

Data File : BF115660.D
Acq On : 18 Jul 2019 22:45
Operator : HP/JU
Sample : K3874-02 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABB

Quant Time: Jul 19 07:42:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	158184	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	631829	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	280221	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	500893	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	387873	20.00	ng	-0.01
87) Perylene-d12	15.50	264	330279	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	370363	38.30	ng	0.00
7) Phenol-d6	6.50	99	519564	42.34	ng	-0.01
23) Nitrobenzene-d5	7.44	82	308345	28.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	101981	31.18	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	553664	34.58	ng	-0.02
79) Terphenyl-d14	12.98	244	493708	23.49	ng	-0.02

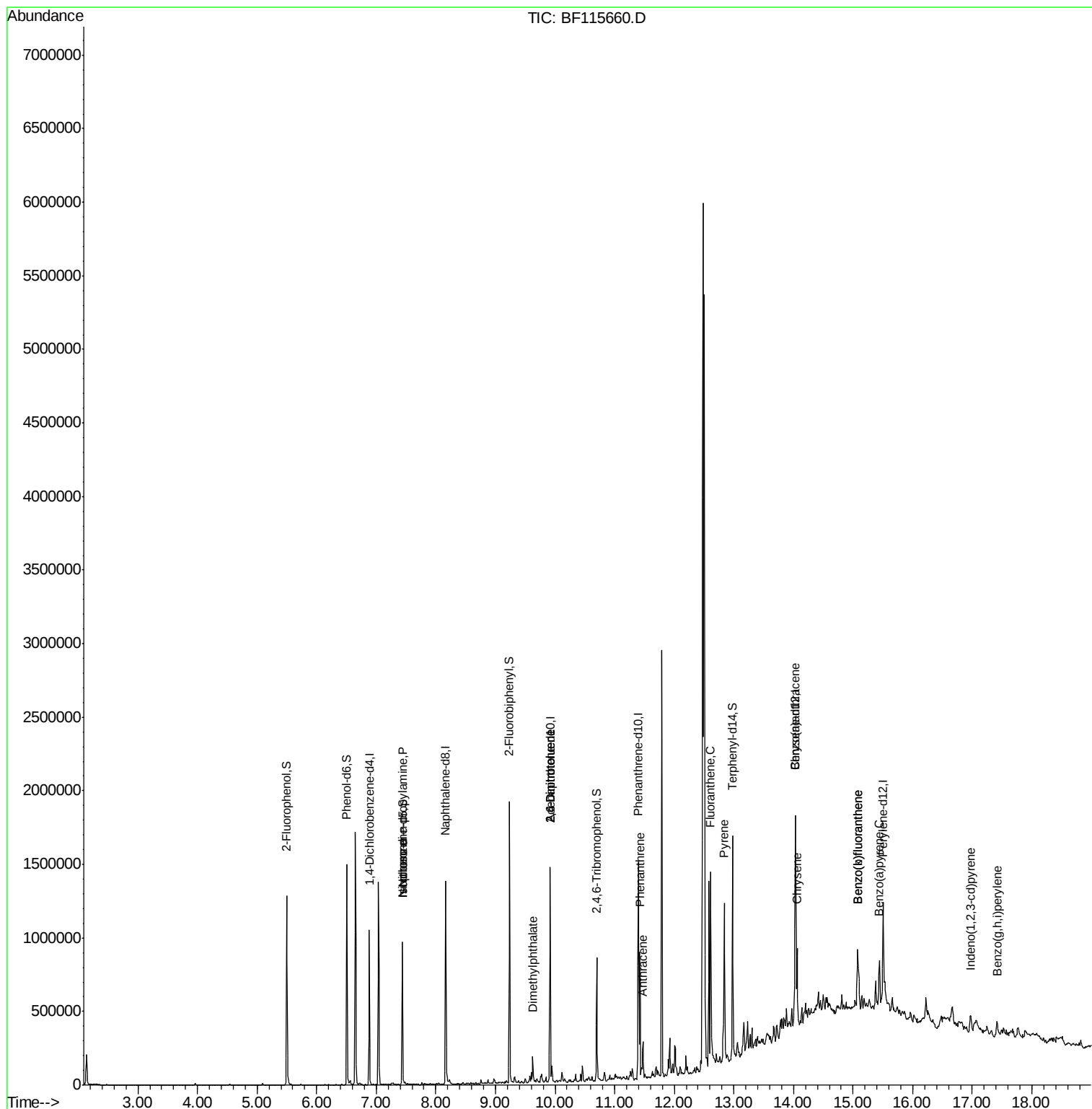
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	41219	5.150	ng	# 80
25) Isophorone	7.44	82	306198	14.082	ng	# 64
50) Dimethylphthalate	9.62	163	66667	3.162	ng	99
51) 2,6-Dinitrotoluene	9.92	165	36424	7.602	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	36424	5.868	ng	# 24
71) Phenanthrene	11.42	178	292111	11.377	ng	96
72) Anthracene	11.47	178	90855	3.424	ng	97
75) Fluoranthene	12.61	202	462970	17.064	ng	99
78) Pyrene	12.84	202	422809	12.866	ng	97
81) Benzo(a)anthracene	14.03	228	262711	10.281	ng	98
83) Chrysene	14.06	228	224013	8.733	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	80429	3.691	ng	94
88) Benzo(b)fluoranthene	15.07	252	293538	13.802	ng	97
89) Benzo(k)fluoranthene	15.07	252	293538	15.481	ng	98
90) Benzo(a)pyrene	15.44	252	158222	8.656	ng	# 94
92) Benzo(g,h,i)perylene	17.42	276	74580	4.660	ng	94

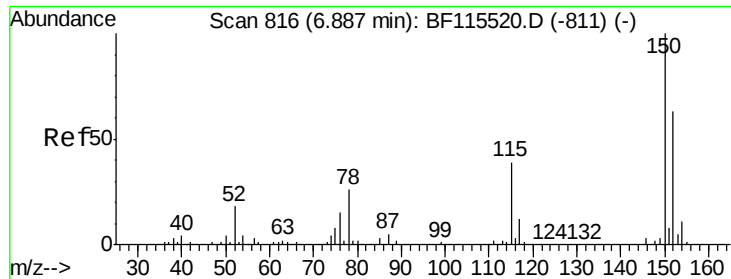
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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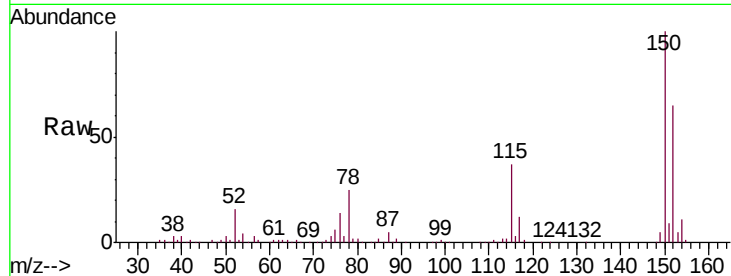




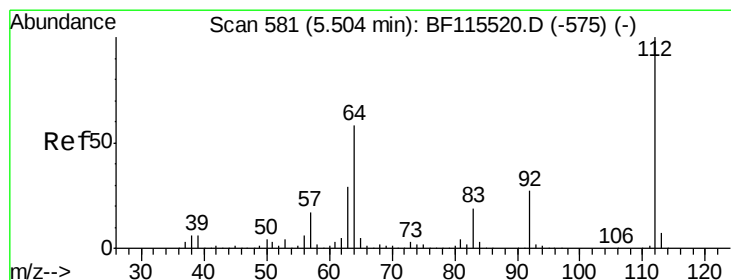
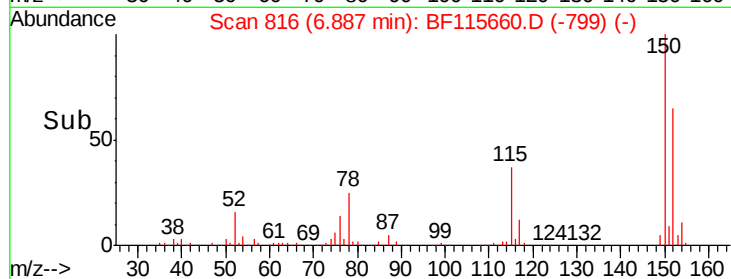
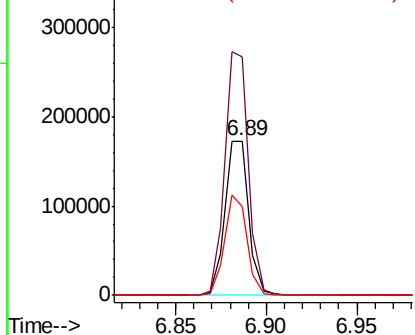
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABB

Tgt Ion:152 Resp: 158184
 Ion Ratio Lower Upper
 152 100
 150 154.2 129.7 194.5
 115 57.5 48.2 72.4

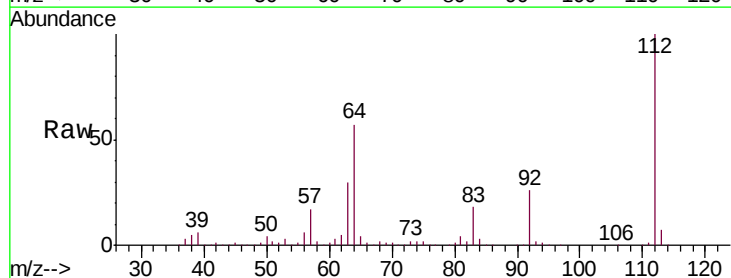


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

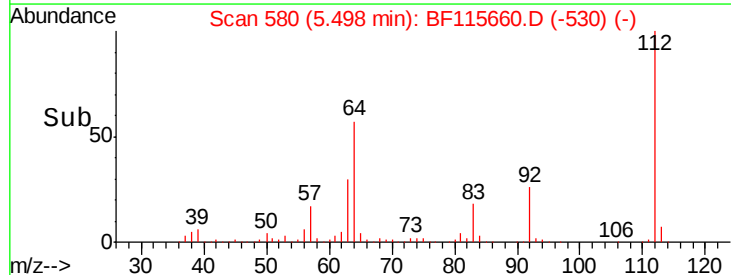
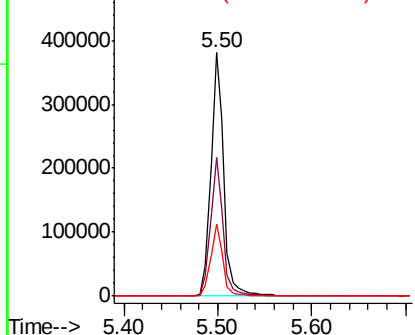


