

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032921\
 Data File : BF123513.D
 Acq On : 30 Mar 2021 00:35
 Operator : JU/CG
 Sample : M1810-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 600486548-BIN-1

Quant Time: Mar 30 03:21:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 26 12:51:59 2021
 Response via : Initial Calibration

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

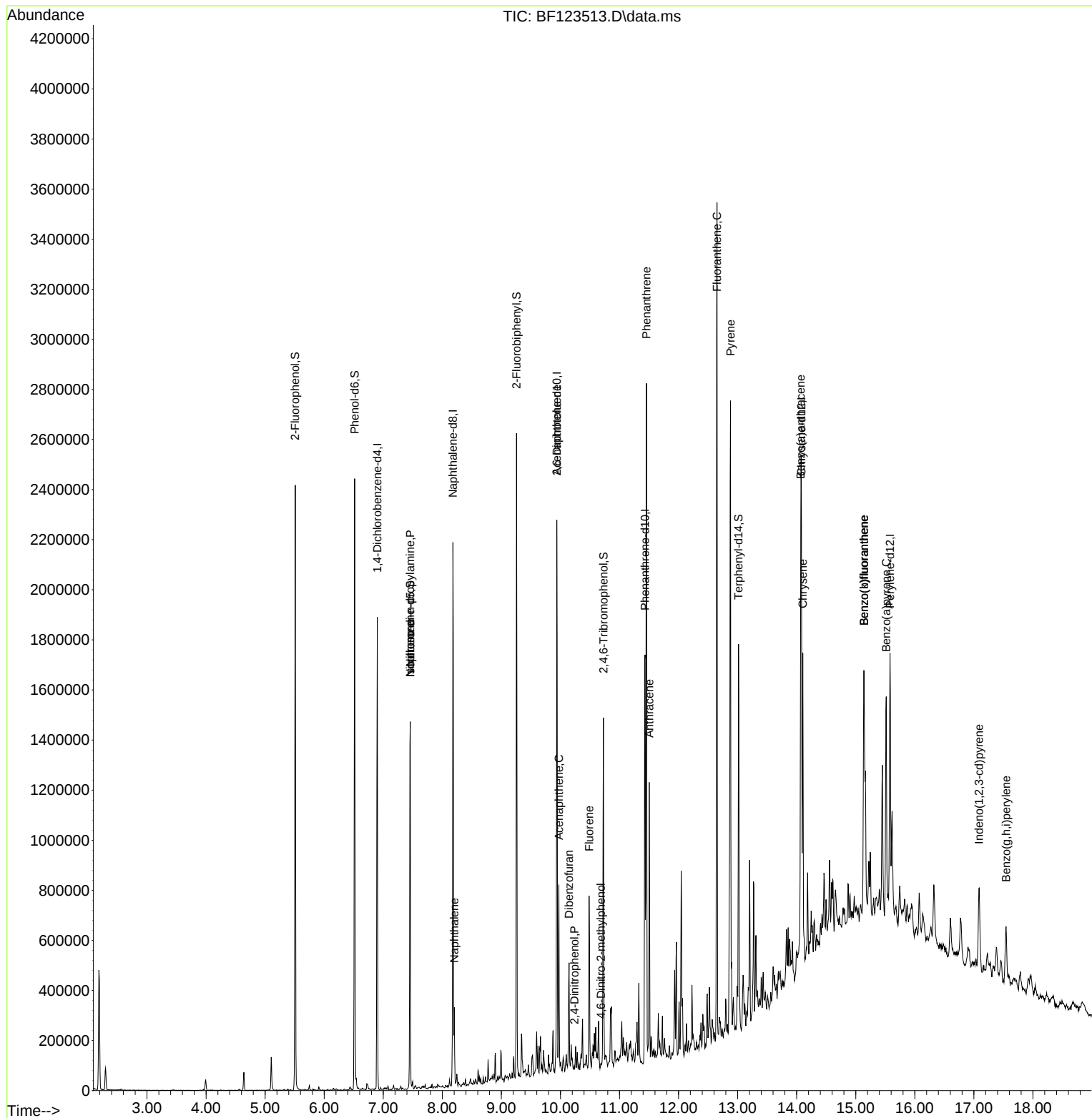
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	245035	20.00	ng	0.00
21) Naphthalene-d8	8.181	136	864432	20.00	ng	# 0.00
39) Acenaphthene-d10	9.939	164	425985	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	635868	20.00	ng	0.00
76) Chrysene-d12	14.080	240	479654	20.00	ng	0.00
86) Perylene-d12	15.580	264	513661	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	530213	35.40	ng	0.00
7) Phenol-d6	6.516	99	659510	33.08	ng	-0.01
23) Nitrobenzene-d5	7.457	82	432188	26.98	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	143329	30.10	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	714927	23.98	ng	0.00
79) Terphenyl-d14	13.016	244	503605	17.79	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	621	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.457	70	57325	4.44 ng	#	81
25) Isophorone	7.457	82	429517	12.47 ng	#	65
31) Naphthalene	8.204	128	104369	2.25 ng		99
51) 2,6-Dinitrotoluene	9.939	165	57740	9.14 ng	#	31
52) Acenaphthene	9.975	154	147165	5.63 ng		98
54) 2,4-Dinitrophenol	10.239	184	296	8.73 ng	#	53
55) Dibenzofuran	10.145	168	128912	3.43 ng		98
58) Fluorene	10.486	166	169502	5.97 ng		100
65) 4,6-Dinitro-2-methylph...	10.686	198	222	5.18 ng	#	1
71) Phenanthrene	11.457	178	953153	27.12 ng		98
72) Anthracene	11.504	178	373437	10.56 ng		98
75) Fluoranthene	12.651	202	1331926	35.00 ng		97
78) Pyrene	12.880	202	1104804	26.70 ng		99
81) Benzo(a)anthracene	14.068	228	566884	18.06 ng		100
83) Chrysene	14.104	228	452400	13.96 ng		97
87) Indeno(1,2,3-cd)pyrene	17.086	276	236428	7.41 ng		93
88) Benzo(b)fluoranthene	15.139	252	820662	23.16 ng		98
89) Benzo(k)fluoranthene	15.139	252	820662	24.50 ng		97
90) Benzo(a)pyrene	15.515	252	463945	15.17 ng		99
92) Benzo(g,h,i)perylene	17.545	276	205779	7.59 ng		95

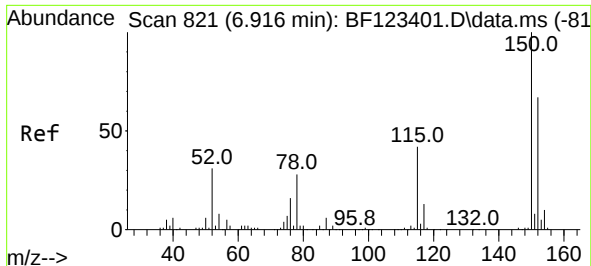
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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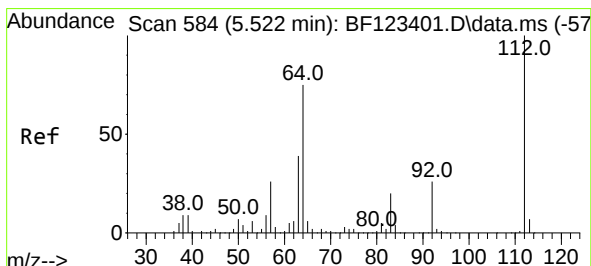
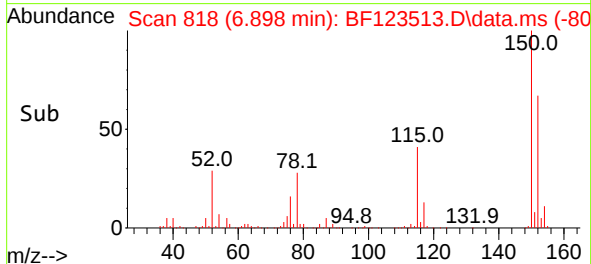
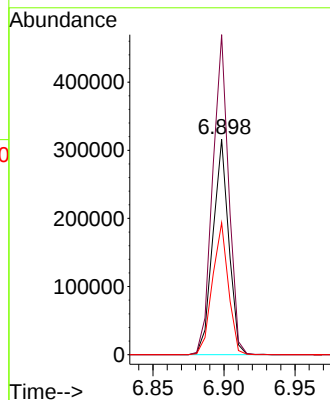
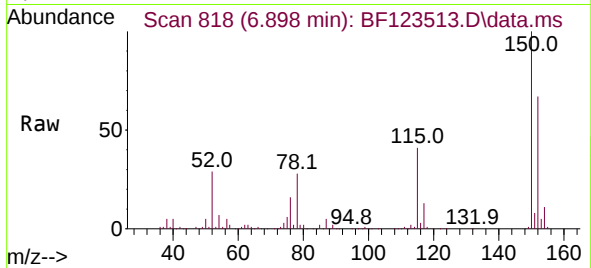




