

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041921\
 Data File : BF123632.D
 Acq On : 19 Apr 2021 20:27
 Operator : JU/CG
 Sample : M2063-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0-2

Quant Time: Apr 20 03:05:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

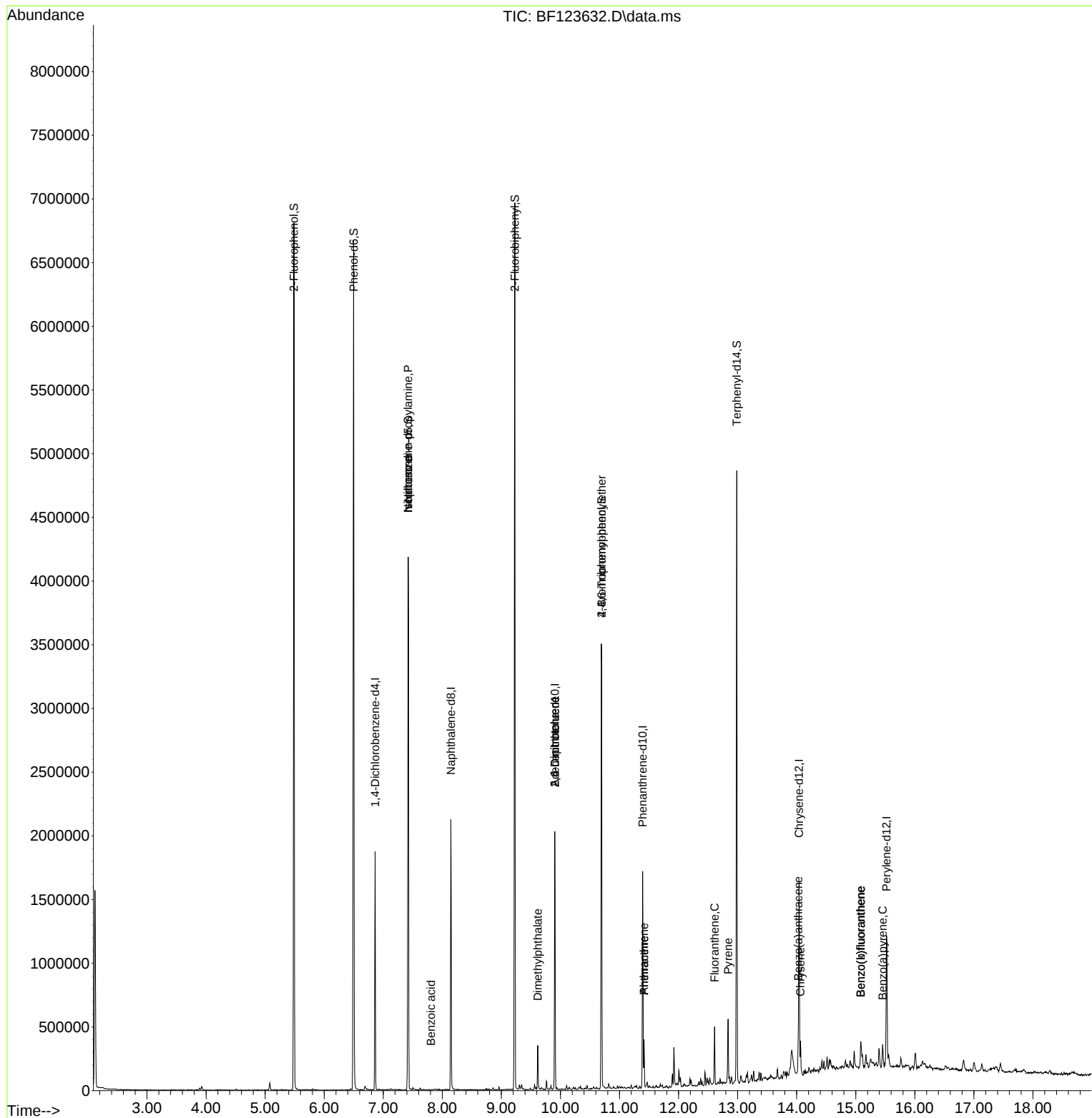
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	218123	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	795906	20.00	ng	#-0.01
39) Acenaphthene-d10	9.904	164	361159	20.00	ng	-0.01
64) Phenanthrene-d10	11.392	188	574897	20.00	ng	-0.01
76) Chrysene-d12	14.039	240	478733	20.00	ng	-0.02
86) Perylene-d12	15.521	264	481846	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1424881	105.58	ng	0.00
7) Phenol-d6	6.498	99	1839528	98.37	ng	0.00
23) Nitrobenzene-d5	7.422	82	1318340	76.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	416260	101.78	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1852774	76.47	ng	-0.01
79) Terphenyl-d14	12.986	244	1419505	57.63	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	180148	14.54	ng	# 73
25) Isophorone	7.422	82	1316094	39.18	ng	# 69
32) Benzoic acid	7.810	122	118	4.56	ng	# 1
50) Dimethylphthalate	9.616	163	105822	4.24	ng	99
51) 2,6-Dinitrotoluene	9.904	165	46934	8.57	ng	# 12
57) 2,4-Dinitrotoluene	9.904	165	46934	6.42	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	24876	4.14	ng	# 1
71) Phenanthrene	11.416	178	115187	3.84	ng	98
72) Anthracene	11.416	178	115187	3.84	ng	98
75) Fluoranthene	12.610	202	160618	4.87	ng	97
78) Pyrene	12.839	202	193464	5.54	ng	96
81) Benzo(a)anthracene	14.027	228	81609	2.78	ng	93
83) Chrysene	14.063	228	95410	3.24	ng	99
88) Benzo(b)fluoranthene	15.086	252	150861	4.43	ng	# 94
89) Benzo(k)fluoranthene	15.086	252	150861	3.49	ng	96
90) Benzo(a)pyrene	15.457	252	82561	3.05	ng	# 95

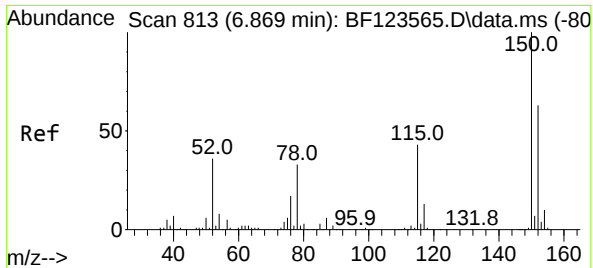
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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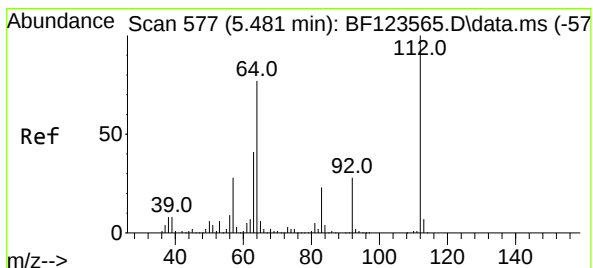
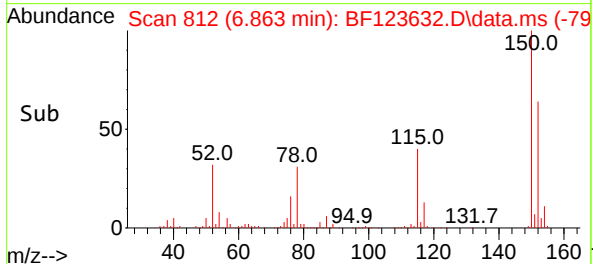
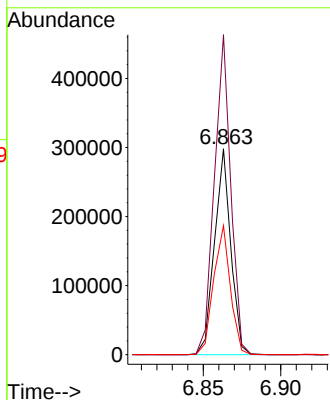
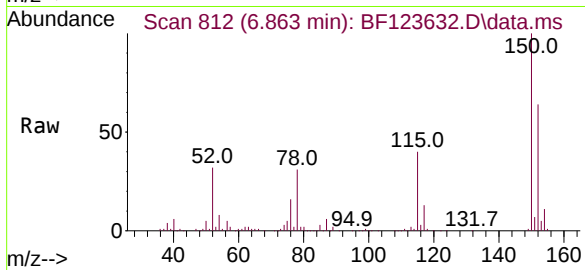




