

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010821\
 Data File : BF122947.D
 Acq On : 8 Jan 2021 18:32
 Operator : JU/CG
 Sample : M1044-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Jan 08 23:31:01 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

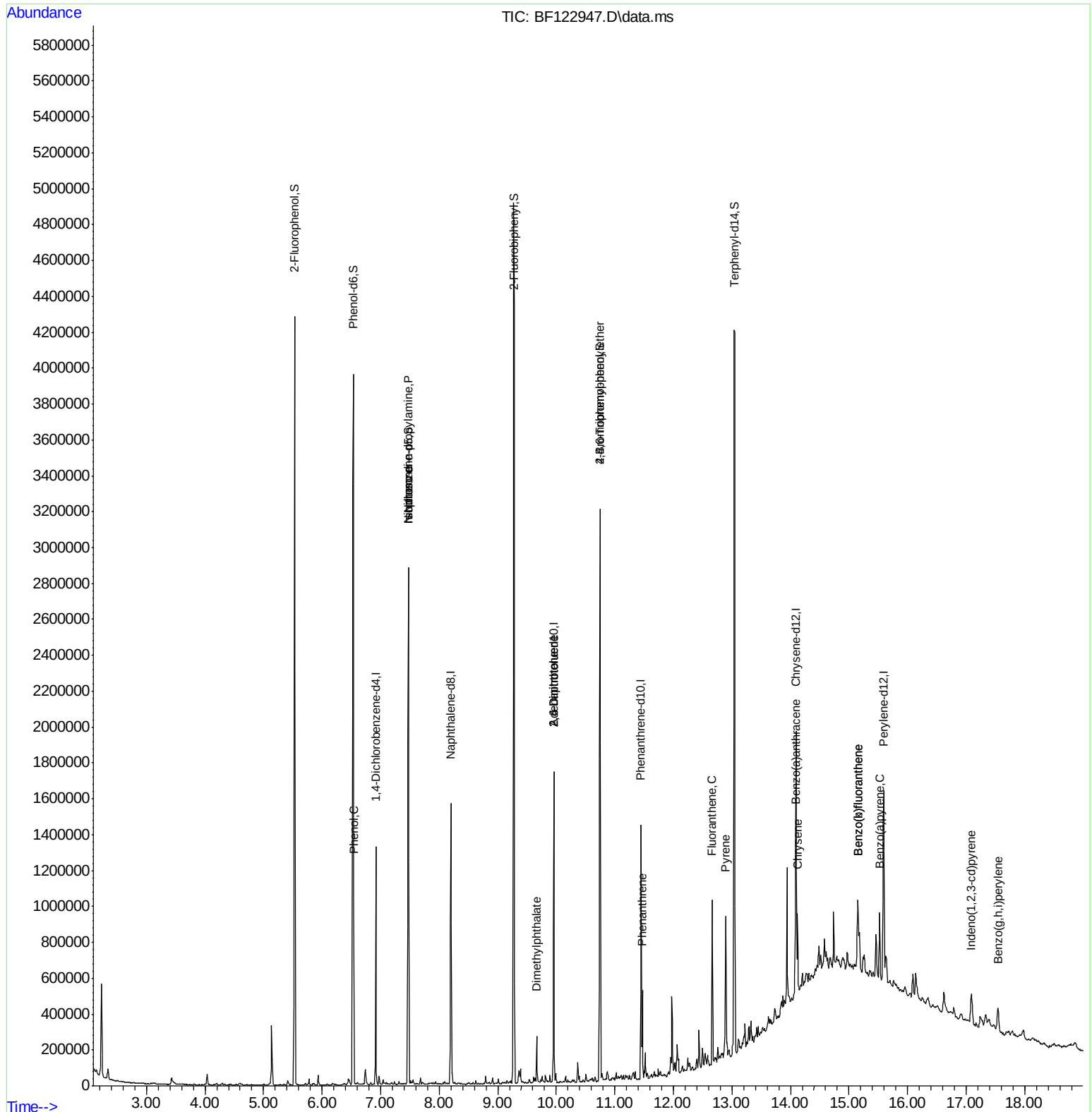
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	175010	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	642285	20.00	ng	0.00
39) Acenaphthene-d10	9.957	164	321605	20.00	ng	0.00
64) Phenanthrene-d10	11.445	188	534348	20.00	ng	0.00
76) Chrysene-d12	14.098	240	424137	20.00	ng	0.00
86) Perylene-d12	15.592	264	477889	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1225067	105.09	ng	0.00
7) Phenol-d6	6.534	99	1511424	95.54	ng	0.00
23) Nitrobenzene-d5	7.475	82	888878	68.43	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	366491	100.89	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	1541582	67.95	ng	0.00
79) Terphenyl-d14	13.045	244	1336011	58.36	ng	0.00
Target Compounds						
9) Benzaldehyde	6.463	77	2854	Below Cal		98
10) Phenol	6.540	94	33566	2.14 ng		80
19) n-Nitroso-di-n-propyla...	7.475	70	117359	12.16 ng	#	78
25) Isophorone	7.475	82	888633	38.15 ng	#	65
50) Dimethylphthalate	9.669	163	102253	4.27 ng		100
51) 2,6-Dinitrotoluene	9.957	165	43029	8.41 ng	#	31
57) 2,4-Dinitrotoluene	9.957	165	43029	6.58 ng	#	26
67) 4-Bromophenyl-phenylether	10.745	248	23467	3.63 ng	#	1
71) Phenanthrene	11.469	178	174016	5.75 ng		98
75) Fluoranthene	12.663	202	339849	10.55 ng		99
78) Pyrene	12.892	202	324852	9.85 ng		98
81) Benzo(a)anthracene	14.086	228	191025	6.71 ng		99
83) Chrysene	14.121	228	159295	5.81 ng		97
87) Indeno(1,2,3-cd)pyrene	17.086	276	114754	3.72 ng		97
88) Benzo(b)fluoranthene	15.151	252	311815	9.28 ng	#	94
89) Benzo(k)fluoranthene	15.151	252	311815	10.08 ng	#	94
90) Benzo(a)pyrene	15.521	252	179697	6.09 ng	#	91
92) Benzo(g,h,i)perylene	17.545	276	103378	4.29 ng		97

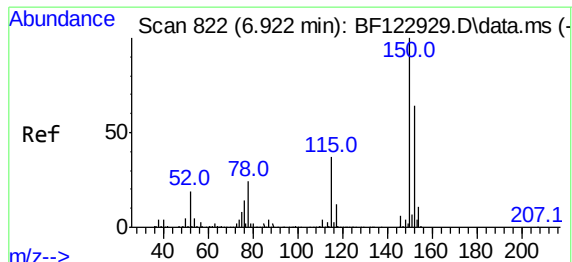
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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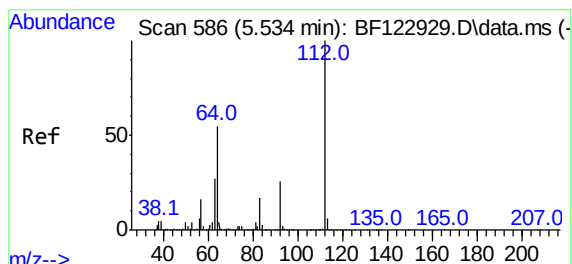
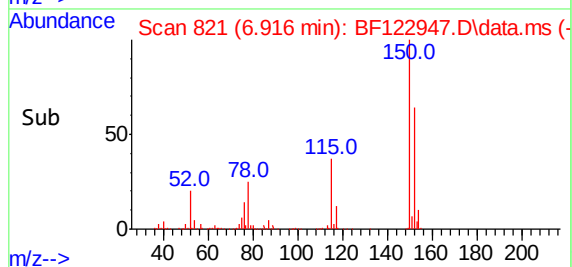
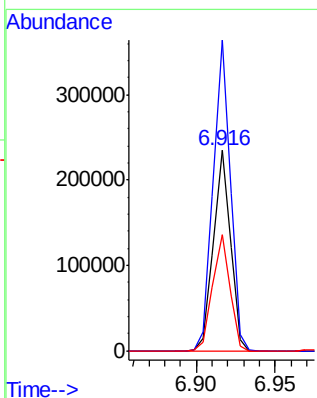
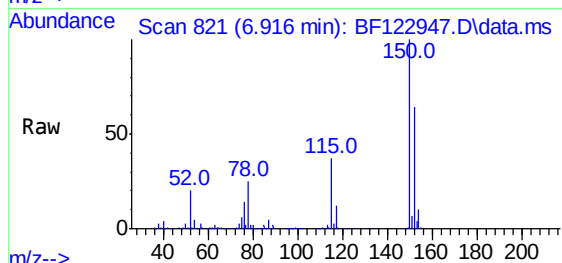




