

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012921\
 Data File : BF123084.D
 Acq On : 29 Jan 2021 16:10
 Operator : JU/CG
 Sample : M1254-06DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-5DL

Quant Time: Jan 29 22:35:58 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

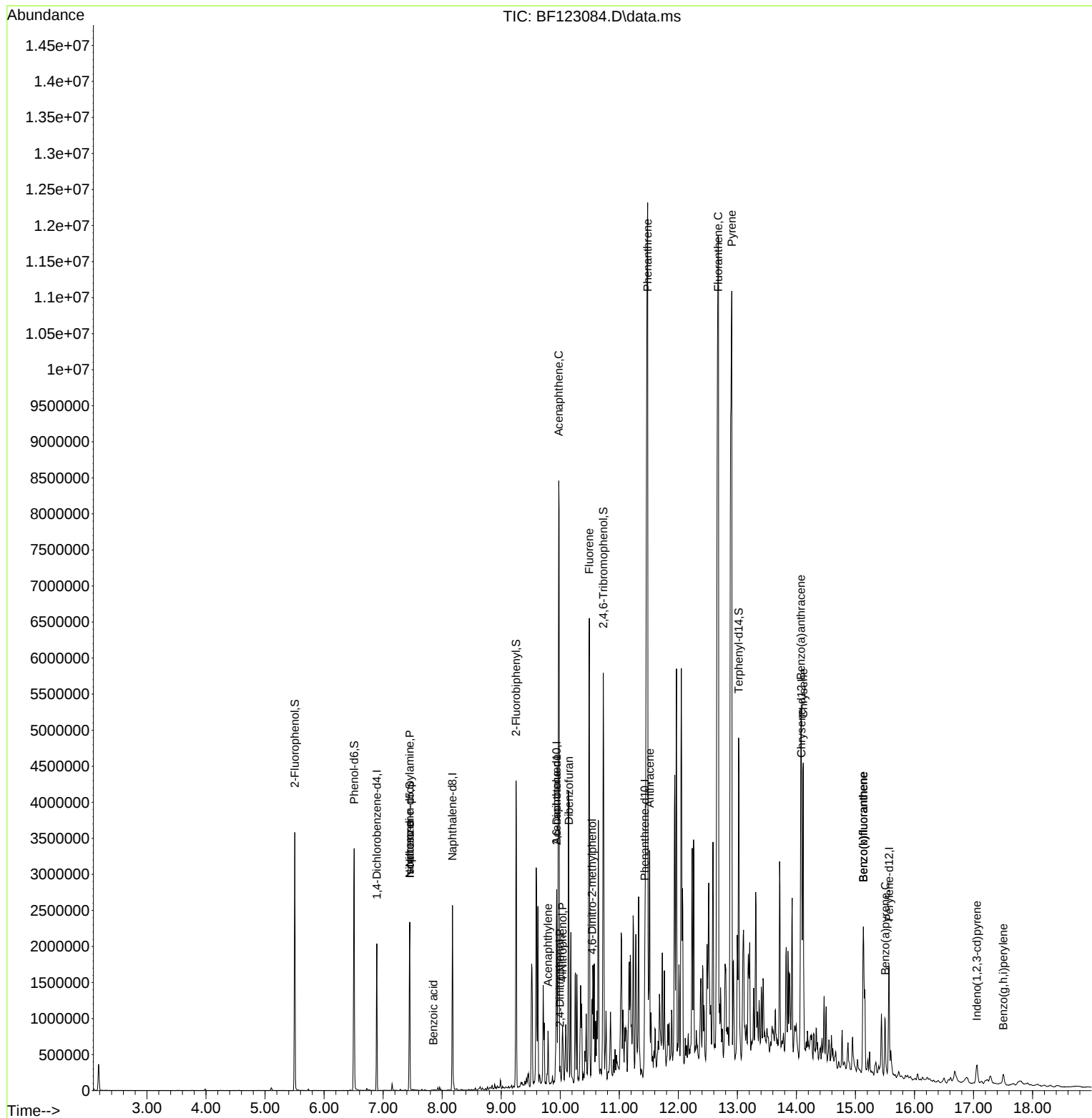
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	281591	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	1082632	20.00	ng	# 0.00
39) Acenaphthene-d10	9.939	164	580435	20.00	ng	0.00
64) Phenanthrene-d10	11.433	188	1004443	20.00	ng	0.00
76) Chrysene-d12	14.086	240	719254	20.00	ng	0.00
86) Perylene-d12	15.568	264	655527	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	947595	51.91	ng	0.00
7) Phenol-d6	6.510	99	1193571	48.24	ng	0.00
23) Nitrobenzene-d5	7.451	82	738887	34.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	317418	50.38	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1368450	35.05	ng	-0.01
79) Terphenyl-d14	13.021	244	1395787	38.13	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	98807	6.64	ng	# 78
25) Isophorone	7.451	82	738872	18.75	ng	# 65
32) Benzoic acid	7.851	122	3944	5.18	ng	93
49) Acenaphthylene	9.792	152	189858	3.25	ng	# 95
51) 2,6-Dinitrotoluene	9.939	165	93511	9.64	ng	# 32
52) Acenaphthene	9.974	154	2338956	62.42	ng	97
54) 2,4-Dinitrophenol	9.992	184	436	6.93	ng	# 1
55) Dibenzofuran	10.145	168	977685	17.93	ng	96
56) 4-Nitrophenol	10.039	139	19429	2.34	ng	# 32
58) Fluorene	10.492	166	1826254	41.93	ng	98
65) 4,6-Dinitro-2-methylph...	10.539	198	1070	5.15	ng	# 1
71) Phenanthrene	11.480	178	8535490	136.83	ng	93
72) Anthracene	11.516	178	1165240	19.47	ng	99
75) Fluoranthene	12.674	202	8799908	141.14	ng	96
78) Pyrene	12.904	202	6413823	118.12	ng	94
81) Benzo(a)anthracene	14.074	228	2032891	41.76	ng	98
83) Chrysene	14.115	228	1660307	34.08	ng	97
87) Indeno(1,2,3-cd)pyrene	17.056	276	174331	3.99	ng	97
88) Benzo(b)fluoranthene	15.133	252	1546344	32.68	ng	98
89) Benzo(k)fluoranthene	15.133	252	1546344	35.17	ng	99
90) Benzo(a)pyrene	15.504	252	402522	9.69	ng	99
92) Benzo(g,h,i)perylene	17.503	276	117240	3.37	ng	95

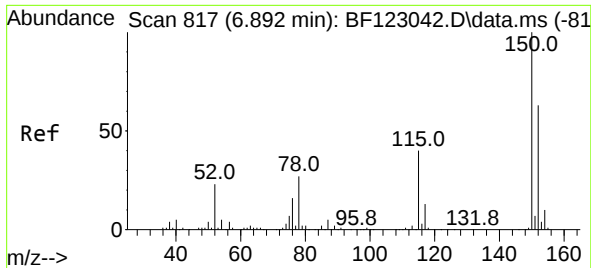
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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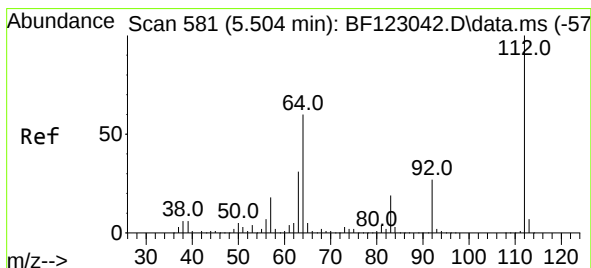
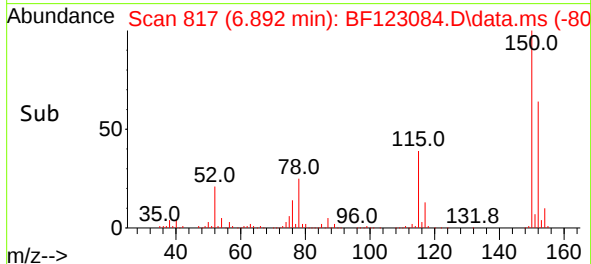
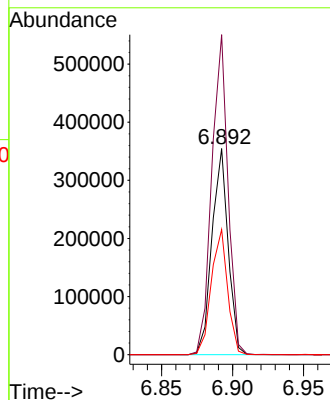
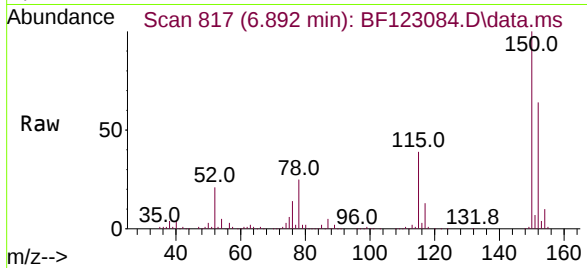




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

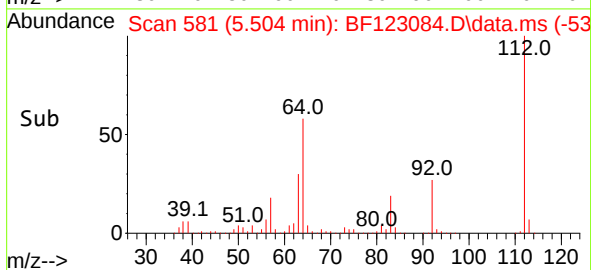
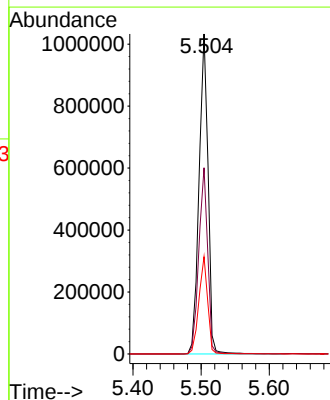
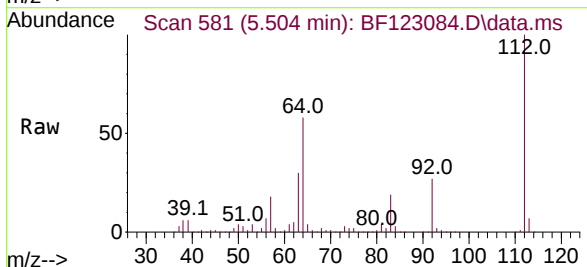
Instrument :
BNA_F
ClientSampled :
CRT-5DL

