

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010821\
 Data File : BF122950.D
 Acq On : 8 Jan 2021 20:05
 Operator : JU/CG
 Sample : M1044-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Jan 08 23:32:57 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

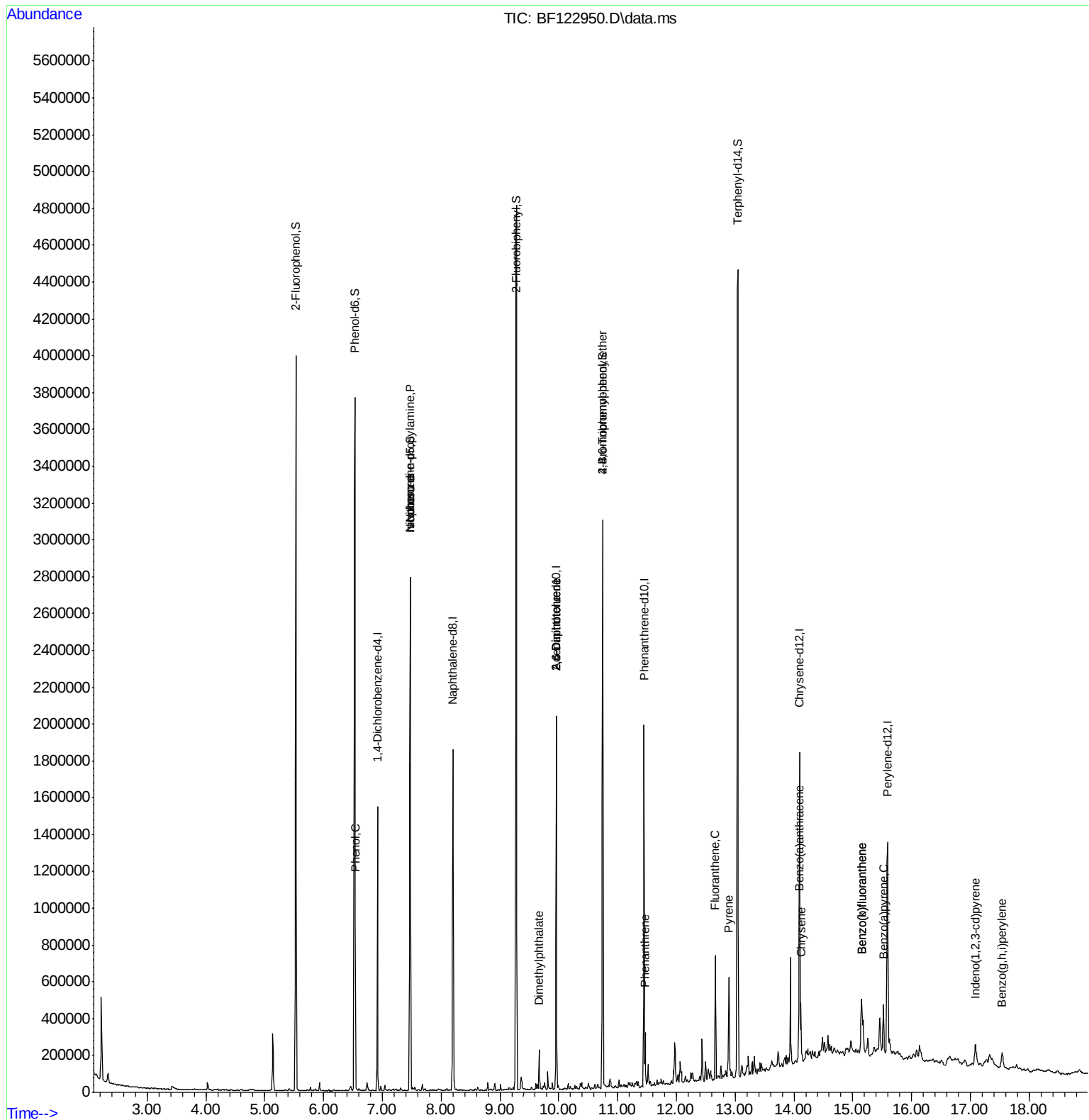
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	204087	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	767587	20.00	ng	0.00
39) Acenaphthene-d10	9.957	164	401490	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	695652	20.00	ng	0.00
76) Chrysene-d12	14.098	240	485488	20.00	ng	0.00
86) Perylene-d12	15.592	264	514247	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1129624	83.09	ng	0.00
7) Phenol-d6	6.533	99	1445114	78.33	ng	0.00
23) Nitrobenzene-d5	7.475	82	829106	53.41	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	368116	81.17	ng	-0.01
45) 2-Fluorobiphenyl	9.280	172	1555984	54.94	ng	0.00
79) Terphenyl-d14	13.045	244	1427890	54.49	ng	0.00
Target Compounds						
9) Benzaldehyde	6.463	77	2170	Below Cal		Qvalue 94
10) Phenol	6.539	94	38816	2.13	ng	88
19) n-Nitroso-di-n-propyla...	7.475	70	108355	9.63	ng	# 78
25) Isophorone	7.475	82	827125	29.71	ng	# 65
50) Dimethylphthalate	9.669	163	76147	2.55	ng	100
51) 2,6-Dinitrotoluene	9.957	165	53208	8.33	ng	# 31
57) 2,4-Dinitrotoluene	9.957	165	53208	6.51	ng	# 25
67) 4-Bromophenyl-phenylether	10.745	248	23950	2.85	ng	# 1
71) Phenanthrene	11.474	178	111935	2.84	ng	97
75) Fluoranthene	12.663	202	255572	6.09	ng	98
78) Pyrene	12.892	202	223327	5.92	ng	98
81) Benzo(a)anthracene	14.086	228	144344	4.43	ng	94
83) Chrysene	14.121	228	114009	3.63	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	75152	2.26	ng	98
88) Benzo(b)fluoranthene	15.151	252	230112	6.37	ng	98
89) Benzo(k)fluoranthene	15.151	252	230112	6.91	ng	97
90) Benzo(a)pyrene	15.521	252	123041	3.87	ng	97
92) Benzo(g,h,i)perylene	17.539	276	64394	2.48	ng	96

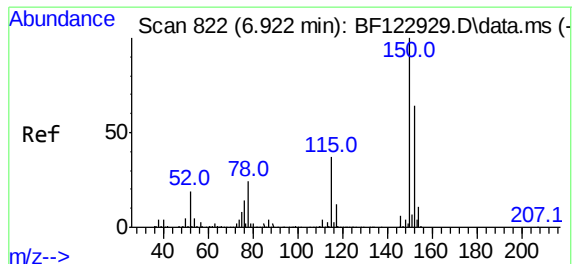
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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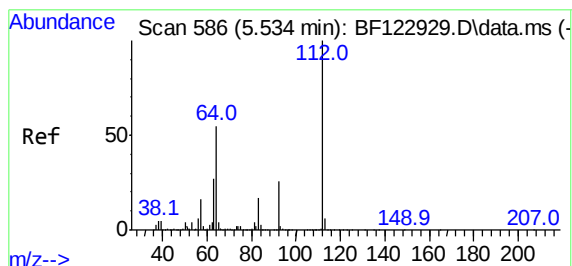
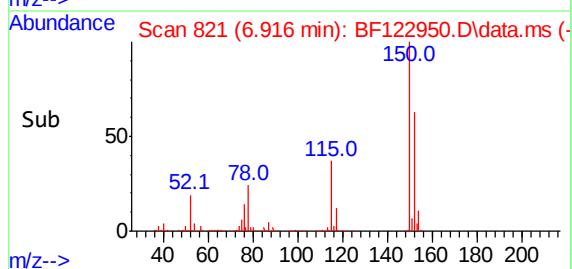
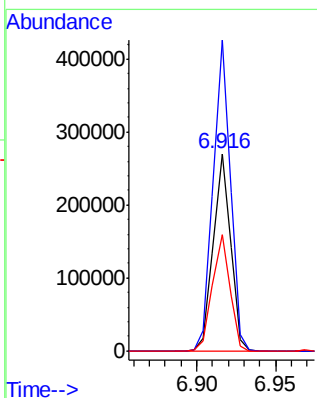
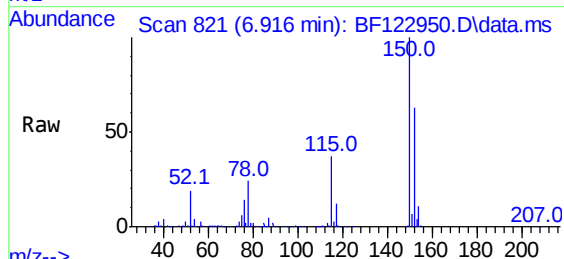




