

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
 Data File : BF115636.D
 Acq On : 17 Jul 2019 21:39
 Operator : HP/JU
 Sample : K3835-31 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)

Quant Time: Jul 18 04:48:21 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	6.88	152	186969	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	720260	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	285955	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	425578	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	319414	20.00	ng	-0.02
87) Perylene-d12	15.50	264	319271	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	439080	38.41	ng	0.00
7) Phenol-d6	6.50	99	586757	40.46	ng	-0.01
23) Nitrobenzene-d5	7.43	82	345499	27.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	104506	31.31	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	661761	40.51	ng	-0.02
79) Terphenyl-d14	12.97	244	441508	25.50	ng	-0.02

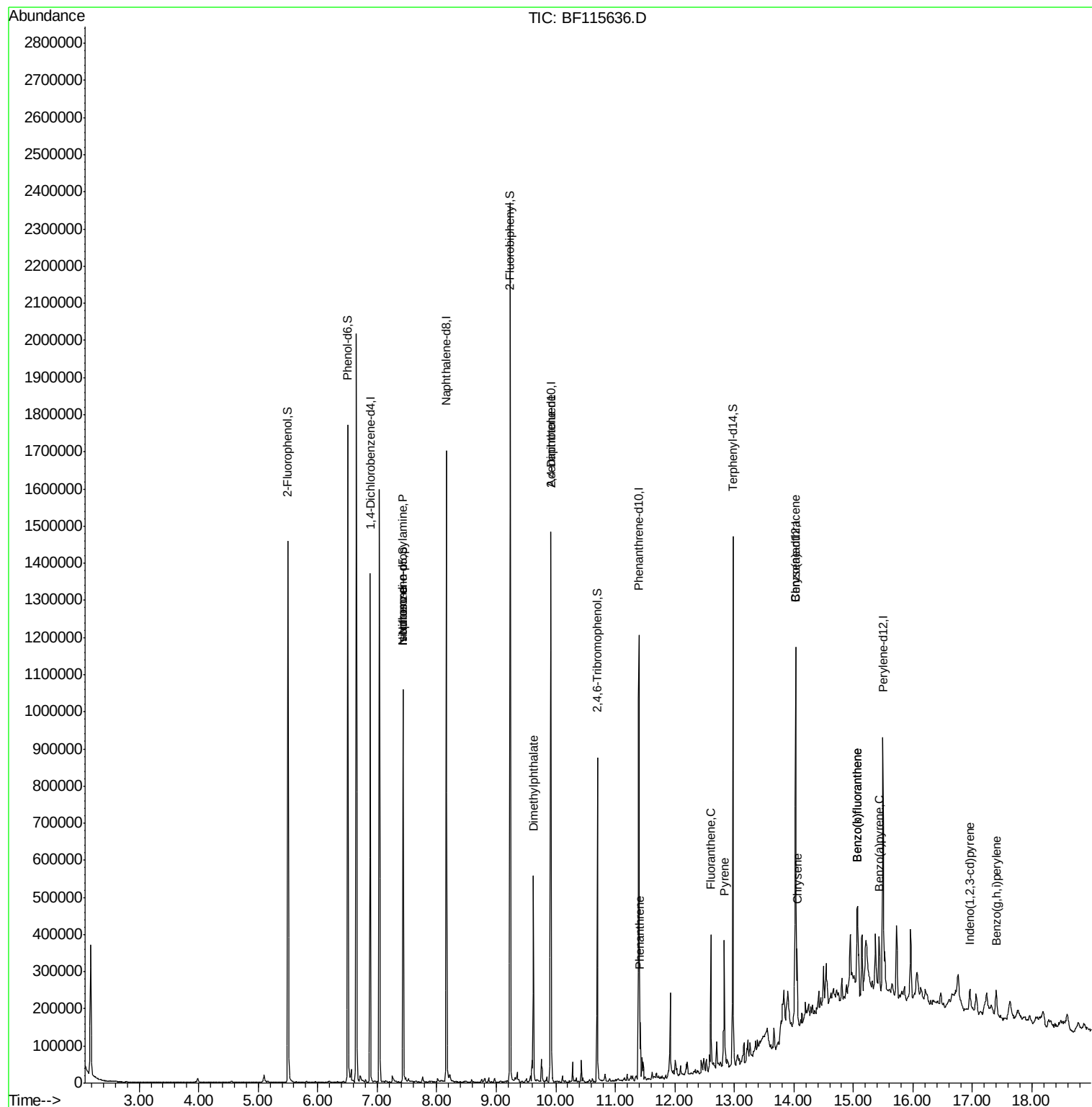
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	44993	4.757	ng	# 78
25) Isophorone	7.43	82	339923	13.714	ng	# 64
50) Dimethylphthalate	9.62	163	202452	9.410	ng	98
57) 2,4-Dinitrotoluene	9.92	165	36377	5.743	ng	# 24
71) Phenanthrene	11.42	178	62518	2.866	ng	97
75) Fluoranthene	12.60	202	136913	5.939	ng	96
78) Pyrene	12.83	202	129739	4.794	ng	95
81) Benzo(a)anthracene	14.02	228	82423	3.917	ng	95
83) Chrysene	14.06	228	88272	4.179	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	42913	2.391	ng	95
88) Benzo(b)fluoranthene	15.07	252	160363	7.800	ng	98
89) Benzo(k)fluoranthene	15.07	252	160363	8.749	ng	98
90) Benzo(a)pyrene	15.43	252	73194	4.142	ng	96
92) Benzo(g,h,i)perylene	17.40	276	49948	3.229	ng	95

