

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010821\
 Data File : BF122948.D
 Acq On : 8 Jan 2021 19:03
 Operator : JU/CG
 Sample : M1042-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11939

Quant Time: Jan 08 23:31:42 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)

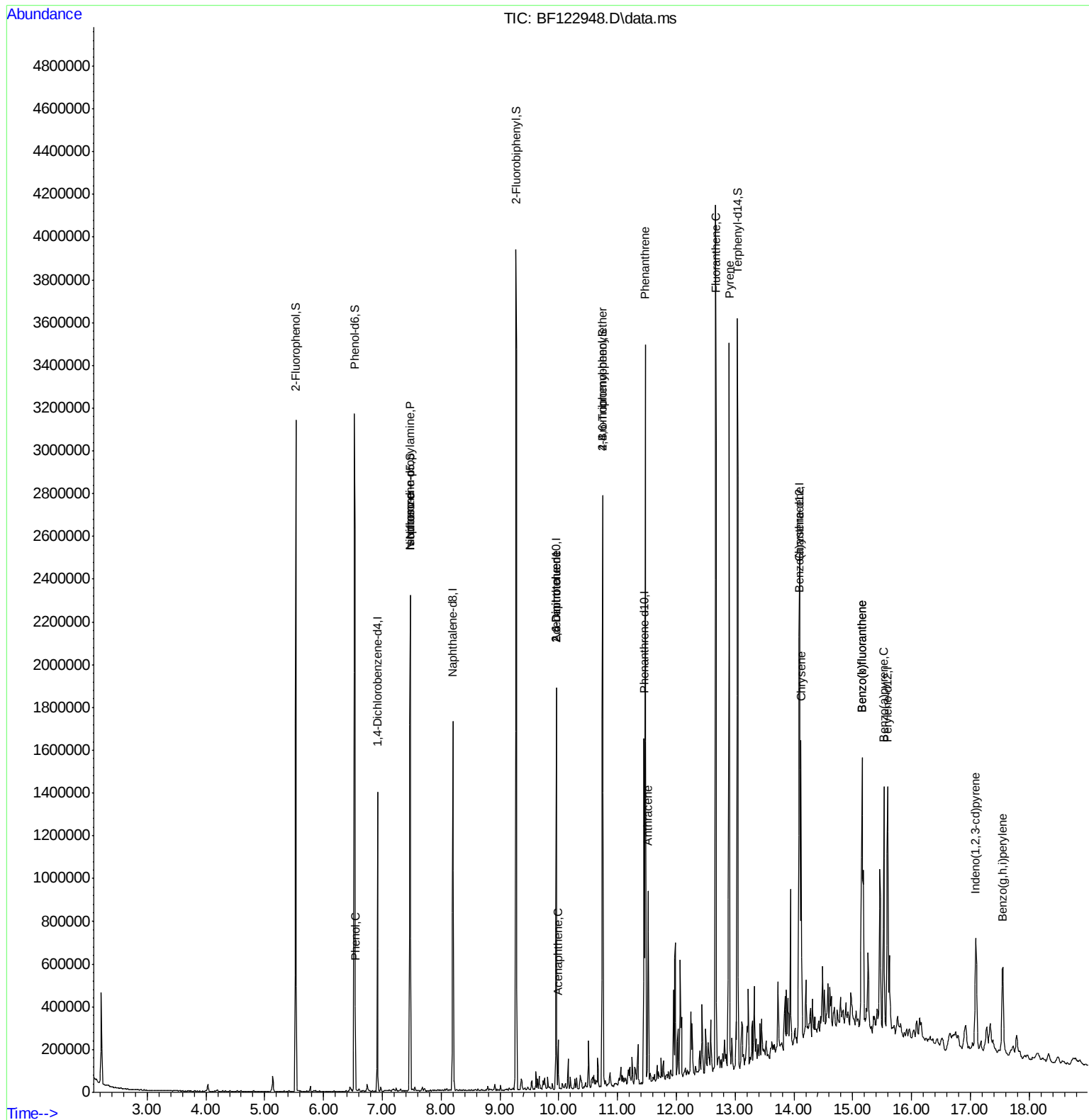
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	181537	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	688751	20.00	ng	0.00
39) Acenaphthene-d10	9.957	164	357816	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	625608	20.00	ng	0.00
76) Chrysene-d12	14.098	240	465241	20.00	ng	0.00
86) Perylene-d12	15.592	264	488879	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	953754	78.87	ng	0.00
7) Phenol-d6	6.528	99	1191330	72.60	ng	-0.01
23) Nitrobenzene-d5	7.475	82	694419	49.85	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	299050	73.99	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	1228404	48.67	ng	0.00
79) Terphenyl-d14	13.039	244	1042756	41.53	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.445	77	2042	Below Cal	Qvalue	# 1
10) Phenol	6.539	94	43517	2.68	ng	90
19) n-Nitroso-di-n-propyla...	7.475	70	91020	9.09	ng	# 77
25) Isophorone	7.475	82	694406	27.80	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	48172	8.46	ng	# 31
52) Acenaphthene	9.992	154	47319	2.08	ng	99
57) 2,4-Dinitrotoluene	9.957	165	48172	6.62	ng	# 25
67) 4-Bromophenyl-phenylether	10.745	248	19485	2.58	ng	# 1
71) Phenanthrene	11.474	178	1160825	32.75	ng	99
72) Anthracene	11.521	178	331971	9.45	ng	98
75) Fluoranthene	12.668	202	1590696	42.16	ng	98
78) Pyrene	12.898	202	1336345	36.95	ng	99
81) Benzo(a)anthracene	14.086	228	652003	20.88	ng	99
83) Chrysene	14.127	228	559195	18.58	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	366650	11.60	ng	96
88) Benzo(b)fluoranthene	15.156	252	990329	28.82	ng	98
89) Benzo(k)fluoranthene	15.156	252	990329	31.30	ng	98
90) Benzo(a)pyrene	15.527	252	548197	18.15	ng	98
92) Benzo(g,h,i)perylene	17.550	276	329376	13.35	ng	99

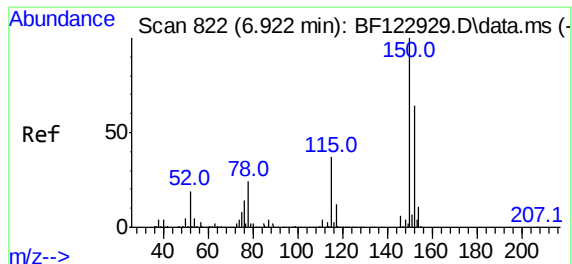
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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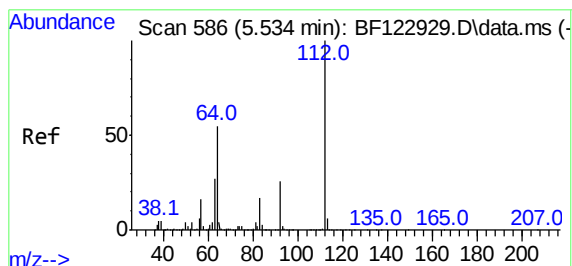
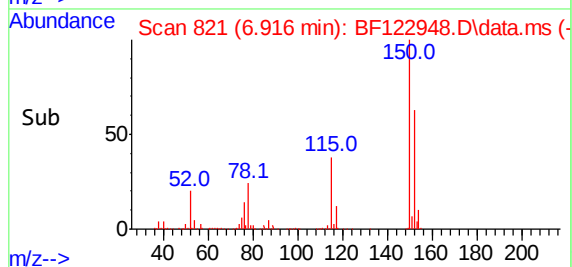
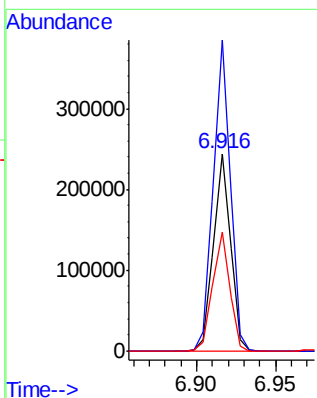
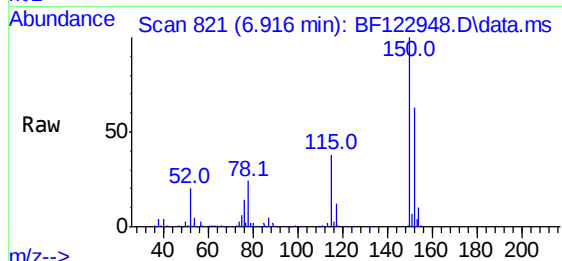




