

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012921\
 Data File : BF123093.D
 Acq On : 29 Jan 2021 20:51
 Operator : JU/CG
 Sample : M1254-06DL2 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRT-5DL2

Quant Time: Jan 29 22:38:12 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)

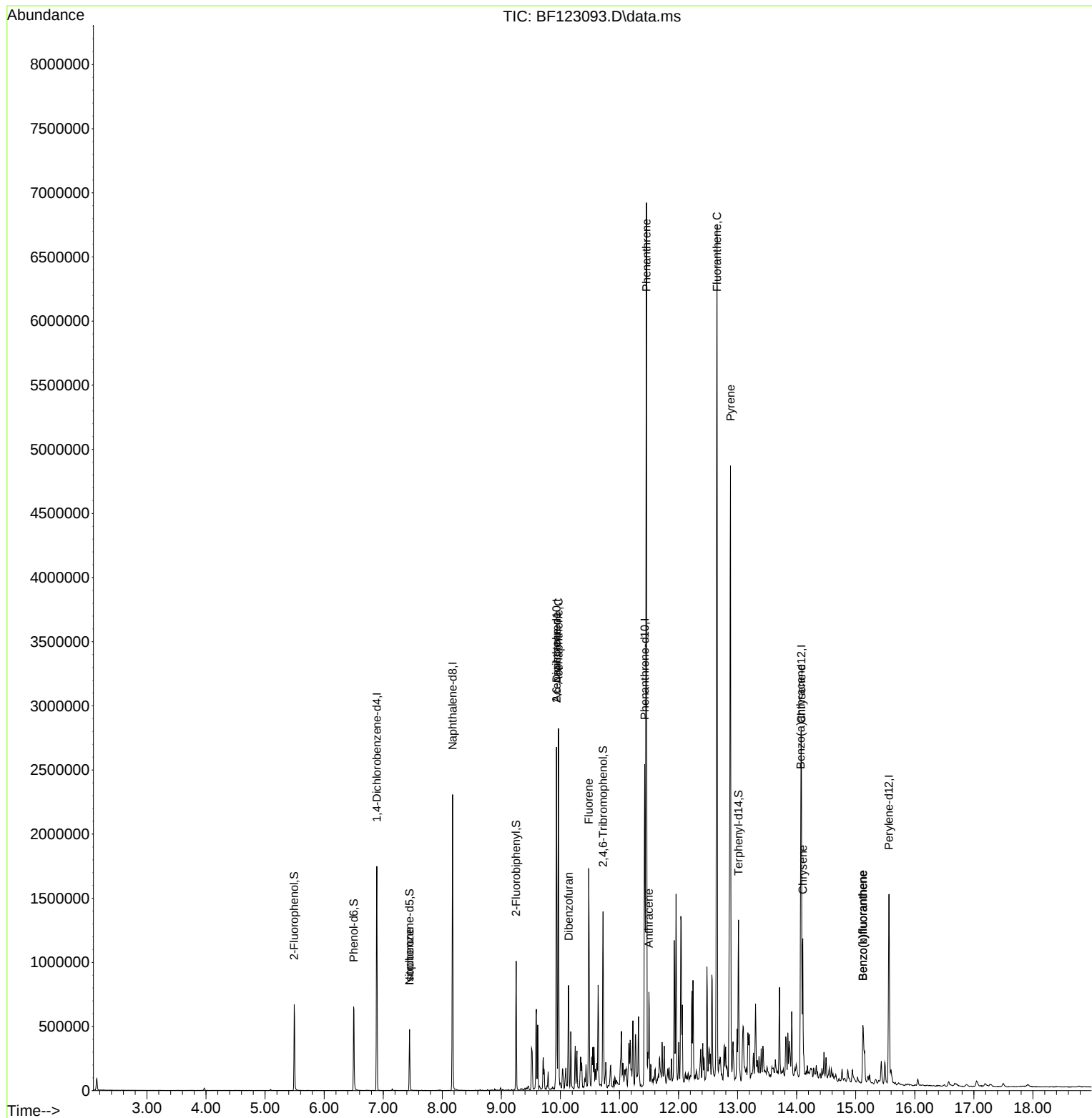
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	252564	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	963902	20.00	ng	0.00
39) Acenaphthene-d10	9.933	164	520619	20.00	ng	0.00
64) Phenanthrene-d10	11.428	188	957890	20.00	ng	0.00
76) Chrysene-d12	14.080	240	795958	20.00	ng	0.00
86) Perylene-d12	15.563	264	650803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	184142	11.25	ng	-0.01
7) Phenol-d6	6.498	99	231380	10.43	ng	-0.02
23) Nitrobenzene-d5	7.445	82	133202	6.95	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	59203	10.48	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	285534	8.15	ng	-0.01
79) Terphenyl-d14	13.016	244	335101	8.27	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.445	82	133200	3.80	ng	# 65
51) 2,6-Dinitrotoluene	9.933	165	69099	7.94	ng	# 31
52) Acenaphthene	9.969	154	585436	17.42	ng	98
55) Dibenzofuran	10.139	168	213658	4.37	ng	# 94
58) Fluorene	10.480	166	435233	11.14	ng	99
71) Phenanthrene	11.457	178	2724295	45.79	ng	99
72) Anthracene	11.498	178	272079	4.77	ng	99
75) Fluoranthene	12.651	202	2791352	46.94	ng	99
78) Pyrene	12.880	202	2015887	33.55	ng	100
81) Benzo(a)anthracene	14.069	228	495564	9.20	ng	98
83) Chrysene	14.104	228	436511	8.10	ng	98
88) Benzo(b)fluoranthene	15.121	252	340634	7.25	ng	97
89) Benzo(k)fluoranthene	15.121	252	340634	7.80	ng	98

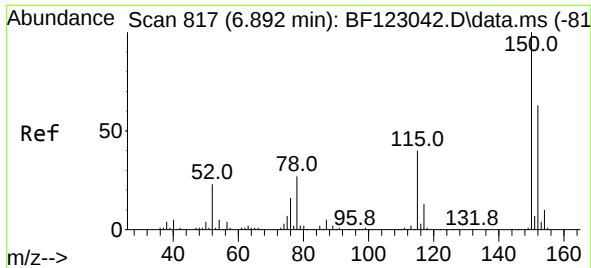
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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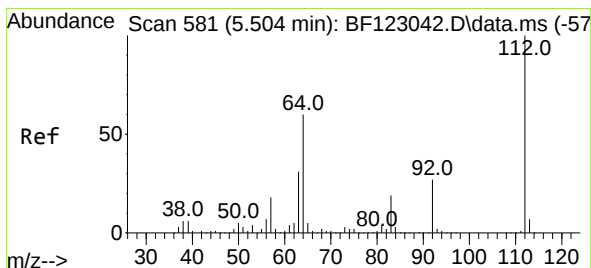
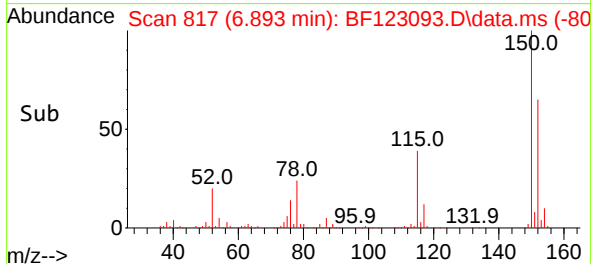
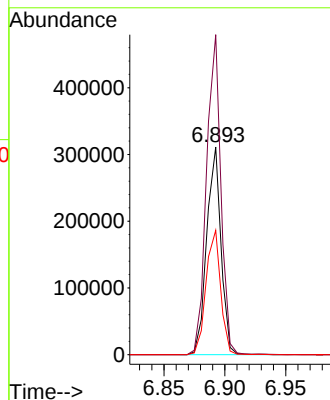
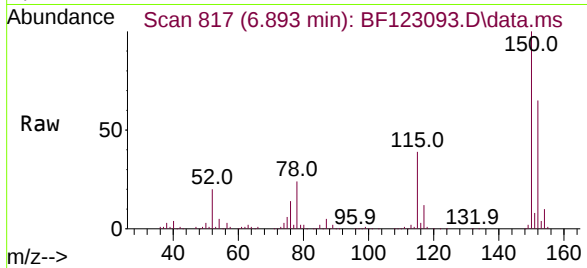




