

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010821\
 Data File : BF122953.D
 Acq On : 8 Jan 2021 21:36
 Operator : JU/CG
 Sample : M1044-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Quant Time: Jan 08 23:38:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 08 16:17:19 2021
 Response via : Initial Calibration

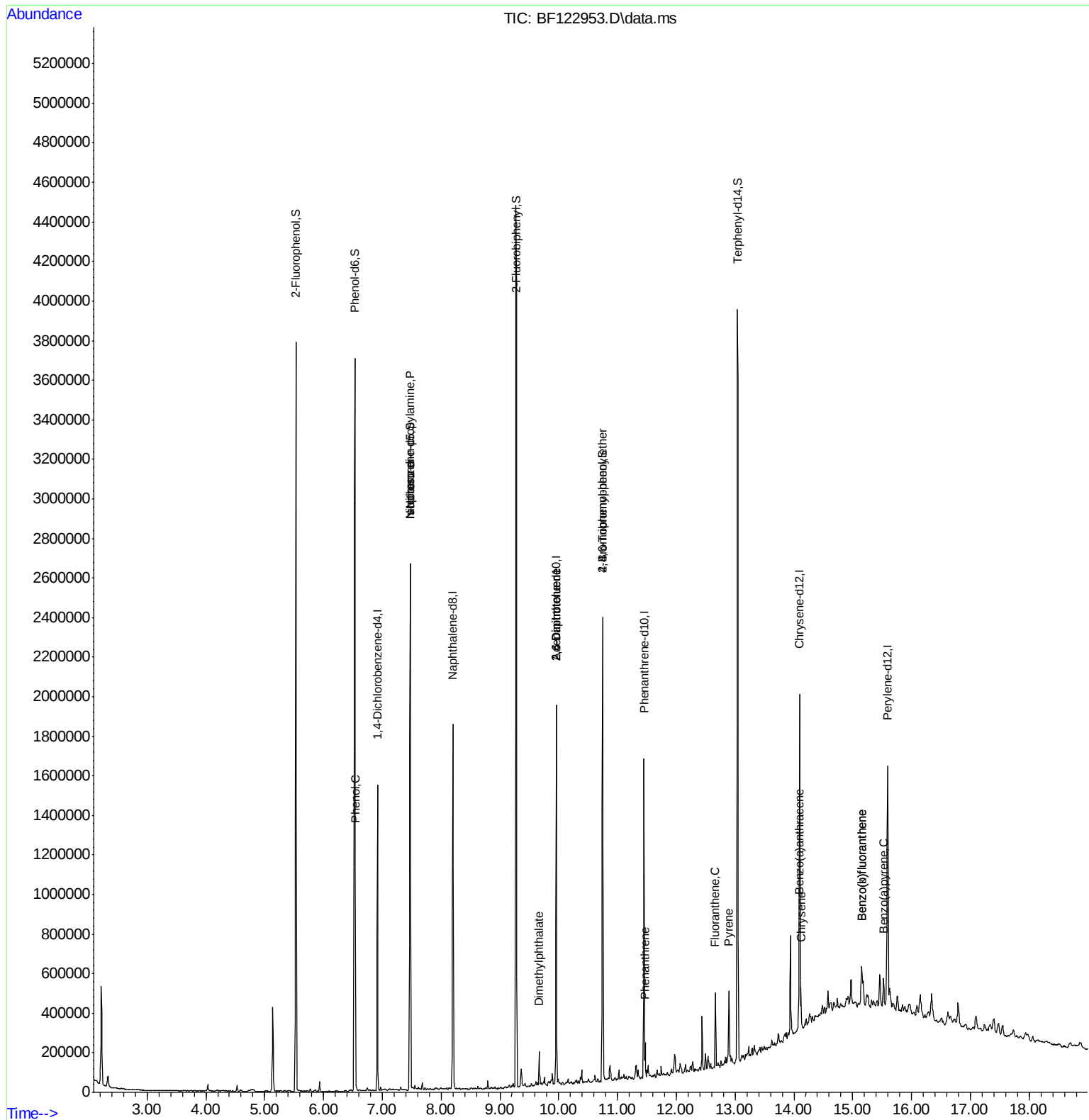
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	202243	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	743877	20.00	ng	0.00
39) Acenaphthene-d10	9.957	164	363693	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	595785	20.00	ng	0.00
76) Chrysene-d12	14.098	240	533347	20.00	ng	0.00
86) Perylene-d12	15.592	264	553682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1042826	77.41	ng	0.00
7) Phenol-d6	6.534	99	1355396	74.14	ng	0.00
23) Nitrobenzene-d5	7.475	82	795124	52.85	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	257556	62.70	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	1390075	54.18	ng	0.00
79) Terphenyl-d14	13.039	244	1193042	41.44	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.463	77	923	Below Cal	#	79
10) Phenol	6.540	94	36468	2.02	ng	80
19) n-Nitroso-di-n-propyla...	7.475	70	105110	9.42	ng	# 77
25) Isophorone	7.475	82	795105	29.47	ng	# 65
50) Dimethylphthalate	9.669	163	56646	2.09	ng	98
51) 2,6-Dinitrotoluene	9.957	165	48136	8.32	ng	# 31
57) 2,4-Dinitrotoluene	9.957	165	48136	6.51	ng	# 25
67) 4-Bromophenyl-phenylether	10.745	248	17084	2.37	ng	# 1
71) Phenanthrene	11.475	178	67611	2.00	ng	99
75) Fluoranthene	12.663	202	149132	4.15	ng	99
78) Pyrene	12.892	202	151433	3.65	ng	98
81) Benzo(a)anthracene	14.086	228	84628	2.36	ng	100
83) Chrysene	14.121	228	78355	2.27	ng	96
88) Benzo(b)fluoranthene	15.151	252	148474	3.81	ng	# 94
89) Benzo(k)fluoranthene	15.151	252	148474	4.14	ng	# 93
90) Benzo(a)pyrene	15.527	252	77067	2.25	ng	# 93

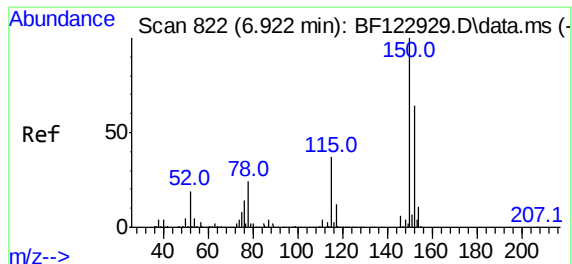
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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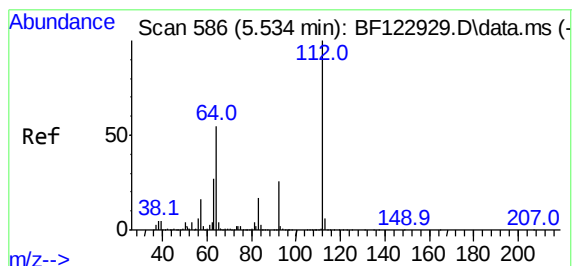
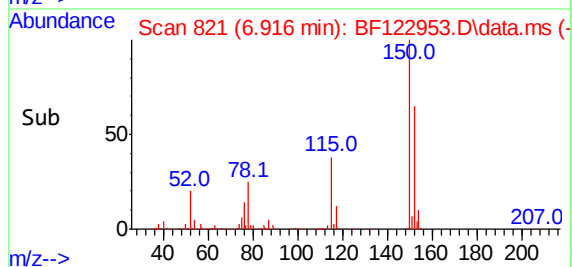
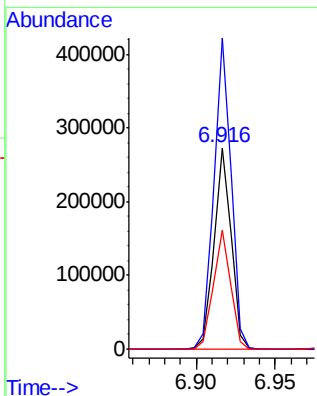
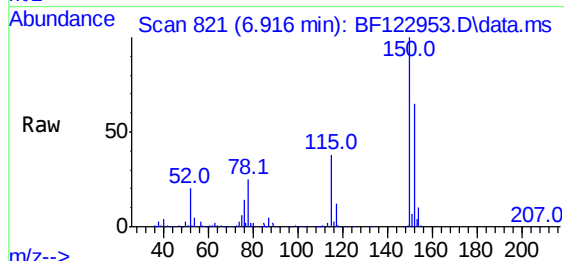