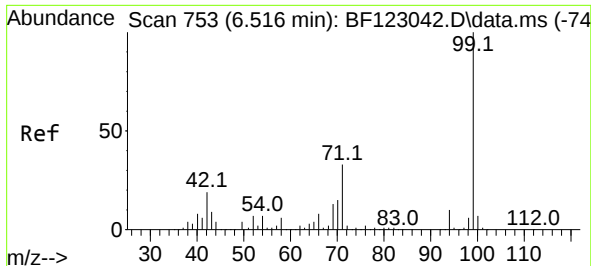
Tgt Ion:152 Resp: 281591
Ion Ratio Lower Upper
152 100
150 155.2 125.8 188.6
115 60.7 49.3 73.9



#5
2-Fluorophenol
Concen: 51.91 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:112 Resp: 947595
Ion Ratio Lower Upper
112 100
64 58.2 46.9 70.3
63 30.4 24.5 36.7

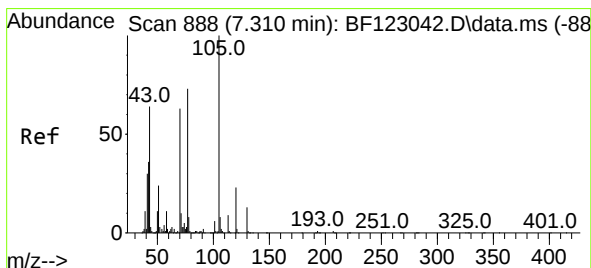
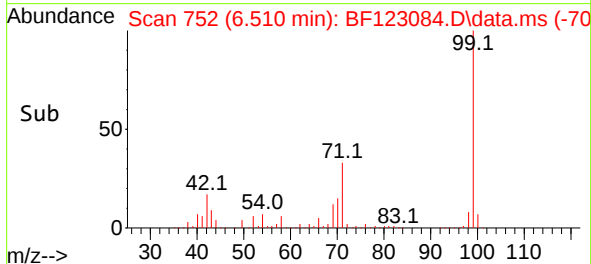
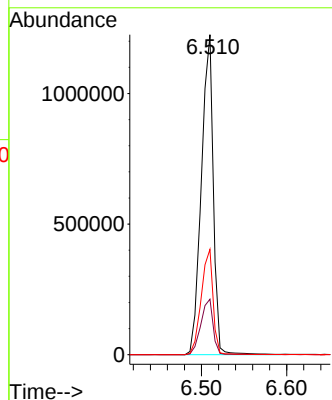
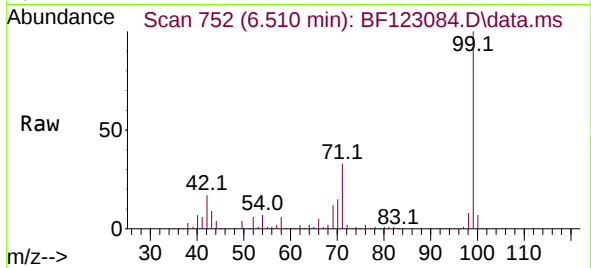




#7
Phenol-d6
Concen: 48.24 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

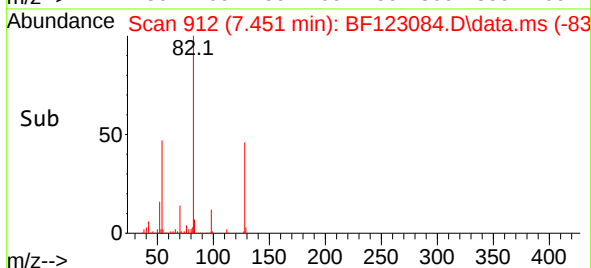
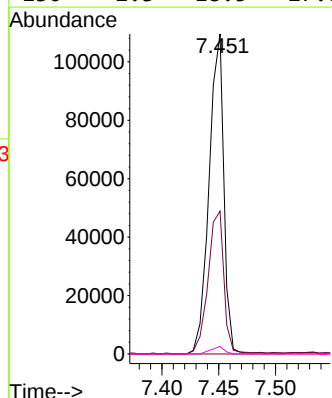
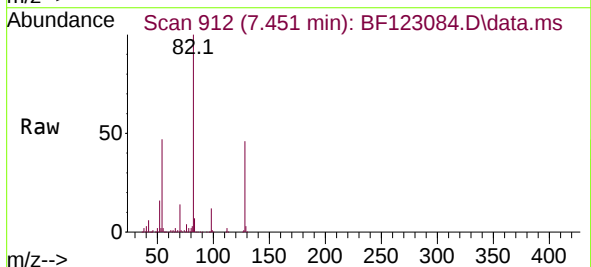
Instrument :
BNA_F
ClientSampleId :
CRT-5DL

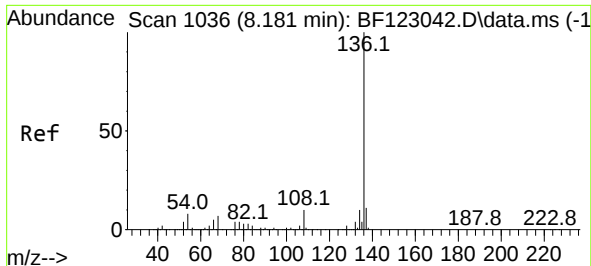
Tgt Ion: 99 Resp: 1193571
Ion Ratio Lower Upper
99 100
42 17.3 13.8 20.6
71 32.9 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.64 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion: 70 Resp: 98807
Ion Ratio Lower Upper
70 100
42 44.6 43.0 64.4
101 0.0 7.9 11.9#
130 2.3 18.5 27.7#



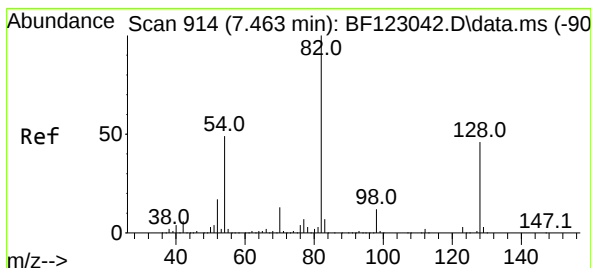
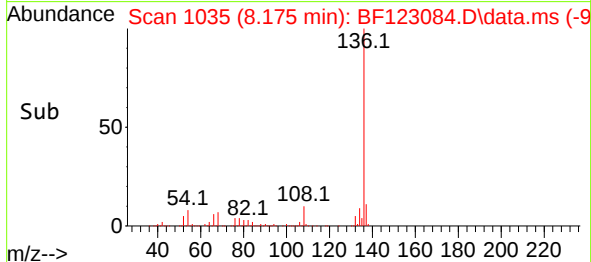
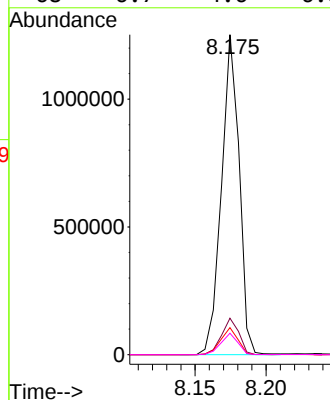
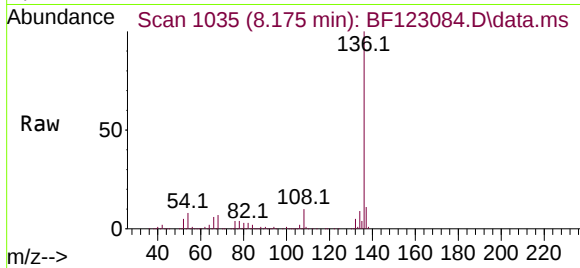


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Instrument :
BNA_F
ClientSampleId :
CRT-5DL

Tgt Ion:136 Resp: 1082632

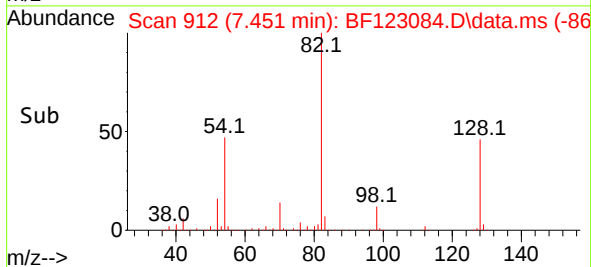
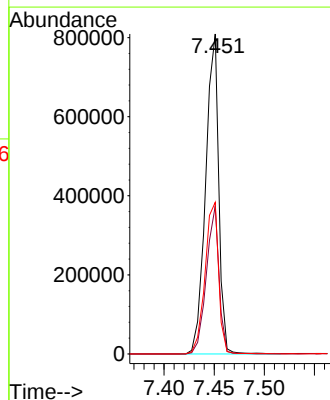
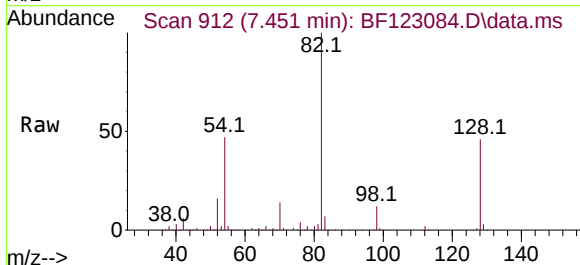
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.5	5.5	8.3#
68	6.7	4.6	6.8

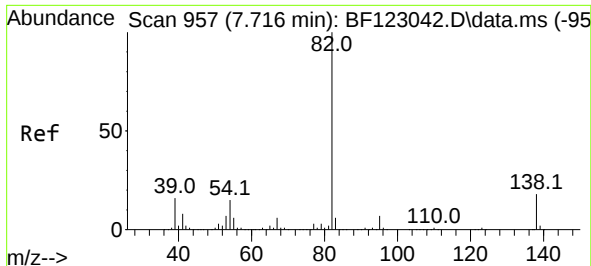


#23
Nitrobenzene-d5
Concen: 34.35 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion: 82 Resp: 738887