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

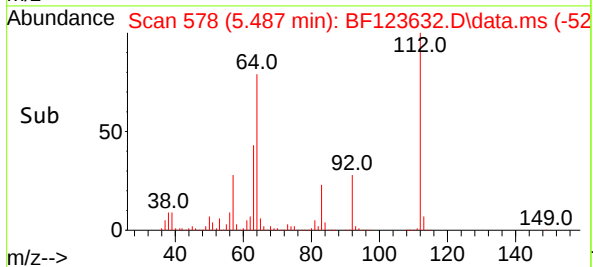
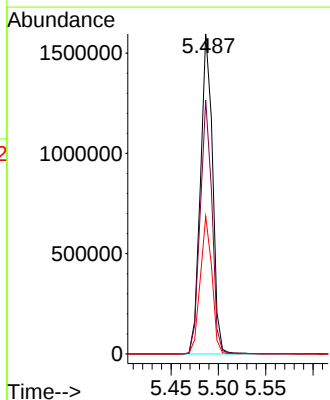
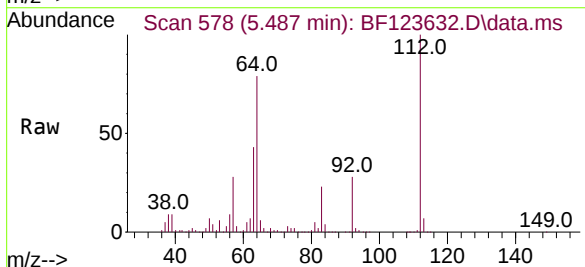
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BNA_F
ClientSampleId :
TP2-0-2

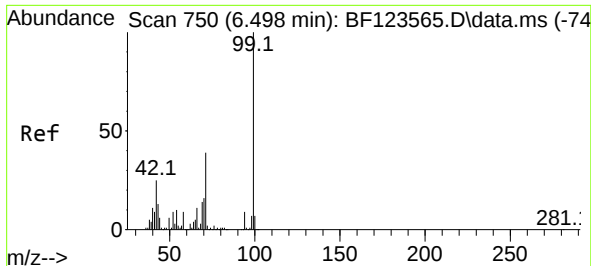
Tgt Ion:152 Resp: 218123
Ion Ratio Lower Upper
152 100
150 155.4 127.0 190.6
115 62.7 54.3 81.5



#5
2-Fluorophenol
Concen: 105.58 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:112 Resp: 1424881
Ion Ratio Lower Upper
112 100
64 79.3 61.4 92.0
63 43.0 33.0 49.4

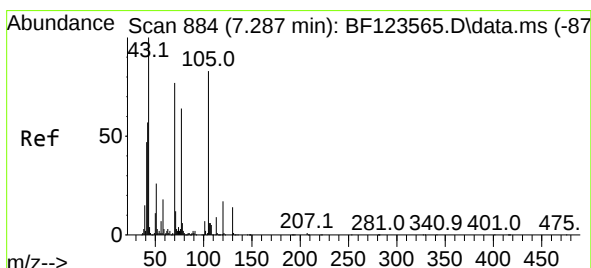
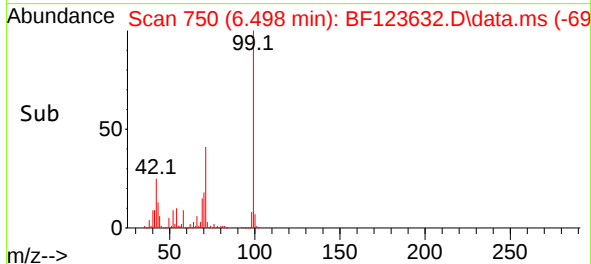
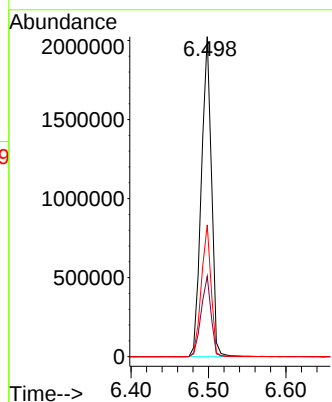
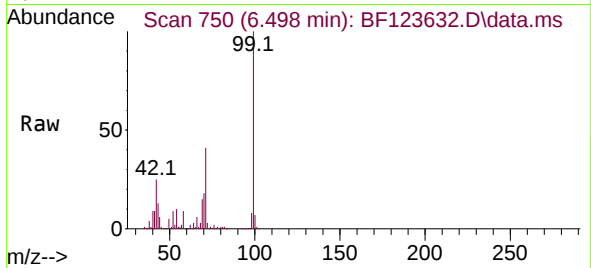




#7
Phenol-d6
Concen: 98.37 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

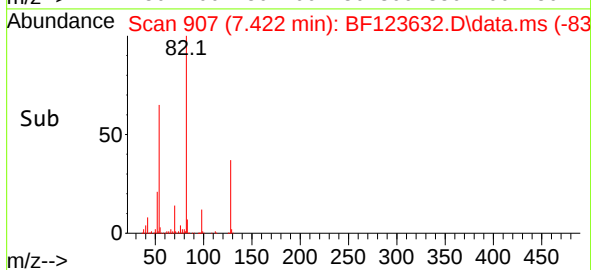
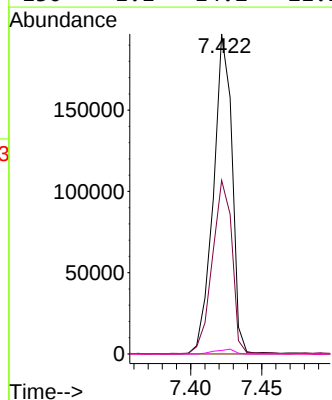
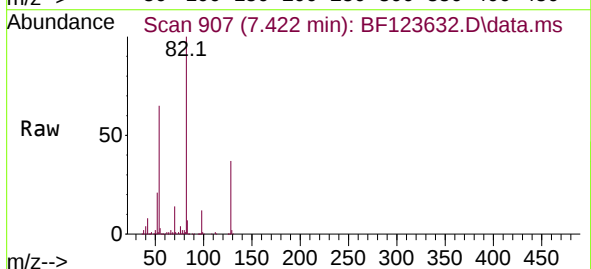
Instrument :
BNA_F
ClientSampleId :
TP2-0-2

Tgt Ion: 99 Resp: 1839528
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.8
71 41.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.54 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion: 70 Resp: 180148
Ion Ratio Lower Upper
70 100
42 54.3 60.1 90.1#
101 0.0 7.4 11.2#
130 1.1 14.2 21.2#

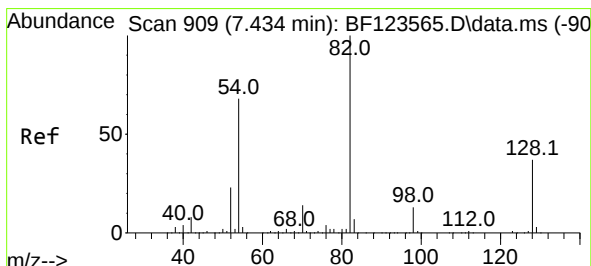
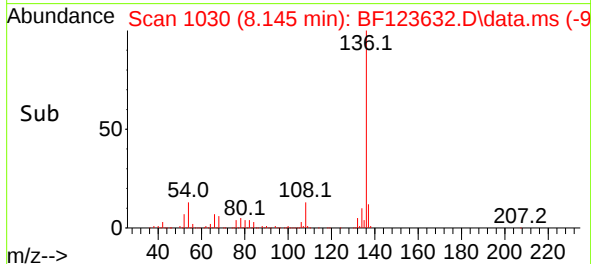
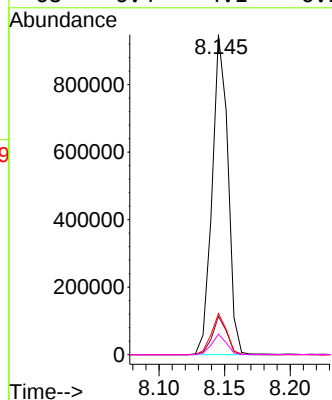
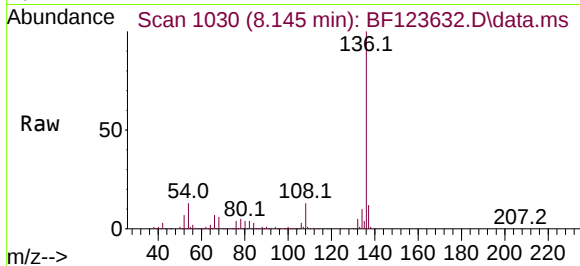