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

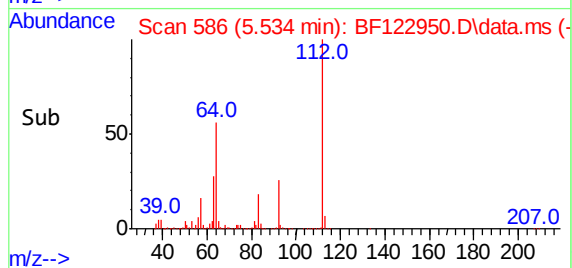
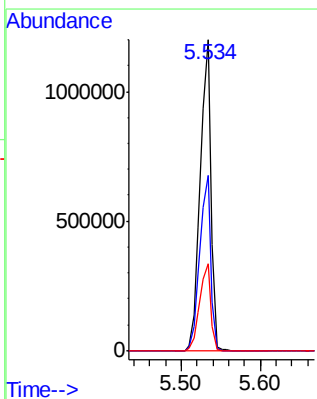
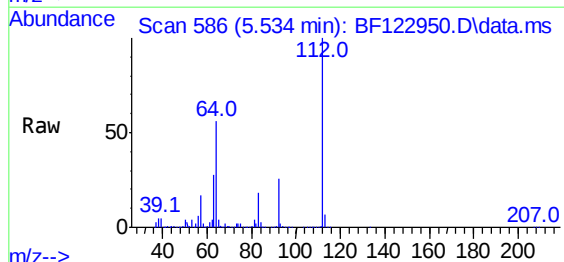
Instrument :
BNA_F
ClientSampleId :
TP-8

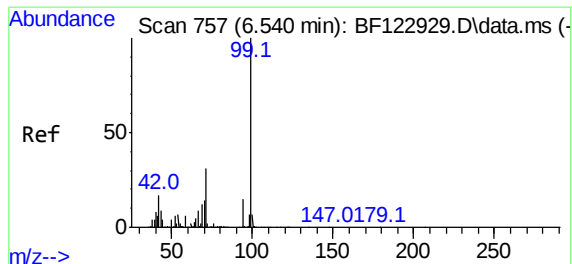
Tgt Ion:152 Resp: 204087
Ion Ratio Lower Upper
152 100
150 157.9 125.8 188.6
115 58.8 49.3 73.9



#5
2-Fluorophenol
Concen: 83.09 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.000 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:112 Resp: 1129624
Ion Ratio Lower Upper
112 100
64 56.4 46.9 70.3
63 28.1 24.5 36.7

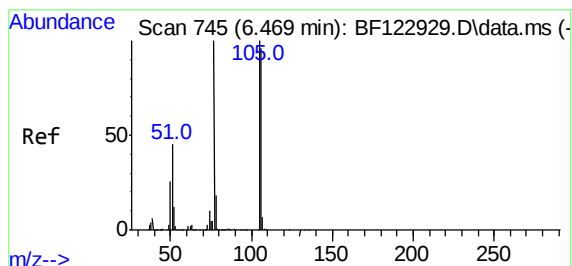
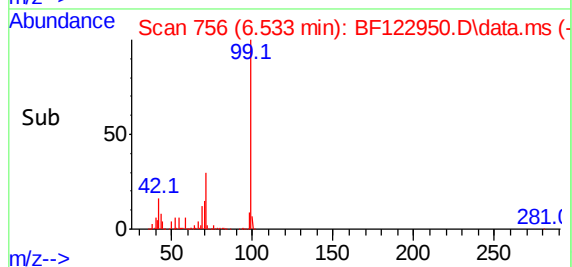
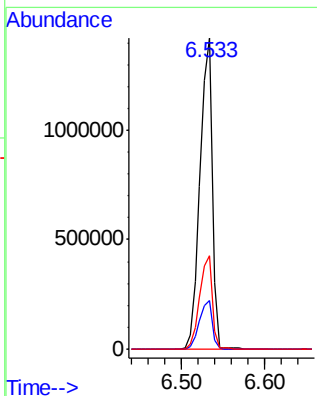
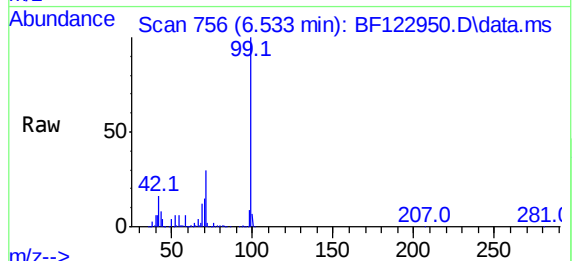




#7
Phenol-d6
Concen: 78.33 ng
RT: 6.533 min Scan# 756
Delta R.T. -0.007 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

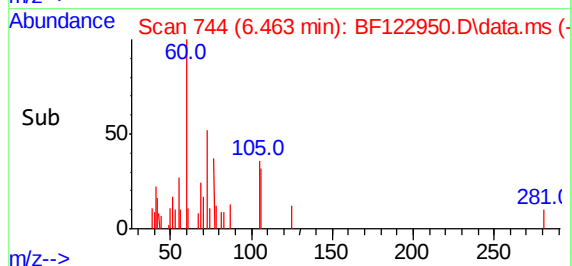
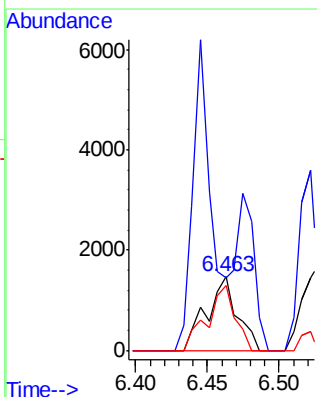
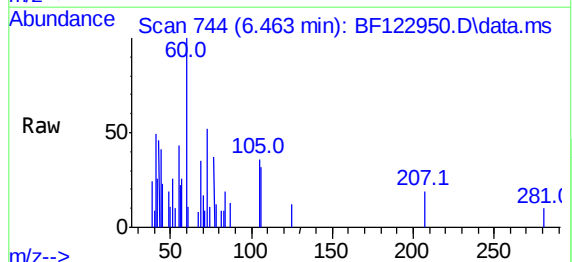
Instrument :
BNA_F
ClientSampleId :
TP-8

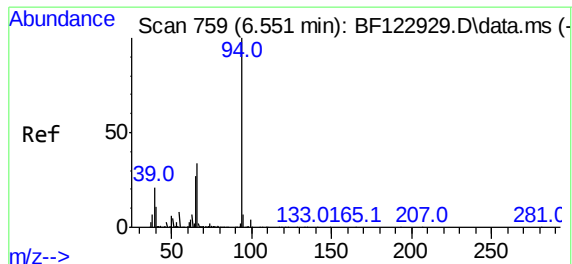
Tgt Ion: 99 Resp: 1445114
Ion Ratio Lower Upper
99 100
42 15.7 13.8 20.6
71 30.0 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion: 77 Resp: 2170
Ion Ratio Lower Upper
77 100
105 98.6 80.6 120.6
106 87.9 77.2 117.2

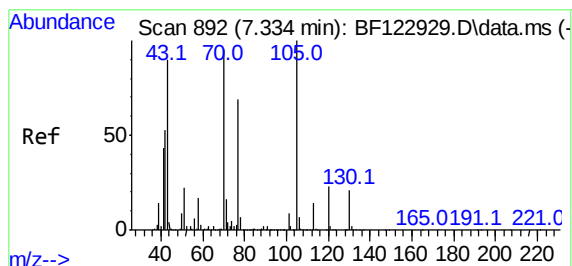
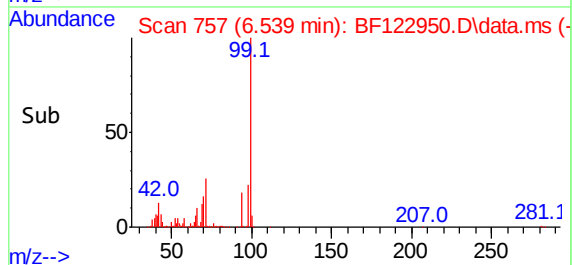
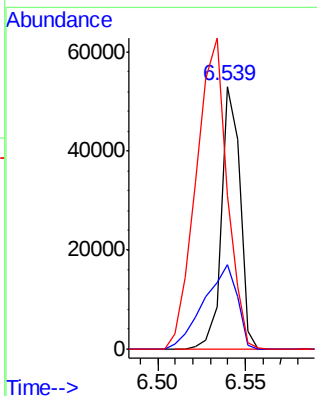
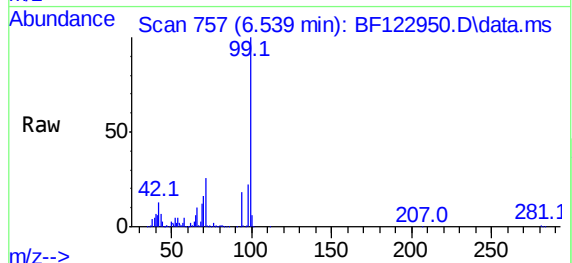