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

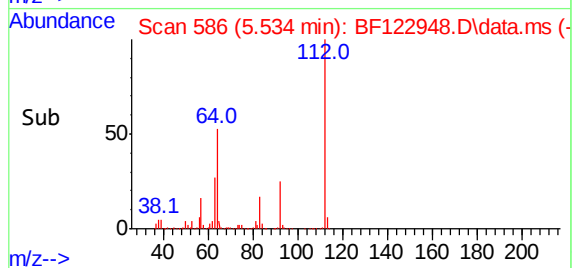
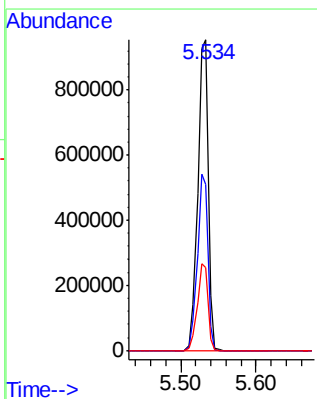
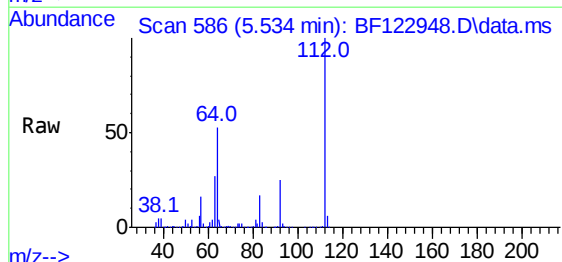
Instrument :
BNA_F
ClientSampleId :
11939

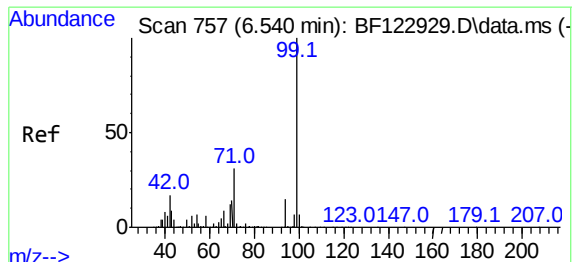
Tgt Ion:152 Resp: 181537
Ion Ratio Lower Upper
152 100
150 157.6 125.8 188.6
115 60.0 49.3 73.9



#5
2-Fluorophenol
Concen: 78.87 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.000 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:112 Resp: 953754
Ion Ratio Lower Upper
112 100
64 53.4 46.9 70.3
63 26.7 24.5 36.7

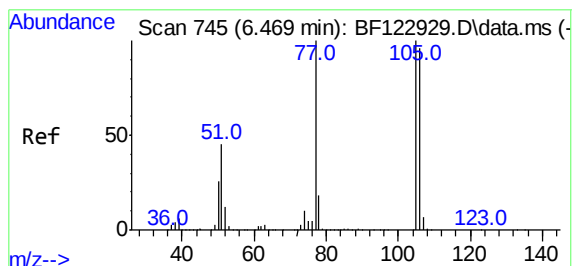
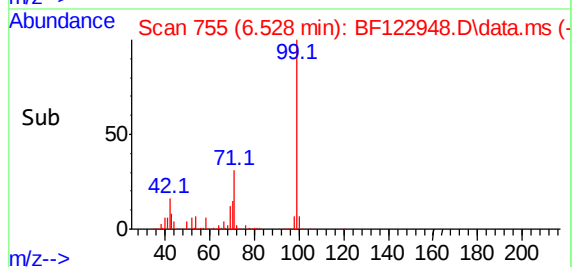
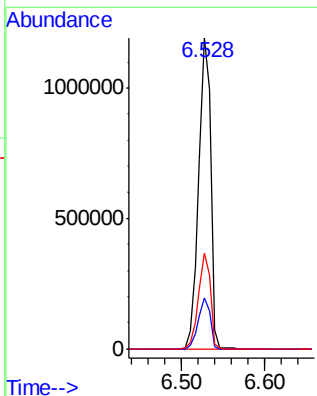
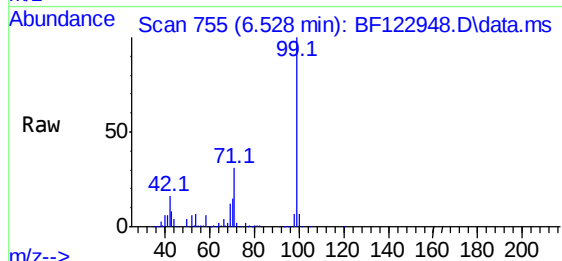




#7
Phenol-d6
Concen: 72.60 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

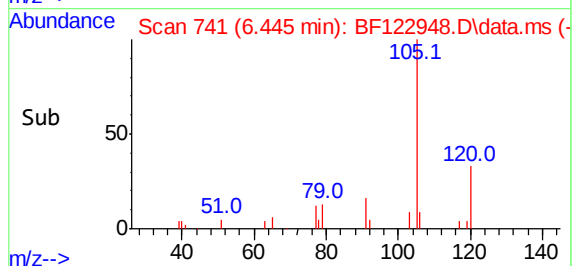
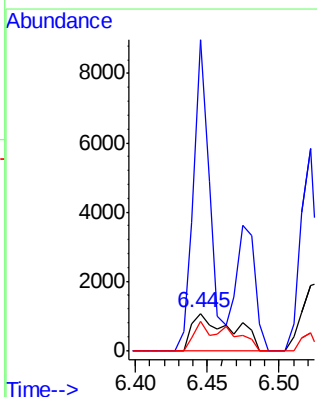
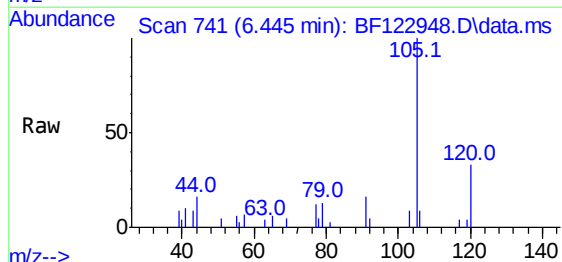
Instrument :
BNA_F
ClientSampleId :
11939

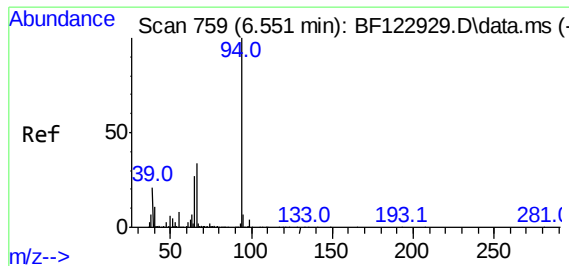
Tgt Ion: 99 Resp: 1191330
Ion Ratio Lower Upper
99 100
42 16.4 13.8 20.6
71 30.9 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 741
Delta R.T. -0.024 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion: 77 Resp: 2042
Ion Ratio Lower Upper
77 100
105 836.8 80.6 120.6#
106 79.5 77.2 117.2

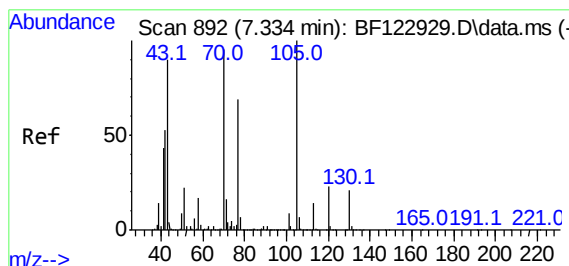
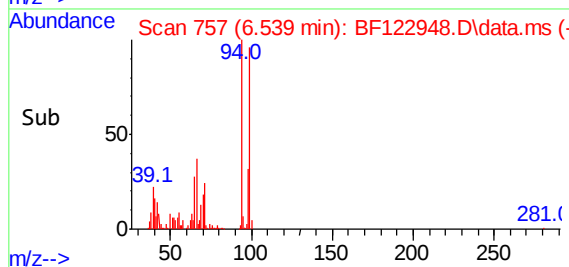
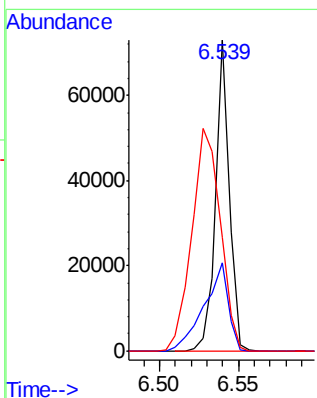
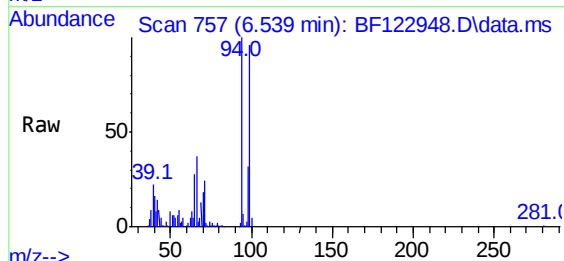




#10
Phenol
Concen: 2.68 ng
RT: 6.539 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

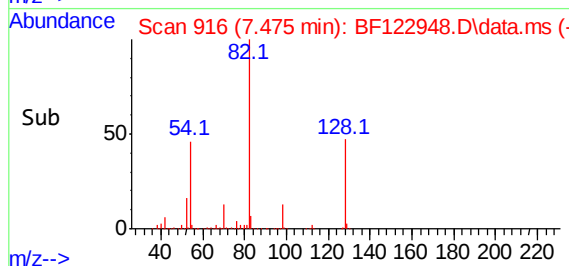
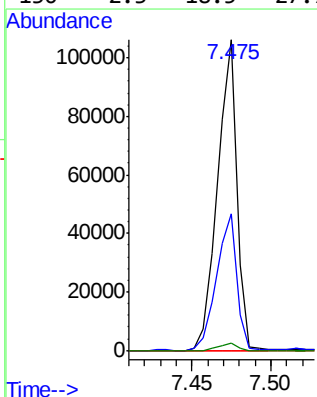
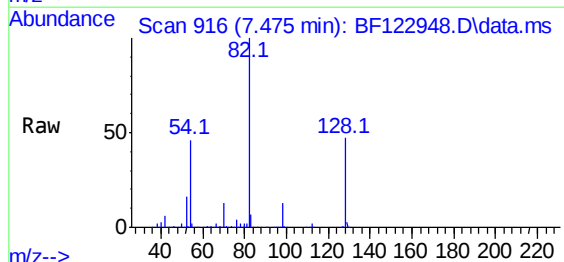
Instrument :
BNA_F
ClientSampleId :
11939