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

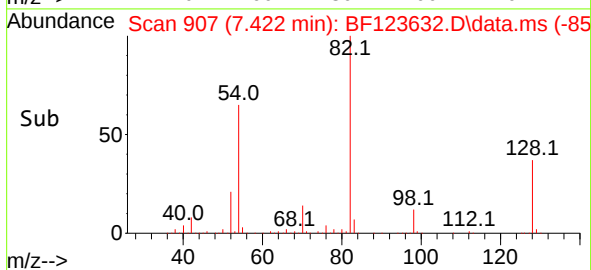
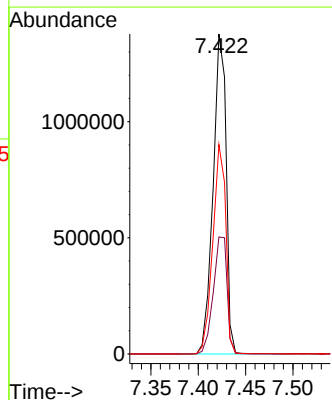
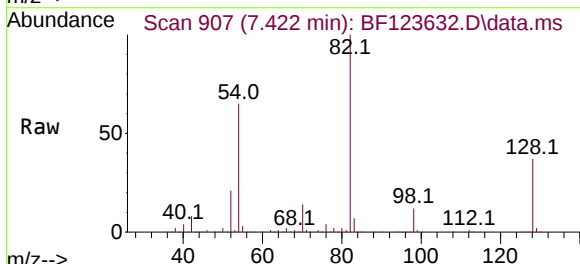
Instrument :
BNA_F
ClientSampleId :
TP2-0-2

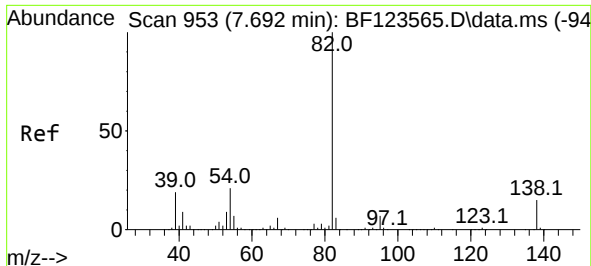
Tgt Ion:	136	Resp:	795906
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.7	13.1
54	12.9	9.8	14.6
68	6.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 76.15 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:	82	Resp:	1318340
Ion Ratio	Lower	Upper	
82	100		
128	36.6	29.4	44.2
54	65.4	54.1	81.1

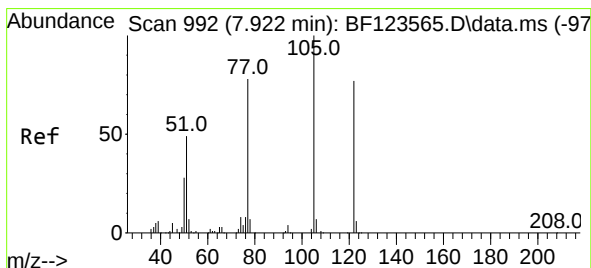
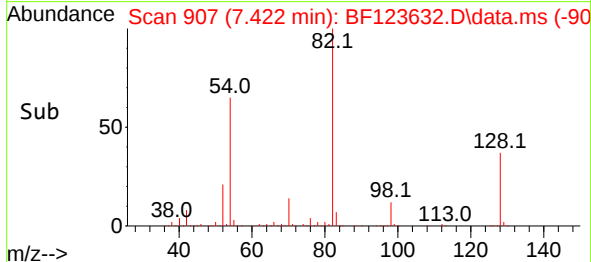
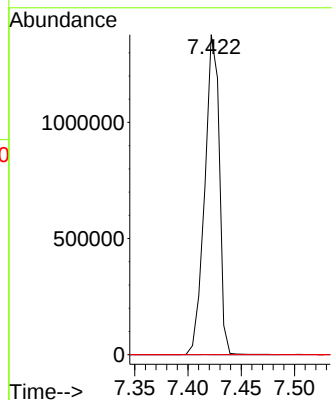
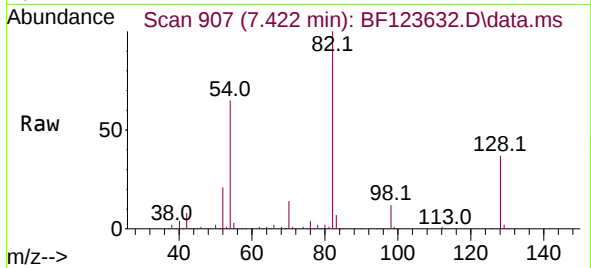




#25
Isophorone
Concen: 39.18 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

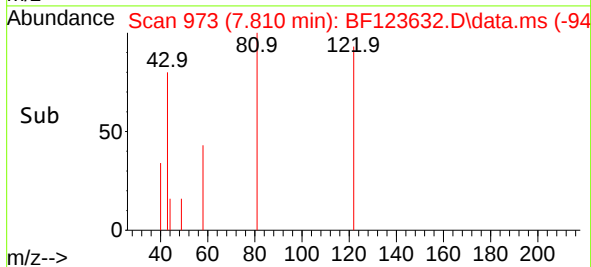
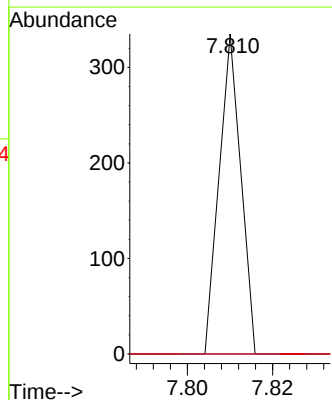
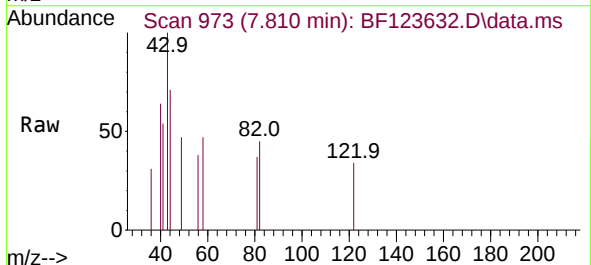
Instrument :
BNA_F
ClientSampleId :
TP2-0-2

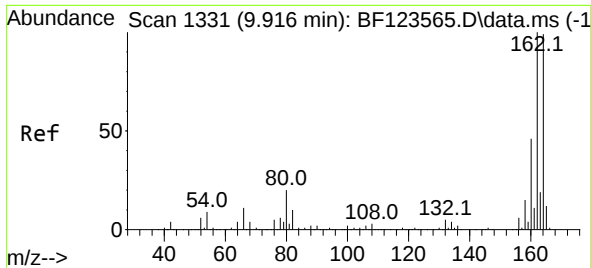
Tgt Ion: 82 Resp: 1316094
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.112 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion: 122 Resp: 118
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 0.0 81.6 121.6#

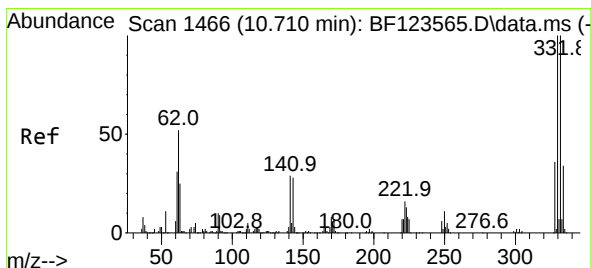
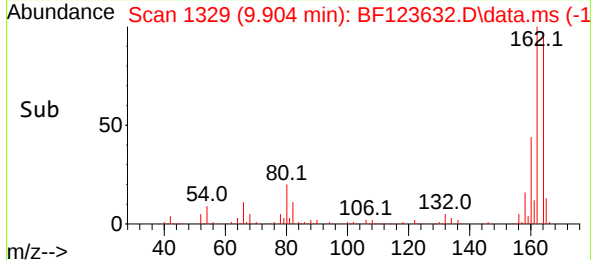
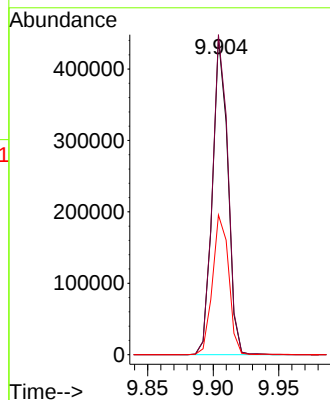
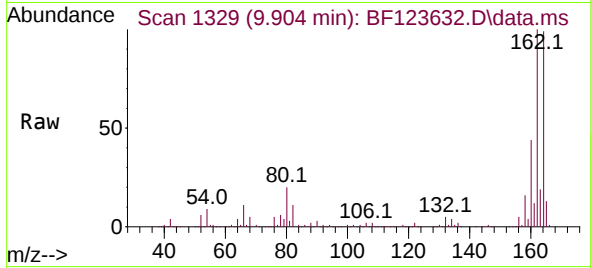




