

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113864.D
 Acq On : 19 Apr 2019 17:47
 Operator : JU/SJ
 Sample : K2193-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-B

Quant Time: Apr 19 23:24:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

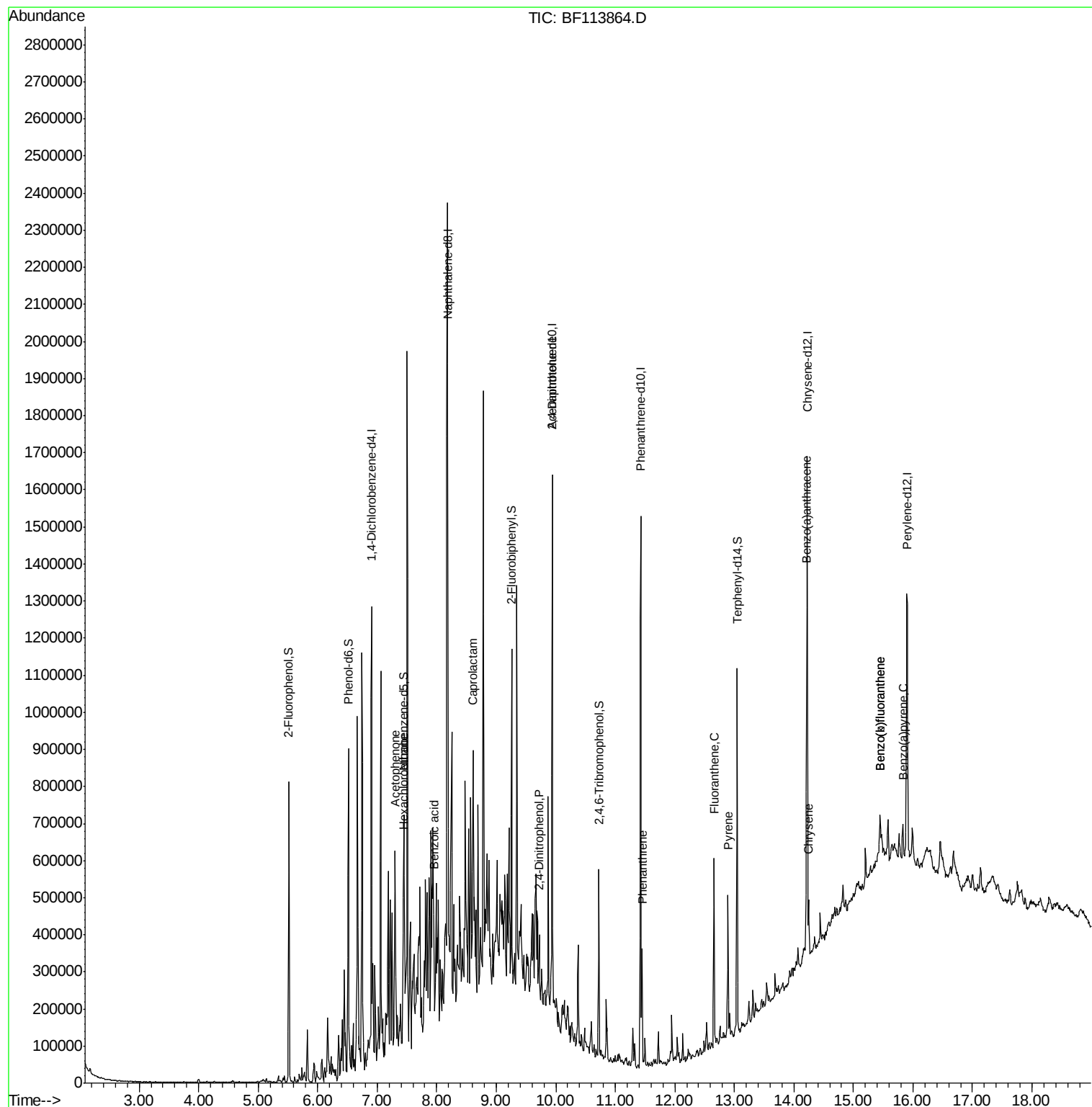
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	167151	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	561696	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	261327	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	535338	20.00	ng	0.02
76) Chrysene-d12	14.22	240	475394	20.00	ng	0.18
87) Perylene-d12	15.90	264	375804	20.00	ng	0.39
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	210350	20.93	ng	0.00
7) Phenol-d6	6.52	99	267061	21.30	ng	0.00
23) Nitrobenzene-d5	7.45	82	144334	15.65	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	60021	20.79	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	248221	14.49	ng	0.00
79) Terphenyl-d14	13.04	244	337450	14.88	ng	0.05
Target Compounds						
9) Benzaldehyde	6.43	77	2781	Below Cal		Qvalue # 1
18) Hexachloroethane	7.44	117	15426	3.430	ng	# 1
22) Acetophenone	7.30	105	42449	3.317	ng	# 30
32) Benzoic acid	7.96	122	1071	6.107	ng	# 1
35) Caprolactam	8.62	113	13885	5.134	ng	# 17
54) 2,4-Dinitrophenol	9.73	184	132	8.931	ng	# 60
57) 2,4-Dinitrotoluene	9.94	165	36402	7.270	ng	# 30
71) Phenanthrene	11.45	178	121719	4.464	ng	97
75) Fluoranthene	12.66	202	196773	6.810	ng	96
78) Pyrene	12.89	202	167567	5.001	ng	98
81) Benzo(a)anthracene	14.21	228	78240	2.815	ng	93
83) Chrysene	14.25	228	69070	2.504	ng	96
88) Benzo(b)fluoranthene	15.44	252	90876	3.879	ng	# 89
89) Benzo(k)fluoranthene	15.44	252	90876	4.259	ng	# 91
90) Benzo(a)pyrene	15.83	252	46890	2.264	ng	# 82

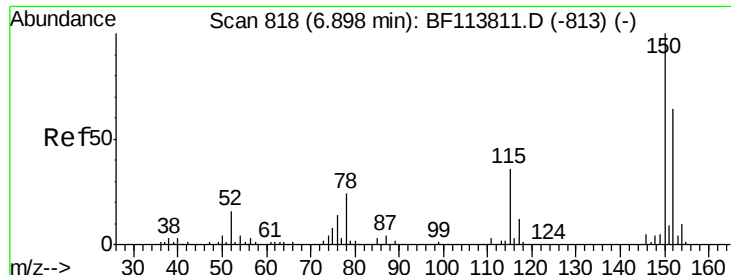
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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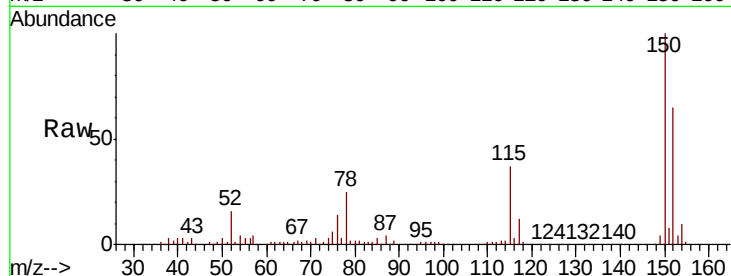


#1

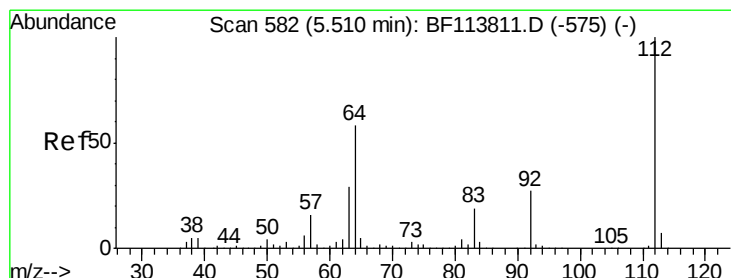
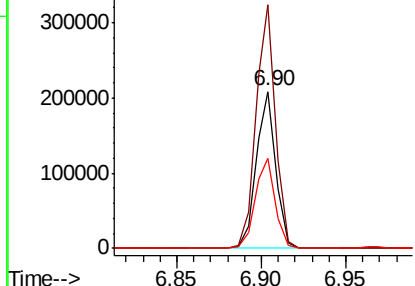
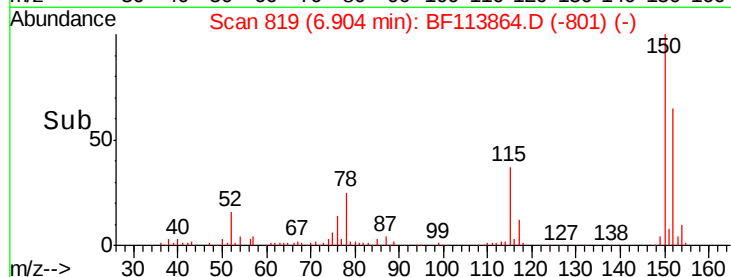
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

Tgt Ion:152 Resp: 167151
Ion Ratio Lower Upper
152 100
150 155.0 125.9 188.9
115 57.5 45.9 68.9



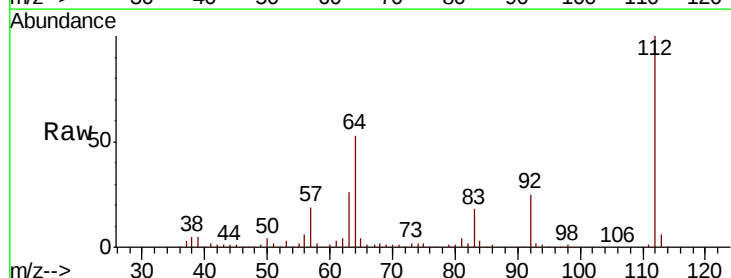
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