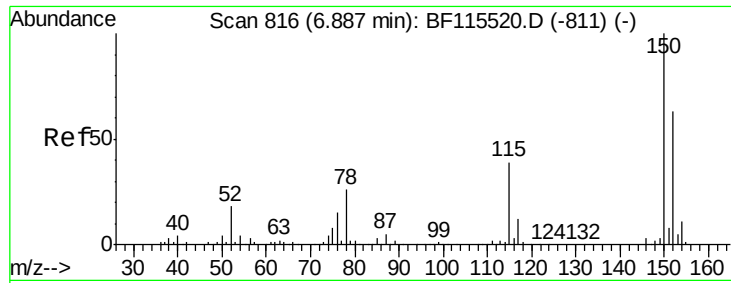
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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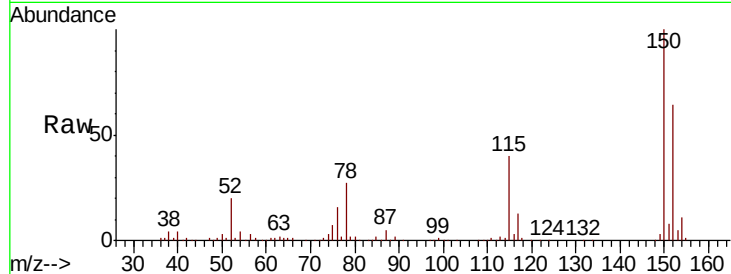


#1

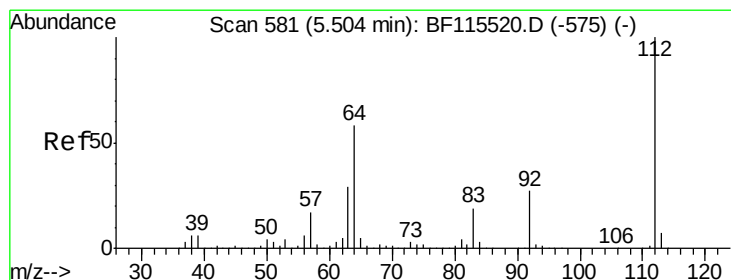
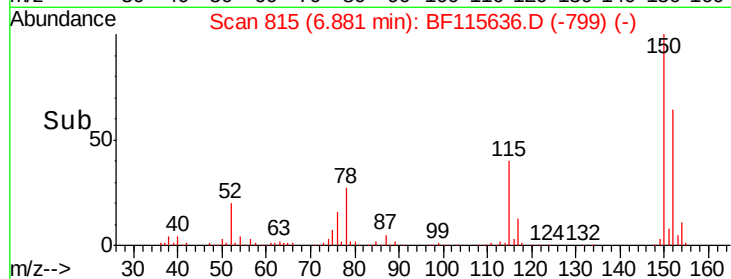
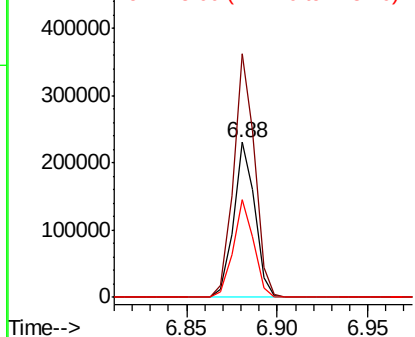
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