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

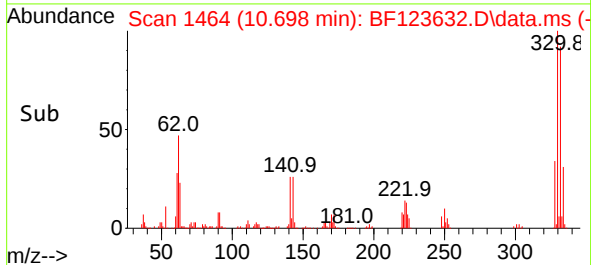
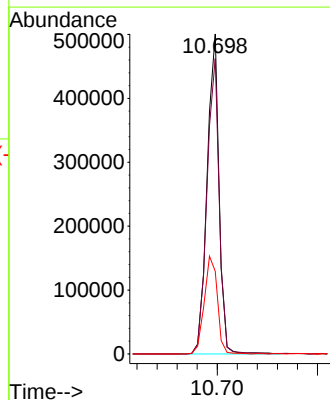
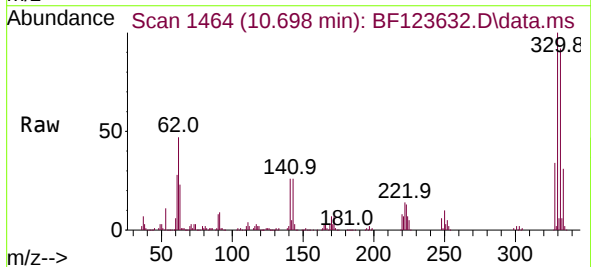
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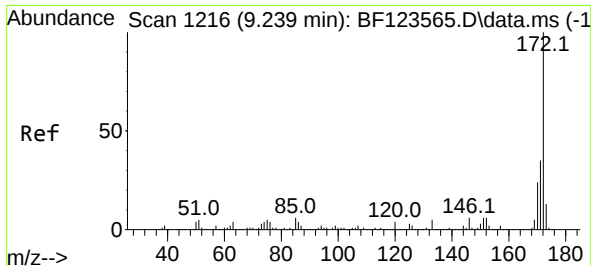
Tgt Ion:164 Resp: 361159
Ion Ratio Lower Upper
164 100
162 101.0 80.7 121.1
160 44.0 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 101.78 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:330 Resp: 416260
Ion Ratio Lower Upper
330 100
332 95.1 77.1 115.7
141 33.5 27.9 41.9

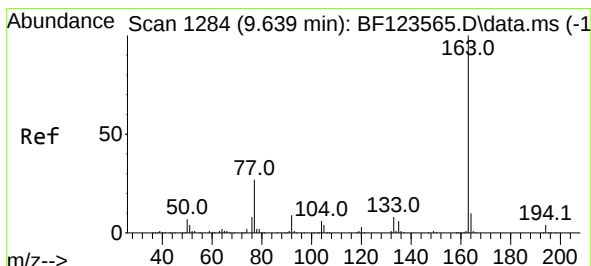
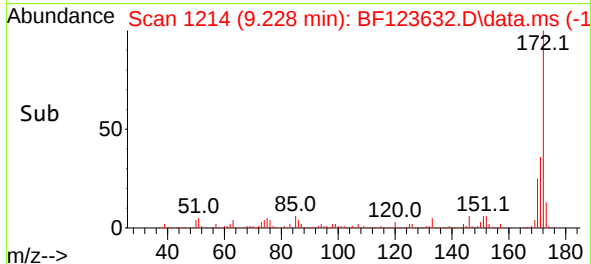
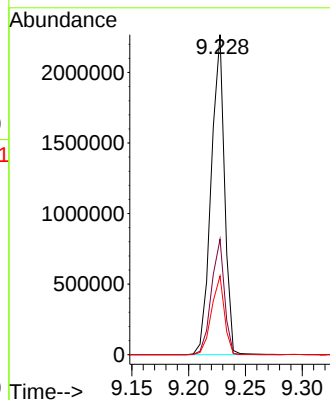
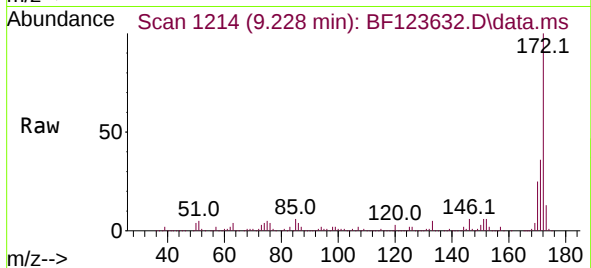




#45
2-Fluorobiphenyl
Concen: 76.47 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

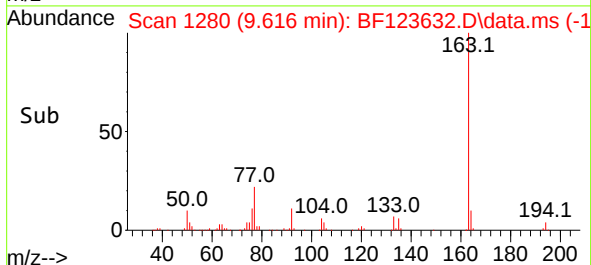
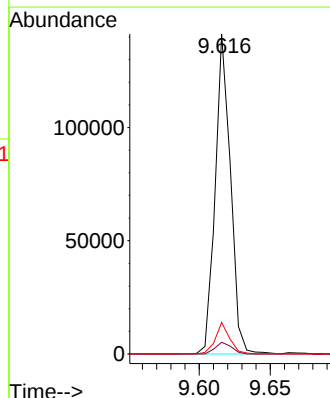
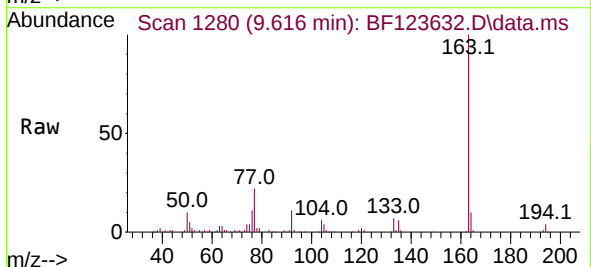
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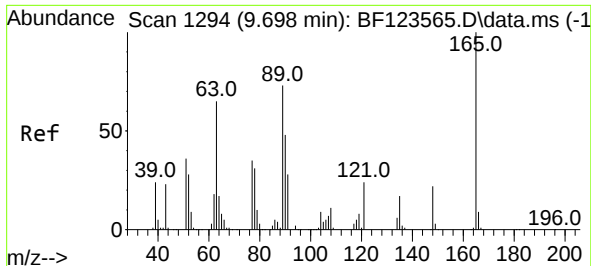
Tgt Ion:172 Resp: 1852774
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 24.6 19.2 28.8



#50
Dimethylphthalate
Concen: 4.24 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.024 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:163 Resp: 105822
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.9 8.2 12.2

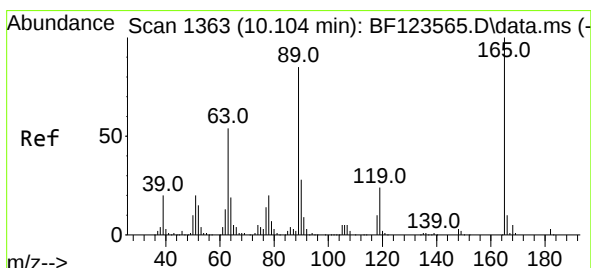
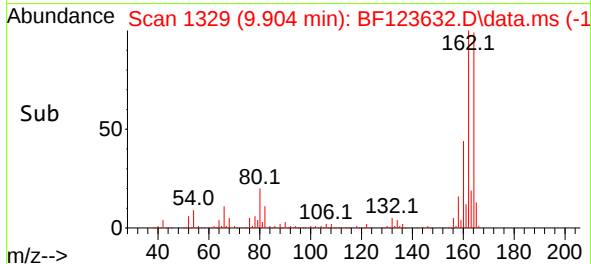
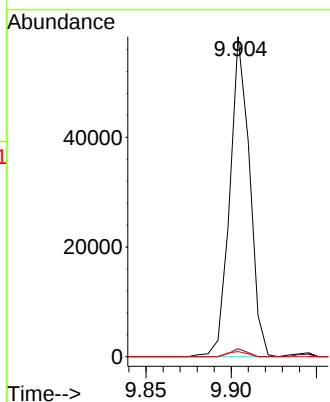
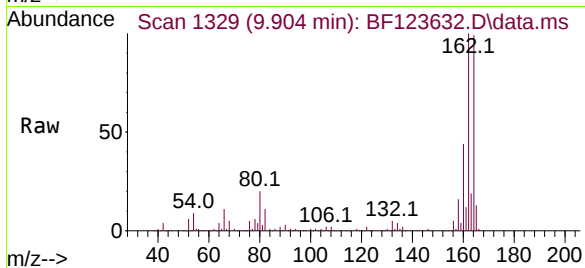




