

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123614.D
 Acq On : 17 Apr 2021 3:12
 Operator : JU/CG
 Sample : M2046-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Apr 17 03:59:22 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)

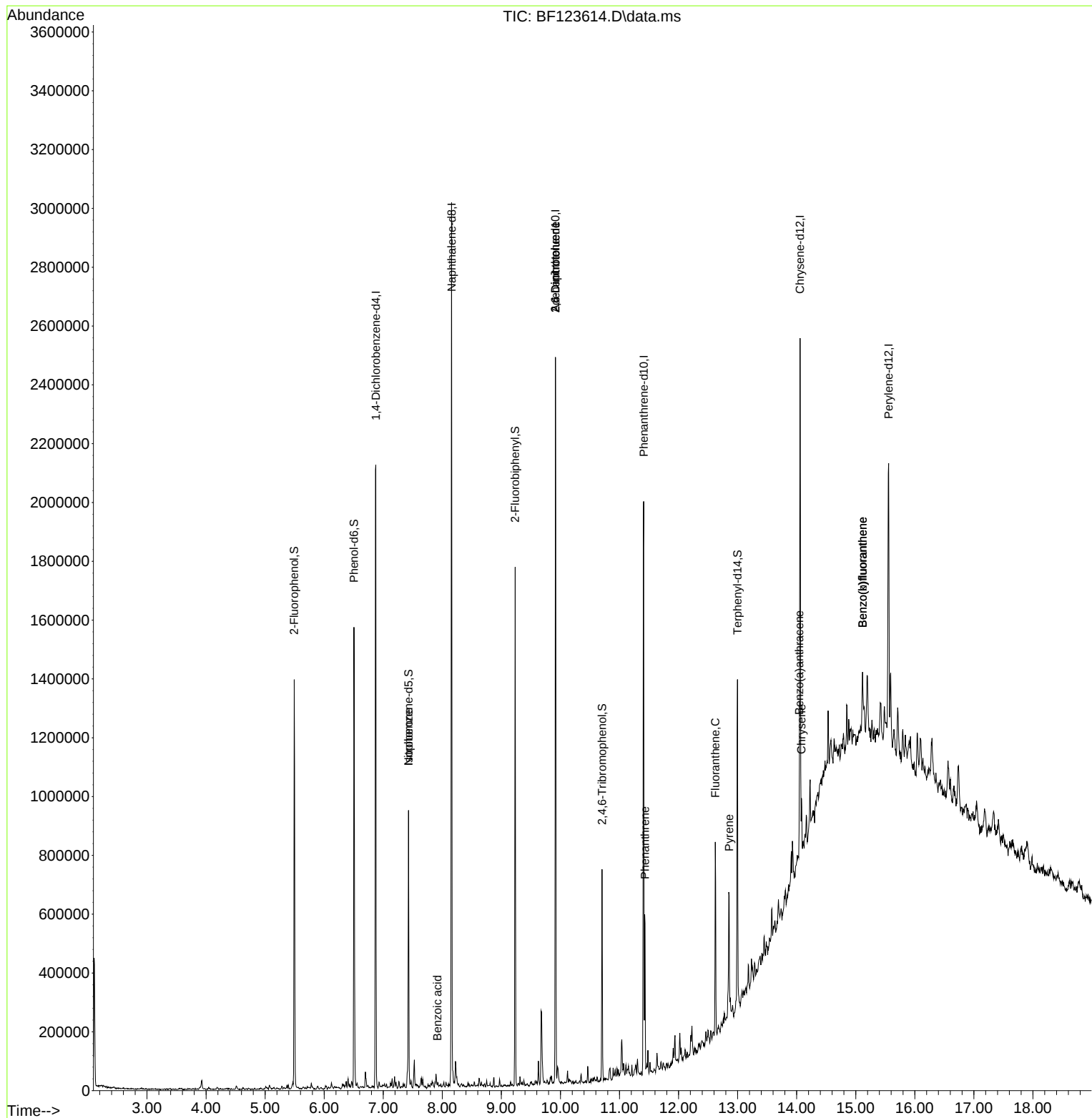
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	295380	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	1042111	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	458974	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	690418	20.00	ng	0.00
76) Chrysene-d12	14.057	240	572935	20.00	ng	0.00
86) Perylene-d12	15.557	264	469698	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	305388	16.71	ng	0.01
7) Phenol-d6	6.504	99	389802	15.39	ng	0.00
23) Nitrobenzene-d5	7.428	82	237670	10.48	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	69758	13.42	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	426947	13.87	ng	0.00
79) Terphenyl-d14	12.998	244	337752	11.46	ng	0.00
Target Compounds						
					Qvalue	
25) Isophorone	7.428	82	235607	5.36	ng	# 69
32) Benzoic acid	7.916	122	113	4.56	ng	# 7
51) 2,6-Dinitrotoluene	9.916	165	58365	8.38	ng	# 11
57) 2,4-Dinitrotoluene	9.916	165	58365	6.28	ng	# 17
71) Phenanthrene	11.433	178	191732	5.32	ng	98
75) Fluoranthene	12.621	202	251567	6.35	ng	98
78) Pyrene	12.857	202	186499	4.46	ng	98
81) Benzo(a)anthracene	14.045	228	72684	2.07	ng	96
83) Chrysene	14.080	228	86841	2.46	ng	96
88) Benzo(b)fluoranthene	15.115	252	110656	3.34	ng	# 79
89) Benzo(k)fluoranthene	15.115	252	110656	2.21	ng	# 79

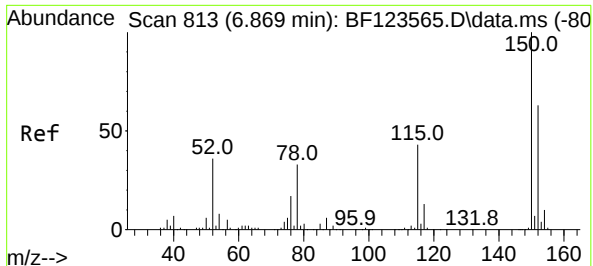
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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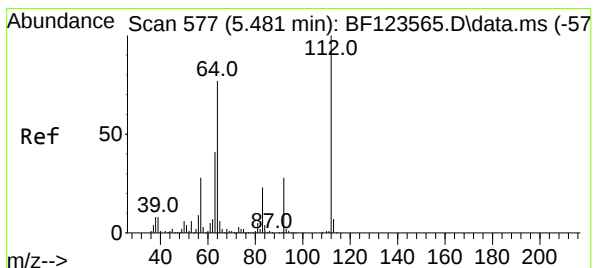
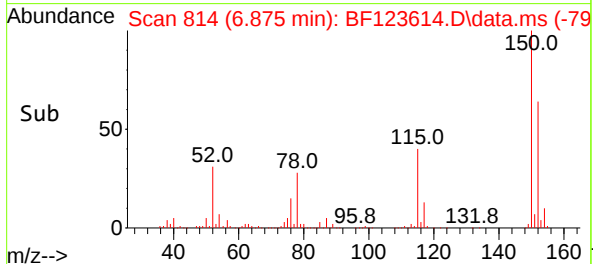
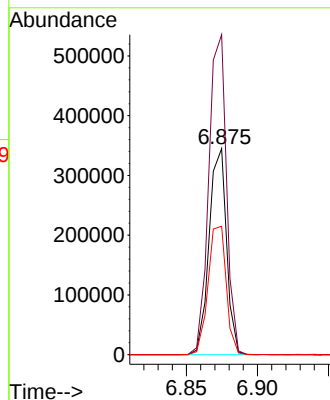
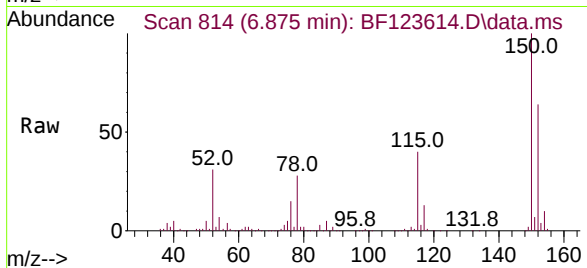