Tgt Ion:152 Resp: 186969
Ion Ratio Lower Upper
152 100
150 157.2 129.7 194.5
115 62.9 48.2 72.4



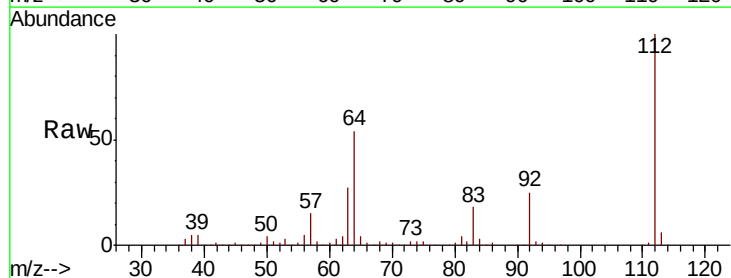
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



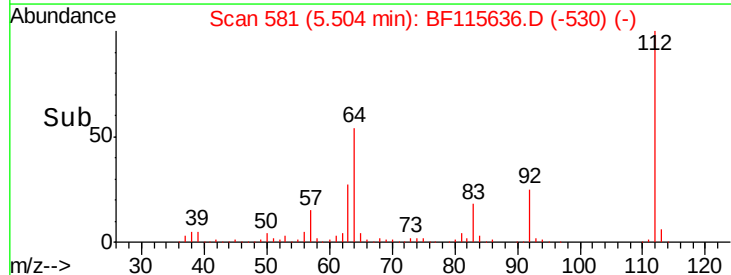
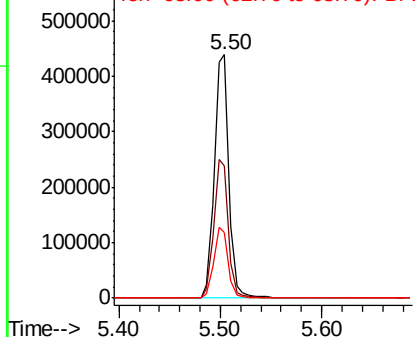
#5

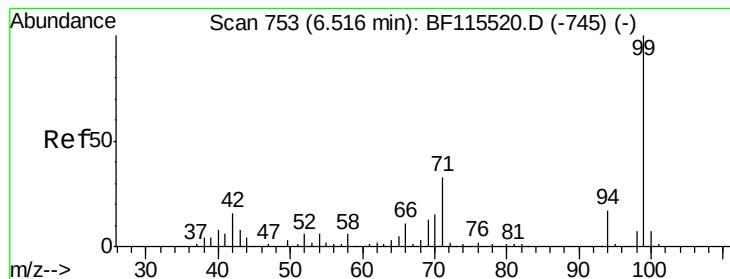
2-Fluorophenol
Concen: 38.413 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Tgt Ion:112 Resp: 439080
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 27.1 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: 40.455 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