#51
2,6-Dinitrotoluene
Concen: 8.57 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

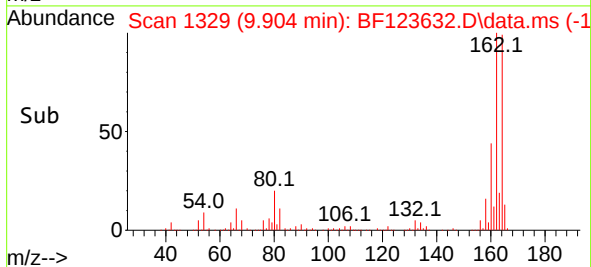
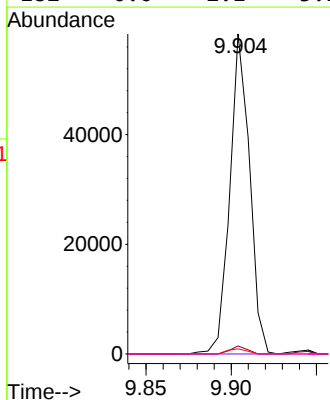
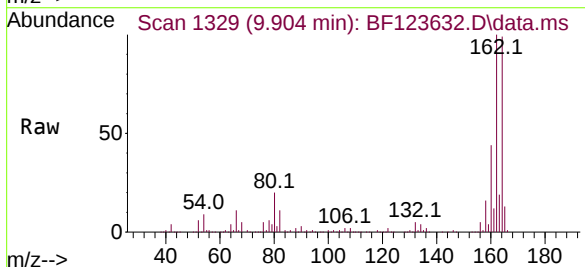
Instrument :
BNA_F
ClientSampleId :
TP2-0-2

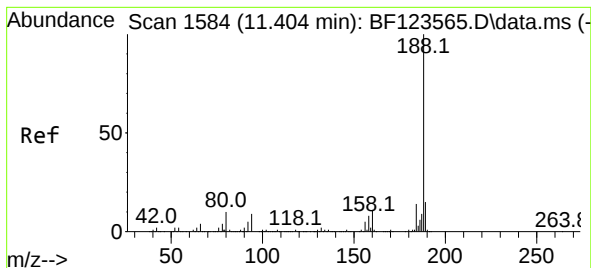
Tgt Ion:165 Resp: 46934
Ion Ratio Lower Upper
165 100
63 2.5 67.7 101.5#
89 1.6 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.200 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:165 Resp: 46934
Ion Ratio Lower Upper
165 100
63 2.5 43.5 65.3#
89 1.6 67.7 101.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF123632.D

Acq: 19 Apr 2021 20:27

Tgt Ion:188 Resp: 574897

Ion Ratio Lower Upper

188 100

94 9.8 6.9 10.3

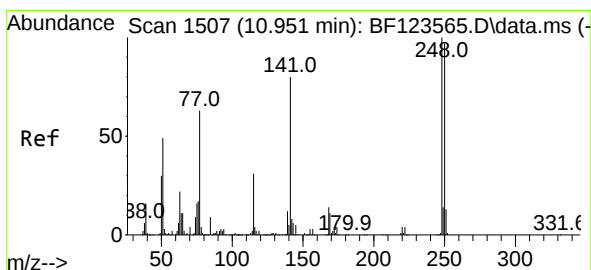
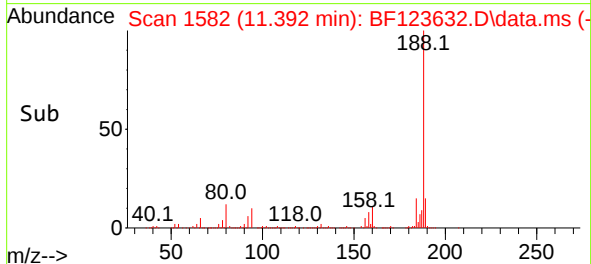
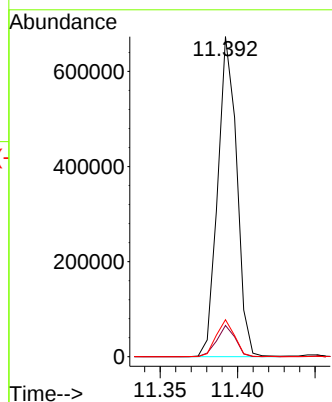
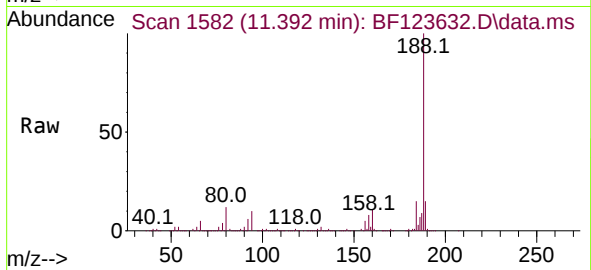
80 11.5 8.2 12.2

Instrument :

BNA_F

ClientSampleId :

TP2-0-2



#67

4-Bromophenyl-phenylether

Concen: 4.14 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.253 min

Lab File: BF123632.D

Acq: 19 Apr 2021 20:27

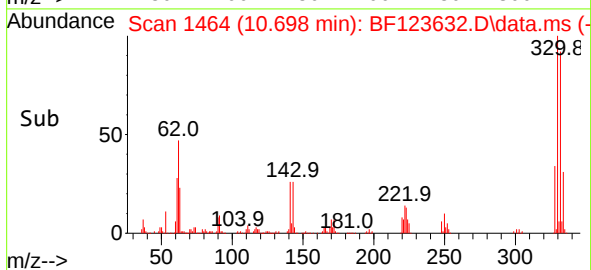
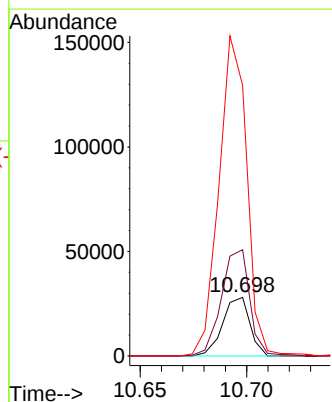
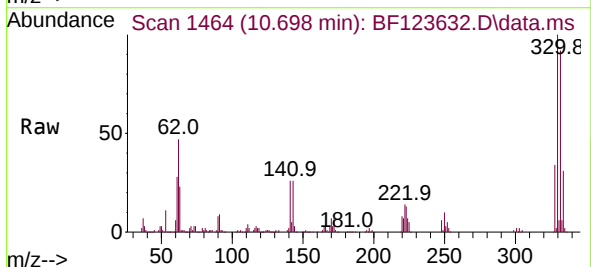
Tgt Ion:248 Resp: 24876