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.893 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

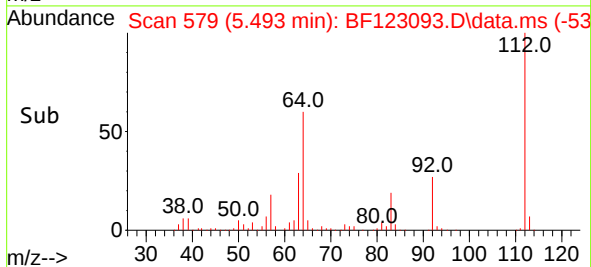
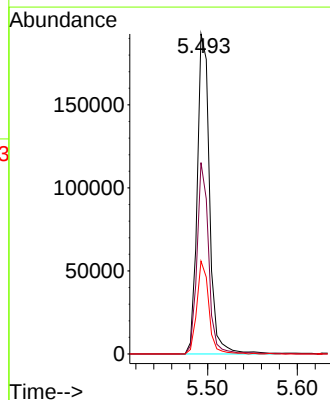
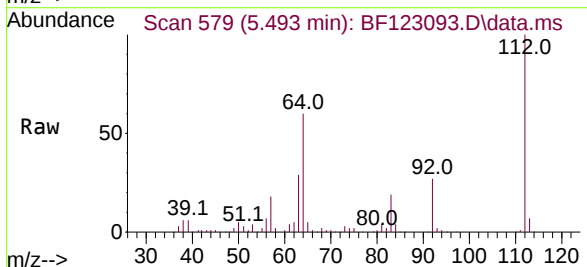
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2

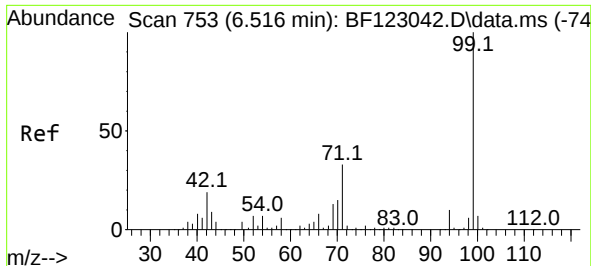
Tgt Ion:152 Resp: 252564
Ion Ratio Lower Upper
152 100
150 154.0 125.8 188.6
115 59.8 49.3 73.9



#5
2-Fluorophenol
Concen: 11.25 ng
RT: 5.493 min Scan# 579
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:112 Resp: 184142
Ion Ratio Lower Upper
112 100
64 59.8 46.9 70.3
63 29.0 24.5 36.7

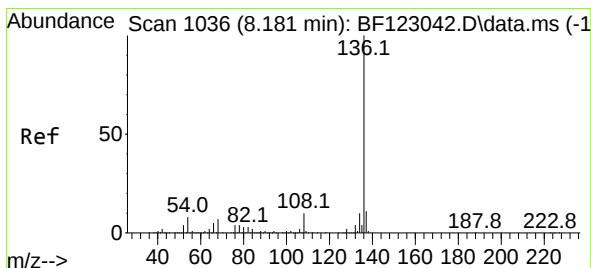
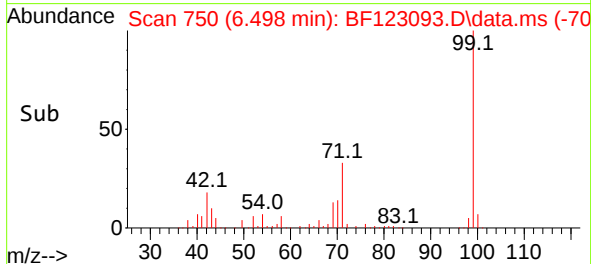
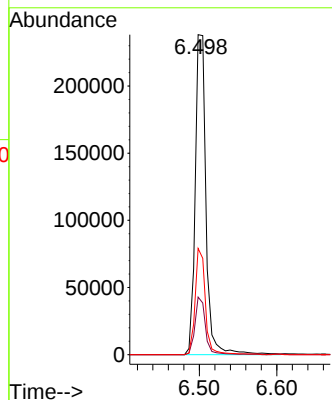
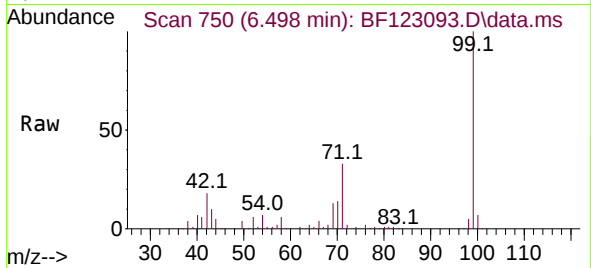




#7
Phenol-d6
Concen: 10.43 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

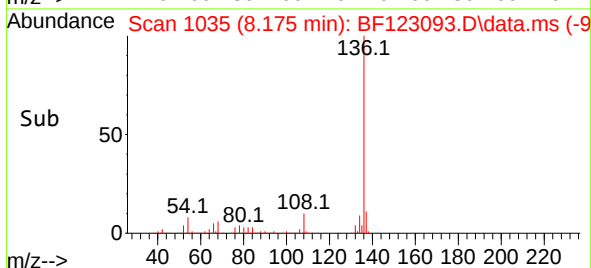
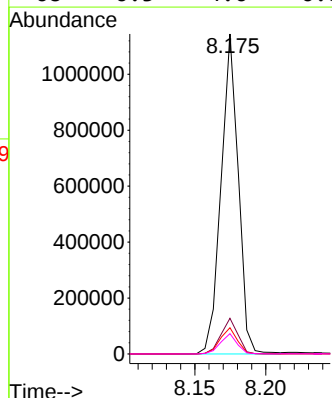
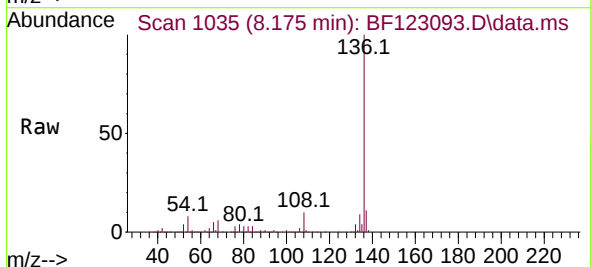
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2

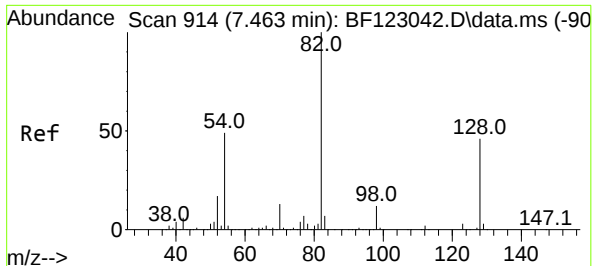
Tgt Ion: 99 Resp: 231380
Ion Ratio Lower Upper
99 100
42 18.0 13.8 20.6
71 33.2 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion: 136 Resp: 963902
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.2 5.5 8.3
68 6.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 6.95 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.018 min