#10
Phenol
Concen: 2.13 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

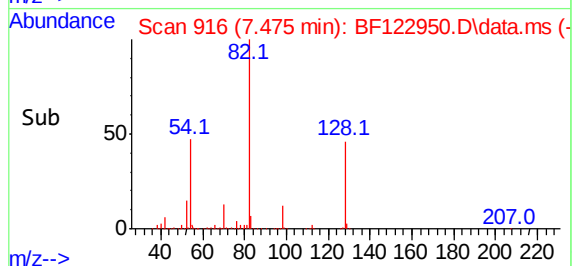
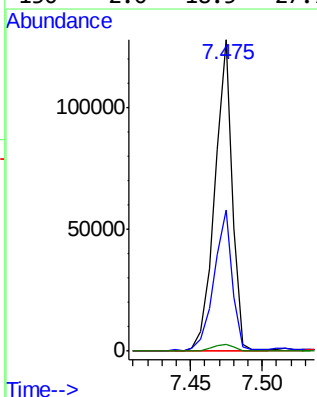
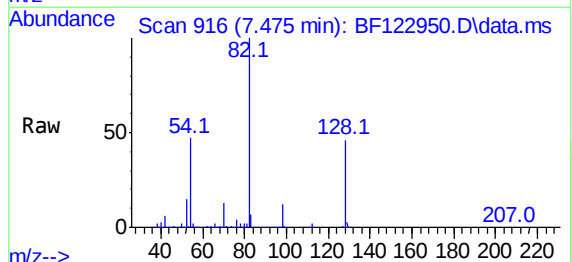
Instrument :
BNA_F
ClientSampleId :
TP-8

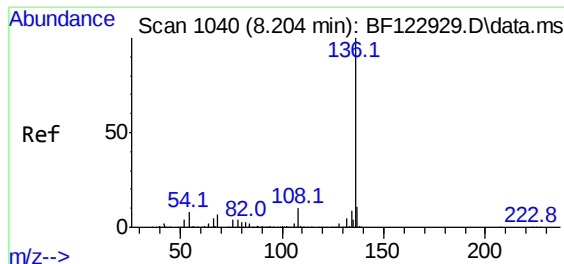
Tgt Ion: 94 Resp: 38816
Ion Ratio Lower Upper
94 100
65 32.3 11.2 51.2
66 58.5 25.8 65.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.63 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion: 70 Resp: 108355
Ion Ratio Lower Upper
70 100
42 45.1 43.0 64.4
101 0.0 7.9 11.9#
130 2.0 18.5 27.7#



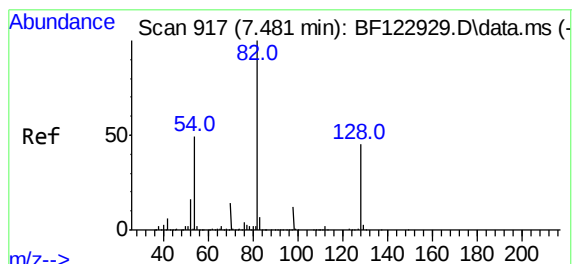
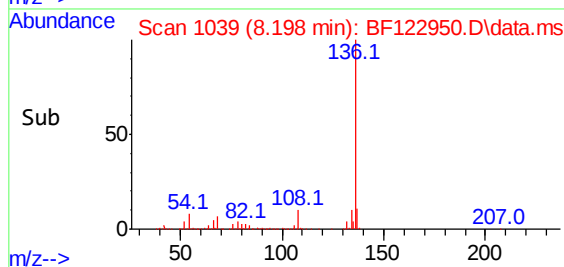
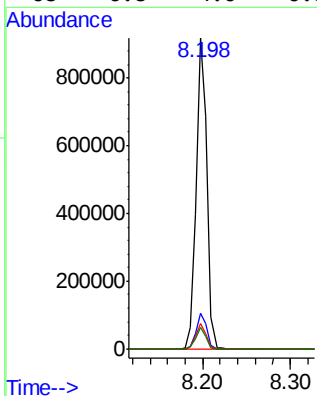
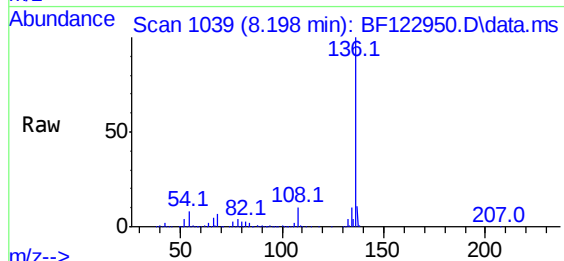


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:136 Resp: 767587

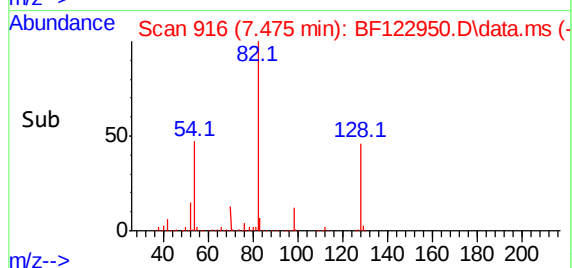
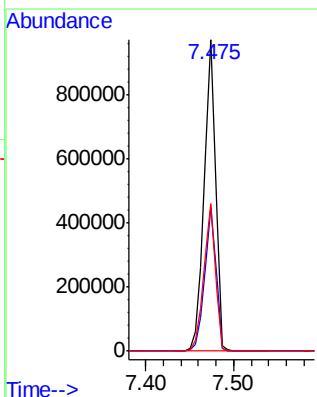
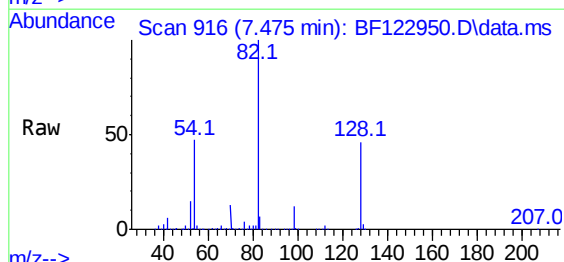
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.0	5.5	8.3
68	6.8	4.6	6.8

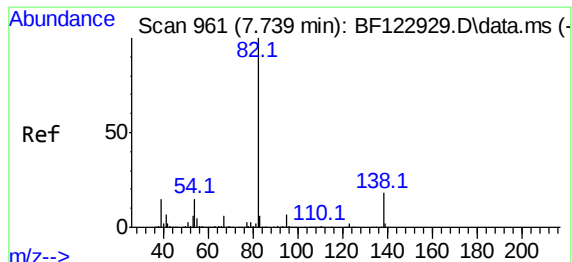


#23
Nitrobenzene-d5
Concen: 53.41 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion: 82 Resp: 829106

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.4
54	47.1	38.4	57.6

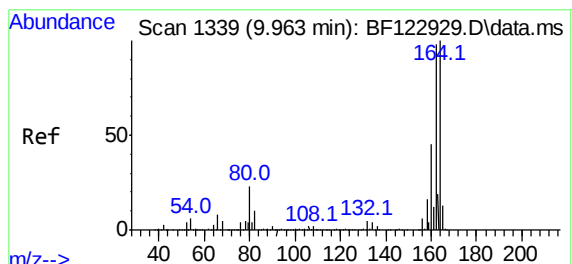
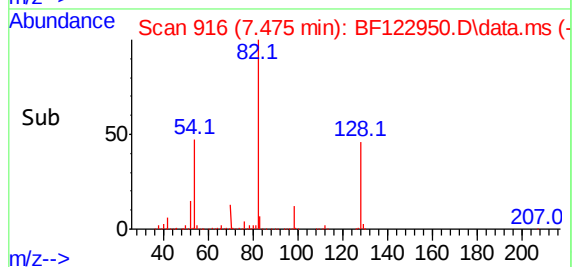
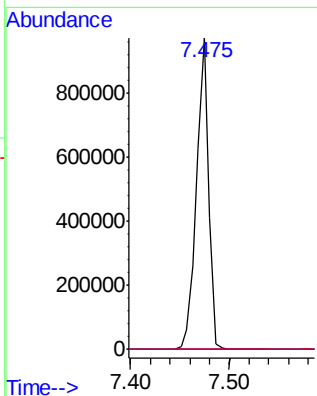
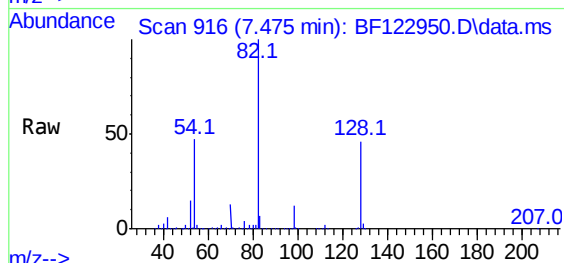




#25
Isophorone
Concen: 29.71 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

