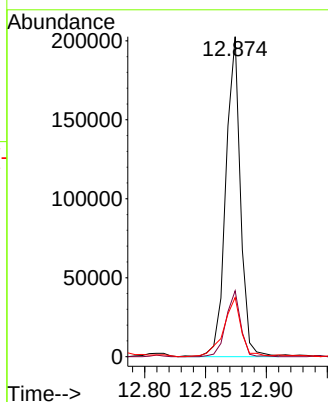
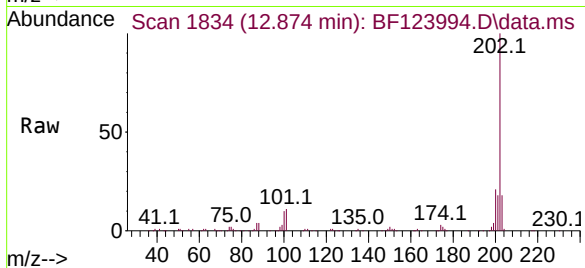
Tgt Ion:202 Resp: 169297

Ion Ratio Lower Upper

202 100

200 20.6 16.1 24.1

203 18.5 14.8 22.2



#79

Terphenyl-d14

Concen: 55.60 ng

RT: 13.015 min Scan# 1858

Delta R.T. 0.000 min

Lab File: BF123994.D

Acq: 19 May 2021 17:15

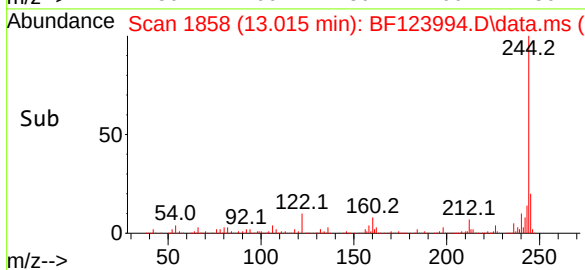
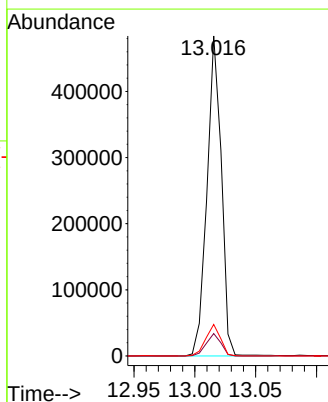
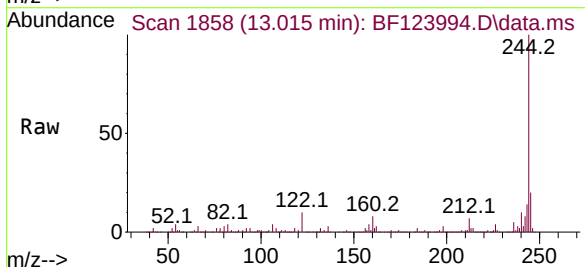
Tgt Ion:244 Resp: 395871

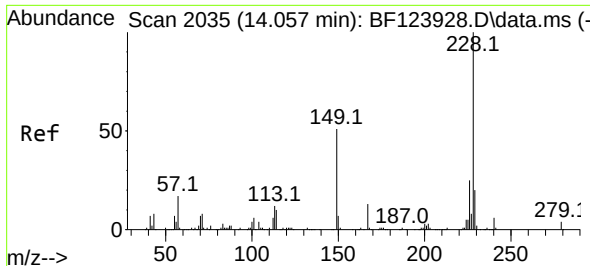
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 9.9 9.7 14.5