Lab File: BF123093.D

Acq: 29 Jan 2021 20:51

Tgt Ion: 82 Resp: 133202

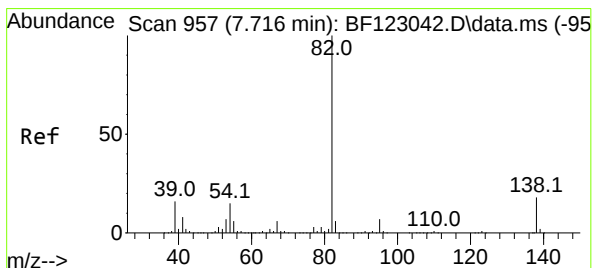
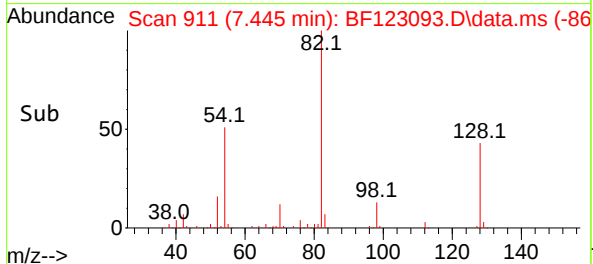
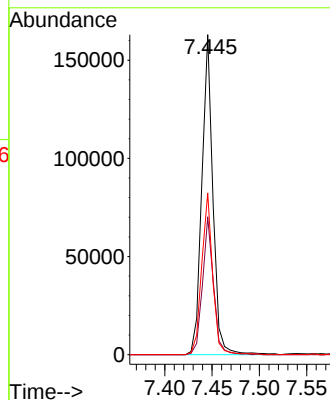
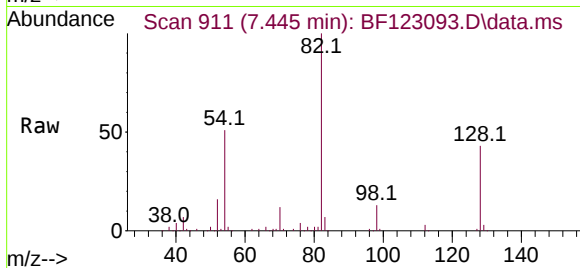
Ion	Ratio	Lower	Upper
82	100		
128	43.1	37.0	55.4
54	50.6	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

CRT-5DL2



#25

Isophorone

Concen: 3.80 ng

RT: 7.445 min Scan# 911

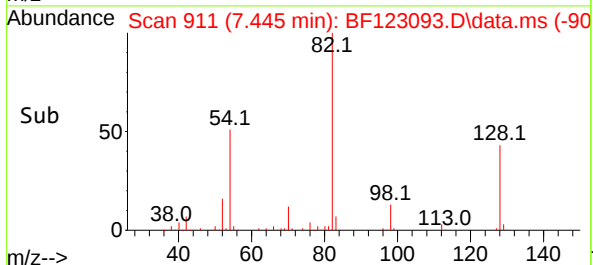
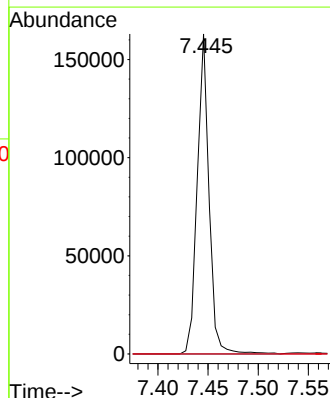
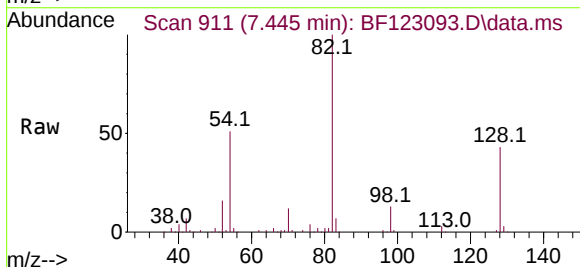
Delta R.T. -0.271 min

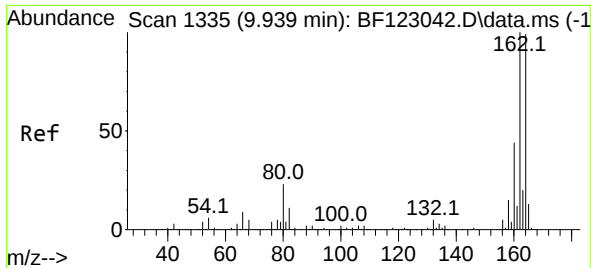
Lab File: BF123093.D

Acq: 29 Jan 2021 20:51

Tgt Ion: 82 Resp: 133200

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

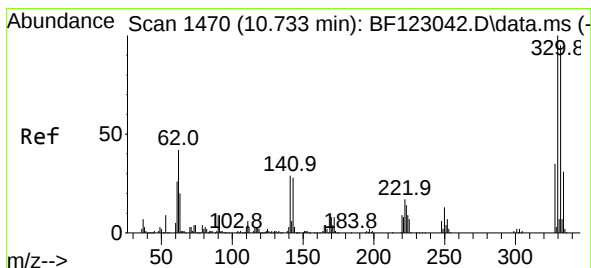
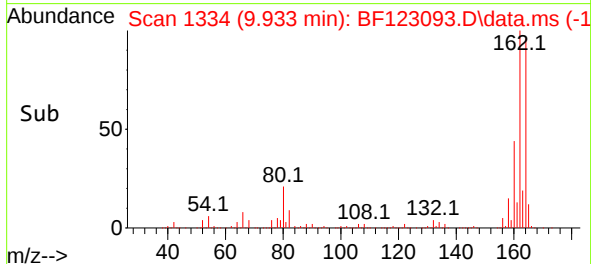
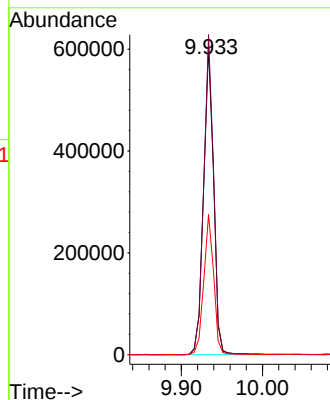
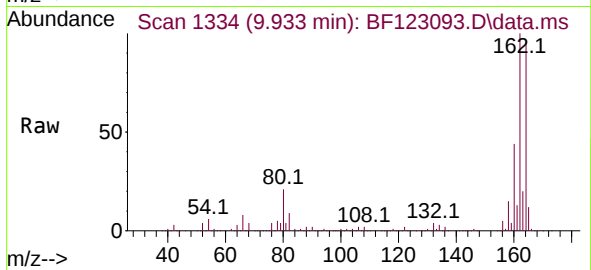




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

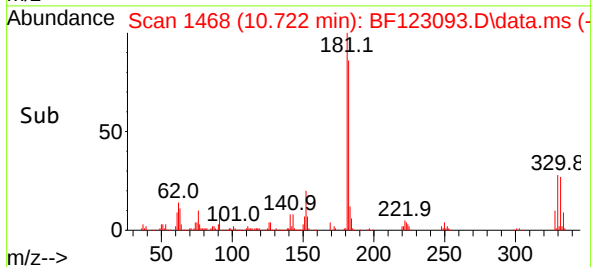
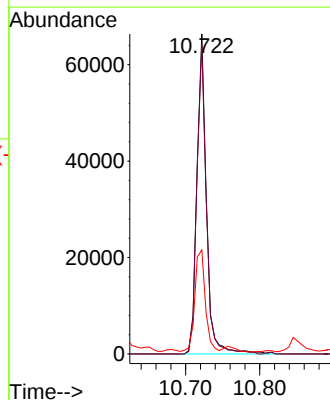
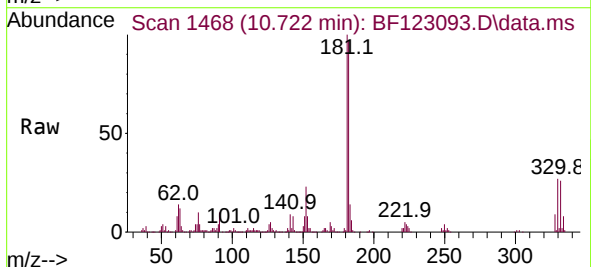
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2