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

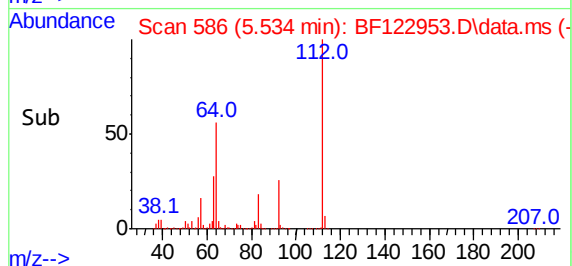
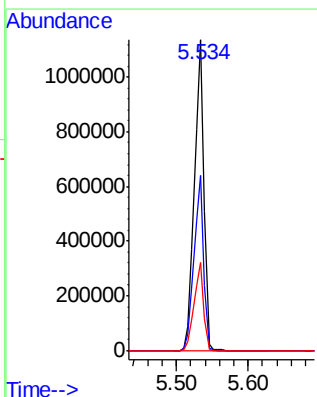
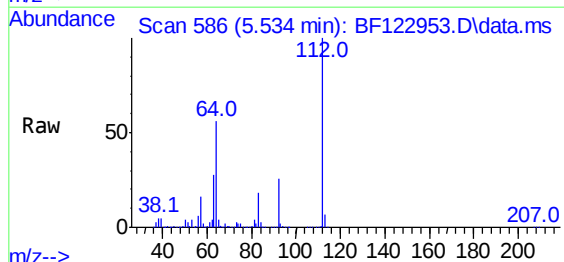
Instrument :
BNA_F
ClientSampleId :
TP-11

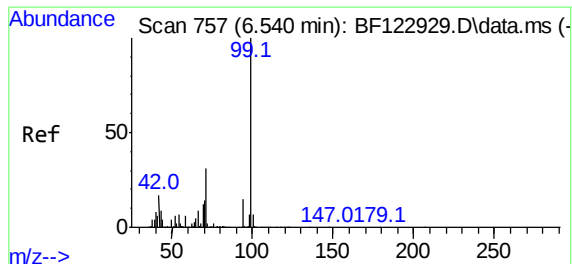
Tgt Ion:152 Resp: 202243
Ion Ratio Lower Upper
152 100
150 154.7 125.8 188.6
115 58.9 49.3 73.9



#5
2-Fluorophenol
Concen: 77.41 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.000 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:112 Resp: 1042826
Ion Ratio Lower Upper
112 100
64 56.2 46.9 70.3
63 28.2 24.5 36.7

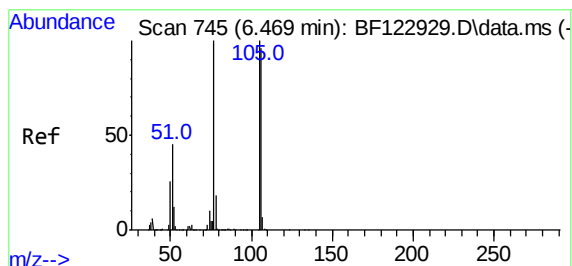
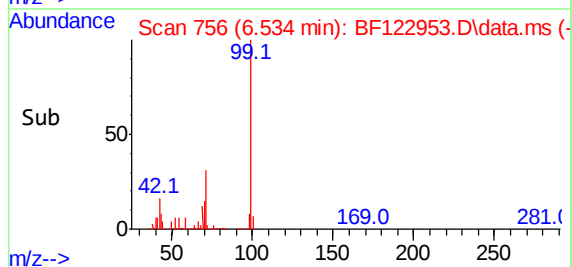
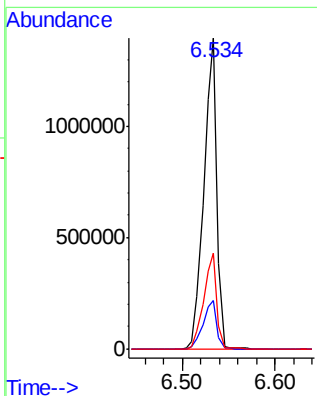
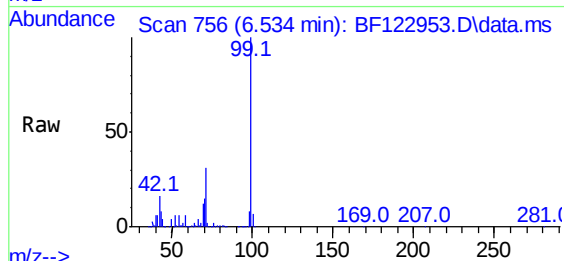




#7
Phenol-d6
Concen: 74.14 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

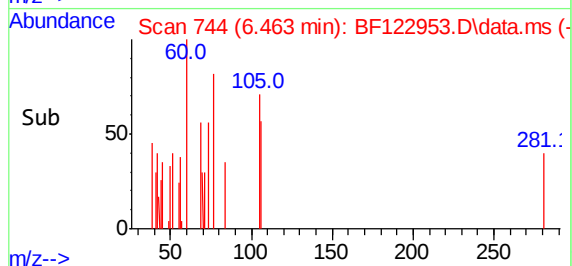
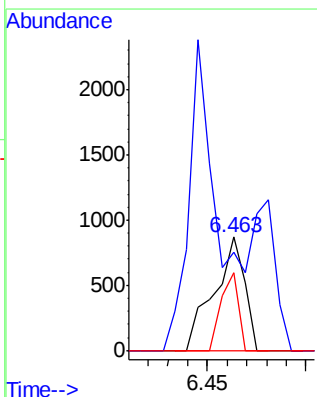
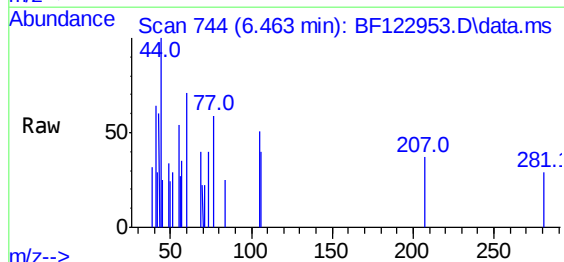
Instrument :
BNA_F
ClientSampleId :
TP-11

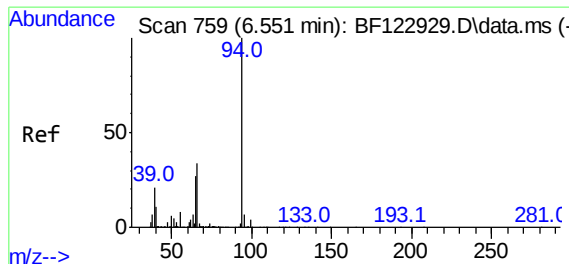
Tgt Ion: 99 Resp: 1355396
Ion Ratio Lower Upper
99 100
42 15.6 13.8 20.6
71 30.7 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion: 77 Resp: 923
Ion Ratio Lower Upper
77 100
105 86.6 80.6 120.6
106 69.1 77.2 117.2#

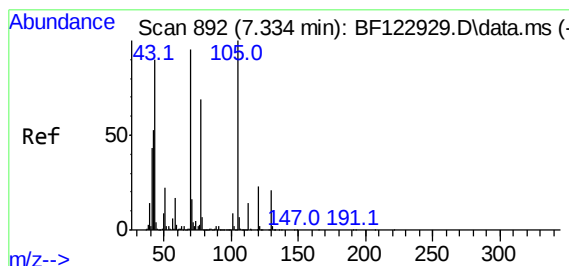
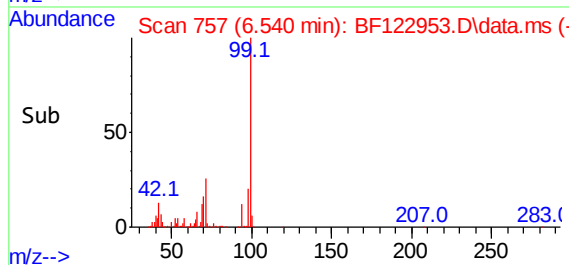
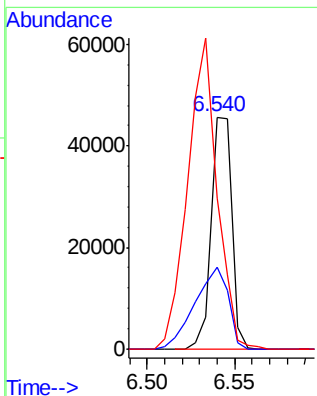
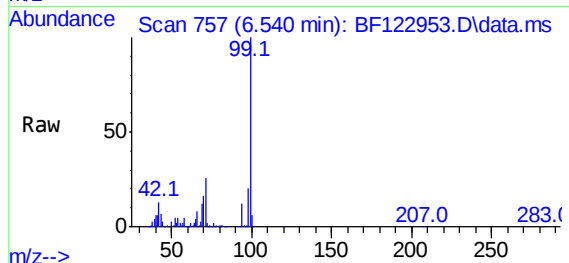