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

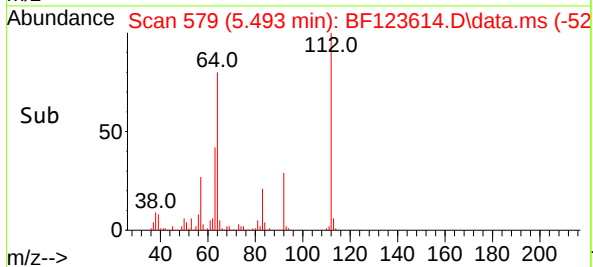
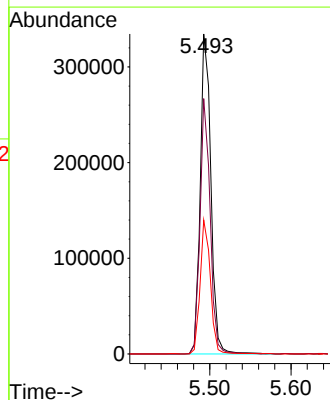
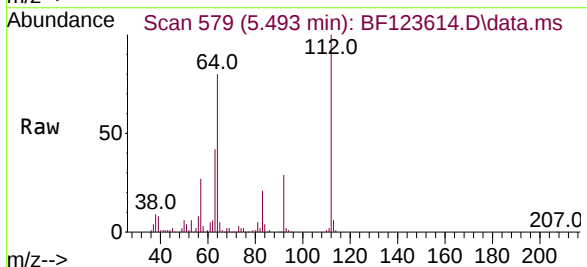
Instrument :
BNA_F
ClientSampleId :
WC-4

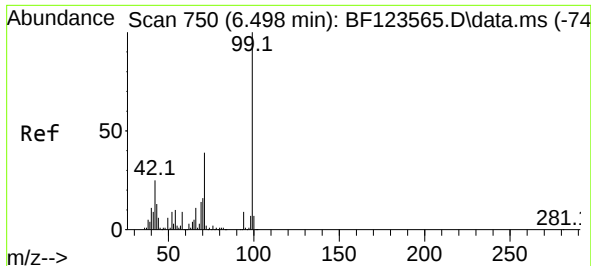
Tgt Ion:152 Resp: 295380
Ion Ratio Lower Upper
152 100
150 155.2 127.0 190.6
115 62.3 54.3 81.5



#5
2-Fluorophenol
Concen: 16.71 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:112 Resp: 305388
Ion Ratio Lower Upper
112 100
64 79.8 61.4 92.0
63 41.8 33.0 49.4

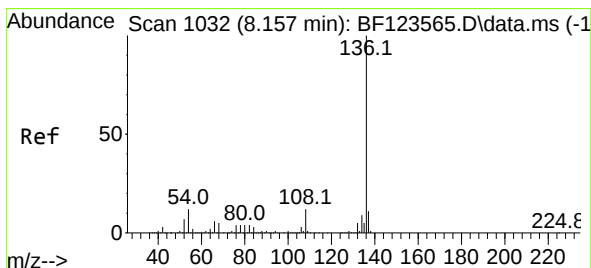
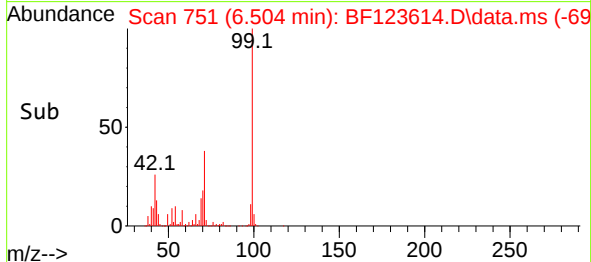
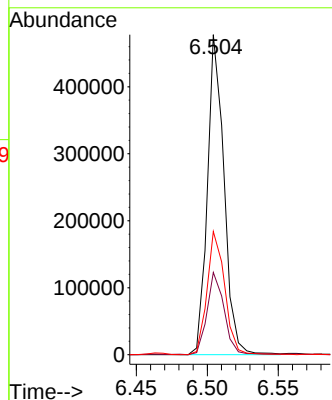
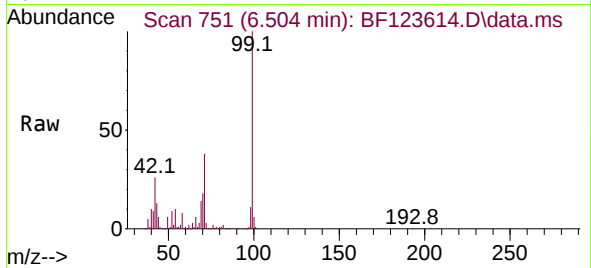




#7
Phenol-d6
Concen: 15.39 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

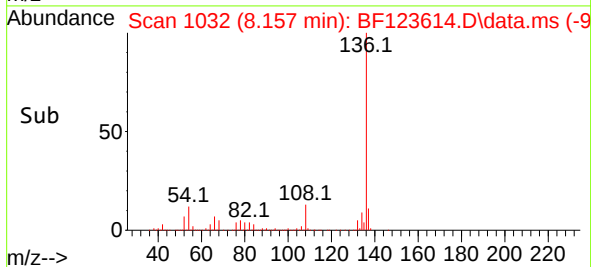
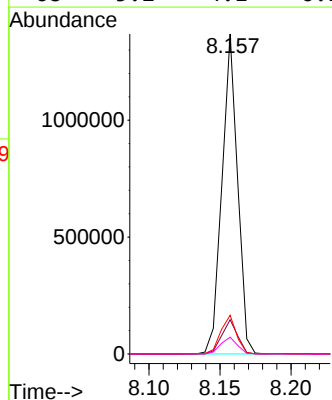
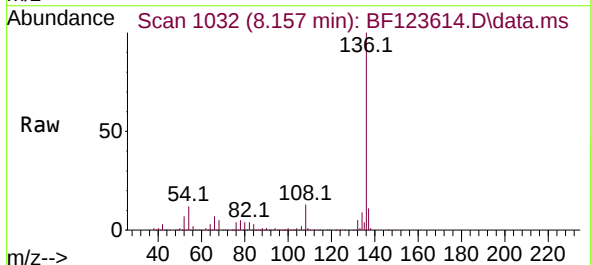
Instrument :
BNA_F
ClientSampleId :
WC-4

