

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030321\
 Data File : BF123367.D
 Acq On : 3 Mar 2021 21:26
 Operator : JU/CG
 Sample : M1540-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 4

Instrument :
 BNA_F
 ClientSampleId :
 PR-01-030221

Quant Time: Mar 03 23:55:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 03 13:18:24 2021
 Response via : Initial Calibration

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

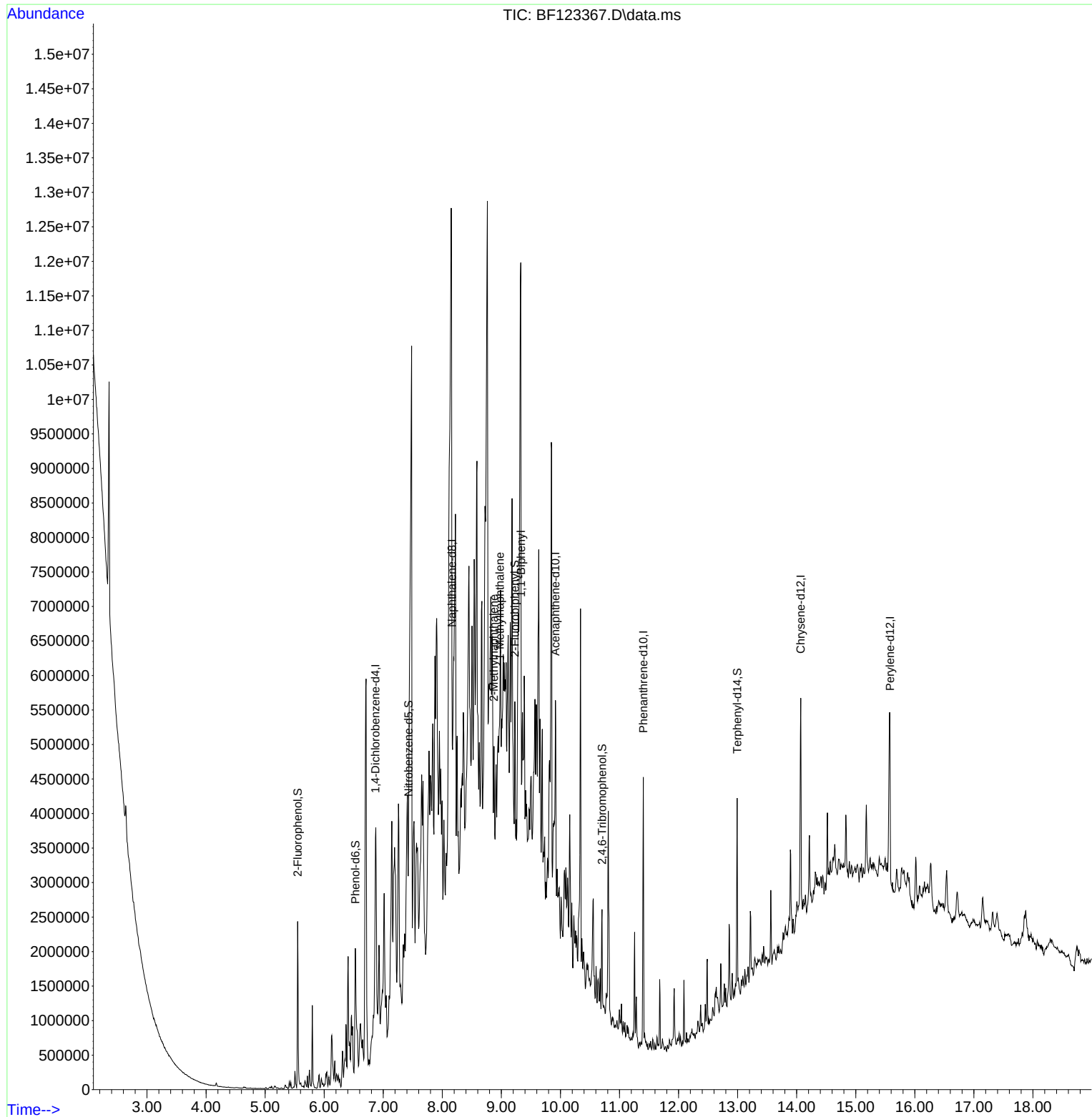
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	408722	80.00	ng	0.02
21) Naphthalene-d8	8.163	136	1274897	80.00	ng	# 0.04
39) Acenaphthene-d10	9.916	164	672892	80.00	ng	0.03
64) Phenanthrene-d10	11.404	188	1395840	80.00	ng	0.02
76) Chrysene-d12	14.068	240	1250231	80.00	ng	0.04
86) Perylene-d12	15.580	264	1121858	80.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	630307	88.79	ng	0.08
7) Phenol-d6	6.528	99	838112	86.90	ng	0.04
23) Nitrobenzene-d5	7.428	82	594802	85.43	ng	0.01
42) 2,4,6-Tribromophenol	10.704	330	161866	94.50	ng	0.02
45) 2-Fluorobiphenyl	9.227	172	647067	55.25	ng	0.02
79) Terphenyl-d14	12.992	244	801651	49.32	ng	0.02
Target Compounds						
						Qvalue
10) Phenol	6.539	94	24723	2.35	ng	# 1
31) Naphthalene	8.181	128	107071	6.13	ng	# 55
37) 2-Methylnaphthalene	8.875	142	369232	31.73	ng	94
38) 1-Methylnaphthalene	8.975	142	258075	23.71	ng	95
46) 1,1'-Biphenyl	9.333	154	140209	10.05	ng	99
58) Fluorene	10.457	166	34979	2.85	ng	# 77
71) Phenanthrene	11.421	178	54667	2.65	ng	96
75) Fluoranthene	12.616	202	48822	2.23	ng	89
78) Pyrene	12.851	202	81663	3.35	ng	# 95
81) Benzo(a)anthracene	14.057	228	47294	2.23	ng	# 34
83) Chrysene	14.086	228	81314	3.90	ng	# 66
88) Benzo(b)fluoranthene	15.121	252	44336m	2.25	ng	
92) Benzo(g,h,i)perylene	17.556	276	31017	2.03	ng	# 58

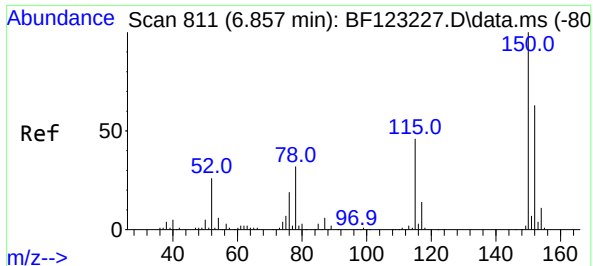
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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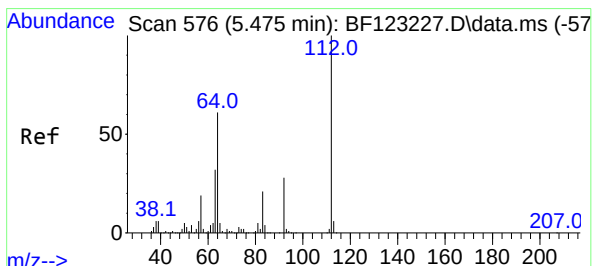
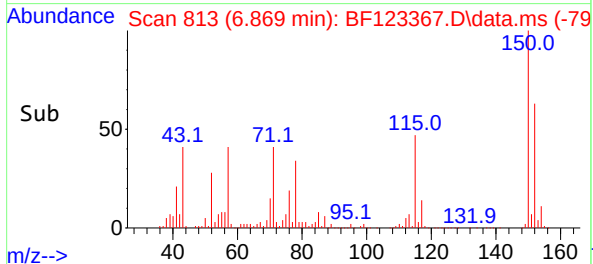
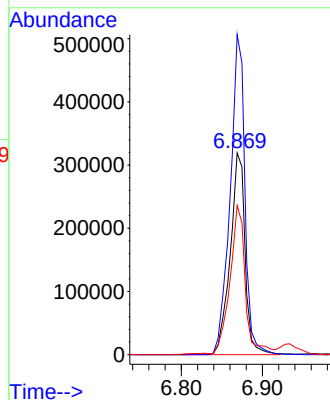
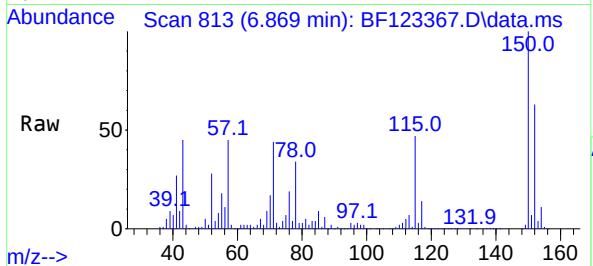