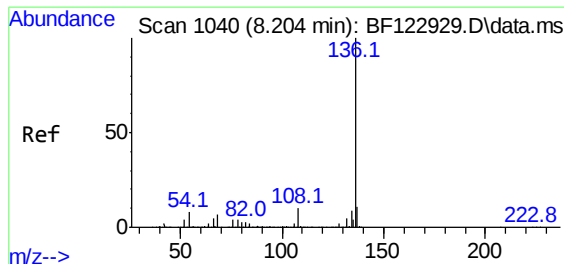
Tgt Ion: 94 Resp: 43517
Ion Ratio Lower Upper
94 100
65 28.3 11.2 51.2
66 36.5 25.8 65.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.09 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion: 70 Resp: 91020
Ion Ratio Lower Upper
70 100
42 44.0 43.0 64.4
101 0.0 7.9 11.9#
130 2.3 18.5 27.7#



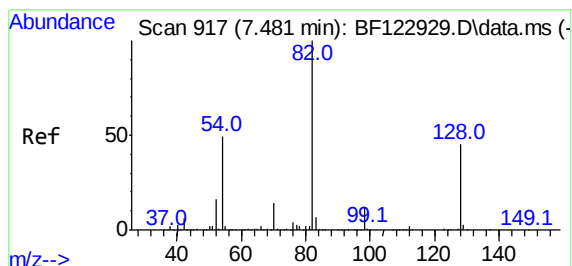
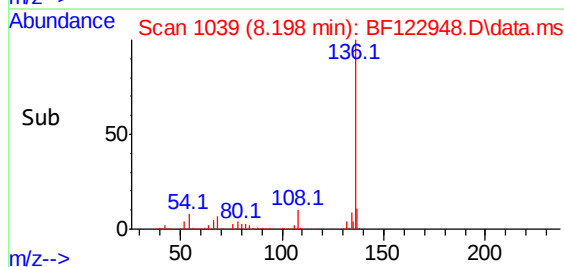
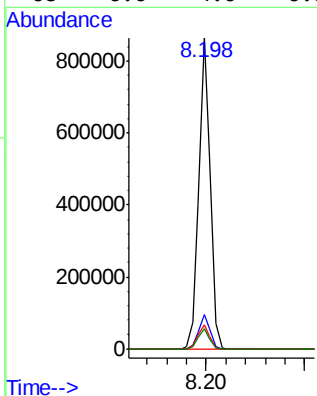
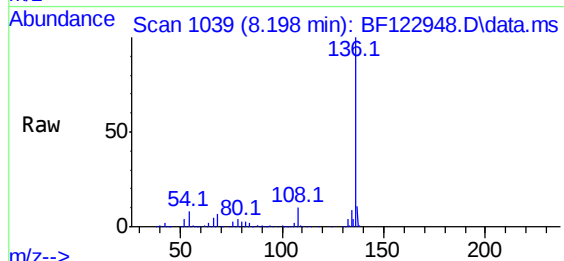


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Instrument :
BNA_F
ClientSampled :
11939

Tgt Ion:136 Resp: 688751

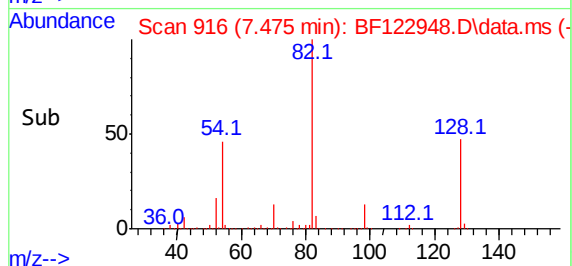
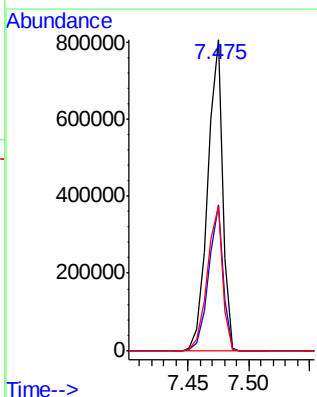
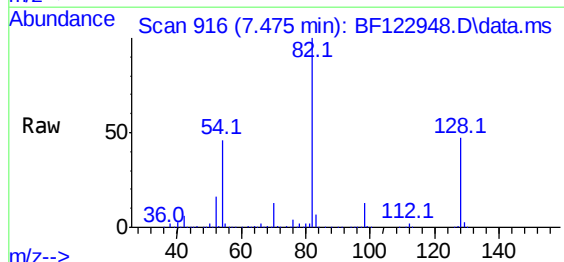
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.8	5.5	8.3
68	6.6	4.6	6.8

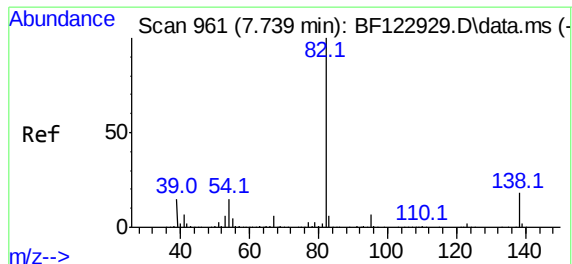


#23
Nitrobenzene-d5
Concen: 49.85 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion: 82 Resp: 694419

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.4
54	46.3	38.4	57.6

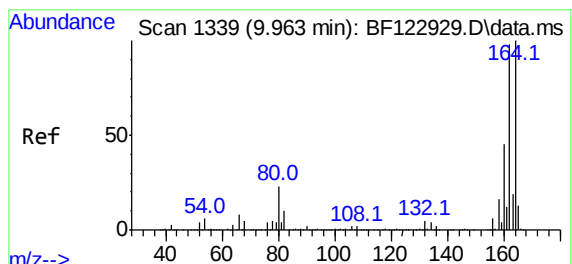
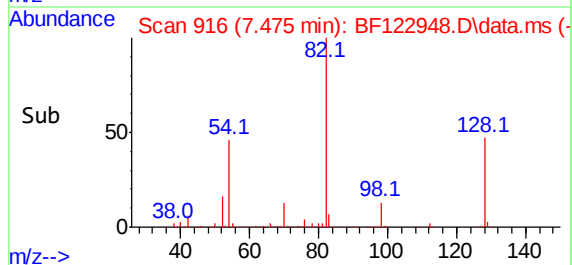
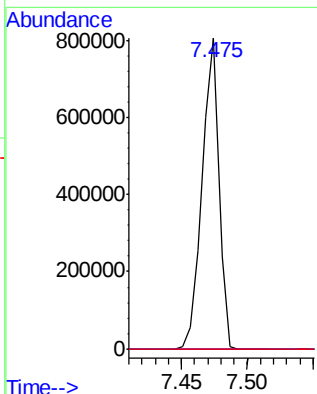
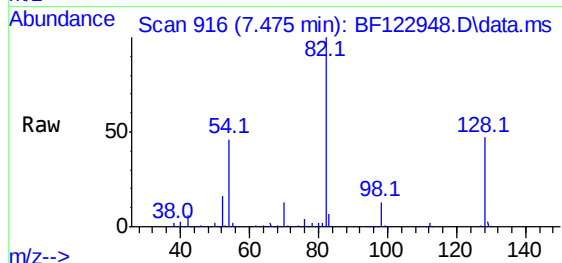




#25
Isophorone
Concen: 27.80 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

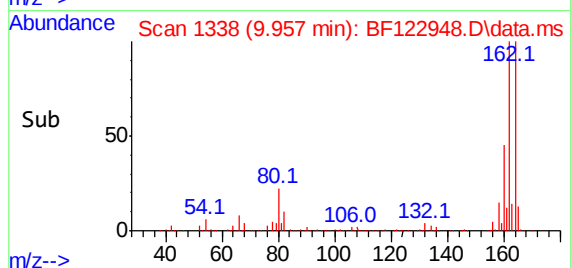
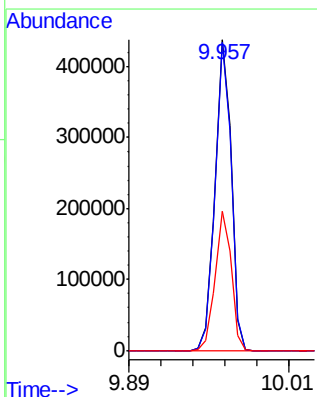
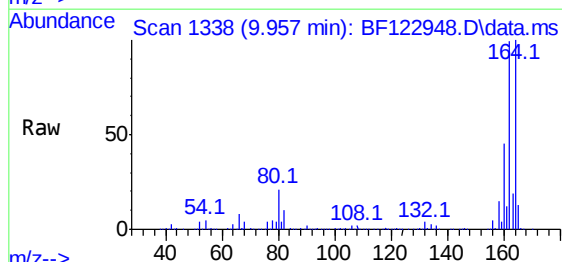
Instrument :
BNA_F
ClientSampleId :
11939