#10
Phenol
Concen: 2.02 ng
RT: 6.540 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

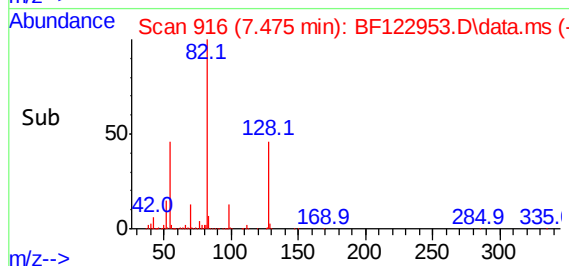
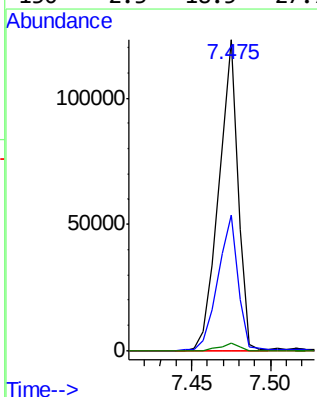
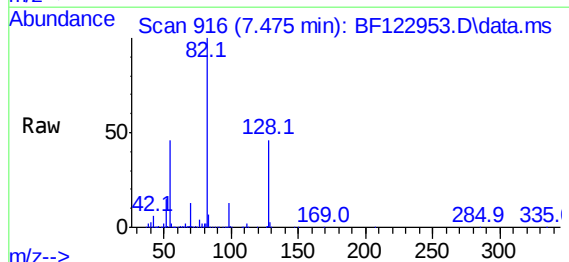
Instrument :
BNA_F
ClientSampleId :
TP-11

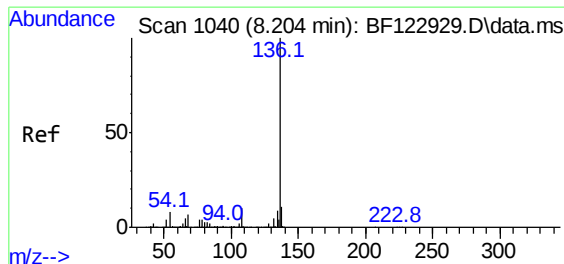
Tgt Ion: 94 Resp: 36468
Ion Ratio Lower Upper
94 100
65 35.1 11.2 51.2
66 65.0 25.8 65.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.42 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion: 70 Resp: 105110
Ion Ratio Lower Upper
70 100
42 43.7 43.0 64.4
101 0.0 7.9 11.9#
130 2.3 18.5 27.7#



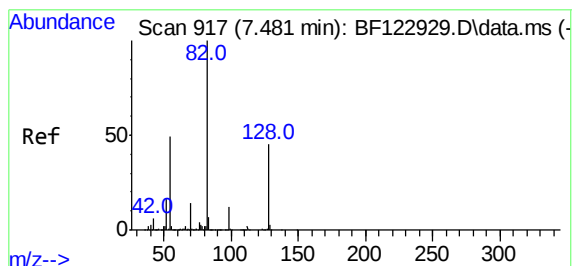
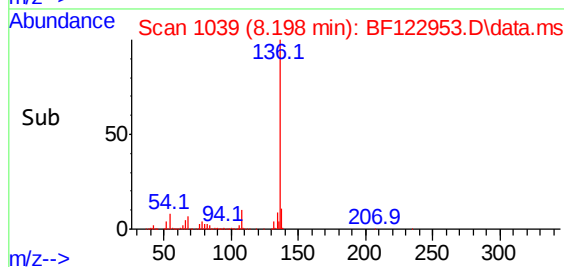
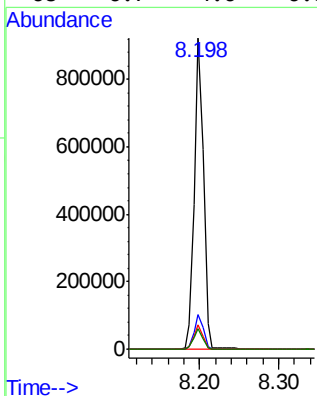
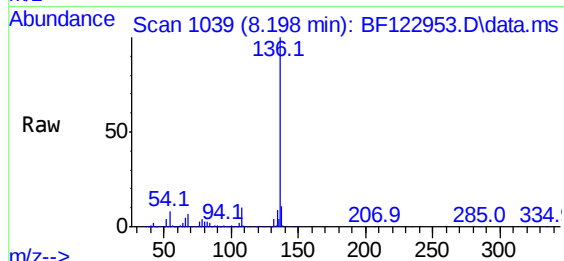


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion:136 Resp: 743877

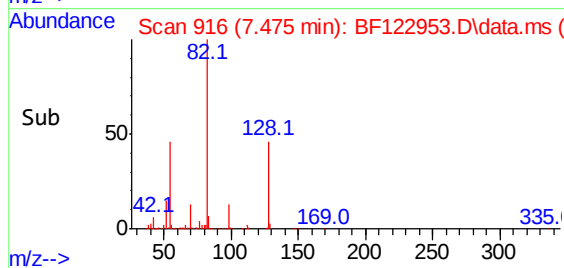
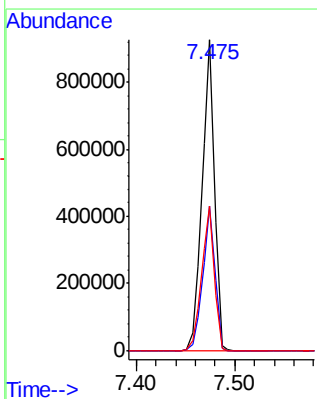
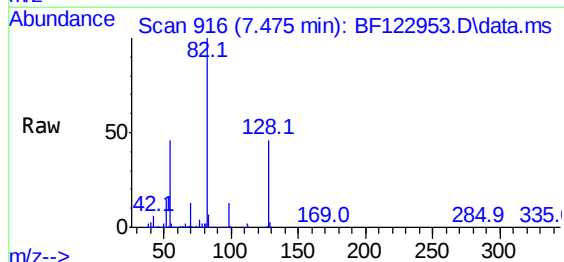
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.8	5.5	8.3
68	6.7	4.6	6.8

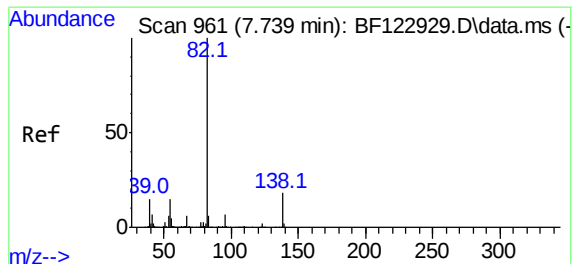


#23
Nitrobenzene-d5
Concen: 52.85 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion: 82 Resp: 795124