#1
1,4-Dichlorobenzene-d4
Concen: 80.00 ng
RT: 6.869 min Scan# 813
Delta R.T. 0.023 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

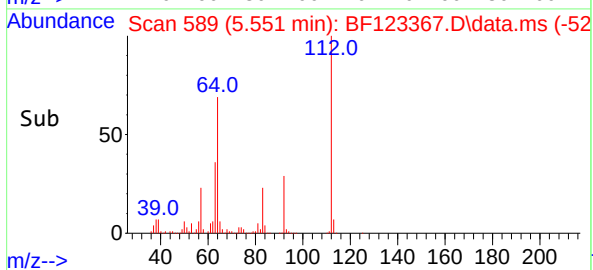
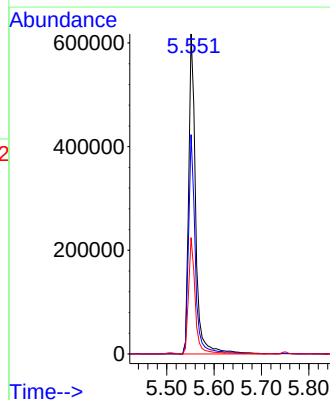
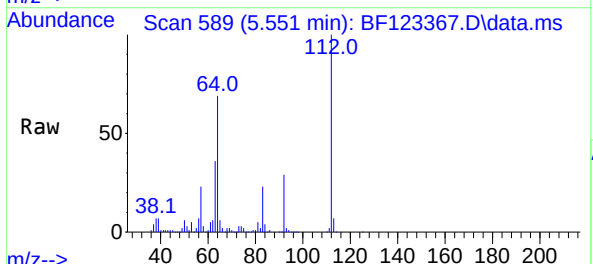
Instrument :
BNA_F
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PR-01-030221

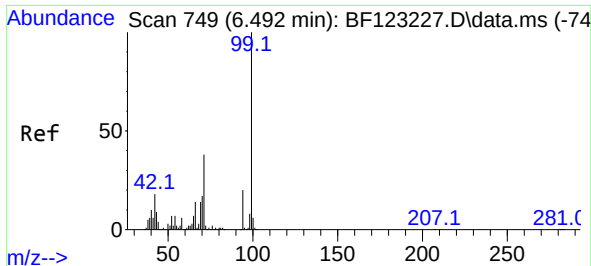
Tgt Ion:152 Resp: 408722
Ion Ratio Lower Upper
152 100
150 158.6 125.8 188.6
115 73.9 49.3 73.9



#5
2-Fluorophenol
Concen: 88.79 ng
RT: 5.551 min Scan# 589
Delta R.T. 0.082 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:112 Resp: 630307
Ion Ratio Lower Upper
112 100
64 68.6 46.9 70.3
63 36.4 24.5 36.7

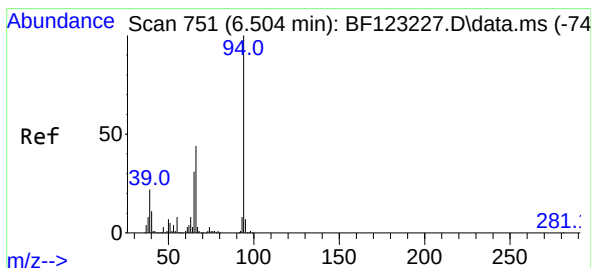
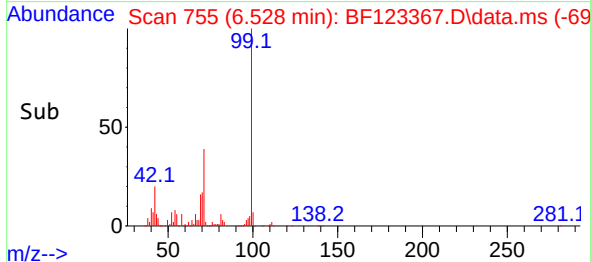
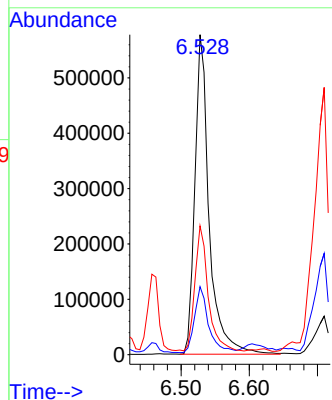
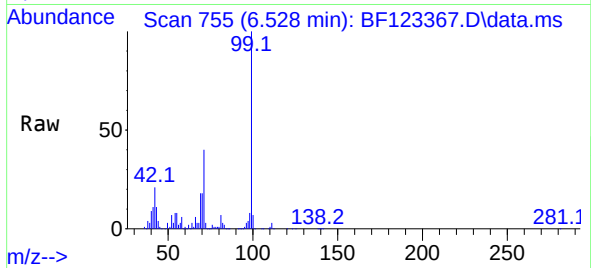




#7
Phenol-d6
Concen: 86.90 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.041 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

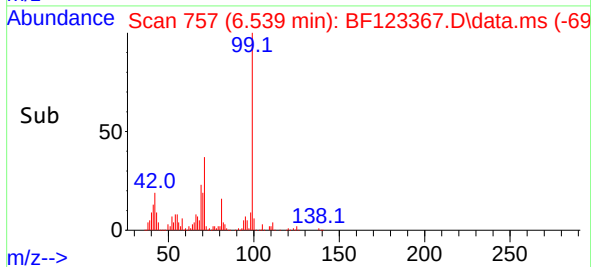
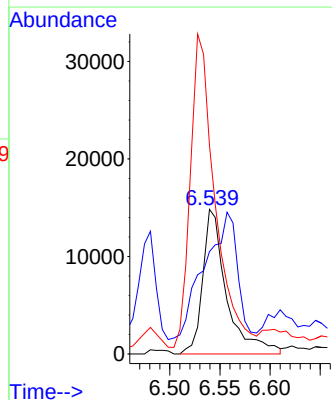
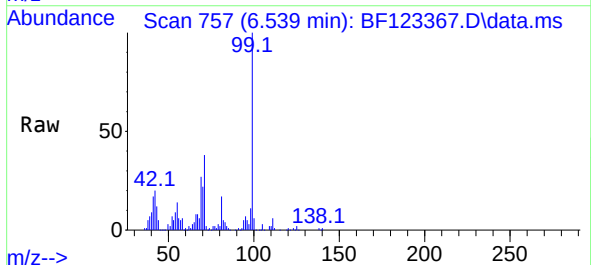
Instrument :
BNA_F
ClientSampleId :
PR-01-030221

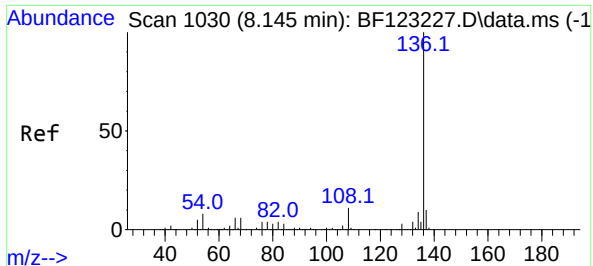
Tgt Ion: 99 Resp: 838112
Ion Ratio Lower Upper
99 100
42 21.3 13.8 20.6#
71 40.3 26.9 40.3