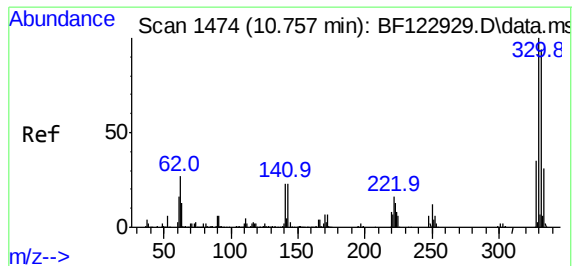
Tgt Ion: 82 Resp: 694406
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion: 164 Resp: 357816
Ion Ratio Lower Upper
164 100
162 99.1 80.8 121.2
160 44.8 35.4 53.0

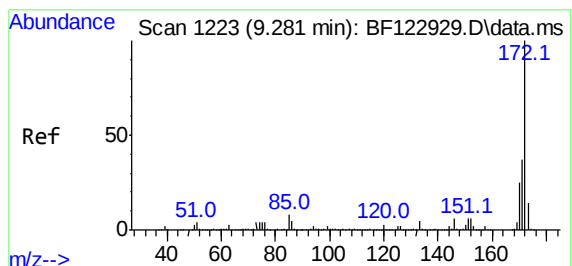
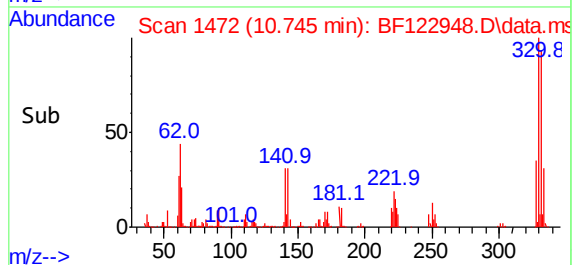
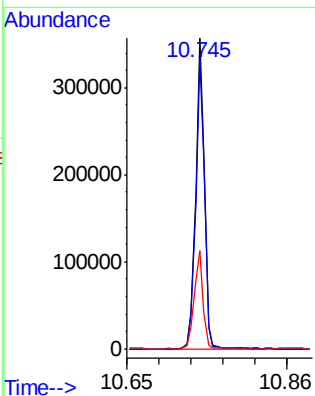
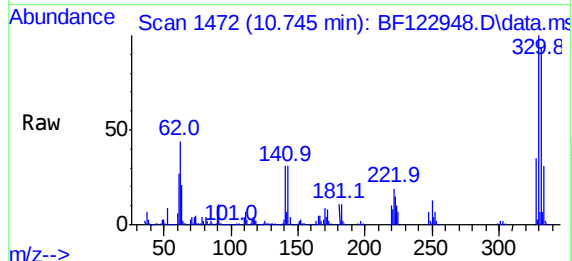




#42
2,4,6-Tribromophenol
Concen: 73.99 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

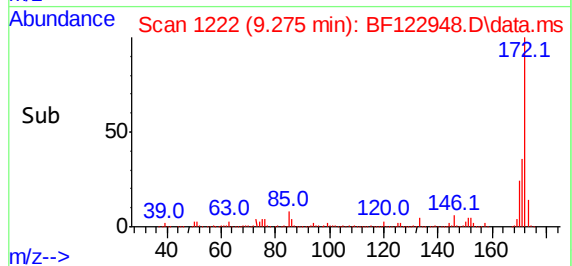
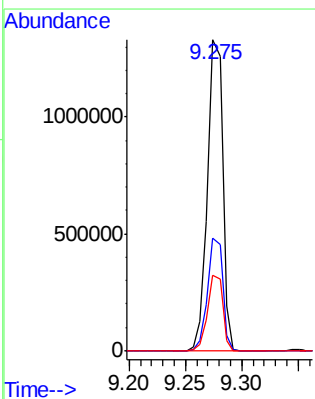
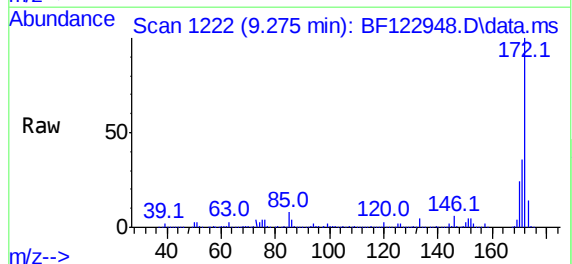
Instrument :
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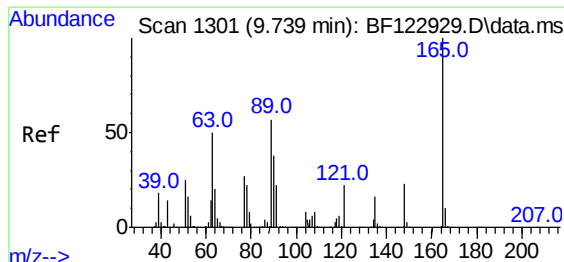
Tgt Ion:330 Resp: 299050
Ion Ratio Lower Upper
330 100
332 94.2 77.5 116.3
141 32.0 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 48.67 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:172 Resp: 1228404
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 24.3 19.5 29.3

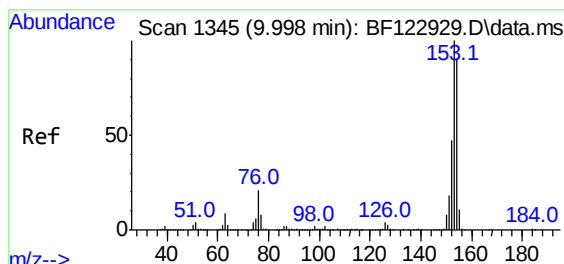
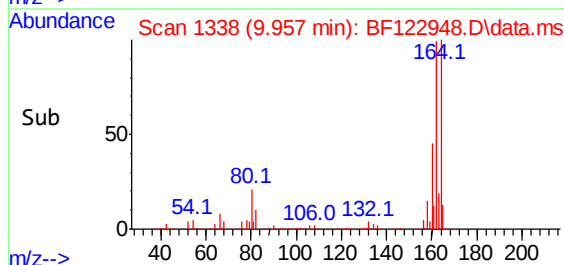
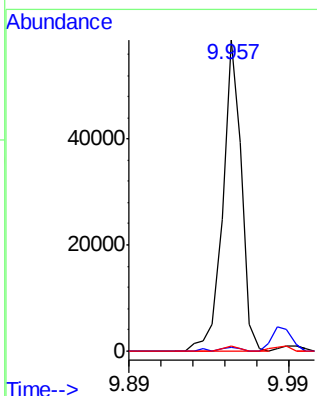
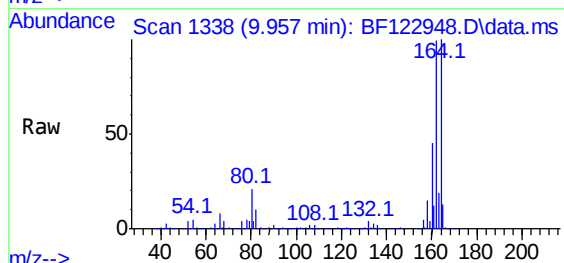




#51
2,6-Dinitrotoluene
Concen: 8.46 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.217 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

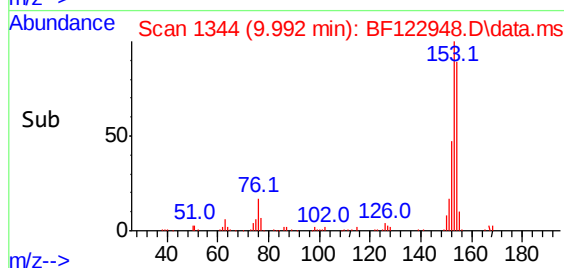
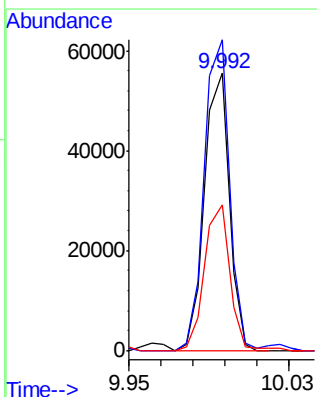
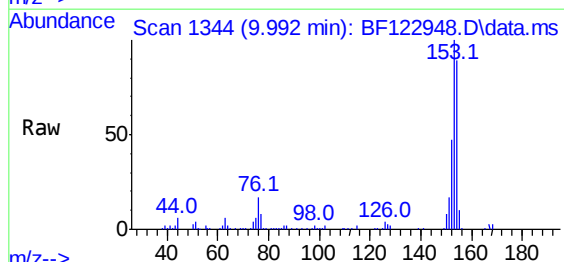
Instrument :
BNA_F
ClientSampleId :
11939

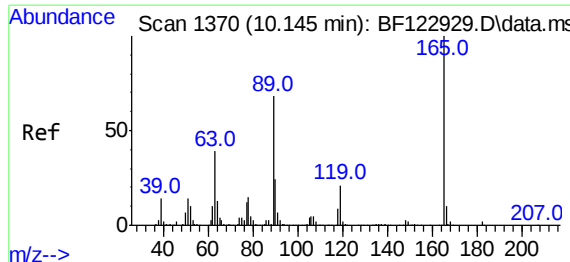
Tgt Ion:165 Resp: 48172
Ion Ratio Lower Upper
165 100
63 1.1 36.6 55.0#
89 1.4 39.4 59.0#