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

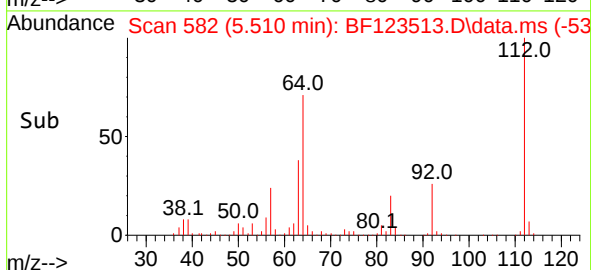
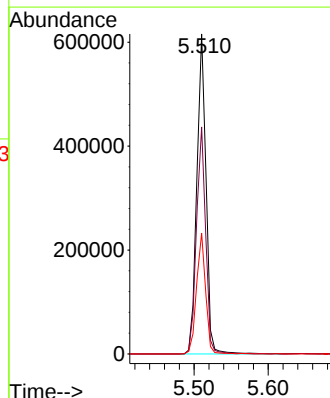
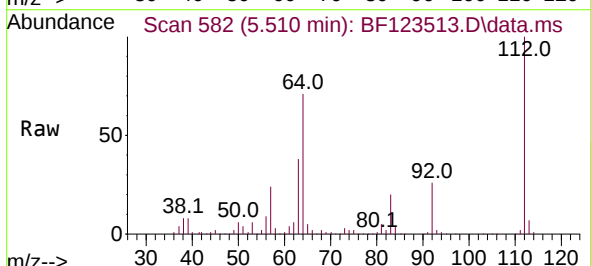
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

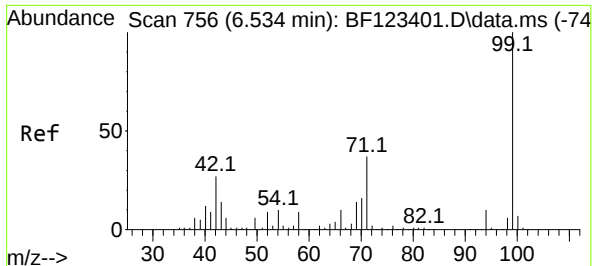
Tgt Ion:152 Resp: 245035
Ion Ratio Lower Upper
152 100
150 148.5 125.8 188.6
115 61.2 49.3 73.9



#5
2-Fluorophenol
Concen: 35.40 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:112 Resp: 530213
Ion Ratio Lower Upper
112 100
64 70.9 46.9 70.3#
63 37.8 24.5 36.7#

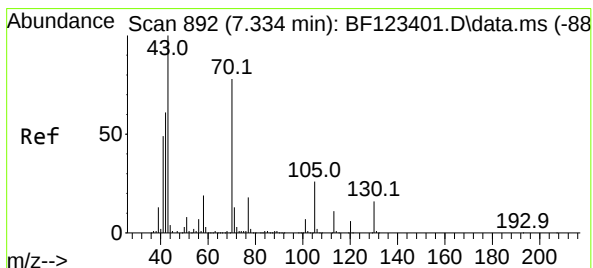
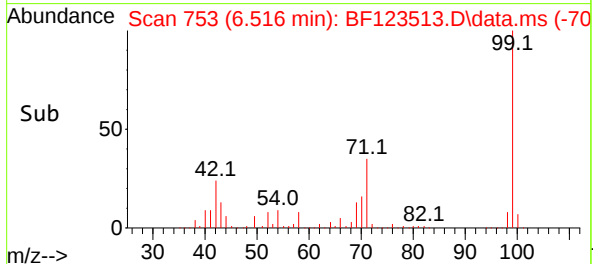
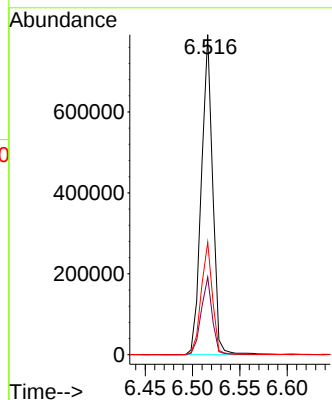
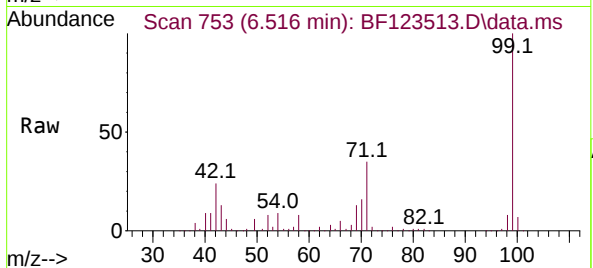




#7
Phenol-d6
Concen: 33.08 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

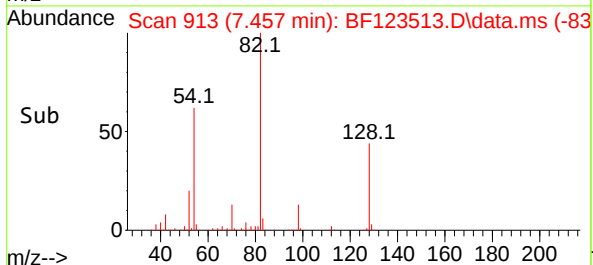
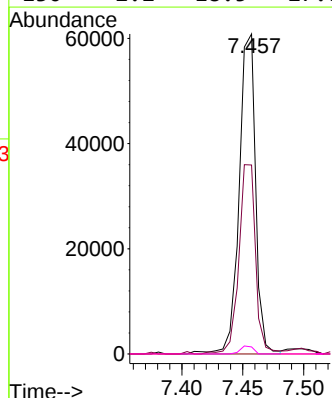
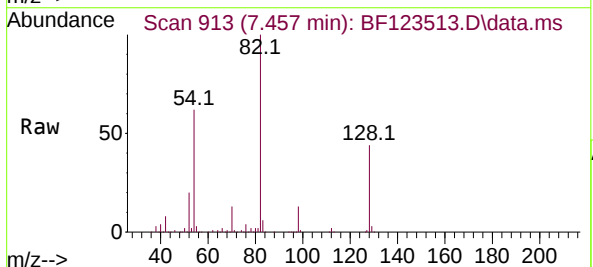
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

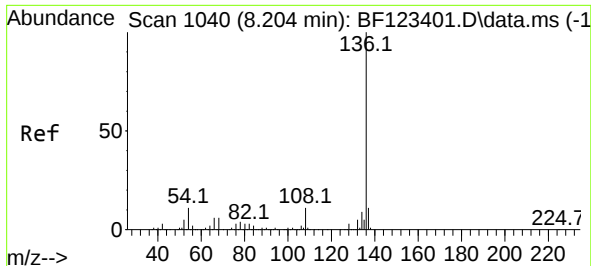
Tgt Ion: 99 Resp: 659510
Ion Ratio Lower Upper
99 100
42 24.3 13.8 20.6#
71 35.1 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 4.44 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion: 70 Resp: 57325
Ion Ratio Lower Upper
70 100
42 59.0 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#

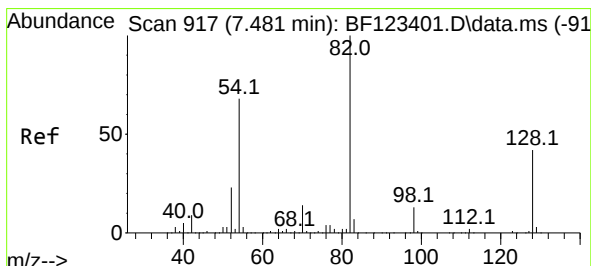
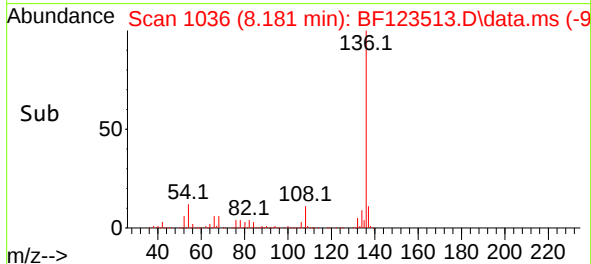
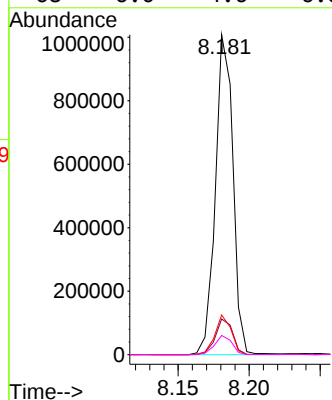
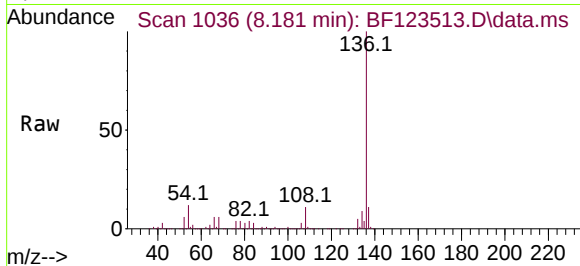




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

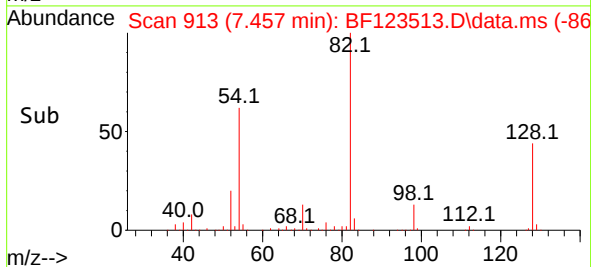
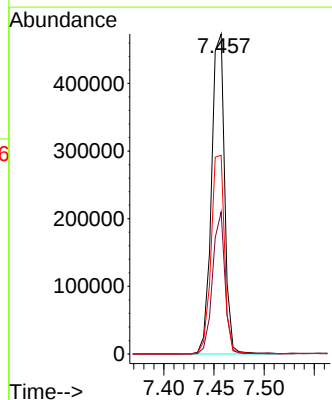
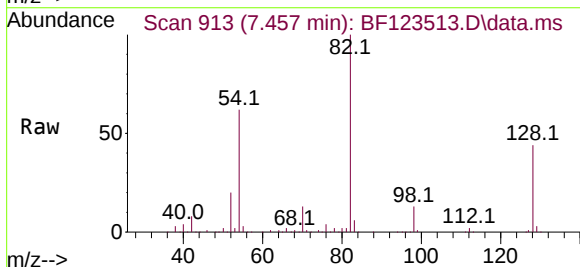
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