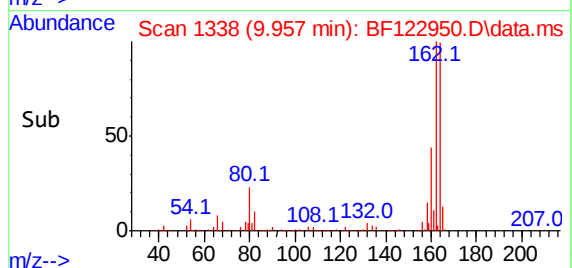
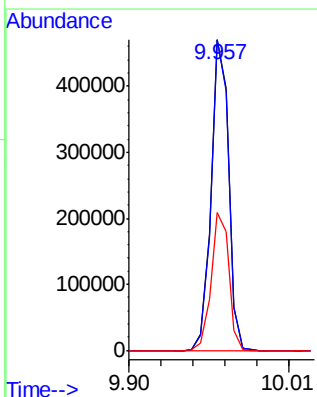
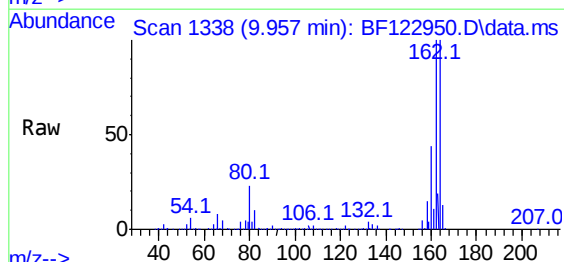
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BNA_F
ClientSampleId :
TP-8

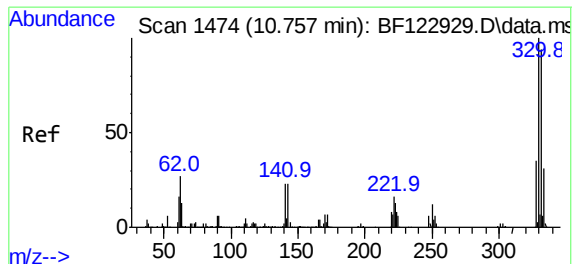
Tgt Ion: 82 Resp: 827125
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:164 Resp: 401490
Ion Ratio Lower Upper
164 100
162 99.8 80.8 121.2
160 44.3 35.4 53.0

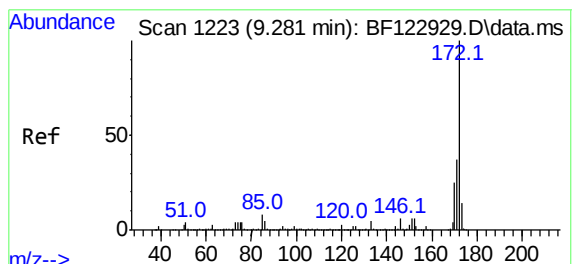
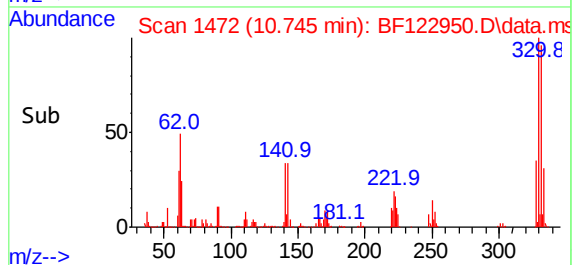
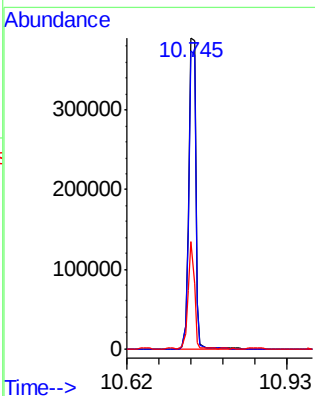
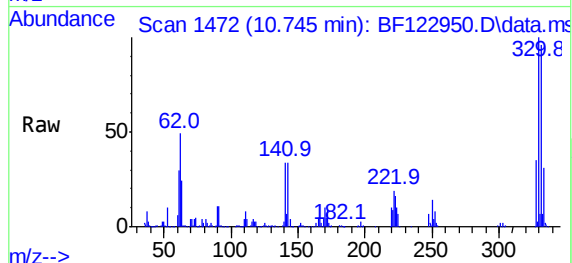




#42
2,4,6-Tribromophenol
Concen: 81.17 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

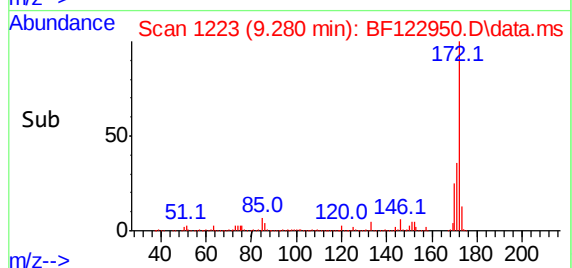
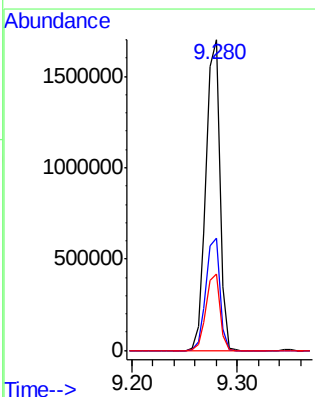
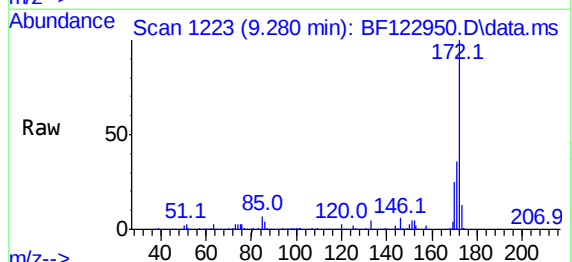
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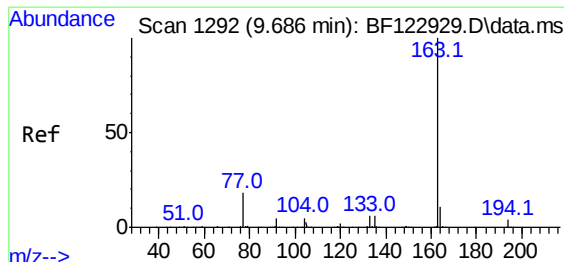
Tgt Ion:330 Resp: 368116
Ion Ratio Lower Upper
330 100
332 95.4 77.5 116.3
141 30.8 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 54.94 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.001 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:172 Resp: 1555984
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.7 19.5 29.3

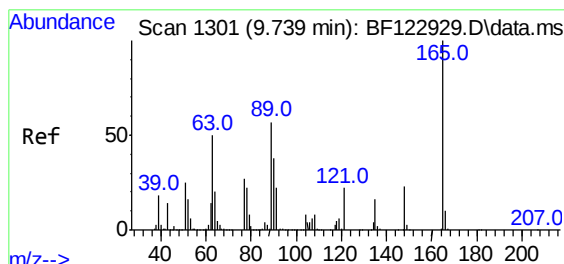
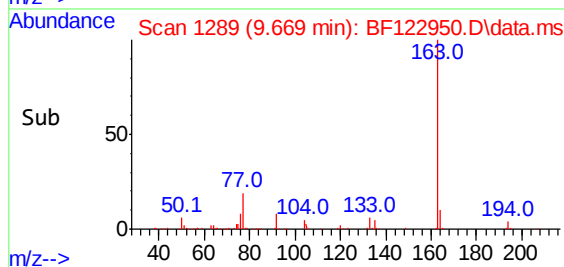
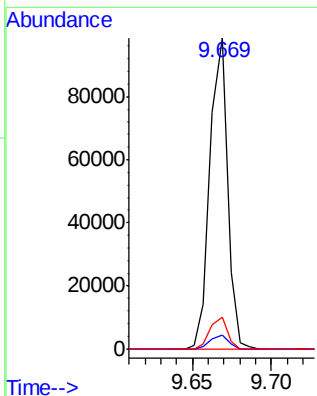
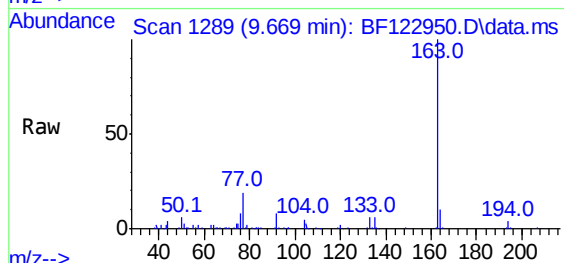




#50
Dimethylphthalate
Concen: 2.55 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