#10
Phenol
Concen: 2.35 ng
RT: 6.539 min Scan# 757
Delta R.T. 0.041 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

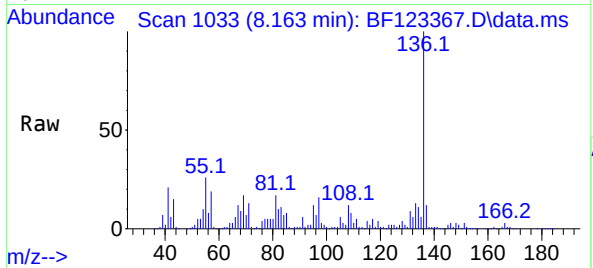
Tgt Ion: 94 Resp: 24723
Ion Ratio Lower Upper
94 100
65 70.8 11.2 51.2#
66 144.1 25.8 65.8#



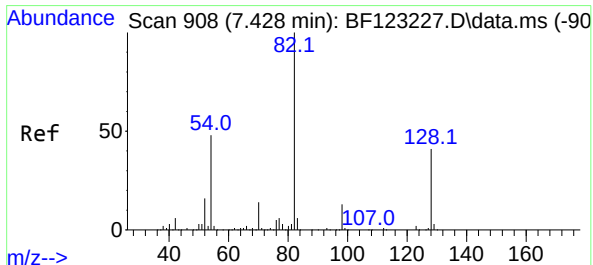
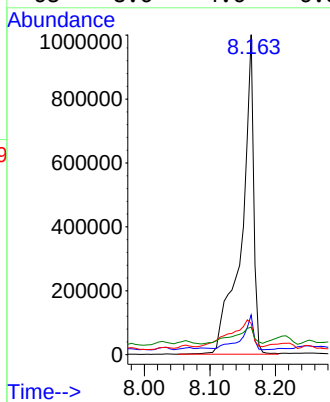
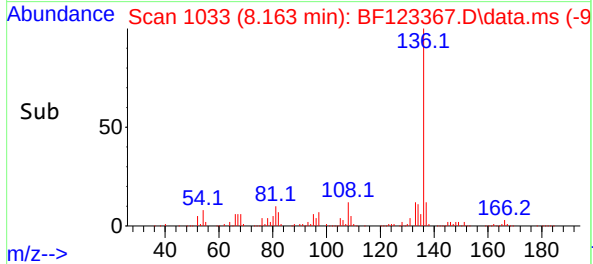


#21
Naphthalene-d8
Concen: 80.00 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.035 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Instrument :
BNA_F
ClientSampleId :
PR-01-030221

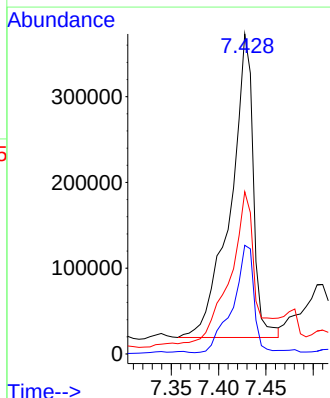
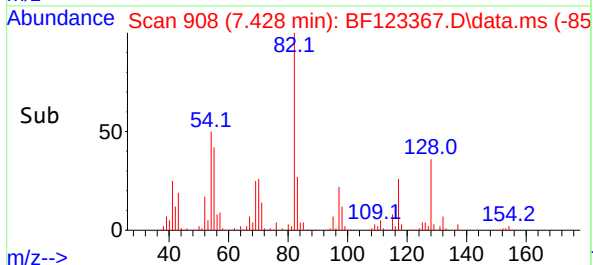
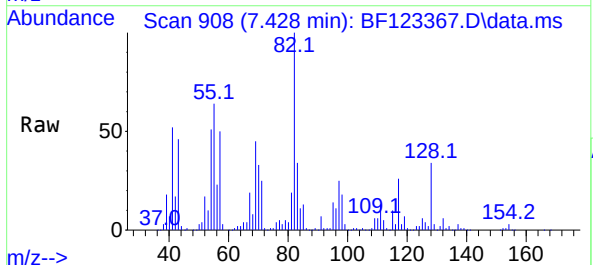


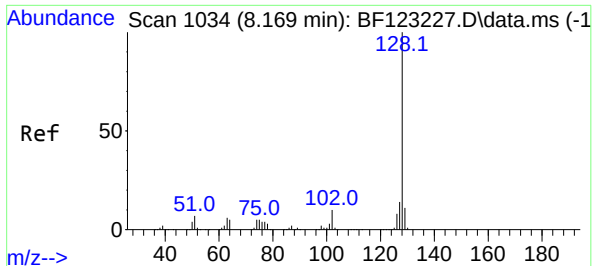
Tgt Ion:136 Resp: 1274897
Ion Ratio Lower Upper
136 100
137 12.4 8.8 13.2
54 9.8 5.5 8.3#
68 8.6 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 85.43 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.012 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion: 82 Resp: 594802
Ion Ratio Lower Upper
82 100
128 34.0 37.0 55.4#
54 50.7 38.4 57.6

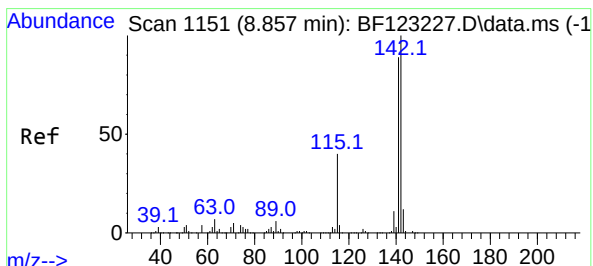
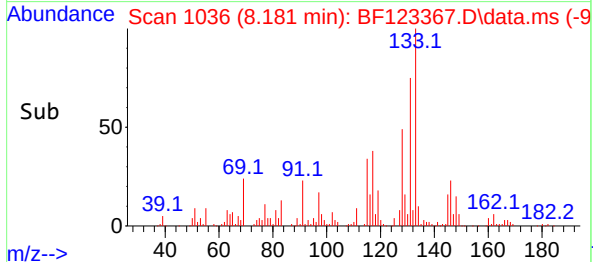
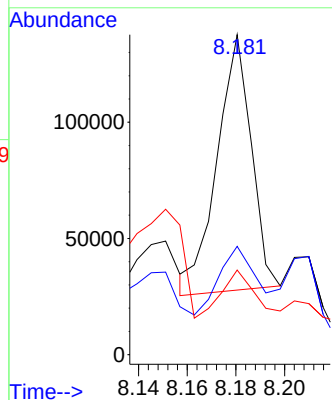
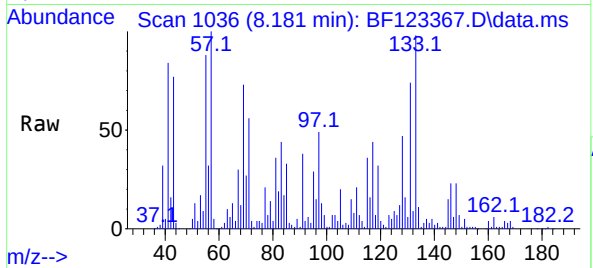




#31
Naphthalene
Concen: 6.13 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.029 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