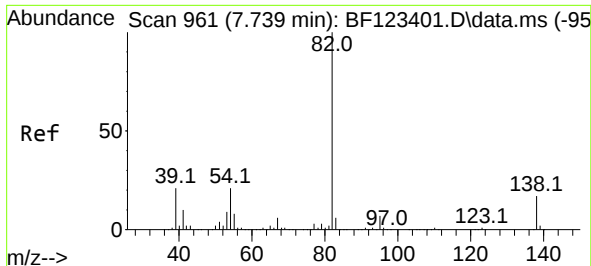
Tgt Ion:136	Resp: 864432
Ion Ratio	Lower Upper
136	100
137	11.2 8.8 13.2
54	12.4 5.5 8.3#
68	6.0 4.6 6.8



#23
Nitrobenzene-d5
Concen: 26.98 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion: 82	Resp: 432188
Ion Ratio	Lower Upper
82	100
128	44.4 37.0 55.4
54	62.1 38.4 57.6#

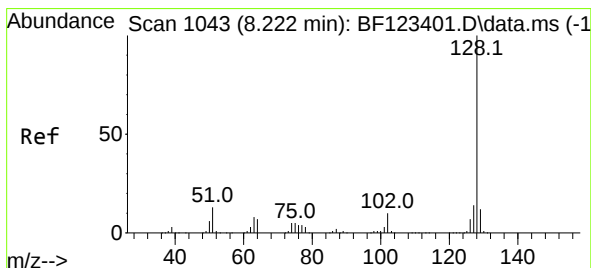
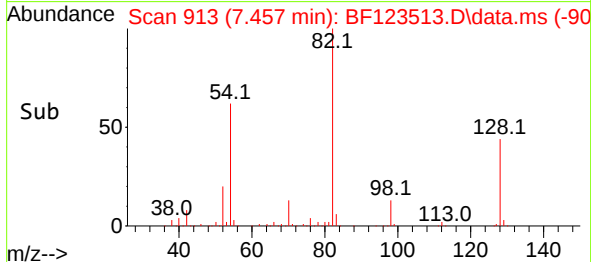
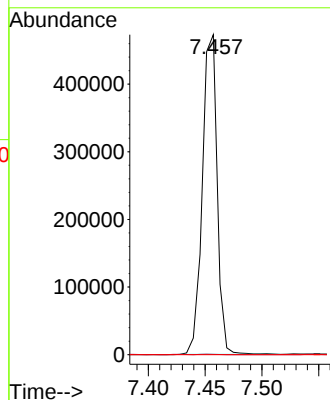
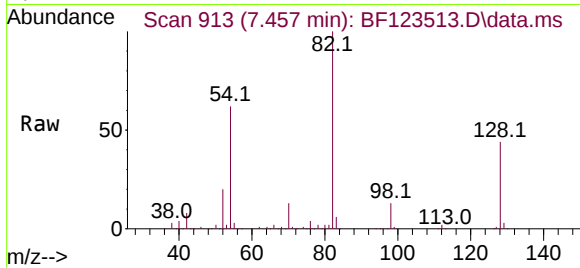




#25
Isophorone
Concen: 12.47 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.264 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

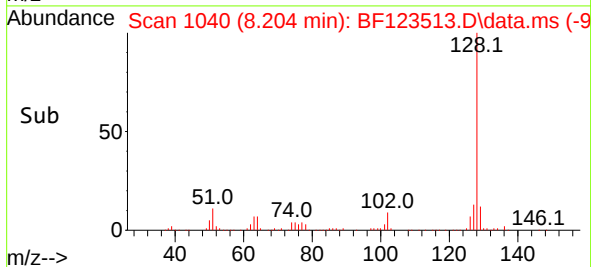
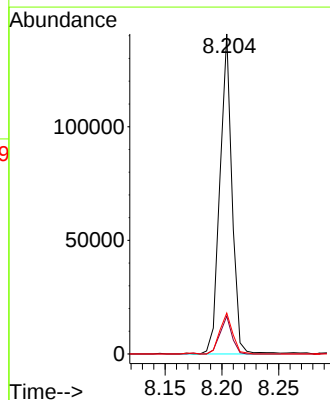
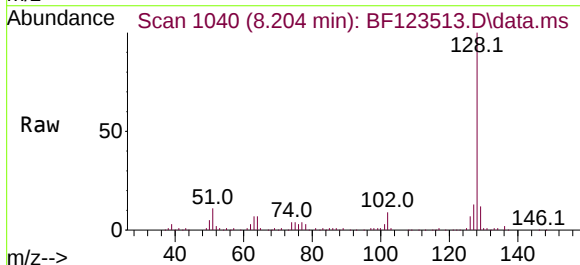
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

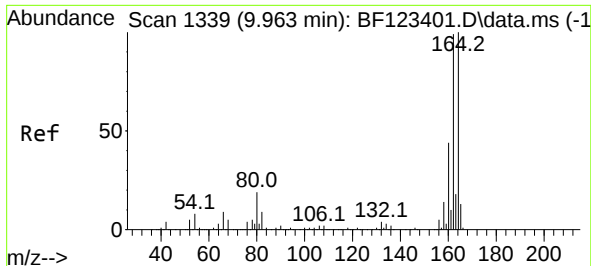
Tgt Ion: 82 Resp: 429517
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#31
Naphthalene
Concen: 2.25 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion: 128 Resp: 104369
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 12.8 10.7 16.1

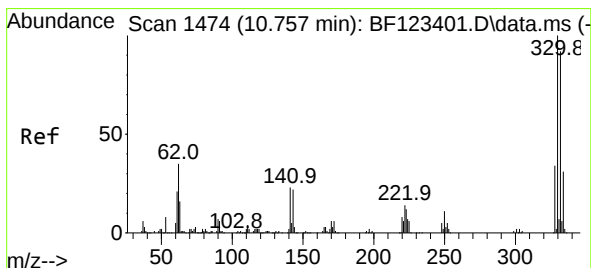
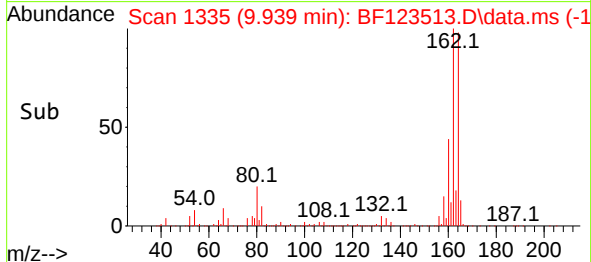
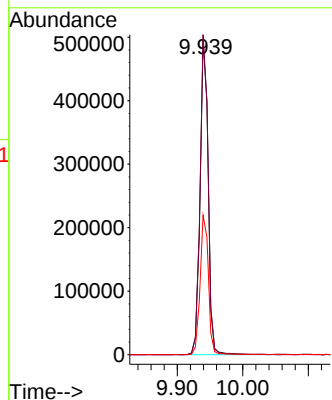
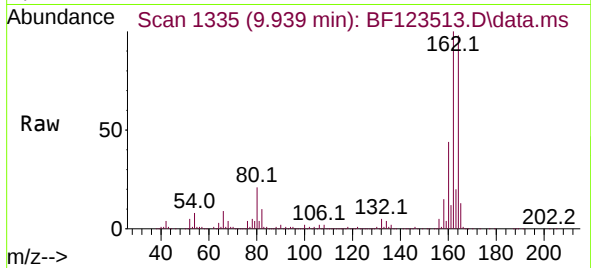




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

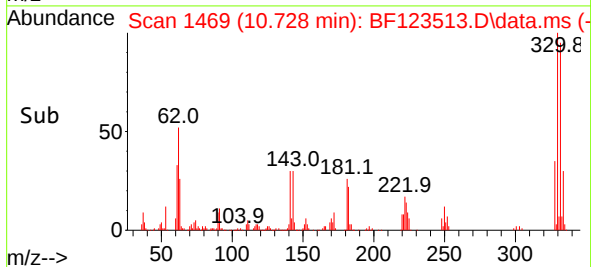
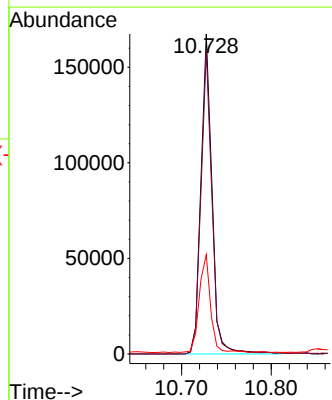
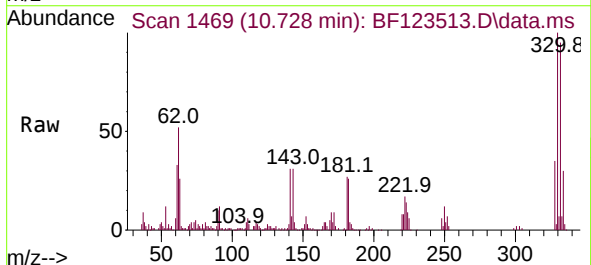
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ClientSampleId :
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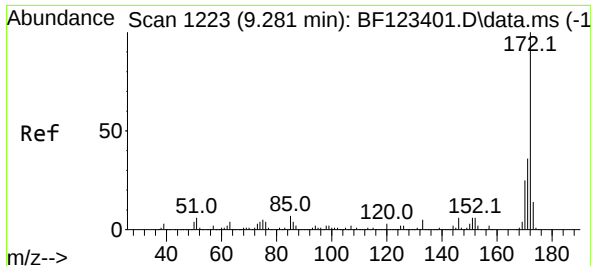
Tgt Ion:164 Resp: 425985
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 44.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 30.10 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.012 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:330 Resp: 143329
Ion Ratio Lower Upper
330 100
332 95.0 77.5 116.3
141 31.5 23.8 35.8