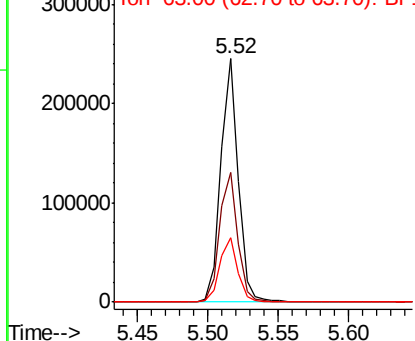
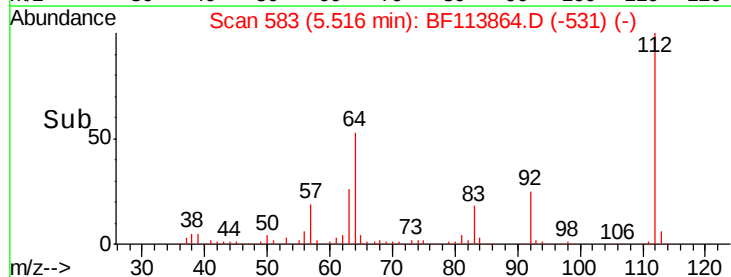
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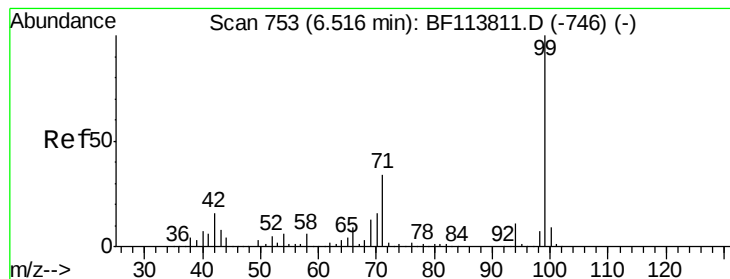
2-Fluorophenol
Concen: 20.925 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Tgt Ion:112 Resp: 210350
Ion Ratio Lower Upper
112 100
64 53.4 46.6 69.8
63 26.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.303 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113864.D

Acq: 19 Apr 2019 17:47

Instrument :

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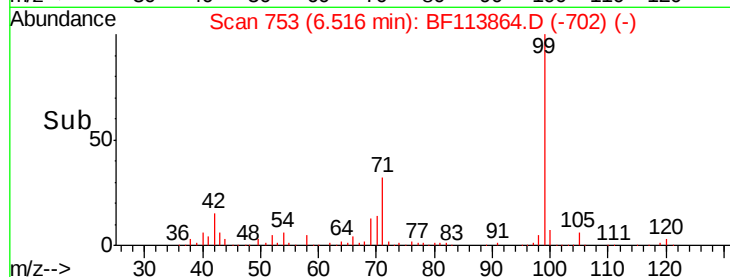
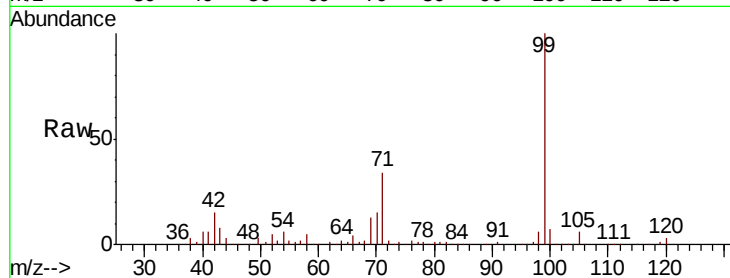
Tgt Ion: 99 Resp: 267061

Ion Ratio Lower Upper

99 100

42 15.1 12.5 18.7

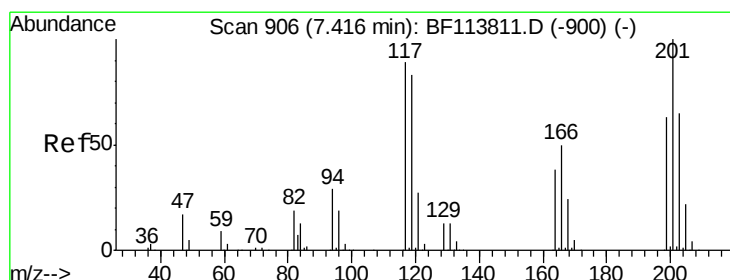
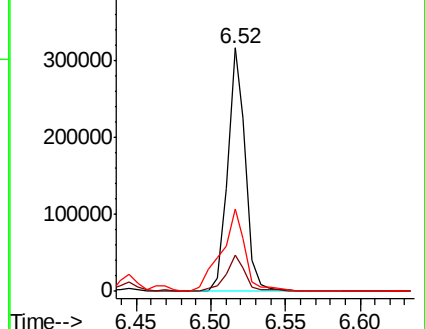
71 33.9 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#18

Hexachloroethane

Concen: 3.430 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.02 min

Lab File: BF113864.D

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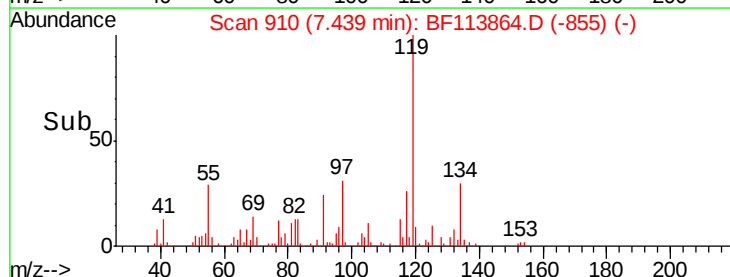
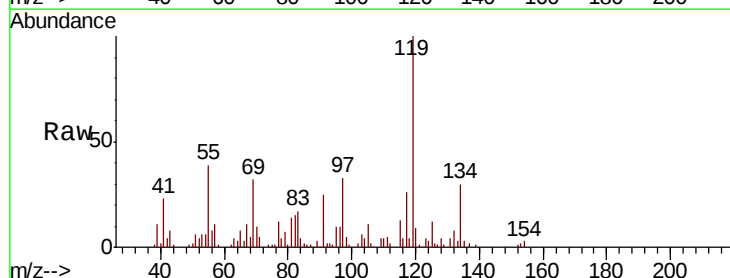
Tgt Ion: 117 Resp: 15426

Ion Ratio Lower Upper

117 100

119 384.7 74.4 111.6#

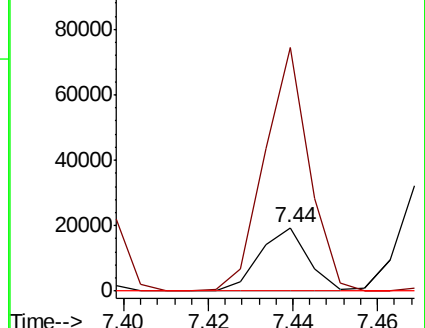
201 0.0 90.2 135.2#

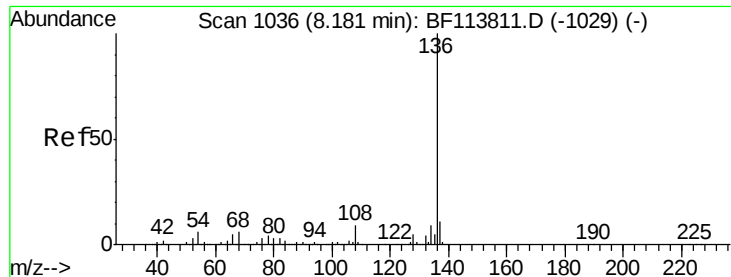


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

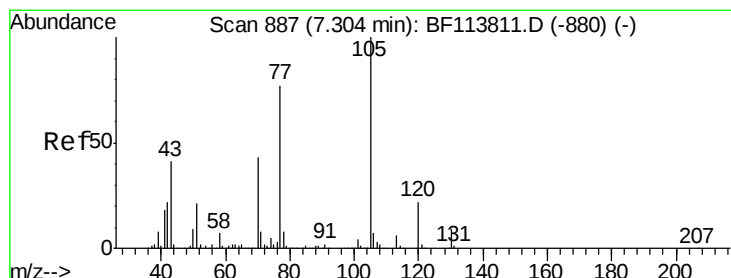
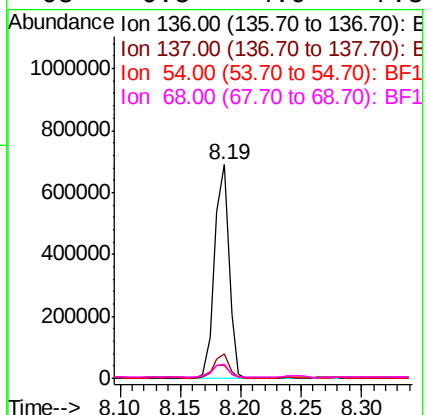
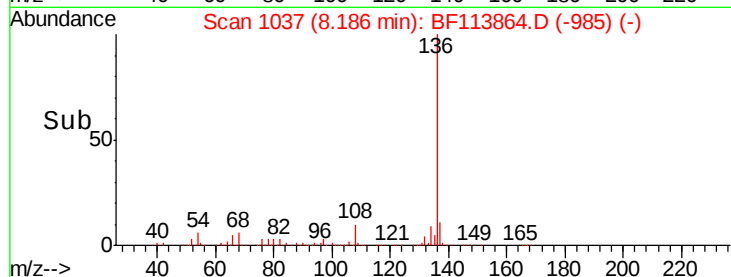
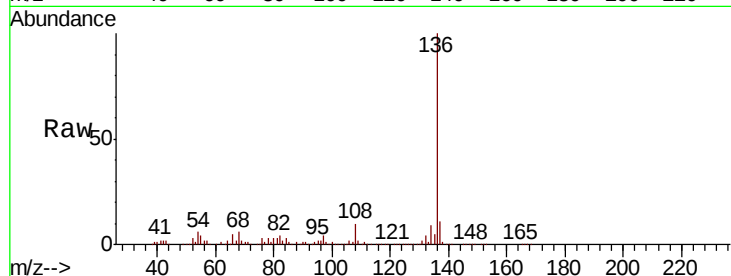