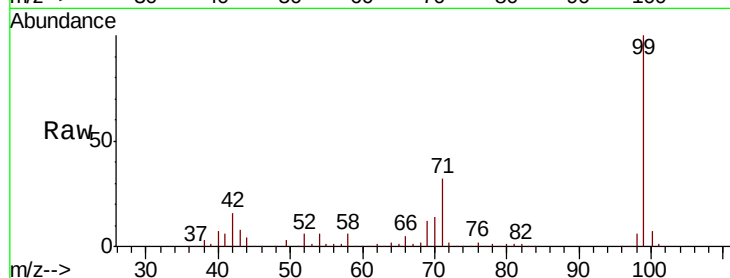
Tgt Ion: 99 Resp: 586757

Ion Ratio Lower Upper

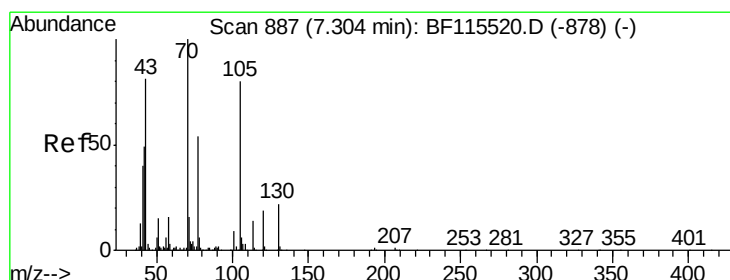
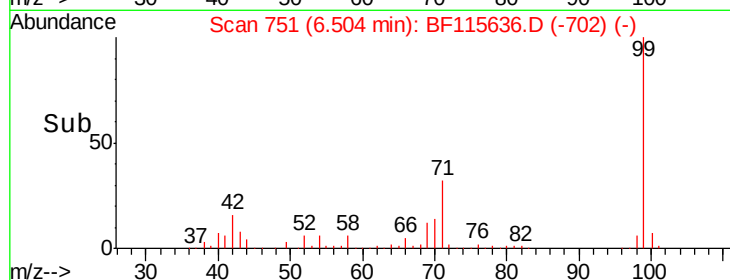
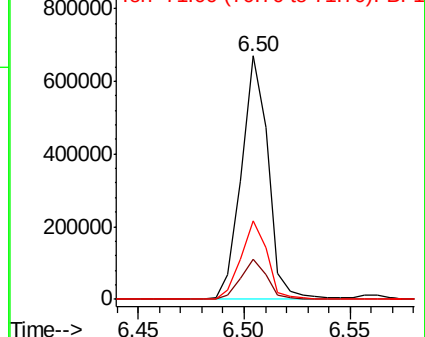
99 100

42 16.4 13.6 20.4

71 32.1 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: 4.757 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

Tgt Ion: 70 Resp: 44993

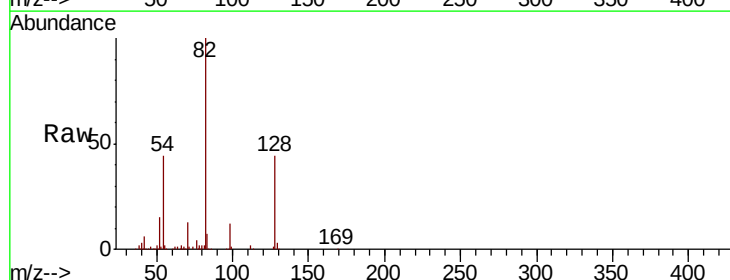
Ion Ratio Lower Upper

70 100

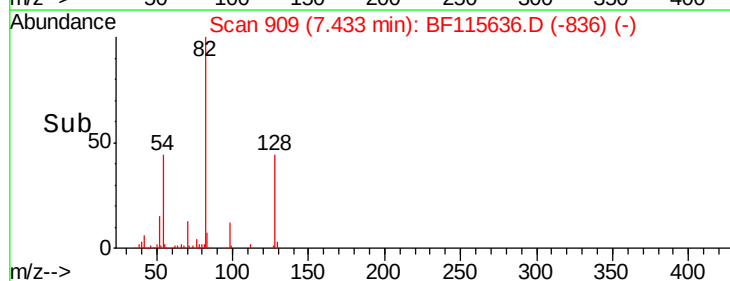
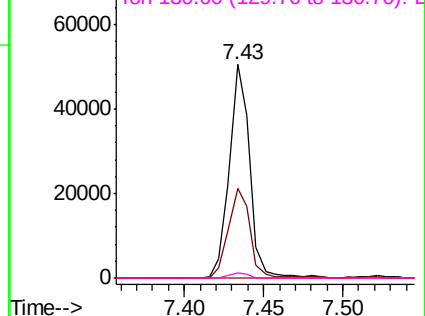
42 42.0 39.6 59.4