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.4
54	47.4	38.4	57.6

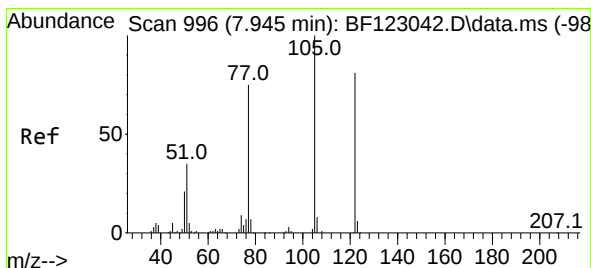
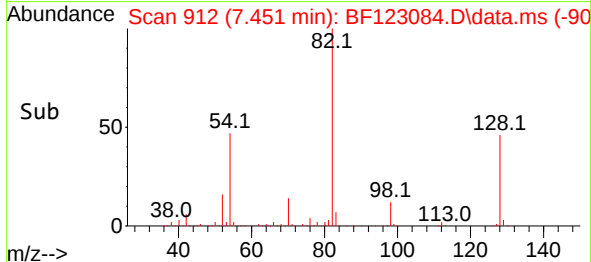
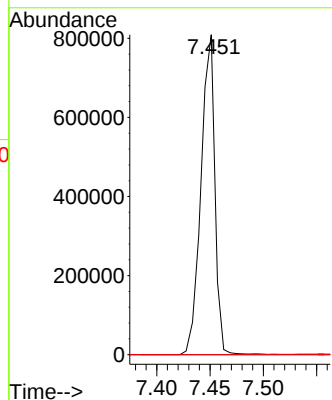
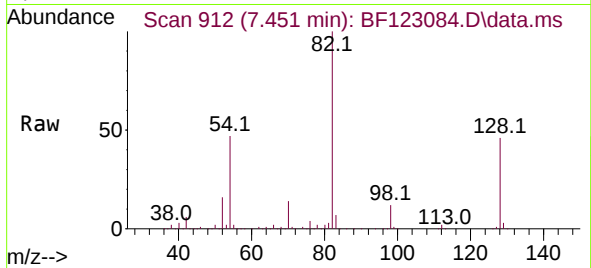




#25
Isophorone
Concen: 18.75 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

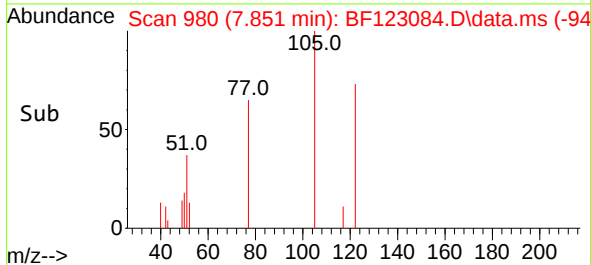
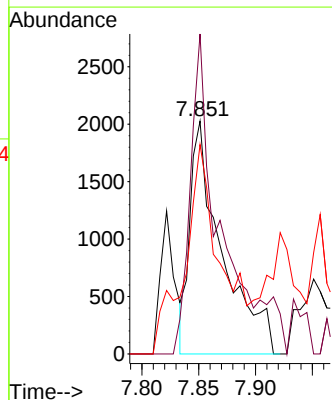
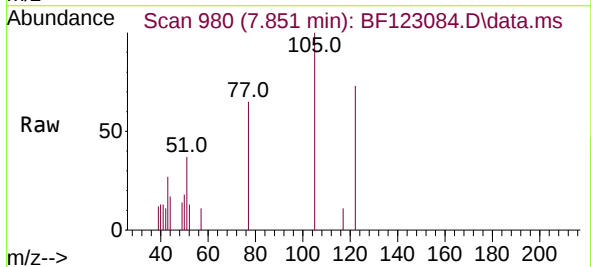
Instrument :
BNA_F
ClientSampleId :
CRT-5DL

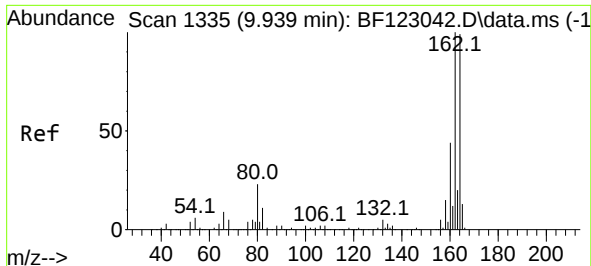
Tgt Ion: 82 Resp: 738872
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 5.18 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.094 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion: 122 Resp: 3944
Ion Ratio Lower Upper
122 100
105 137.4 104.8 144.8
77 90.0 71.0 111.0

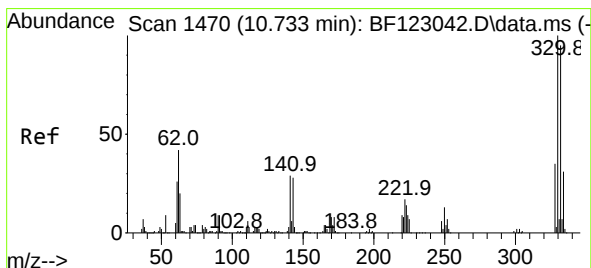
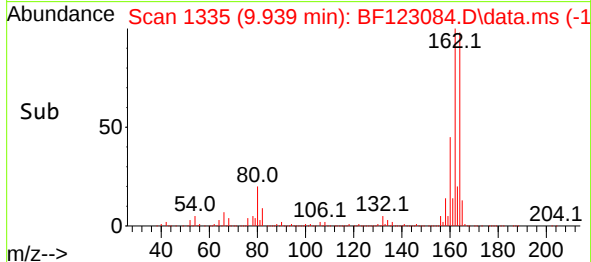
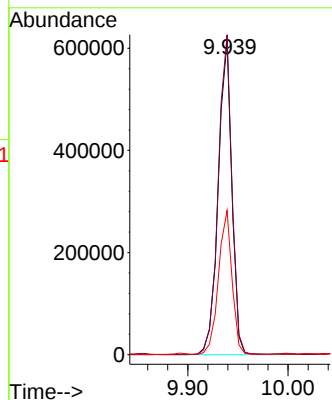
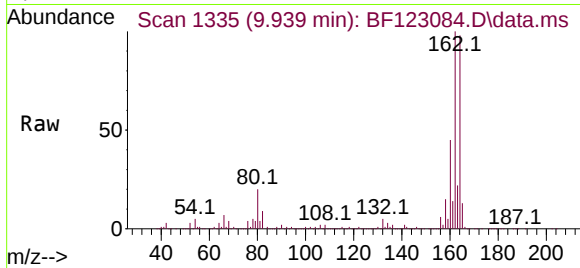




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

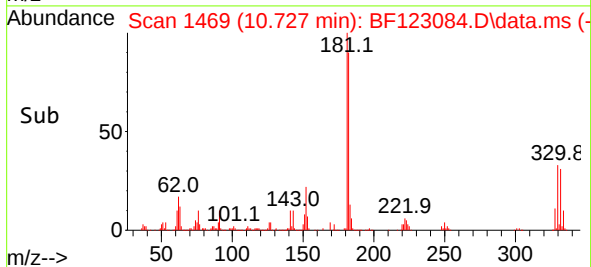
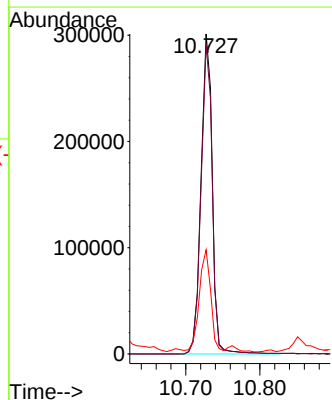
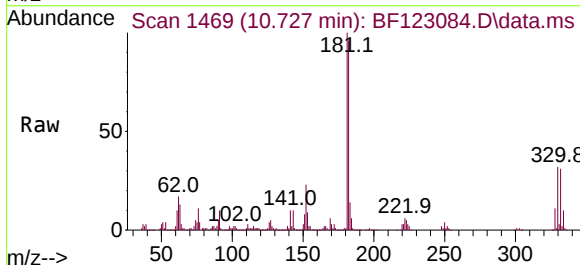
Instrument :
BNA_F
ClientSampled :
CRT-5DL

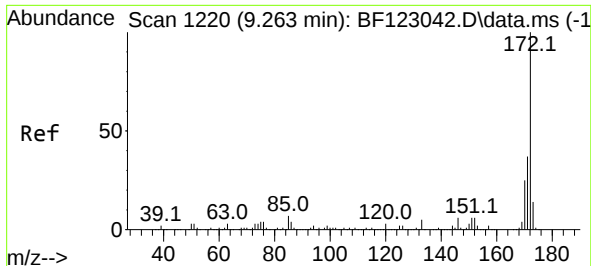
Tgt Ion:164 Resp: 580435
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 45.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 50.38 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:330 Resp: 317418
Ion Ratio Lower Upper
330 100
332 95.8 77.5 116.3
141 31.3 23.8 35.8



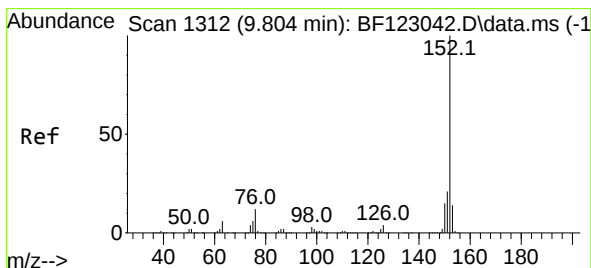
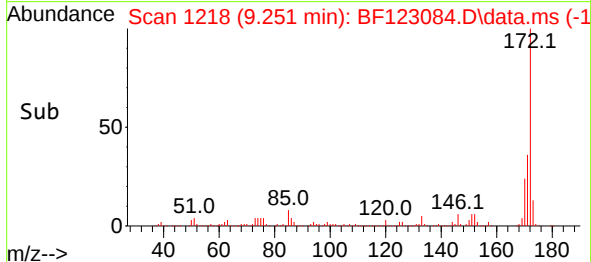
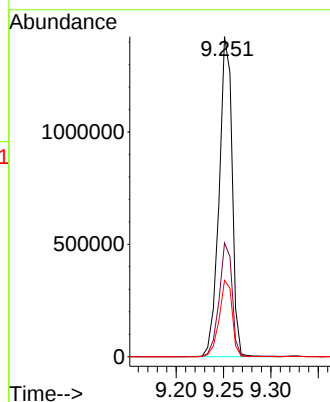
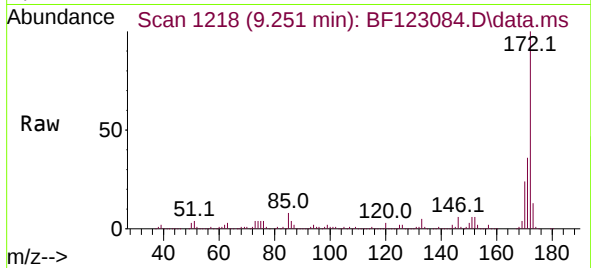