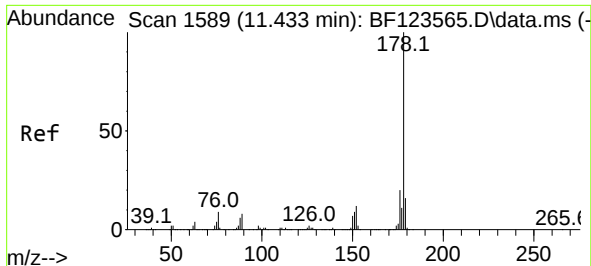
Ion Ratio Lower Upper

248 100

250 181.3 77.4 116.2#

141 461.6 63.7 95.5#

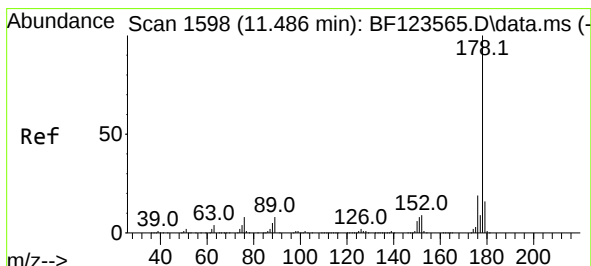
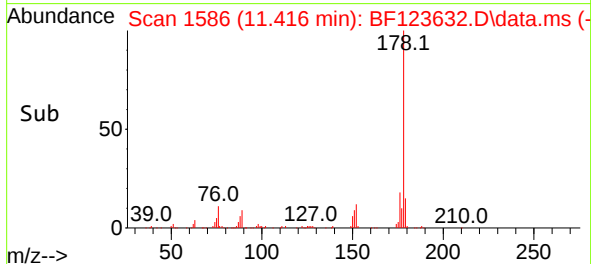
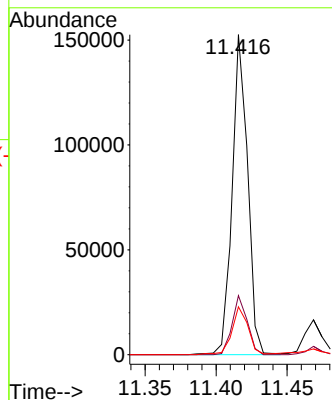
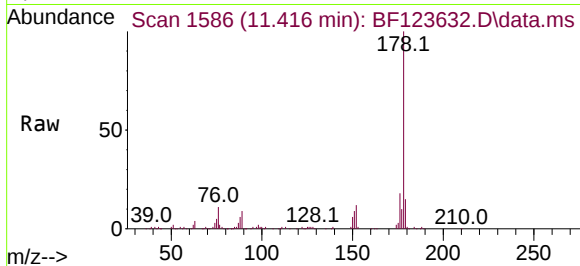




#71
Phenanthrene
Concen: 3.84 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

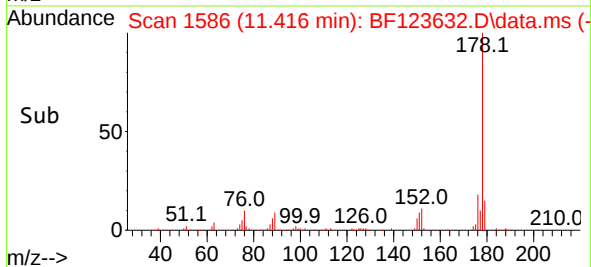
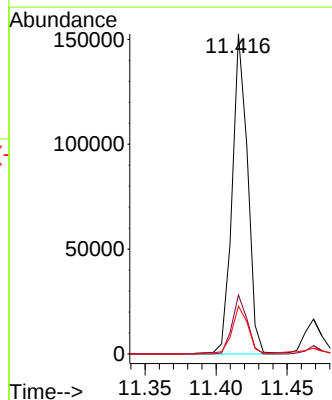
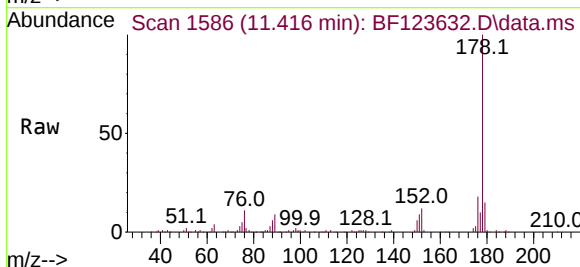
Instrument :
BNA_F
ClientSampled :
TP2-0-2

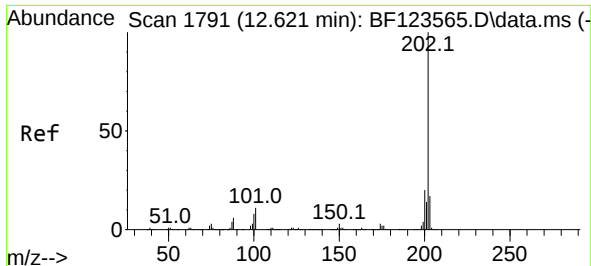
Tgt Ion:178 Resp: 115187
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.9 12.5 18.7



#72
Anthracene
Concen: 3.84 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.071 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:178 Resp: 115187
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 14.9 12.6 18.8

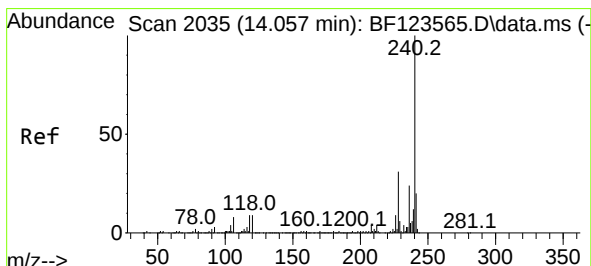
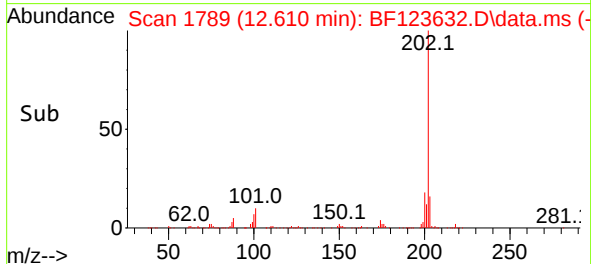
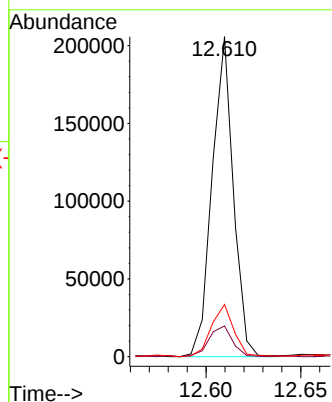
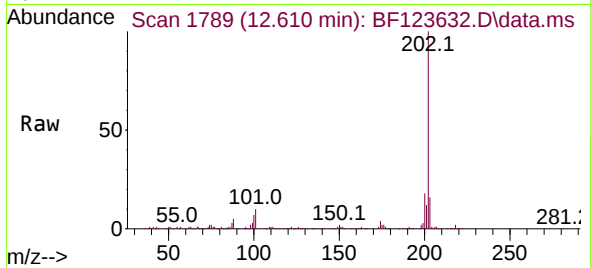




#75
Fluoranthene
Concen: 4.87 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

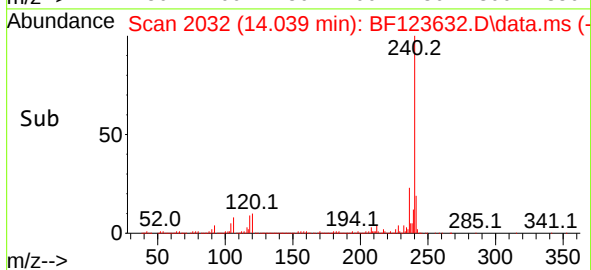
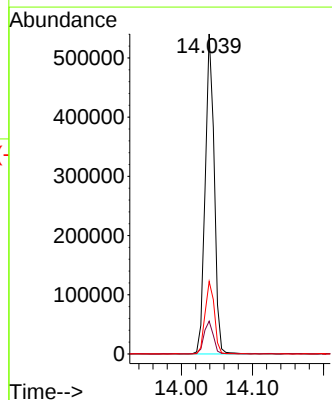
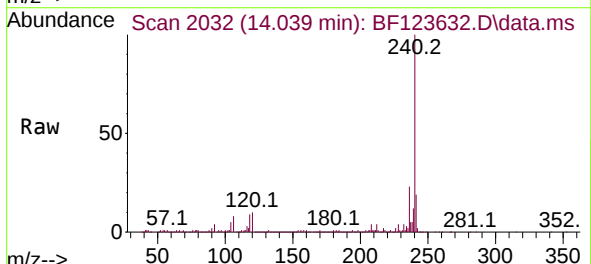
Instrument :
BNA_F
ClientSampleId :
TP2-0-2

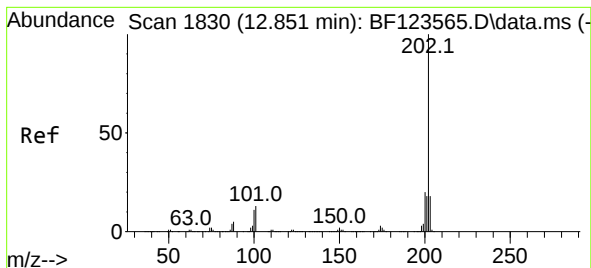
Tgt Ion:202 Resp: 160618
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.9
203 16.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:240 Resp: 478733
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 22.7 19.0 28.4