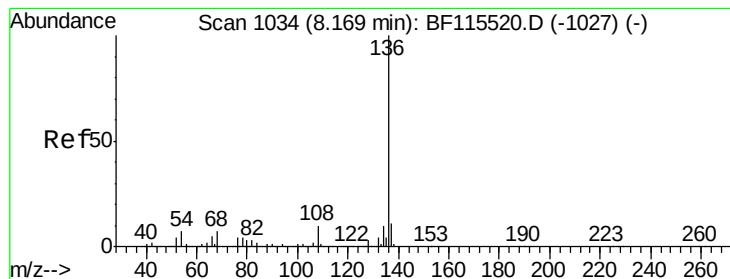
101 0.0 8.1 12.1#

130 2.2 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: BF115636.D

Acq: 17 Jul 2019 21:39

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

Tgt Ion: 136 Resp: 720260

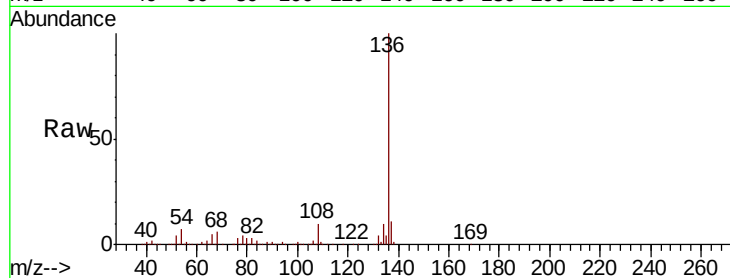
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 6.9 5.6 8.4

68 6.2 5.0 7.6

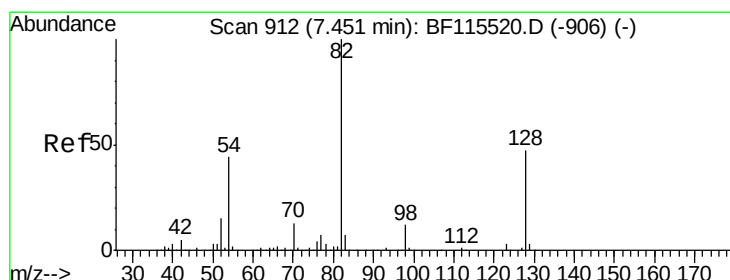
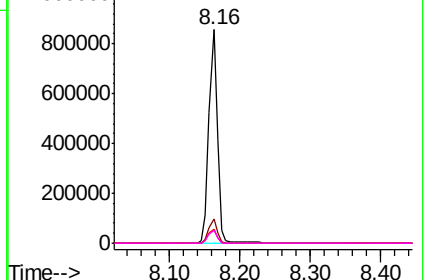
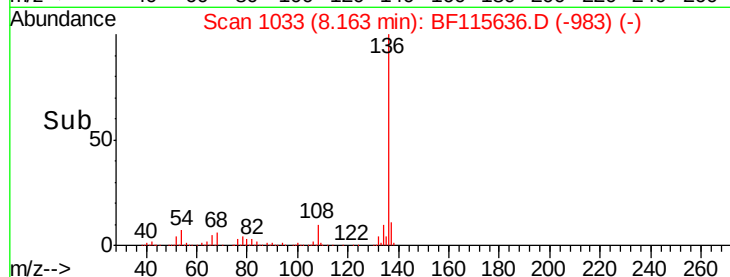


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.892 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

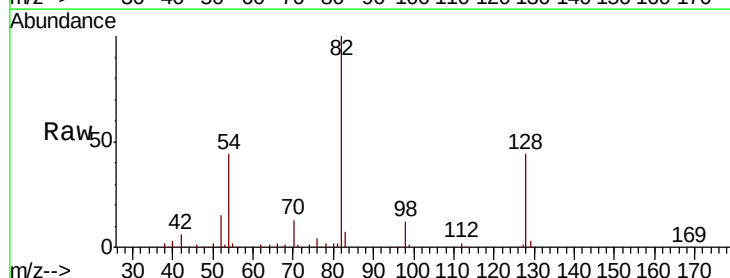
Tgt Ion: 82 Resp: 345499

Ion Ratio Lower Upper

82 100

128 44.3 38.6 57.8

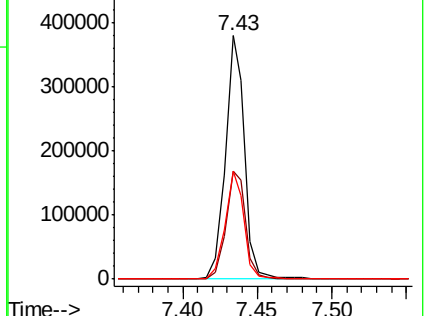
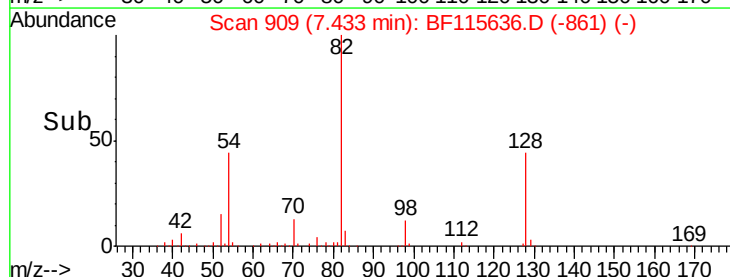
54 44.1 35.6 53.4