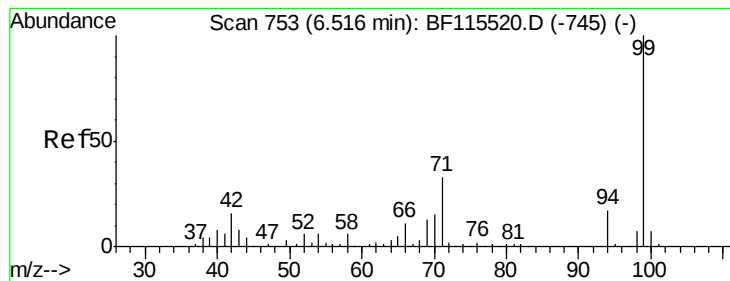
#5
 2-Fluorophenol
 Concen: 38.298 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

Tgt Ion:112 Resp: 370363
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.8 70.2
 63 29.5 24.1 36.1



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: 42.341 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABB

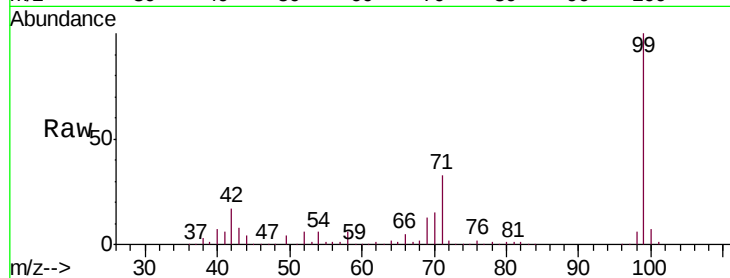
Tgt Ion: 99 Resp: 519564

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

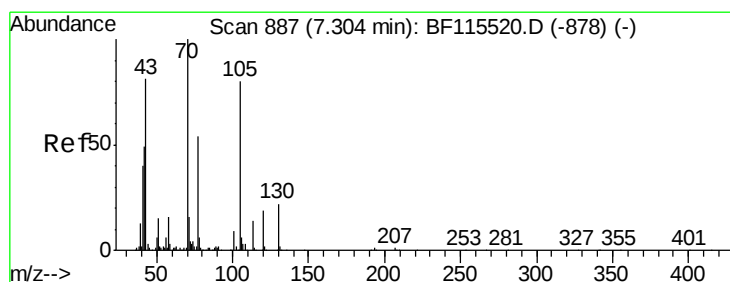
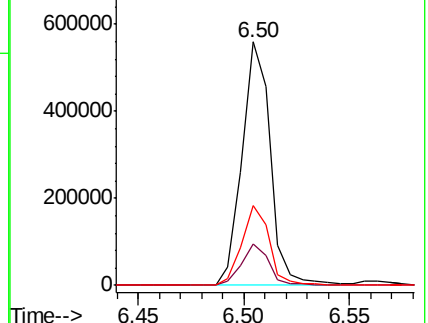
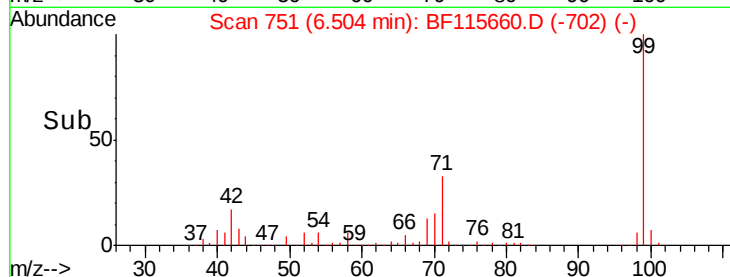
71 32.6 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.150 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

Tgt Ion: 70 Resp: 41219

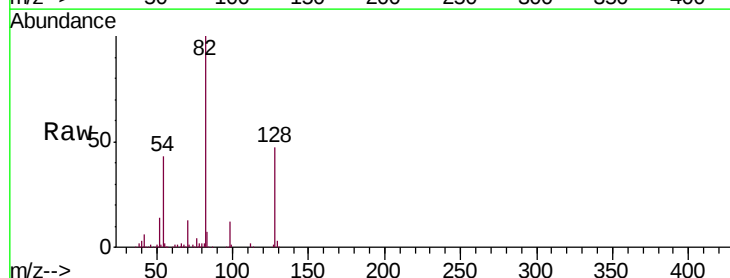
Ion Ratio Lower Upper

70 100

42 43.8 39.6 59.4

101 0.0 8.1 12.1#

130 2.3 18.2 27.2#

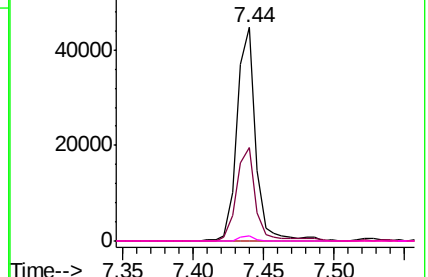
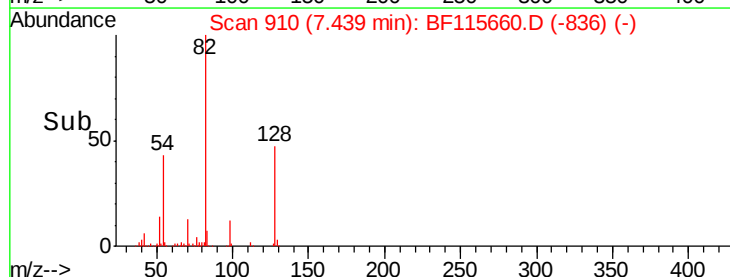


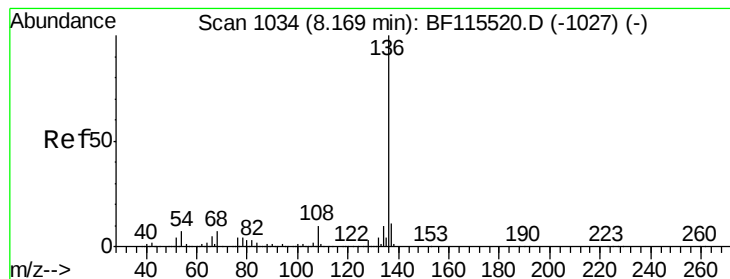
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABB

Tgt Ion: 136 Resp: 631829

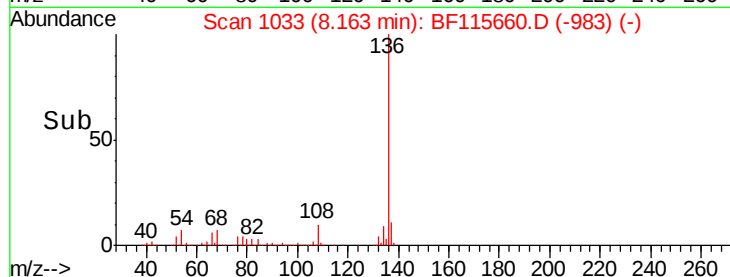
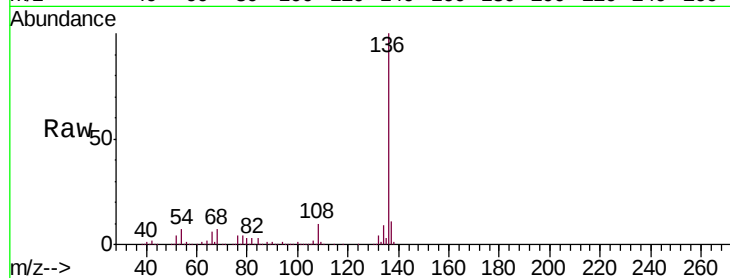
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.3 5.6 8.4

68 6.9 5.0 7.6

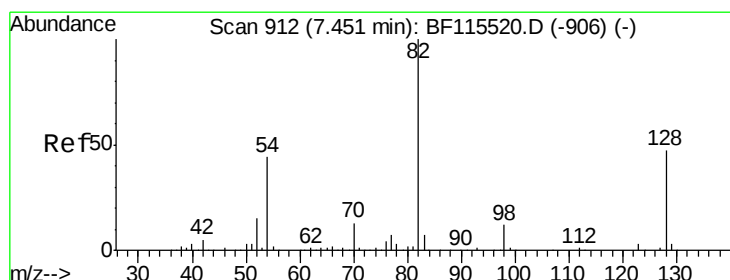
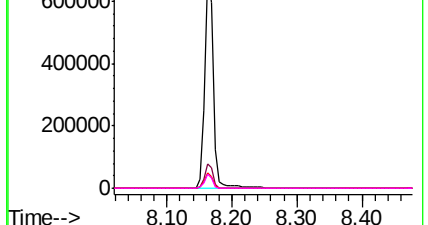


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 28.377 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