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

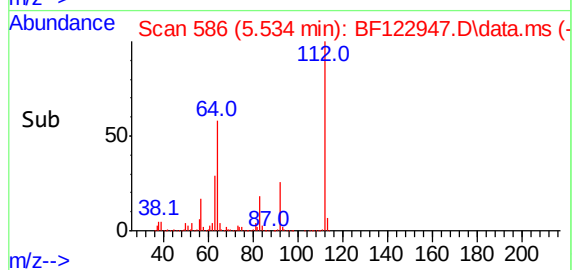
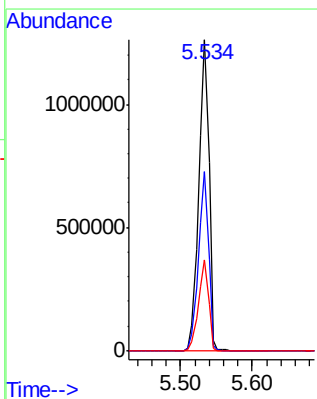
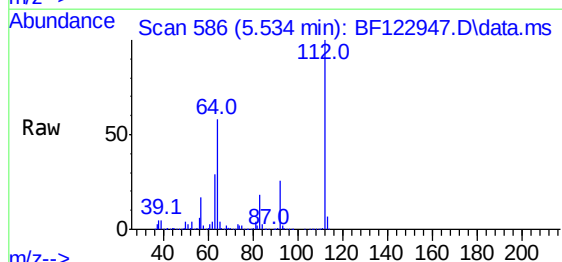
Instrument :
BNA_F
ClientSampleId :
TP-4

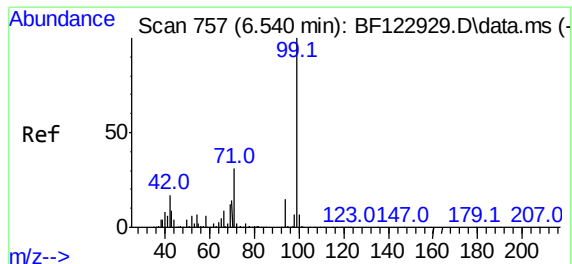
Tgt Ion:152 Resp: 175010
Ion Ratio Lower Upper
152 100
150 155.2 125.8 188.6
115 57.8 49.3 73.9



#5
2-Fluorophenol
Concen: 105.09 ng
RT: 5.534 min Scan# 586
Delta R.T. -0.000 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:112 Resp: 1225067
Ion Ratio Lower Upper
112 100
64 57.8 46.9 70.3
63 29.1 24.5 36.7



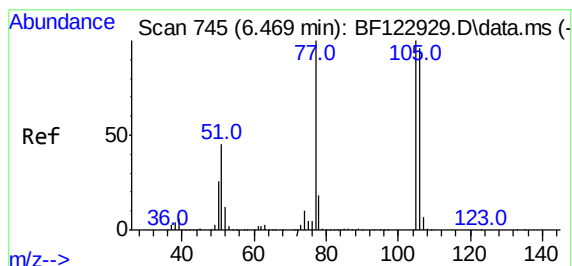
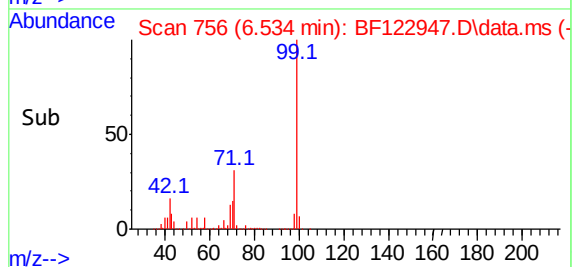
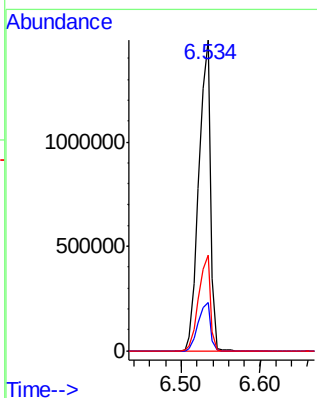
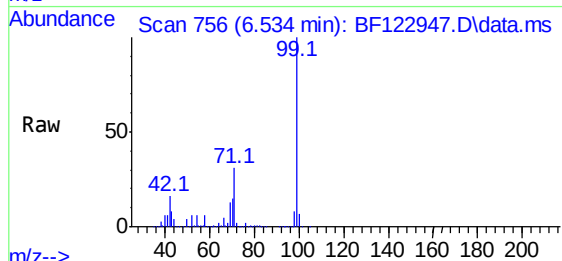


#7
Phenol-d6
Concen: 95.54 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 1511424

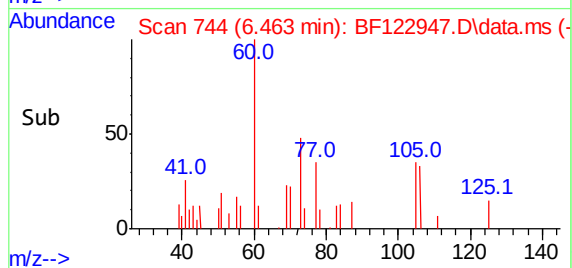
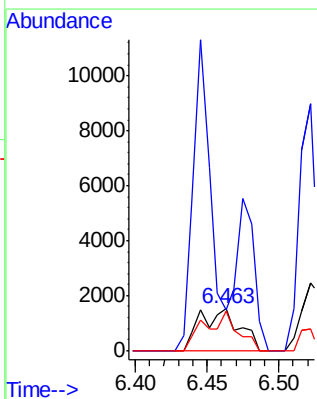
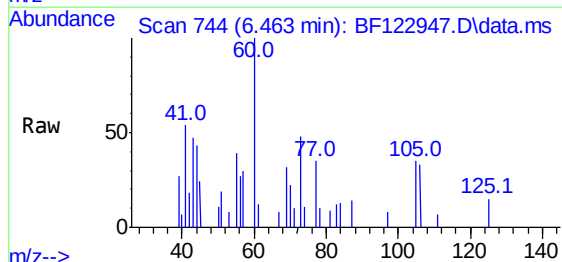
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.8	20.6
71	30.8	26.9	40.3

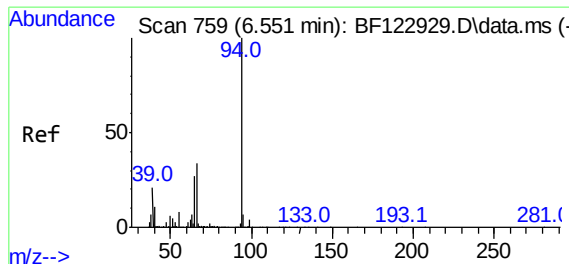


#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion: 77 Resp: 2854

Ion	Ratio	Lower	Upper
77	100		
105	99.3	80.6	120.6
106	94.2	77.2	117.2

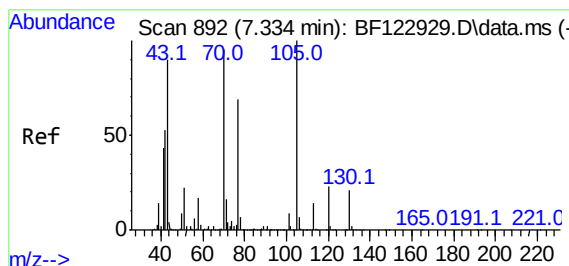
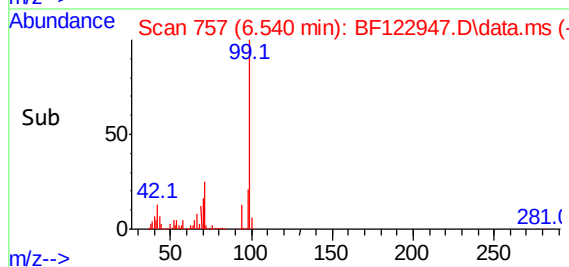
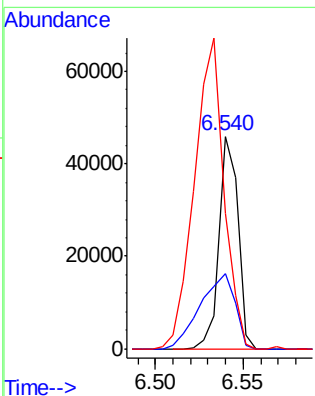
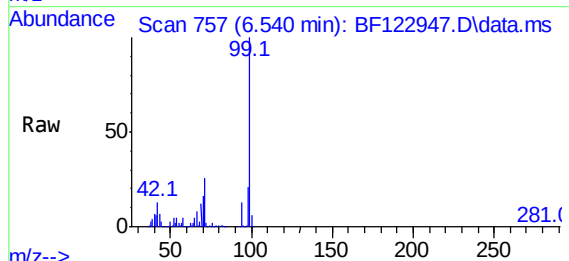




#10
Phenol
Concen: 2.14 ng
RT: 6.540 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