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.4
54	46.3	38.4	57.6

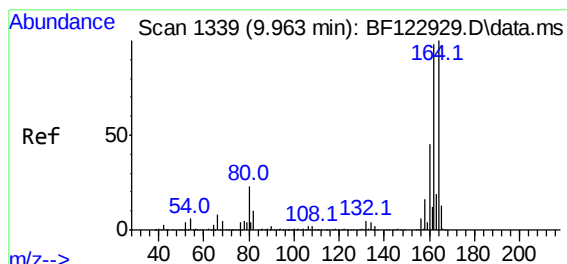
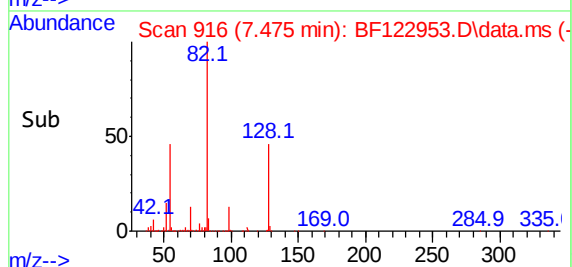
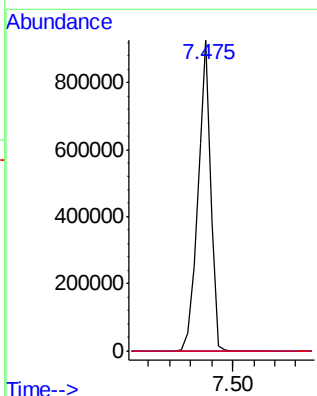
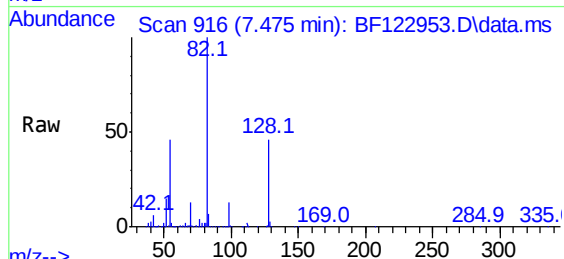




#25
Isophorone
Concen: 29.47 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

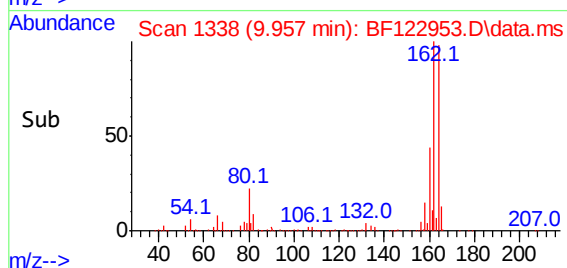
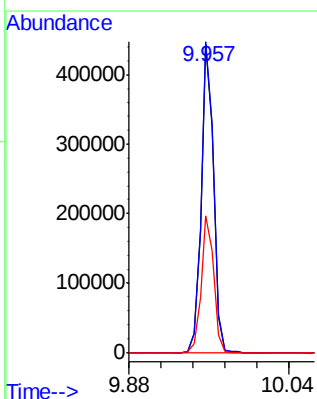
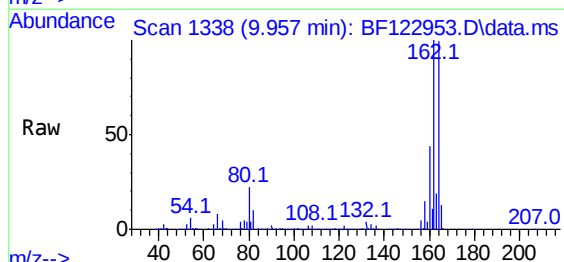
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ClientSampleId :
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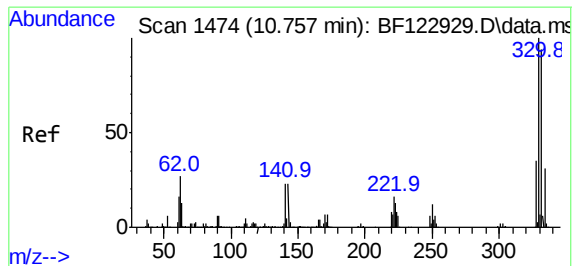
Tgt Ion: 82 Resp: 795105
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion: 164 Resp: 363693
Ion Ratio Lower Upper
164 100
162 101.0 80.8 121.2
160 44.6 35.4 53.0

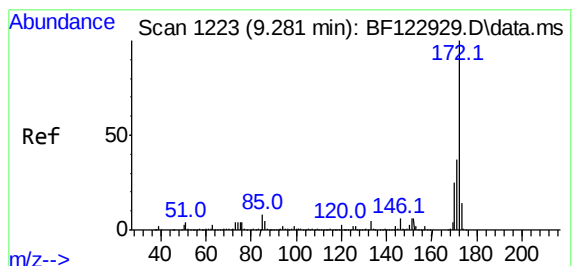
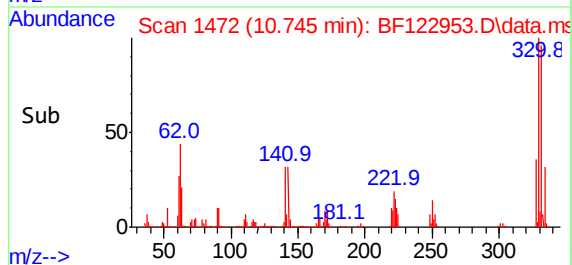
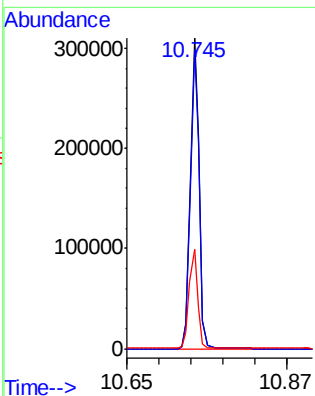
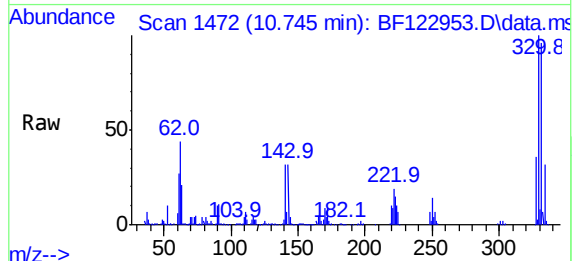




#42
2,4,6-Tribromophenol
Concen: 62.70 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

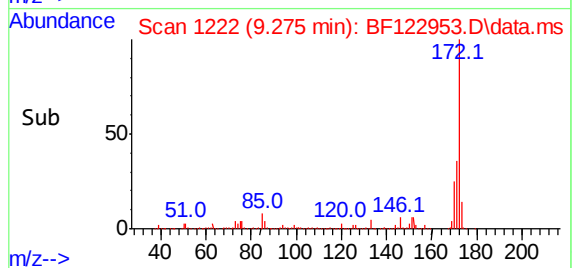
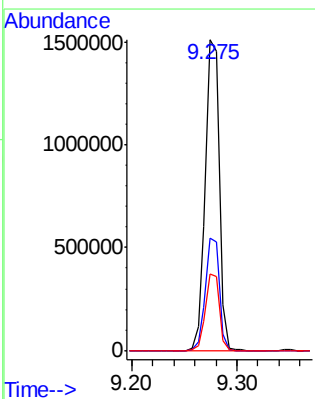
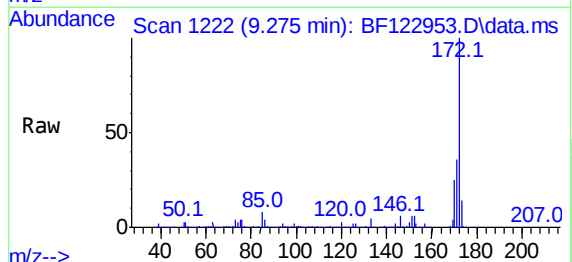
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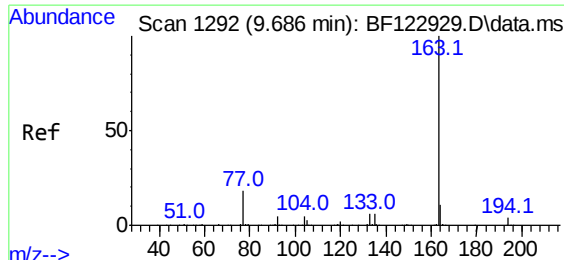
Tgt Ion:330 Resp: 257556
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 31.7 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 54.18 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:172 Resp: 1390075
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.6 19.5 29.3





#50

Dimethylphthalate

Concen: 2.09 ng

RT: 9.669 min Scan# 1289

Delta R.T. -0.018 min

Lab File: BF122953.D

Acq: 8 Jan 2021 21:36

Instrument :