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

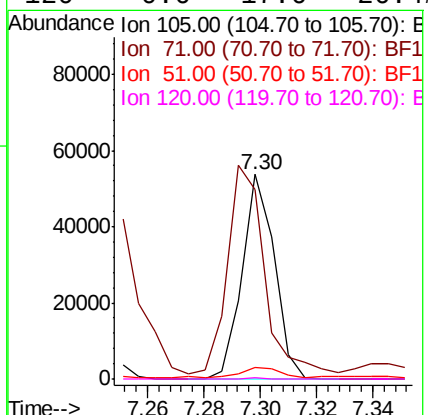
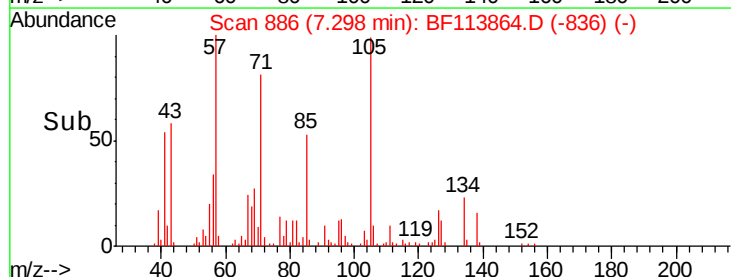
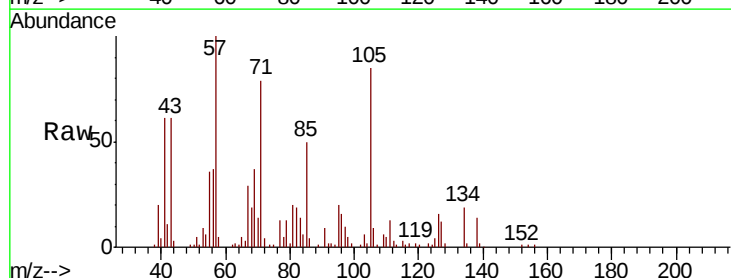
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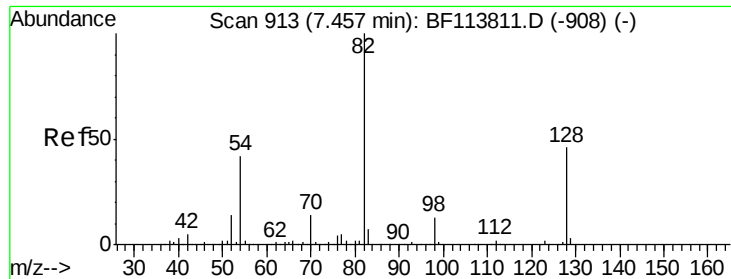
Tgt Ion:	136	Resp:	561696
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	6.3	5.0	7.6
68	6.5	4.9	7.3



#22
Acetophenone
Concen: 3.317 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Tgt Ion:	105	Resp:	42449
Ion	Ratio	Lower	Upper
105	100		
71	92.7	6.1	9.1#
51	5.4	16.8	25.2#
120	0.6	17.6	26.4#

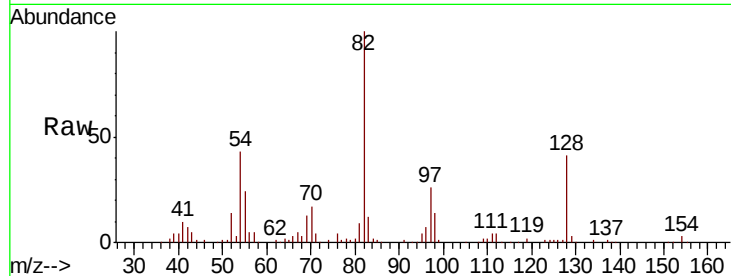




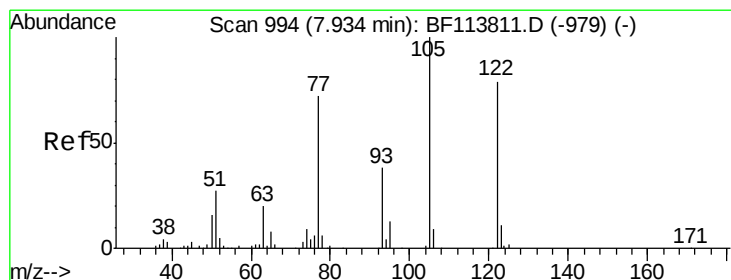
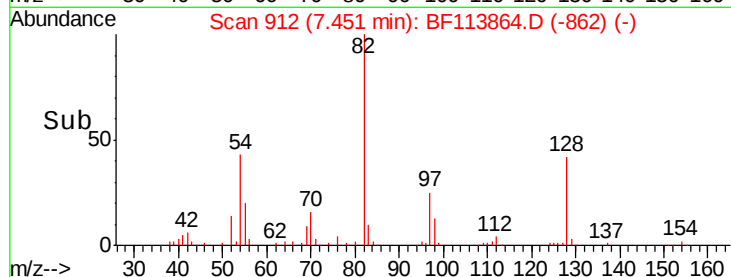
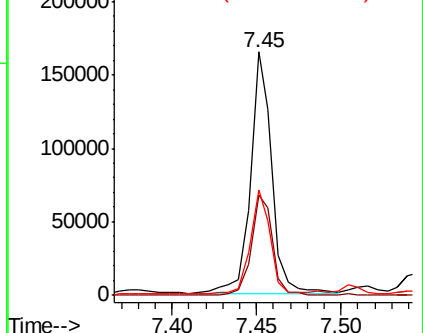
#23
 Nitrobenzene-d5
 Concen: 15.648 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

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 BNA_F
 ClientSampleId :
 HR-05-041719-B

Tgt Ion: 82 Resp: 144334
 Ion Ratio Lower Upper
 82 100
 128 41.2 36.8 55.2
 54 43.4 33.8 50.6

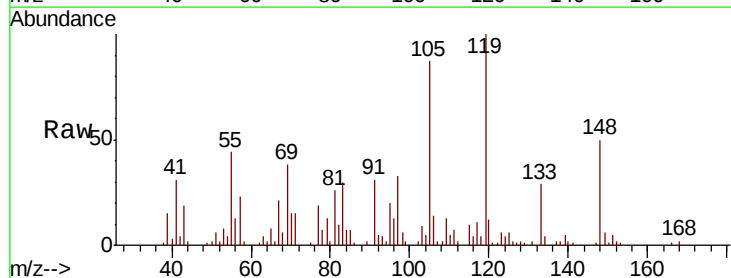


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

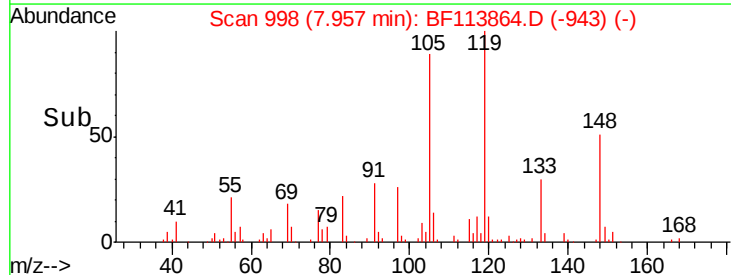
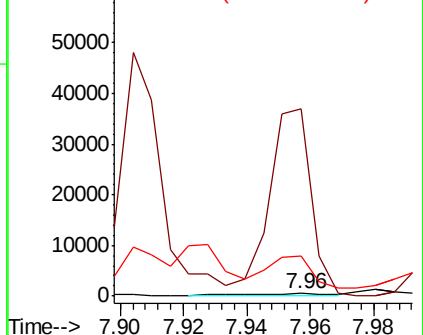


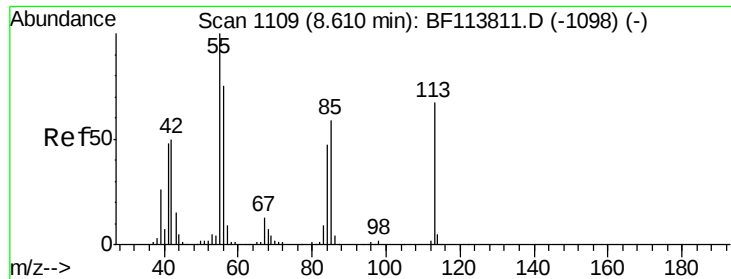
#32
 Benzoic acid
 Concen: 6.107 ng
 RT: 7.96 min Scan# 998
 Delta R.T. 0.02 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

Tgt Ion: 122 Resp: 1071
 Ion Ratio Lower Upper
 122 100
 105 6509.7 104.3 144.3#
 77 1397.9 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): BF1
 Ion 105.00 (104.70 to 105.70): BF1
 Ion 77.00 (76.70 to 77.70): BF1