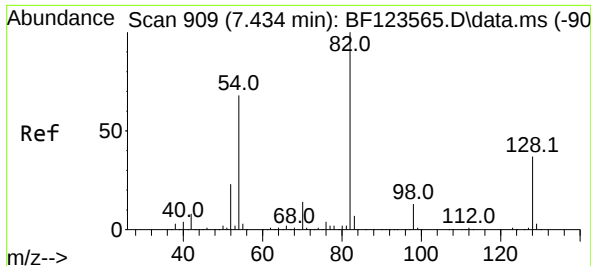
Tgt Ion: 99 Resp: 389802
Ion Ratio Lower Upper
99 100
42 25.7 19.8 29.8
71 38.5 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion: 136 Resp: 1042111
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 12.1 9.8 14.6
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 10.48 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF123614.D

Acq: 17 Apr 2021 3:12

Tgt Ion: 82 Resp: 237670

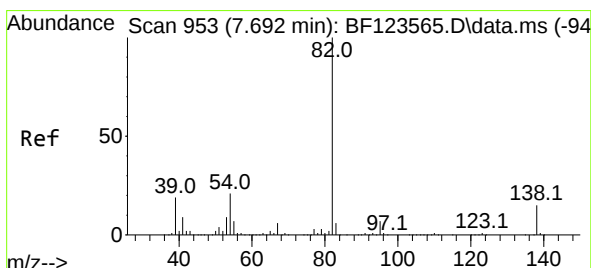
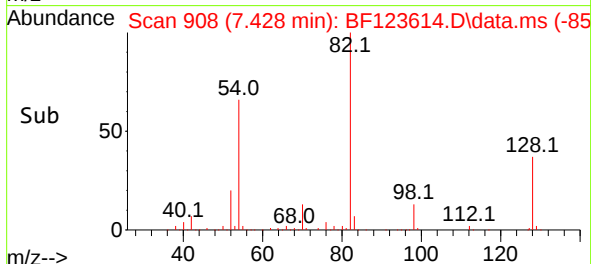
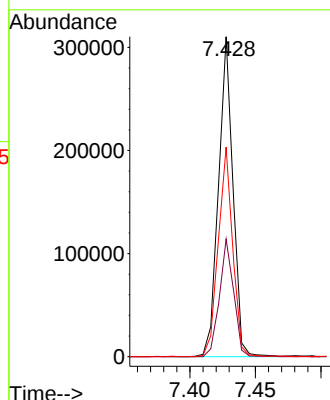
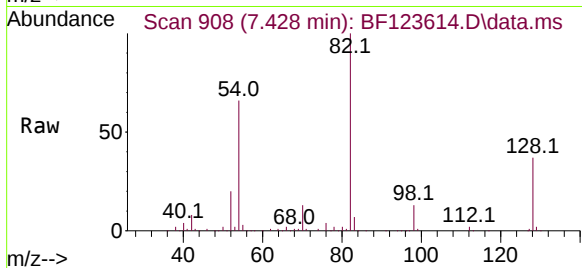
Ion	Ratio	Lower	Upper
82	100		
128	36.8	29.4	44.2
54	65.5	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

WC-4



#25

Isophorone

Concen: 5.36 ng

RT: 7.428 min Scan# 908

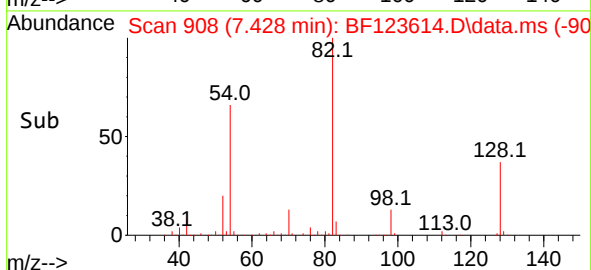
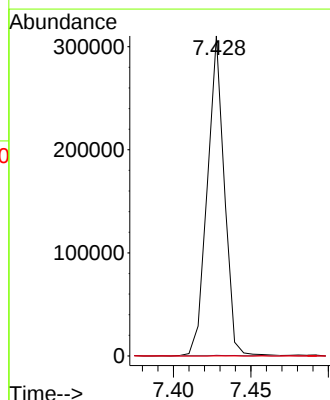
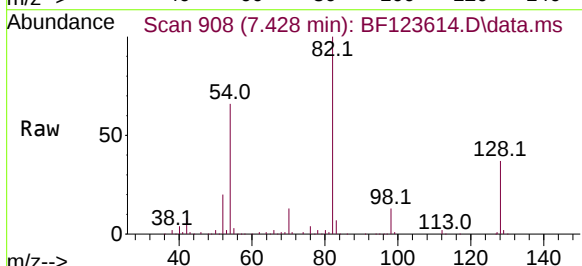
Delta R.T. -0.265 min

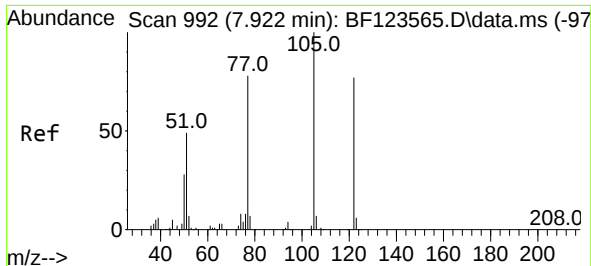
Lab File: BF123614.D

Acq: 17 Apr 2021 3:12

Tgt Ion: 82 Resp: 235607

Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.8	8.6#
138	0.0	11.8	17.8#

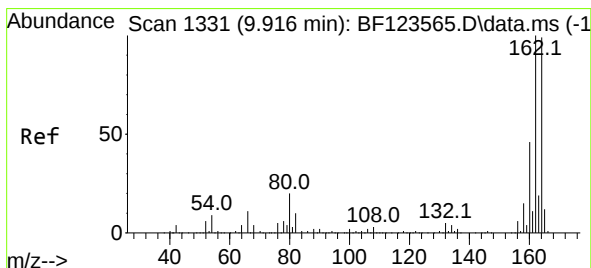
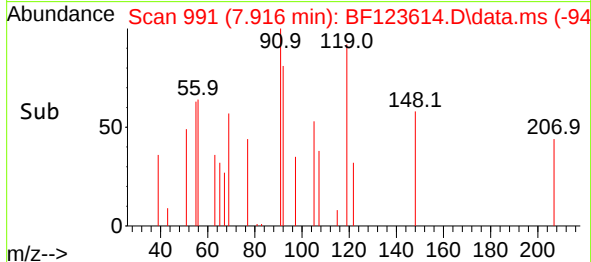
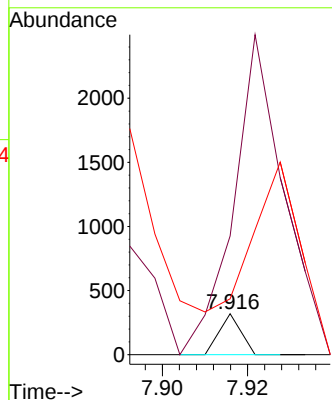
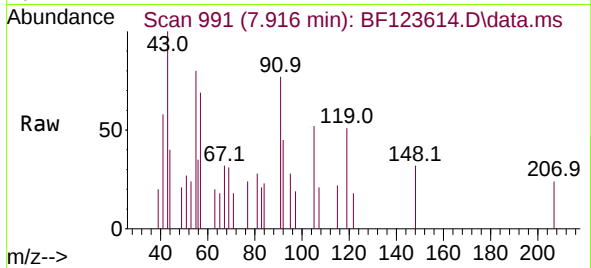