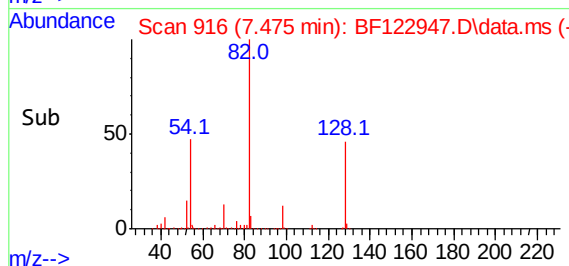
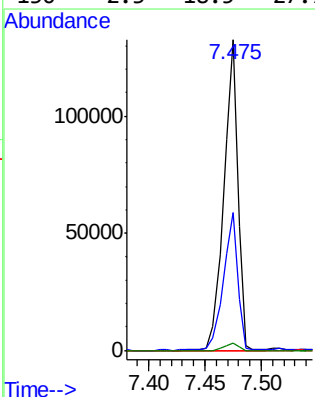
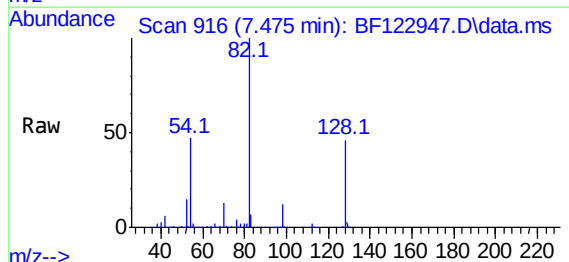
Instrument :
BNA_F
ClientSampleId :
TP-4

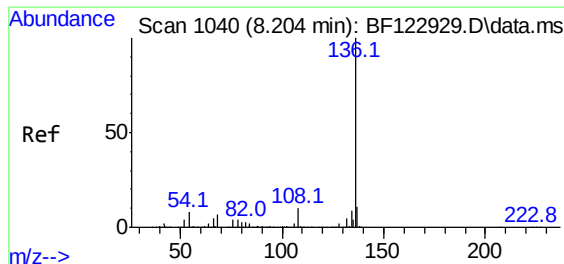
Tgt Ion: 94 Resp: 33566
Ion Ratio Lower Upper
94 100
65 35.7 11.2 51.2
66 63.8 25.8 65.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.16 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion: 70 Resp: 117359
Ion Ratio Lower Upper
70 100
42 44.5 43.0 64.4
101 0.0 7.9 11.9#
130 2.3 18.5 27.7#



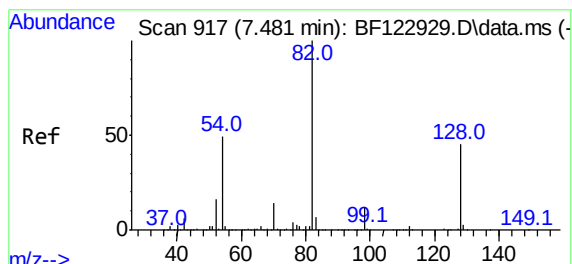
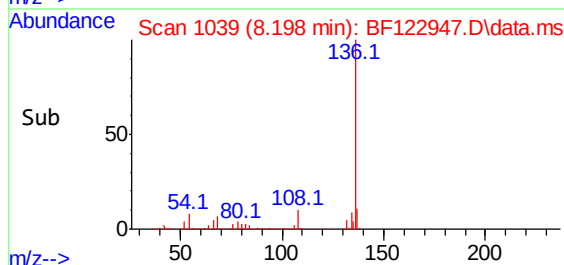
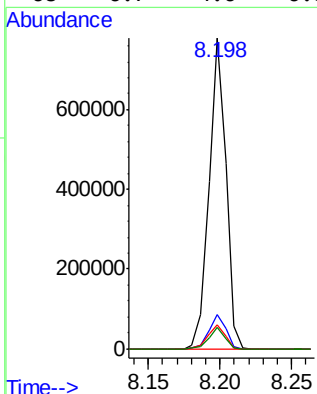
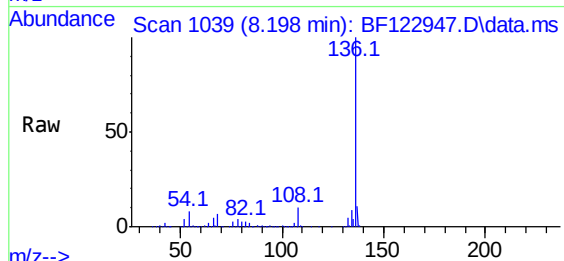


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 642285

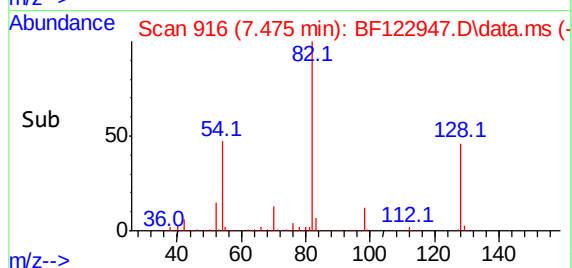
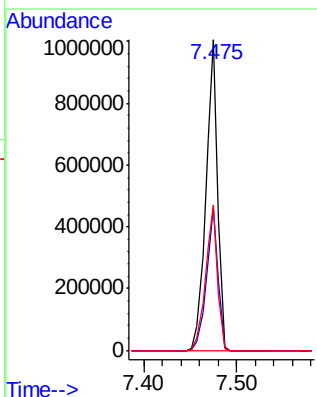
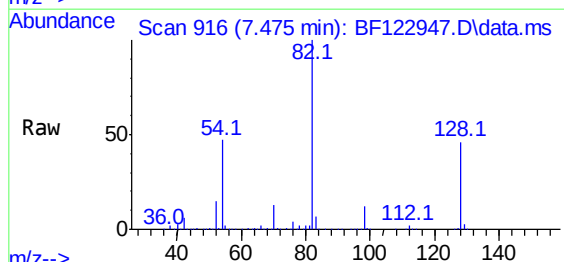
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.8	5.5	8.3
68	6.7	4.6	6.8

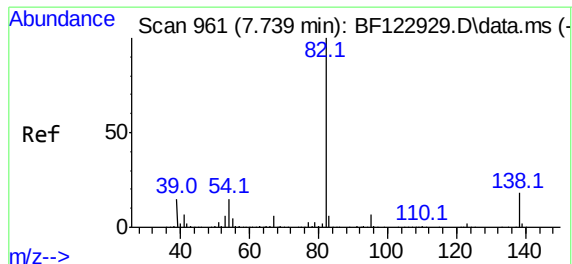


#23
Nitrobenzene-d5
Concen: 68.43 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion: 82 Resp: 888878

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.0	55.4
54	46.7	38.4	57.6

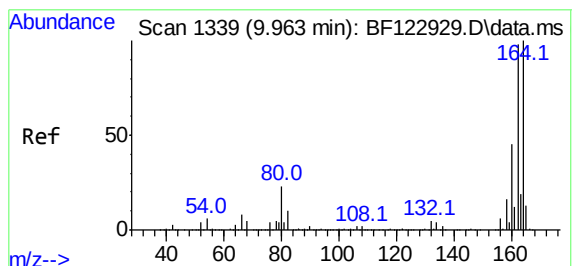
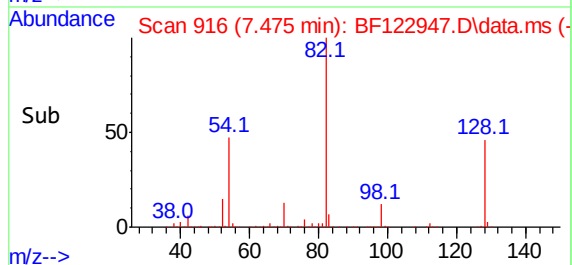
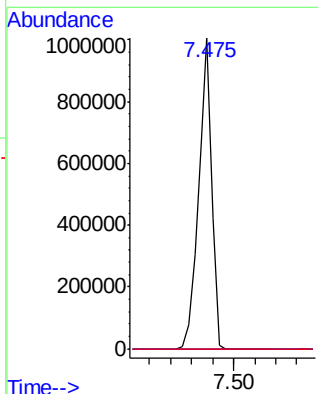
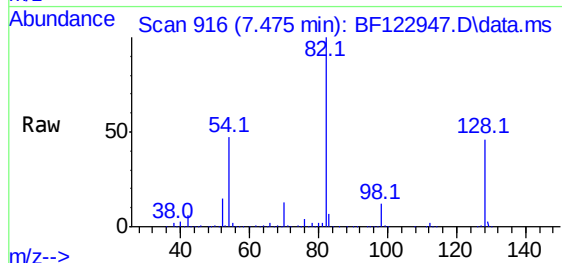




#25
Isophorone
Concen: 38.15 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