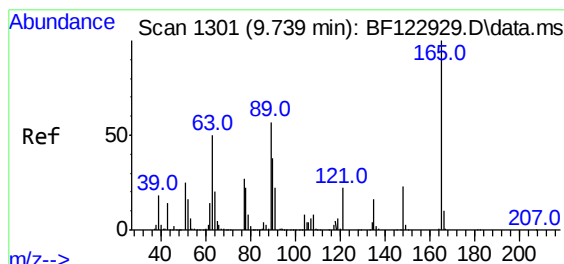
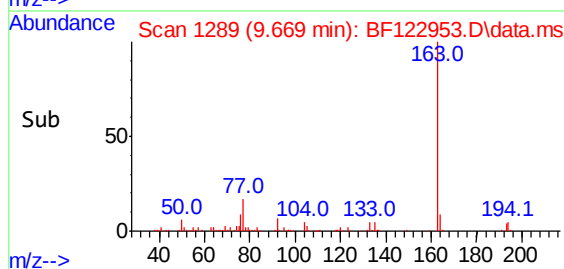
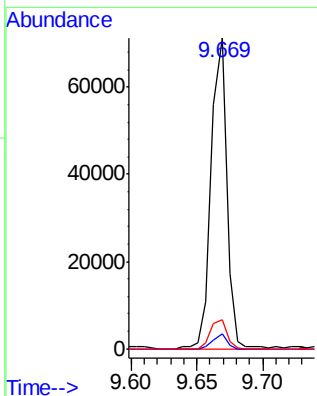
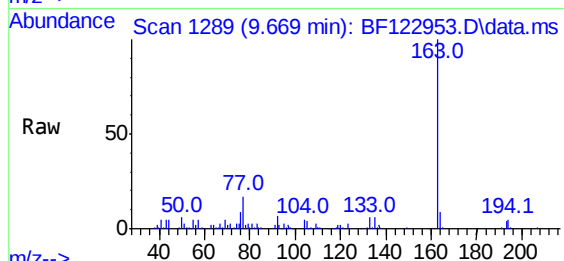
BNA_F

ClientSampleId :

TP-11

Tgt Ion:163 Resp: 56646

Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.0
164	9.3	8.1	12.1



#51

2,6-Dinitrotoluene

Concen: 8.32 ng

RT: 9.957 min Scan# 1338

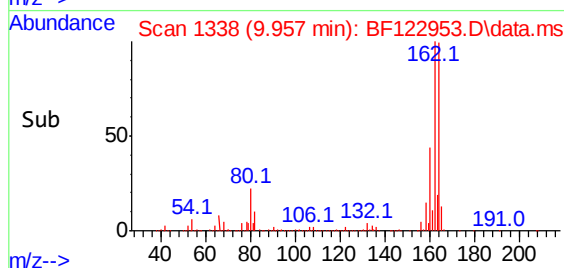
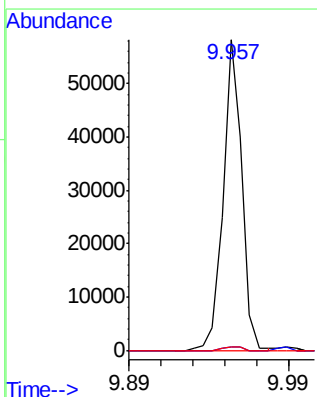
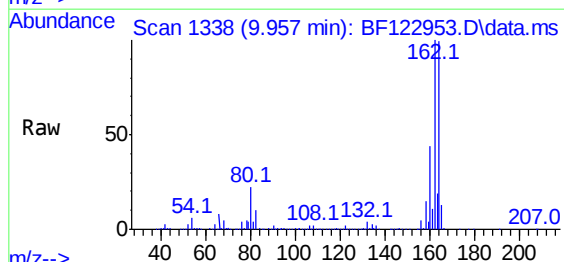
Delta R.T. 0.218 min

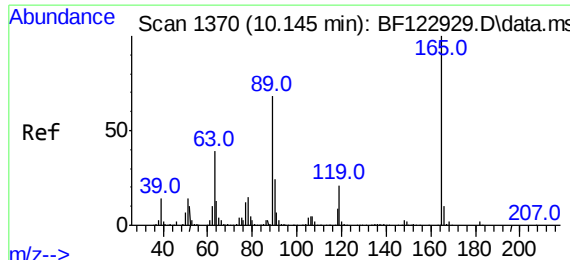
Lab File: BF122953.D

Acq: 8 Jan 2021 21:36

Tgt Ion:165 Resp: 48136

Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.6	55.0#
89	1.2	39.4	59.0#

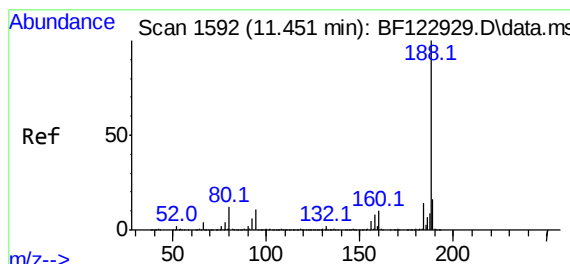
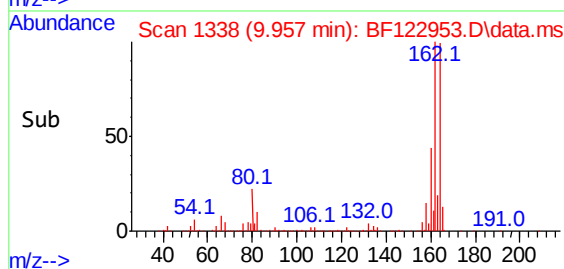
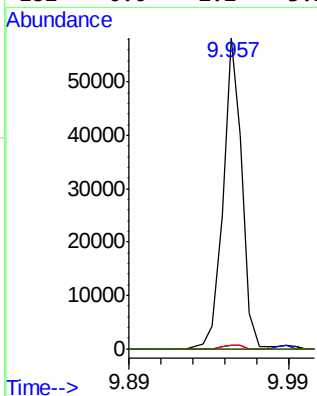
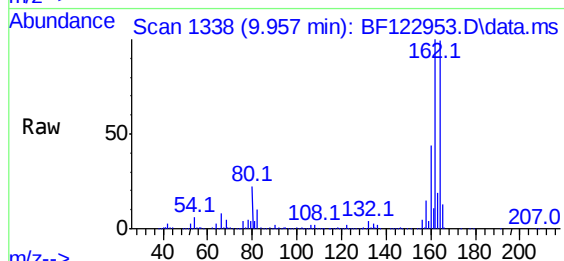




#57
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

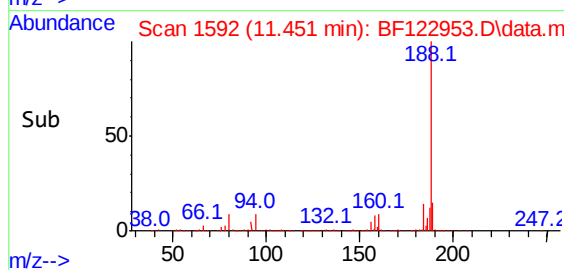
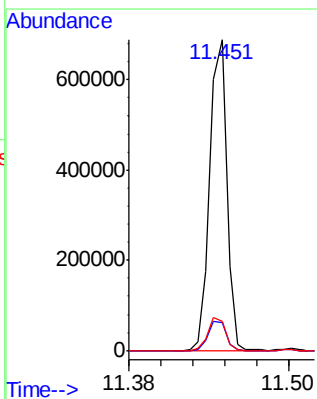
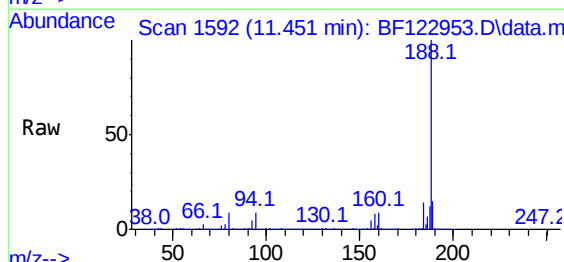
Instrument :
BNA_F
ClientSampleId :
TP-11