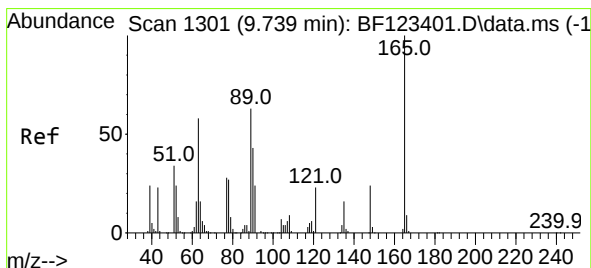
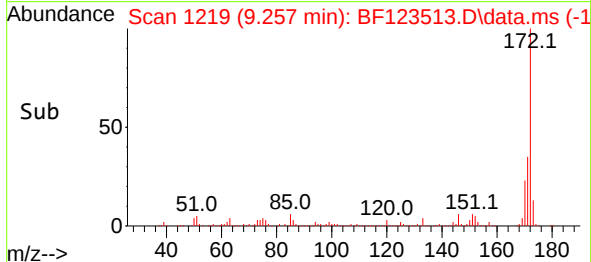
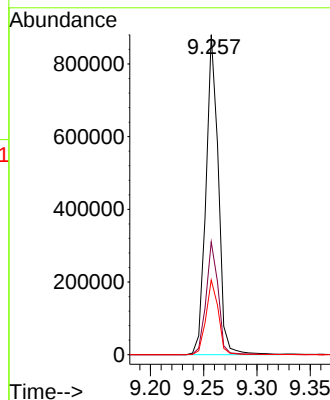
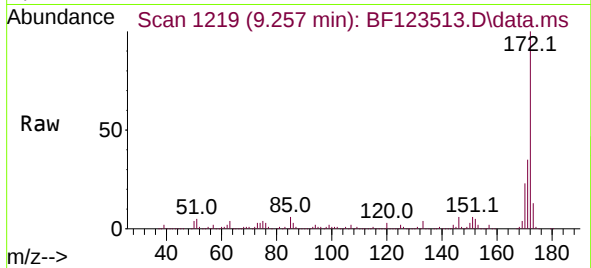




#45
2-Fluorobiphenyl
Concen: 23.98 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

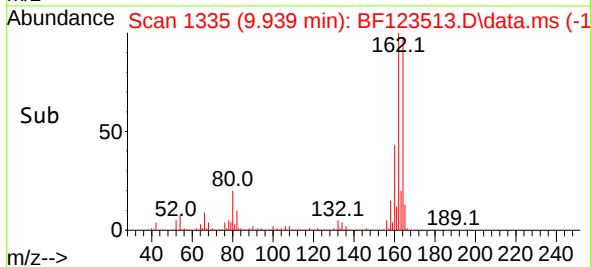
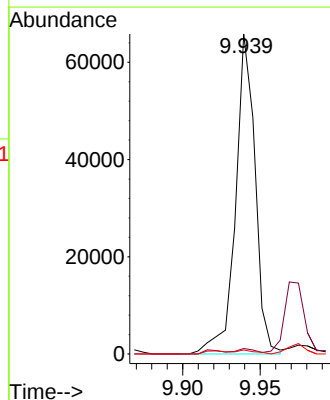
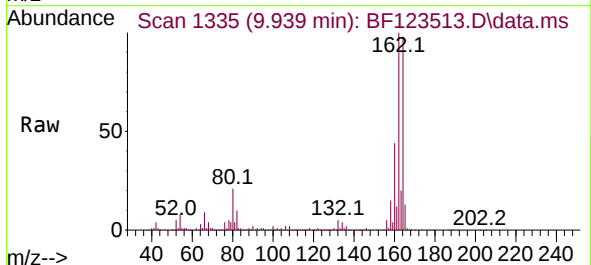
Instrument :
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ClientSampleId :
600486548-BIN-1

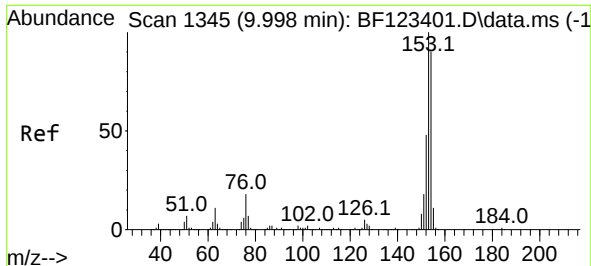
Tgt Ion:	172	Resp:	714927
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.6	44.4
170	23.3	19.5	29.3



#51
2,6-Dinitrotoluene
Concen: 9.14 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.212 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:	165	Resp:	57740
Ion Ratio	Lower	Upper	
165	100		
63	1.7	36.6	55.0#
89	1.3	39.4	59.0#

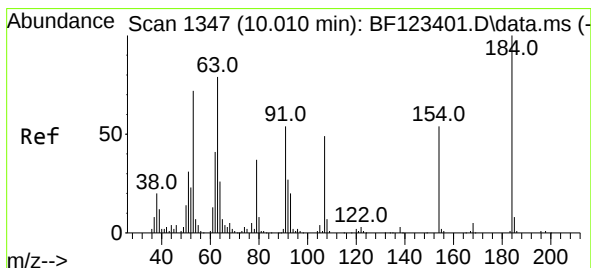
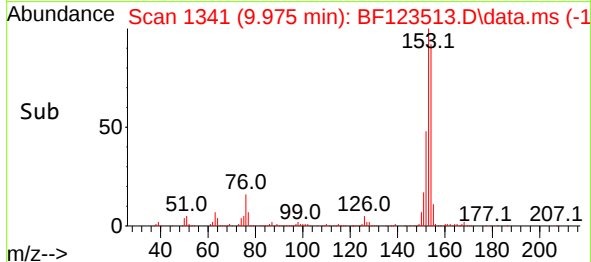
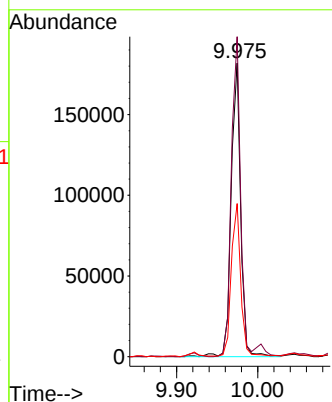
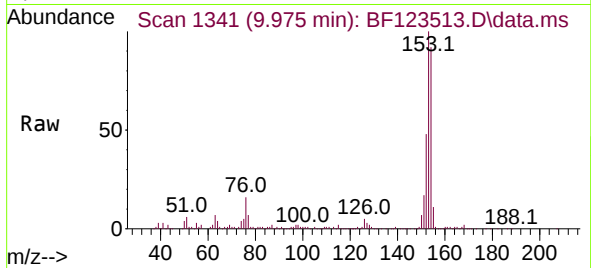




#52
Acenaphthene
Concen: 5.63 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

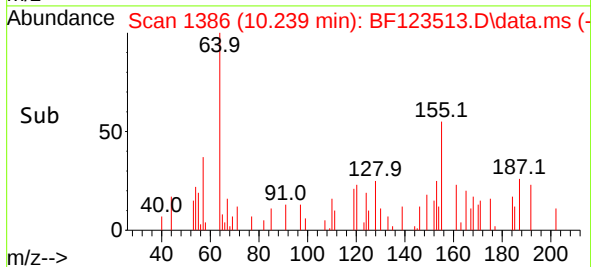
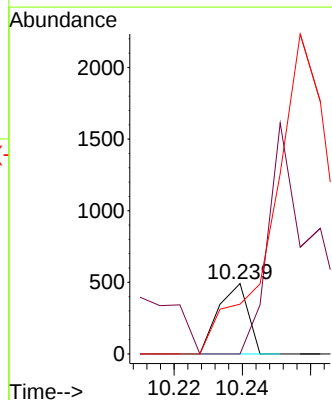
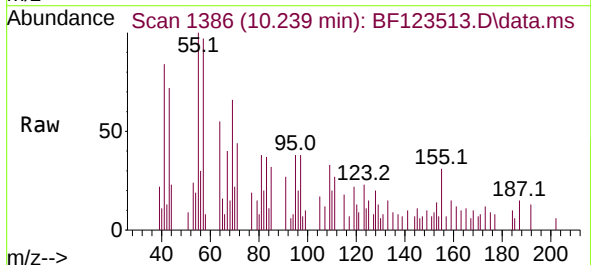
Instrument :
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600486548-BIN-1

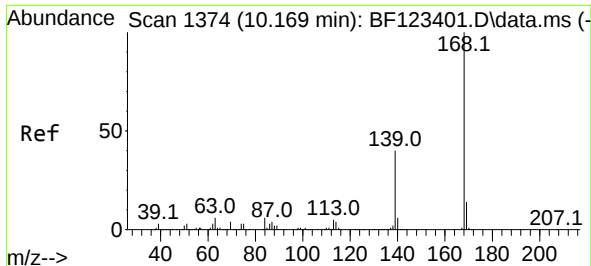
Tgt Ion:154 Resp: 147165
Ion Ratio Lower Upper
154 100
153 109.0 89.0 133.6
152 52.2 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 8.73 ng
RT: 10.239 min Scan# 1386
Delta R.T. 0.241 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:184 Resp: 296
Ion Ratio Lower Upper
184 100
63 0.0 51.4 77.2#
154 70.7 49.7 74.5