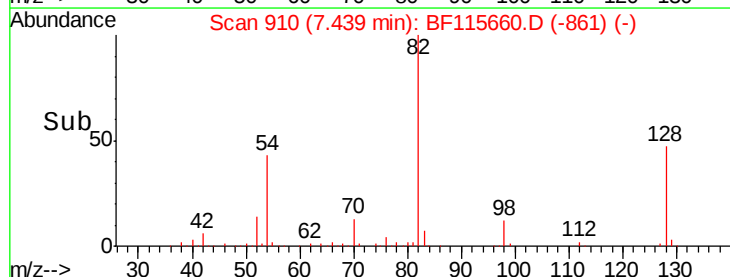
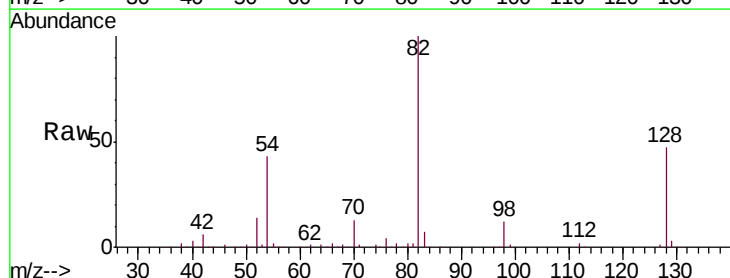
Tgt Ion: 82 Resp: 308345

Ion Ratio Lower Upper

82 100

128 47.4 38.6 57.8

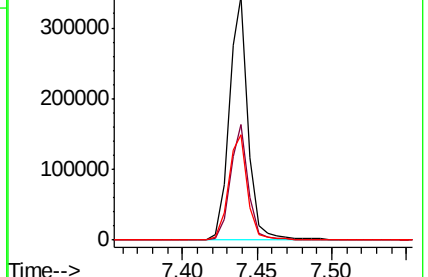
54 43.4 35.6 53.4

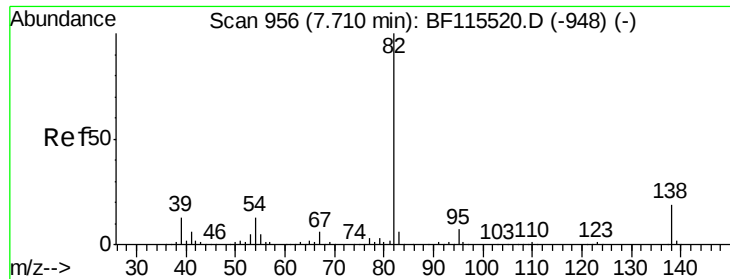


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.082 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABB

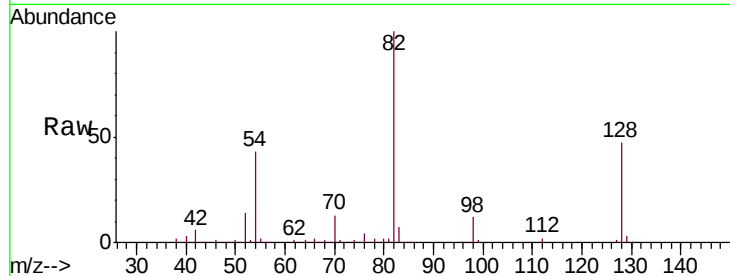
Tgt Ion: 82 Resp: 306198

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

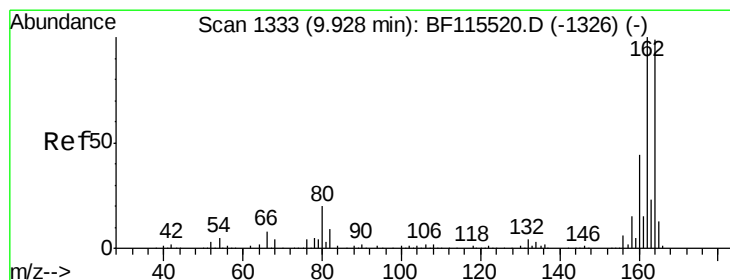
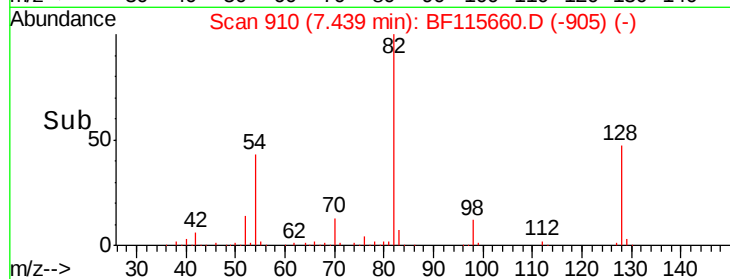
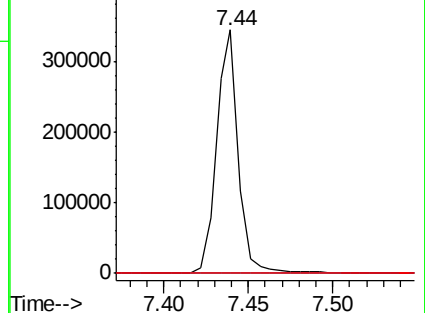
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

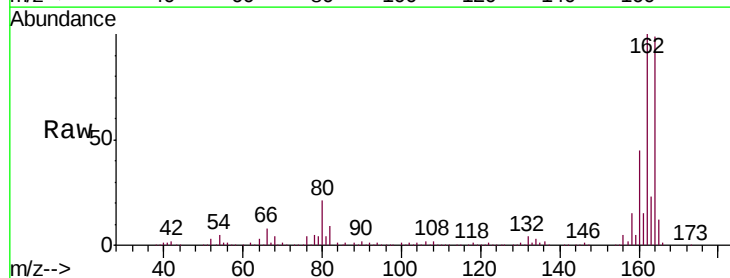
Tgt Ion: 164 Resp: 280221

Ion Ratio Lower Upper

164 100

162 101.3 82.9 124.3

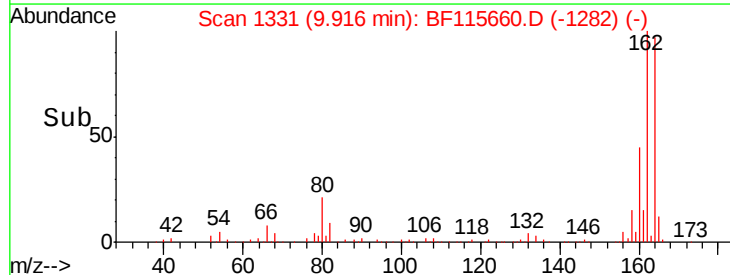
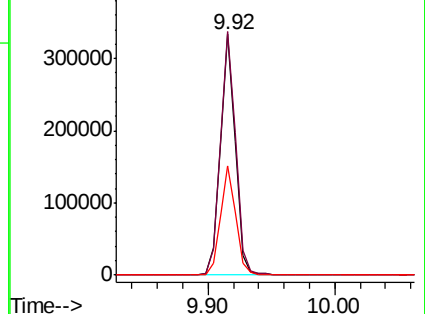
160 45.6 36.8 55.2

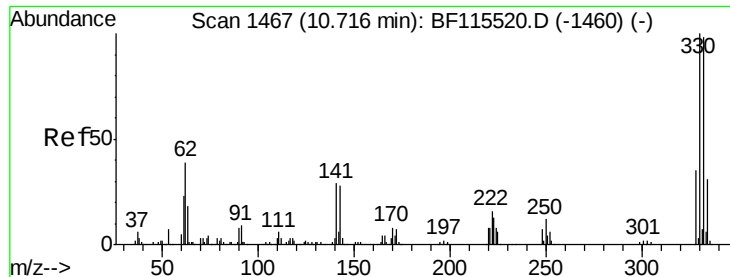


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

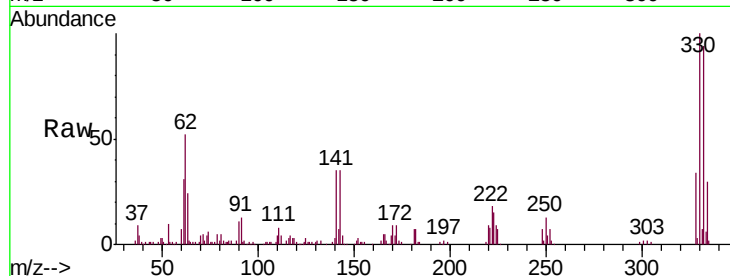




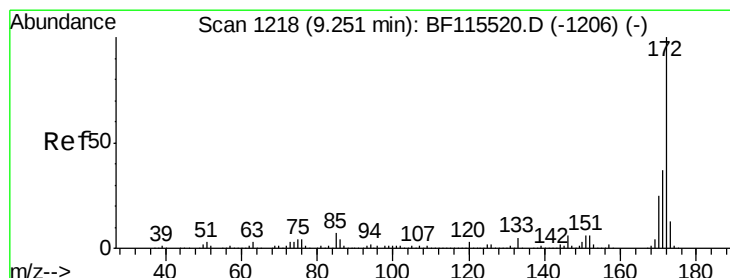
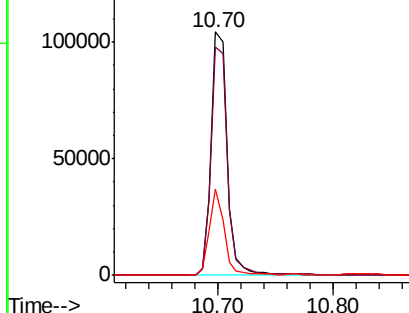
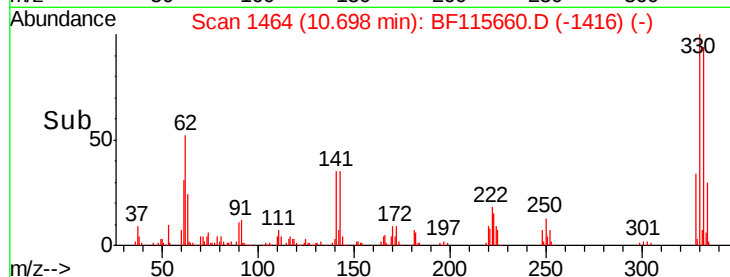
#42
 2,4,6-Tribromophenol
 Concen: 31.179 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

Instrument :
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Tgt Ion:330 Resp: 101981
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 33.3 22.4 33.6