#52
Acenaphthene
Concen: 2.08 ng
RT: 9.992 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:154 Resp: 47319
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.6
152 52.6 42.7 64.1

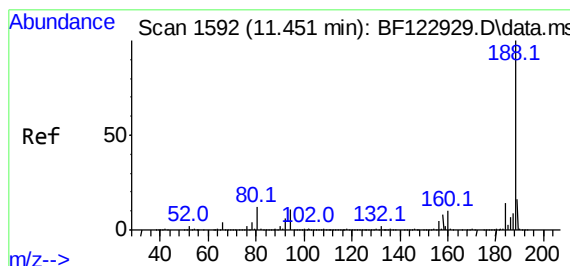
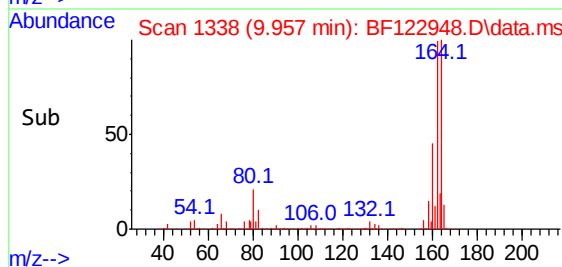
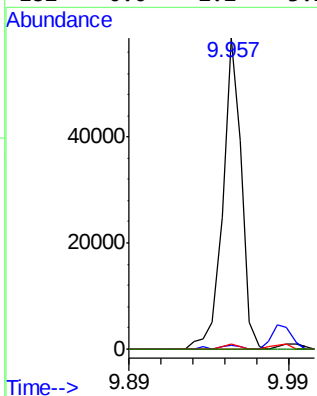
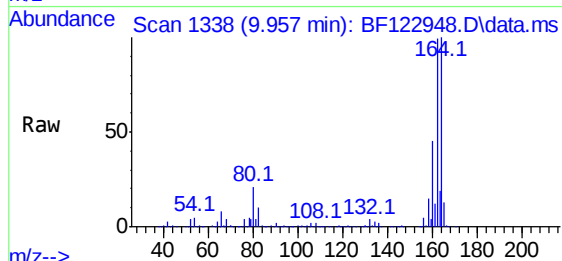




#57
2,4-Dinitrotoluene
Concen: 6.62 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

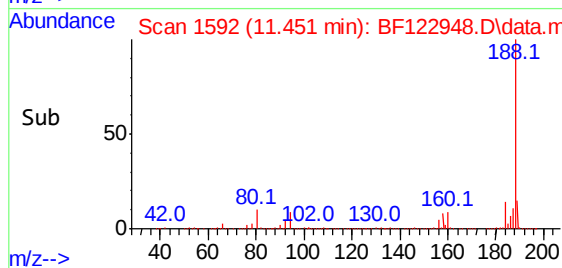
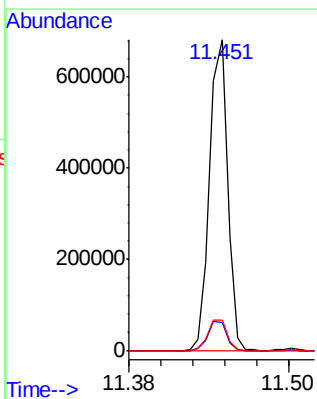
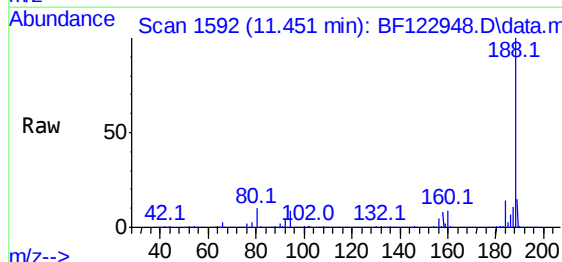
Instrument :
BNA_F
ClientSampleId :
11939

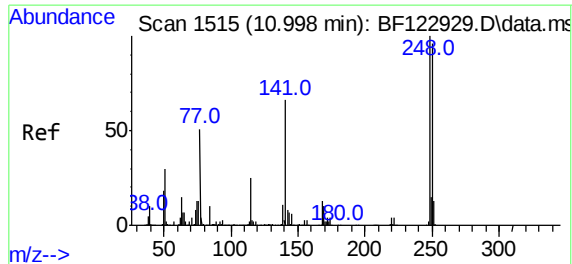
Tgt Ion:165 Resp: 48172
Ion Ratio Lower Upper
165 100
63 1.1 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:188 Resp: 625608
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 9.7 8.2 12.4



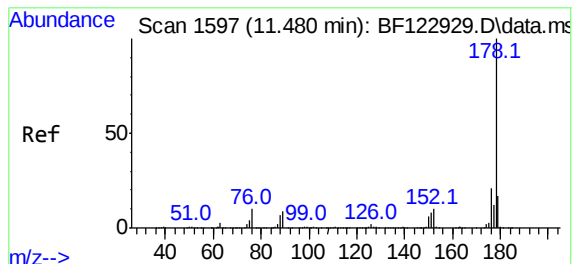
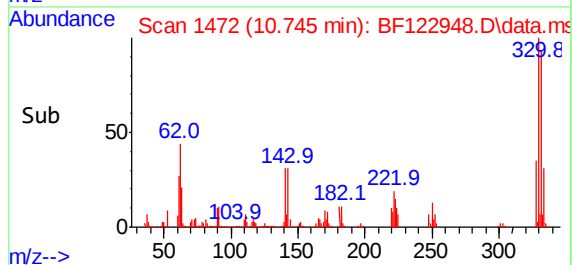
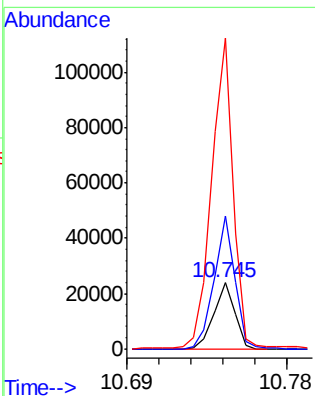
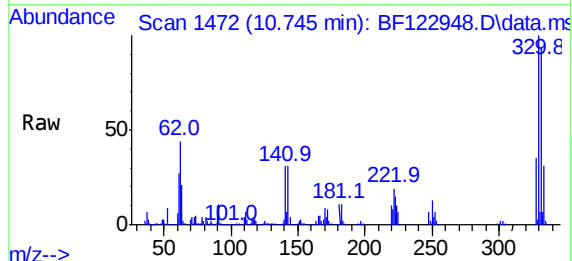


#67
4-Bromophenyl-phenylether
Concen: 2.58 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Instrument :
BNA_F
ClientSampleId :
11939

Tgt Ion:248 Resp: 19485

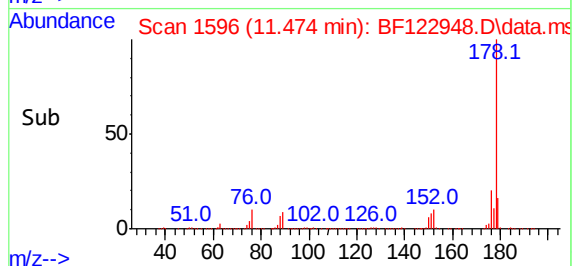
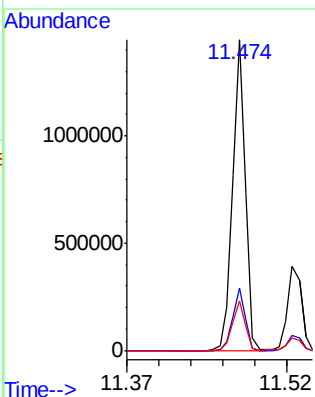
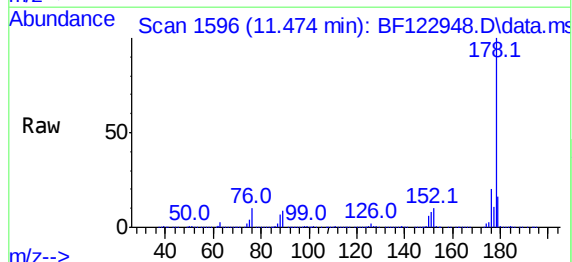
Ion	Ratio	Lower	Upper
248	100		
250	201.6	76.8	115.2#
141	471.4	59.8	89.8#

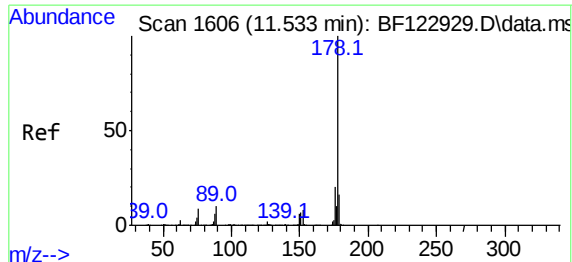


#71
Phenanthrene
Concen: 32.75 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:178 Resp: 1160825