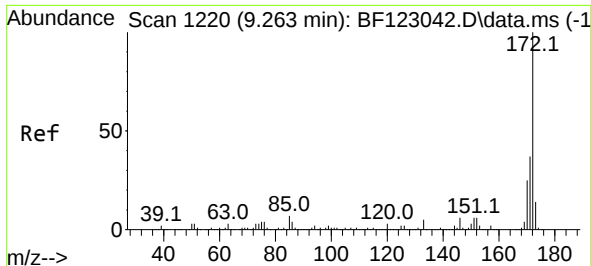
Tgt Ion:164 Resp: 520619
Ion Ratio Lower Upper
164 100
162 104.3 80.8 121.2
160 45.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 10.48 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:330 Resp: 59203
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 35.3 23.8 35.8

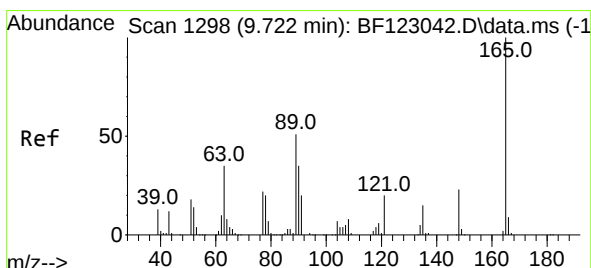
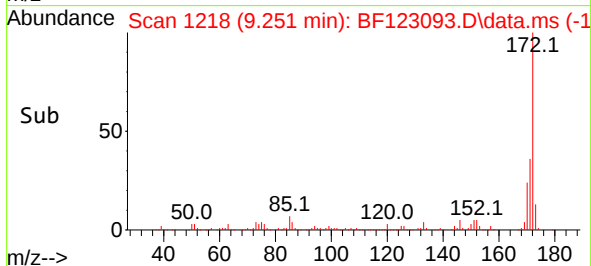
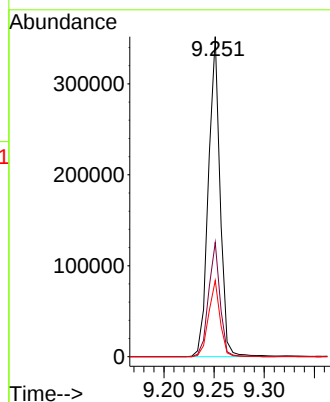
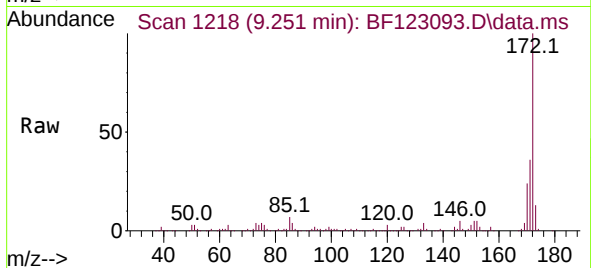




#45
2-Fluorobiphenyl
Concen: 8.15 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

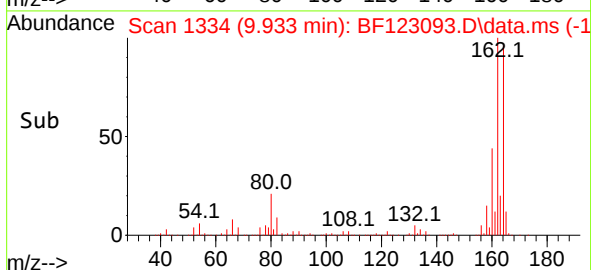
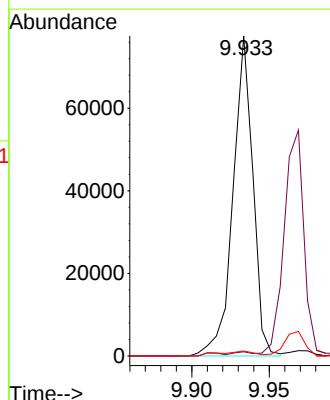
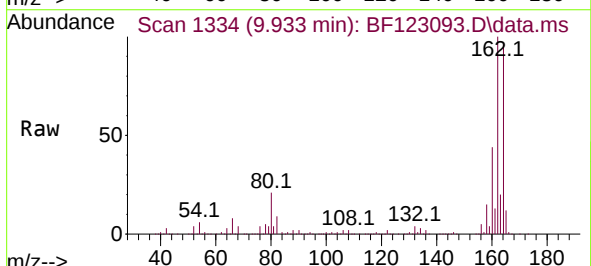
Instrument :
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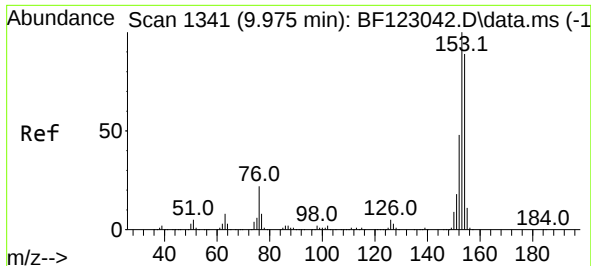
Tgt Ion:172 Resp: 285534
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.8 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:165 Resp: 69099
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.5 39.4 59.0#

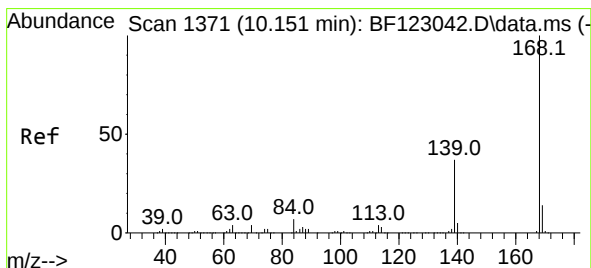
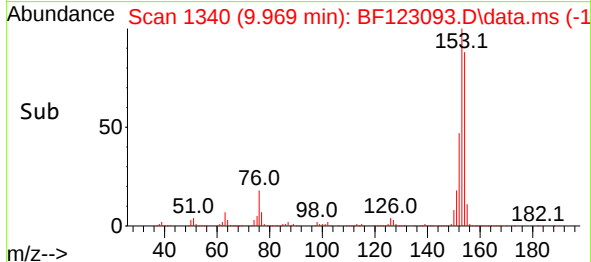
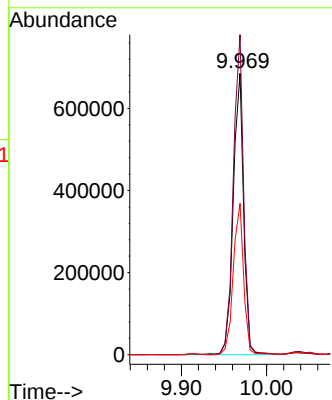
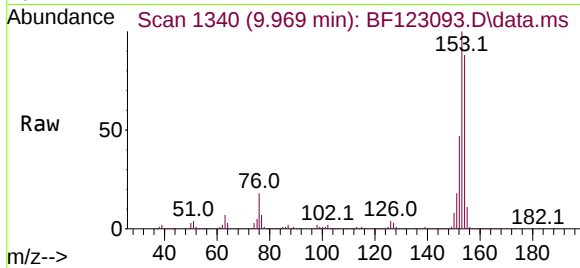