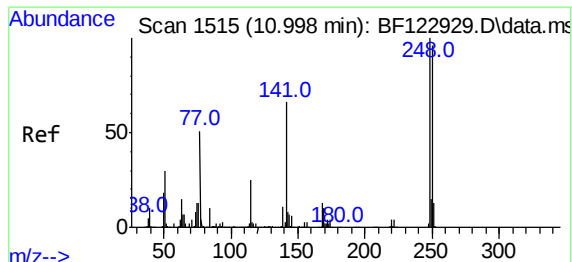
Tgt Ion:165 Resp: 48136
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:188 Resp: 595785
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.3 8.2 12.4

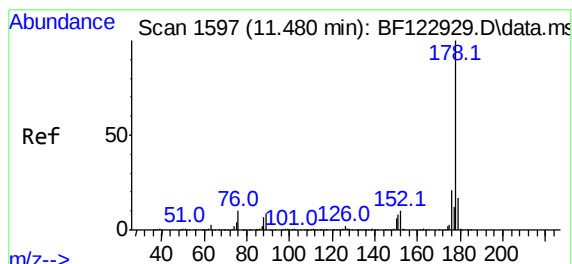
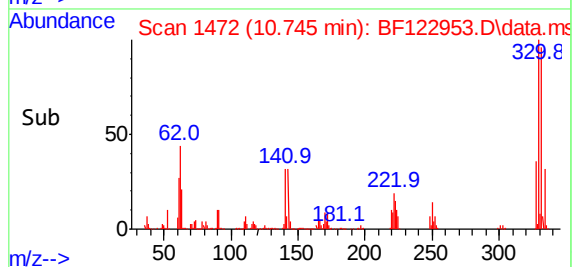
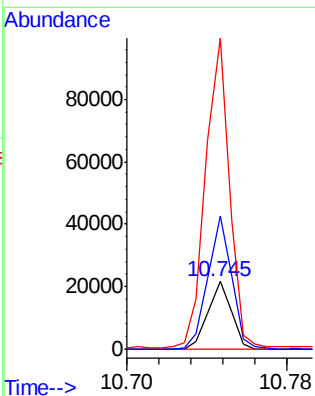
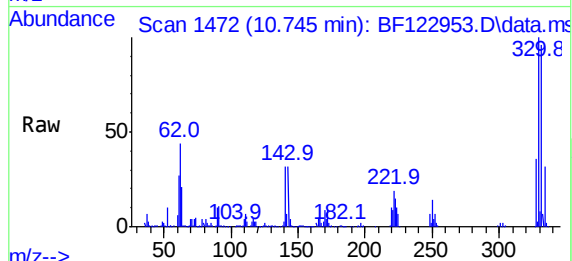




#67
4-Bromophenyl-phenylether
Concen: 2.37 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

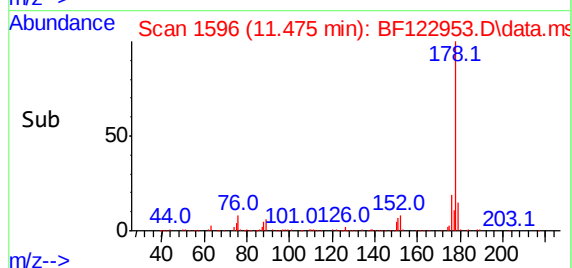
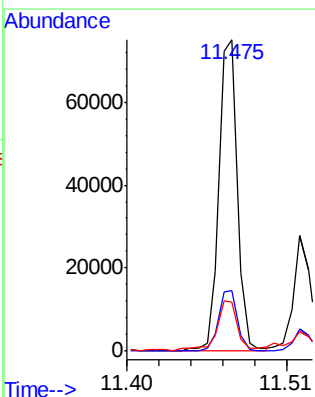
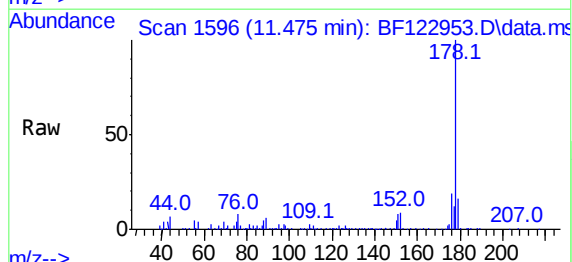
Instrument :
BNA_F
ClientSampleId :
TP-11

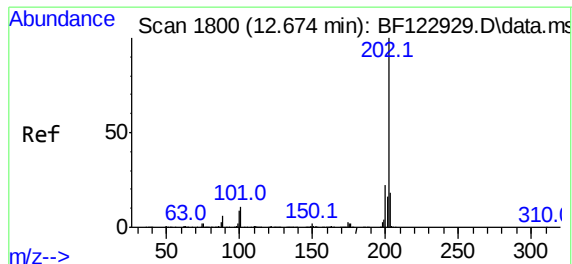
Tgt Ion:248 Resp: 17084
Ion Ratio Lower Upper
248 100
250 197.4 76.8 115.2#
141 462.3 59.8 89.8#



#71
Phenanthrene
Concen: 2.00 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:178 Resp: 67611
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.5 12.7 19.1

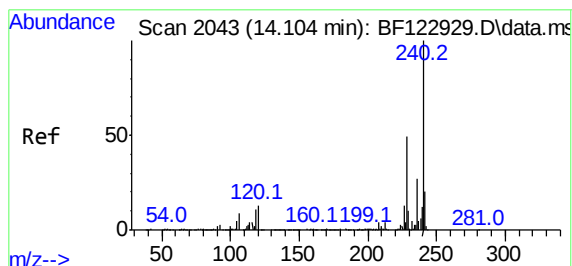
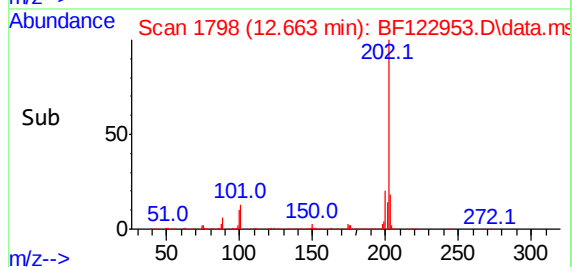
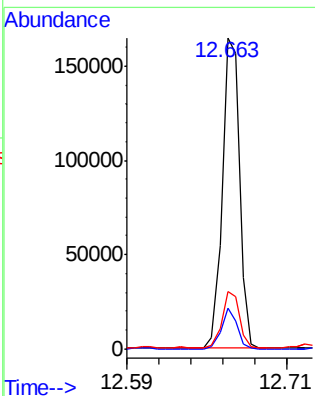
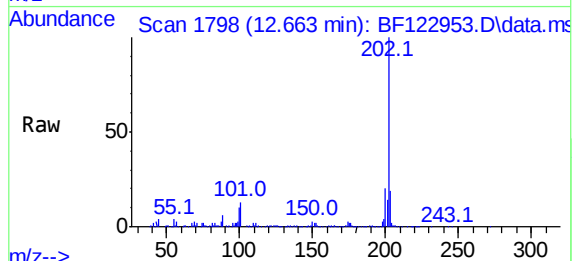




#75
Fluoranthene
Concen: 4.15 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

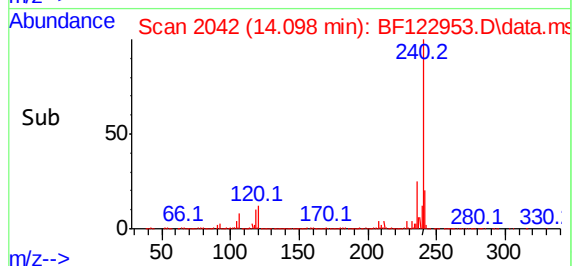
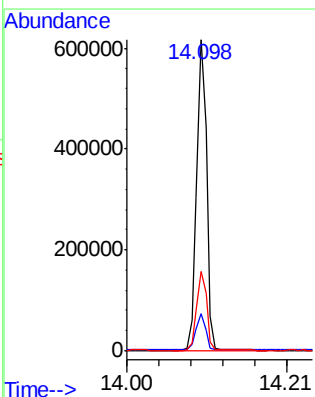
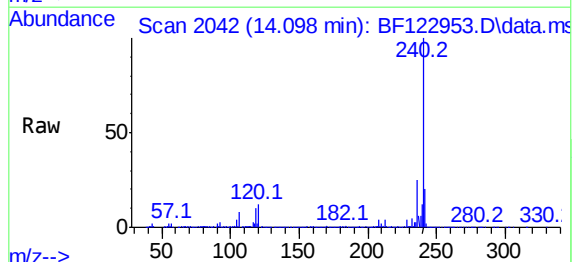
Instrument :
BNA_F
ClientSampleId :
TP-11