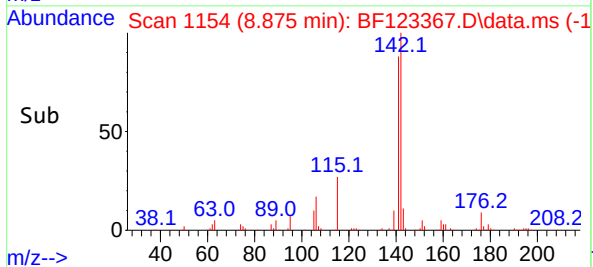
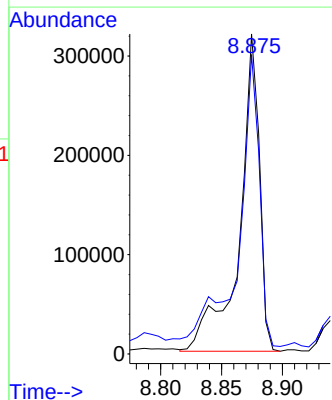
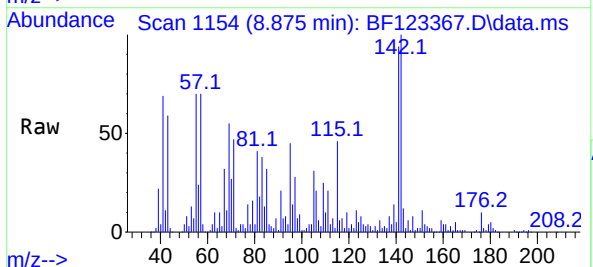
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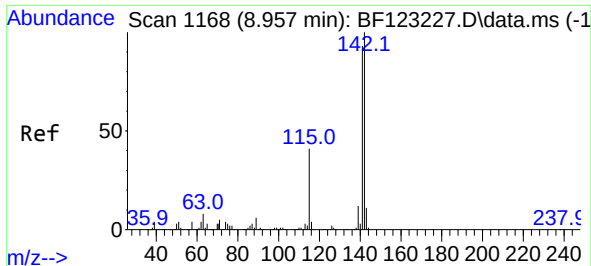
Tgt Ion:128 Resp: 107071
Ion Ratio Lower Upper
128 100
129 33.9 9.0 13.6#
127 26.5 10.7 16.1#



#37
2-Methylnaphthalene
Concen: 31.73 ng
RT: 8.875 min Scan# 1154
Delta R.T. 0.029 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:142 Resp: 369232
Ion Ratio Lower Upper
142 100
141 93.5 70.6 106.0

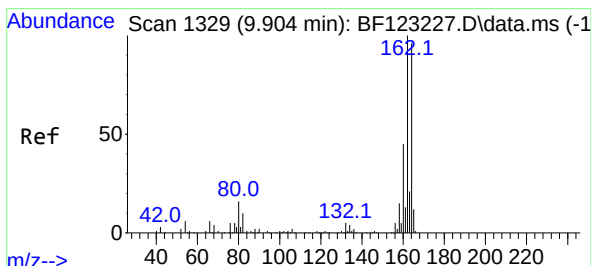
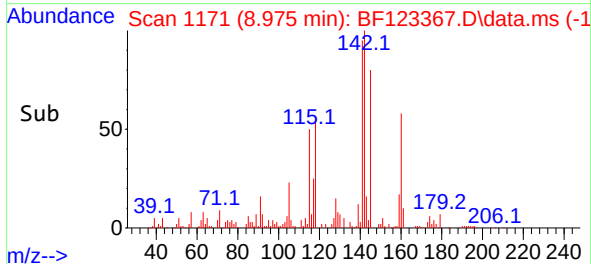
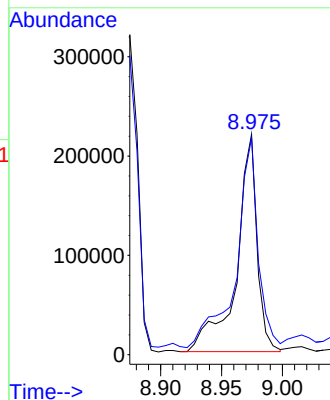
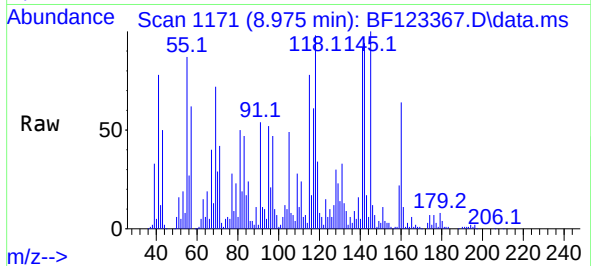




#38
1-Methylnaphthalene
Concen: 23.71 ng
RT: 8.975 min Scan# 1171
Delta R.T. 0.029 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

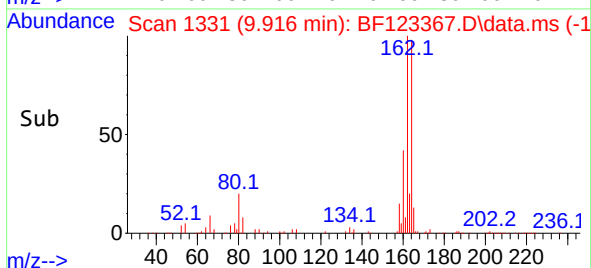
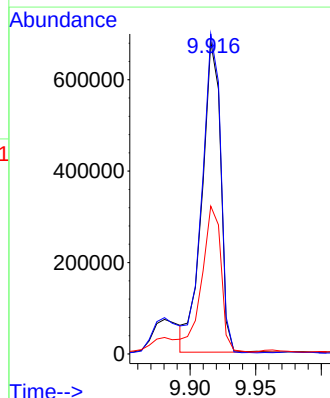
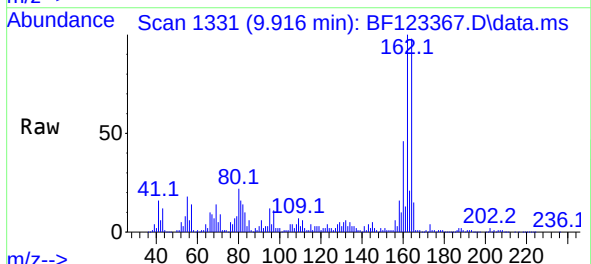
Instrument :
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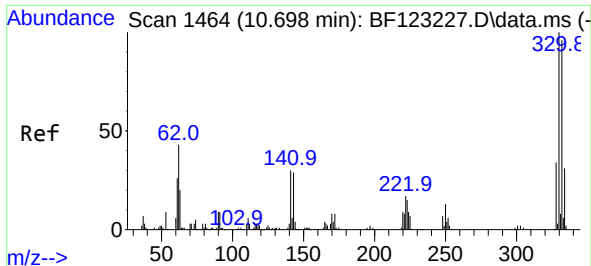
Tgt Ion:142 Resp: 258075
Ion Ratio Lower Upper
142 100
141 98.3 74.5 111.7



#39
Acenaphthene-d10
Concen: 80.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.029 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:164 Resp: 672892
Ion Ratio Lower Upper
164 100
162 102.5 80.8 121.2
160 47.3 35.4 53.0

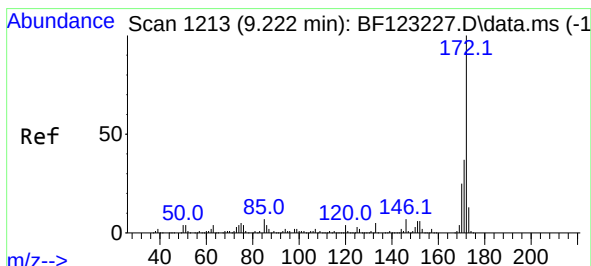
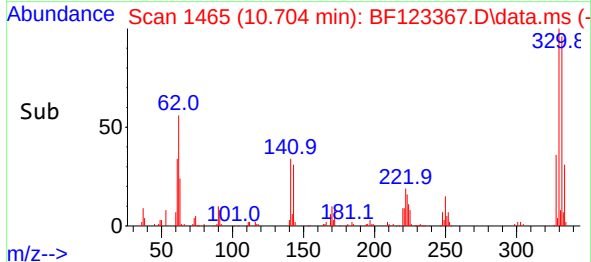
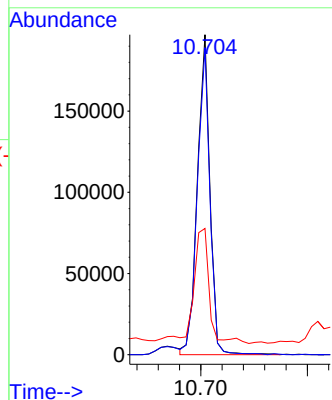
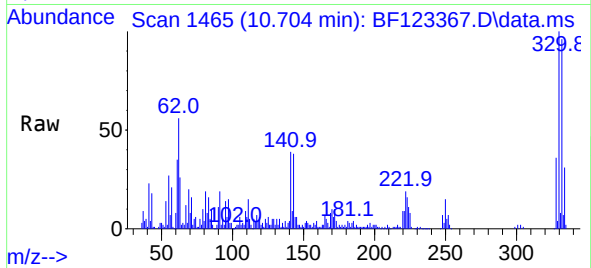