#52
Acenaphthene
Concen: 17.42 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

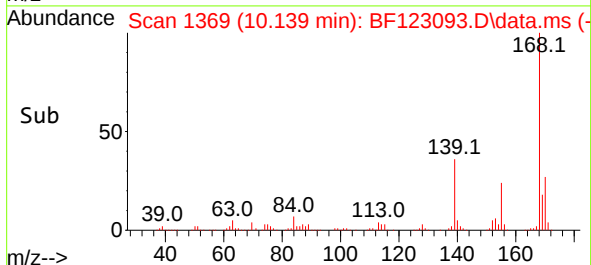
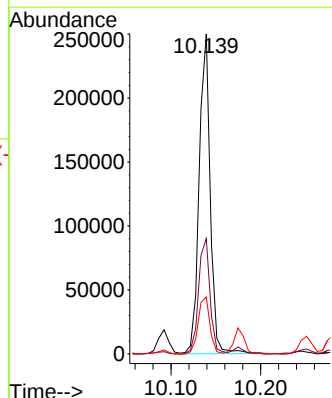
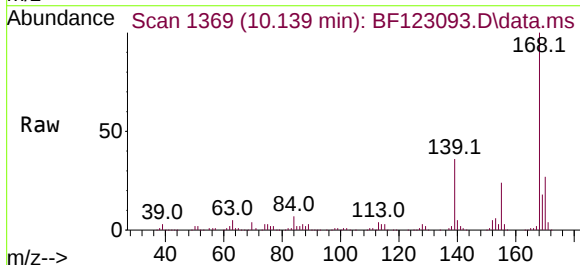
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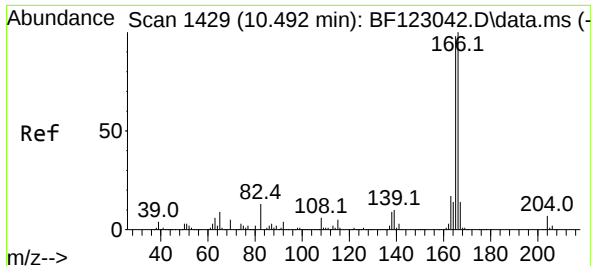
Tgt Ion:154 Resp: 585436
Ion Ratio Lower Upper
154 100
153 113.7 89.0 133.6
152 53.7 42.7 64.1



#55
Dibenzofuran
Concen: 4.37 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:168 Resp: 213658
Ion Ratio Lower Upper
168 100
139 36.0 31.3 46.9
169 17.8 11.2 16.8#

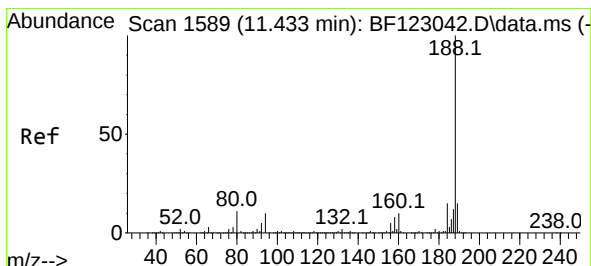
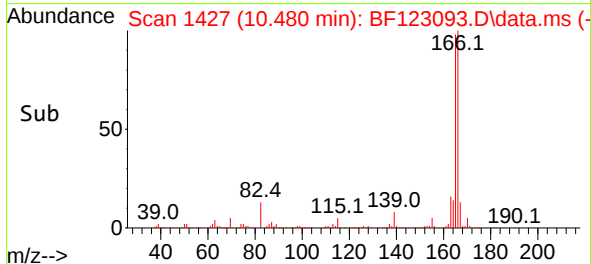
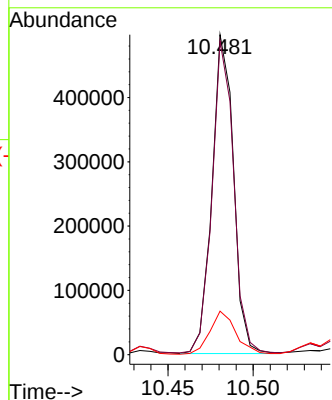
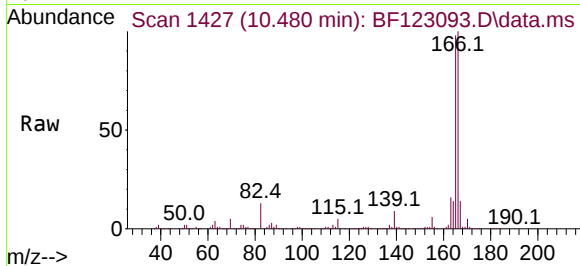




#58
Fluorene
Concen: 11.14 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

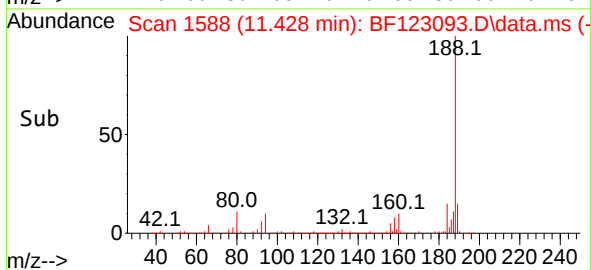
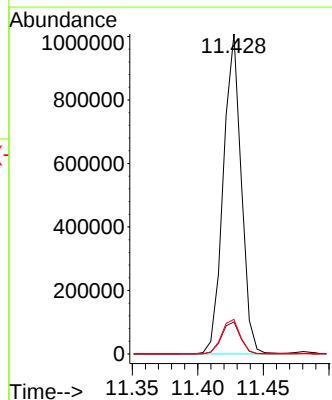
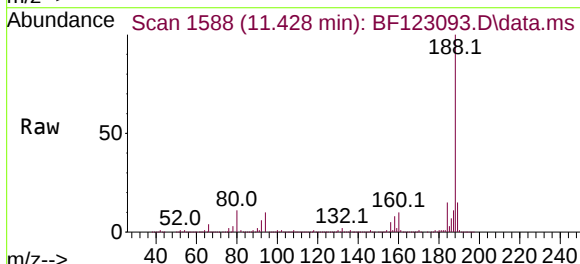
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2

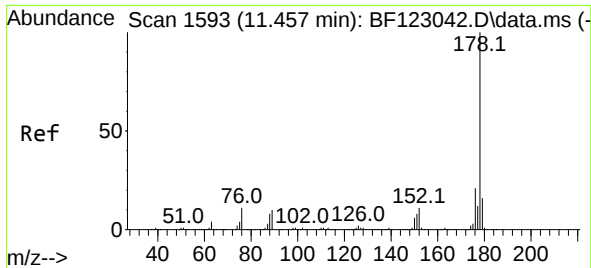
Tgt Ion:166 Resp: 435233
Ion Ratio Lower Upper
166 100
165 98.0 79.4 119.0
167 13.6 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.428 min Scan# 1588
Delta R.T. -0.005 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:188 Resp: 957890
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 10.8 8.2 12.4