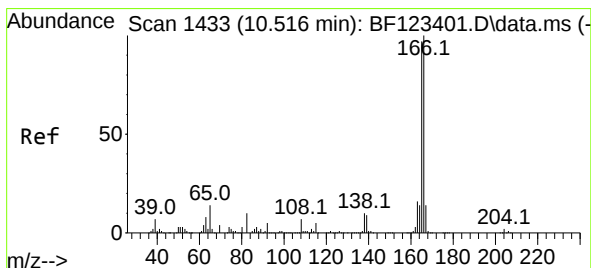
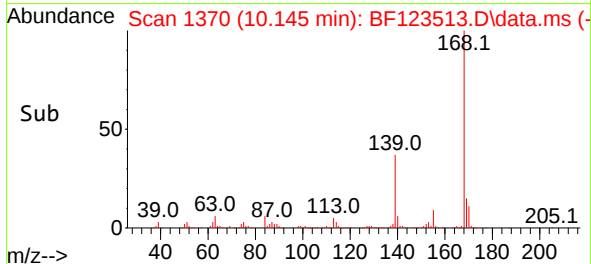
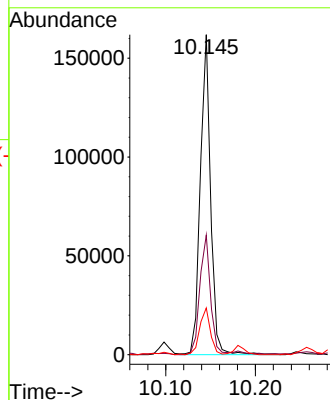
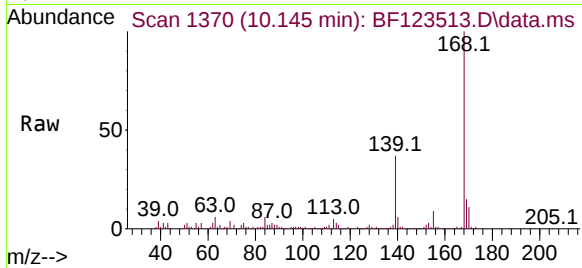




#55
Dibenzenofuran
Concen: 3.43 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

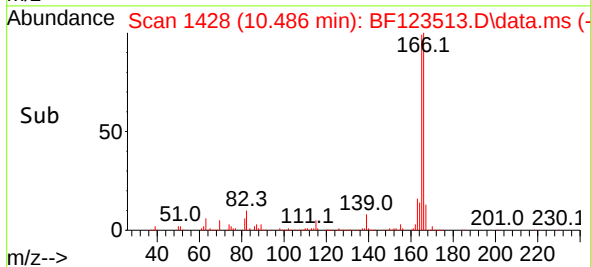
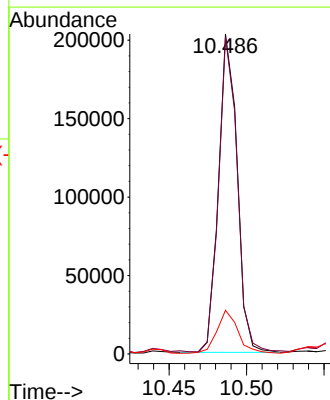
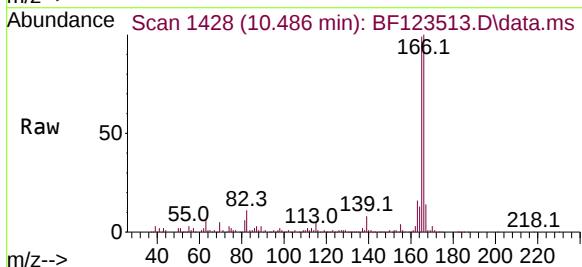
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

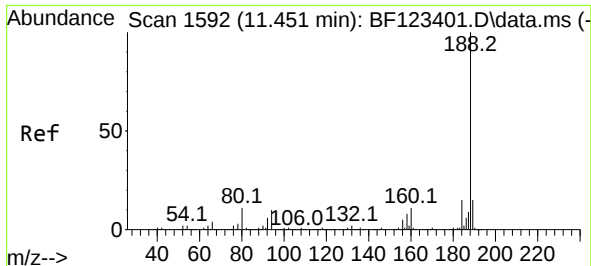
Tgt Ion:168 Resp: 128912
Ion Ratio Lower Upper
168 100
139 37.4 31.3 46.9
169 14.6 11.2 16.8



#58
Fluorene
Concen: 5.97 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:166 Resp: 169502
Ion Ratio Lower Upper
166 100
165 99.0 79.4 119.0
167 13.7 10.9 16.3

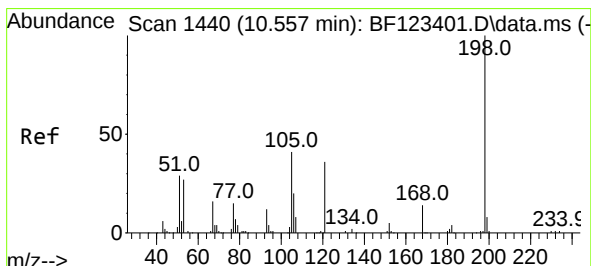
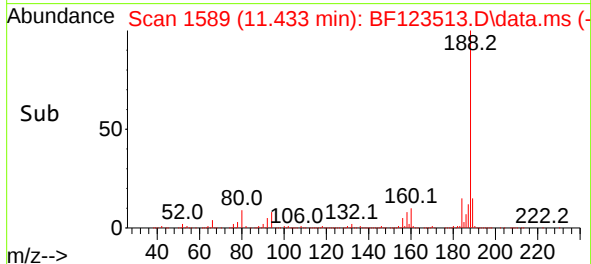
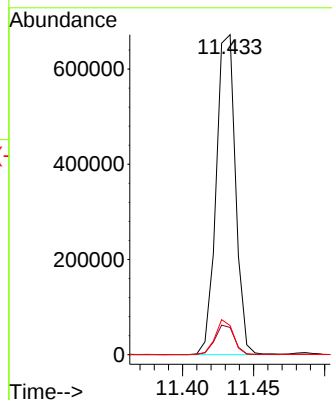
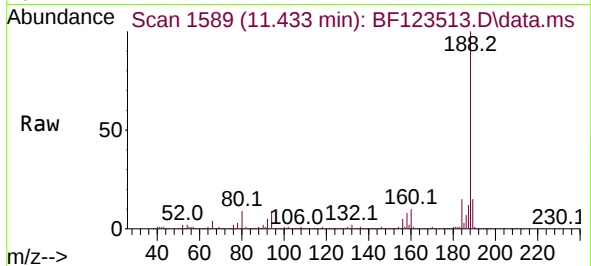




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

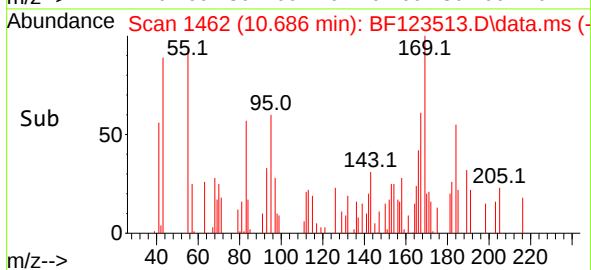
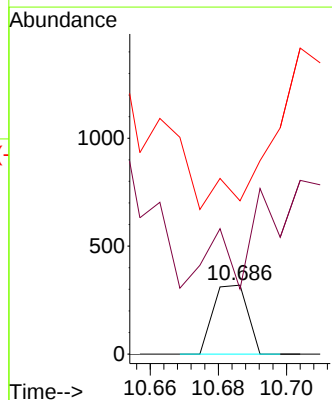
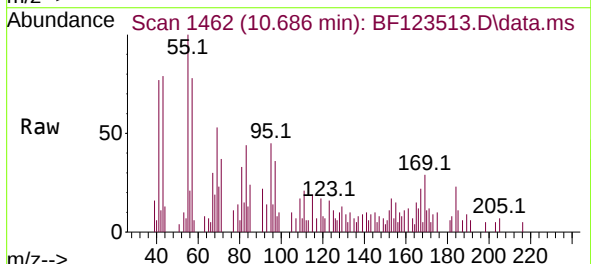
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

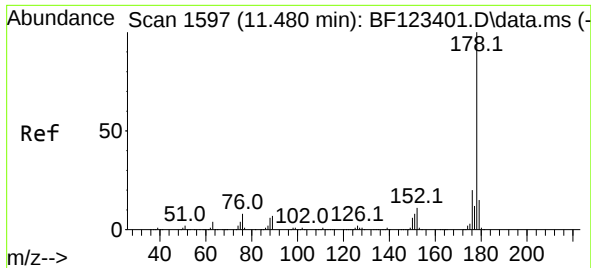
Tgt Ion:188 Resp: 635868
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.1 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.18 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.147 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:198 Resp: 222
Ion Ratio Lower Upper
198 100
51 94.4 20.3 60.3#
105 222.6 23.0 63.0#