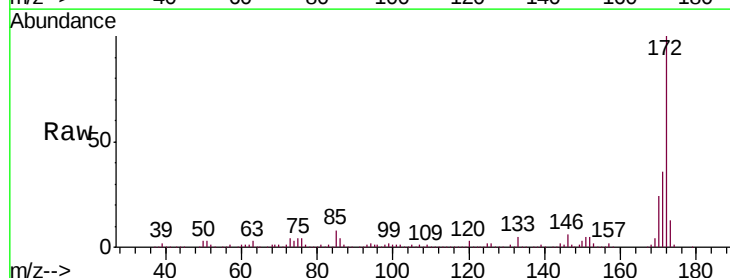


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

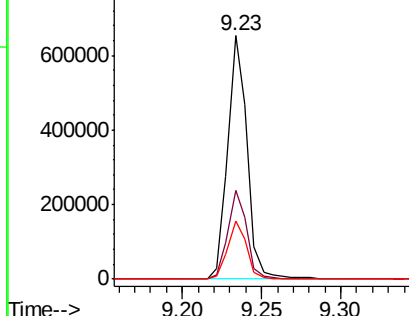
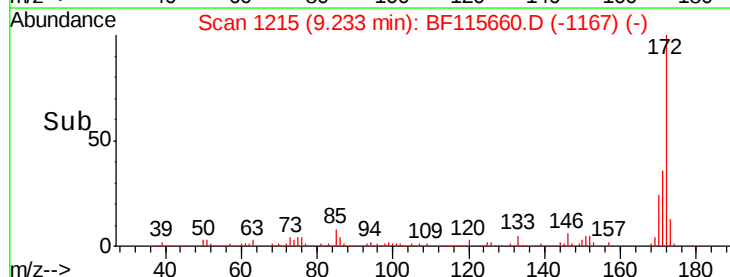


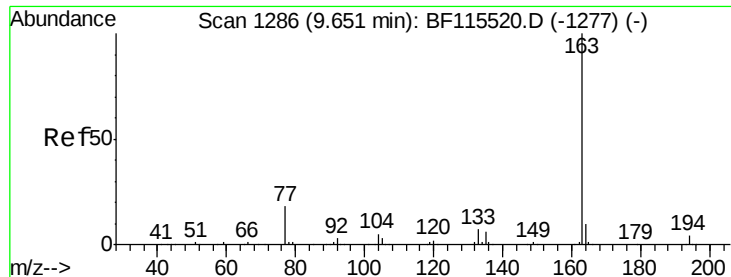
#45
 2-Fluorobiphenyl
 Concen: 34.582 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

Tgt Ion:172 Resp: 553664
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.6 46.0
 170 24.0 20.5 30.7



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

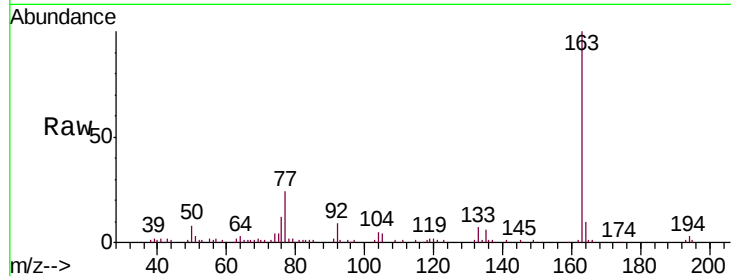




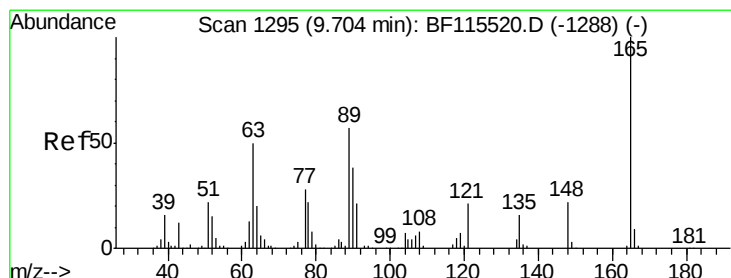
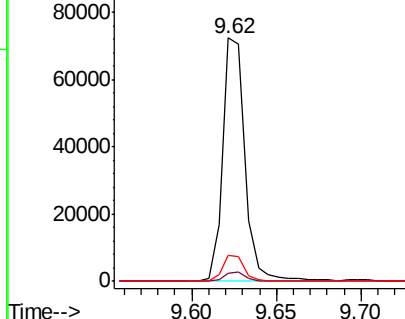
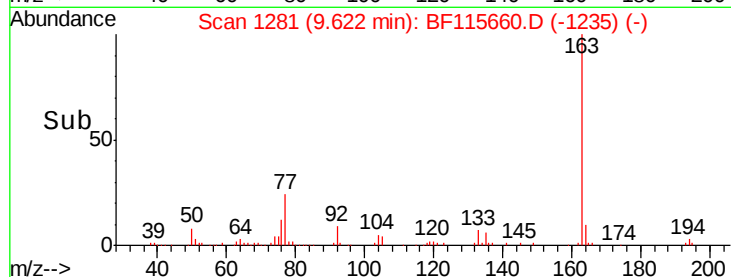
#50
Dimethylphthalate
Concen: 3.162 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115660.D
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Instrument :
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.3	4.9
164	10.4	8.7	13.1

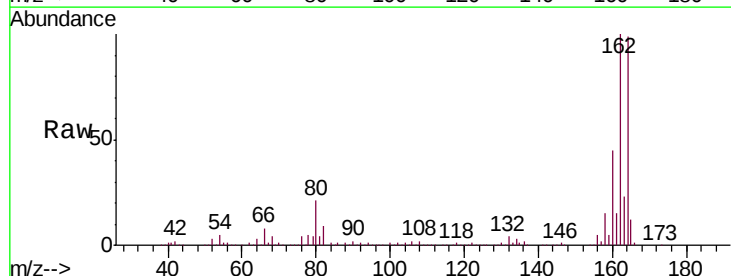


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

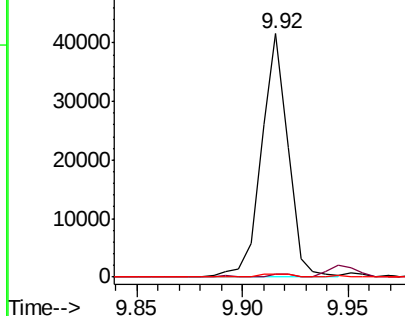
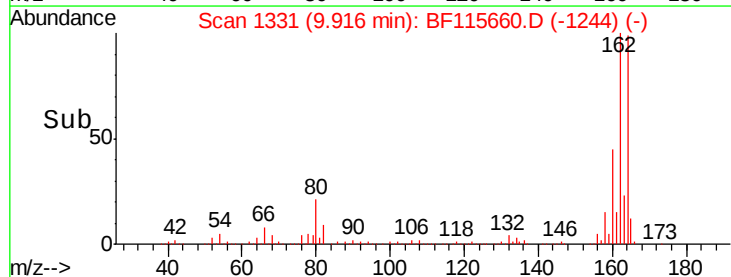


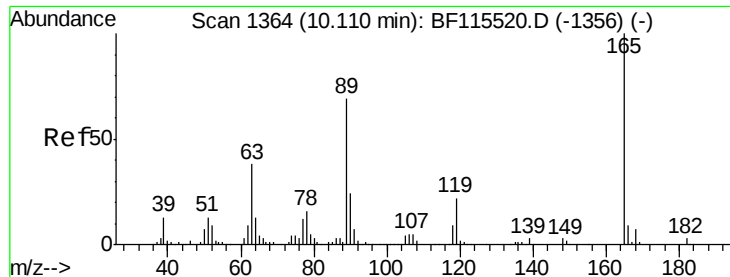
#51
2,6-Dinitrotoluene
Concen: 7.602 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.6	61.0#
89	1.5	43.9	65.9#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

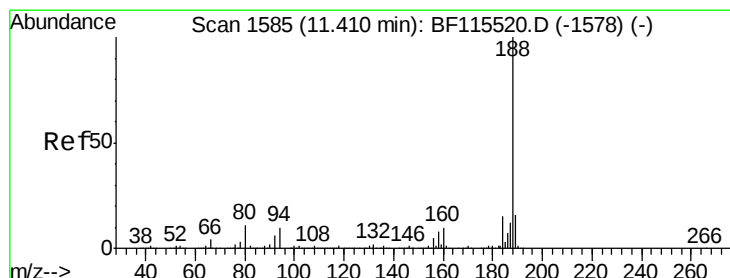
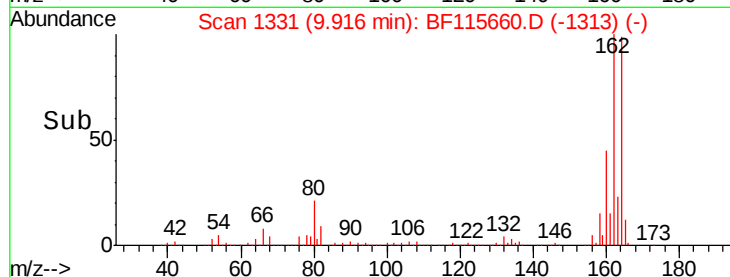
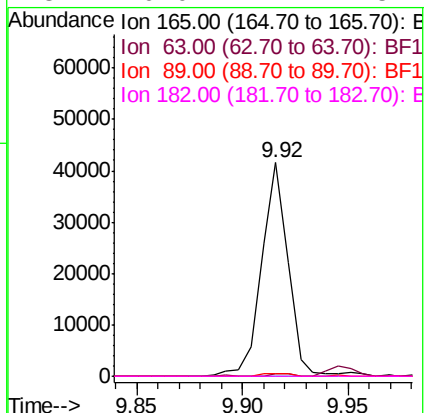
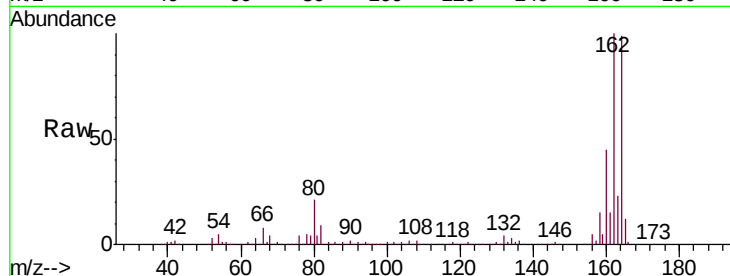