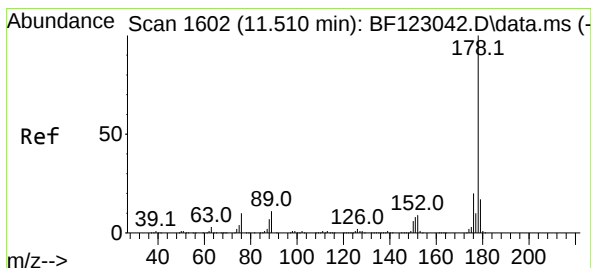
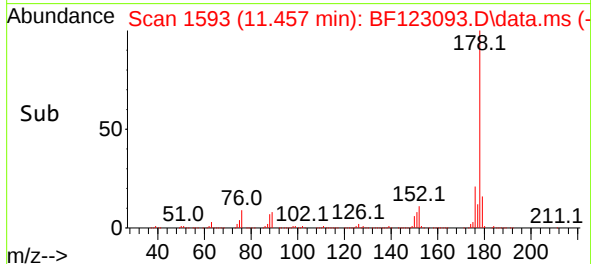
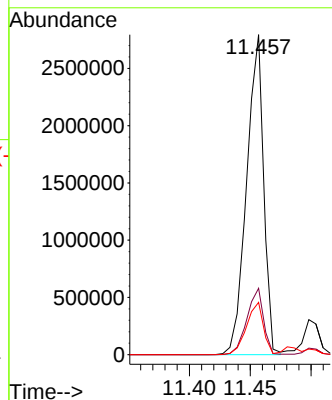
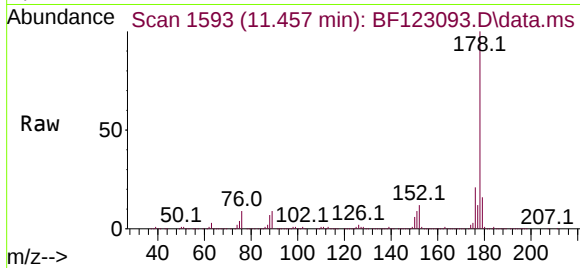




#71
Phenanthrene
Concen: 45.79 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

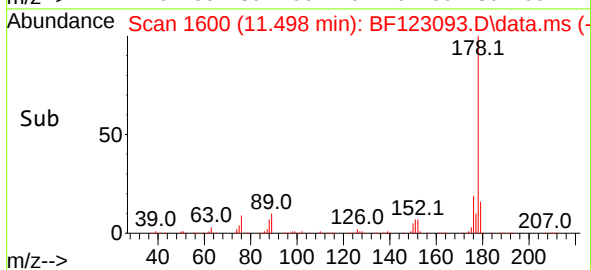
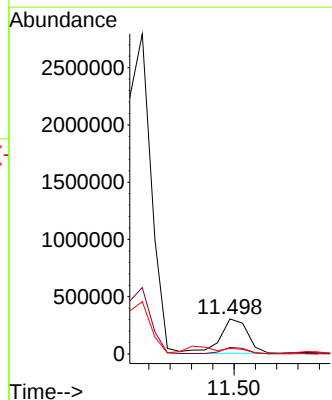
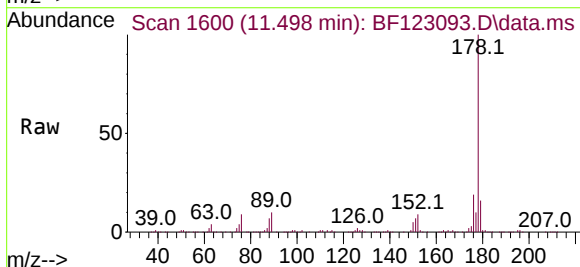
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2

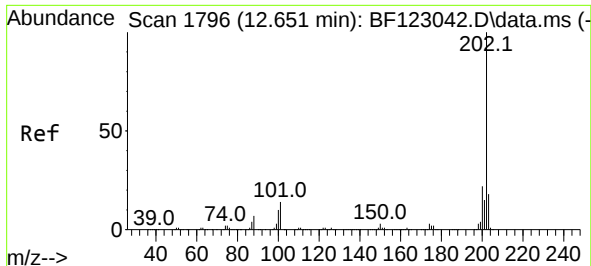
Tgt Ion:178 Resp: 2724295
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.2
179 16.4 12.7 19.1



#72
Anthracene
Concen: 4.77 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:178 Resp: 272079
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 16.1 12.8 19.2

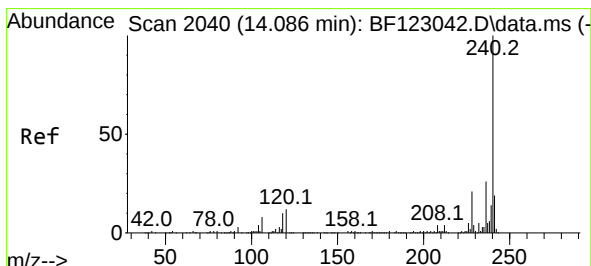
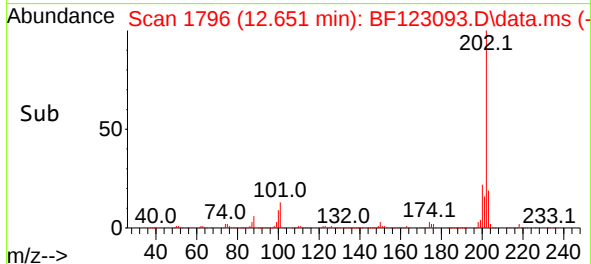
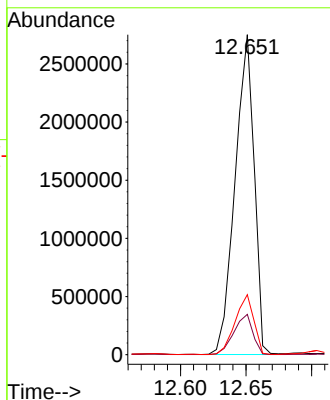
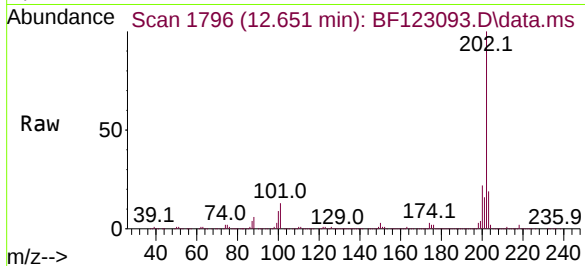




#75
Fluoranthene
Concen: 46.94 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

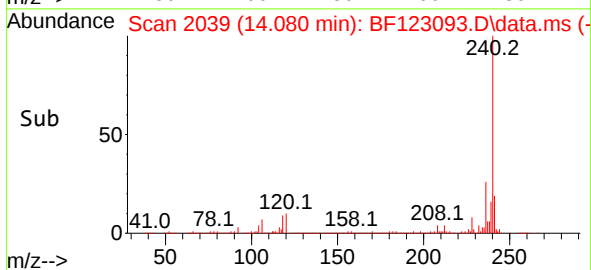
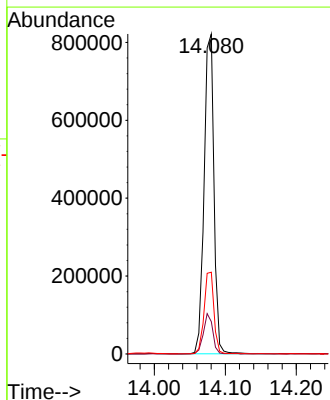
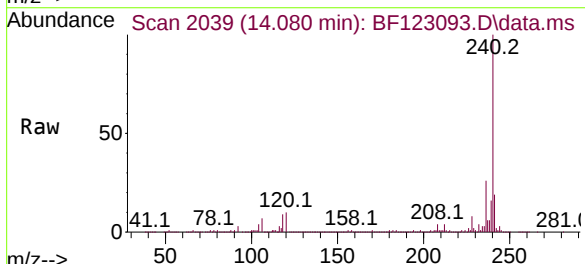
Instrument :
BNA_F
ClientSampled :
CRT-5DL2