#45
2-Fluorobiphenyl
Concen: 35.05 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Instrument :
BNA_F
ClientSampleId :
CRT-5DL

Tgt Ion:172 Resp: 1368450

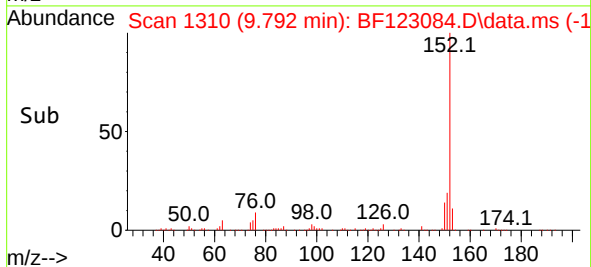
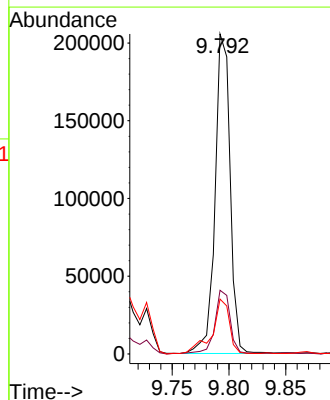
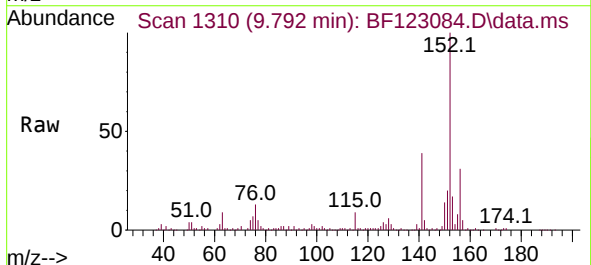
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.9	19.5	29.3

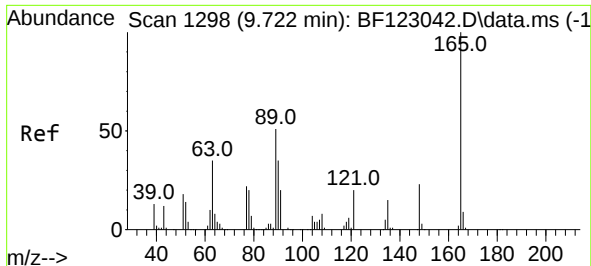


#49
Acenaphthylene
Concen: 3.25 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:152 Resp: 189858

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	25.0
153	17.2	10.9	16.3

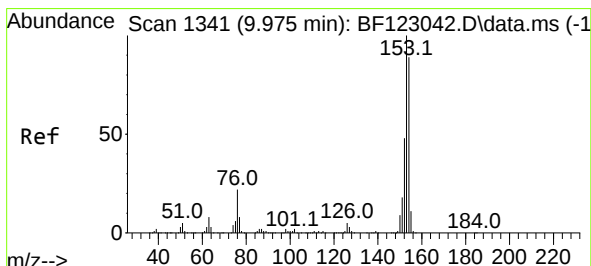
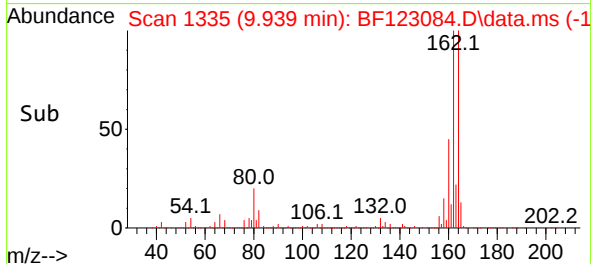
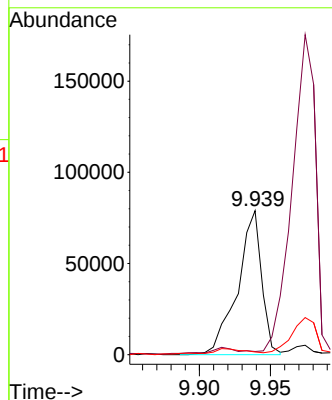
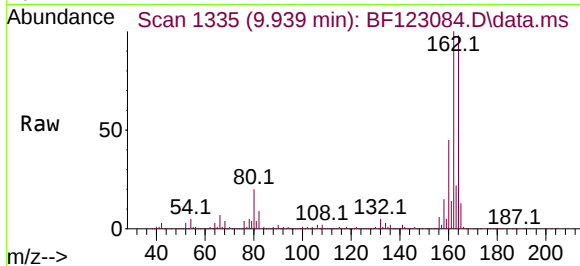




#51
2,6-Dinitrotoluene
Concen: 9.64 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.217 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

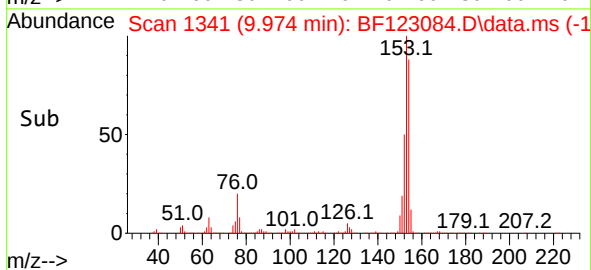
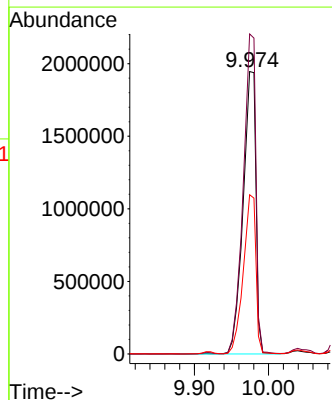
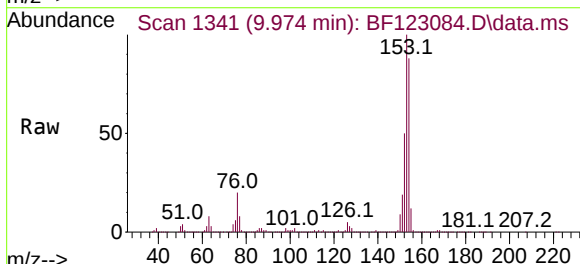
Instrument :
BNA_F
ClientSampled :
CRT-5DL

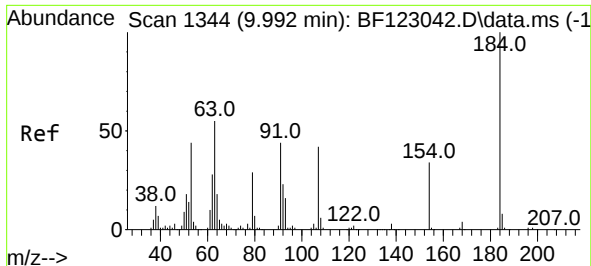
Tgt Ion:165 Resp: 93511
Ion Ratio Lower Upper
165 100
63 2.2 36.6 55.0#
89 1.9 39.4 59.0#



#52
Acenaphthene
Concen: 62.42 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:154 Resp: 2338956
Ion Ratio Lower Upper
154 100
153 113.3 89.0 133.6
152 56.4 42.7 64.1

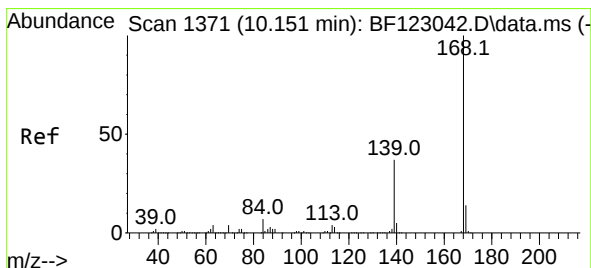
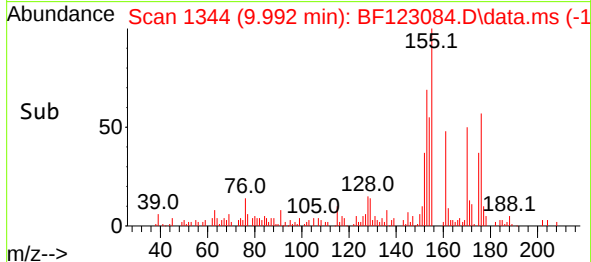
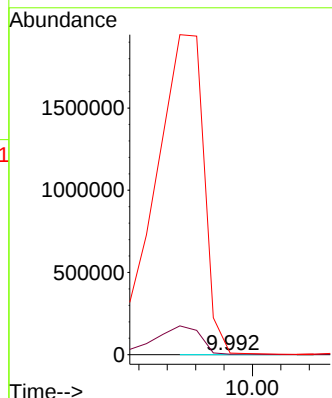
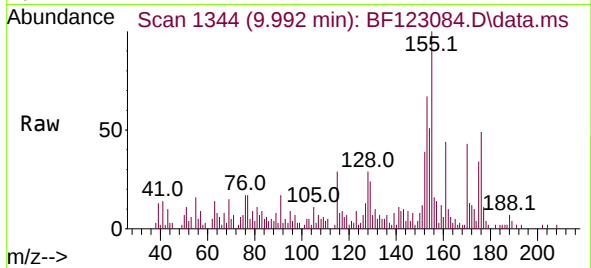




#54
2,4-Dinitrophenol
Concen: 6.93 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