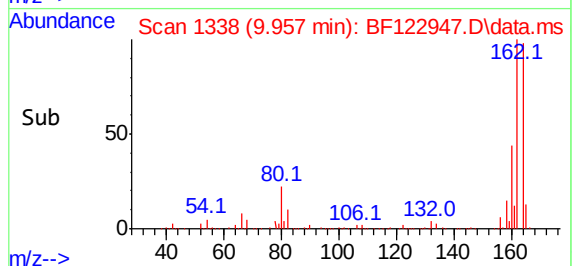
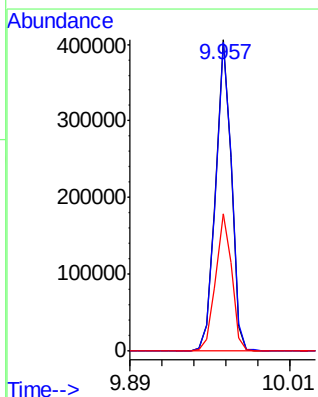
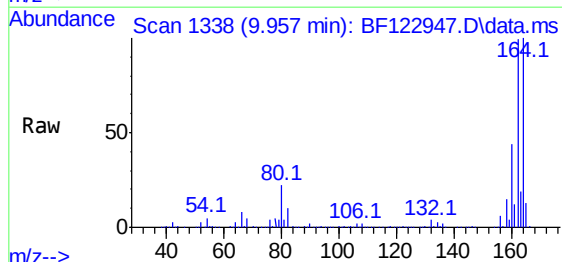
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ClientSampleId :
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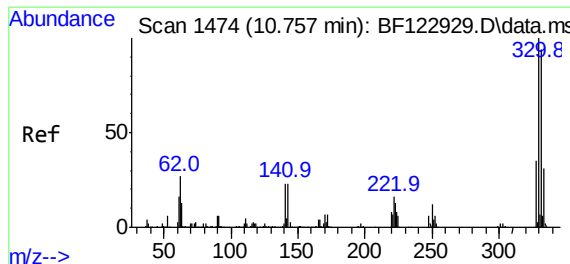
Tgt Ion: 82 Resp: 888633
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:164 Resp: 321605
Ion Ratio Lower Upper
164 100
162 99.2 80.8 121.2
160 44.0 35.4 53.0

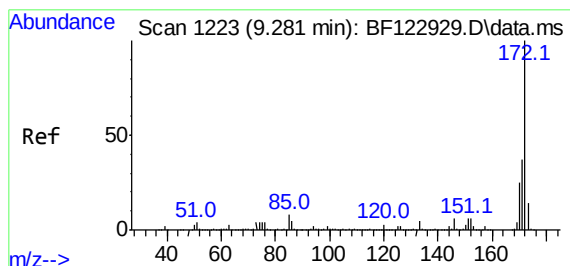
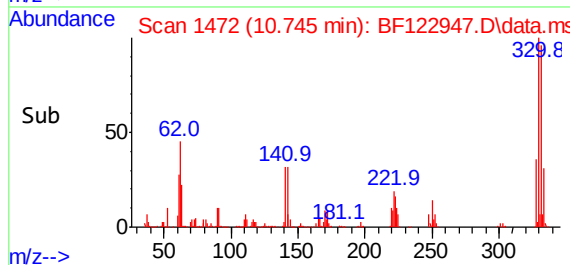
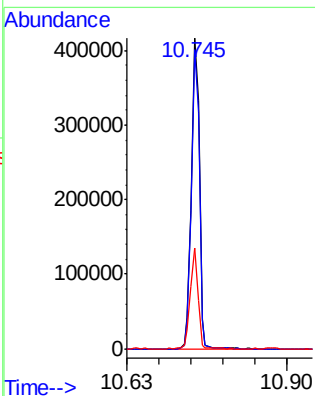
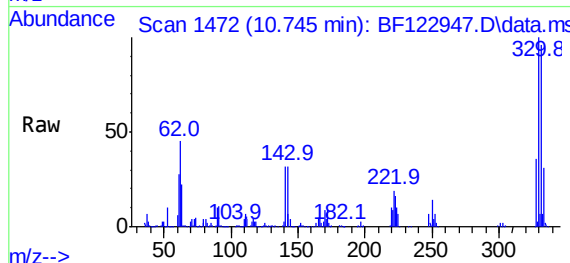




#42
2,4,6-Tribromophenol
Concen: 100.89 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

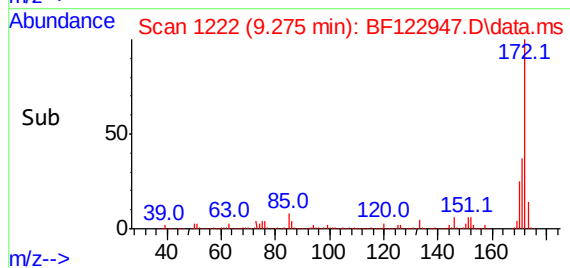
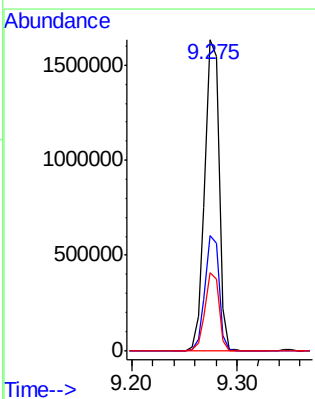
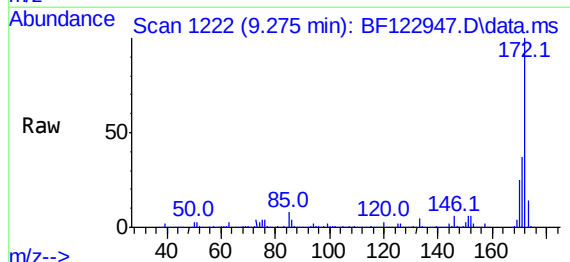
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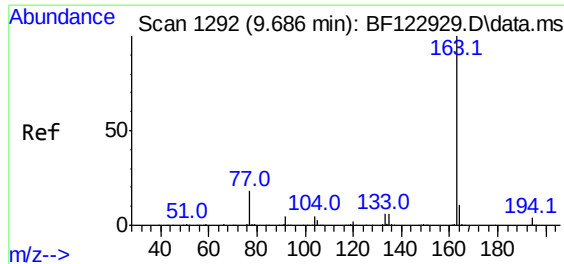
Tgt Ion:330 Resp: 366491
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 31.5 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 67.95 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

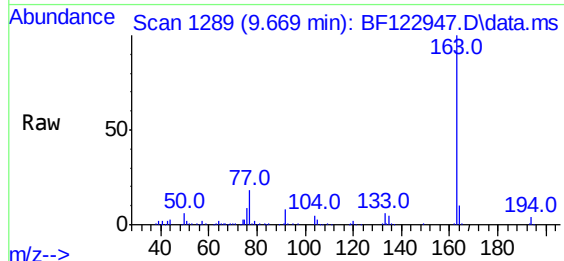
Tgt Ion:172 Resp: 1541582
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 24.9 19.5 29.3



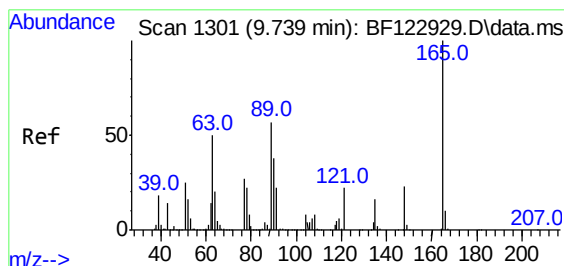
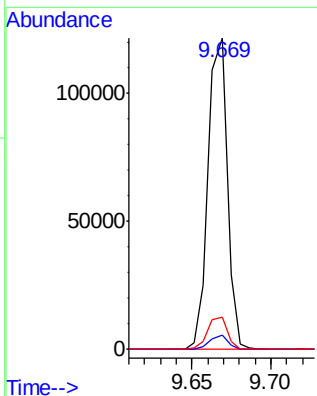
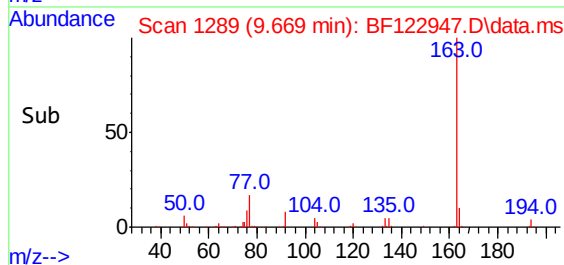


#50
Dimethylphthalate
Concen: 4.27 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Instrument :
BNA_F
ClientSampleId :
TP-4