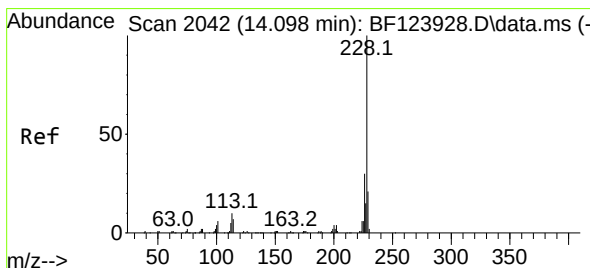
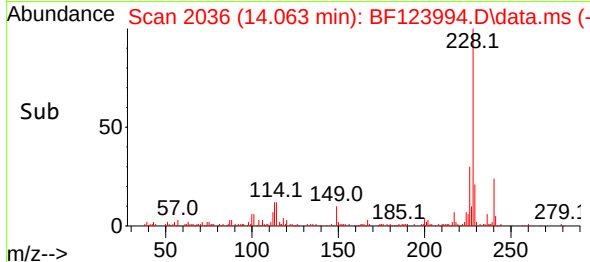
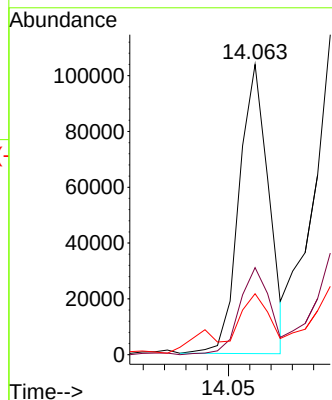
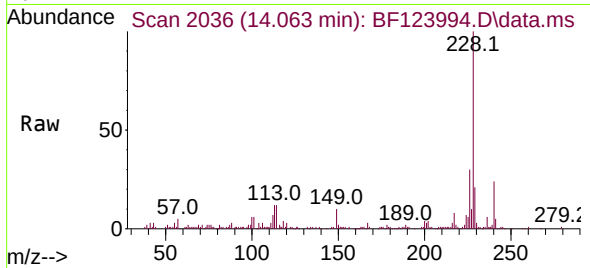




#81
Benzo(a)anthracene
Concen: 12.82 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

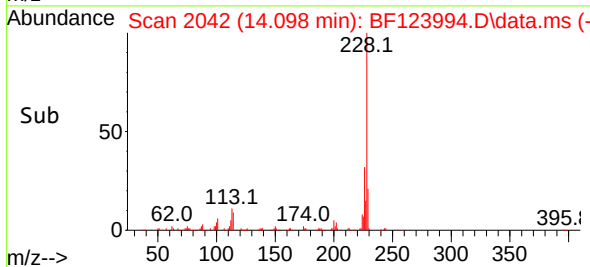
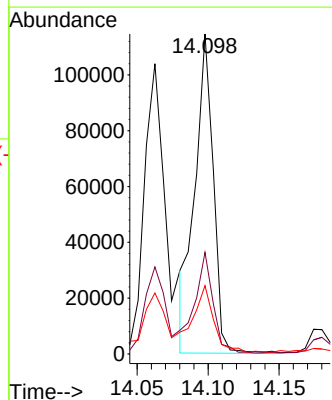
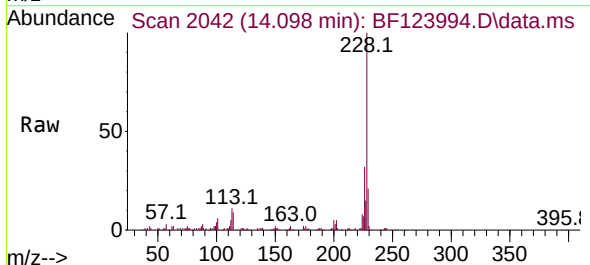
Instrument :
BNA_F
ClientSampled :
RO-282

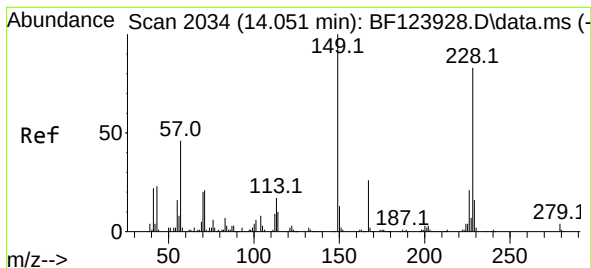
Tgt Ion:228 Resp: 100016
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 21.0 16.0 24.0



#83
Chrysene
Concen: 13.78 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:228 Resp: 103348
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 21.3 16.2 24.2