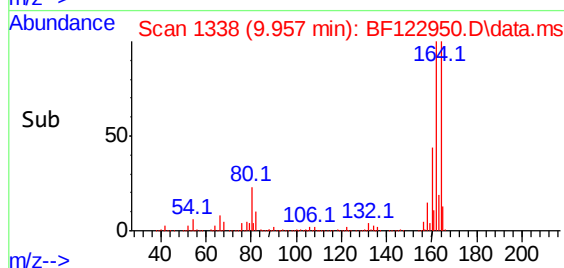
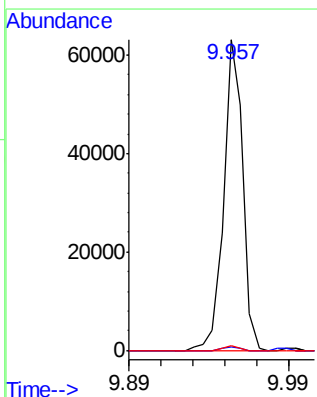
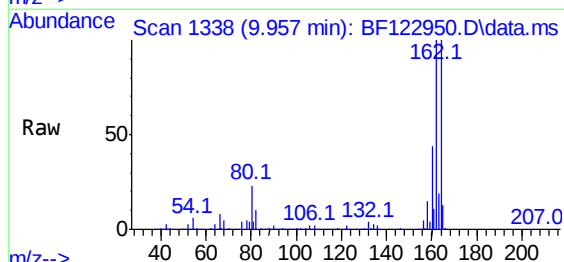
Instrument :
BNA_F
ClientSampleId :
TP-8

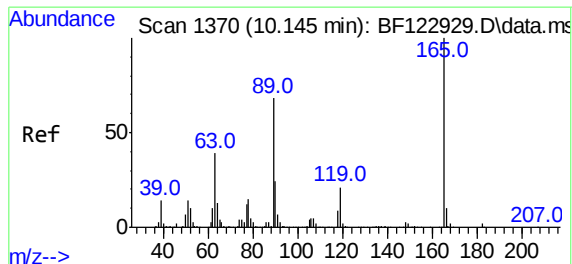
Tgt Ion:163 Resp: 76147
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.1 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 8.33 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.217 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:165 Resp: 53208
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.4 39.4 59.0#

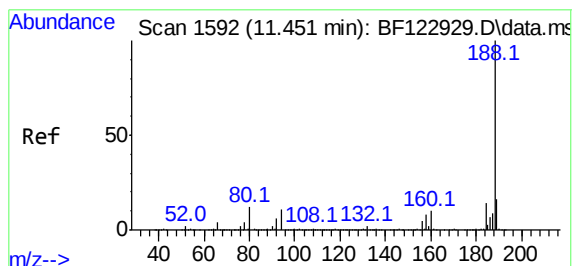
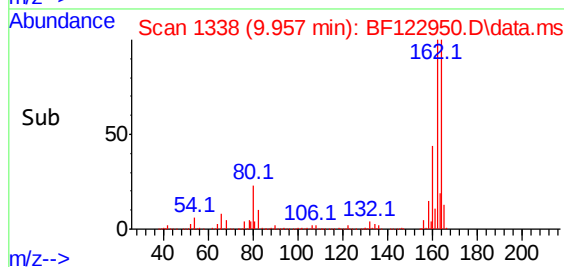
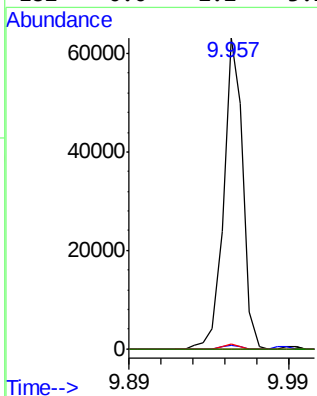
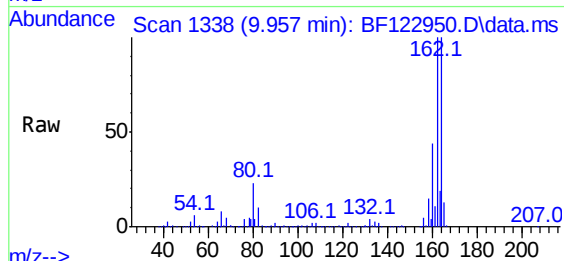




#57
2,4-Dinitrotoluene
Concen: 6.51 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

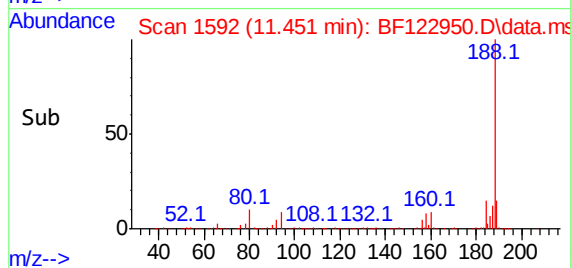
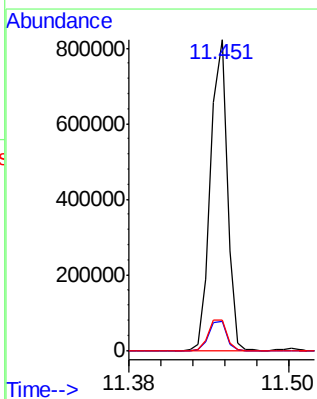
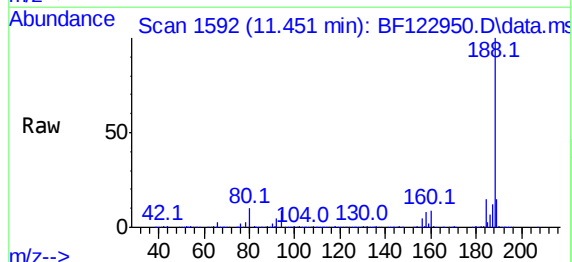
Instrument :
BNA_F
ClientSampled :
TP-8

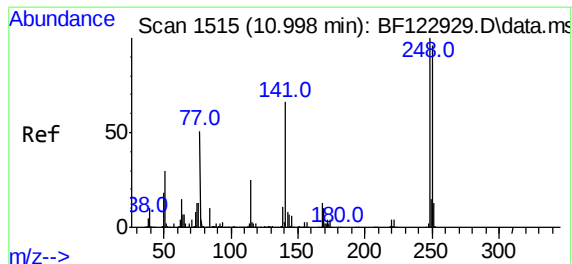
Tgt Ion:165 Resp: 53208
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:188 Resp: 695652
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.7 8.2 12.4

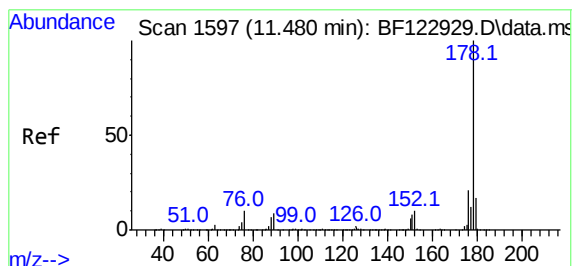
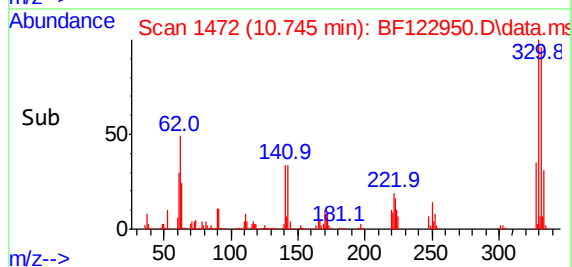
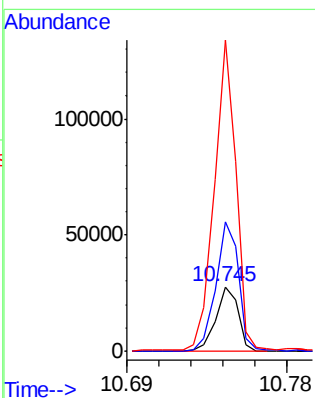
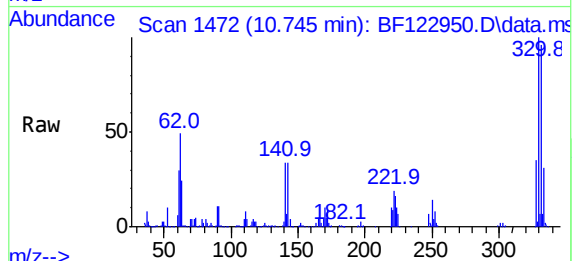




#67
4-Bromophenyl-phenylether
Concen: 2.85 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