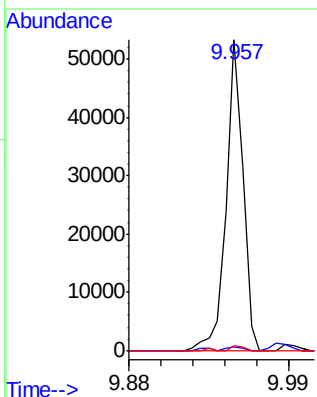
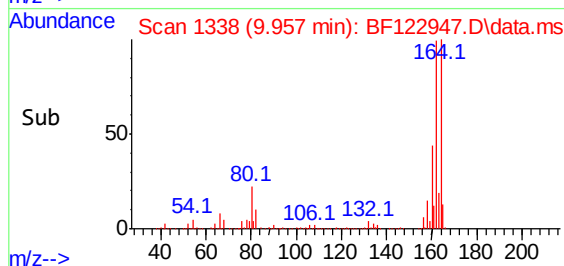
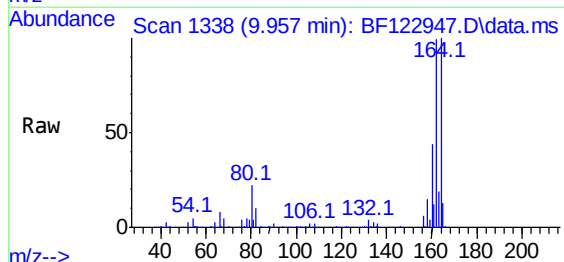


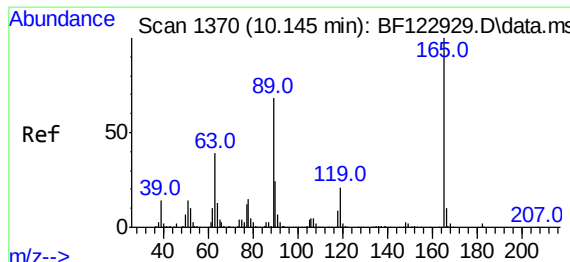
Tgt Ion:163 Resp: 102253
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 10.0 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 8.41 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.218 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:165 Resp: 43029
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.6 39.4 59.0#

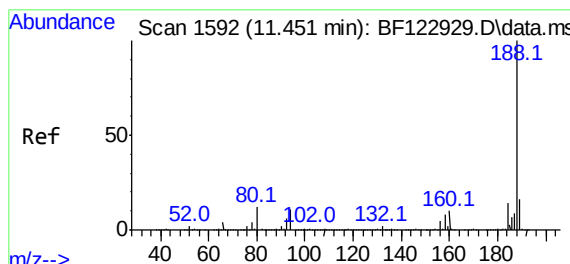
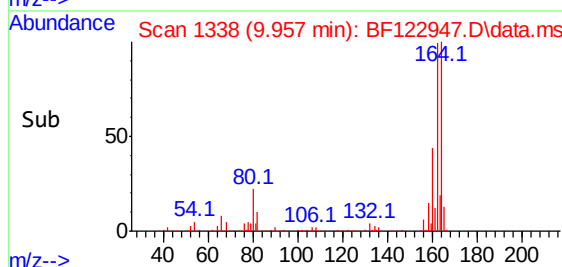
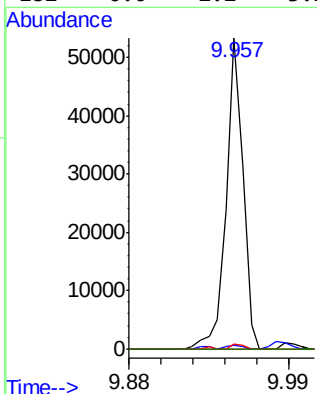
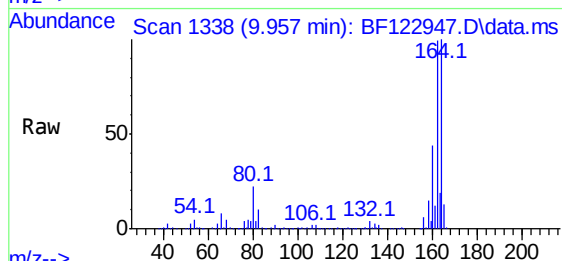




#57
2,4-Dinitrotoluene
Concen: 6.58 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

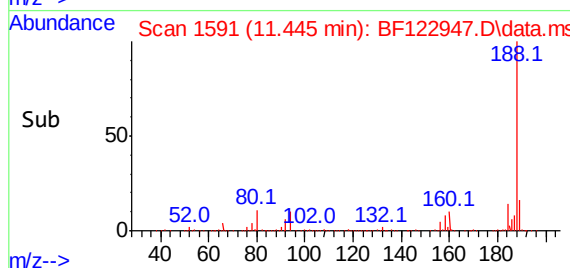
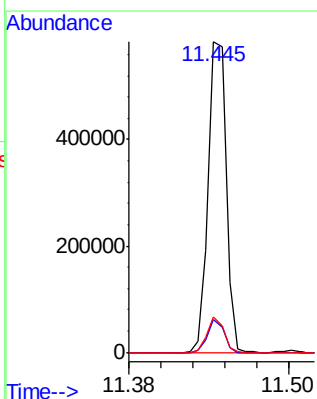
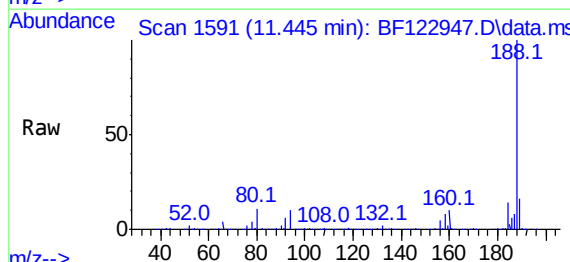
Instrument :
BNA_F
ClientSampled :
TP-4

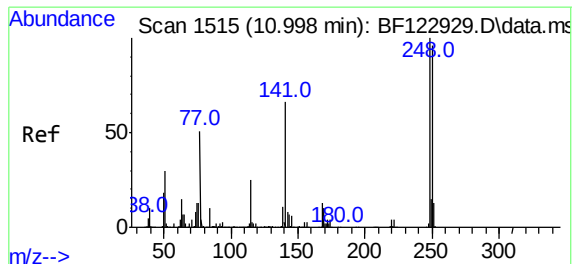
Tgt Ion:165 Resp: 43029
Ion Ratio Lower Upper
165 100
63 1.3 34.3 51.5#
89 1.6 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:188 Resp: 534348
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.2
80 11.4 8.2 12.4

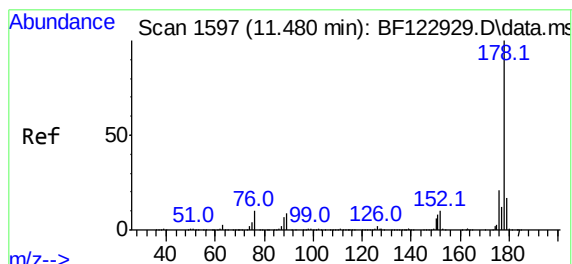
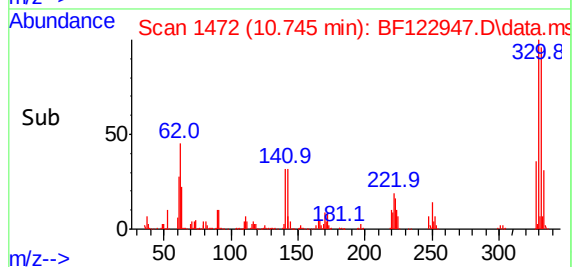
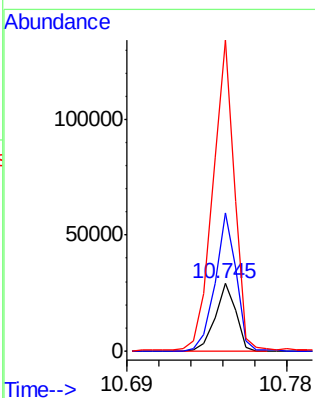
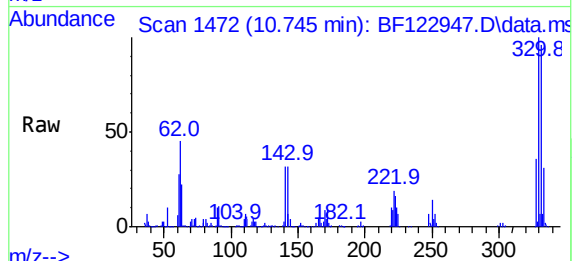




#67
4-Bromophenyl-phenylether
Concen: 3.63 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