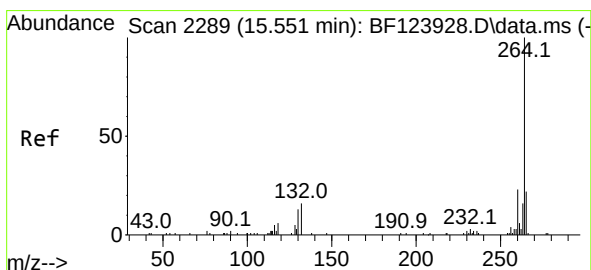
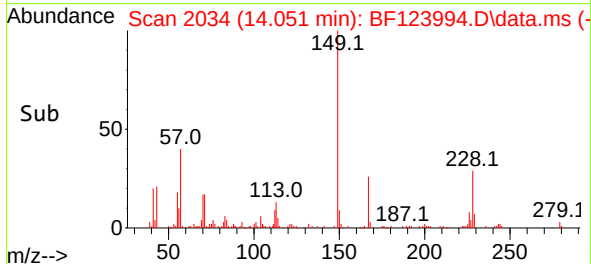
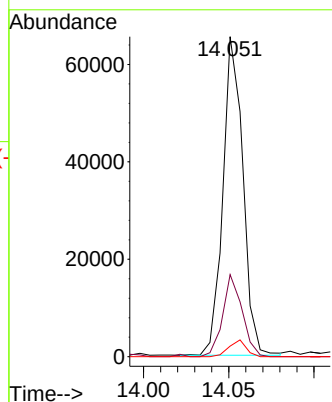
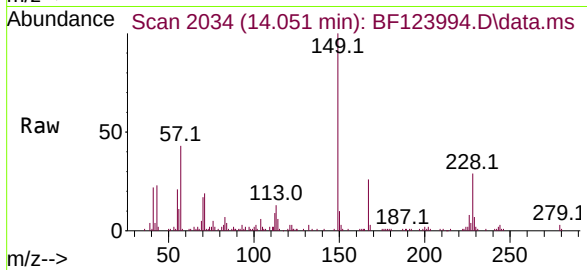




#84
Bis(2-ethylhexyl)phthalate
Concen: 10.07 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

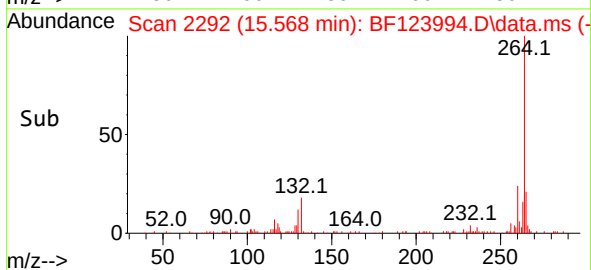
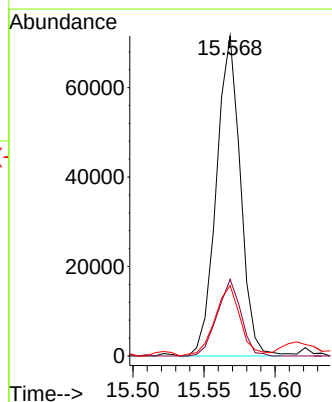
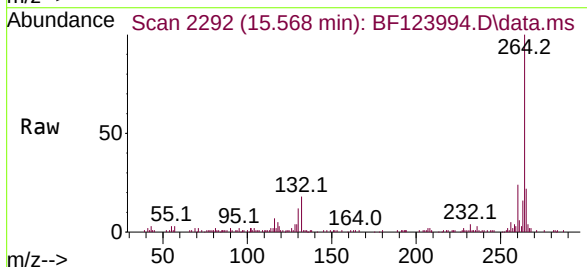
Instrument :
BNA_F
ClientSampled :
RO-282

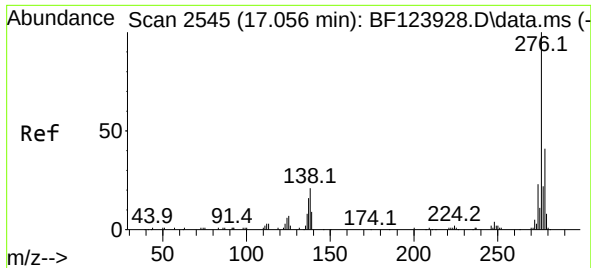
Tgt Ion:149 Resp: 53368
Ion Ratio Lower Upper
149 100
167 25.7 21.8 32.6
279 3.3 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:264 Resp: 84112
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.0 17.8 26.8