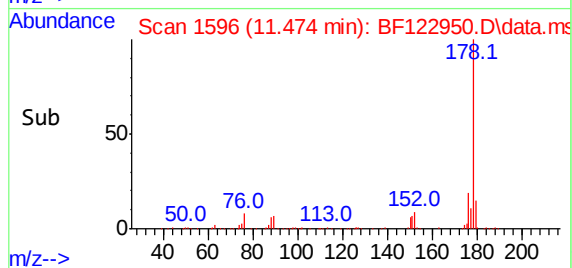
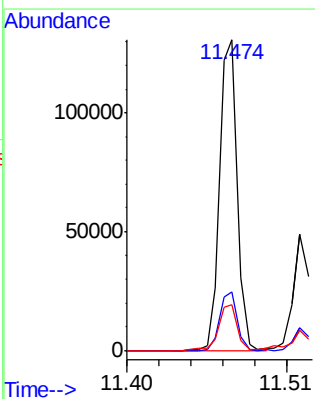
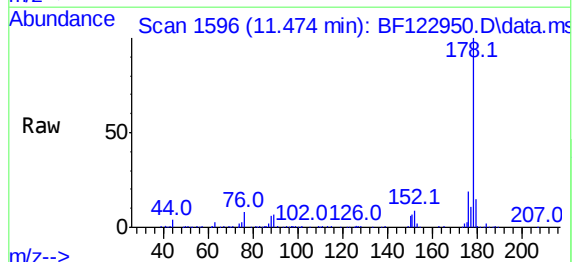
Instrument :
BNA_F
ClientSampleId :
TP-8

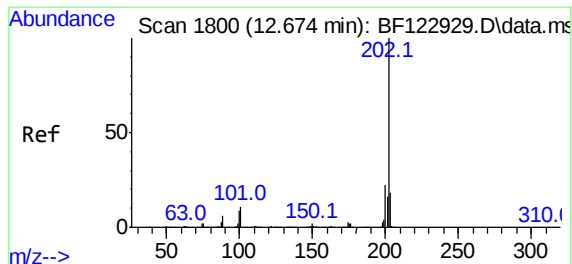
Tgt Ion:248 Resp: 23950
Ion Ratio Lower Upper
248 100
250 200.1 76.8 115.2#
141 483.7 59.8 89.8#



#71
Phenanthrene
Concen: 2.84 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:178 Resp: 111935
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 14.9 12.7 19.1

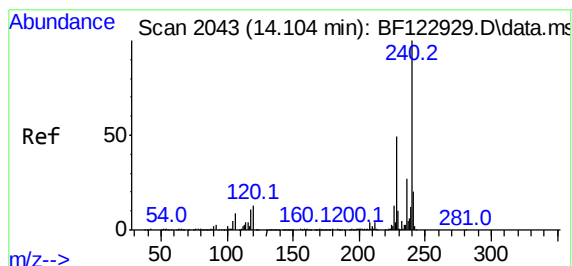
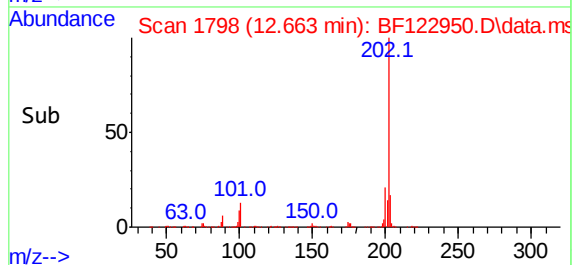
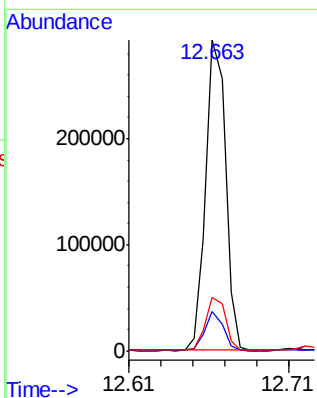
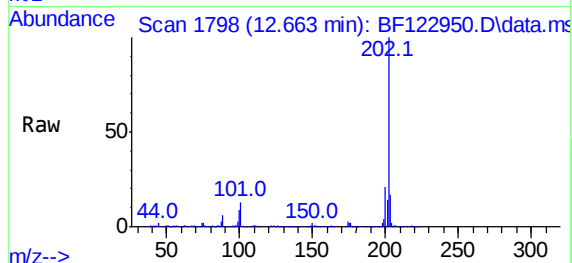




#75
Fluoranthene
Concen: 6.09 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

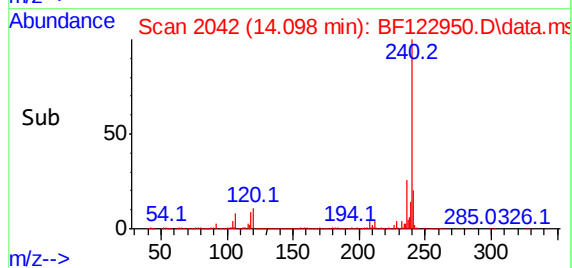
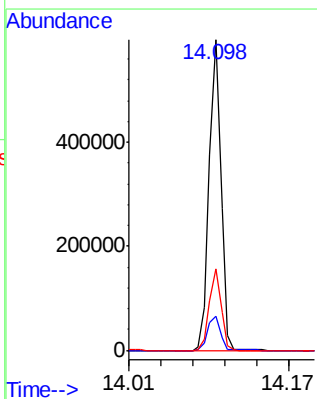
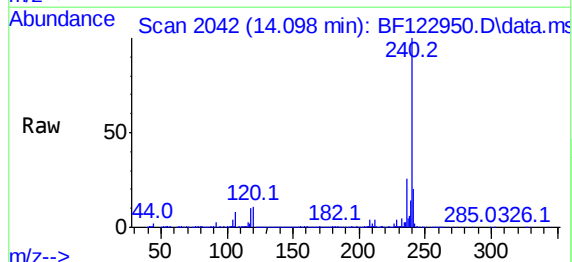
Instrument :
BNA_F
ClientSampleId :
TP-8

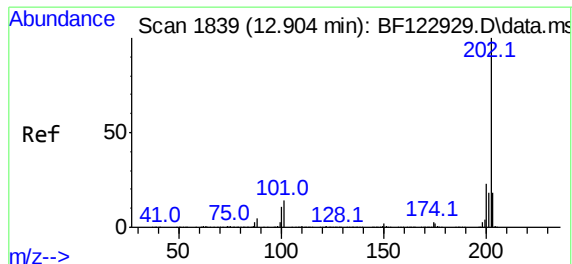
Tgt Ion:202 Resp: 255572
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.2
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:240 Resp: 485488
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 26.3 20.3 30.5

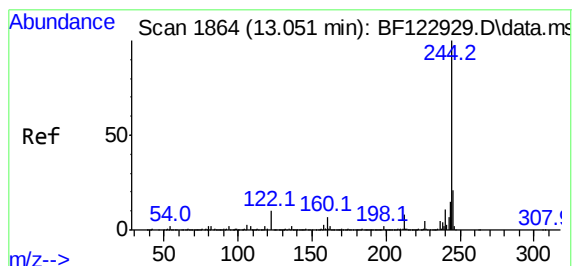
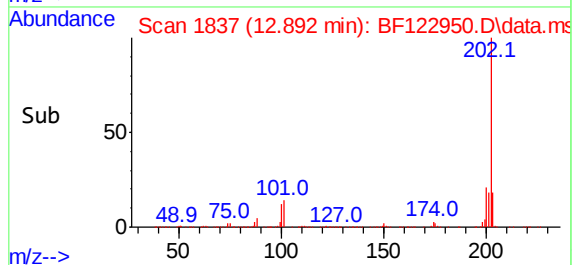
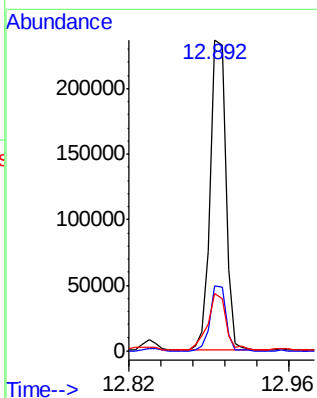
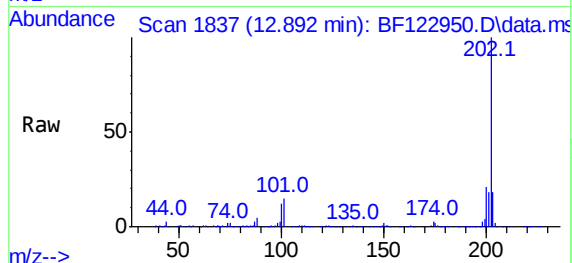