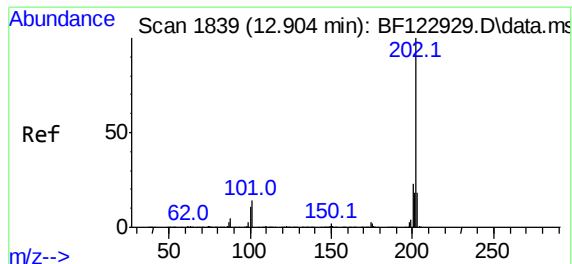
Tgt Ion:202 Resp: 149132
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 18.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:240 Resp: 533347
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 25.5 20.3 30.5

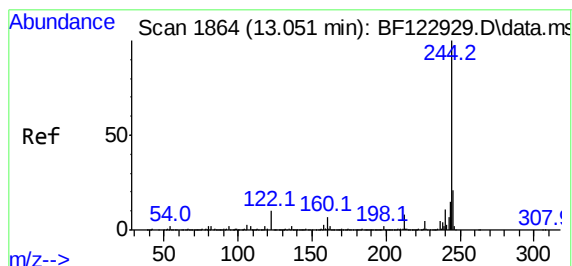
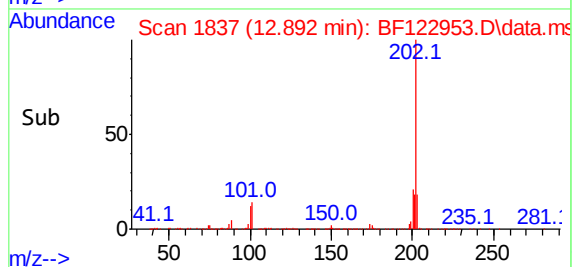
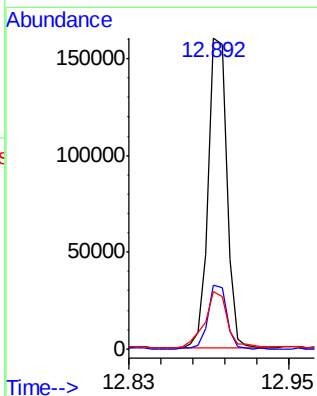
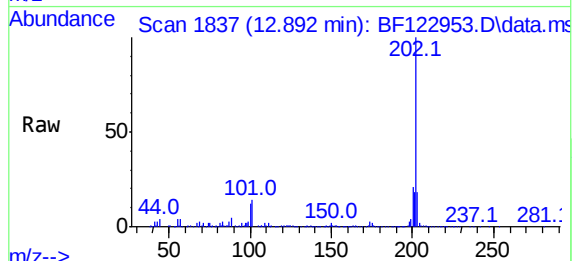




#78
Pyrene
Concen: 3.65 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

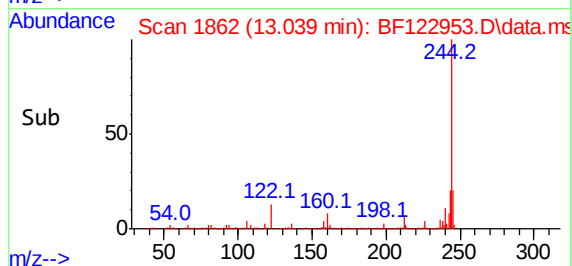
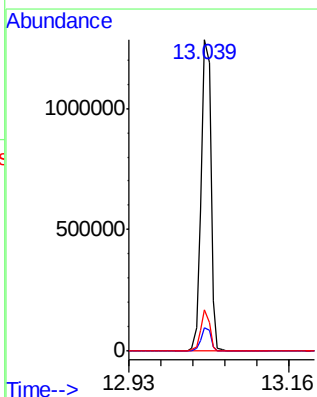
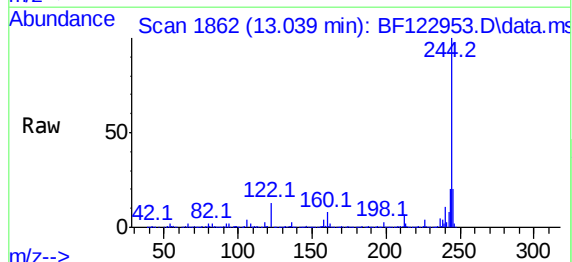
Instrument :
BNA_F
ClientSampleId :
TP-11

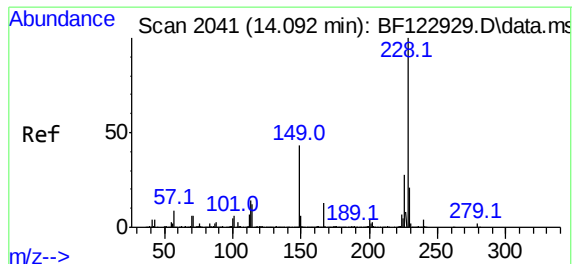
Tgt Ion:202 Resp: 151433
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 18.4 14.6 21.8



#79
Terphenyl-d14
Concen: 41.44 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:244 Resp: 1193042
Ion Ratio Lower Upper
244 100
212 7.5 5.7 8.5
122 12.9 8.3 12.5#

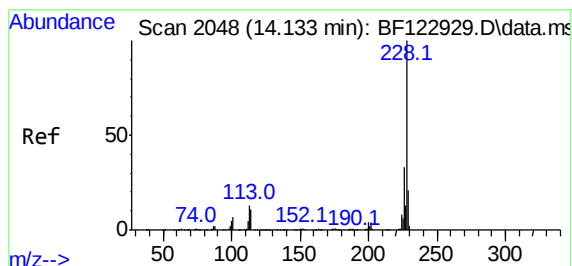
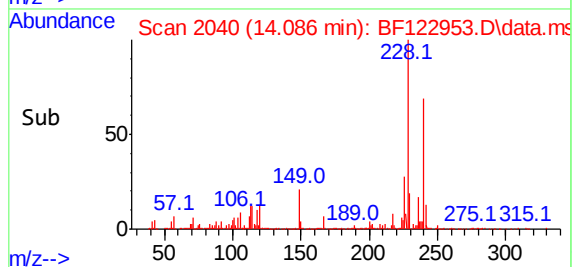
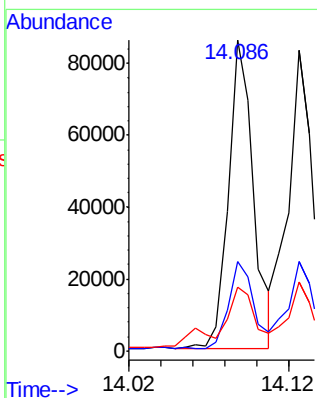
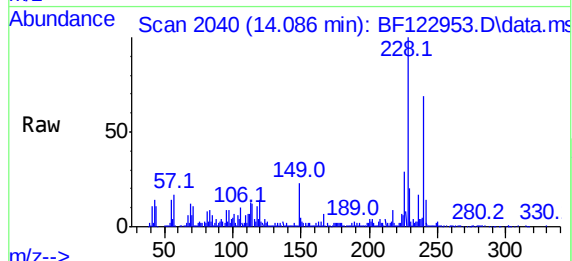




#81
Benzo(a)anthracene
Concen: 2.36 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

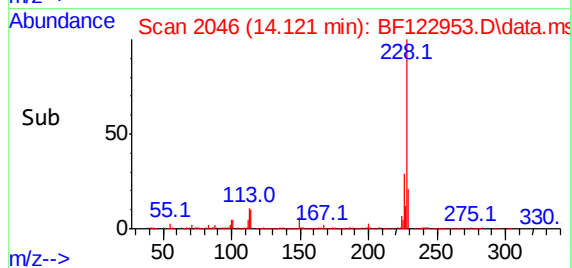
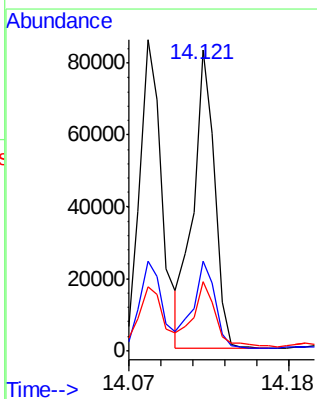
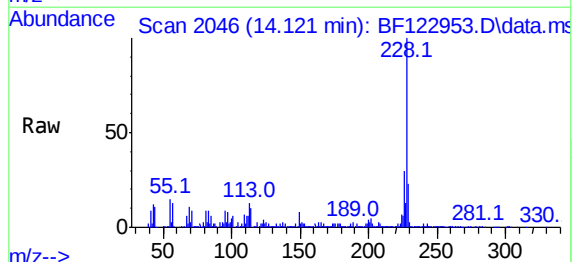
Instrument :
BNA_F
ClientSampleId :
TP-11