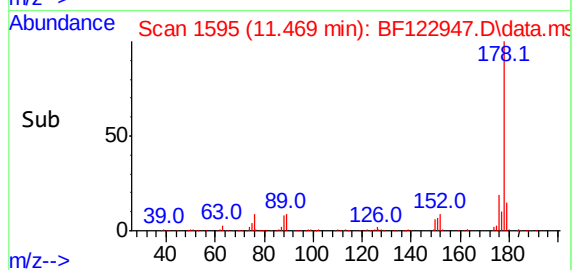
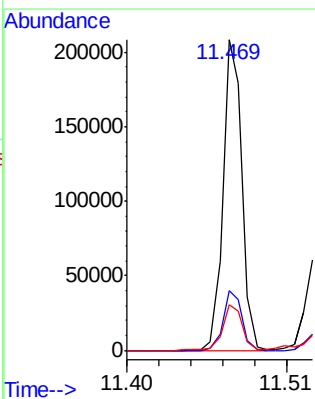
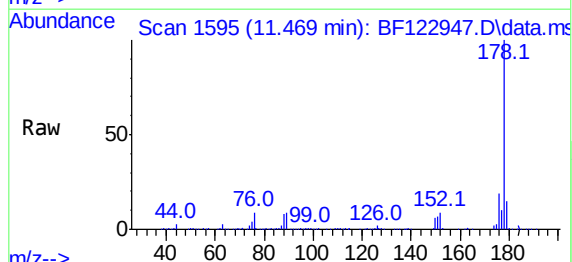
Instrument :
BNA_F
ClientSampleId :
TP-4

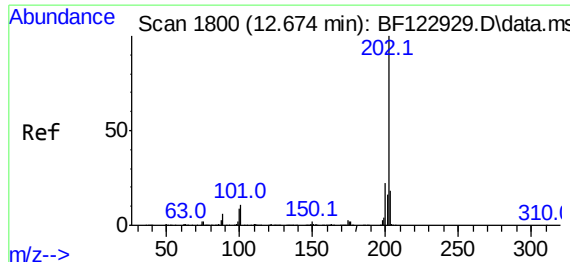
Tgt Ion:248 Resp: 23467
Ion Ratio Lower Upper
248 100
250 205.0 76.8 115.2#
141 463.6 59.8 89.8#



#71
Phenanthrene
Concen: 5.75 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:178 Resp: 174016
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 14.8 12.7 19.1

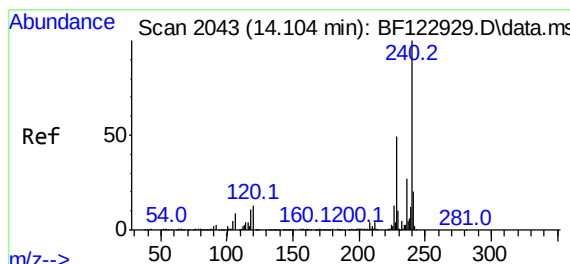
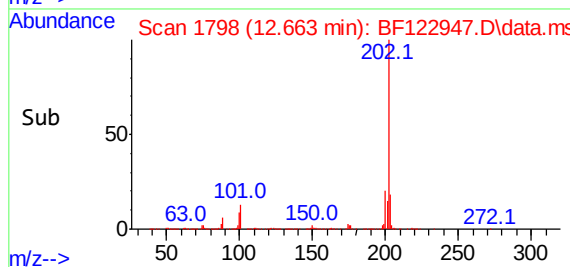
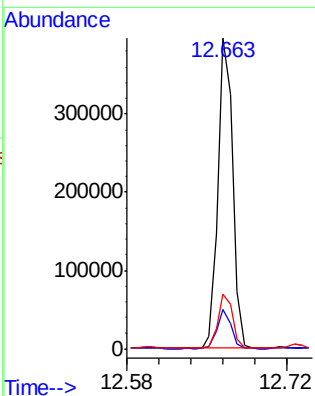
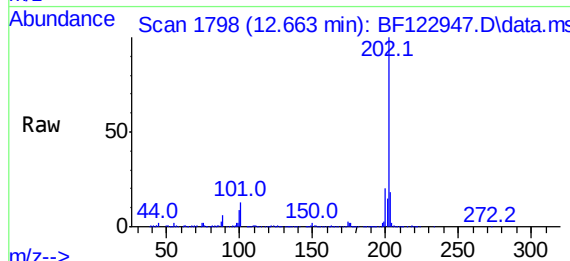




#75
Fluoranthene
Concen: 10.55 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

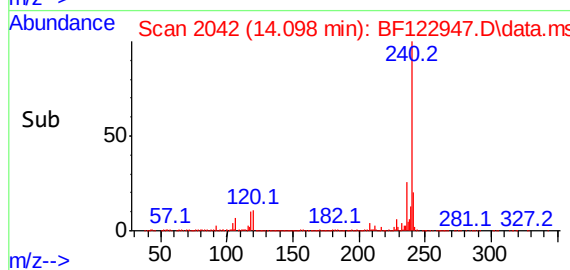
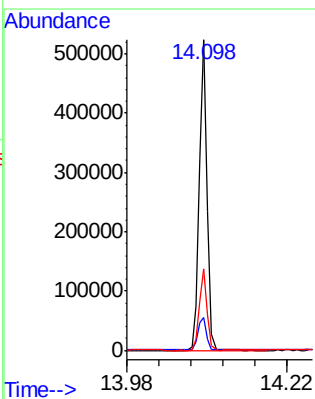
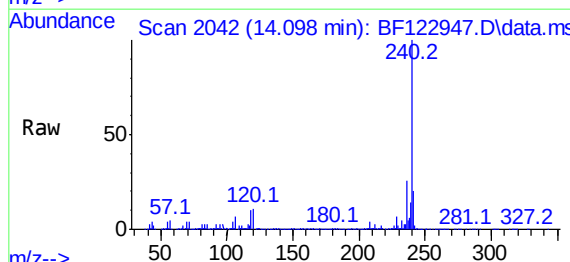
Instrument :
BNA_F
ClientSampleId :
TP-4

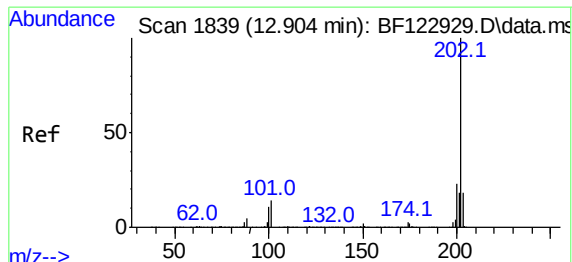
Tgt Ion:202 Resp: 339849
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.2
203 17.6 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:240 Resp: 424137
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.3 20.3 30.5

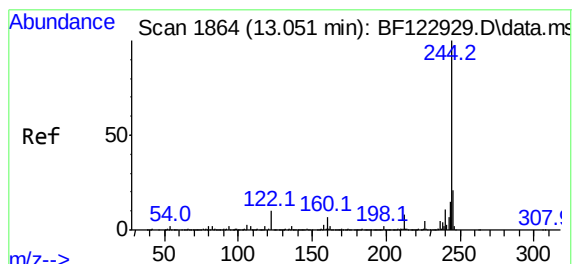
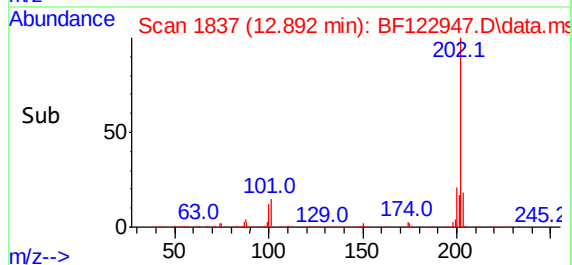
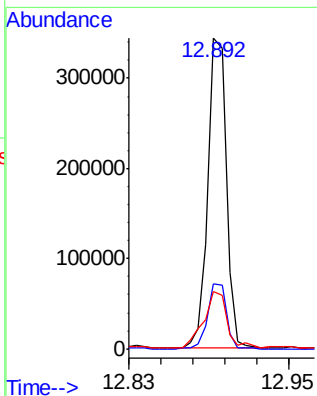
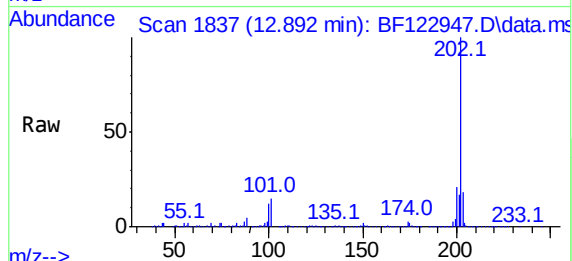