#78

Pyrene

Concen: 5.54 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF123632.D

Acq: 19 Apr 2021 20:27

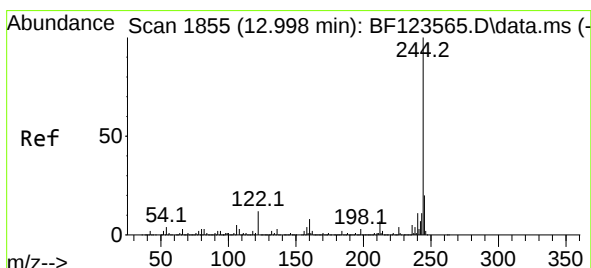
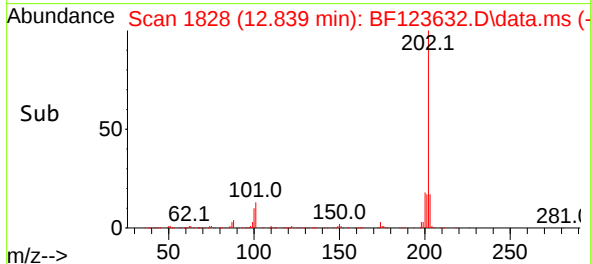
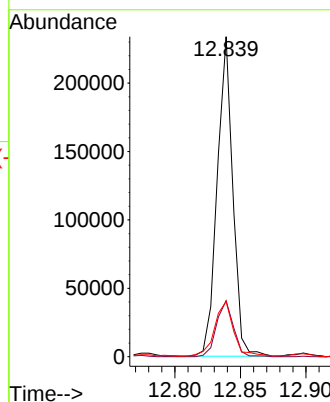
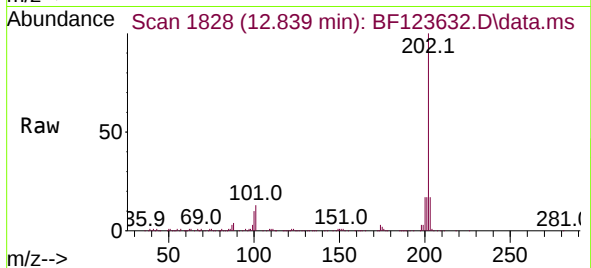
Tgt Ion:202 Resp: 193464

Ion Ratio Lower Upper

202 100

200 17.5 16.1 24.1

203 17.3 14.8 22.2



#79

Terphenyl-d14

Concen: 57.63 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF123632.D

Acq: 19 Apr 2021 20:27

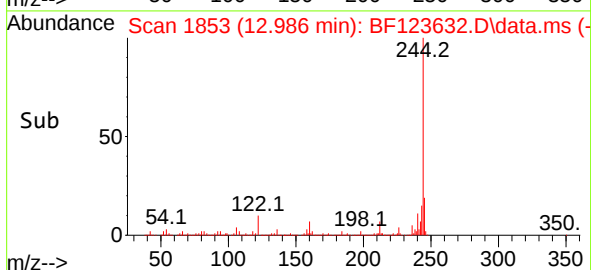
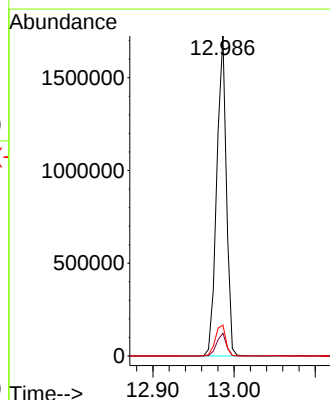
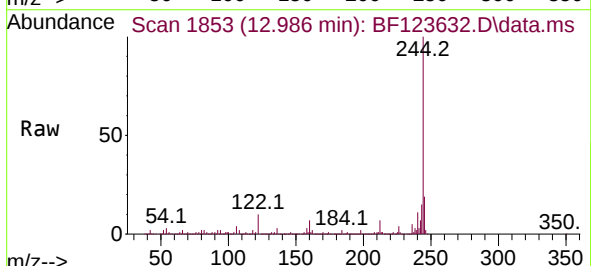
Tgt Ion:244 Resp: 1419505

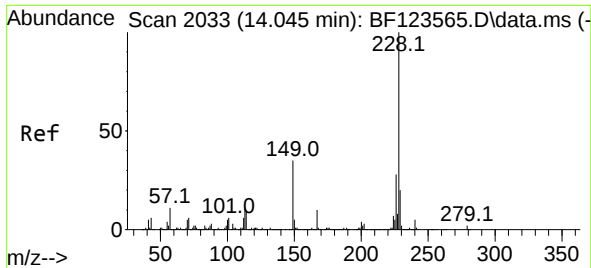
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 9.7 9.7 14.5#

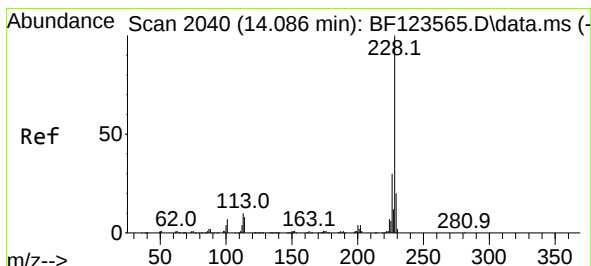
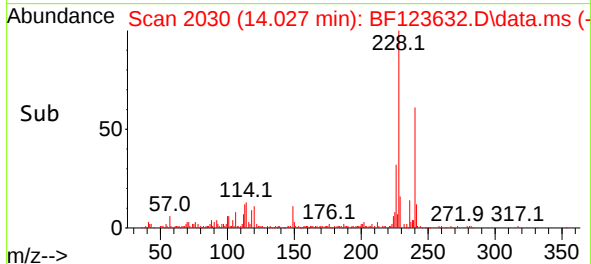
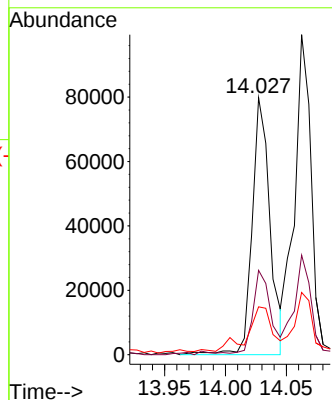
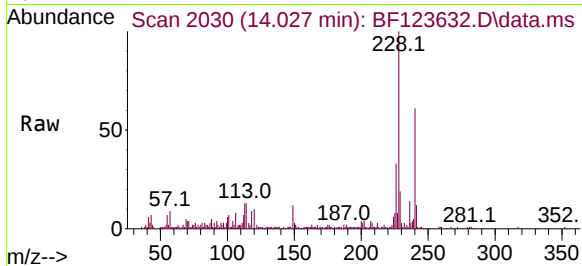




#81
Benzo(a)anthracene
Concen: 2.78 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

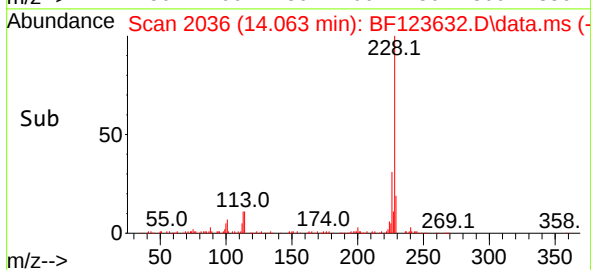
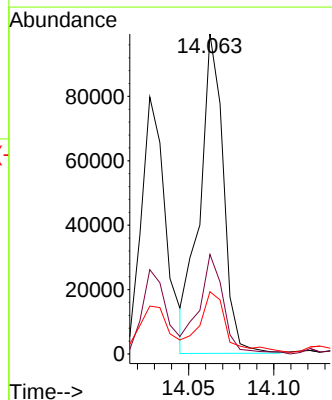
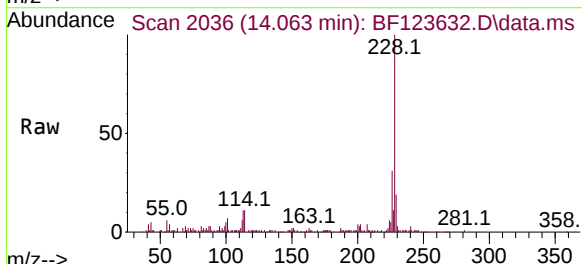
Instrument :
BNA_F
ClientSampleId :
TP2-0-2