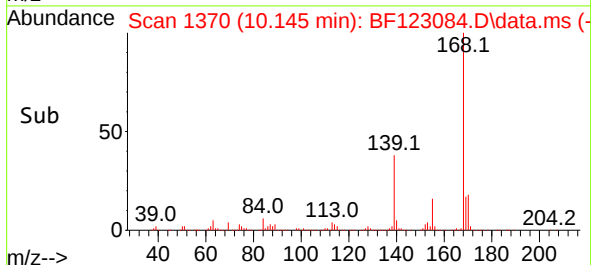
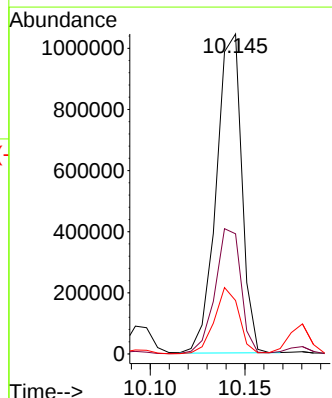
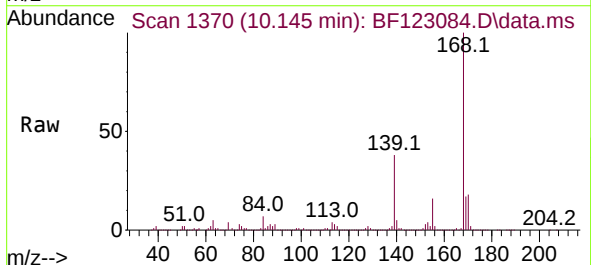
Instrument :
BNA_F
ClientSampled :
CRT-5DL

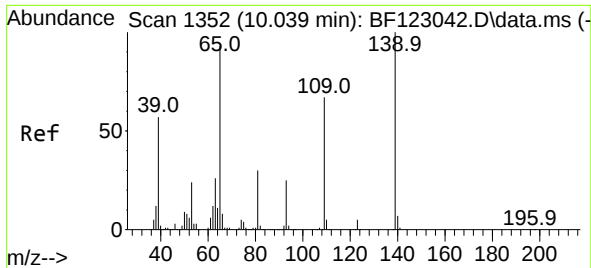
Tgt Ion:184 Resp: 436
Ion Ratio Lower Upper
184 100
63 618.4 51.4 77.2#
154 2228.1 49.7 74.5#



#55
Dibenzofuran
Concen: 17.93 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:168 Resp: 977685
Ion Ratio Lower Upper
168 100
139 37.5 31.3 46.9
169 16.7 11.2 16.8

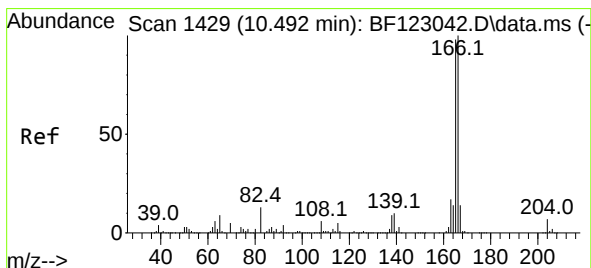
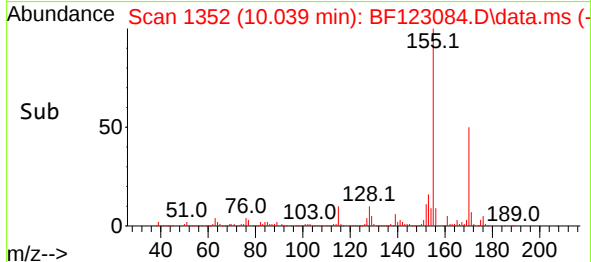
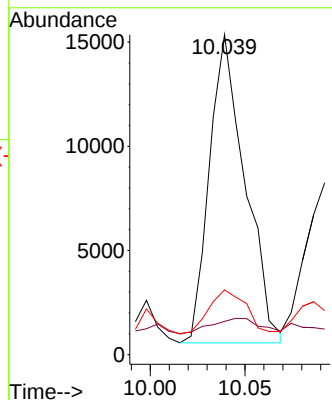
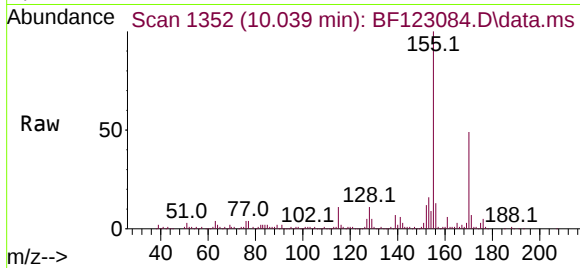




#56
4-Nitrophenol
Concen: 2.34 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

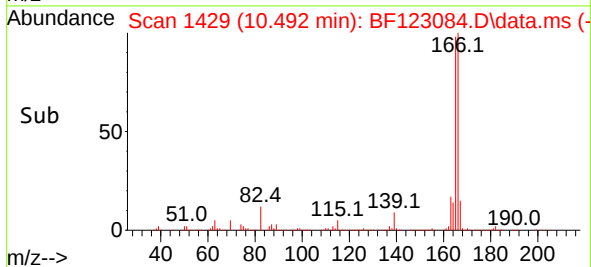
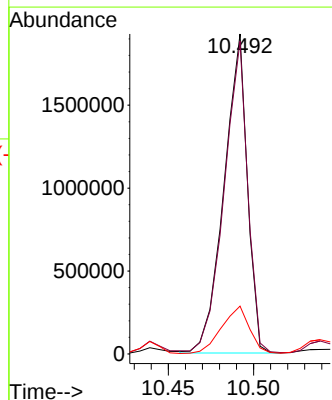
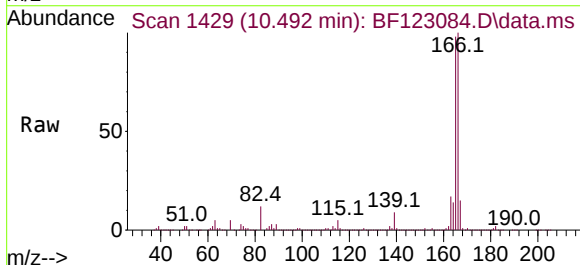
Instrument :
BNA_F
ClientSampled :
CRT-5DL

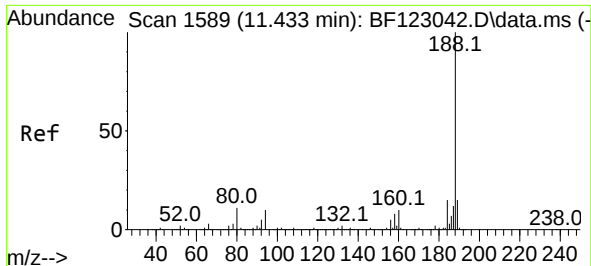
Tgt Ion:139 Resp: 19429
Ion Ratio Lower Upper
139 100
109 10.4 45.1 85.1#
65 20.2 59.2 99.2#



#58
Fluorene
Concen: 41.93 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:166 Resp: 1826254
Ion Ratio Lower Upper
166 100
165 97.8 79.4 119.0
167 14.9 10.9 16.3

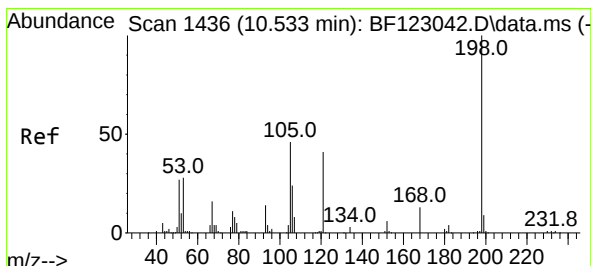
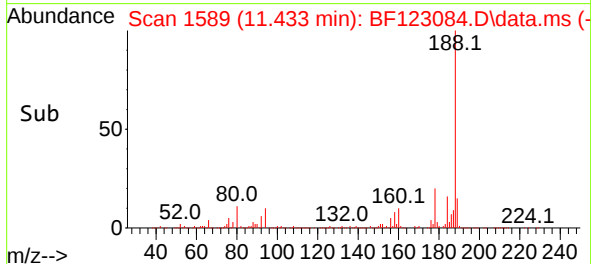
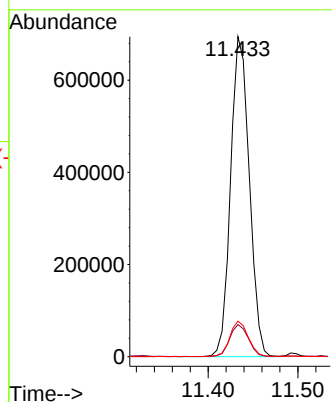
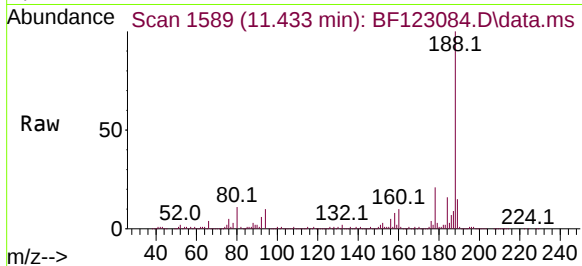




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

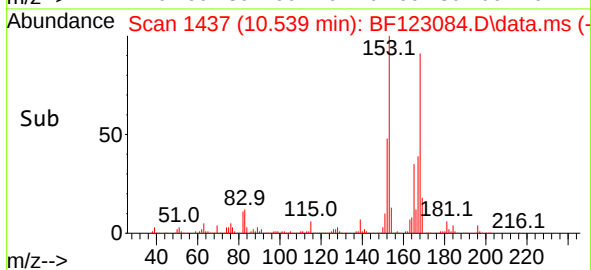
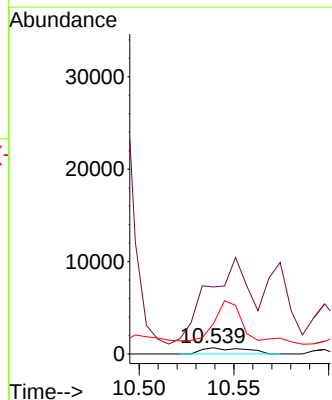
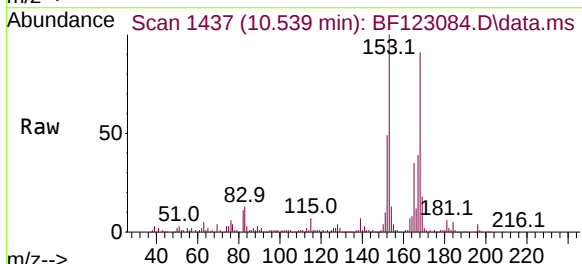
Instrument :
BNA_F
ClientSampleId :
CRT-5DL