#32
Benzoic acid
Concen: 4.56 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

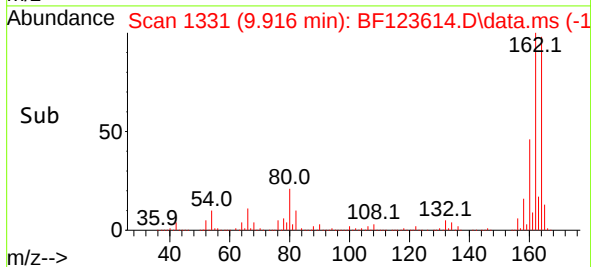
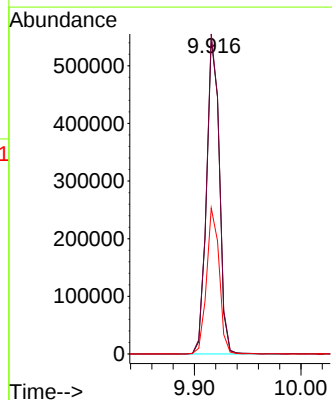
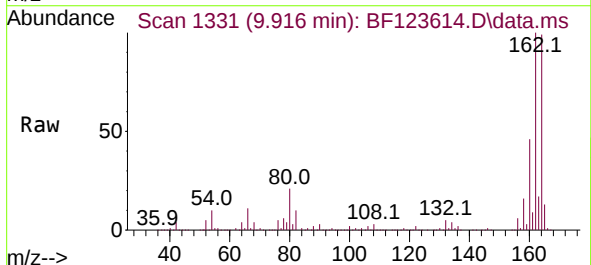
Instrument :
BNA_F
ClientSampleId :
WC-4

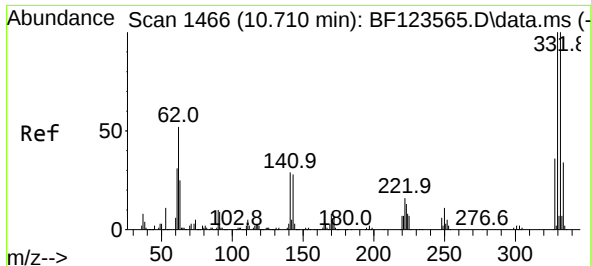
Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 289.4 107.8 147.8#
77 135.9 81.6 121.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:164 Resp: 458974
Ion Ratio Lower Upper
164 100
162 101.5 80.7 121.1
160 46.3 37.3 55.9

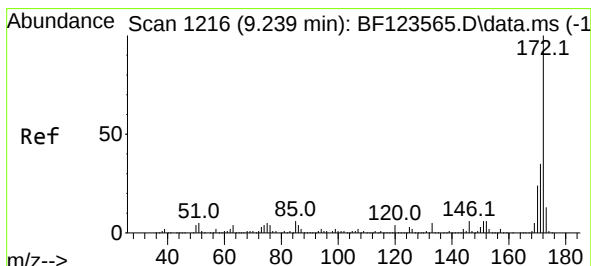
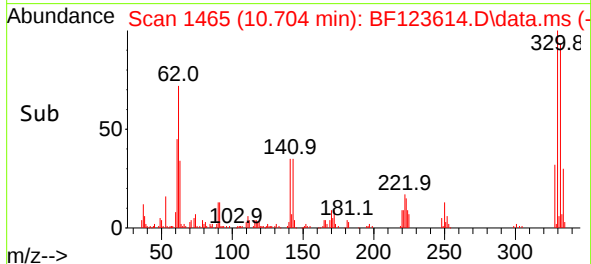
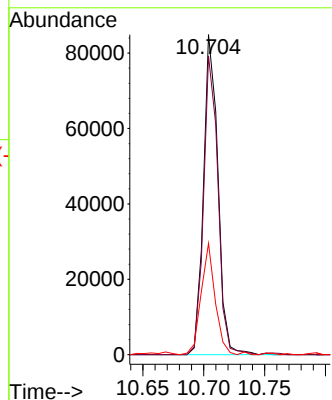
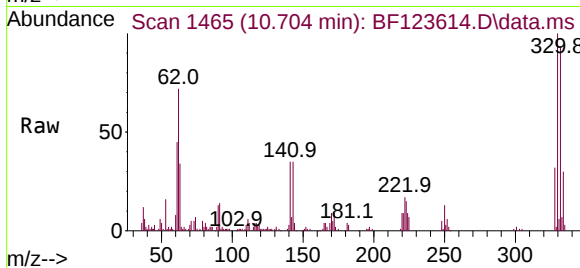




#42
2,4,6-Tribromophenol
Concen: 13.42 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

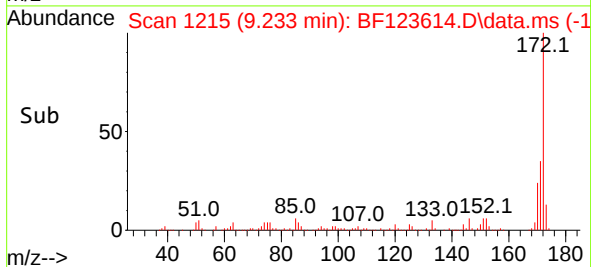
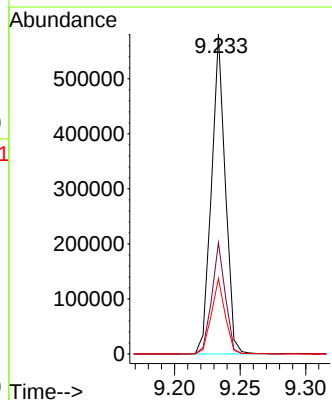
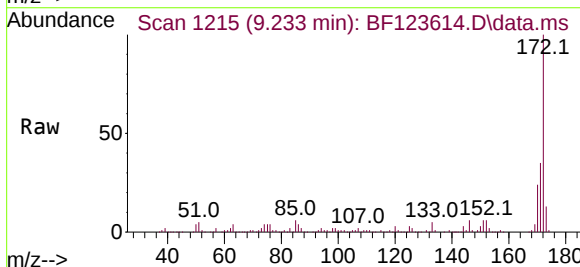
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ClientSampleId :
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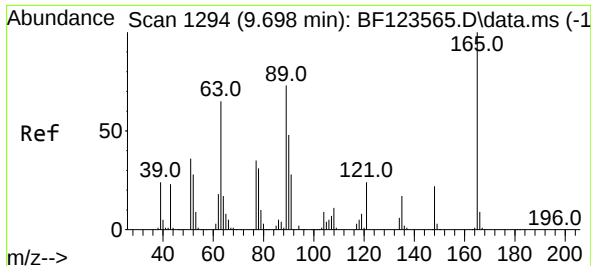
Tgt Ion:	330	Resp:	69758
Ion Ratio	Lower	Upper	
330	100		
332	92.9	77.1	115.7
141	33.8	27.9	41.9