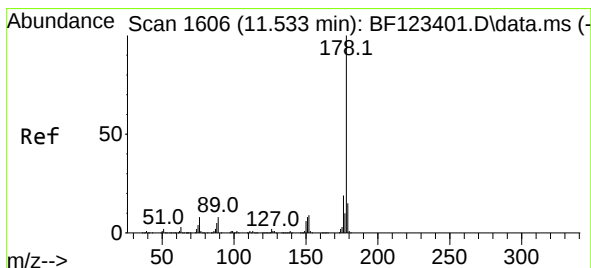
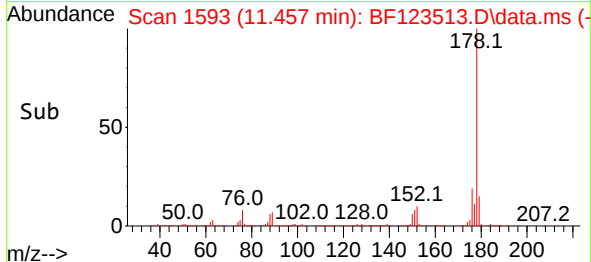
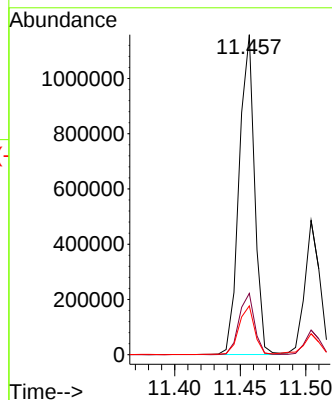
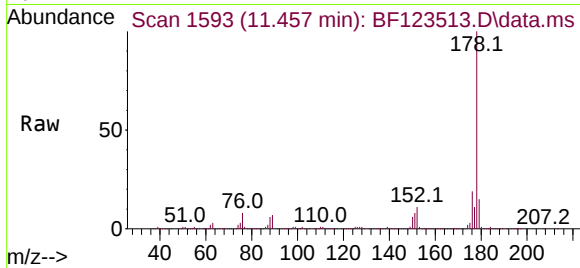




#71
Phenanthrene
Concen: 27.12 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

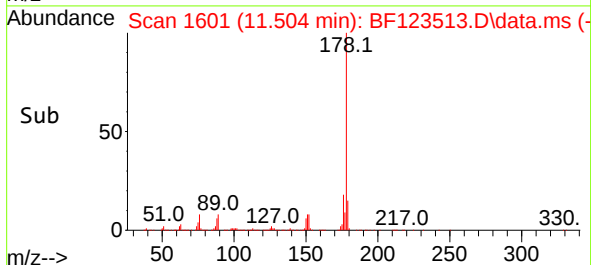
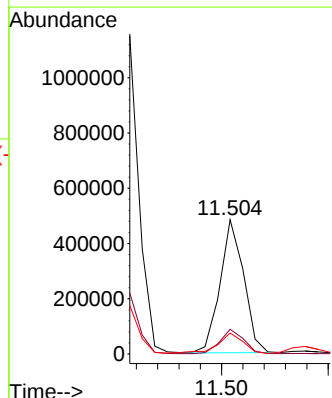
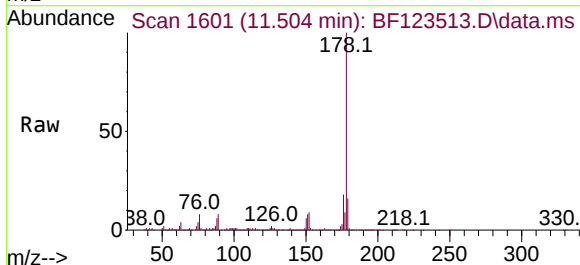
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

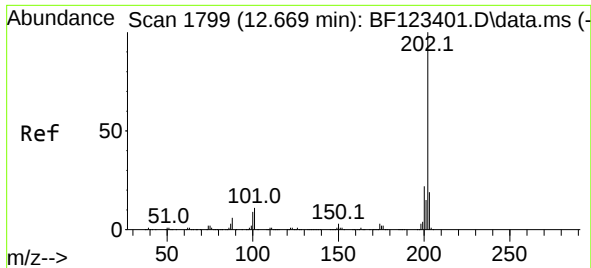
Tgt Ion:178 Resp: 953153
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 15.2 12.7 19.1



#72
Anthracene
Concen: 10.56 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.012 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:178 Resp: 373437
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.6 12.8 19.2

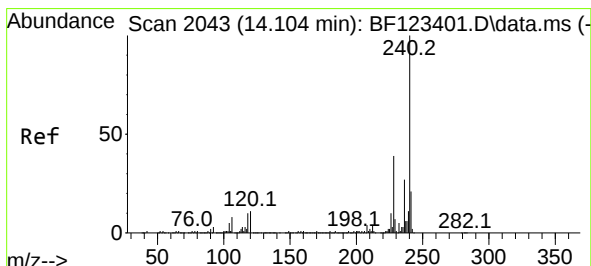
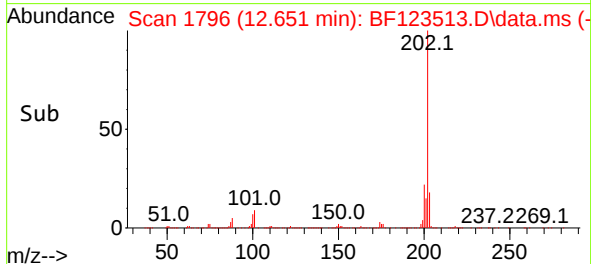
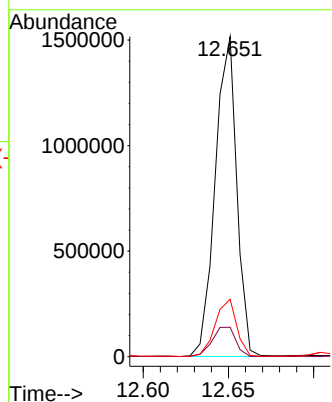
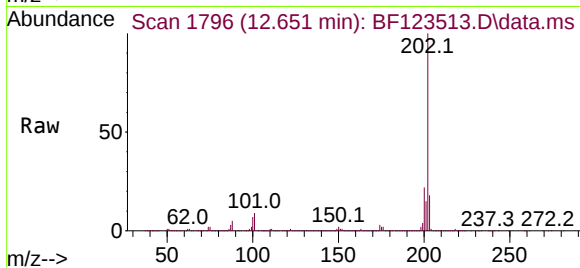




#75
Fluoranthene
Concen: 35.00 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

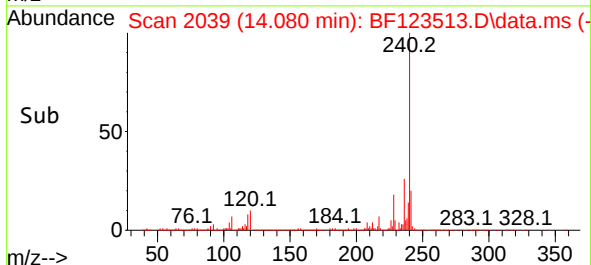
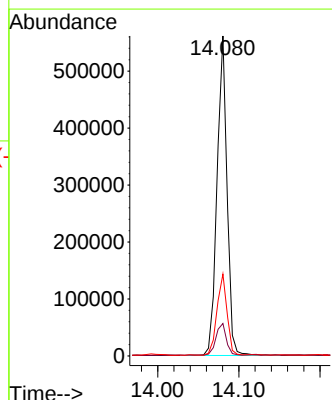
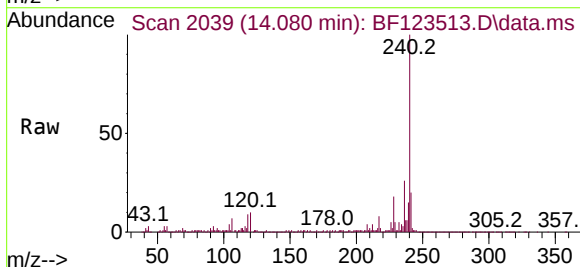
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

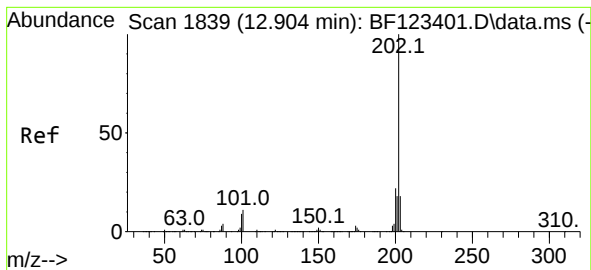
Tgt Ion:202 Resp: 1331926
Ion Ratio Lower Upper
202 100
101 9.2 0.0 32.2
203 18.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:240 Resp: 479654
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.6 20.3 30.5





#78

Pyrene

Concen: 26.70 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF123513.D

Acq: 30 Mar 2021 00:35

Tgt Ion:202 Resp: 1104804

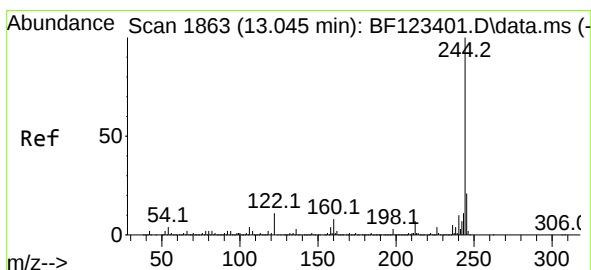
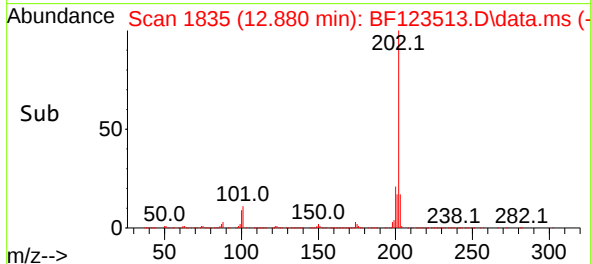
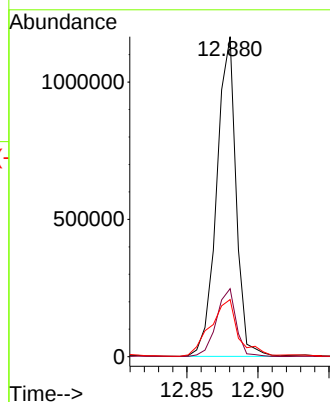
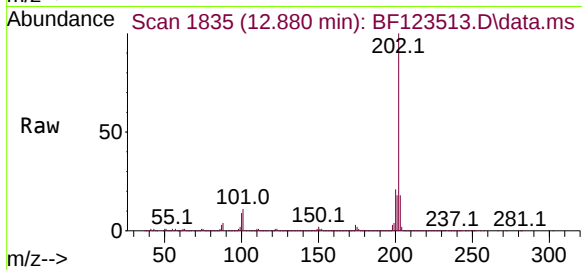
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.9	14.6	21.8