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.2
179	16.2	12.7	19.1

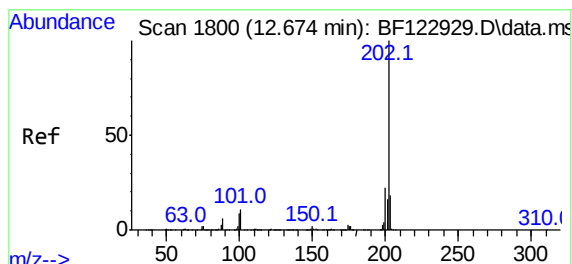
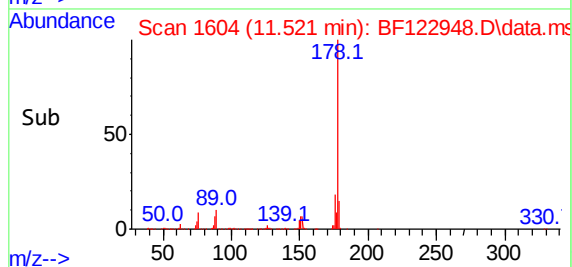
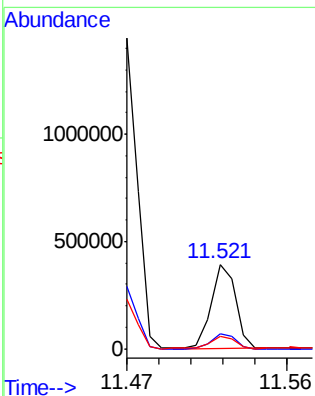
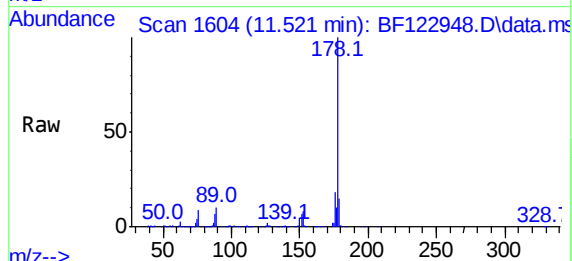




#72
 Anthracene
 Concen: 9.45 ng
 RT: 11.521 min Scan# 1604
 Delta R.T. -0.012 min
 Lab File: BF122948.D
 Acq: 8 Jan 2021 19:03

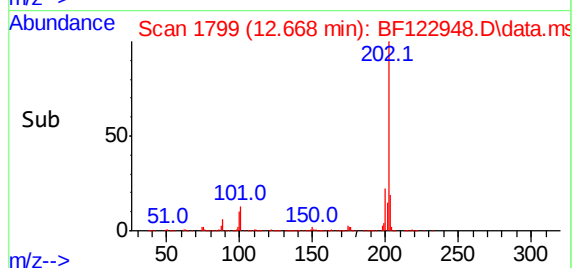
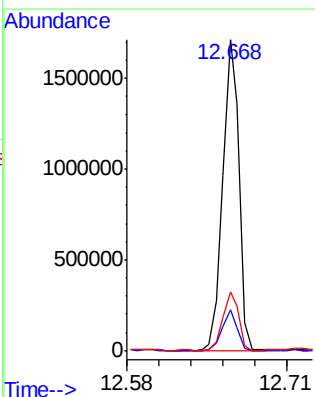
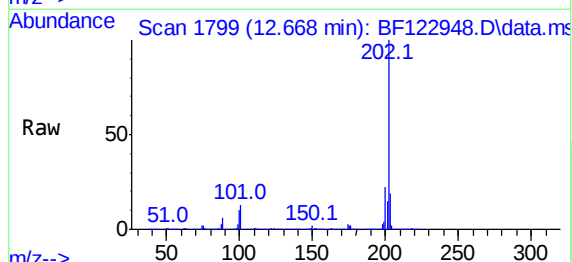
Instrument :
 BNA_F
 ClientSampleId :
 11939

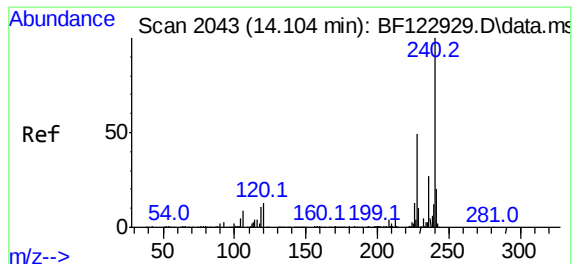
Tgt Ion:178 Resp: 331971
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.6 23.4
 179 15.5 12.8 19.2



#75
 Fluoranthene
 Concen: 42.16 ng
 RT: 12.668 min Scan# 1799
 Delta R.T. -0.006 min
 Lab File: BF122948.D
 Acq: 8 Jan 2021 19:03

Tgt Ion:202 Resp: 1590696
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 32.2
 203 18.8 0.0 38.1

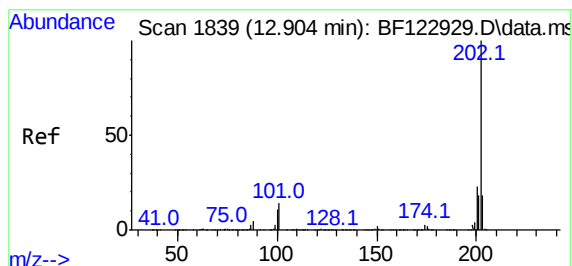
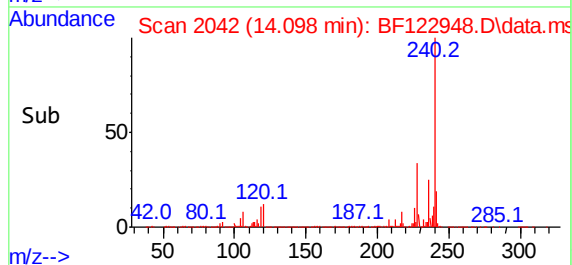
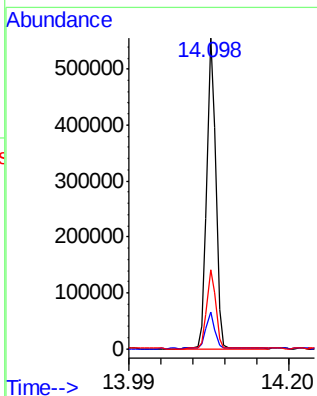
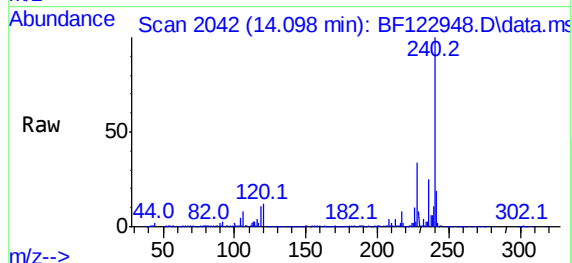




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

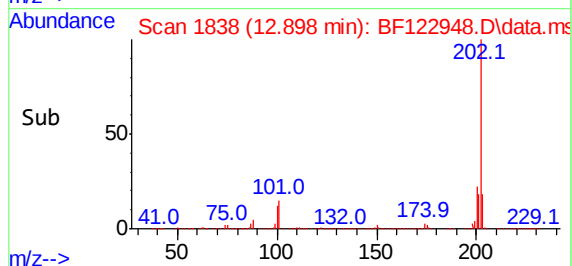
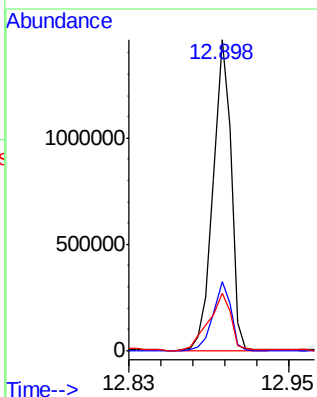
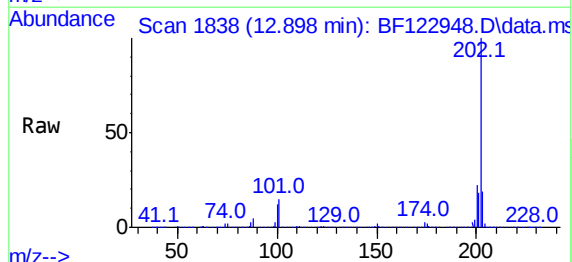
Instrument :
BNA_F
ClientSampleId :
11939

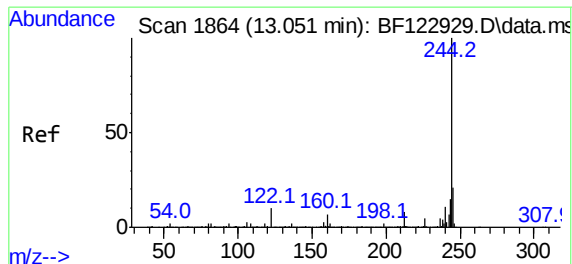
Tgt Ion:240 Resp: 465241
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 25.4 20.3 30.5



#78
Pyrene
Concen: 36.95 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:202 Resp: 1336345
Ion Ratio Lower Upper
202 100
200 22.3 17.6 26.4
203 18.5 14.6 21.8