#45
2-Fluorobiphenyl
Concen: 13.87 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:	172	Resp:	426947
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.1	42.1
170	23.6	19.2	28.8

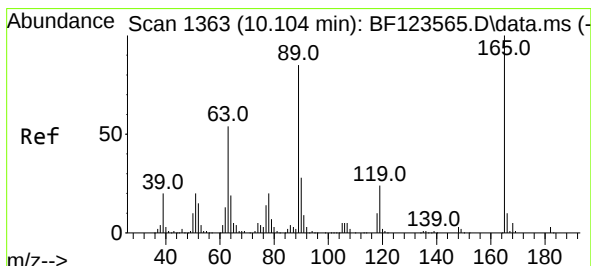
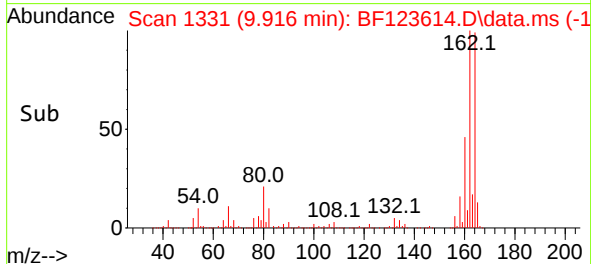
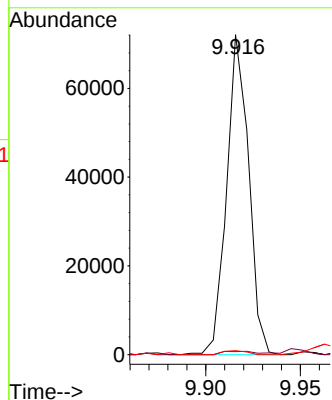
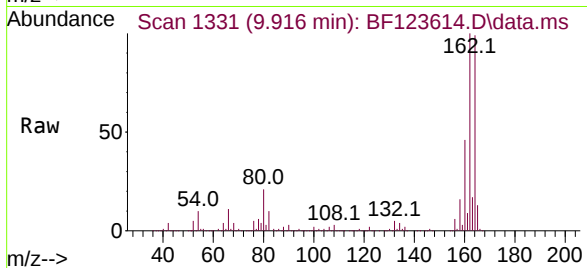




#51
2,6-Dinitrotoluene
Concen: 8.38 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

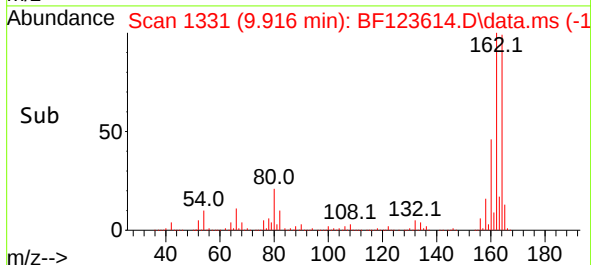
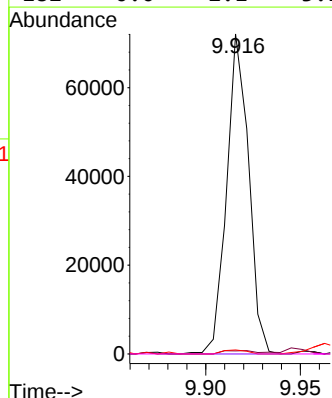
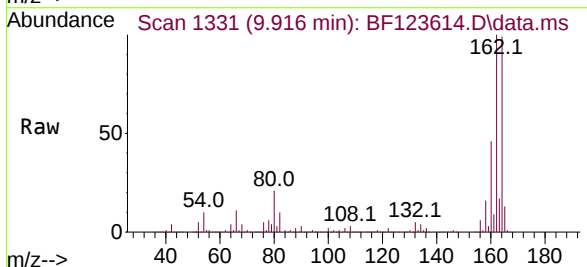
Instrument :
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ClientSampleId :
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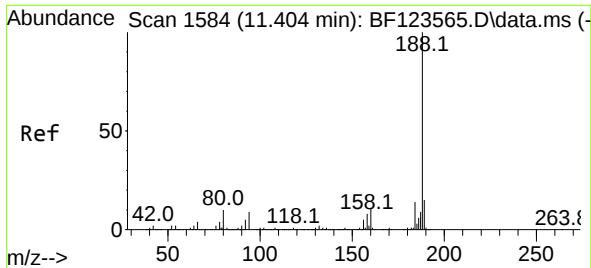
Tgt Ion:165 Resp: 58365
Ion Ratio Lower Upper
165 100
63 0.9 67.7 101.5#
89 1.2 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.28 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:165 Resp: 58365
Ion Ratio Lower Upper
165 100
63 0.9 43.5 65.3#
89 1.2 67.7 101.5#
182 0.0 2.1 3.1#

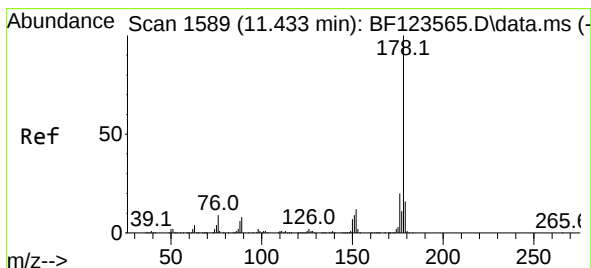
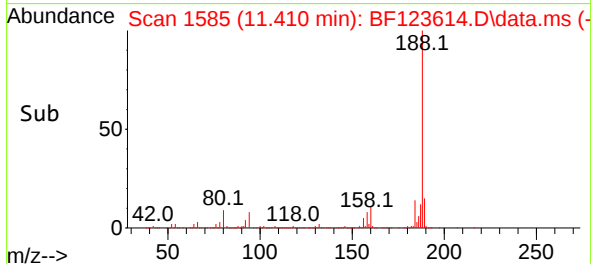
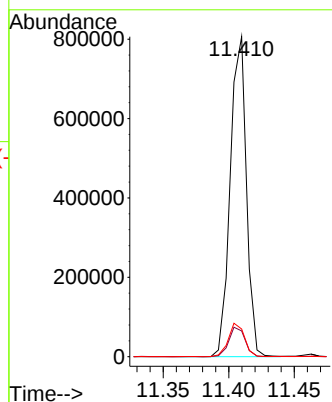
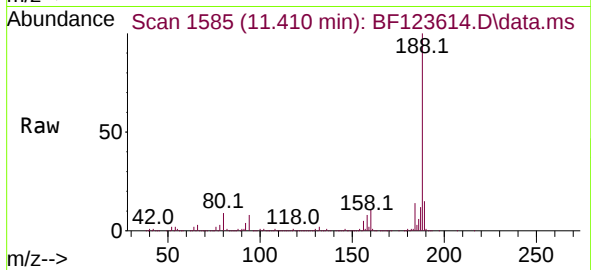