#57
 2,4-Dinitrotoluene
 Concen: 5.868 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

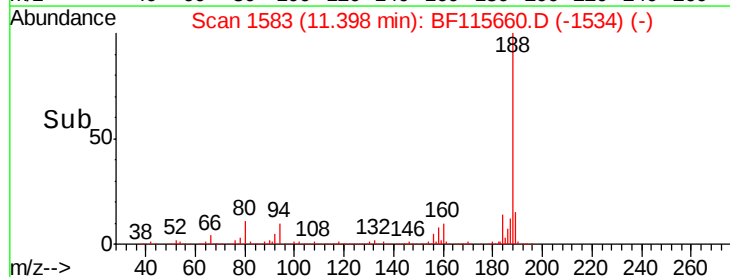
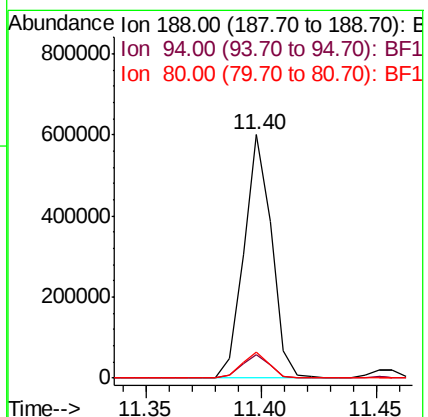
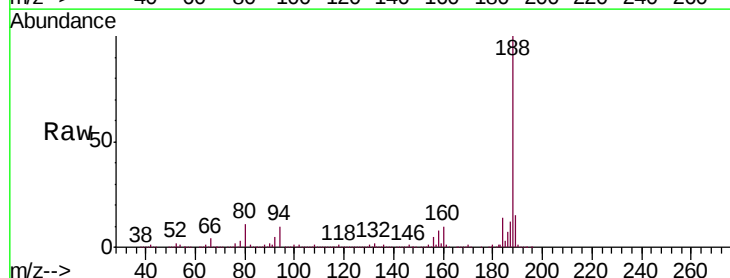
Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABB

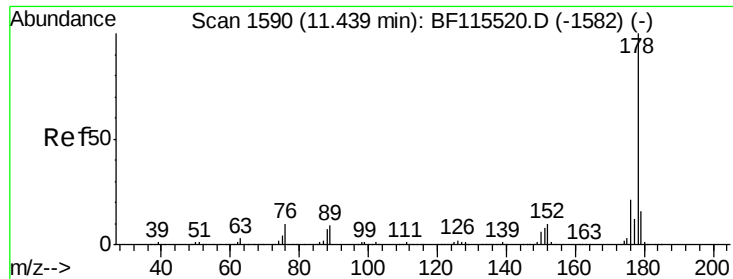
Tgt Ion:	165	Resp:	36424
Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.9	52.3#
89	1.5	57.5	86.3#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

Tgt Ion:	188	Resp:	500893
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.7	8.6	13.0

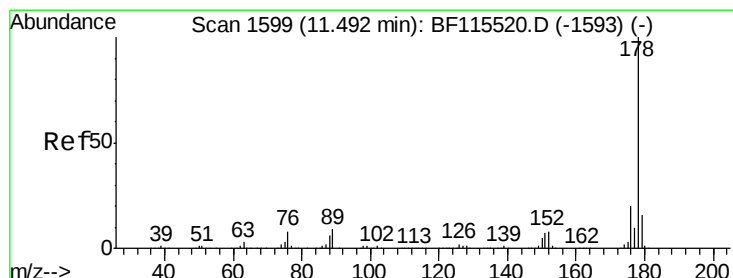
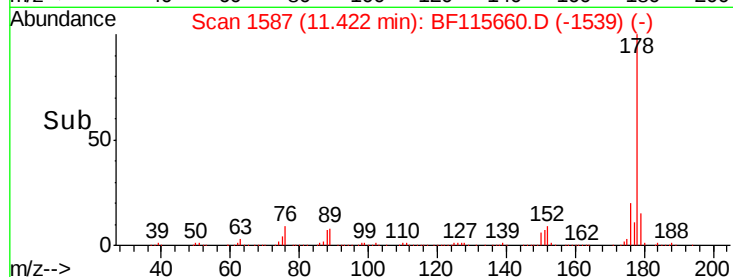
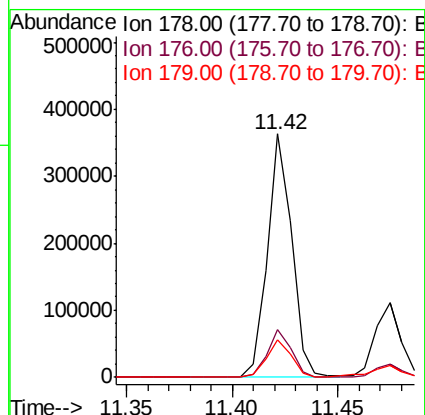
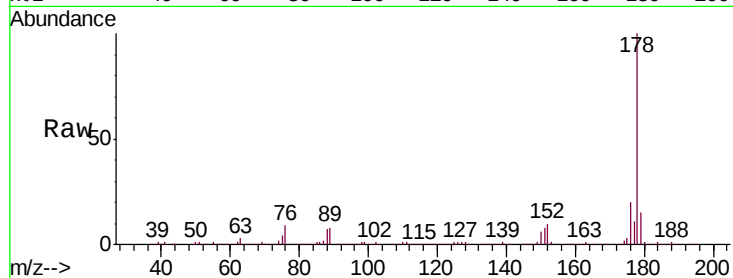




#71
Phenanthrene
Concen: 11.377 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

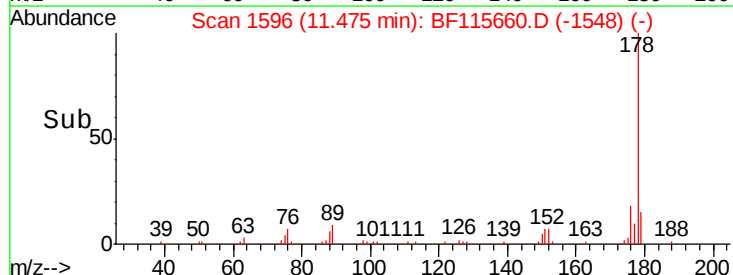
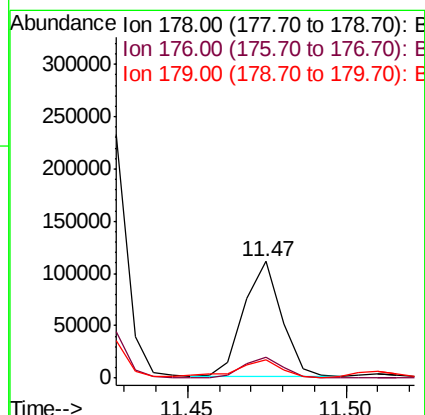
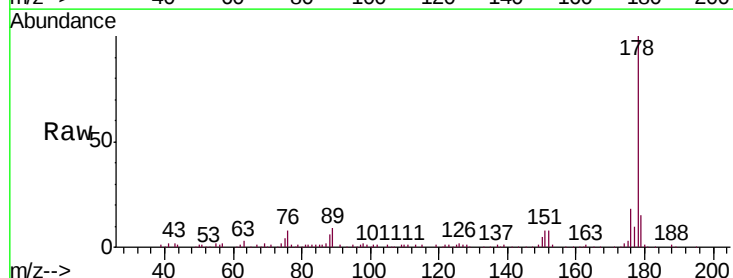
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABB

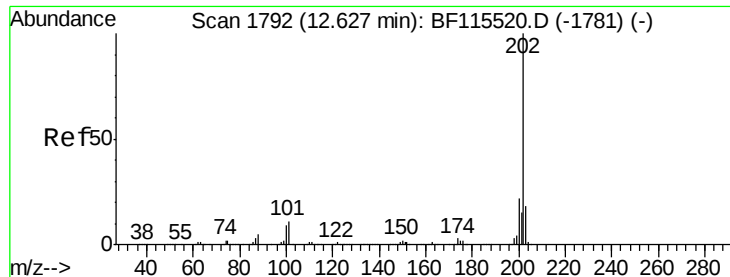
Tgt Ion:178 Resp: 292111
Ion Ratio Lower Upper
178 100
176 19.8 17.2 25.8
179 15.2 13.5 20.3



#72
Anthracene
Concen: 3.424 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Tgt Ion:178 Resp: 90855
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 15.2 12.7 19.1