#78
Pyrene
Concen: 5.92 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

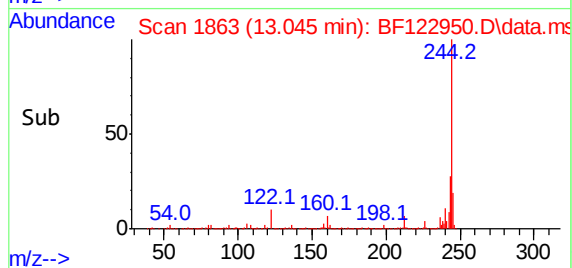
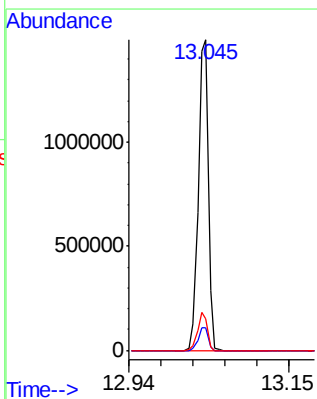
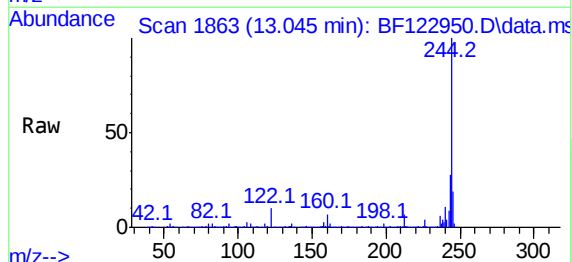
Instrument :
BNA_F
ClientSampleId :
TP-8

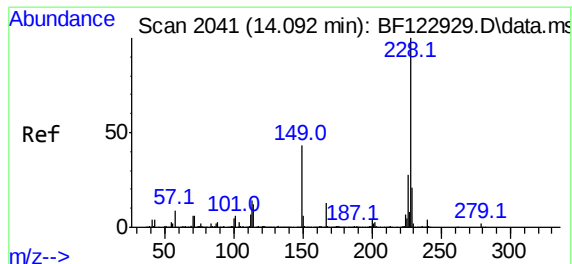
Tgt Ion:202 Resp: 223327
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 18.3 14.6 21.8



#79
Terphenyl-d14
Concen: 54.49 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:244 Resp: 1427890
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 10.2 8.3 12.5

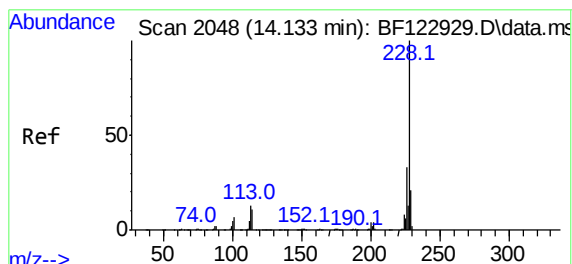
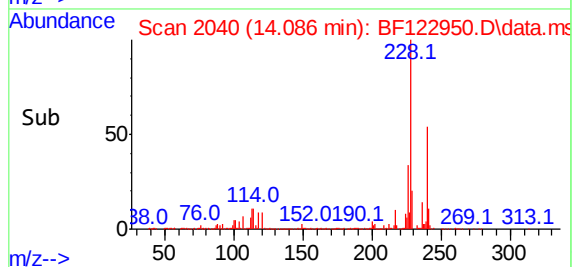
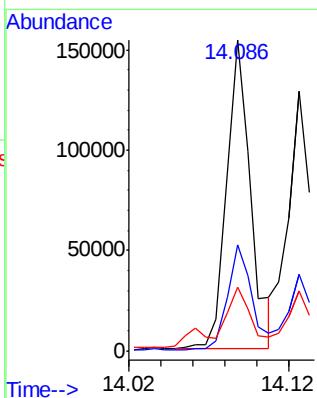
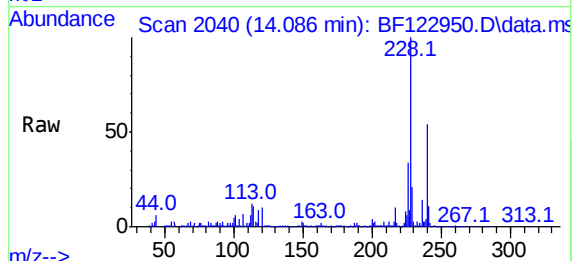




#81
Benzo(a)anthracene
Concen: 4.43 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

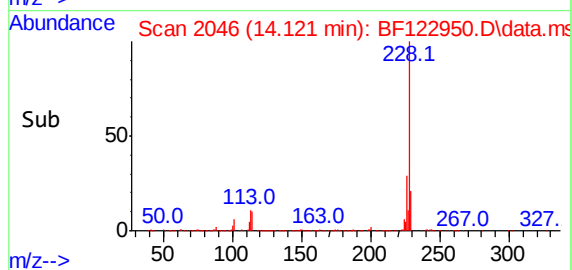
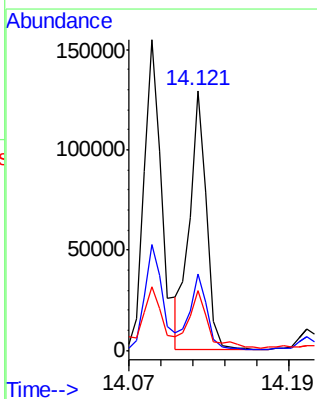
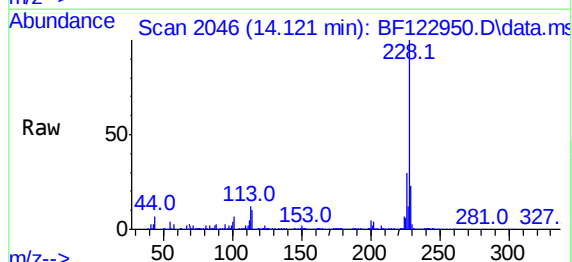
Instrument :
BNA_F
ClientSampleId :
TP-8

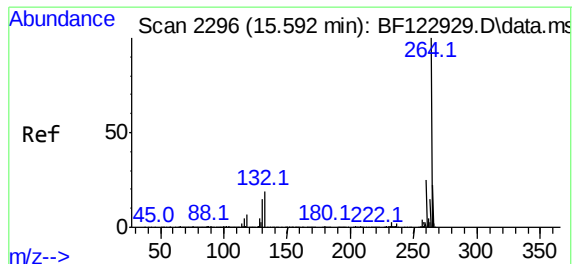
Tgt Ion:	228	Resp:	144344
Ion Ratio	Lower	Upper	
228	100		
226	34.1	23.0	34.4
229	20.5	16.6	24.8



#83
Chrysene
Concen: 3.63 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:	228	Resp:	114009
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.6	36.8
229	22.8	15.8	23.6

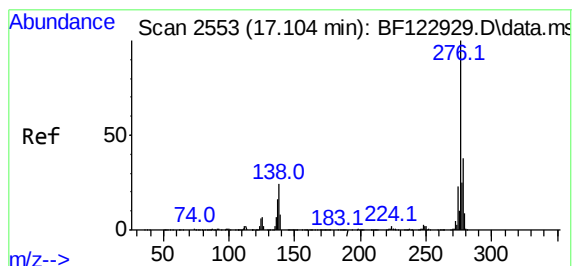
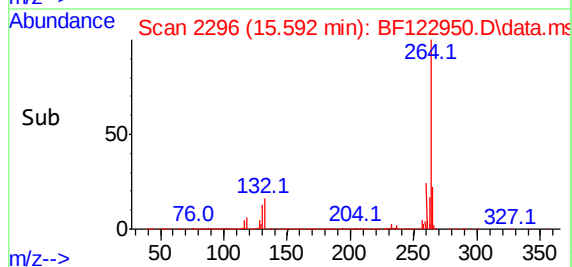
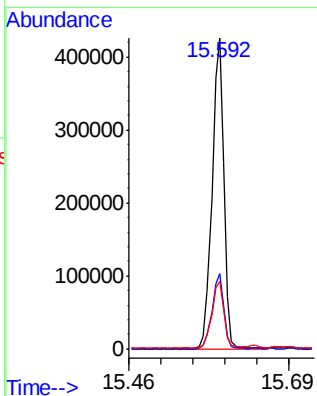
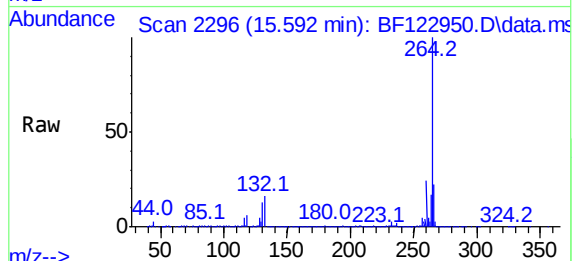




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.592 min Scan# 2296
Delta R.T. -0.000 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