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

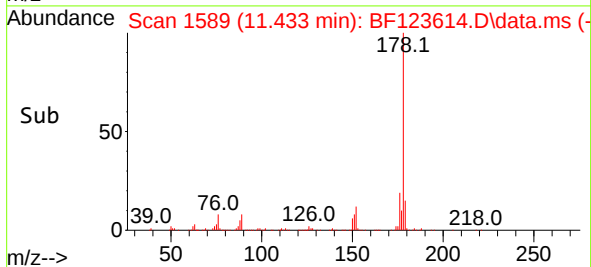
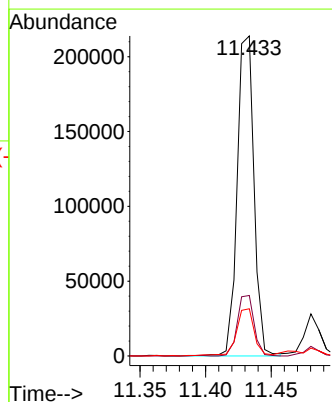
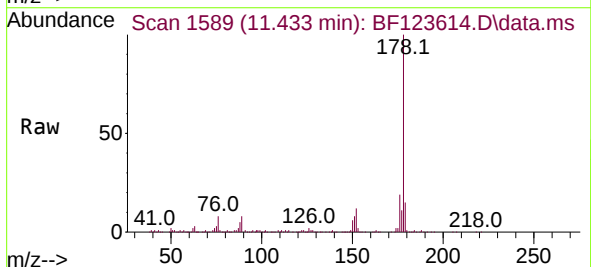
Instrument :
BNA_F
ClientSampleId :
WC-4

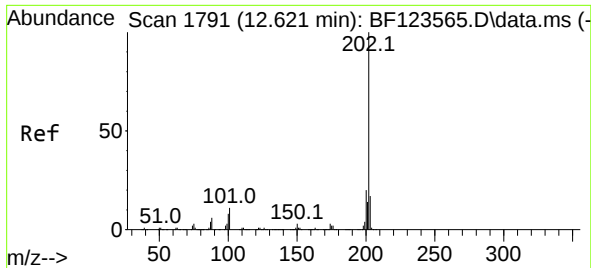
Tgt Ion:188 Resp: 690418
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 8.7 8.2 12.2



#71
Phenanthrene
Concen: 5.32 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:178 Resp: 191732
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 14.8 12.5 18.7

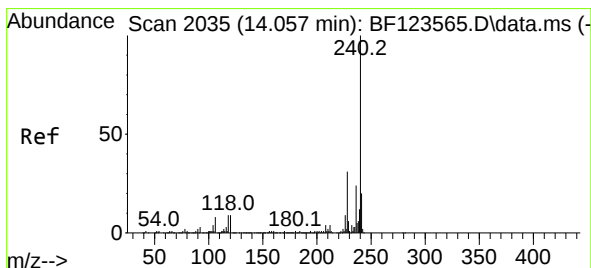
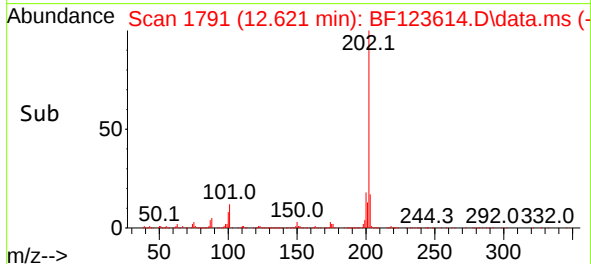
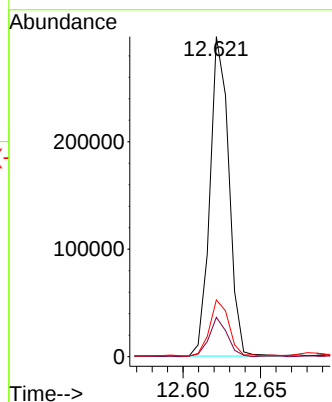
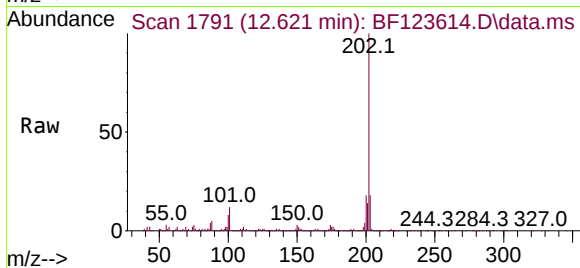




#75
Fluoranthene
Concen: 6.35 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

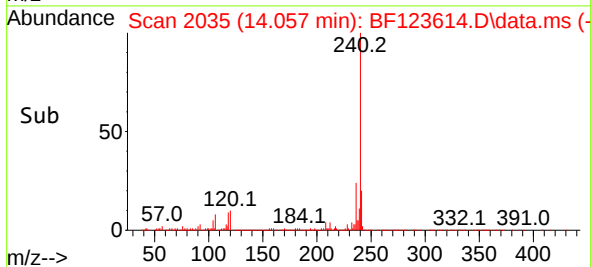
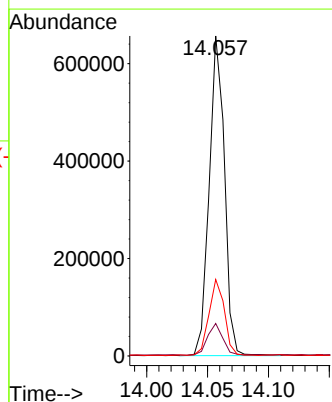
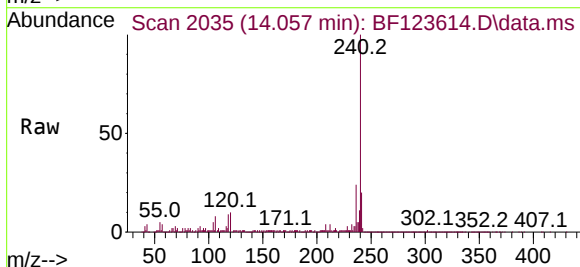
Instrument :
BNA_F
ClientSampleId :
WC-4

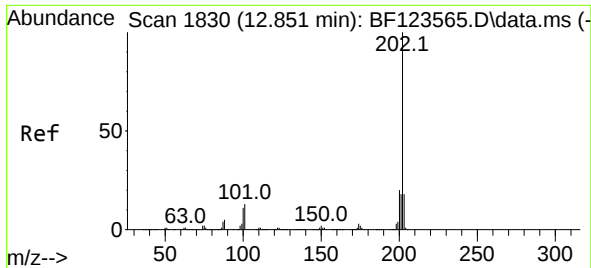
Tgt Ion:	202	Resp:	251567
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	30.9
203	17.7	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:	240	Resp:	572935
Ion Ratio	Lower	Upper	
240	100		
120	10.1	7.2	10.8
236	23.9	19.0	28.4