Instrument :

BNA_F

ClientSampleId :

600486548-BIN-1



#79

Terphenyl-d14

Concen: 17.79 ng

RT: 13.016 min Scan# 1858

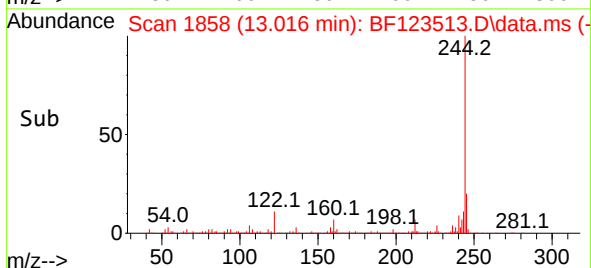
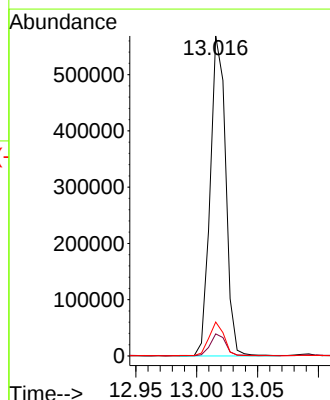
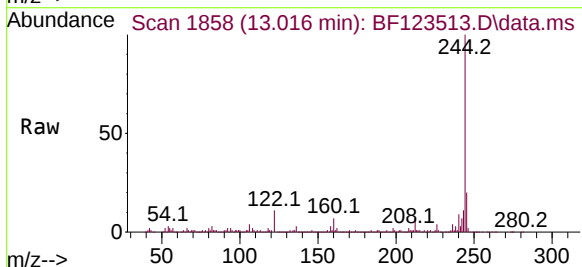
Delta R.T. -0.012 min

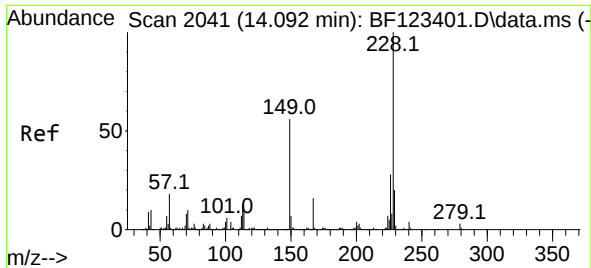
Lab File: BF123513.D

Acq: 30 Mar 2021 00:35

Tgt Ion:244 Resp: 503605

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.6	8.3	12.5

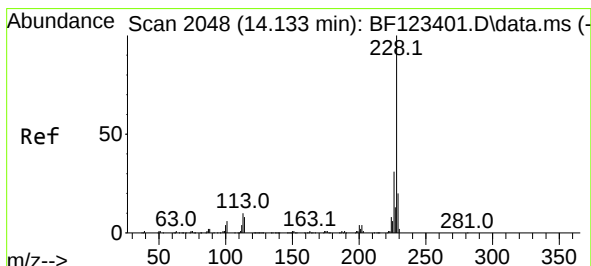
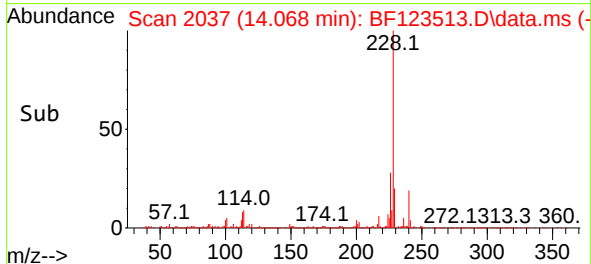
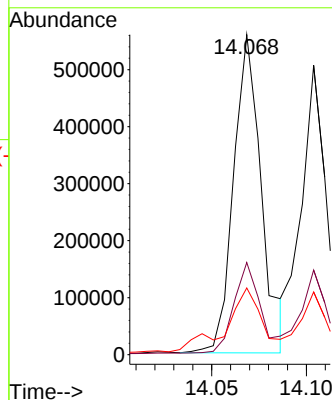
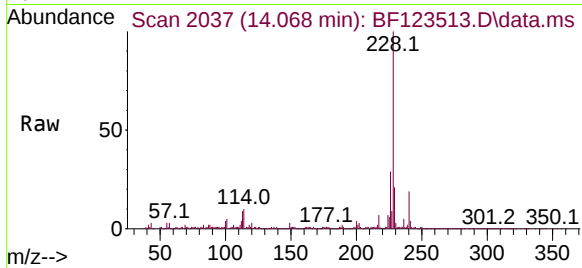




#81
Benzo(a)anthracene
Concen: 18.06 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

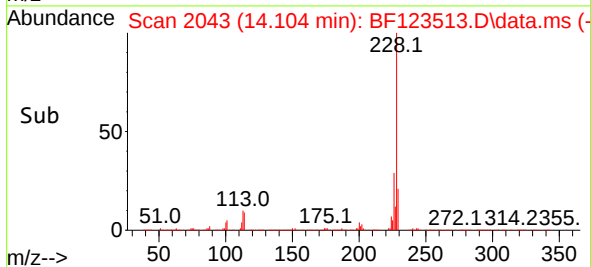
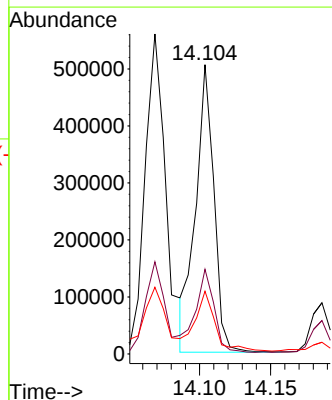
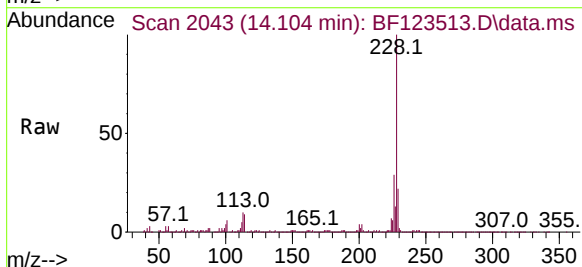
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

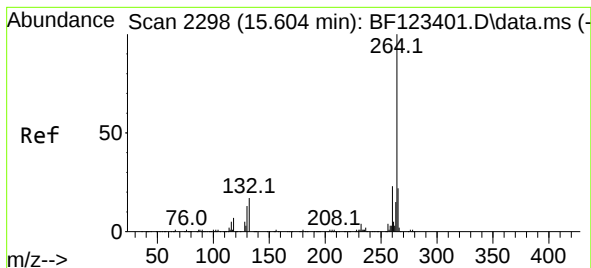
Tgt Ion:228 Resp: 566884
Ion Ratio Lower Upper
228 100
226 28.8 23.0 34.4
229 20.8 16.6 24.8



#83
Chrysene
Concen: 13.96 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.012 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:228 Resp: 452400
Ion Ratio Lower Upper
228 100
226 29.3 24.6 36.8
229 21.7 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.580 min Scan# 2294

Delta R.T. 0.000 min

Lab File: BF123513.D

Acq: 30 Mar 2021 00:35

Tgt Ion:264 Resp: 513661

Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

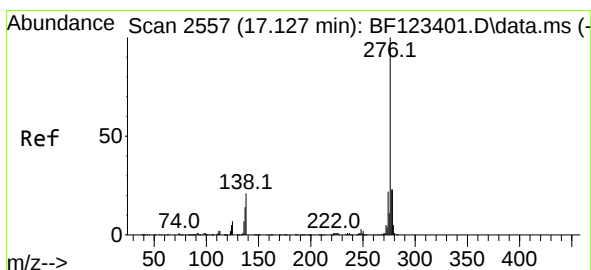
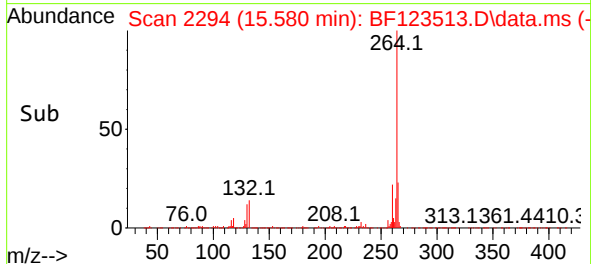
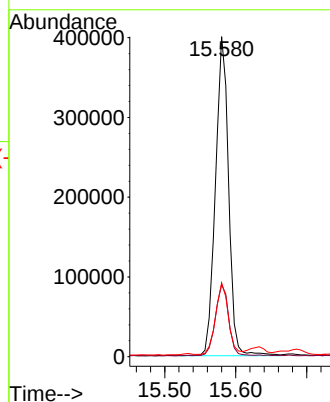
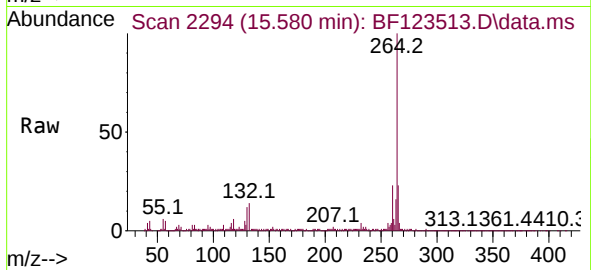
265 23.1 17.0 25.6