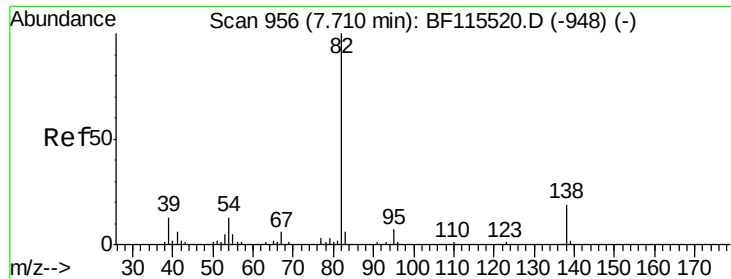


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.714 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

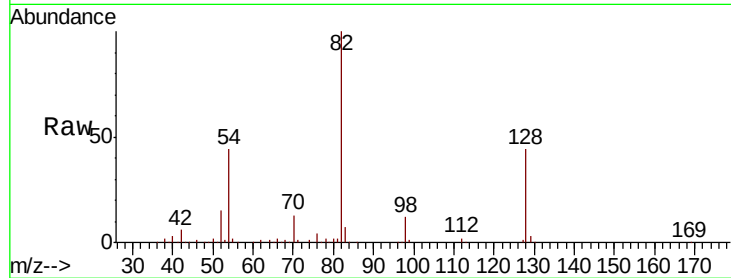
Tgt Ion: 82 Resp: 339923

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

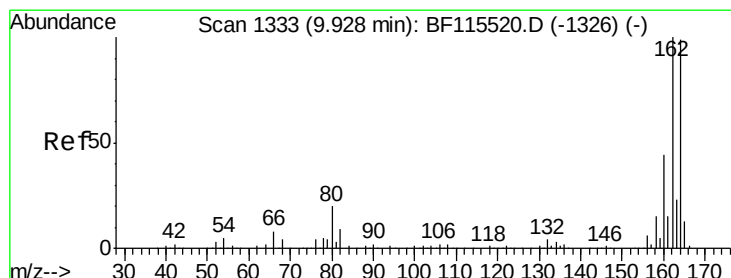
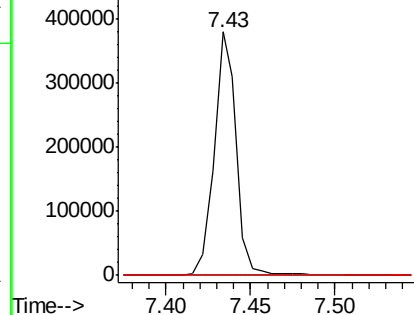
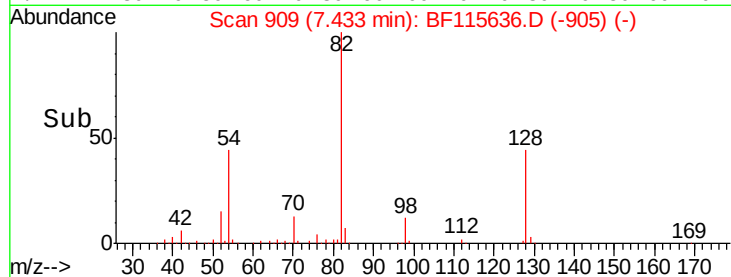
138 0.0 14.9 22.3#