#75

Fluoranthene

Concen: 17.064 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABB

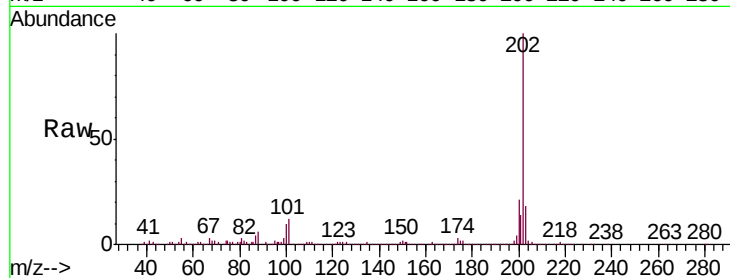
Tgt Ion:202 Resp: 462970

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

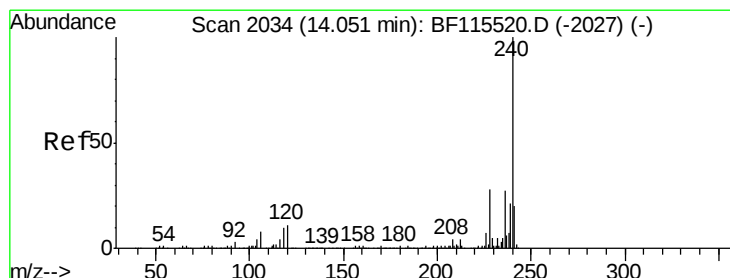
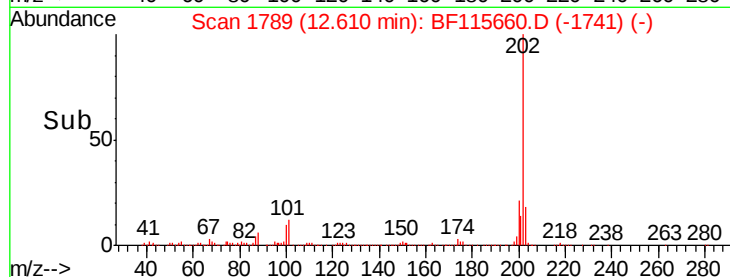
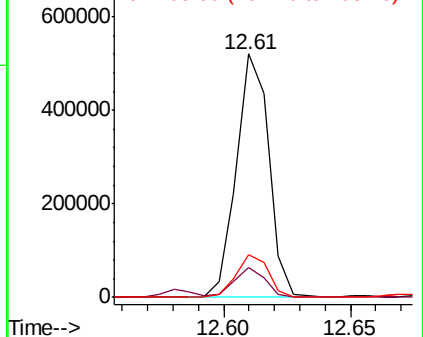
203 17.7 0.0 38.1



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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF115660.D

Acq: 18 Jul 2019 22:45

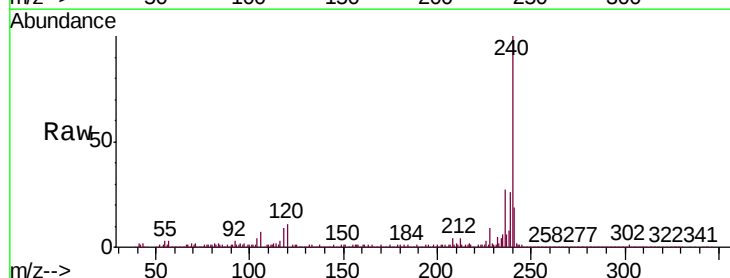
Tgt Ion:240 Resp: 387873

Ion Ratio Lower Upper

240 100

120 10.7 8.6 13.0

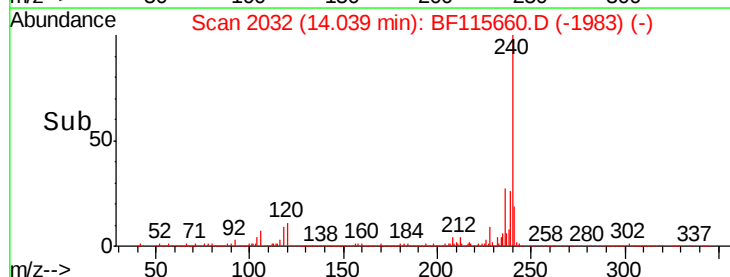
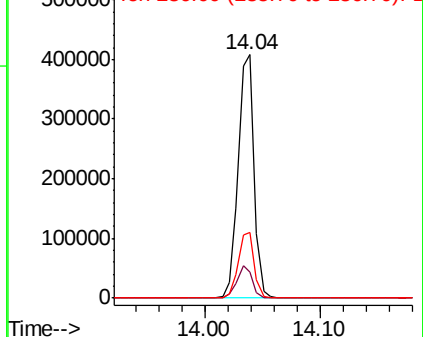
236 27.0 21.3 31.9

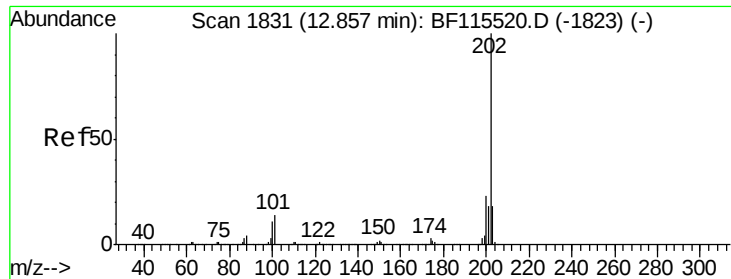


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

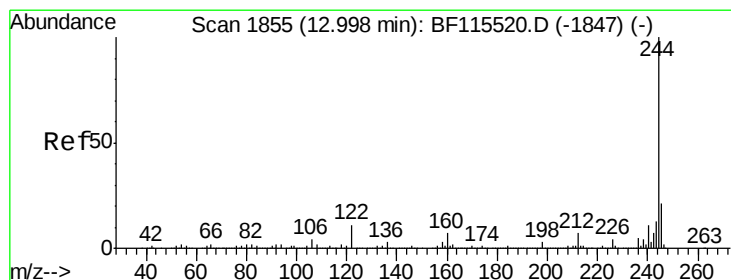
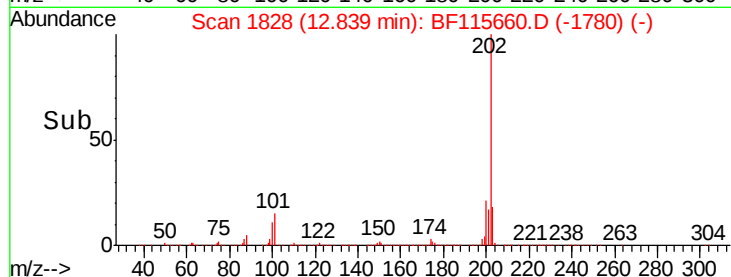
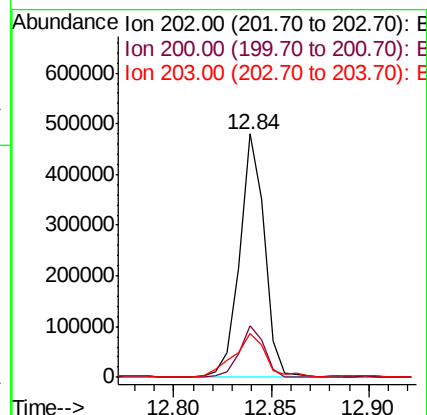
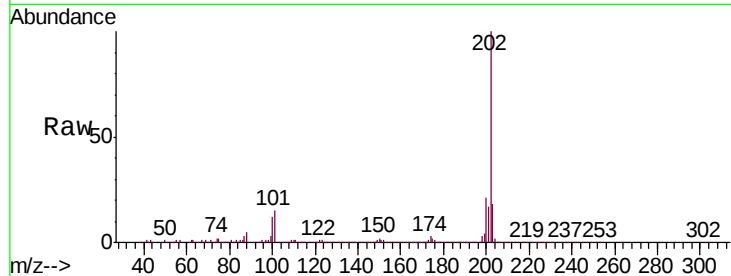




#78
Pyrene
Concen: 12.866 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

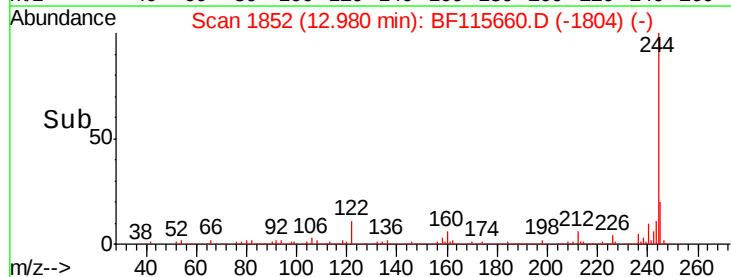
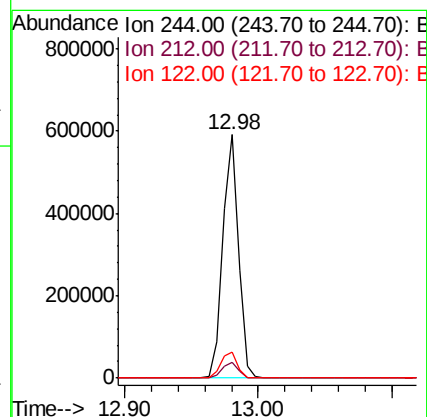
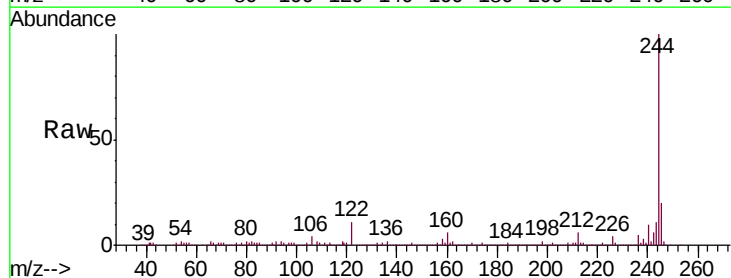
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABB

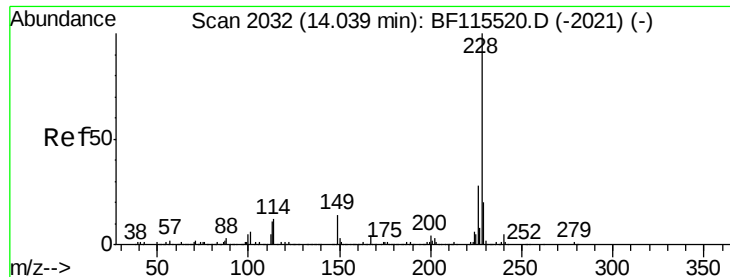
Tgt Ion: 202 Resp: 422809
Ion Ratio Lower Upper
202 100
200 21.4 18.7 28.1
203 18.2 15.2 22.8



#79
Terphenyl-d14
Concen: 23.486 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Tgt Ion: 244 Resp: 493708
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 10.9 8.6 12.8