#42
2,4,6-Tribromophenol
Concen: 94.50 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.023 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

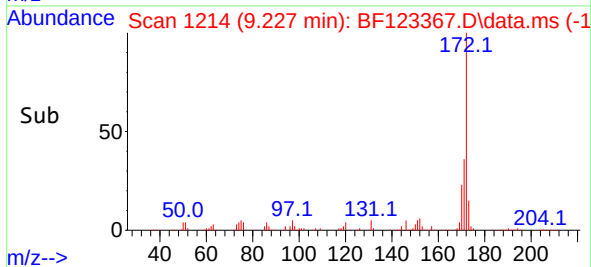
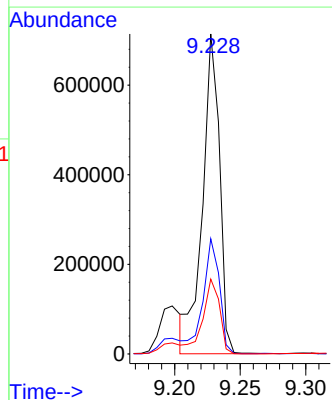
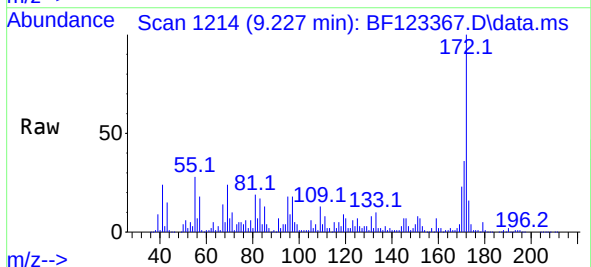
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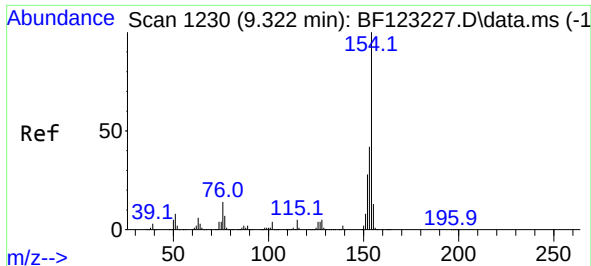
Tgt Ion:330 Resp: 161866
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 40.2 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 55.25 ng
RT: 9.227 min Scan# 1214
Delta R.T. 0.017 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:172 Resp: 647067
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.4 19.5 29.3

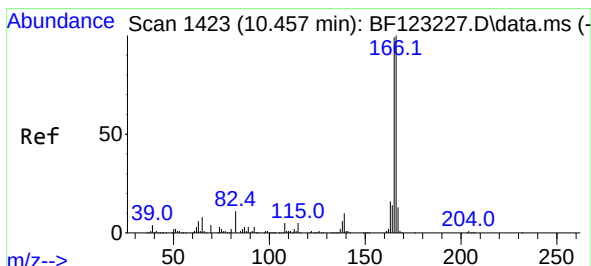
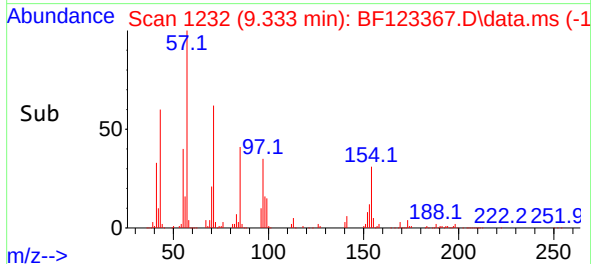
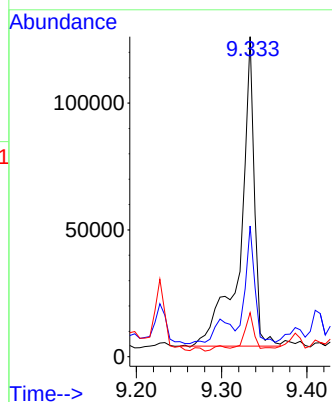
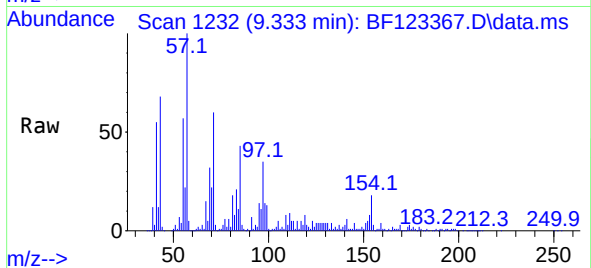




#46
1,1'-Biphenyl
Concen: 10.05 ng
RT: 9.333 min Scan# 1232
Delta R.T. 0.023 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

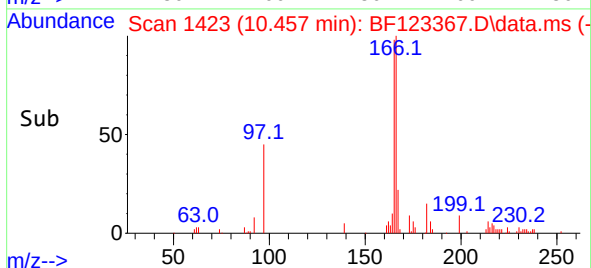
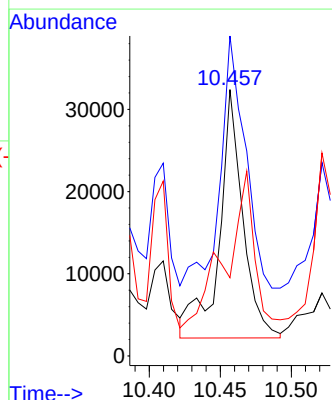
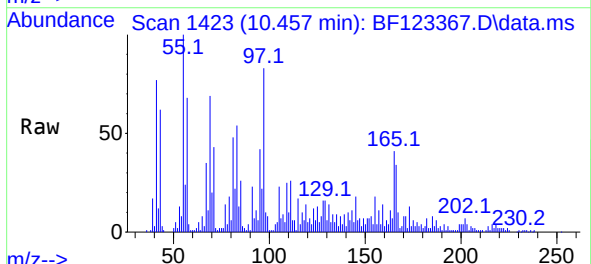
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BNA_F
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PR-01-030221

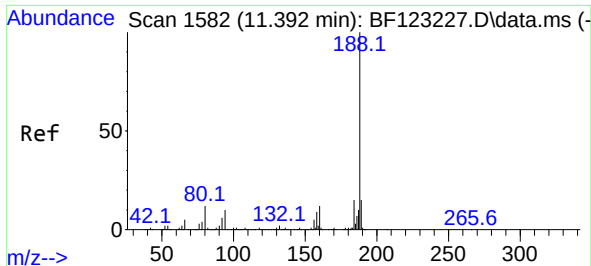
Tgt Ion:154 Resp: 140209
Ion Ratio Lower Upper
154 100
153 40.9 21.8 61.8
76 13.7 0.0 33.4



#58
Fluorene
Concen: 2.85 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.018 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:166 Resp: 34979
Ion Ratio Lower Upper
166 100
165 120.1 79.4 119.0#
167 29.4 10.9 16.3#