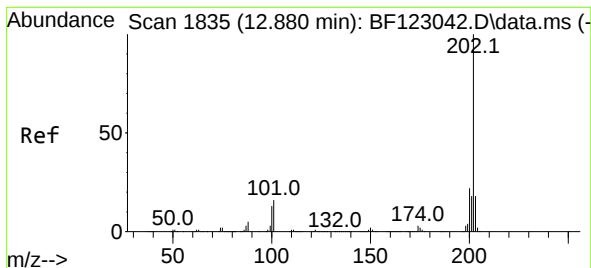
Tgt Ion:202 Resp: 2791352
Ion Ratio Lower Upper
202 100
101 12.6 0.0 32.2
203 18.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Tgt Ion:240 Resp: 795958
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.5 20.3 30.5





#78

Pyrene

Concen: 33.55 ng

RT: 12.880 min Scan# 1835

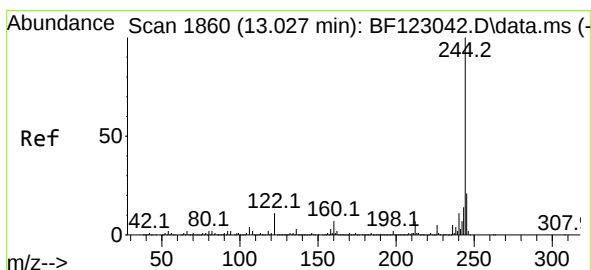
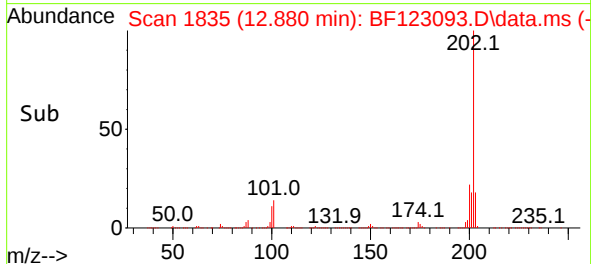
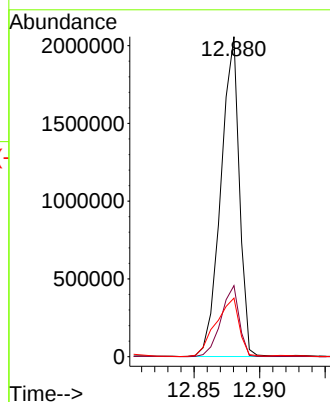
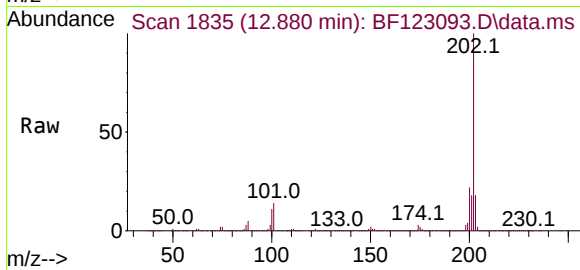
Delta R.T. 0.000 min

Lab File: BF123093.D

Acq: 29 Jan 2021 20:51

Tgt Ion:202 Resp: 2015887

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.6	26.4
203	18.3	14.6	21.8



#79

Terphenyl-d14

Concen: 8.27 ng

RT: 13.016 min Scan# 1858

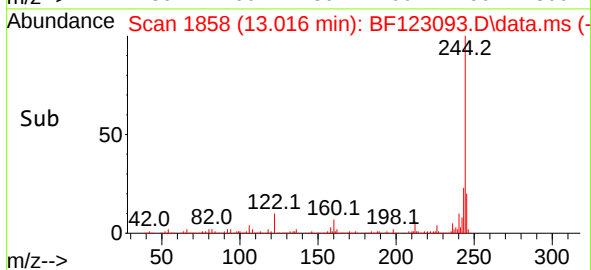
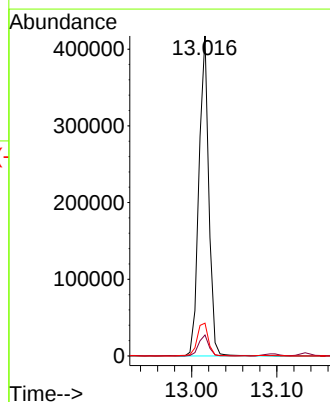
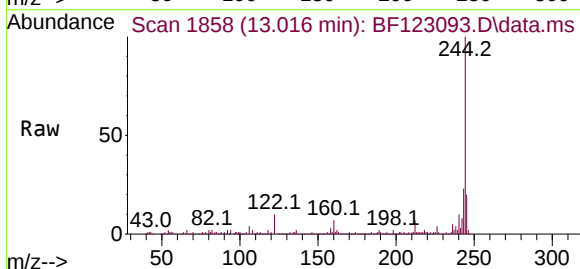
Delta R.T. -0.012 min

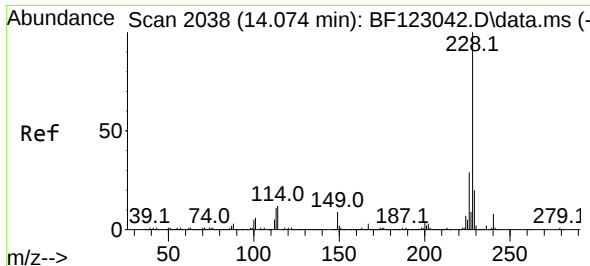
Lab File: BF123093.D

Acq: 29 Jan 2021 20:51

Tgt Ion:244 Resp: 335101

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	10.3	8.3	12.5

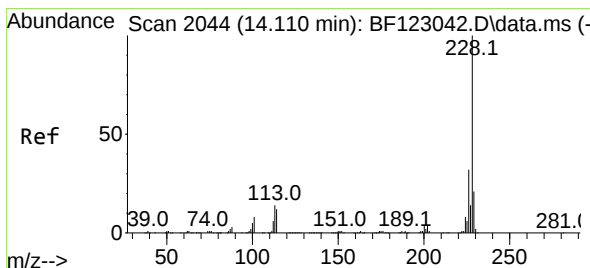
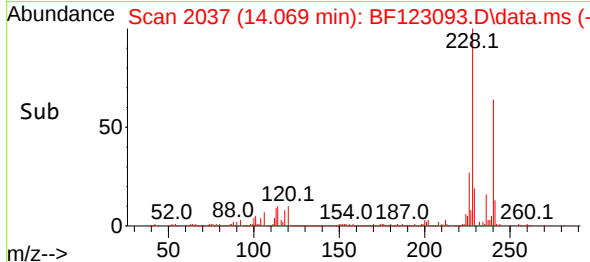
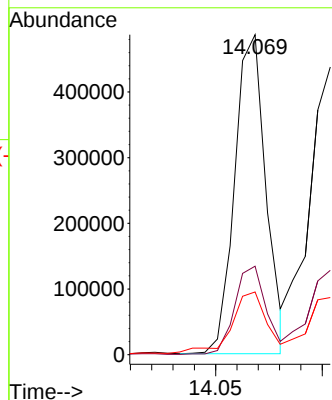
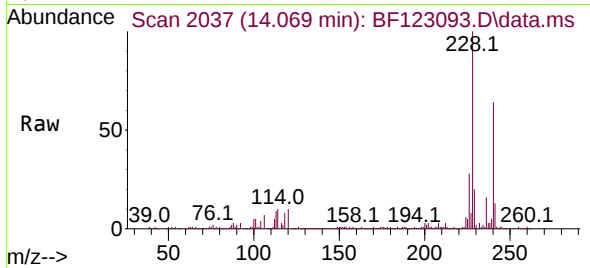




#81
Benzo(a)anthracene
Concen: 9.20 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