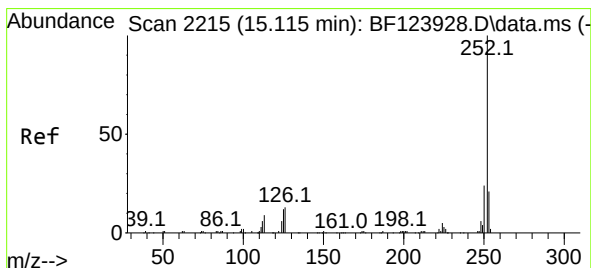
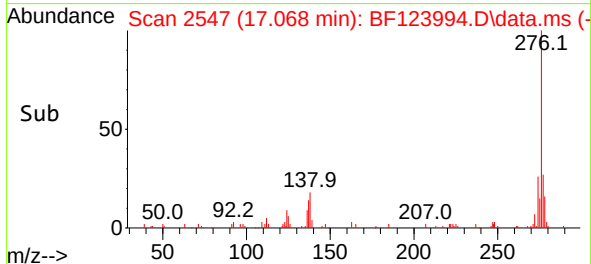
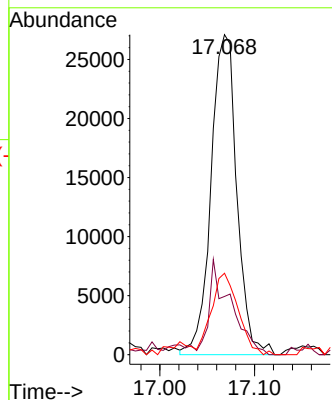
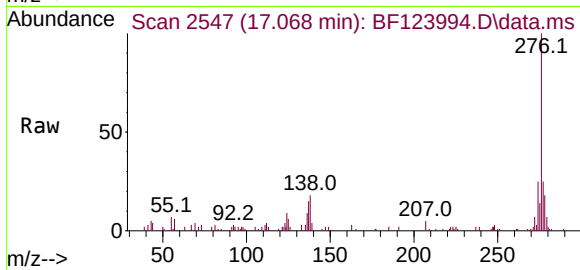




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.90 ng
 RT: 17.068 min Scan# 2547
 Delta R.T. 0.012 min
 Lab File: BF123994.D
 Acq: 19 May 2021 17:15

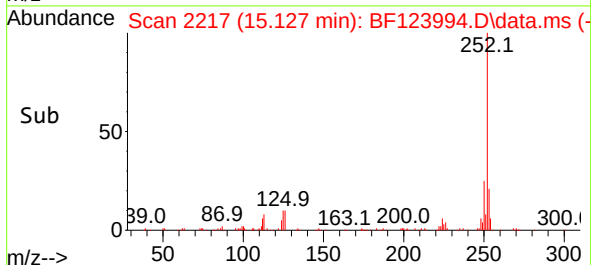
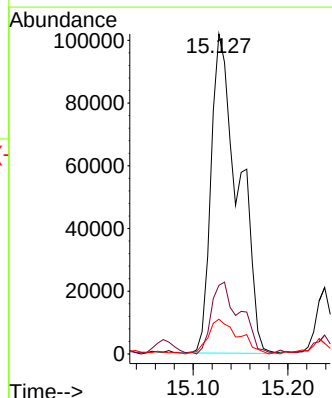
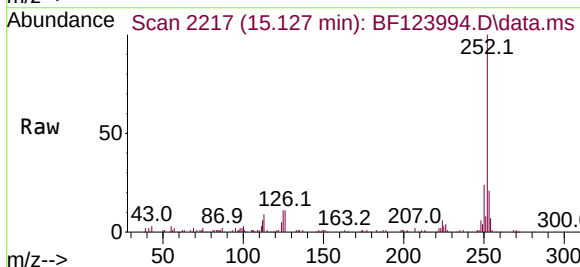
Instrument :
 BNA_F
 ClientSampleID :
 RO-282