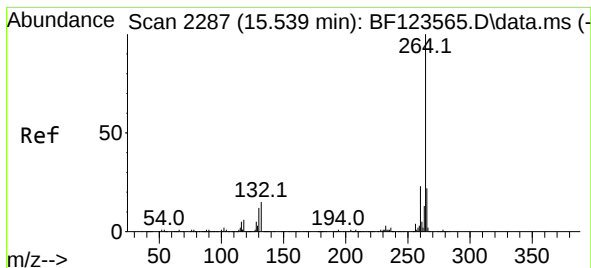
Tgt Ion:228 Resp: 81609
Ion Ratio Lower Upper
228 100
226 32.8 22.4 33.6
229 18.6 16.0 24.0



#83
Chrysene
Concen: 3.24 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.024 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:228 Resp: 95410
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 19.5 16.2 24.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.521 min Scan# 2284

Delta R.T. -0.018 min

Lab File: BF123632.D

Acq: 19 Apr 2021 20:27

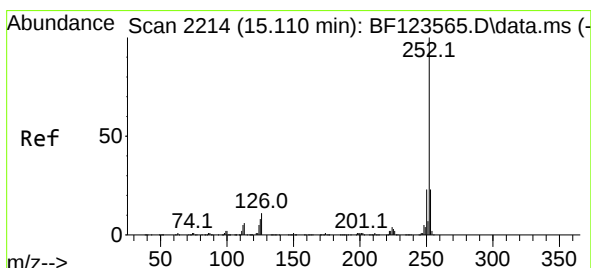
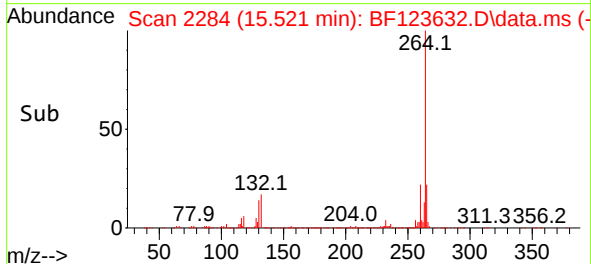
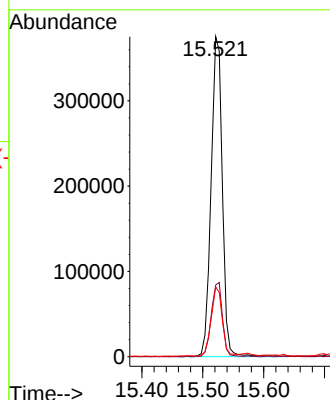
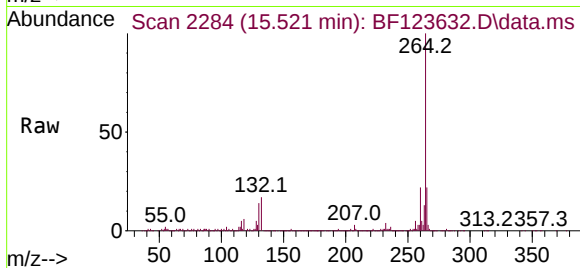
Tgt Ion:264	Resp:	481846
Ion Ratio	Lower	Upper
264	100	
260	22.4	18.7 28.1
265	21.8	17.8 26.8

Instrument :

BNA_F

ClientSampleId :

TP2-0-2



#88

Benzo(b)fluoranthene

Concen: 4.43 ng

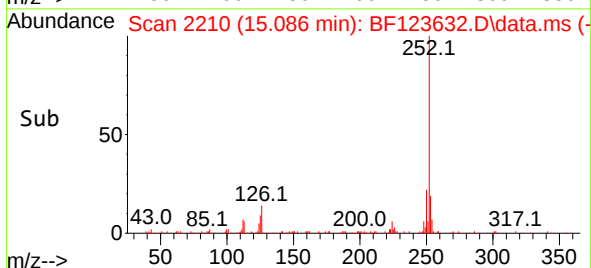
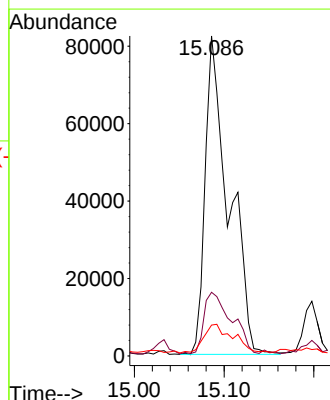
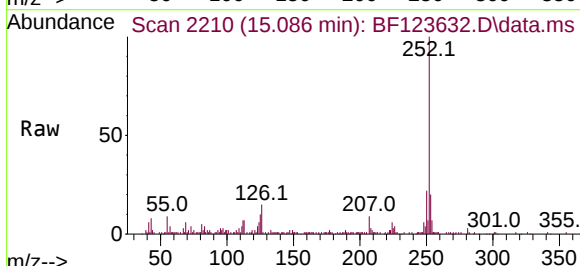
RT: 15.086 min Scan# 2210

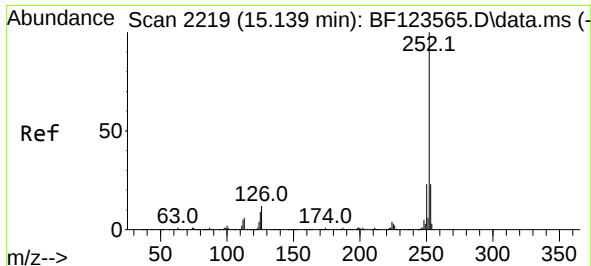
Delta R.T. -0.024 min

Lab File: BF123632.D

Acq: 19 Apr 2021 20:27

Tgt Ion:252	Resp:	150861
Ion Ratio	Lower	Upper
252	100	
253	19.9	18.1 27.1
125	9.6	6.2 9.4#

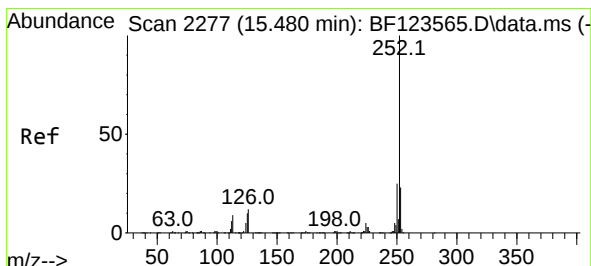
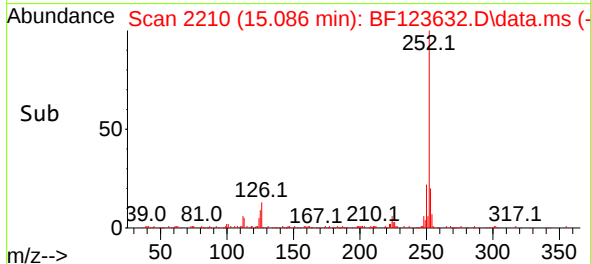
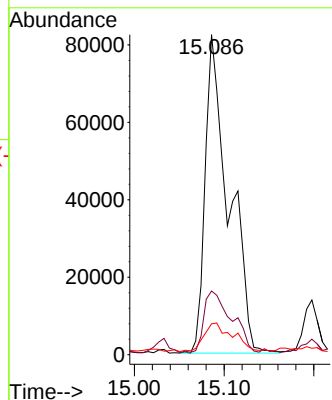
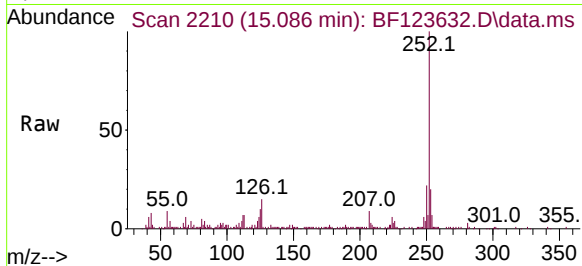




#89
Benzo(k)fluoranthene
Concen: 3.49 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.053 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Instrument :
BNA_F
ClientSampleId :
TP2-0-2

Tgt Ion:252 Resp: 150861
Ion Ratio Lower Upper
252 100
253 19.9 17.9 26.9
125 9.6 7.0 10.6



#90
Benzo(a)pyrene
Concen: 3.05 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.024 min
Lab File: BF123632.D
Acq: 19 Apr 2021 20:27

Tgt Ion:252 Resp: 82561
Ion Ratio Lower Upper
252 100
253 20.6 18.4 27.6
125 12.3 8.0 12.0#