Instrument :

BNA_F

ClientSampleId :

600486548-BIN-1



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.41 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF123513.D

Acq: 30 Mar 2021 00:35

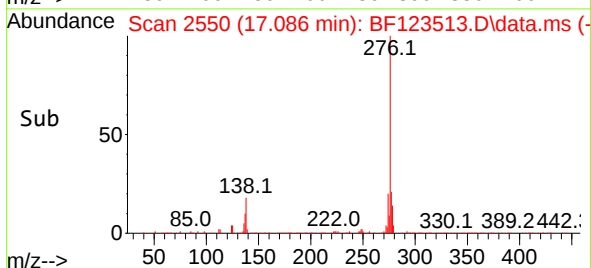
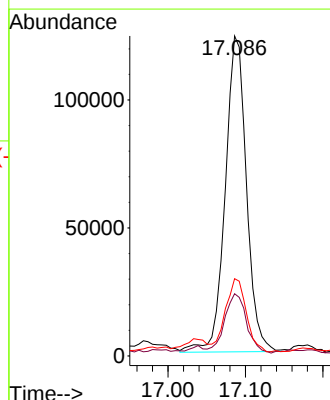
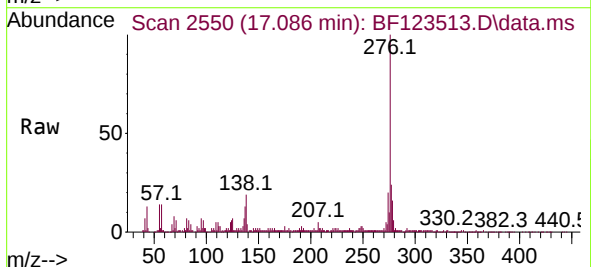
Tgt Ion:276 Resp: 236428

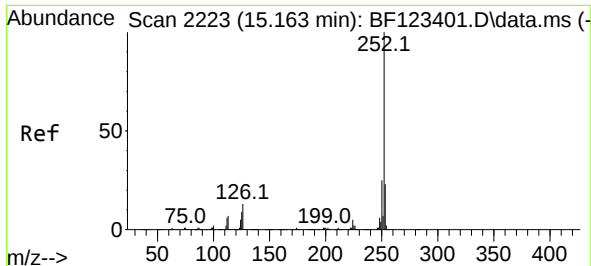
Ion Ratio Lower Upper

276 100

138 19.2 18.7 28.1

277 22.8 20.2 30.4

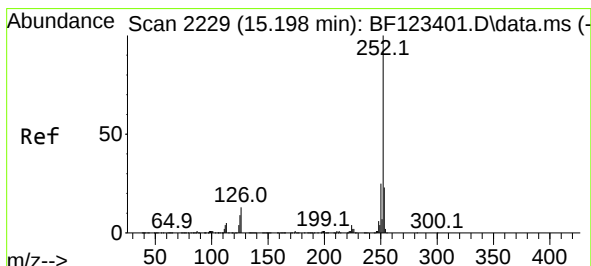
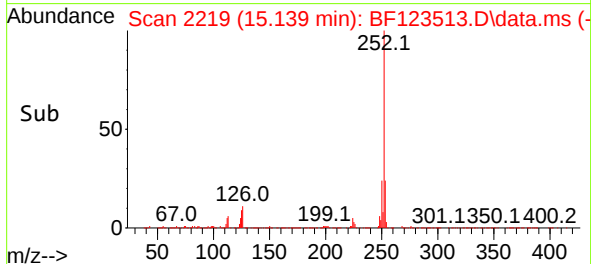
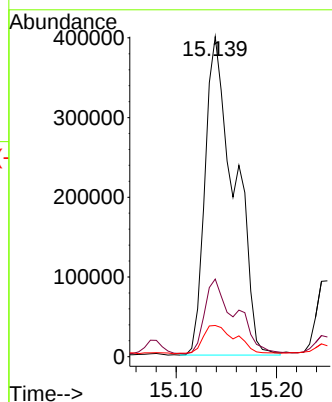
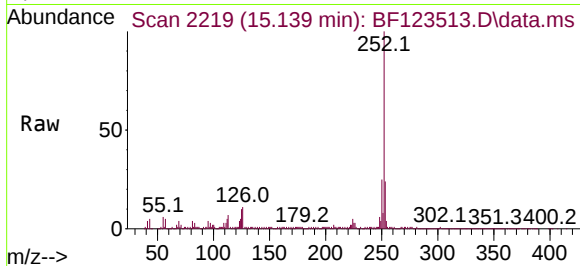




#88
Benzo(b)fluoranthene
Concen: 23.16 ng
RT: 15.139 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

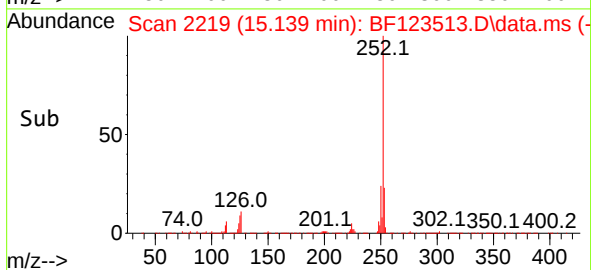
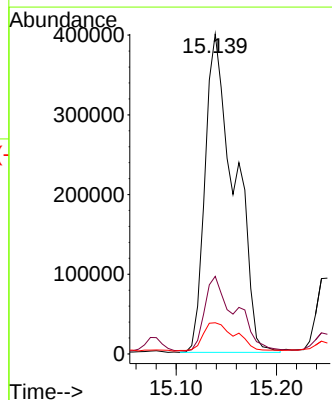
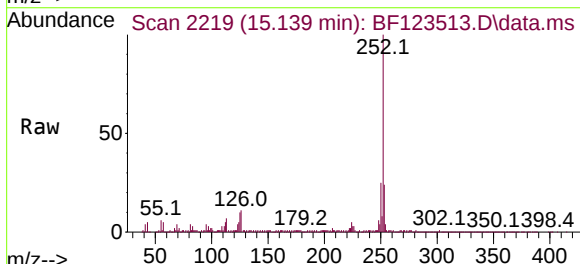
Instrument :
BNA_F
ClientSampleId :
600486548-BIN-1

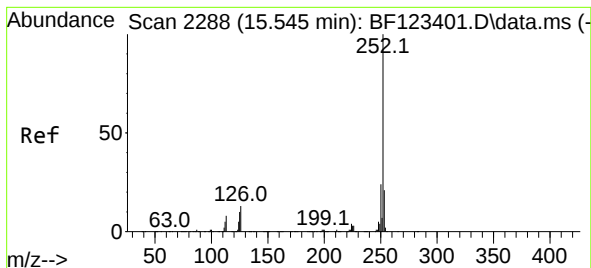
Tgt Ion:252 Resp: 820662
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 9.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 24.50 ng
RT: 15.139 min Scan# 2219
Delta R.T. -0.035 min
Lab File: BF123513.D
Acq: 30 Mar 2021 00:35

Tgt Ion:252 Resp: 820662
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 9.8 8.4 12.6





#90

Benzo(a)pyrene

Concen: 15.17 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF123513.D

Acq: 30 Mar 2021 00:35

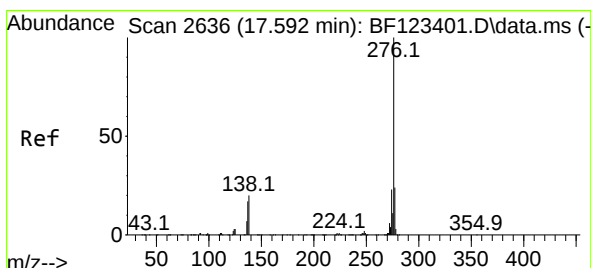
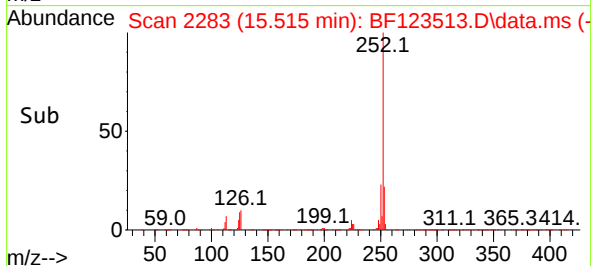
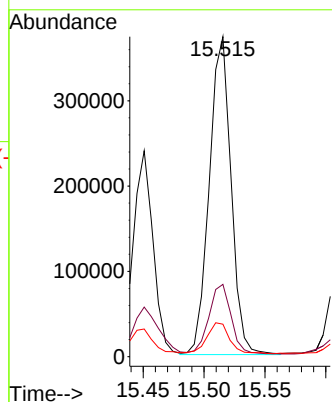
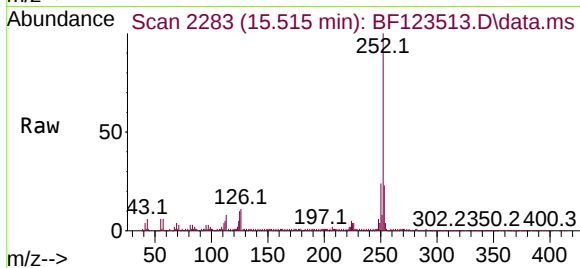
Tgt Ion:	252	Resp:	463945
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	10.2	8.6	12.8

Instrument :

BNA_F

ClientSampleId :

600486548-BIN-1



#92

Benzo(g,h,i)perylene

Concen: 7.59 ng

RT: 17.545 min Scan# 2628

Delta R.T. -0.012 min

Lab File: BF123513.D

Acq: 30 Mar 2021 00:35

Tgt Ion:	276	Resp:	205779
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.3	28.9
138	17.2	16.6	24.8