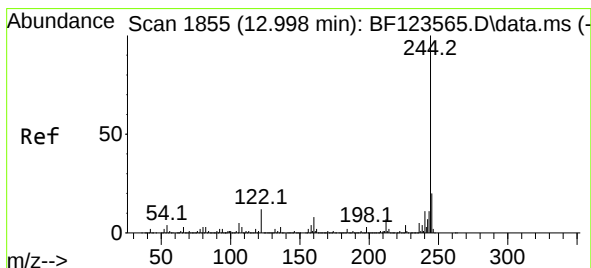
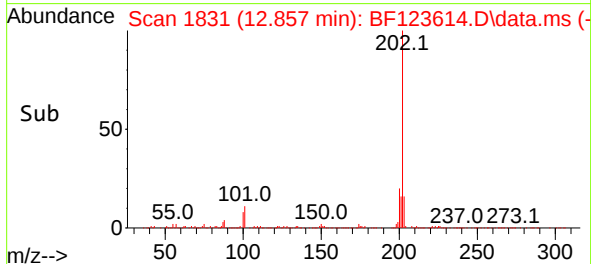
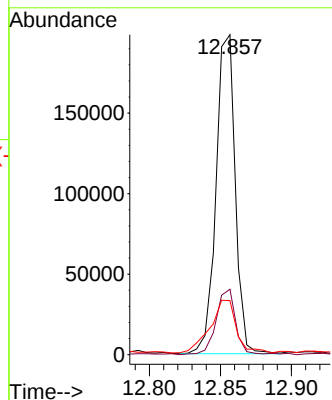
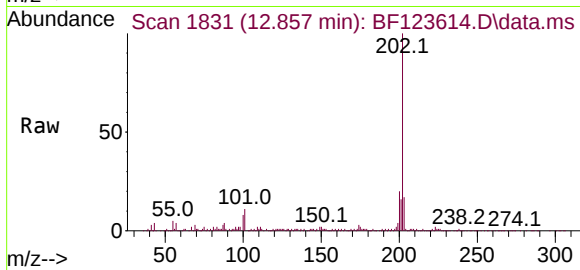




#78
Pyrene
Concen: 4.46 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

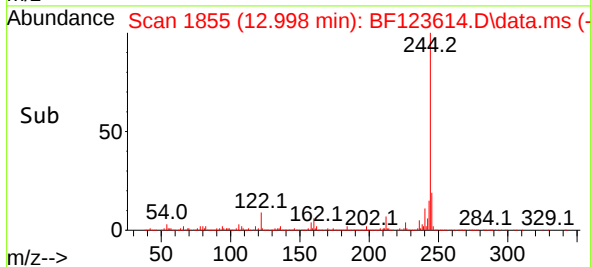
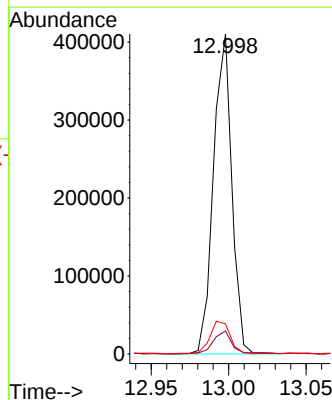
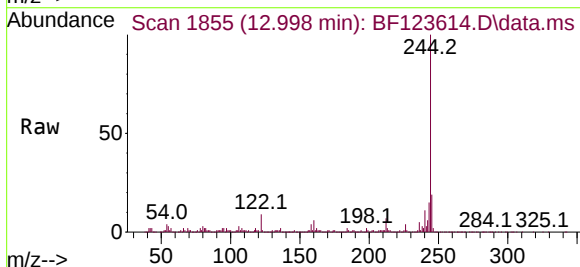
Instrument :
BNA_F
ClientSampleId :
WC-4

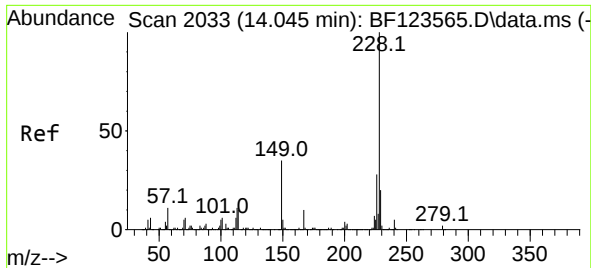
Tgt Ion:202 Resp: 186499
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 16.9 14.8 22.2



#79
Terphenyl-d14
Concen: 11.46 ng
RT: 12.998 min Scan# 1855
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:244 Resp: 337752
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 9.4 9.7 14.5#

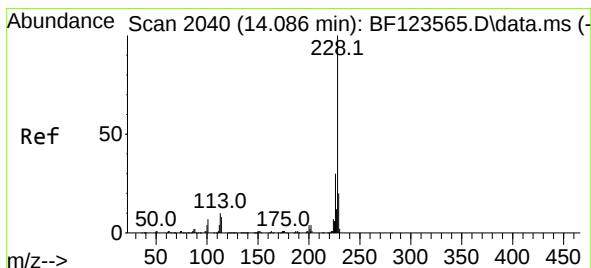
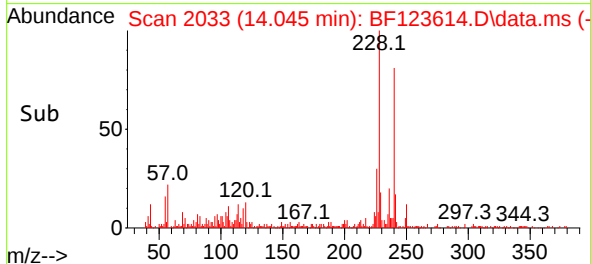
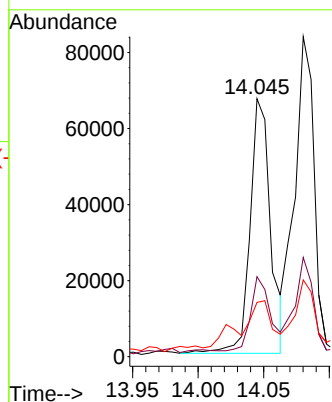
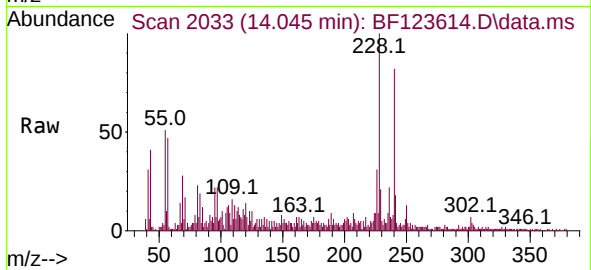




#81
Benzo(a)anthracene
Concen: 2.07 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