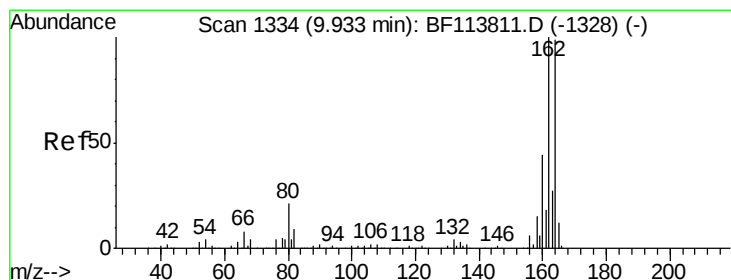
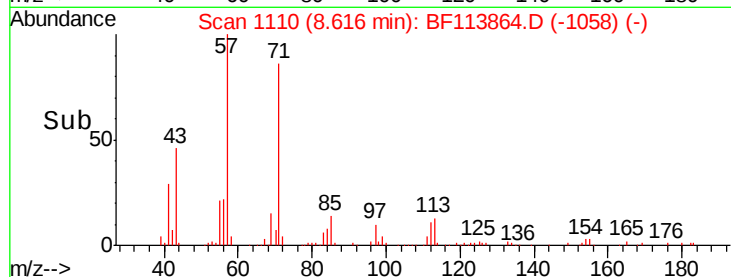
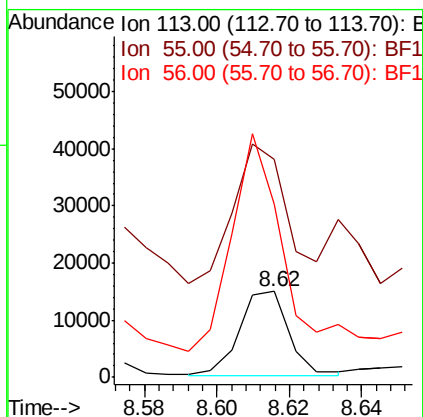
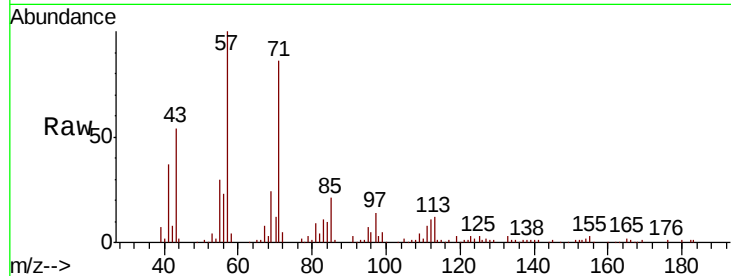




#35
 Caprolactam
 Concen: 5.134 ng
 RT: 8.62 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

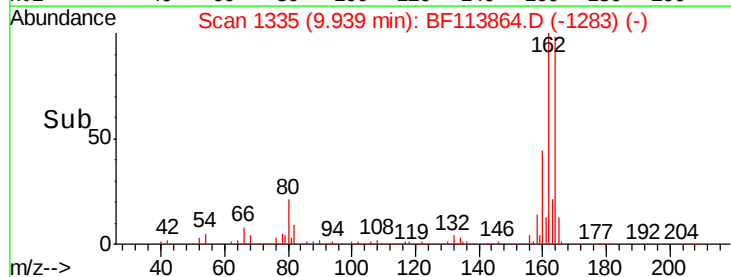
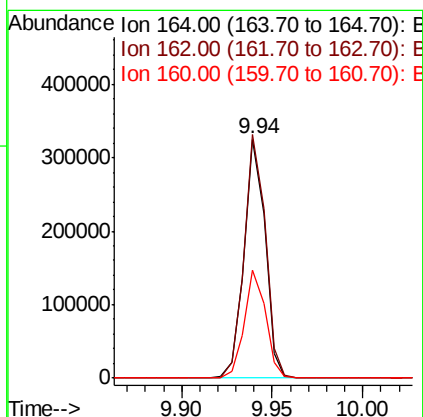
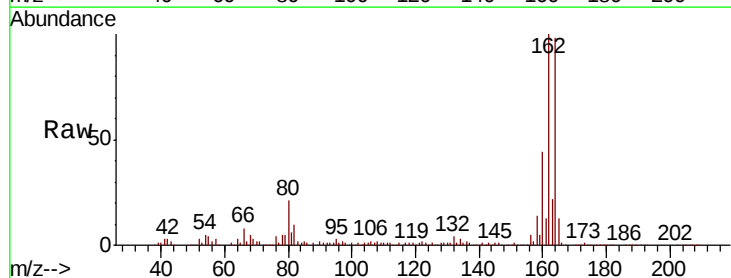
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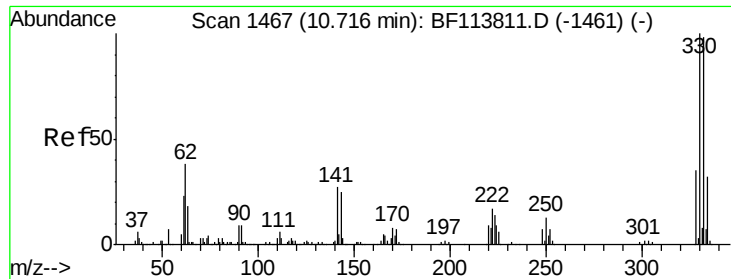
Tgt Ion:113 Resp: 13885
 Ion Ratio Lower Upper
 113 100
 55 254.1 128.6 168.6#
 56 200.8 91.9 131.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

Tgt Ion:164 Resp: 261327
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.1 121.7
 160 45.2 35.8 53.6

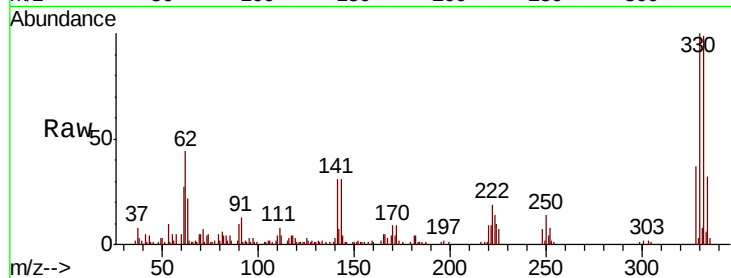




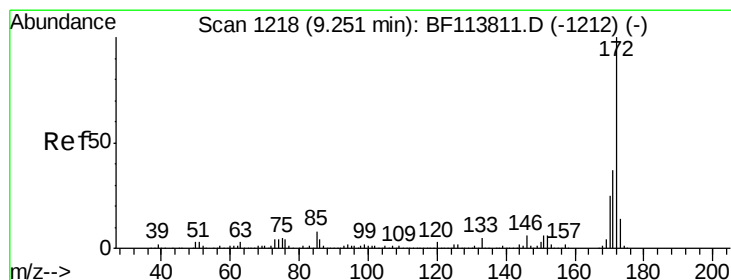
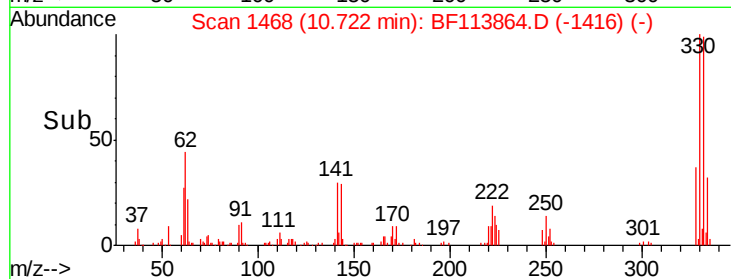
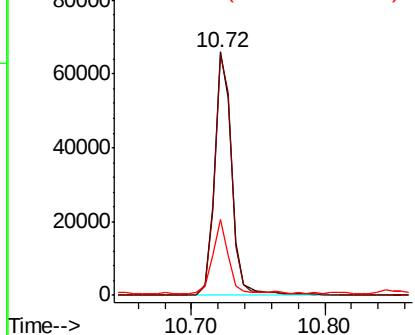
#42
 2,4,6-Tribromophenol
 Concen: 20.789 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-B

Tgt Ion:330 Resp: 60021
 Ion Ratio Lower Upper
 330 100
 332 98.6 77.5 116.3
 141 27.6 22.2 33.2

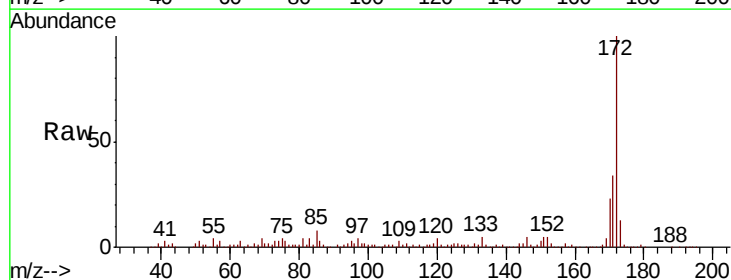


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

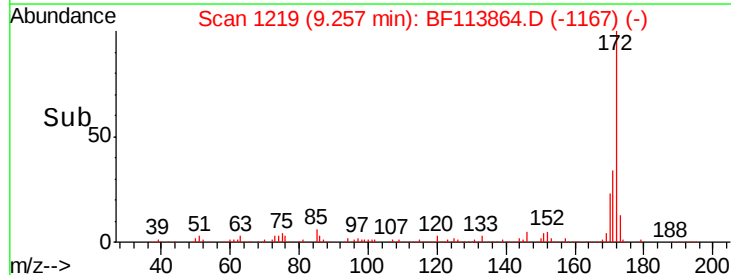
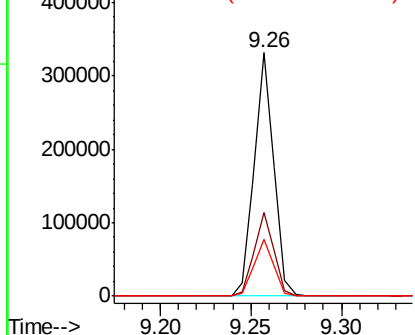