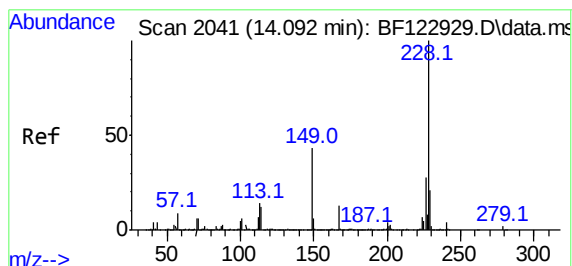
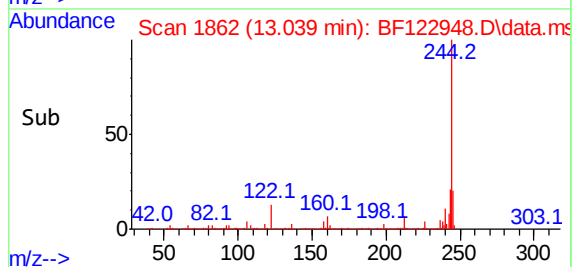
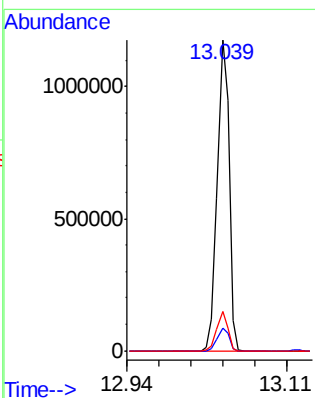
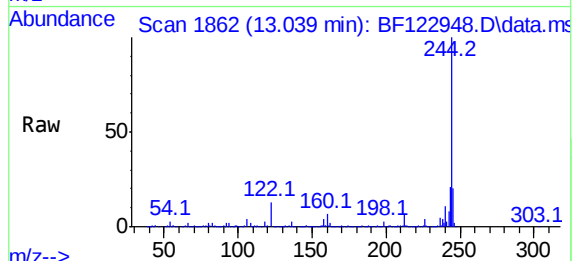




#79
Terphenyl-d14
Concen: 41.53 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

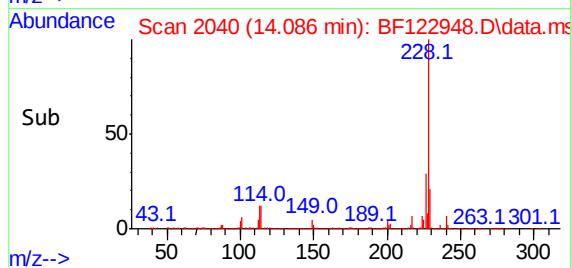
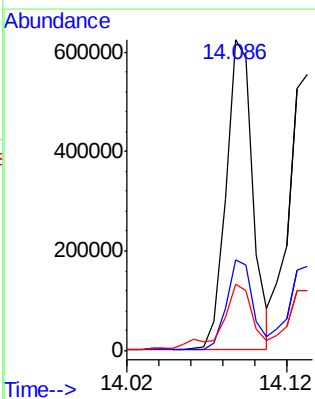
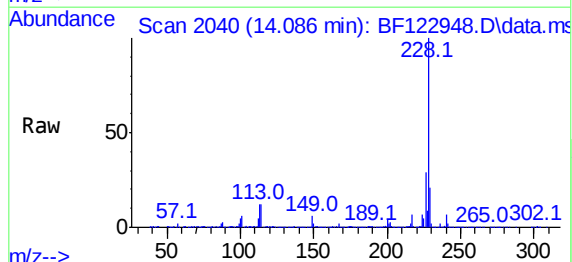
Instrument :
BNA_F
ClientSampled :
11939

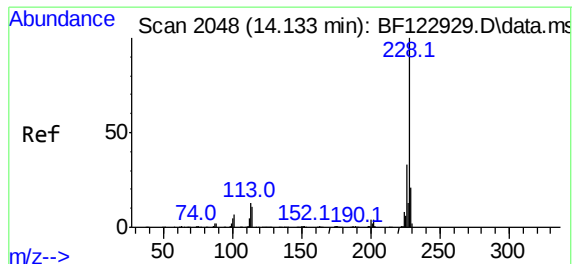
Tgt Ion:244 Resp: 1042756
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 12.7 8.3 12.5#



#81
Benzo(a)anthracene
Concen: 20.88 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:228 Resp: 652003
Ion Ratio Lower Upper
228 100
226 29.2 23.0 34.4
229 21.3 16.6 24.8

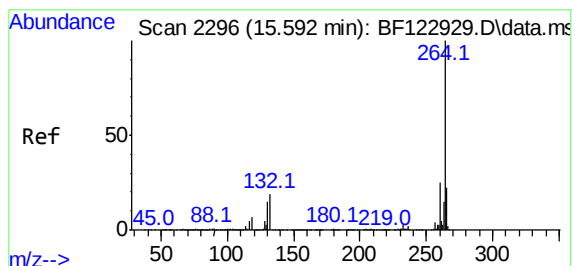
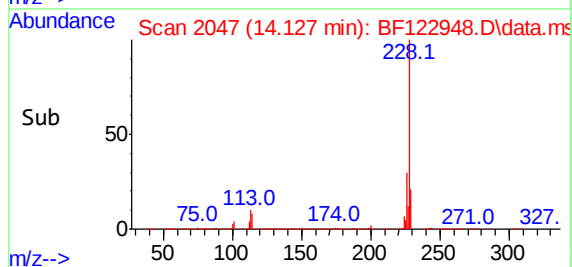
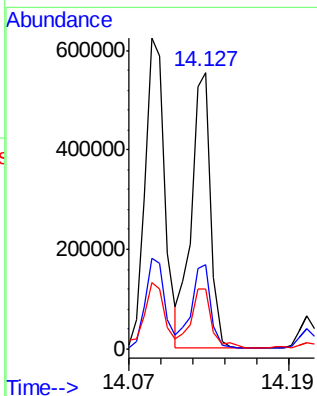
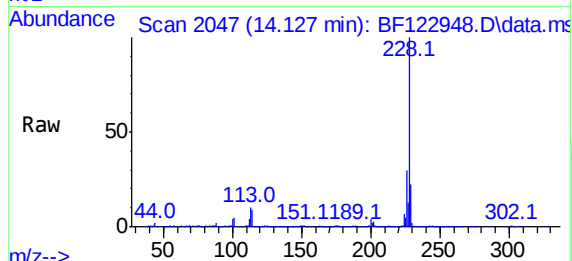




#83
Chrysene
Concen: 18.58 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

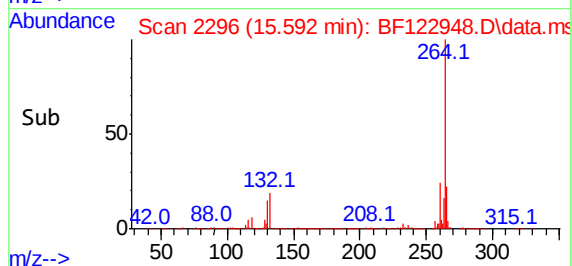
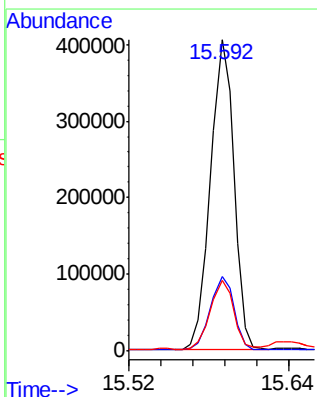
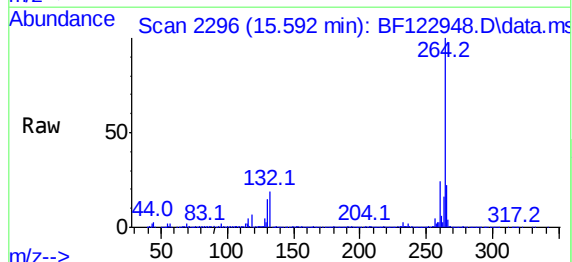
Instrument :
BNA_F
ClientSampleId :
11939

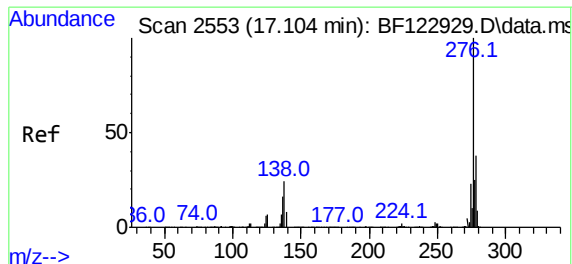
Tgt Ion:228 Resp: 559195
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 21.8 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.592 min Scan# 2296
Delta R.T. -0.000 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Tgt Ion:264 Resp: 488879
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.4 17.0 25.6