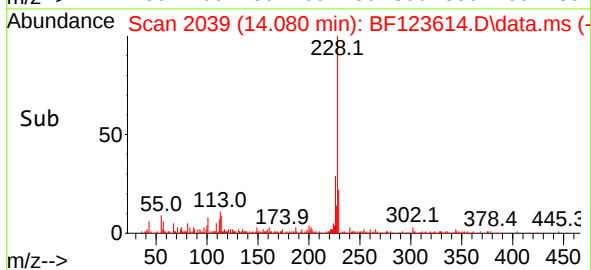
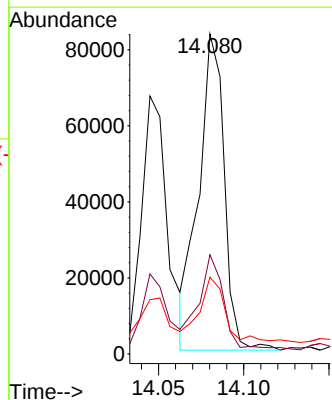
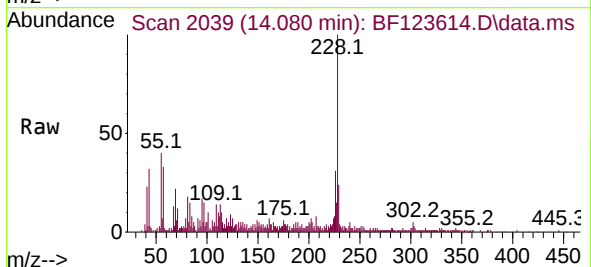
Instrument :
BNA_F
ClientSampled :
WC-4

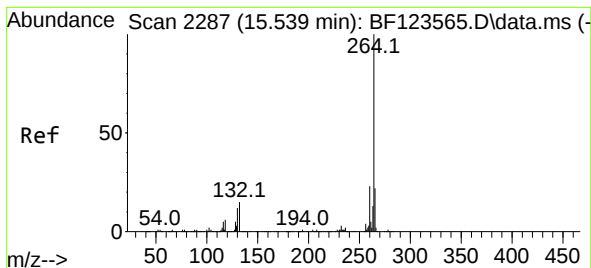
Tgt Ion:228 Resp: 72684
Ion Ratio Lower Upper
228 100
226 31.0 22.4 33.6
229 21.1 16.0 24.0



#83
Chrysene
Concen: 2.46 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123614.D
Acq: 17 Apr 2021 3:12

Tgt Ion:228 Resp: 86841
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 24.0 16.2 24.2





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.557 min Scan# 2290

Delta R.T. 0.018 min

Lab File: BF123614.D

Acq: 17 Apr 2021 3:12

Tgt Ion:264 Resp: 469698

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

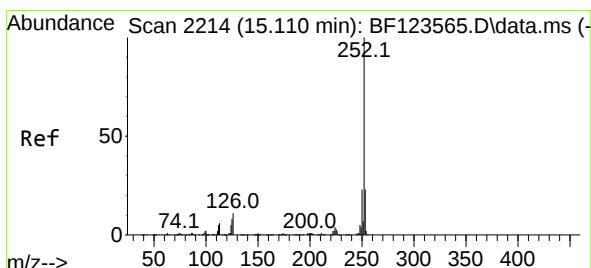
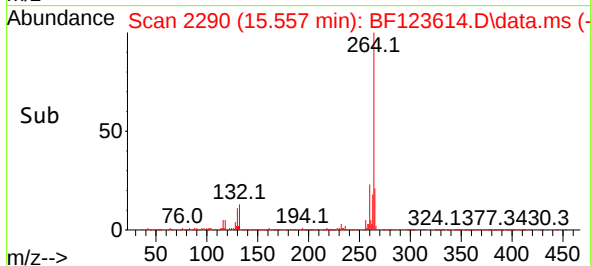
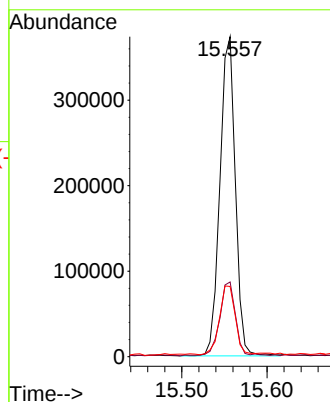
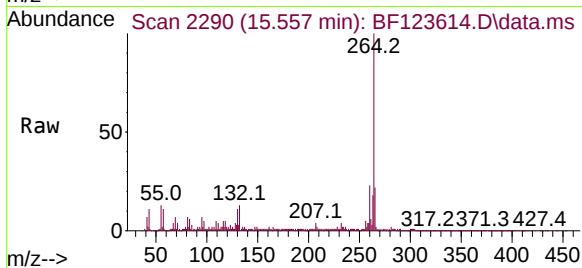
265 22.0 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

WC-4



#88

Benzo(b)fluoranthene

Concen: 3.34 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.006 min

Lab File: BF123614.D

Acq: 17 Apr 2021 3:12

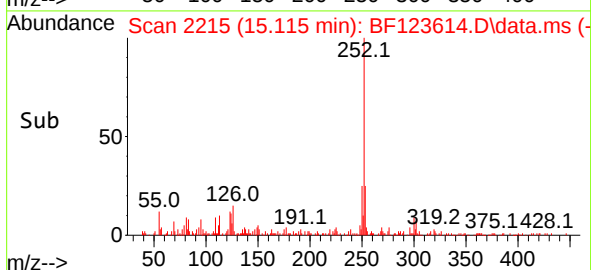
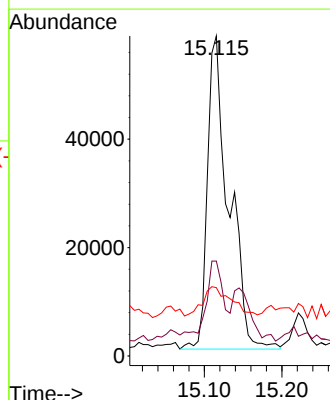
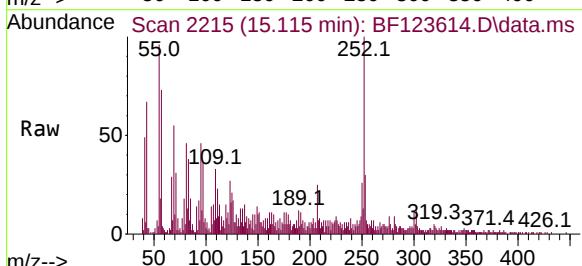
Tgt Ion:252 Resp: 110656

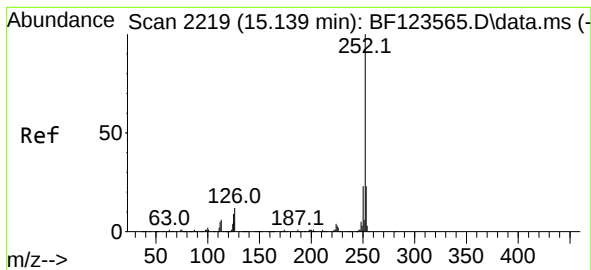
Ion Ratio Lower Upper

252 100

253 29.6 18.1 27.1#

125 21.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 2.21 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.024 min

Lab File: BF123614.D

Acq: 17 Apr 2021 3:12

Tgt Ion:252 Resp: 110656

Ion Ratio Lower Upper

252 100

253 29.6 17.9 26.9#

125 21.4 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

WC-4