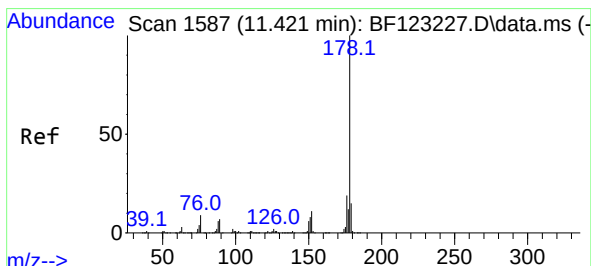
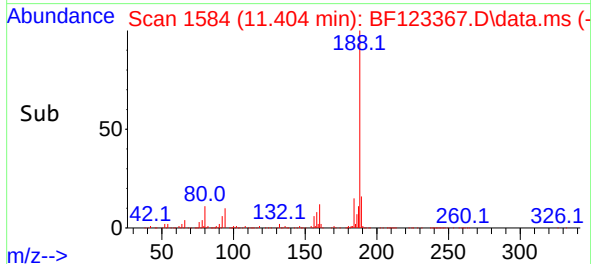
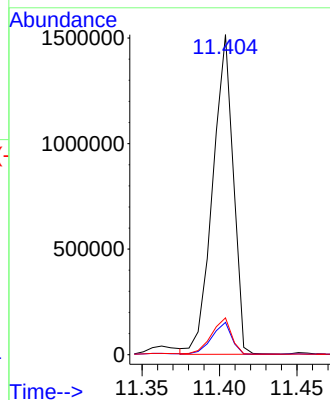
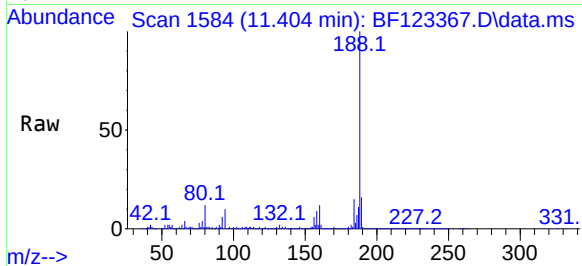




#64
Phenanthrene-d10
Concen: 80.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.023 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

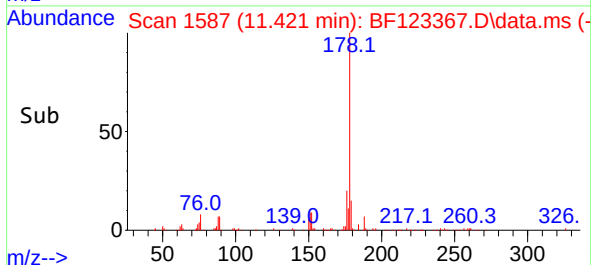
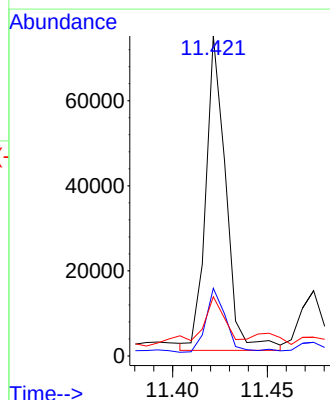
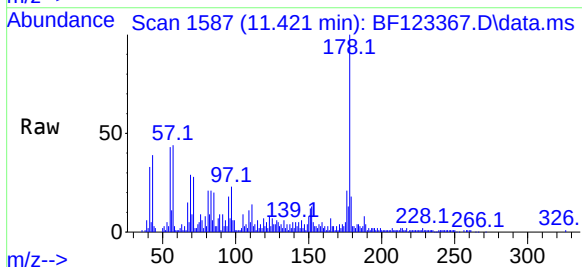
Instrument :
BNA_F
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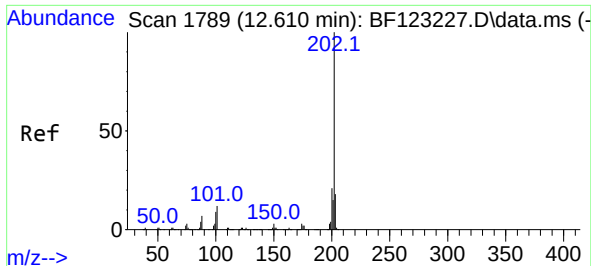
Tgt Ion:188 Resp: 1395840
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 11.5 8.2 12.4



#71
Phenanthrene
Concen: 2.65 ng
RT: 11.421 min Scan# 1587
Delta R.T. 0.018 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:178 Resp: 54667
Ion Ratio Lower Upper
178 100
176 21.2 16.2 24.2
179 18.5 12.7 19.1

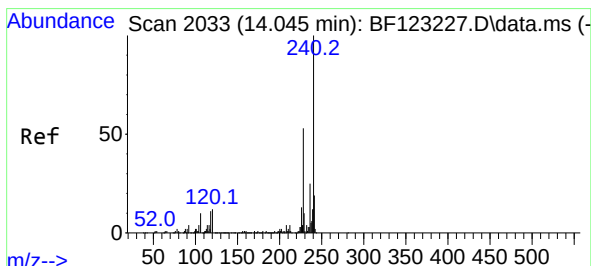
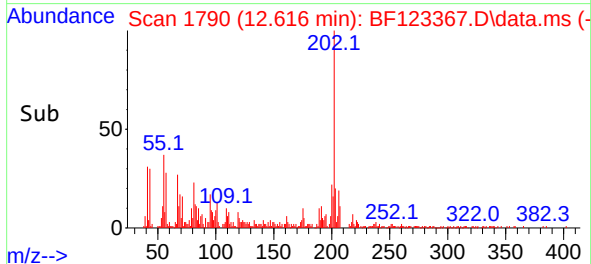
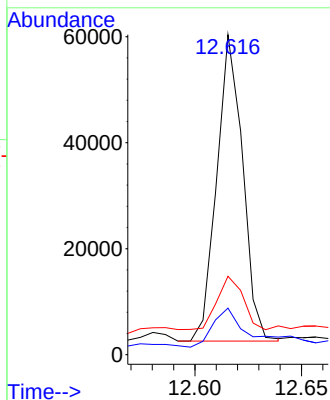
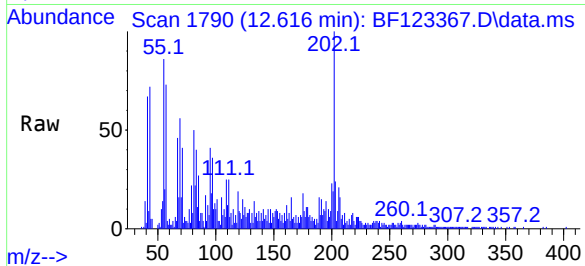




#75
Fluoranthene
Concen: 2.23 ng
RT: 12.616 min Scan# 1790
Delta R.T. 0.018 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

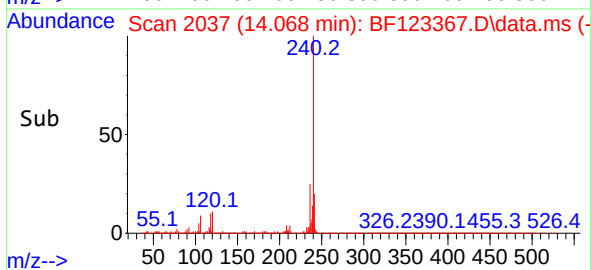
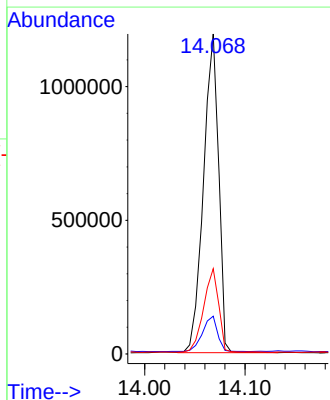
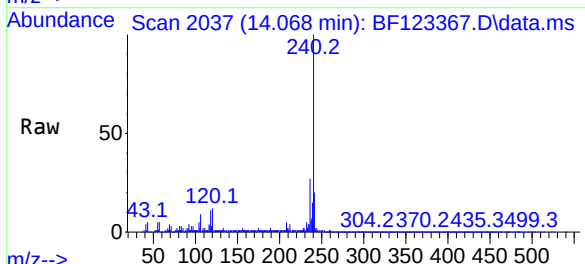
Instrument :
BNA_F
ClientSampleId :
PR-01-030221