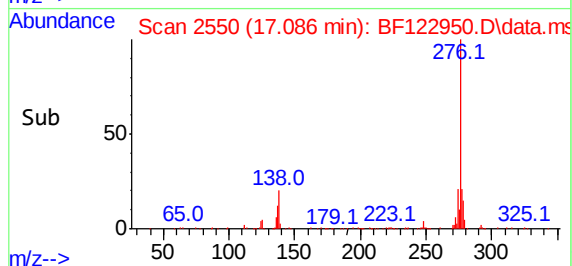
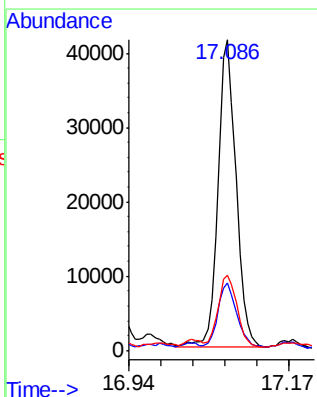
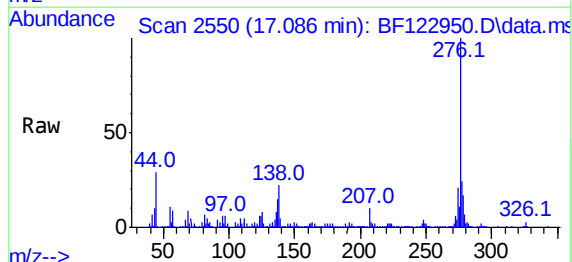
Instrument :
BNA_F
ClientSampleId :
TP-8

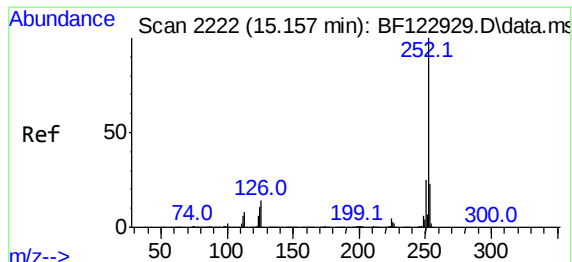
Tgt Ion:264 Resp: 514247
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 21.7 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.26 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.018 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:276 Resp: 75152
Ion Ratio Lower Upper
276 100
138 21.6 18.7 28.1
277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 6.37 ng

RT: 15.151 min Scan# 2221

Delta R.T. -0.006 min

Lab File: BF122950.D

Acq: 8 Jan 2021 20:05

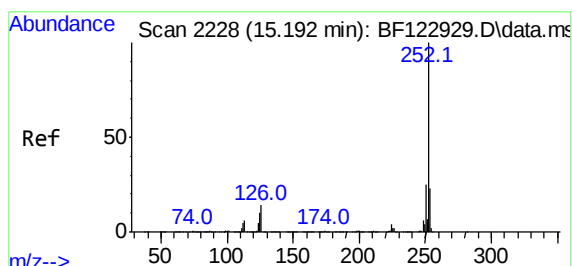
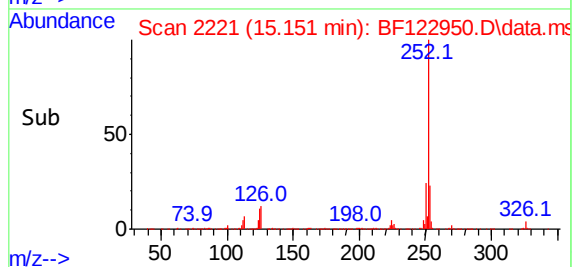
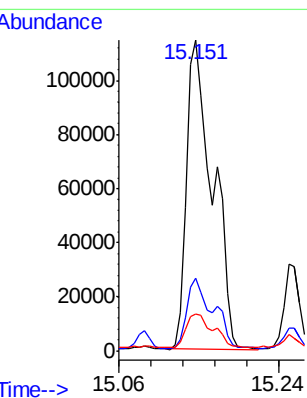
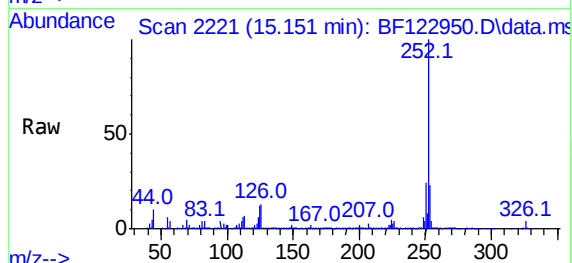
Tgt Ion:252 Resp: 230112

Ion Ratio Lower Upper

252 100

253 23.4 18.3 27.5

125 12.0 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 6.91 ng

RT: 15.151 min Scan# 2221

Delta R.T. -0.041 min

Lab File: BF122950.D

Acq: 8 Jan 2021 20:05

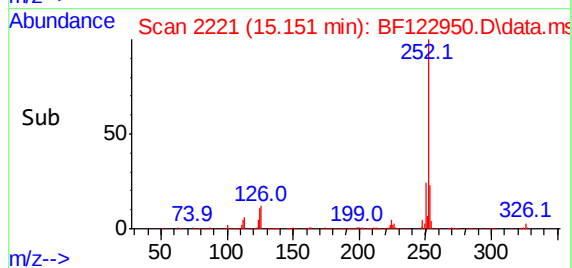
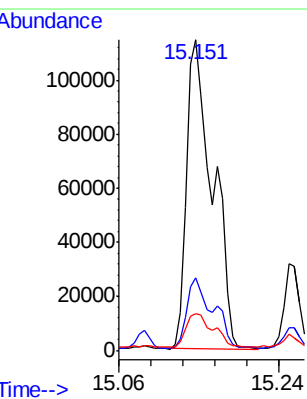
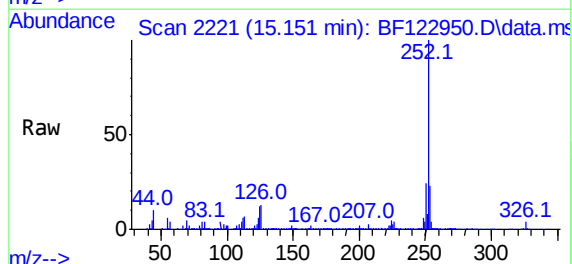
Tgt Ion:252 Resp: 230112

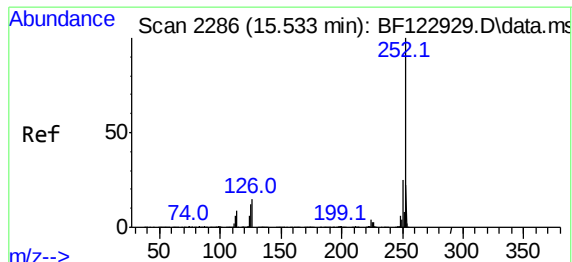
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 12.0 8.4 12.6

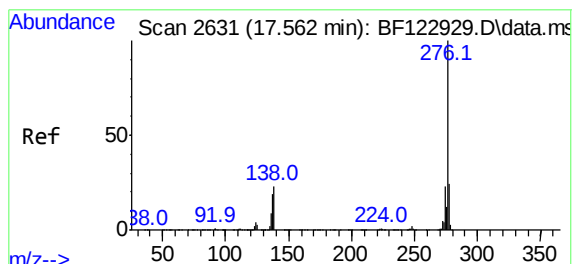
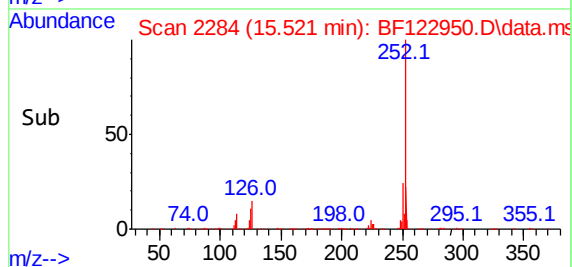
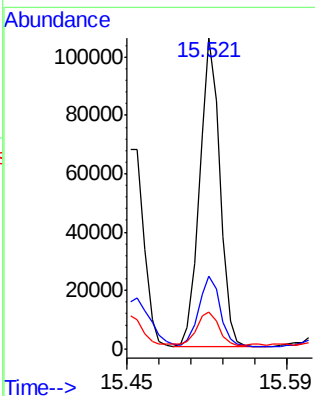
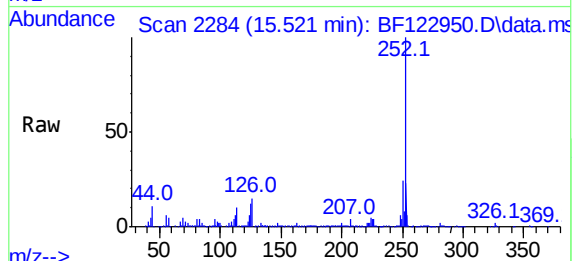




#90
Benzo(a)pyrene
Concen: 3.87 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.012 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:252 Resp: 123041
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.9 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 2.48 ng
RT: 17.539 min Scan# 2627
Delta R.T. -0.024 min
Lab File: BF122950.D
Acq: 8 Jan 2021 20:05

Tgt Ion:276 Resp: 64394
Ion Ratio Lower Upper
276 100
277 24.1 19.3 28.9
138 24.4 16.6 24.8