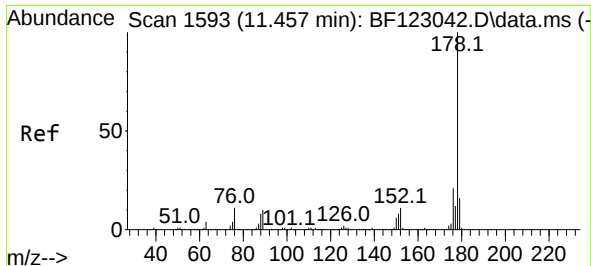
Tgt Ion:188 Resp: 1004443
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 11.1 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.15 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:198 Resp: 1070
Ion Ratio Lower Upper
198 100
51 1071.4 20.3 60.3#
105 480.4 23.0 63.0#

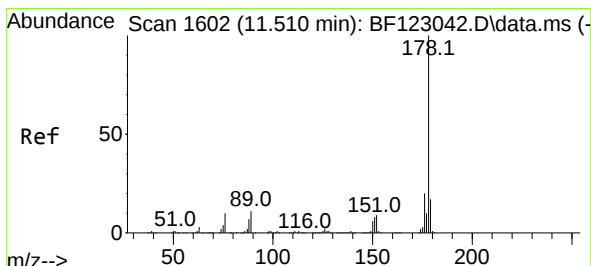
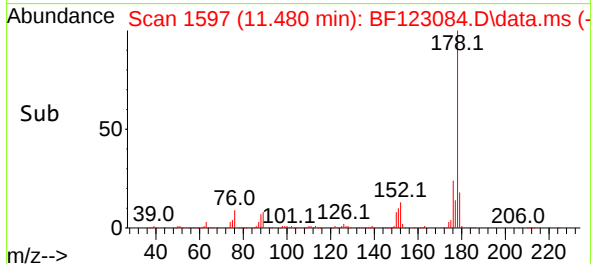
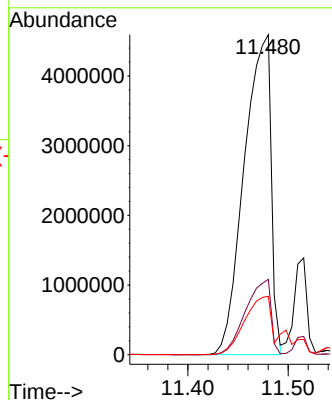
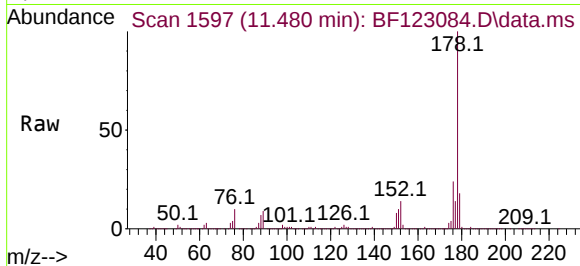




#71
Phenanthrene
Concen: 136.83 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.023 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

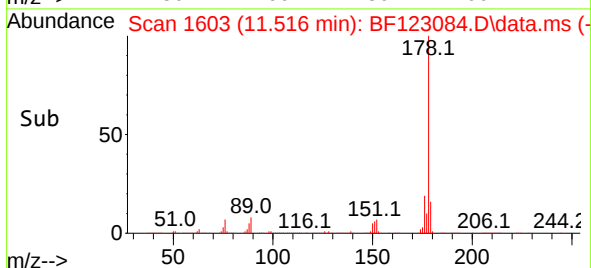
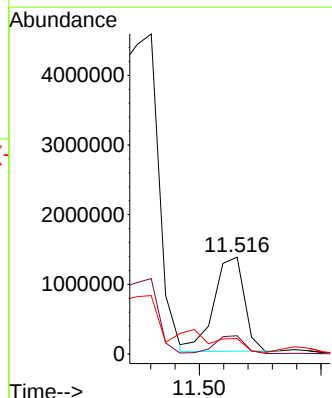
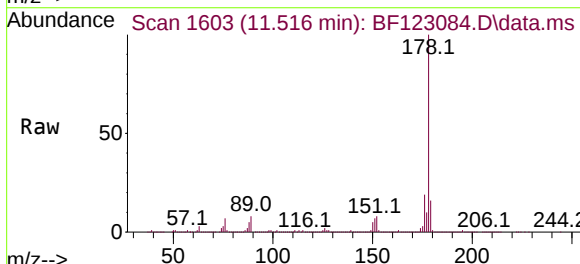
Instrument :
BNA_F
ClientSampleId :
CRT-5DL

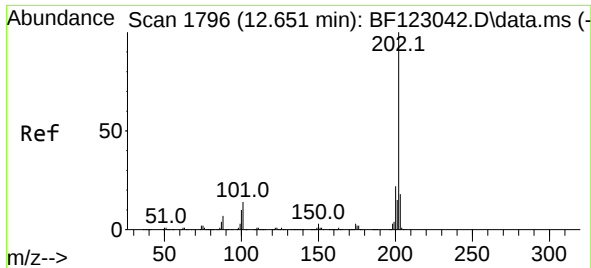
Tgt Ion:178 Resp: 8535490
Ion Ratio Lower Upper
178 100
176 23.6 16.2 24.2
179 18.3 12.7 19.1



#72
Anthracene
Concen: 19.47 ng
RT: 11.516 min Scan# 1603
Delta R.T. 0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:178 Resp: 1165240
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.8 12.8 19.2

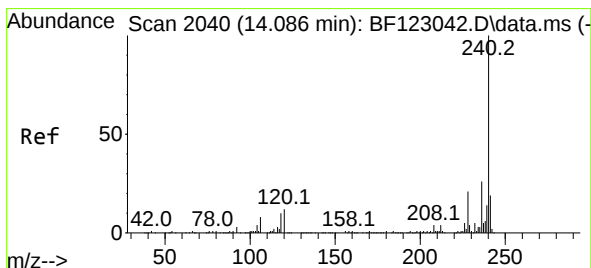
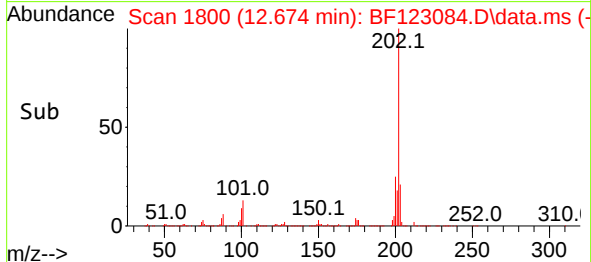
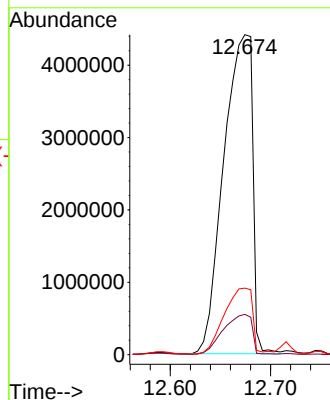
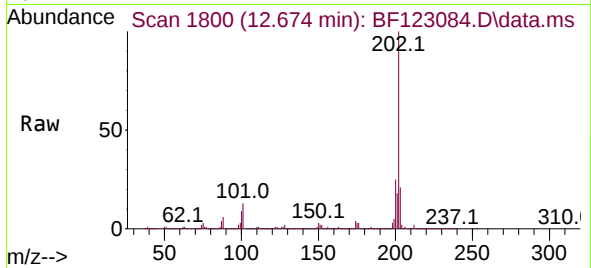




#75
Fluoranthene
Concen: 141.14 ng
RT: 12.674 min Scan# 1800
Delta R.T. 0.023 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

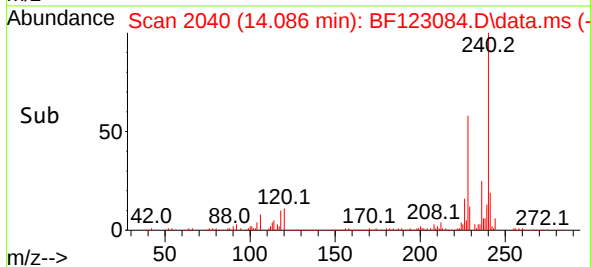
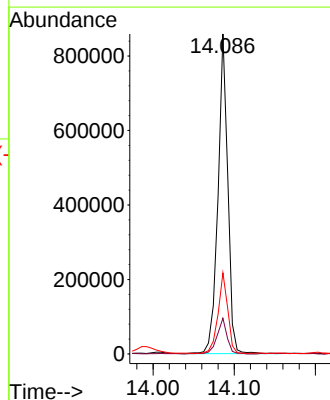
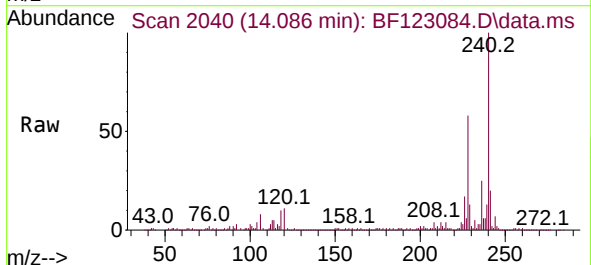
Instrument :
BNA_F
ClientSampled :
CRT-5DL

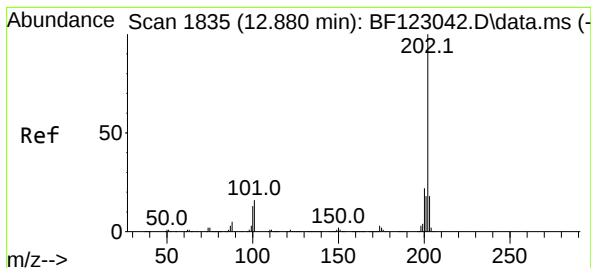
Tgt Ion:202 Resp: 8799908
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.2
203 20.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:240 Resp: 719254
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.3 20.3 30.5