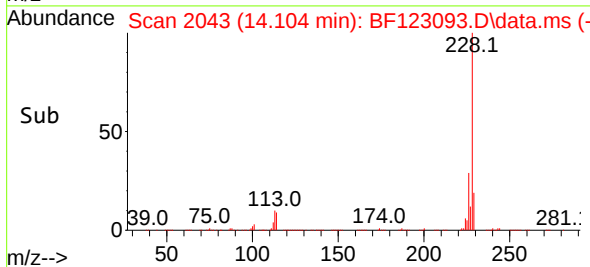
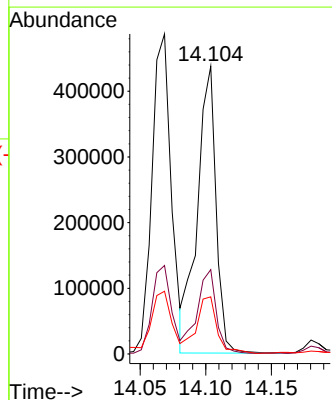
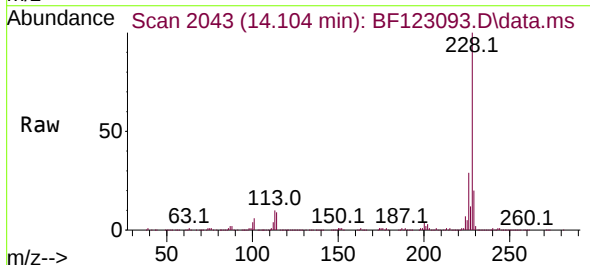
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2

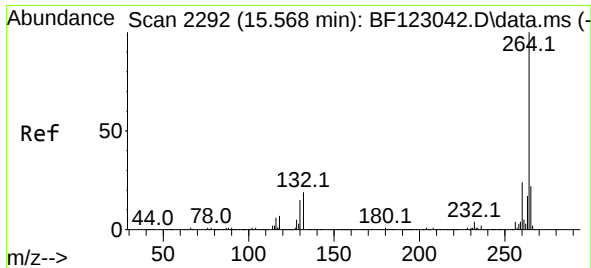
Tgt Ion:228 Resp: 495564
Ion Ratio Lower Upper
228 100
226 27.6 23.0 34.4
229 19.6 16.6 24.8



#83
Chrysene
Concen: 8.10 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

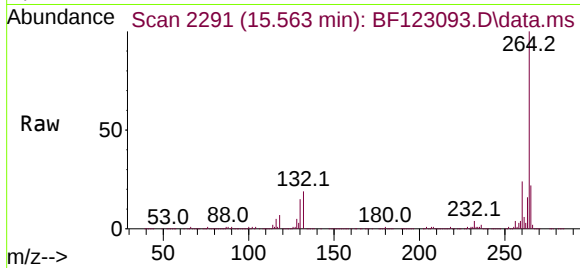
Tgt Ion:228 Resp: 436511
Ion Ratio Lower Upper
228 100
226 29.3 24.6 36.8
229 19.9 15.8 23.6



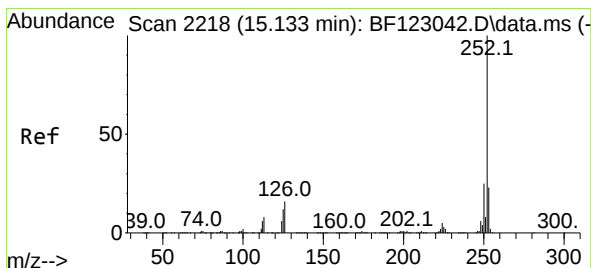
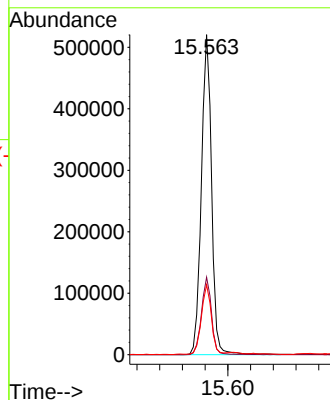
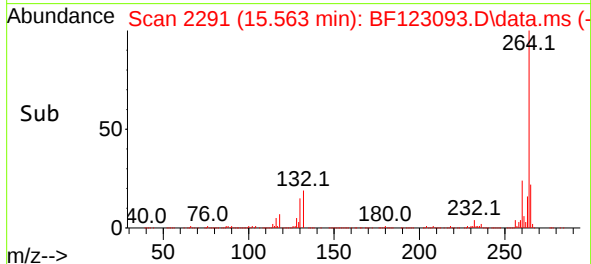


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.563 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

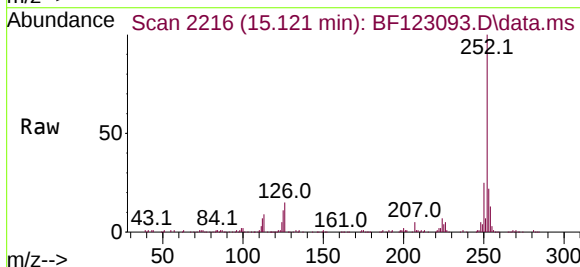
Instrument :
BNA_F
ClientSampleId :
CRT-5DL2



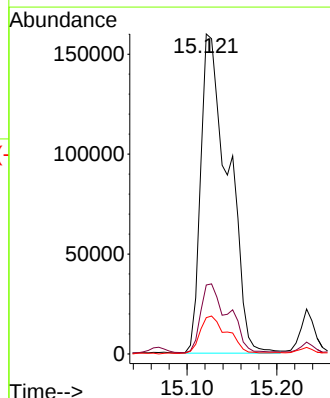
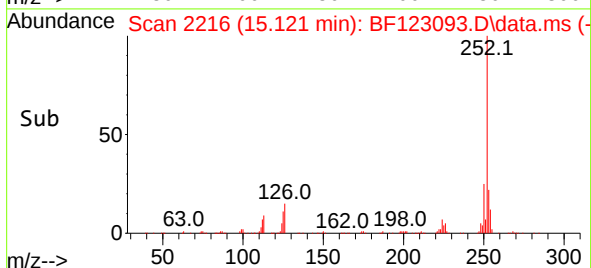
Tgt Ion:	264	Resp:	650803
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.6	28.0
265	21.9	17.0	25.6

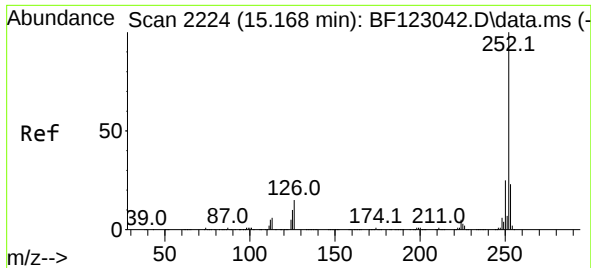


#88
Benzo(b)fluoranthene
Concen: 7.25 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51



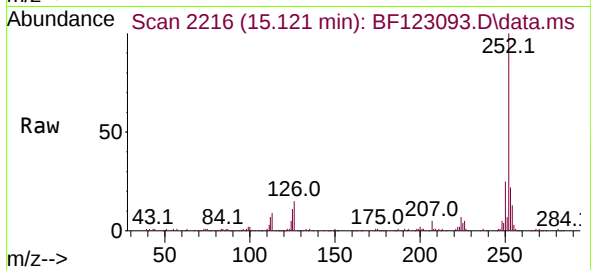
Tgt Ion:	252	Resp:	340634
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.3	27.5
125	11.4	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 7.80 ng
RT: 15.121 min Scan# 2216
Delta R.T. -0.047 min
Lab File: BF123093.D
Acq: 29 Jan 2021 20:51

Instrument :
BNA_F
ClientSampleId :
CRT-5DL2



Tgt Ion:252 Resp: 340634
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 11.4 8.4 12.6