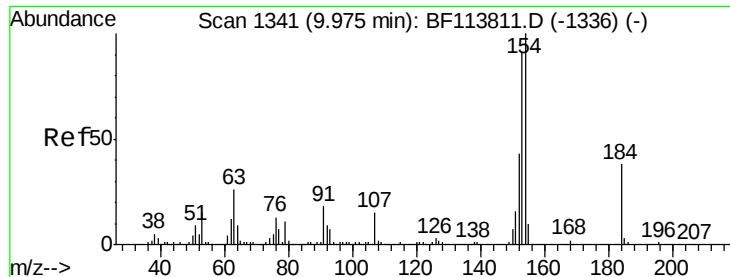
#45
 2-Fluorobiphenyl
 Concen: 14.486 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

Tgt Ion:172 Resp: 248221
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.4 44.0
 170 23.1 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

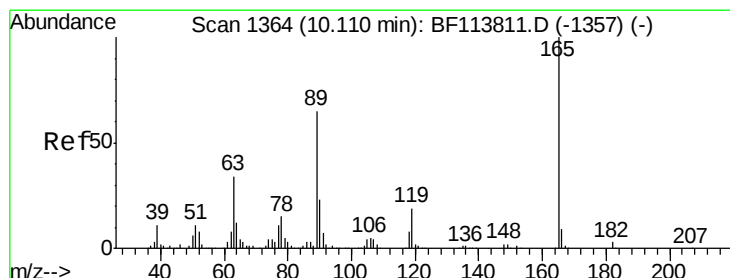
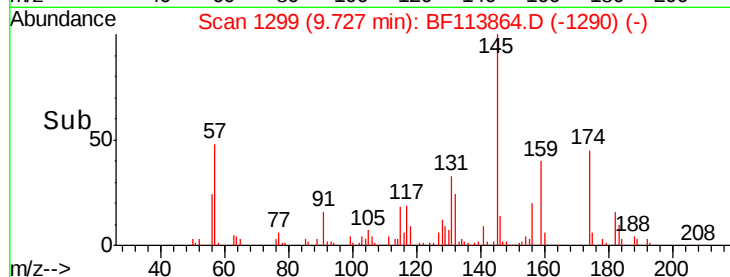
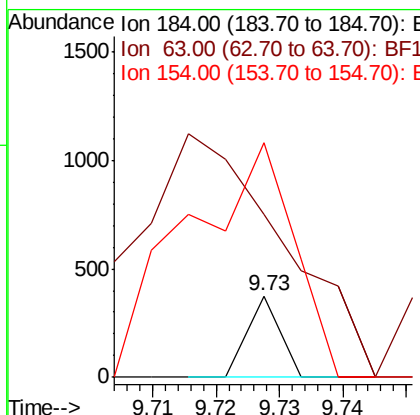
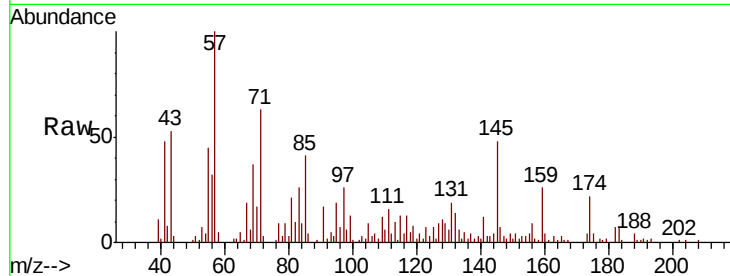




#54
 2,4-Dinitrophenol
 Concen: 8.931 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.25 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

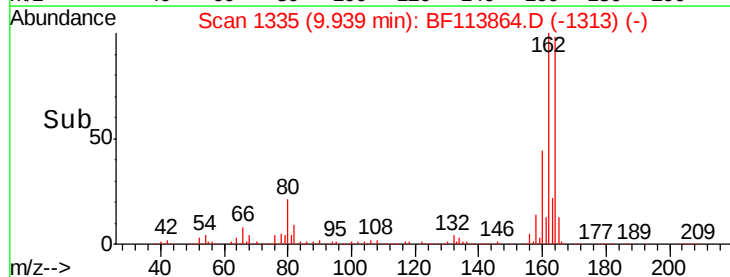
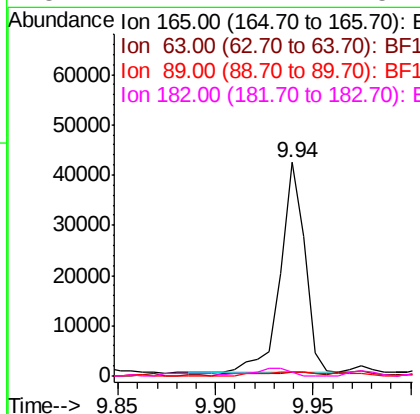
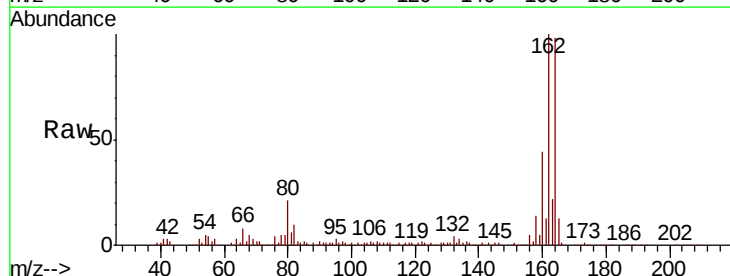
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-B

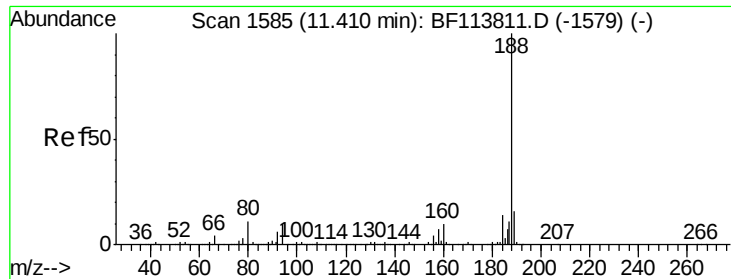
Tgt Ion:184 Resp: 132
 Ion Ratio Lower Upper
 184 100
 63 200.5 54.6 81.8#
 154 290.1 218.6 328.0



#57
 2,4-Dinitrotoluene
 Concen: 7.270 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF113864.D
 Acq: 19 Apr 2019 17:47

Tgt Ion:165 Resp: 36402
 Ion Ratio Lower Upper
 165 100
 63 1.6 27.4 41.0#
 89 1.9 51.8 77.6#
 182 2.1 2.2 3.2#

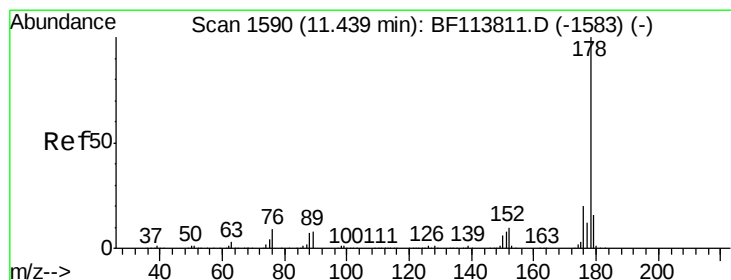
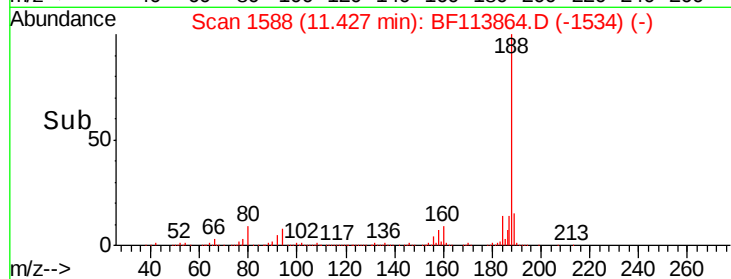
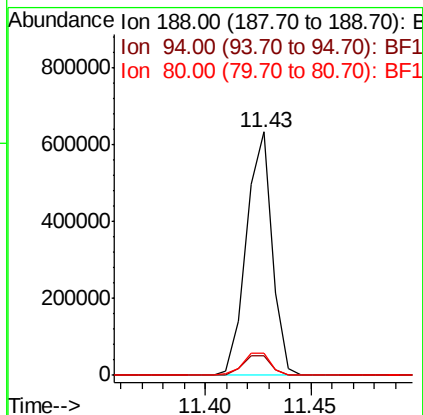
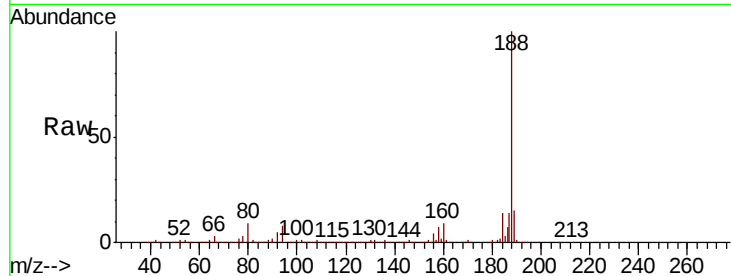