#78

Pyrene

Concen: 118.12 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.023 min

Lab File: BF123084.D

Acq: 29 Jan 2021 16:10

Tgt Ion:202 Resp: 6413823

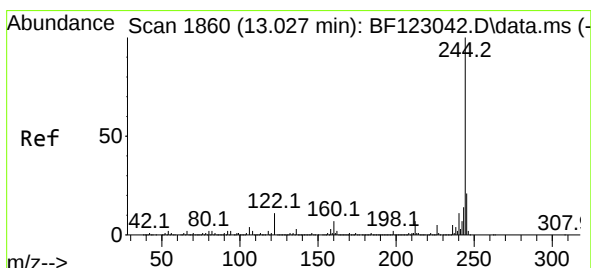
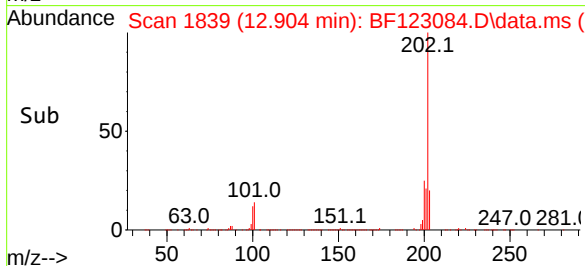
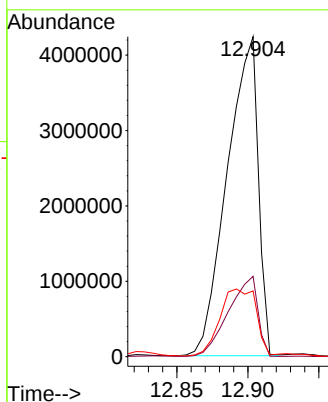
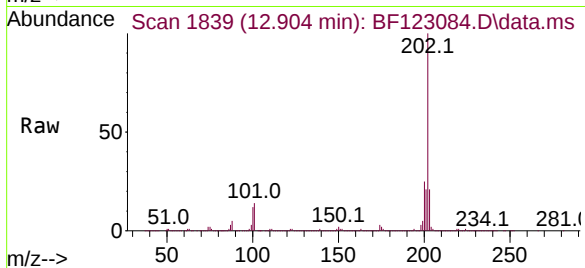
Ion	Ratio	Lower	Upper
202	100		
200	25.1	17.6	26.4
203	20.6	14.6	21.8

Instrument :

BNA_F

ClientSampleId :

CRT-5DL



#79

Terphenyl-d14

Concen: 38.13 ng

RT: 13.021 min Scan# 1859

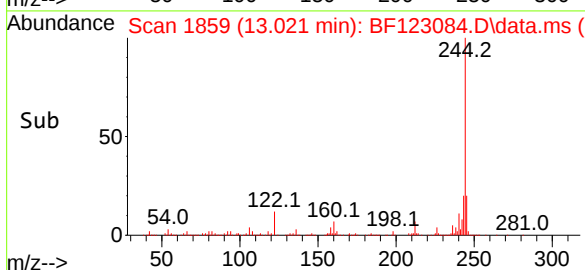
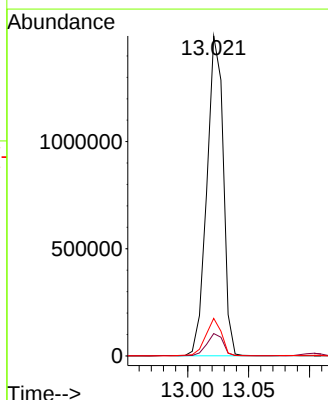
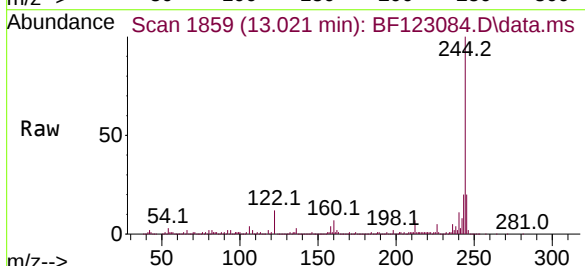
Delta R.T. -0.006 min

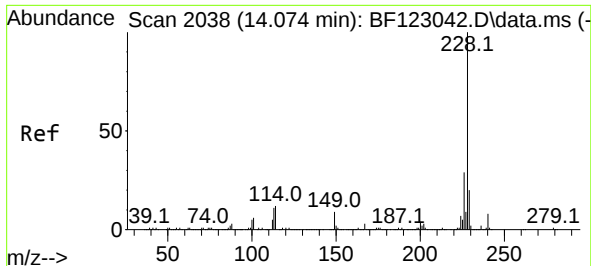
Lab File: BF123084.D

Acq: 29 Jan 2021 16:10

Tgt Ion:244 Resp: 1395787

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.7	8.3	12.5

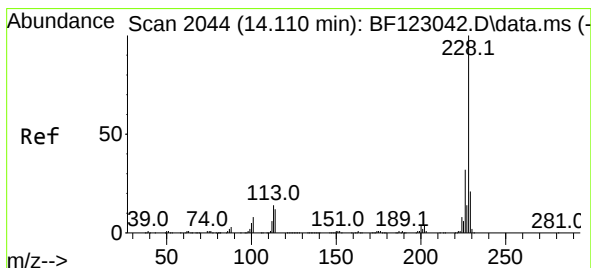
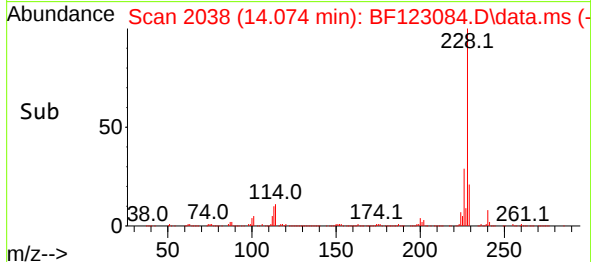
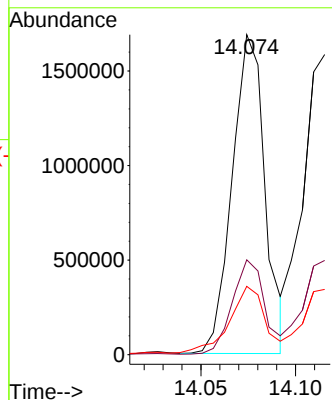
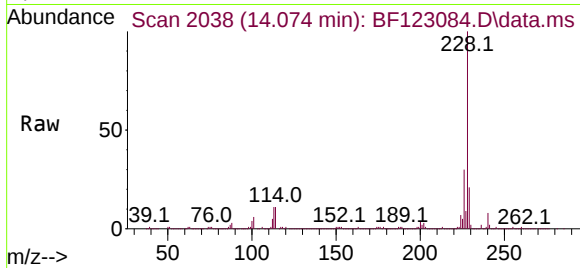




#81
Benzo(a)anthracene
Concen: 41.76 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

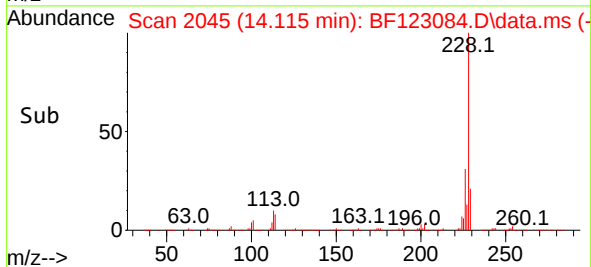
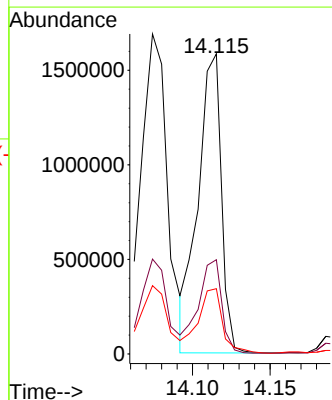
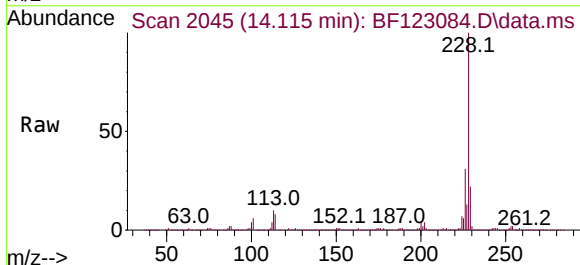
Instrument :
BNA_F
ClientSampled :
CRT-5DL

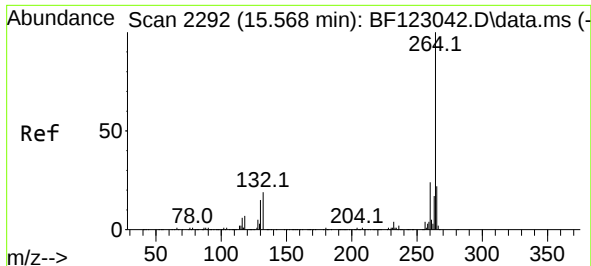
Tgt Ion:228 Resp: 2032891
Ion Ratio Lower Upper
228 100
226 29.6 23.0 34.4
229 21.4 16.6 24.8



#83
Chrysene
Concen: 34.08 ng
RT: 14.115 min Scan# 2045
Delta R.T. 0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:228 Resp: 1660307
Ion Ratio Lower Upper
228 100
226 31.4 24.6 36.8
229 21.7 15.8 23.6

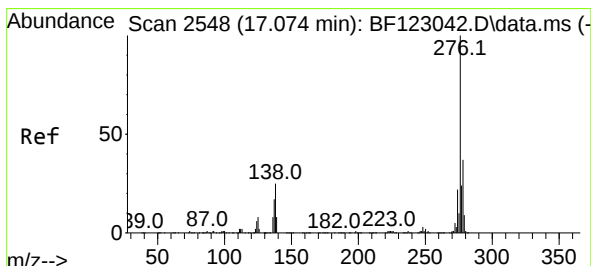
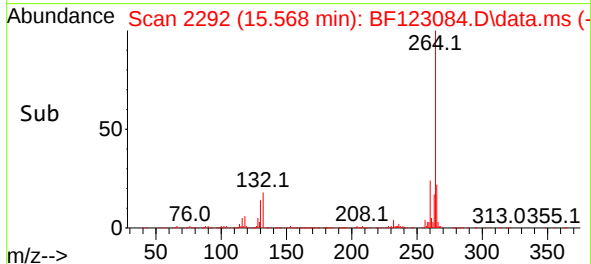
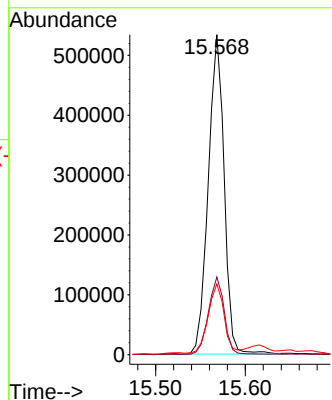
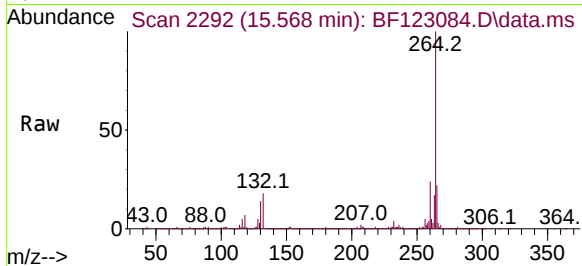