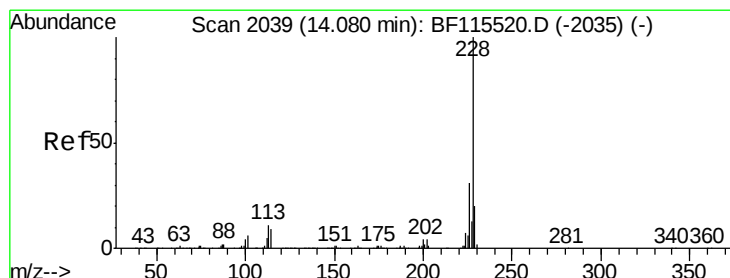
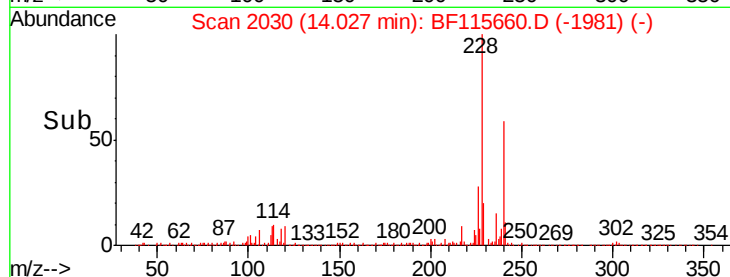
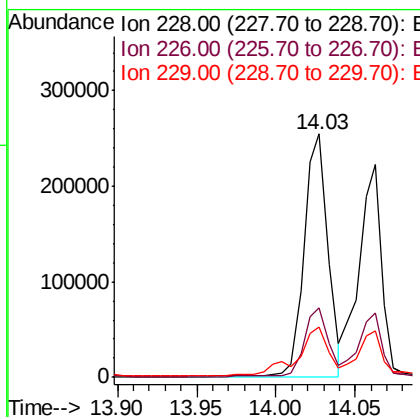
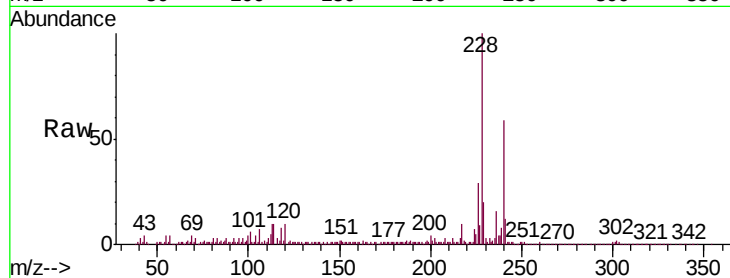




#81
Benzo(a)anthracene
Concen: 10.281 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

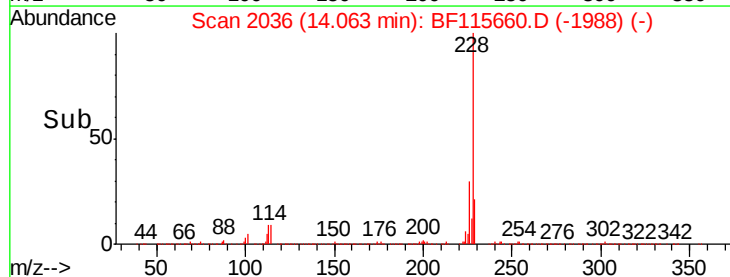
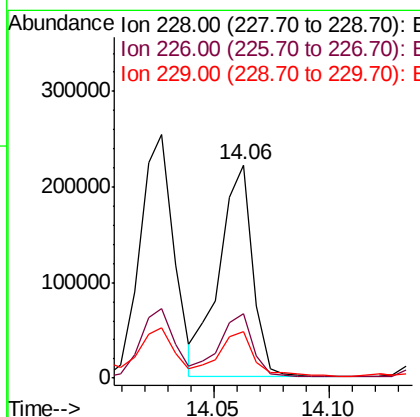
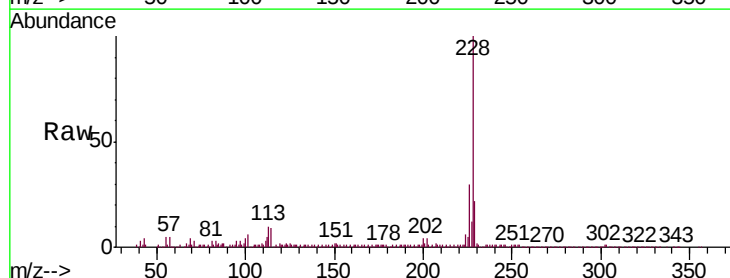
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABB

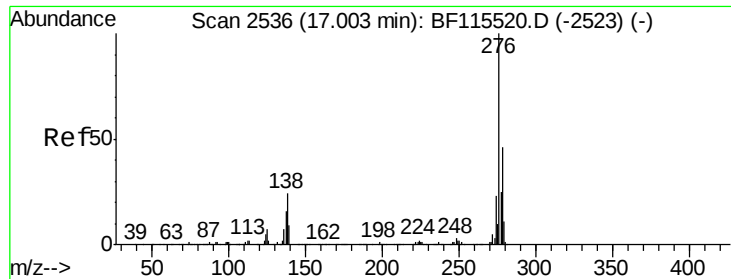
Tgt Ion:228 Resp: 262711
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.0
229 20.5 17.2 25.8



#83
Chrysene
Concen: 8.733 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Tgt Ion:228 Resp: 224013
Ion Ratio Lower Upper
228 100
226 29.9 25.7 38.5
229 21.6 16.6 25.0

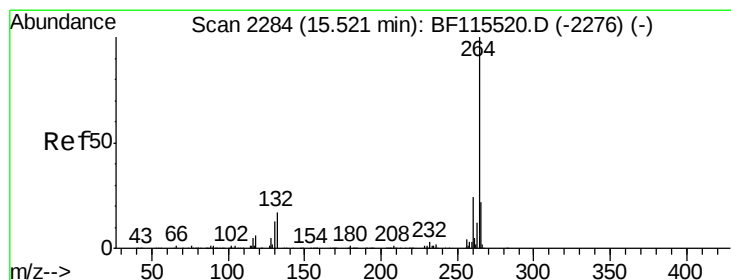
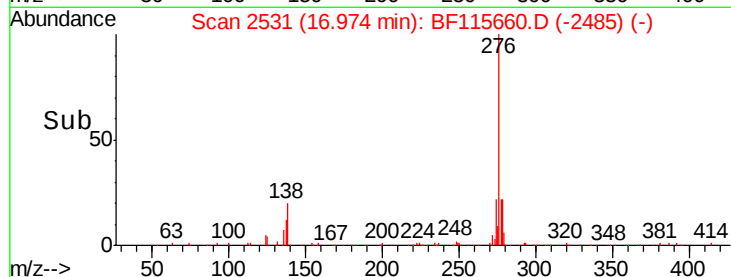
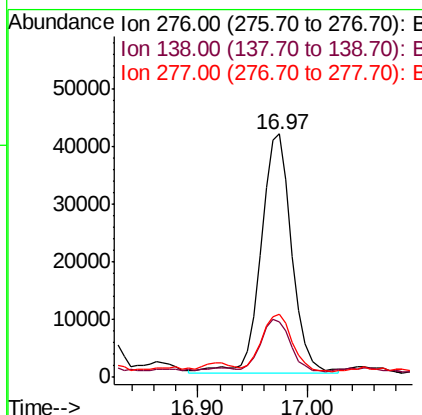
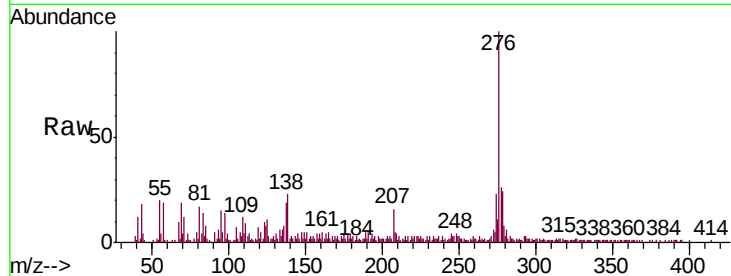




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.691 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

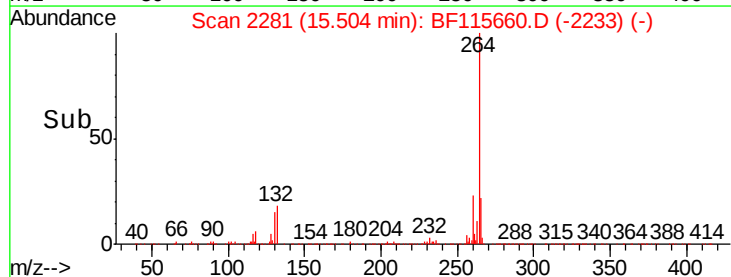
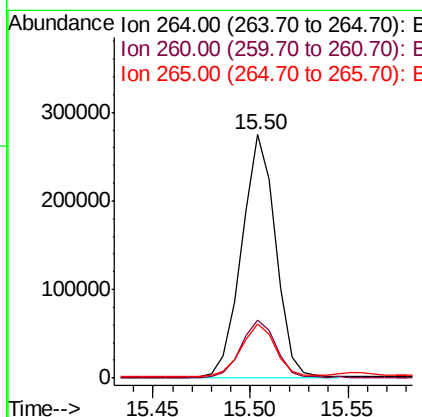
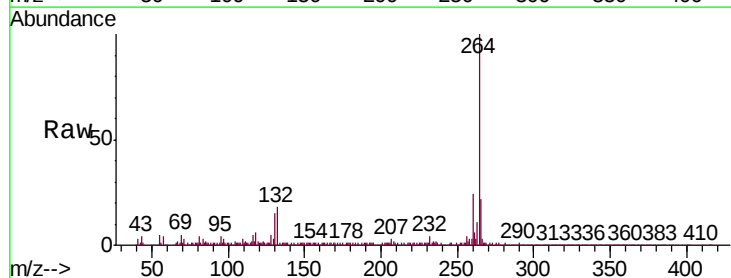
Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABB

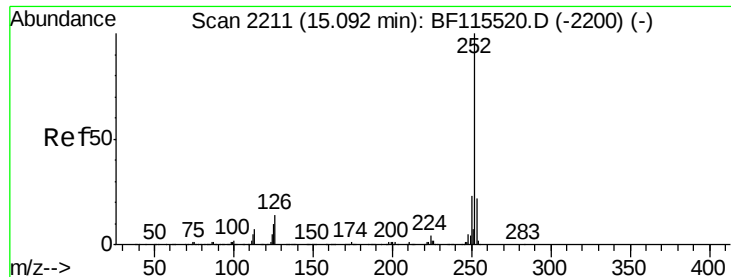
Tgt Ion:276 Resp: 80429
 Ion Ratio Lower Upper
 276 100
 138 21.1 20.2 30.2
 277 23.9 20.4 30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF115660.D
 Acq: 18 Jul 2019 22:45

Tgt Ion:264 Resp: 330279
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.8 29.8
 265 22.4 17.7 26.5

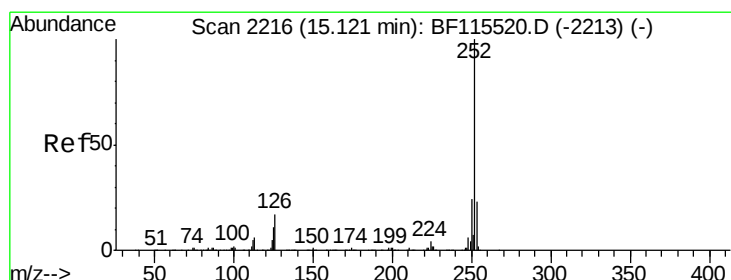
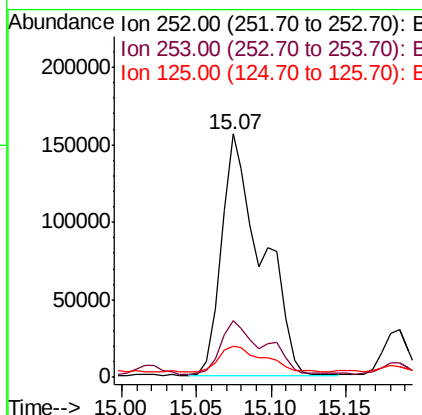
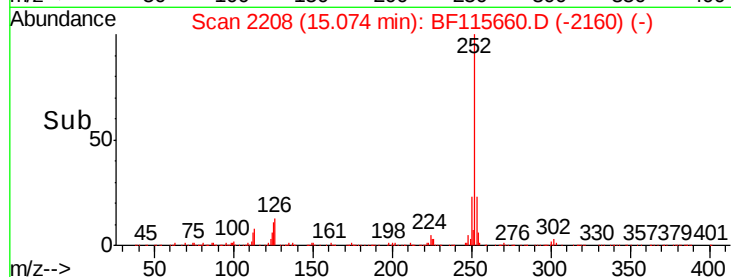
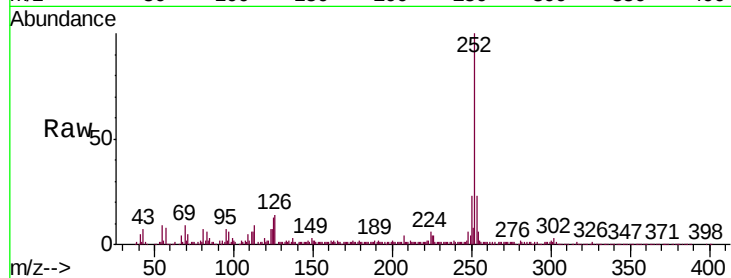




#88
Benzo(b)fluoranthene
Concen: 13.802 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

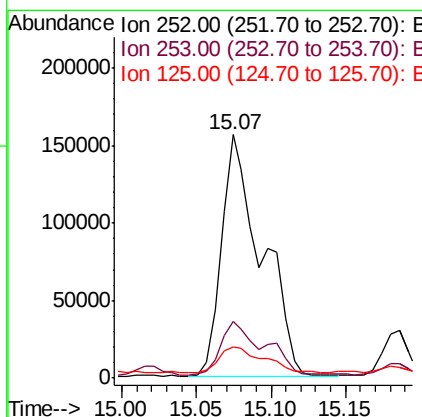
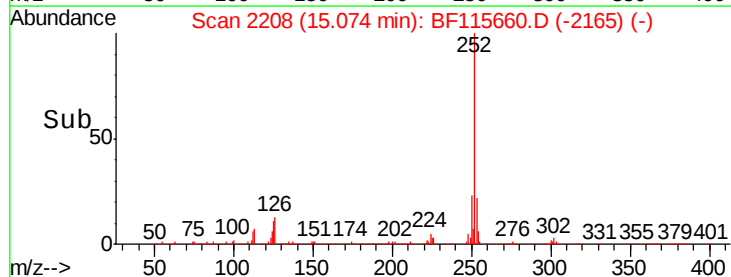
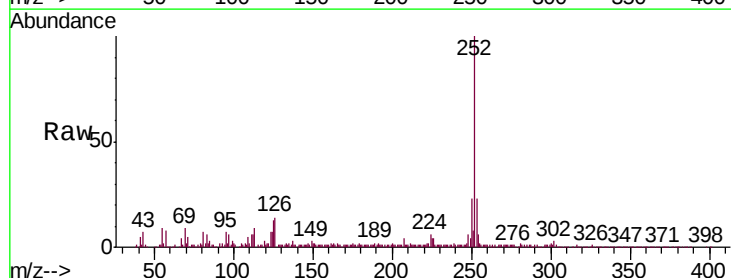
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABB

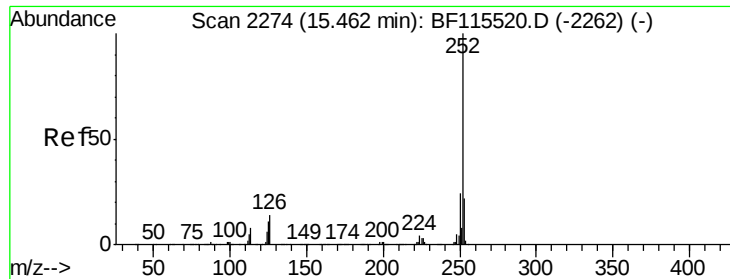
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.0	9.0	13.4



#89
Benzo(k)fluoranthene
Concen: 15.481 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.6	28.0
125	13.0	9.0	13.6

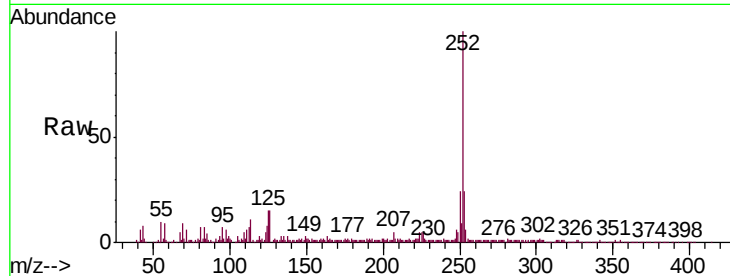




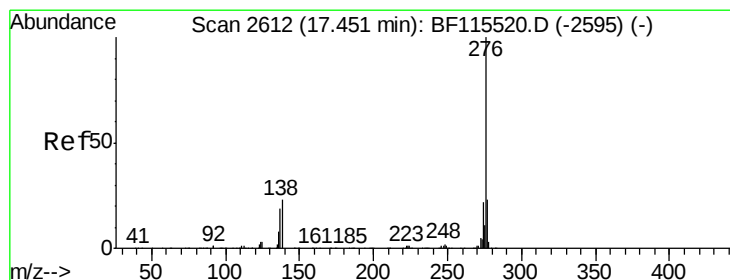
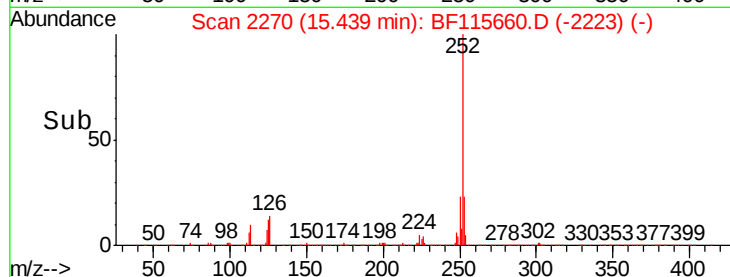
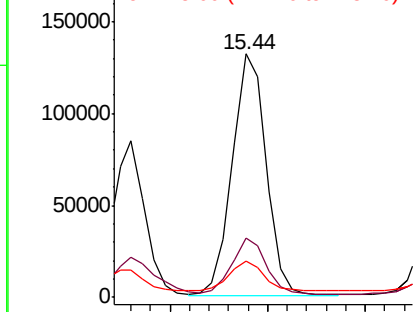
#90
Benzo(a)pyrene
Concen: 8.656 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABB

Tgt Ion: 252 Resp: 158222
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 14.9 9.1 13.7#

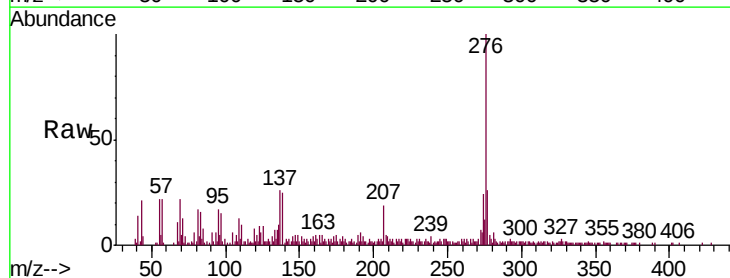


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.660 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.04 min
Lab File: BF115660.D
Acq: 18 Jul 2019 22:45

Tgt Ion: 276 Resp: 74580
Ion Ratio Lower Upper
276 100
277 25.9 19.0 28.4
138 24.7 17.2 25.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