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.02 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

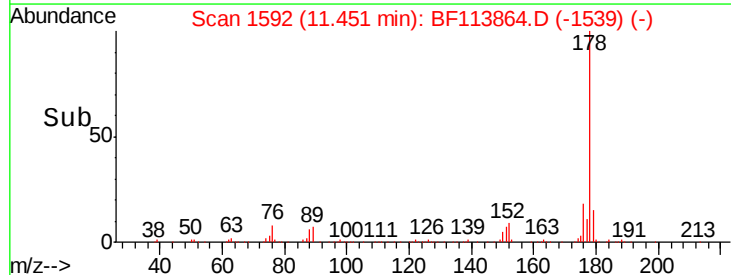
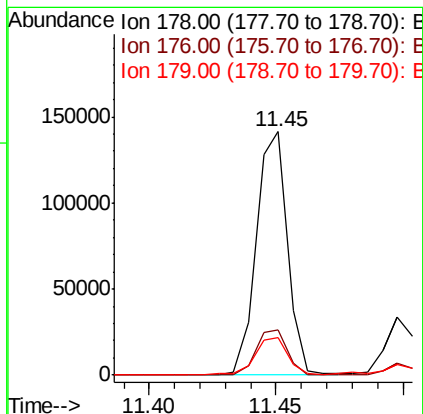
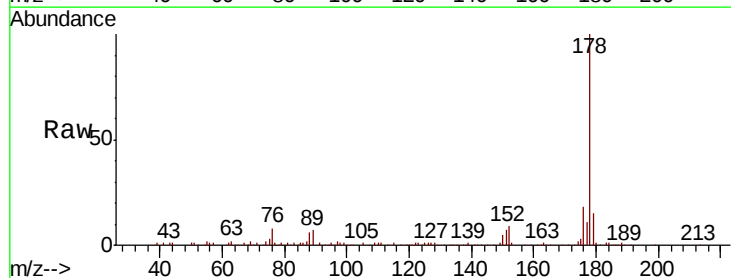
Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

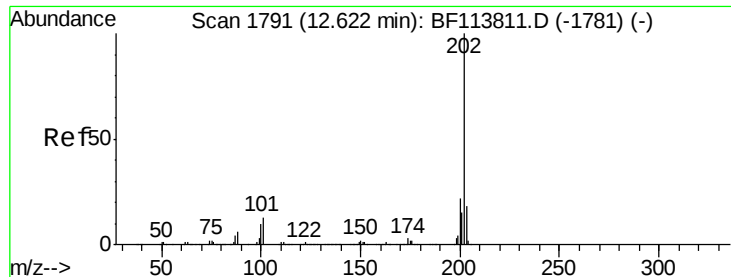
Tgt Ion:188 Resp: 535338
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.4
80 9.2 9.0 13.6



#71
Phenanthrene
Concen: 4.464 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Tgt Ion:178 Resp: 121719
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 15.3 12.8 19.2





#75

Fluoranthene

Concen: 6.810 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.04 min

Lab File: BF113864.D

Acq: 19 Apr 2019 17:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-B

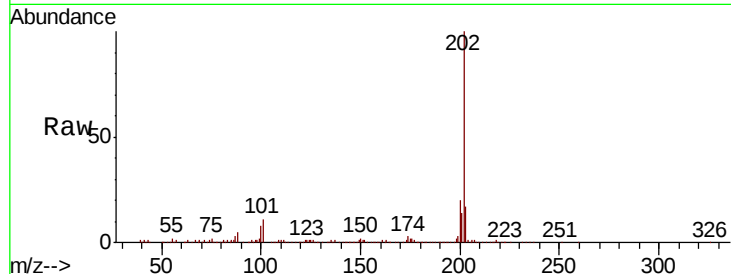
Tgt Ion:202 Resp: 196773

Ion Ratio Lower Upper

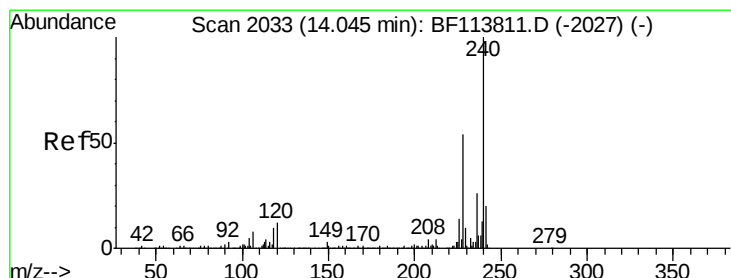
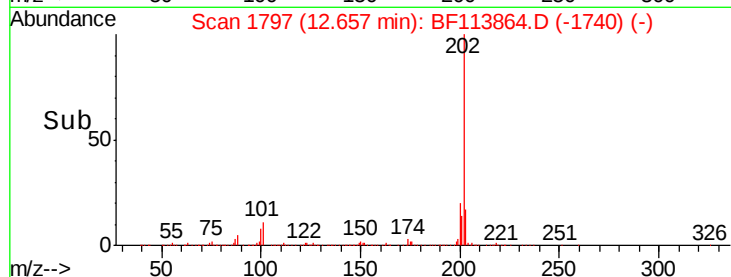
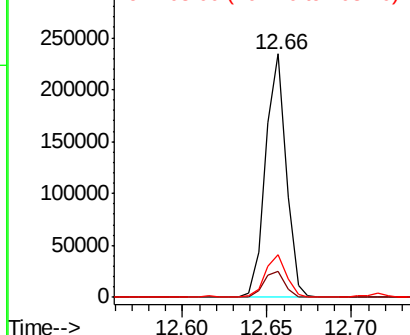
202 100

101 10.7 0.0 32.9

203 17.3 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2063

Delta R.T. 0.18 min

Lab File: BF113864.D

Acq: 19 Apr 2019 17:47

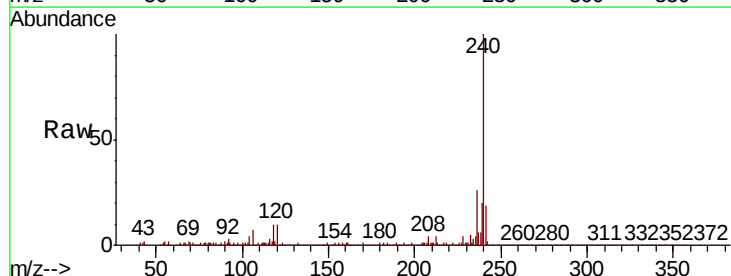
Tgt Ion:240 Resp: 475394

Ion Ratio Lower Upper

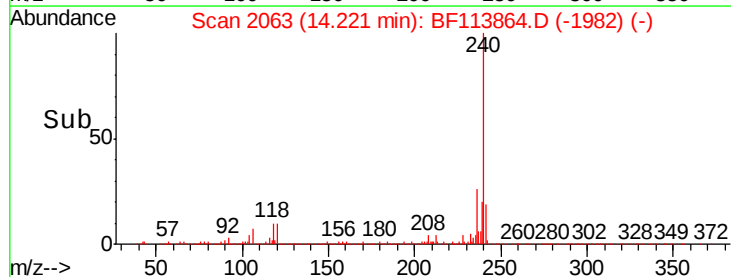
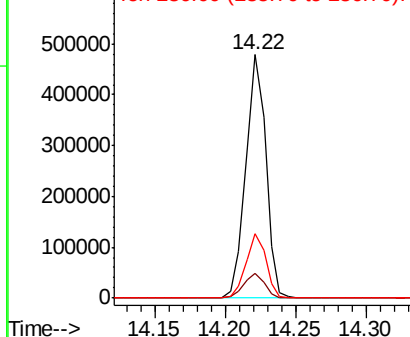
240 100

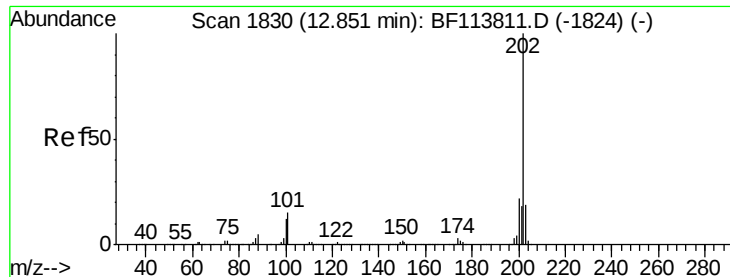
120 10.0 9.3 13.9

236 26.4 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 5.001 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.04 min