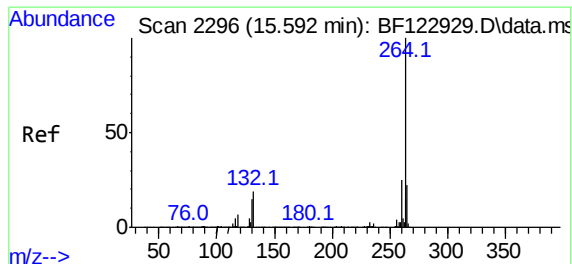
Tgt Ion:228 Resp: 84628
Ion Ratio Lower Upper
228 100
226 28.7 23.0 34.4
229 20.4 16.6 24.8



#83
Chrysene
Concen: 2.27 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:228 Resp: 78355
Ion Ratio Lower Upper
228 100
226 29.9 24.6 36.8
229 23.0 15.8 23.6

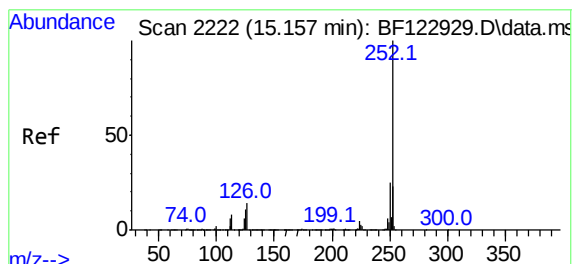
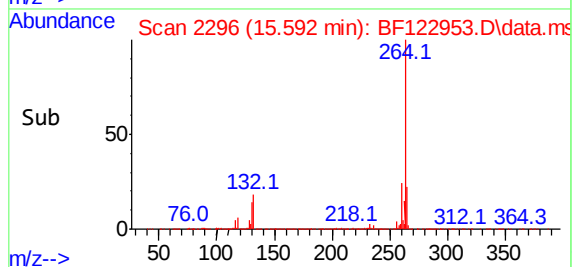
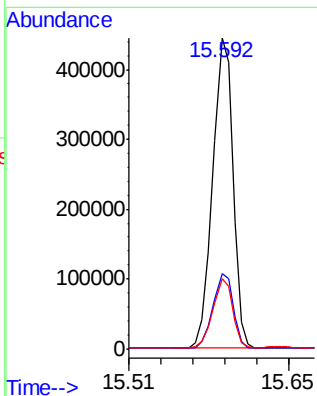
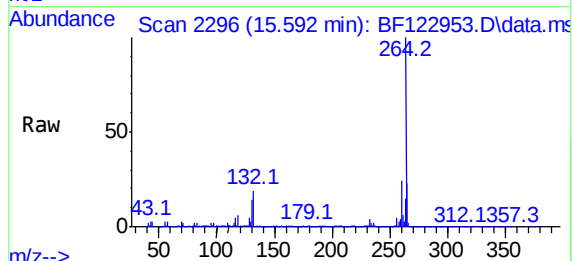




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

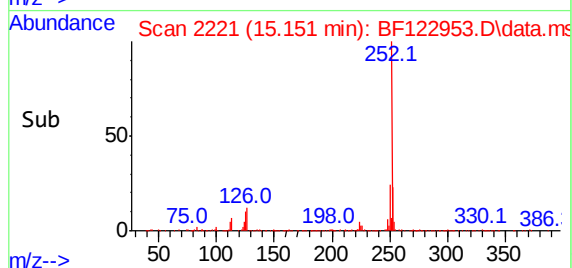
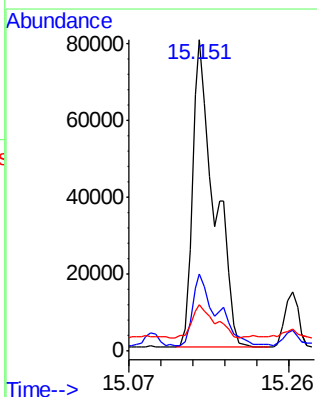
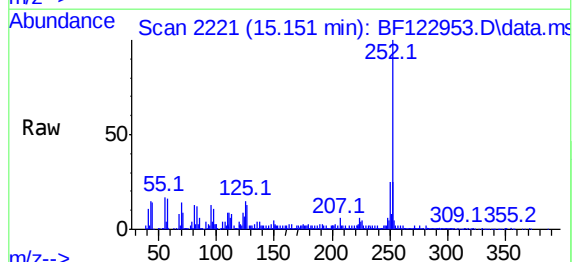
Instrument :
BNA_F
ClientSampleId :
TP-11

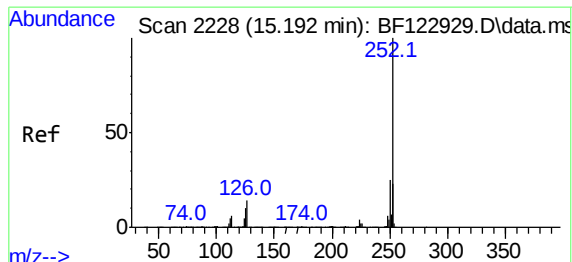
Tgt Ion:264 Resp: 553682
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 22.5 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 3.81 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:252 Resp: 148474
Ion Ratio Lower Upper
252 100
253 24.6 18.3 27.5
125 14.5 8.1 12.1#

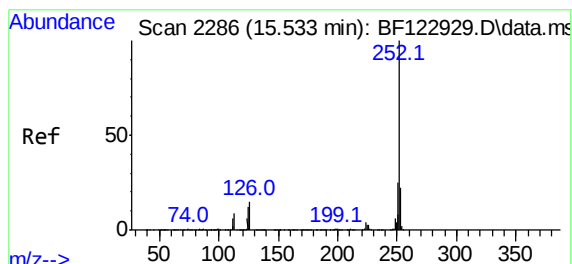
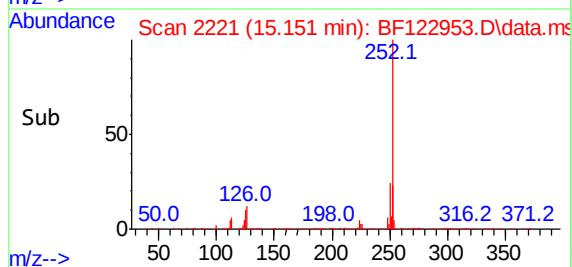
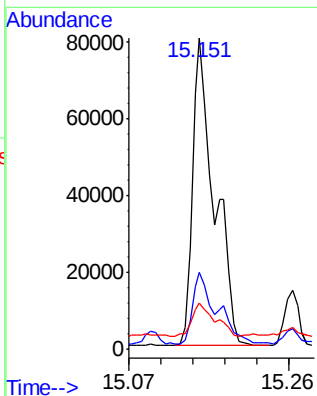
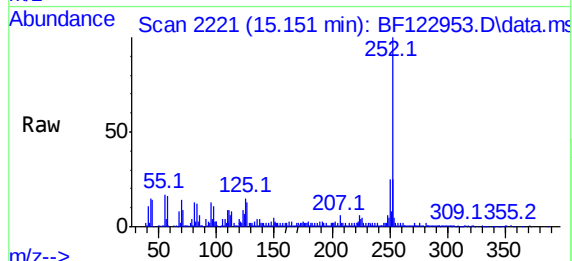




#89
Benzo(k)fluoranthene
Concen: 4.14 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.041 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion:252 Resp: 148474
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 14.5 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.25 ng
RT: 15.527 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF122953.D
Acq: 8 Jan 2021 21:36

Tgt Ion:252 Resp: 77067
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 14.6 8.6 12.8#