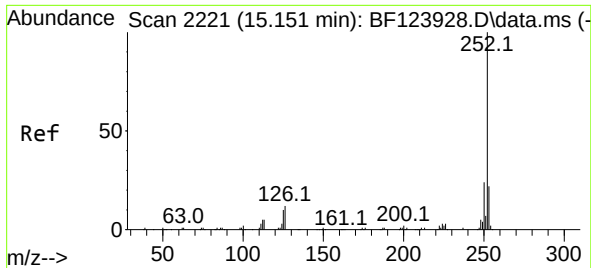
Tgt Ion:276 Resp: 51332
 Ion Ratio Lower Upper
 276 100
 138 24.8 16.2 24.2#
 277 26.4 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 31.46 ng
 RT: 15.127 min Scan# 2217
 Delta R.T. 0.012 min
 Lab File: BF123994.D
 Acq: 19 May 2021 17:15

Tgt Ion:252 Resp: 204718
 Ion Ratio Lower Upper
 252 100
 253 21.5 18.1 27.1
 125 10.9 6.2 9.4#

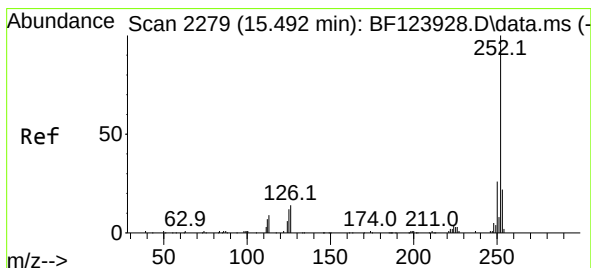
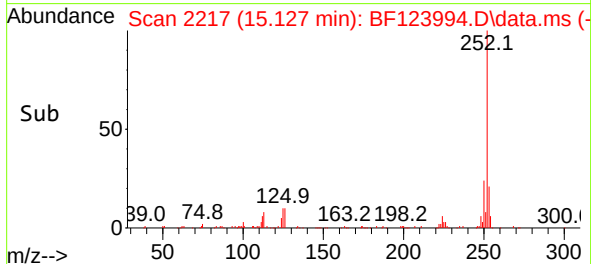
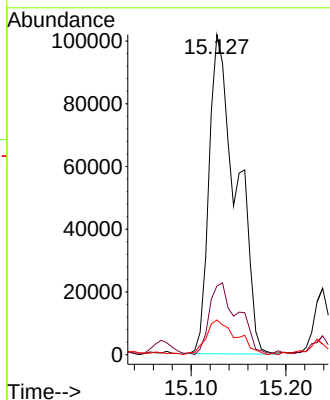
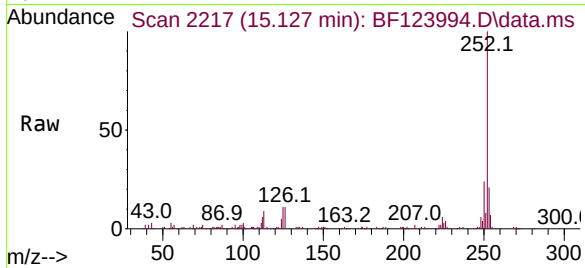




#89
Benzo(k)fluoranthene
Concen: 34.52 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.024 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

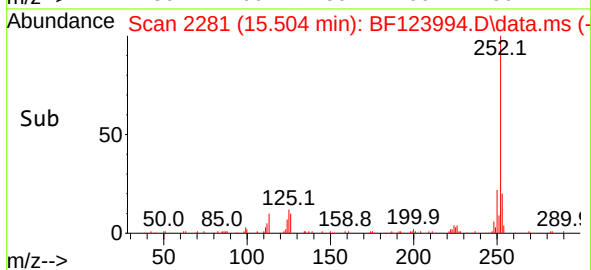
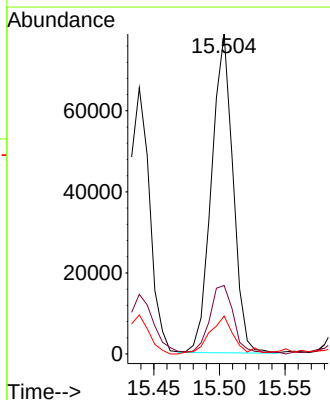
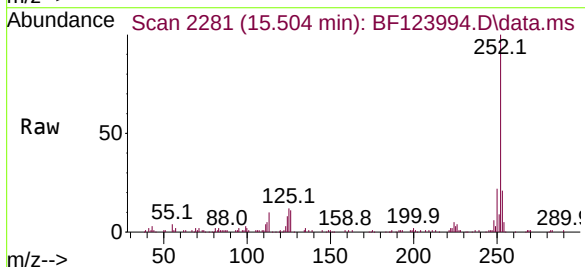
Instrument :
BNA_F
ClientSampled :
RO-282