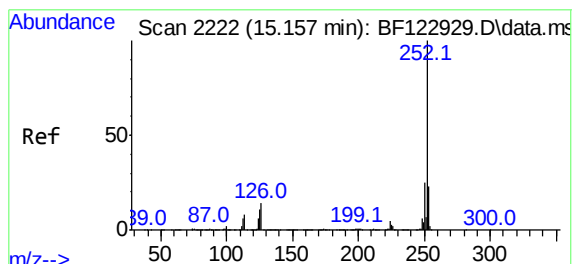
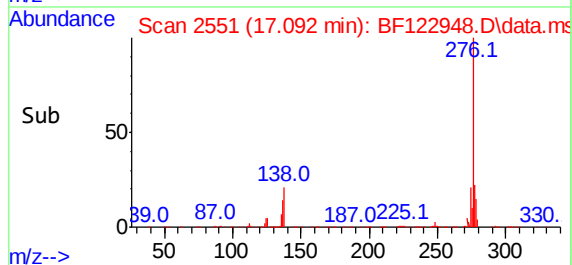
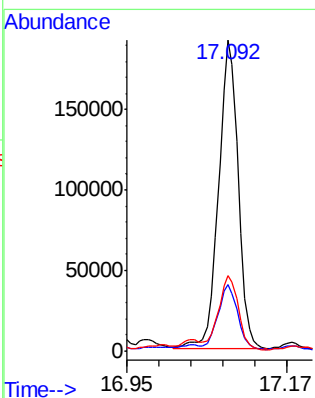
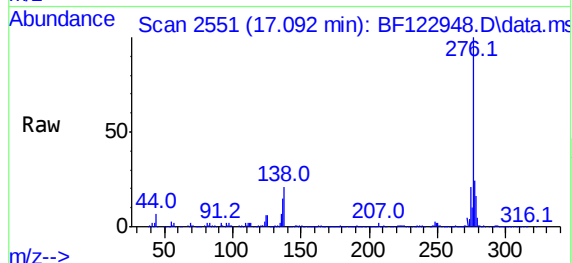


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.60 ng
 RT: 17.092 min Scan# 2551
 Delta R.T. -0.012 min
 Lab File: BF122948.D
 Acq: 8 Jan 2021 19:03

Instrument :
 BNA_F
 ClientSampleId :
 11939

Tgt Ion:276 Resp: 366650

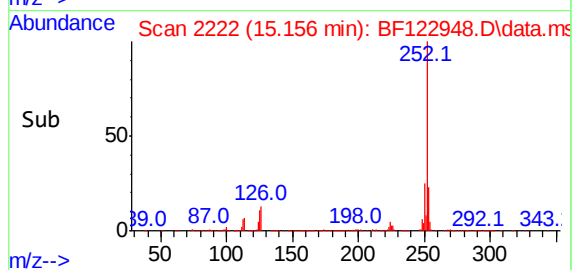
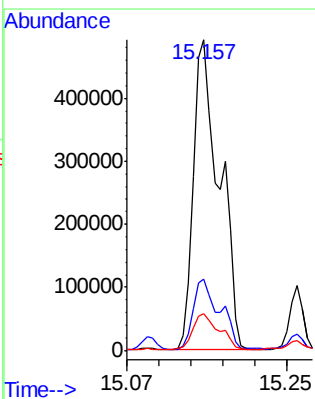
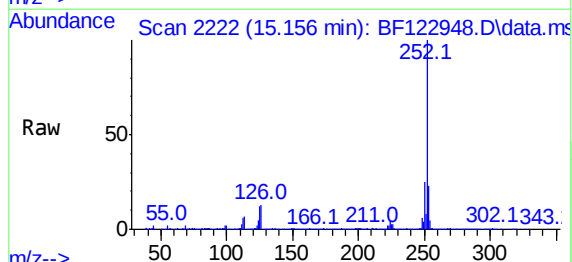
Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.7	28.1
277	23.9	20.2	30.4

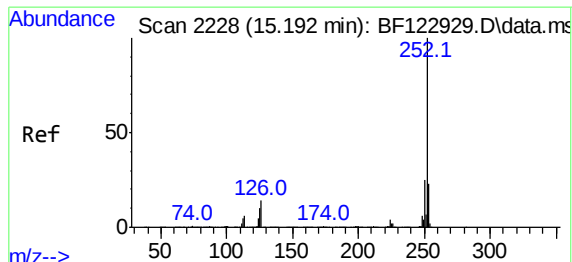


#88
 Benzo(b)fluoranthene
 Concen: 28.82 ng
 RT: 15.156 min Scan# 2222
 Delta R.T. -0.000 min
 Lab File: BF122948.D
 Acq: 8 Jan 2021 19:03

Tgt Ion:252 Resp: 990329

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	11.8	8.1	12.1

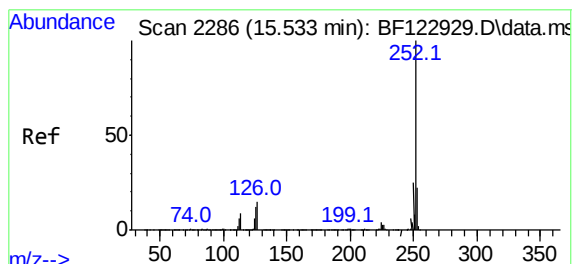
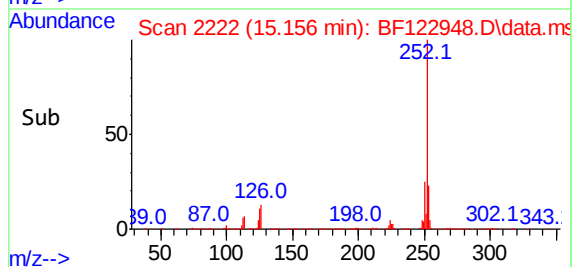
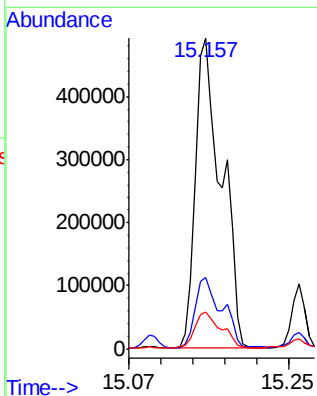
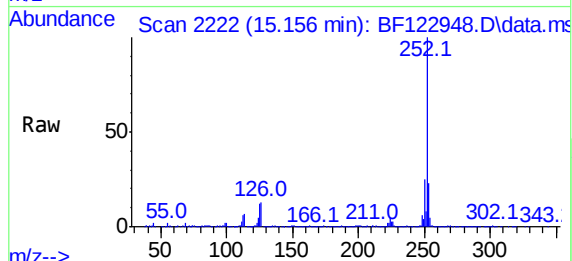




#89
Benzo(k)fluoranthene
Concen: 31.30 ng
RT: 15.156 min Scan# 2222
Delta R.T. -0.035 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

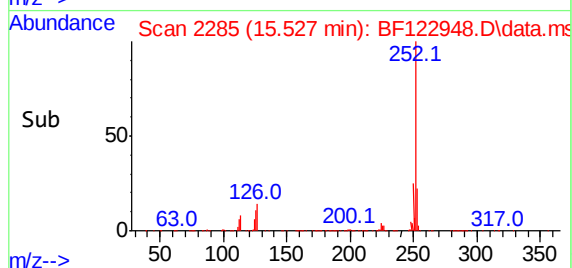
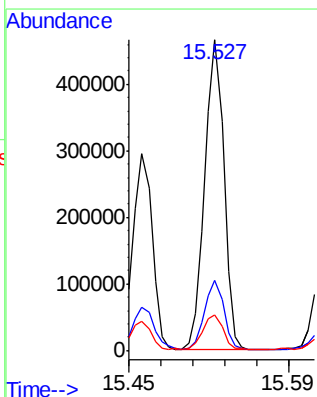
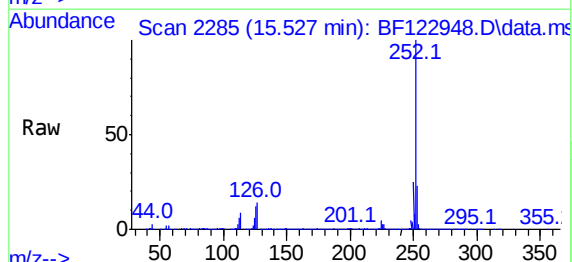
Instrument :
BNA_F
ClientSampleId :
11939

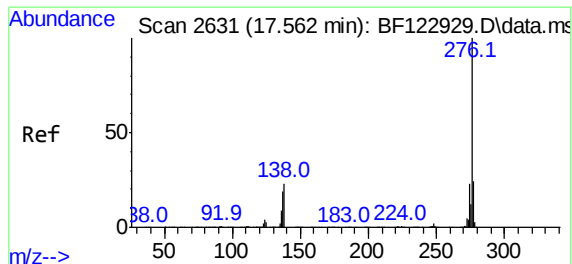
Tgt Ion:252 Resp: 990329
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.8 8.4 12.6



#90
Benzo(a)pyrene
Concen: 18.15 ng
RT: 15.527 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

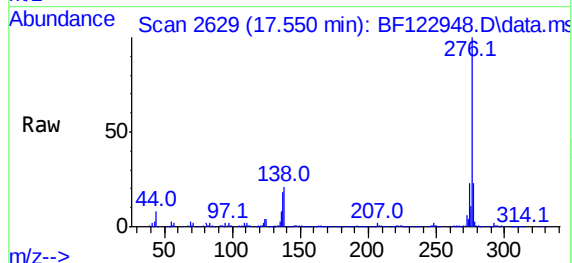
Tgt Ion:252 Resp: 548197
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.6 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 13.35 ng
RT: 17.550 min Scan# 2629
Delta R.T. -0.012 min
Lab File: BF122948.D
Acq: 8 Jan 2021 19:03

Instrument :
BNA_F
ClientSampleId :
11939



Tgt Ion:276 Resp: 329376
Ion Ratio Lower Upper
276 100
277 23.1 19.3 28.9
138 21.1 16.6 24.8