#78
Pyrene
Concen: 9.85 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

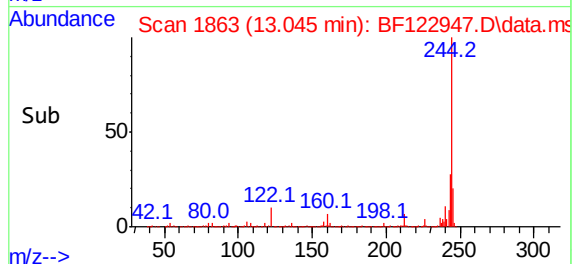
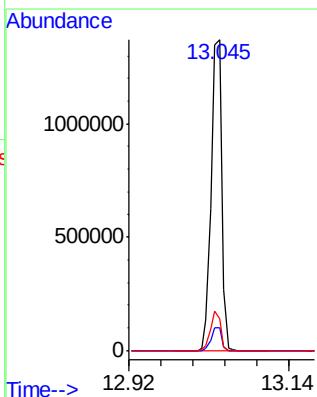
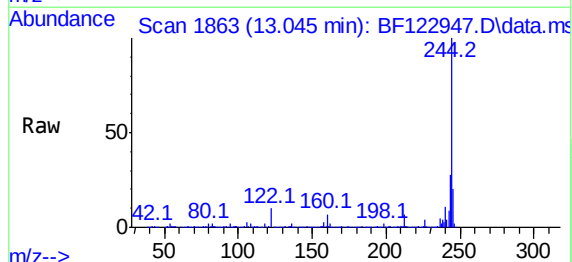
Instrument :
BNA_F
ClientSampleId :
TP-4

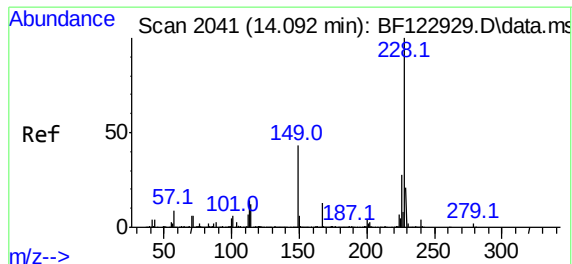
Tgt Ion:202 Resp: 324852
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 18.5 14.6 21.8



#79
Terphenyl-d14
Concen: 58.36 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:244 Resp: 1336011
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 10.1 8.3 12.5

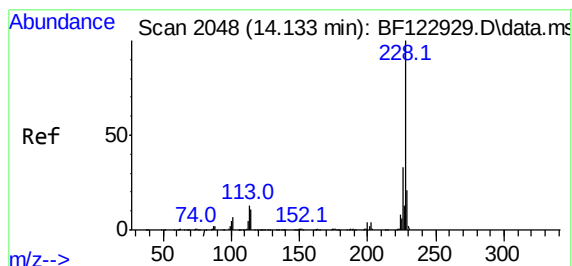
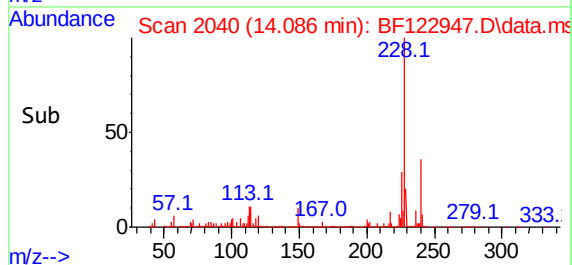
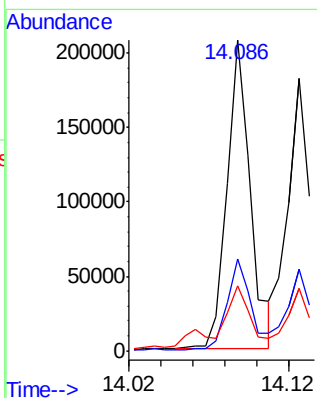
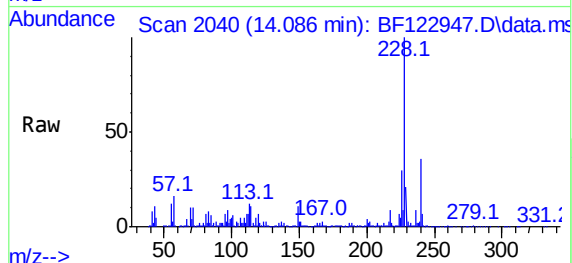




#81
Benzo(a)anthracene
Concen: 6.71 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

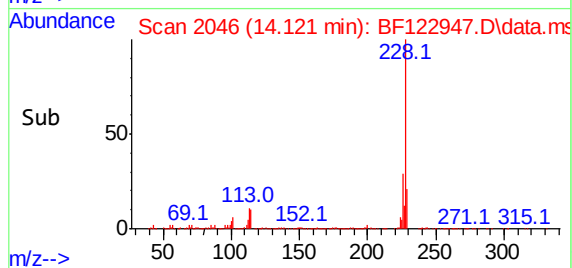
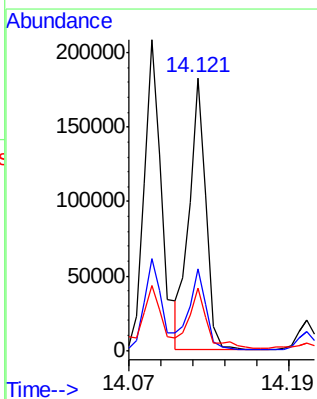
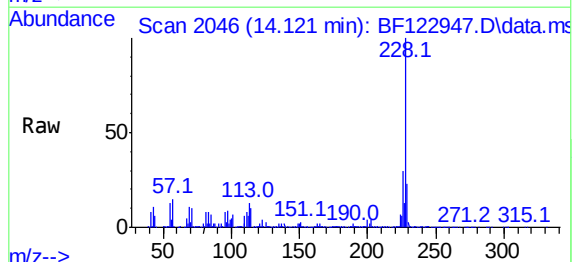
Instrument :
BNA_F
ClientSampleId :
TP-4

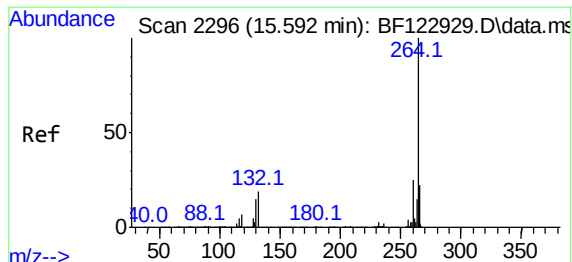
Tgt Ion:228 Resp: 191025
Ion Ratio Lower Upper
228 100
226 29.6 23.0 34.4
229 21.0 16.6 24.8



#83
Chrysene
Concen: 5.81 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:228 Resp: 159295
Ion Ratio Lower Upper
228 100
226 29.9 24.6 36.8
229 22.6 15.8 23.6

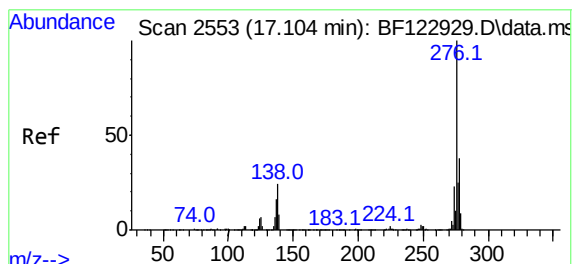
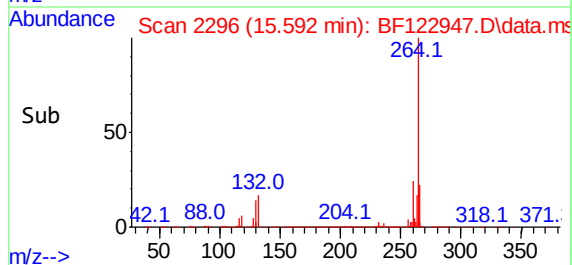
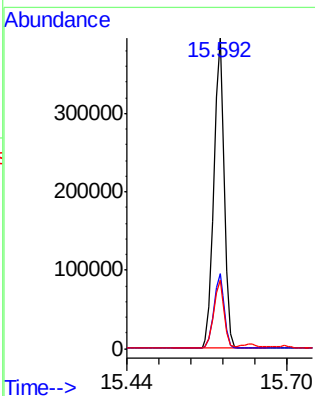
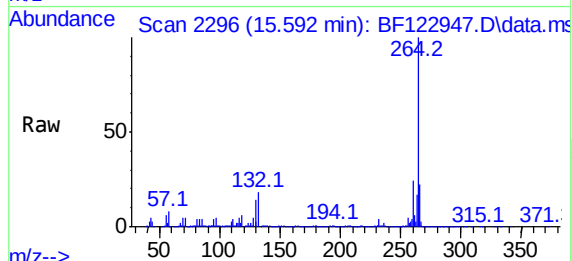




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.592 min Scan# 2296
Delta R.T. 0.000 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