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

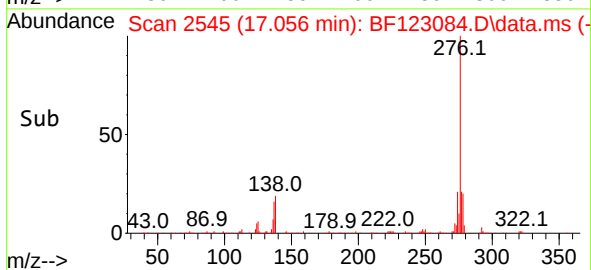
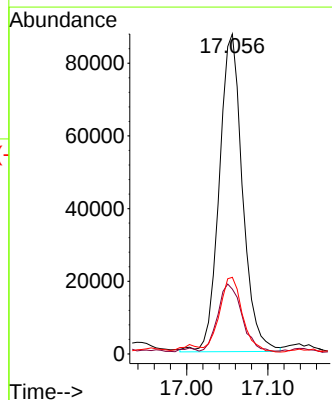
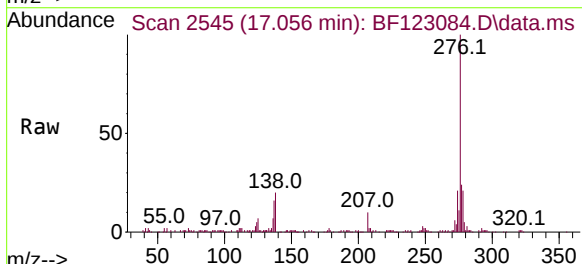
Instrument :
BNA_F
ClientSampleId :
CRT-5DL

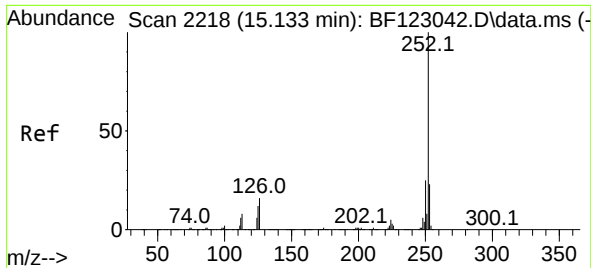
Tgt Ion:	264	Resp:	655527
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.6	28.0
265	22.1	17.0	25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng
RT: 17.056 min Scan# 2545
Delta R.T. -0.018 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:	276	Resp:	174331
Ion Ratio	Lower	Upper	
276	100		
138	22.1	18.7	28.1
277	23.1	20.2	30.4

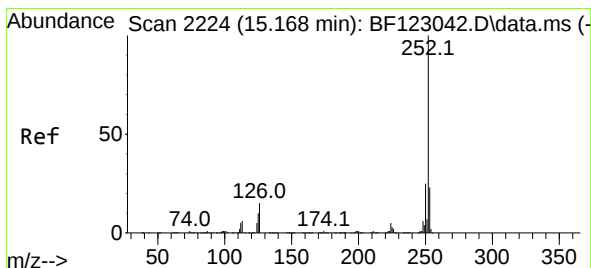
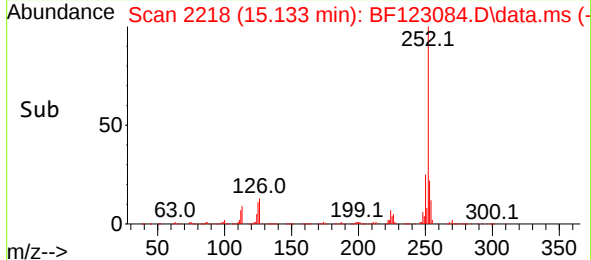
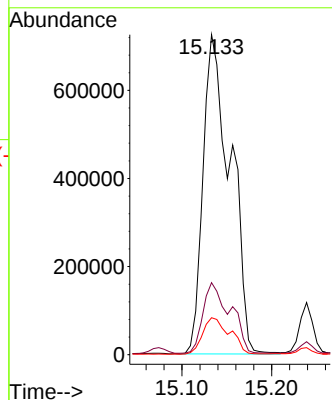
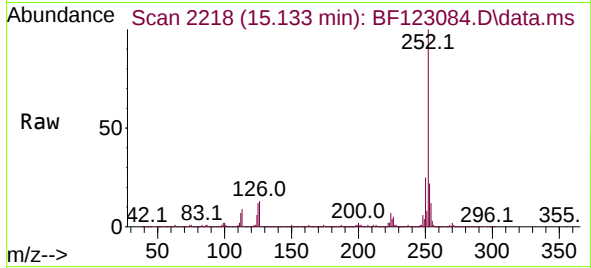




#88
Benzo(b)fluoranthene
Concen: 32.68 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

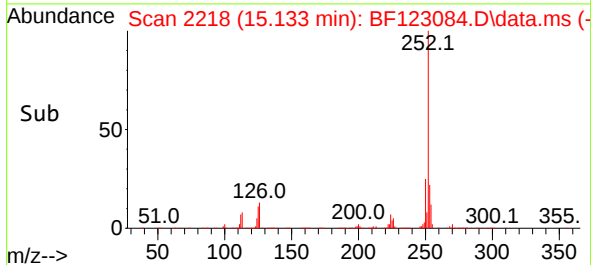
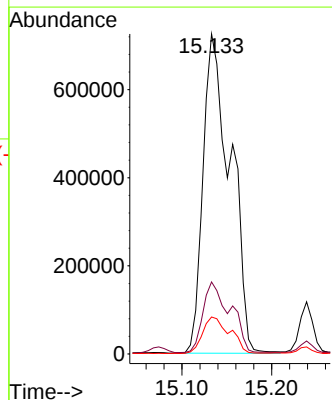
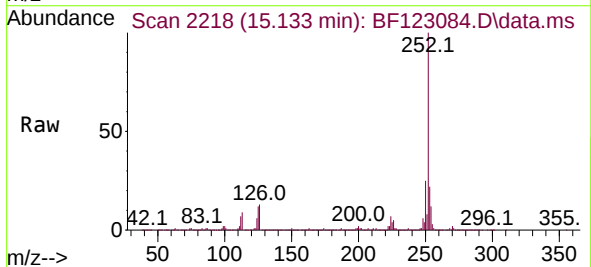
Instrument :
BNA_F
ClientSampleId :
CRT-5DL

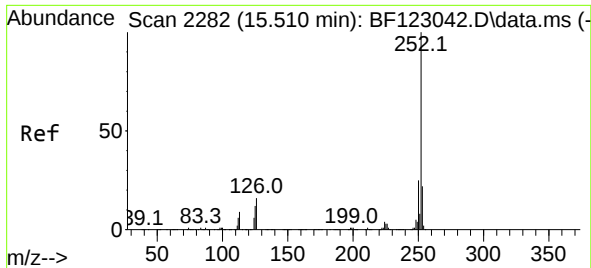
Tgt Ion:252 Resp: 1546344
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 11.5 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 35.17 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:252 Resp: 1546344
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 11.5 8.4 12.6

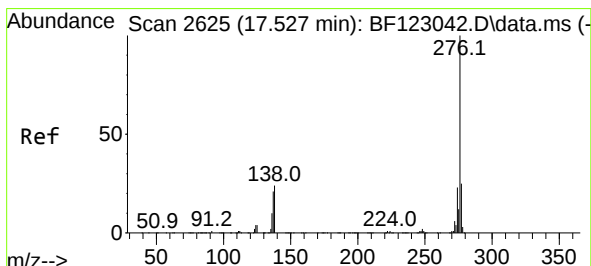
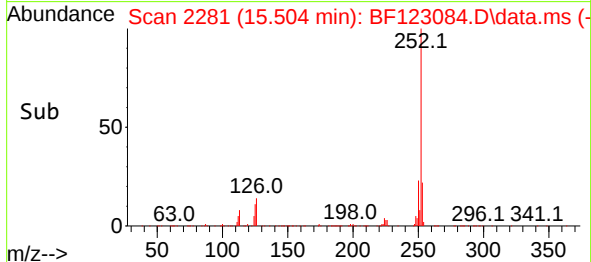
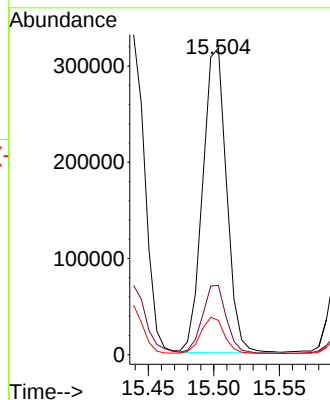
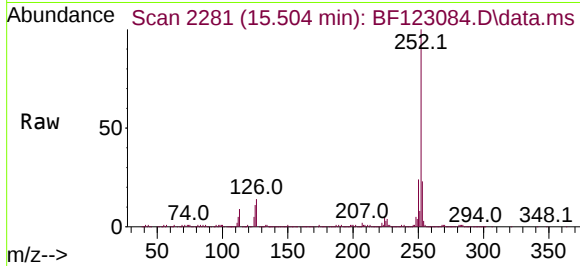




#90
Benzo(a)pyrene
Concen: 9.69 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Instrument :
BNA_F
ClientSampleId :
CRT-5DL

Tgt Ion:252 Resp: 402522
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 11.1 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 3.37 ng
RT: 17.503 min Scan# 2621
Delta R.T. -0.024 min
Lab File: BF123084.D
Acq: 29 Jan 2021 16:10

Tgt Ion:276 Resp: 117240
Ion Ratio Lower Upper
276 100
277 25.9 19.3 28.9
138 23.6 16.6 24.8