Lab File: BF113864.D

Acq: 19 Apr 2019 17:47

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-B

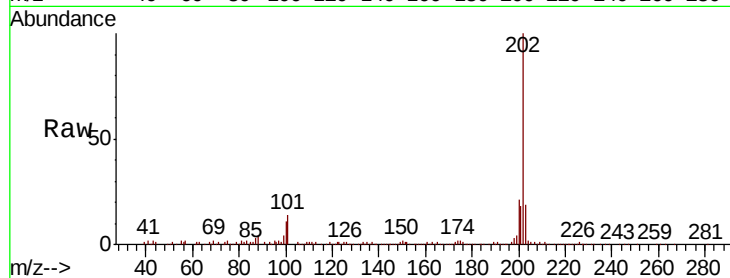
Tgt Ion:202 Resp: 167567

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

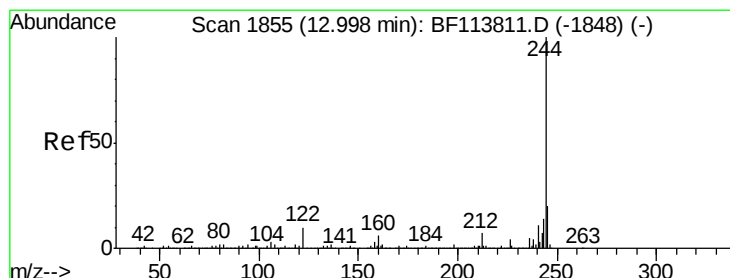
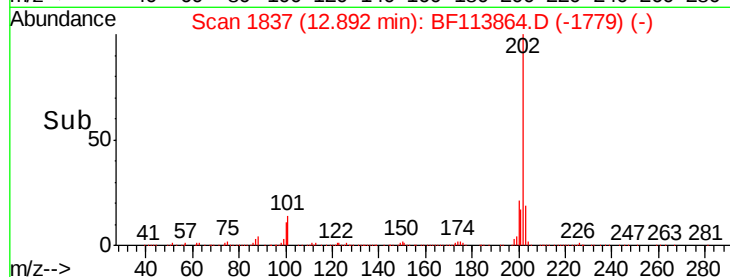
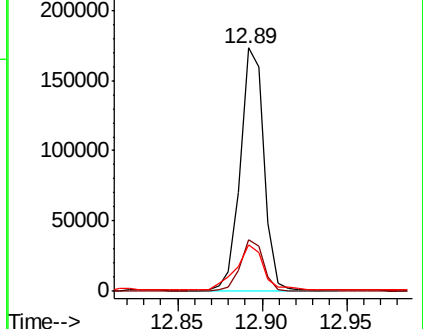
203 19.1 15.0 22.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.885 ng

RT: 13.04 min Scan# 1863

Delta R.T. 0.05 min

Lab File: BF113864.D

Acq: 19 Apr 2019 17:47

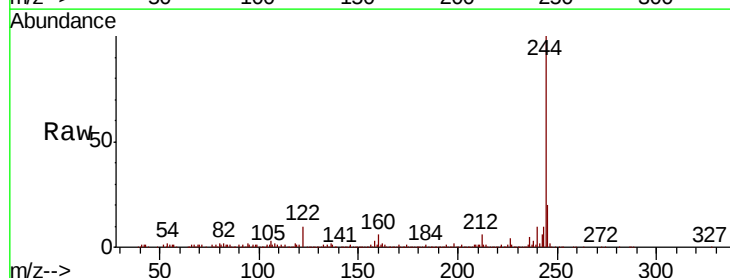
Tgt Ion:244 Resp: 337450

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.2

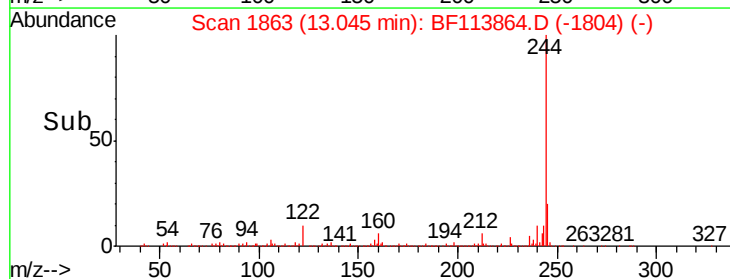
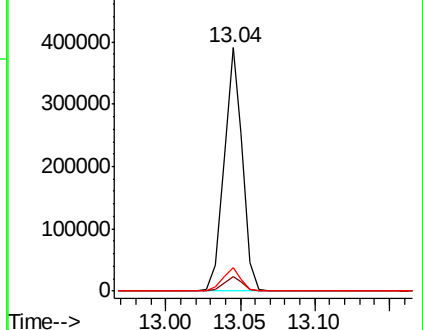
122 9.6 7.6 11.4

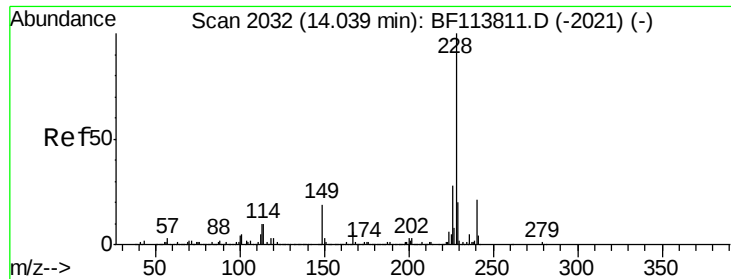


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

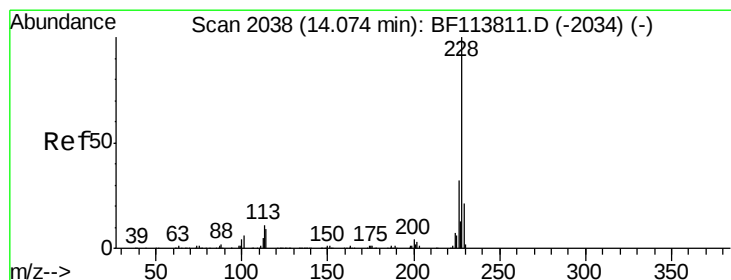
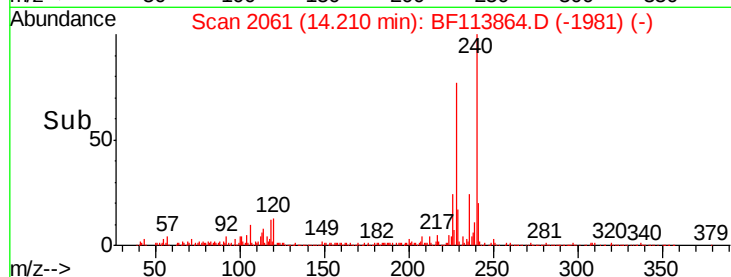
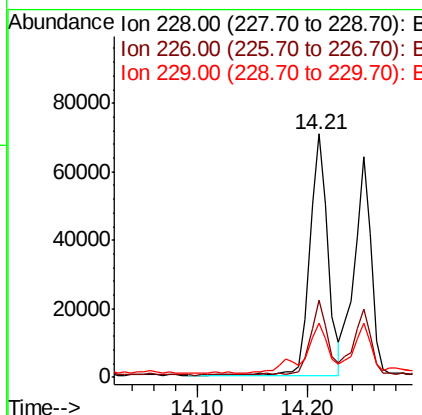
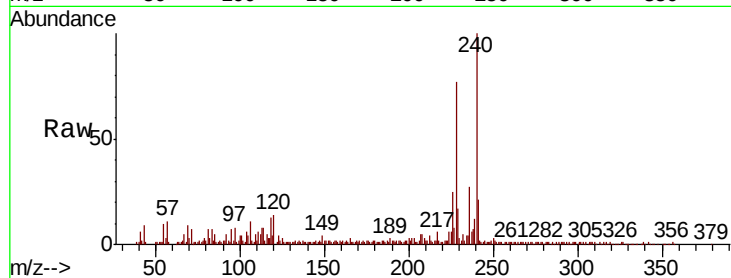




#81
Benzo(a)anthracene
Concen: 2.815 ng
RT: 14.21 min Scan# 2061
Delta R.T. 0.17 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

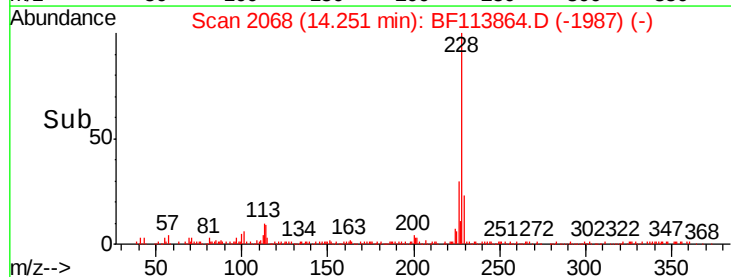
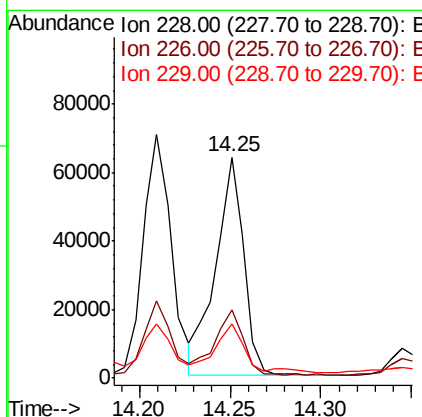
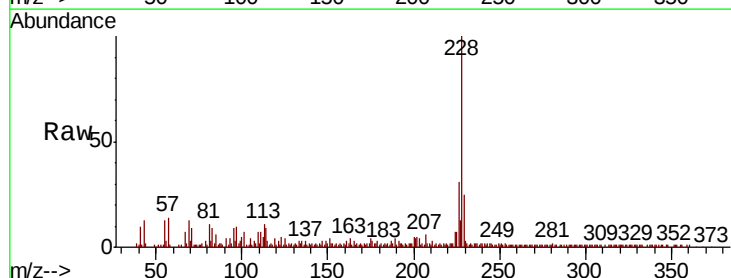
Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