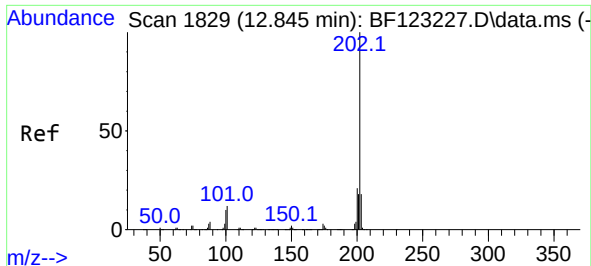
Tgt Ion:202 Resp: 48822
Ion Ratio Lower Upper
202 100
101 14.5 0.0 32.2
203 24.5 0.0 38.1



#76
Chrysene-d12
Concen: 80.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.035 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:240 Resp: 1250231
Ion Ratio Lower Upper
240 100
120 11.8 8.6 12.8
236 26.7 20.3 30.5

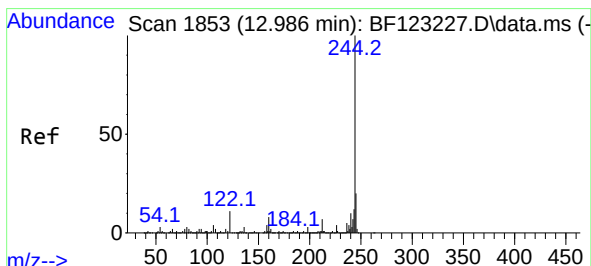
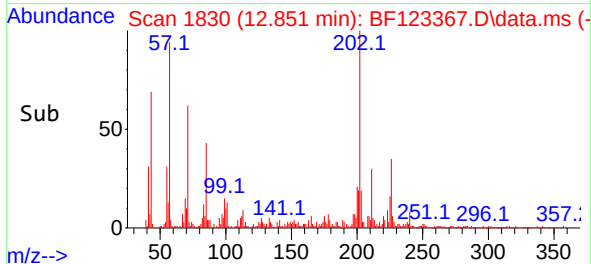
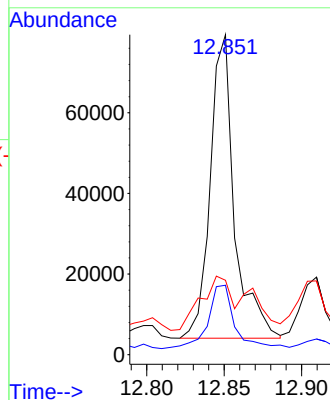
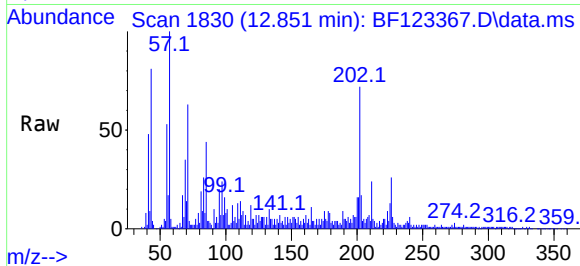




#78
Pyrene
Concen: 3.35 ng
RT: 12.851 min Scan# 1830
Delta R.T. 0.023 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

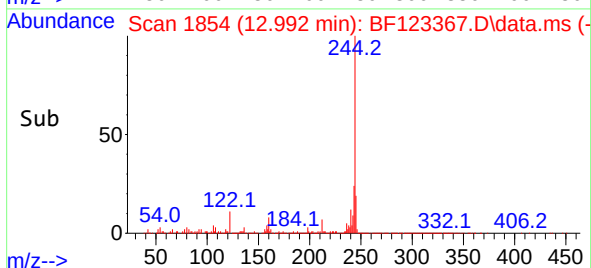
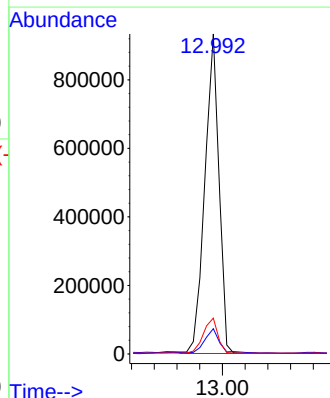
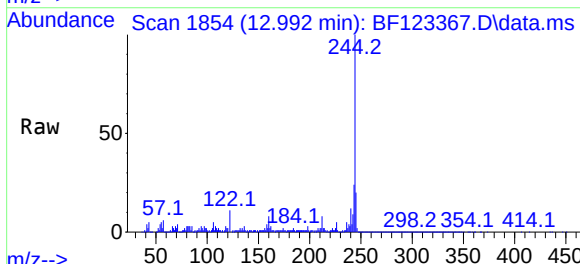
Instrument :
BNA_F
ClientSampleId :
PR-01-030221

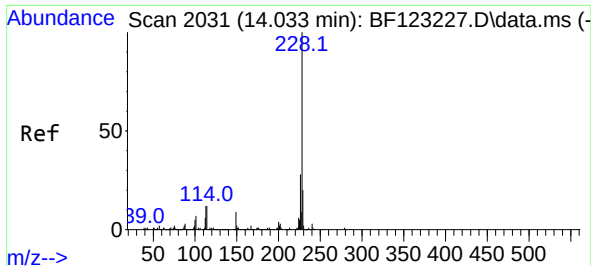
Tgt Ion:202	Resp:	81663
Ion Ratio	Lower	Upper
202	100	
200	21.7	17.6 26.4
203	23.2	14.6 21.8#



#79
Terphenyl-d14
Concen: 49.32 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.023 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:244	Resp:	801651
Ion Ratio	Lower	Upper
244	100	
212	7.9	5.7 8.5
122	11.2	8.3 12.5

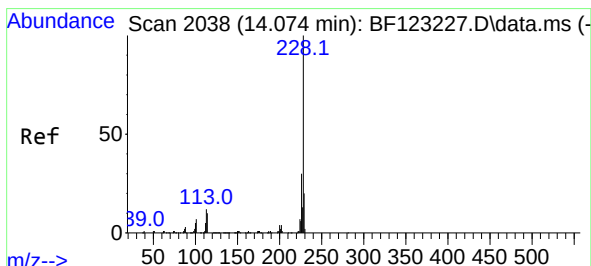
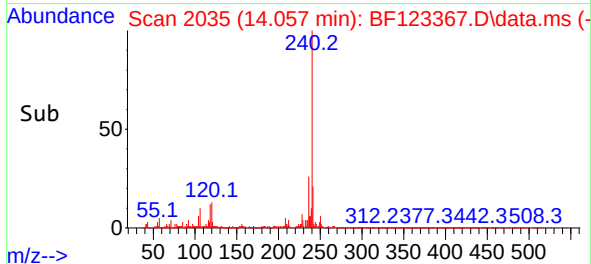
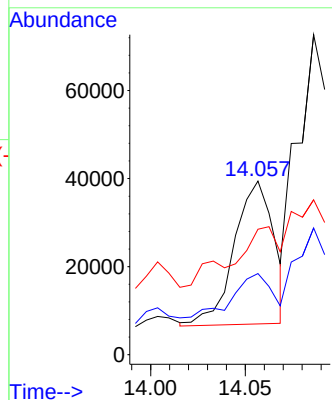
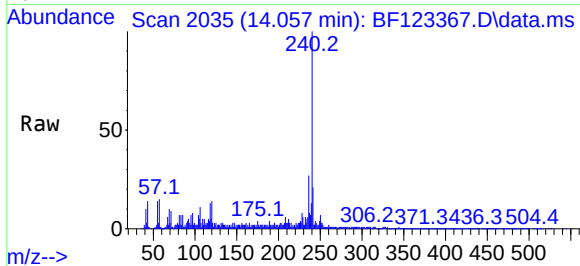