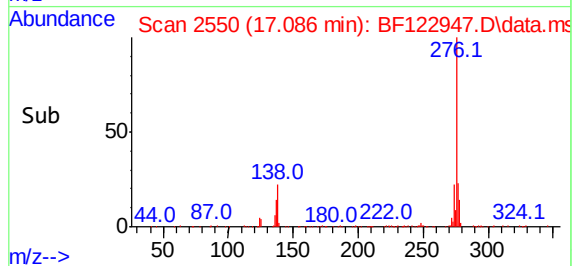
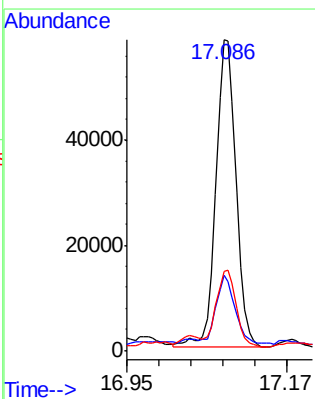
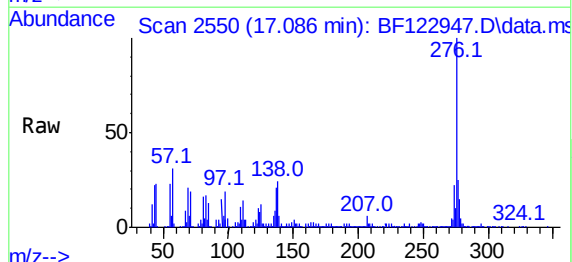
Instrument :
BNA_F
ClientSampleId :
TP-4

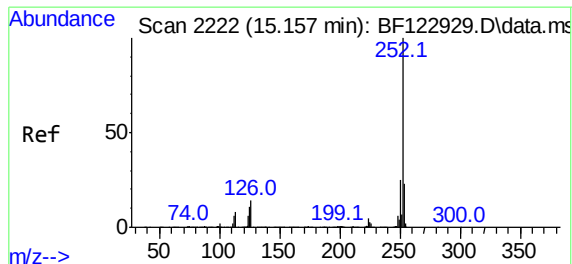
Tgt Ion:264 Resp: 477889
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 22.0 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.72 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.018 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:276 Resp: 114754
Ion Ratio Lower Upper
276 100
138 20.8 18.7 28.1
277 24.9 20.2 30.4

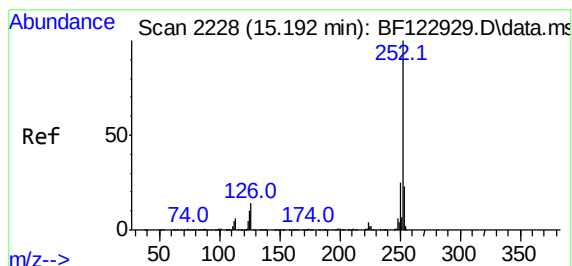
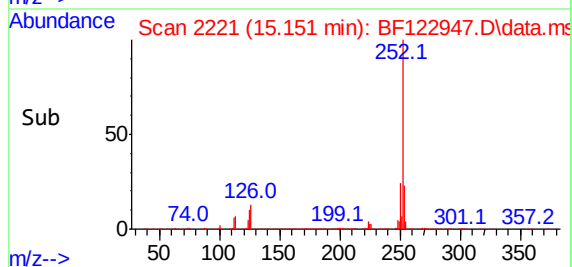
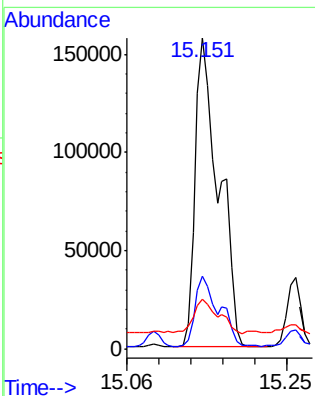
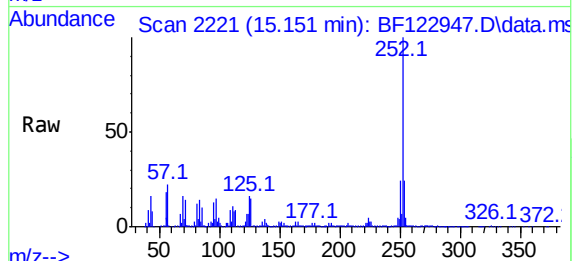




#88
Benzo(b)fluoranthene
Concen: 9.28 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.006 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

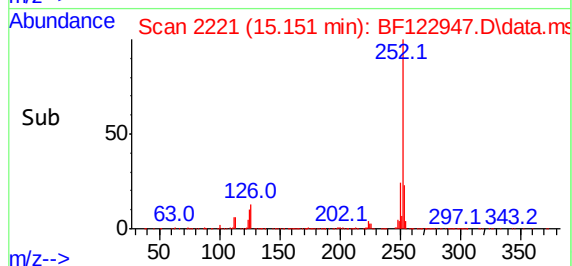
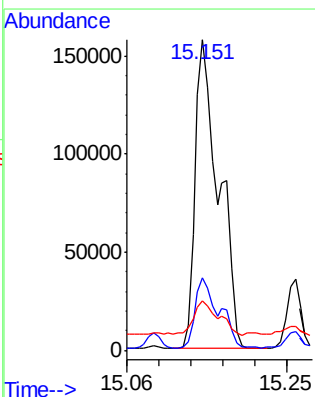
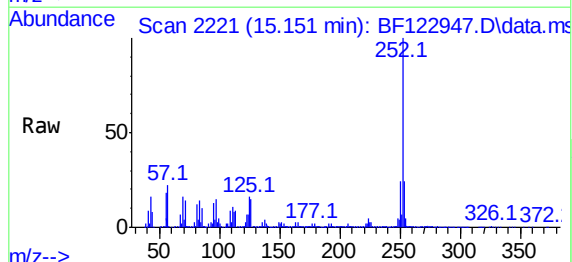
Instrument :
BNA_F
ClientSampleId :
TP-4

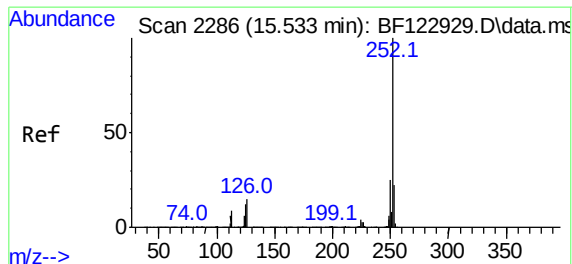
Tgt Ion:252 Resp: 311815
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 15.8 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 10.08 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.041 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:252 Resp: 311815
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 15.8 8.4 12.6#

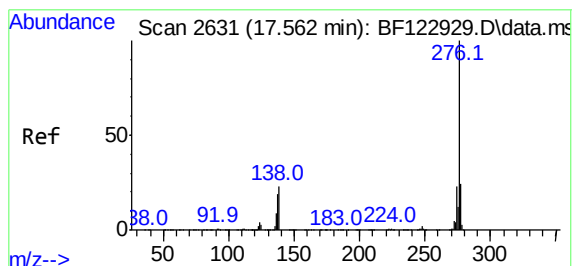
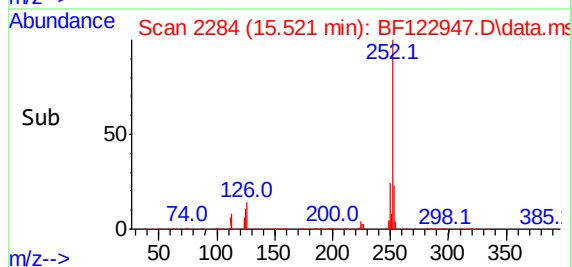
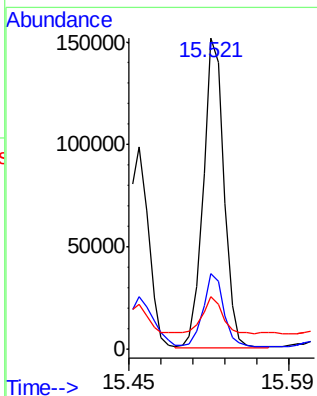
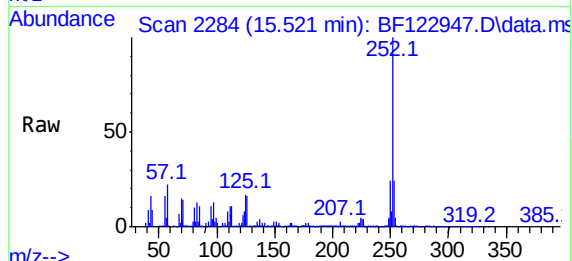




#90
Benzo(a)pyrene
Concen: 6.09 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.012 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 179697
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 16.6 8.6 12.8#



#92
Benzo(g,h,i)perylene
Concen: 4.29 ng
RT: 17.545 min Scan# 2628
Delta R.T. -0.018 min
Lab File: BF122947.D
Acq: 8 Jan 2021 18:32

Tgt Ion:276 Resp: 103378
Ion Ratio Lower Upper
276 100
277 24.8 19.3 28.9
138 23.0 16.6 24.8