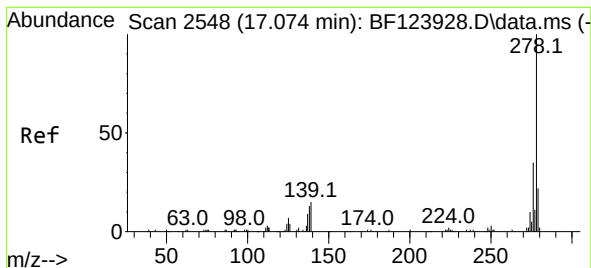
Tgt Ion:252 Resp: 204718
Ion Ratio Lower Upper
252 100
253 21.5 17.9 26.9
125 10.9 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 15.94 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:252 Resp: 89632
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 11.9 8.0 12.0

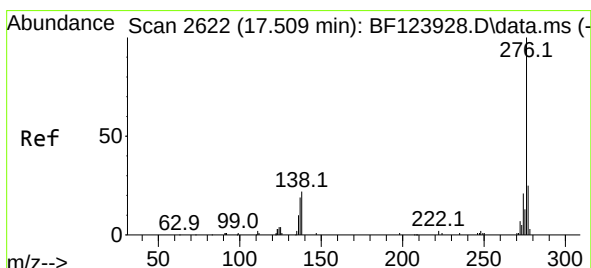
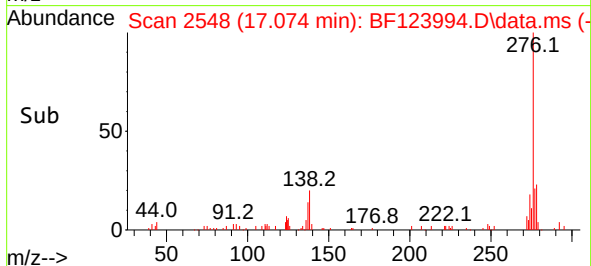
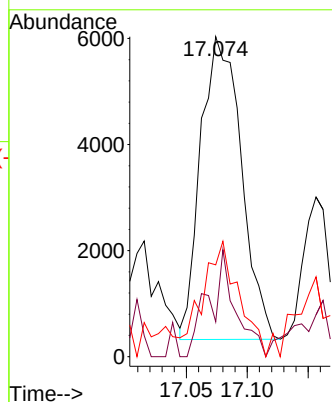
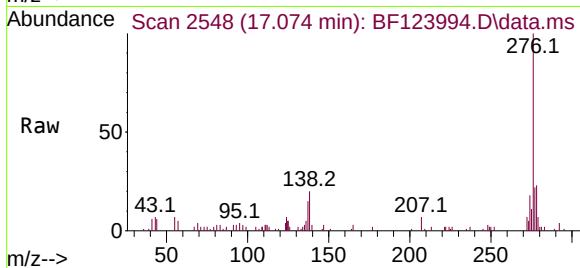




#91
Dibenzo(a,h)anthracene
Concen: 2.42 ng
RT: 17.074 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Instrument :
BNA_F
ClientSampled :
RO-282

Tgt Ion:	278	Resp:	13225
Ion Ratio	Lower	Upper	
278	100		
139	10.9	10.2	15.2
279	28.7	19.4	29.0



#92
Benzo(g,h,i)perylene
Concen: 8.69 ng
RT: 17.527 min Scan# 2625
Delta R.T. 0.018 min
Lab File: BF123994.D
Acq: 19 May 2021 17:15

Tgt Ion:	276	Resp:	47695
Ion Ratio	Lower	Upper	
276	100		
277	21.2	18.2	27.2
138	20.0	13.8	20.6