#81
Benzo(a)anthracene
Concen: 2.23 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.035 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

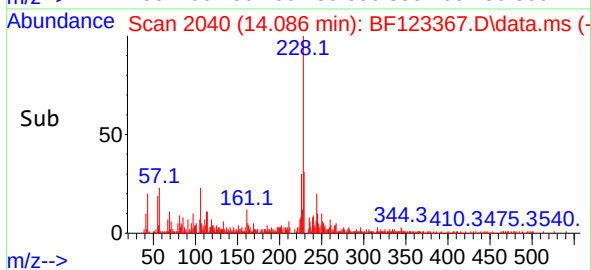
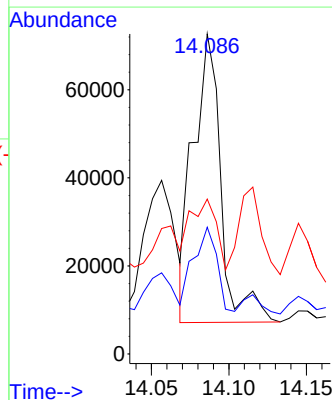
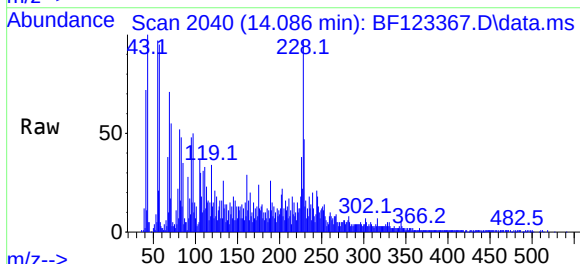
Instrument :
BNA_F
ClientSampleId :
PR-01-030221

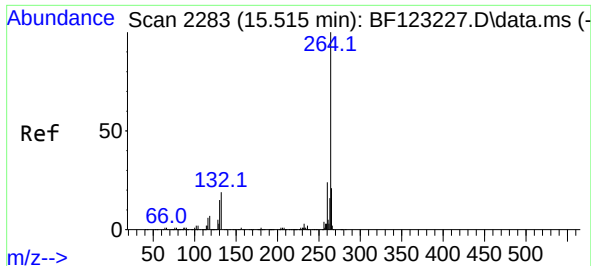
Tgt Ion:228 Resp: 47294
Ion Ratio Lower Upper
228 100
226 46.8 23.0 34.4#
229 72.2 16.6 24.8#



#83
Chrysene
Concen: 3.90 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.029 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:228 Resp: 81314
Ion Ratio Lower Upper
228 100
226 39.6 24.6 36.8#
229 48.4 15.8 23.6#

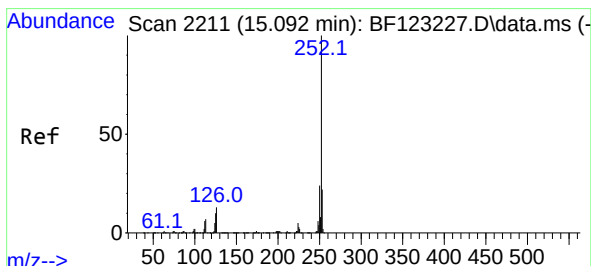
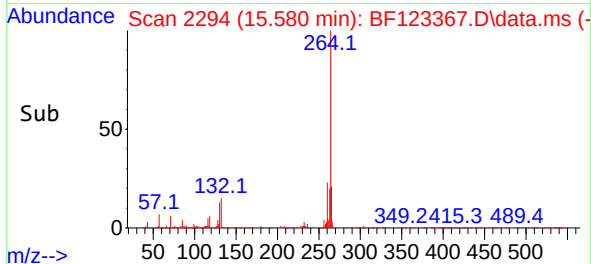
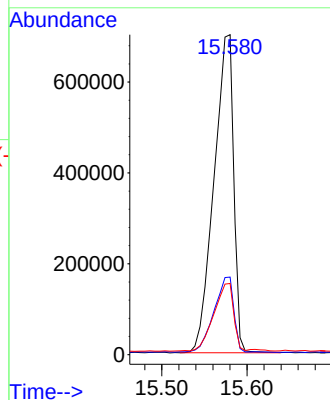
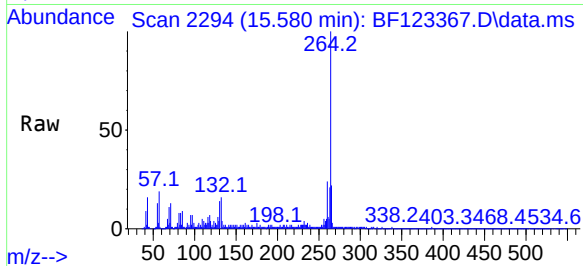




#86
Perylene-d12
Concen: 80.00 ng
RT: 15.580 min Scan# 2294
Delta R.T. 0.082 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

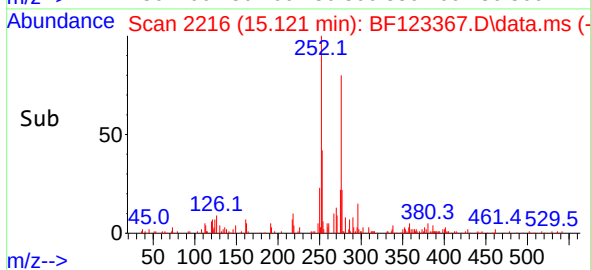
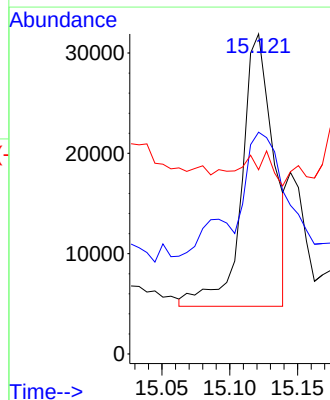
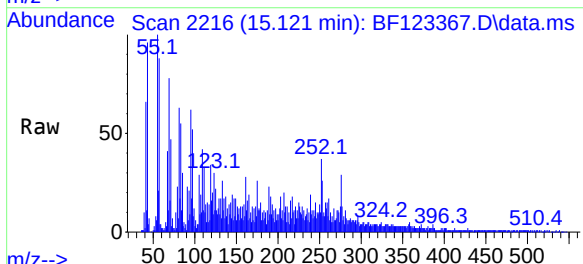
Instrument :
BNA_F
ClientSampleId :
PR-01-030221

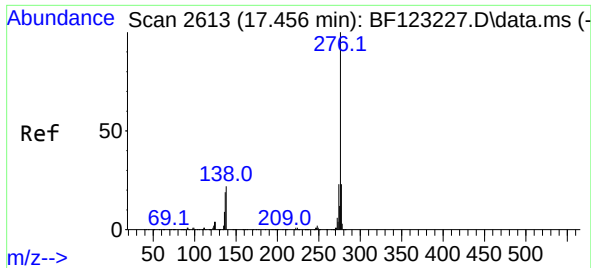
Tgt Ion:264 Resp: 1121858
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 22.3 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 2.25 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.047 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Tgt Ion:252 Resp: 44336
Ion Ratio Lower Upper
252 100
253 69.3 18.3 27.5#
125 57.5 8.1 12.1#





#92
Benzo(g,h,i)perylene
Concen: 2.03 ng
RT: 17.556 min Scan# 2630
Delta R.T. 0.129 min
Lab File: BF123367.D
Acq: 3 Mar 2021 21:26

Instrument :
BNA_F
ClientSampleId :
PR-01-030221

Tgt Ion:276 Resp: 31017
Ion Ratio Lower Upper
276 100
277 46.9 19.3 28.9#
138 37.9 16.6 24.8#