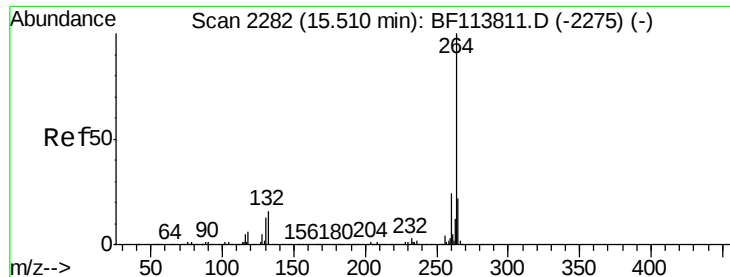
Tgt Ion: 228 Resp: 78240
Ion Ratio Lower Upper
228 100
226 31.7 22.2 33.2
229 22.4 16.0 24.0



#83
Chrysene
Concen: 2.504 ng
RT: 14.25 min Scan# 2068
Delta R.T. 0.18 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Tgt Ion: 228 Resp: 69070
Ion Ratio Lower Upper
228 100
226 30.7 25.2 37.8
229 24.6 16.7 25.1

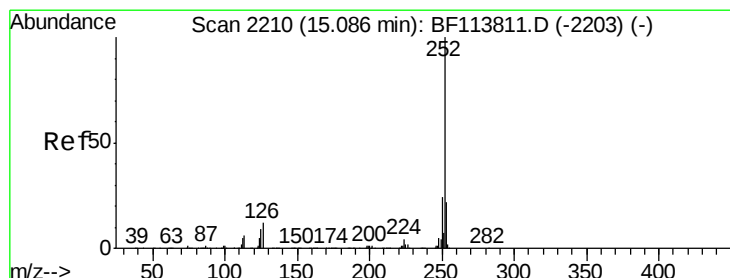
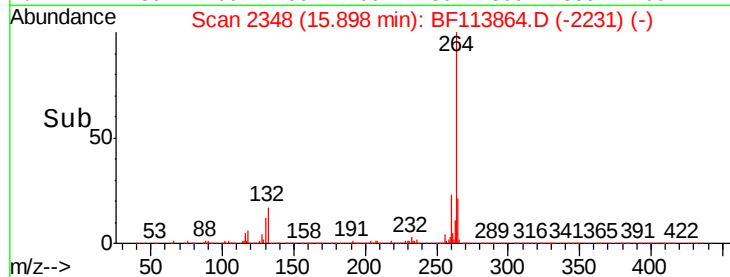
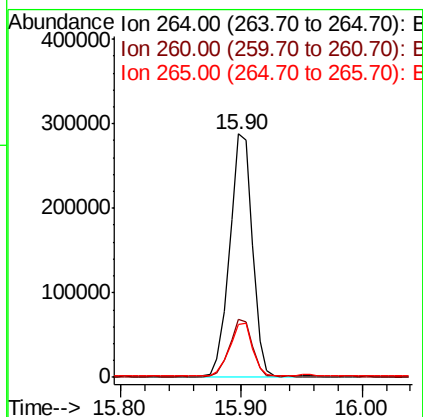
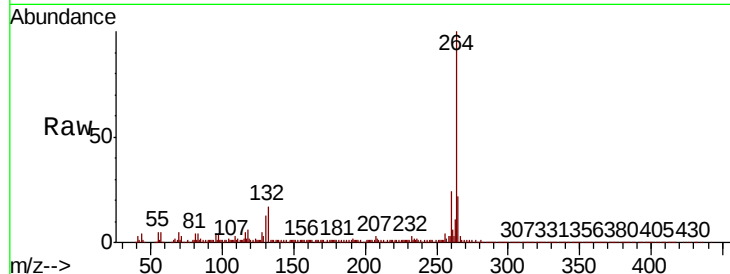




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.90 min Scan# 2348
Delta R.T. 0.39 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

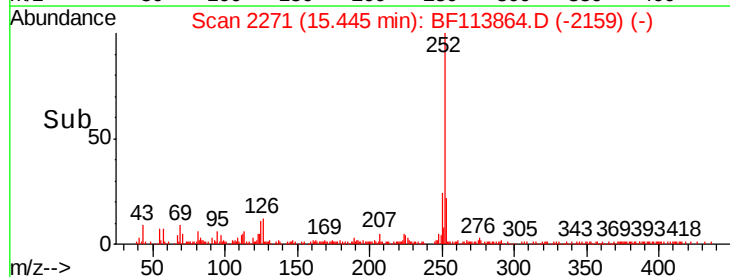
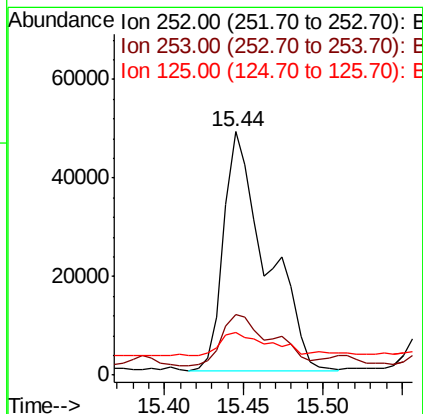
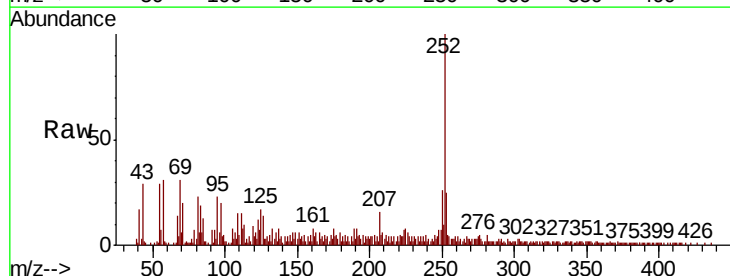
Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

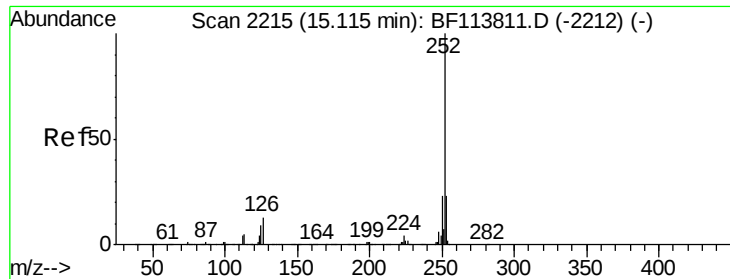
Tgt Ion:264 Resp: 375804
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.6 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 3.879 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.36 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Tgt Ion:252 Resp: 90876
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 17.5 7.0 10.6#

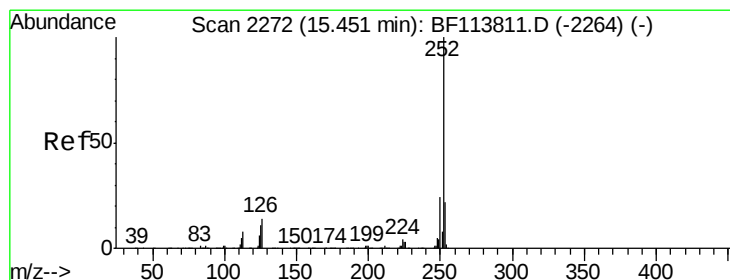
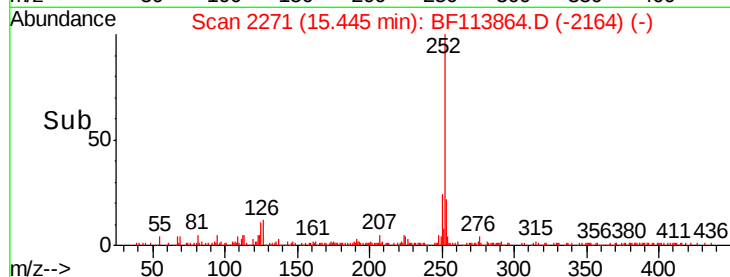
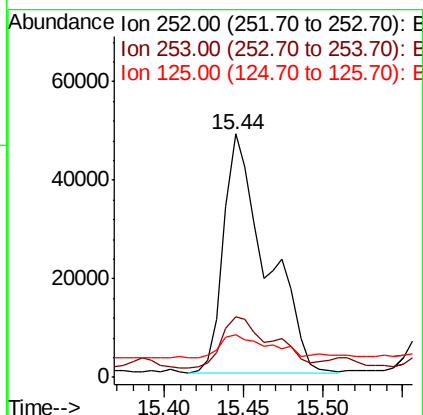
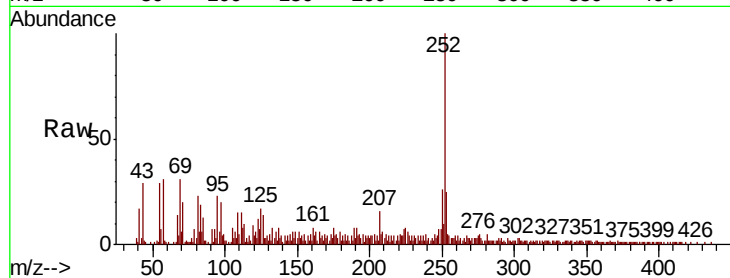




#89
Benzo(k)fluoranthene
Concen: 4.259 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.33 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-B

Tgt Ion:252 Resp: 90876
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 17.5 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 2.264 ng
RT: 15.83 min Scan# 2336
Delta R.T. 0.38 min
Lab File: BF113864.D
Acq: 19 Apr 2019 17:47

Tgt Ion:252 Resp: 46890
Ion Ratio Lower Upper
252 100
253 29.3 17.5 26.3#
125 19.6 8.5 12.7#