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: BF115636.D

Acq: 17 Jul 2019 21:39

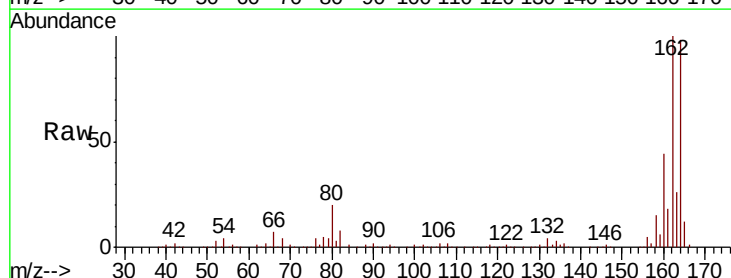
Tgt Ion: 164 Resp: 285955

Ion Ratio Lower Upper

164 100

162 102.0 82.9 124.3

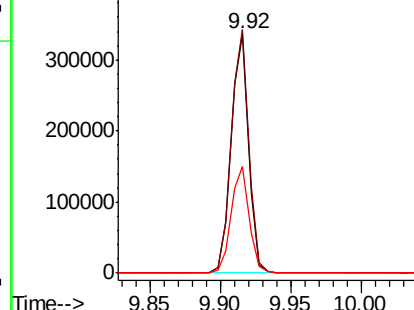
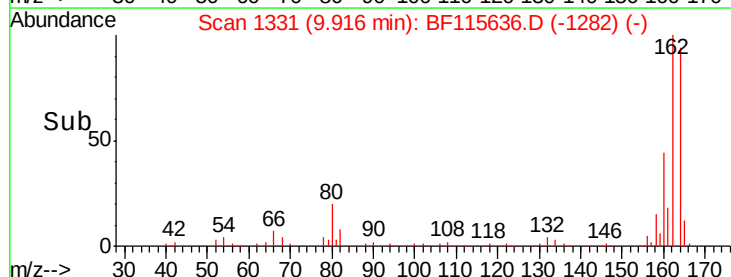
160 44.7 36.8 55.2

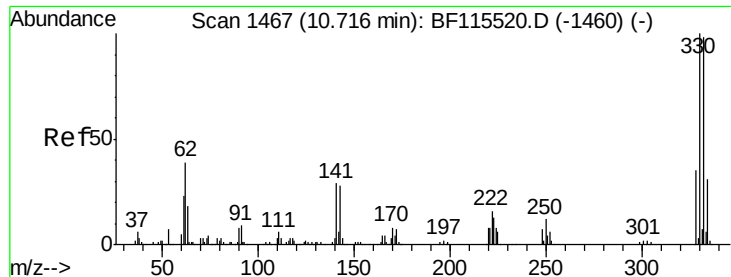


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 31.310 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

Instrument :

BNA_F

ClientSampleId :

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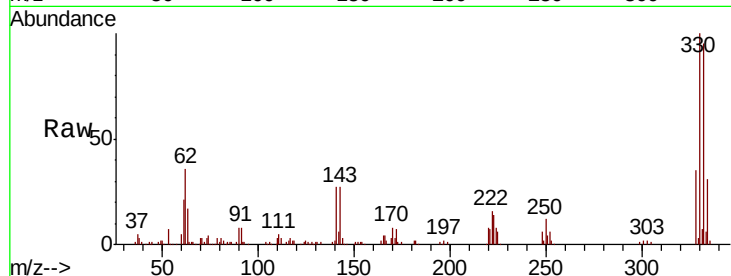
Tgt Ion:330 Resp: 104506

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

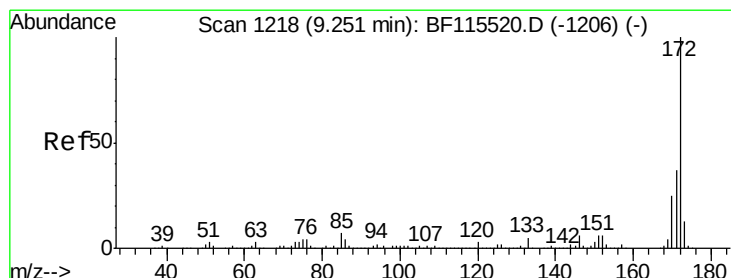
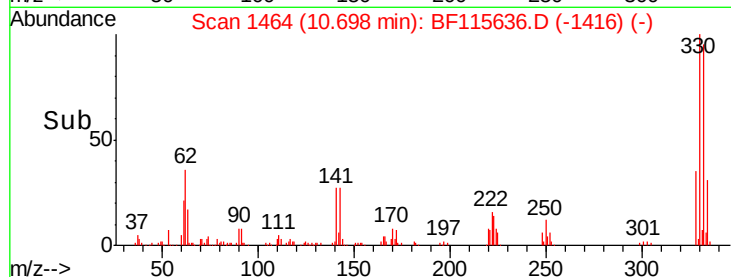
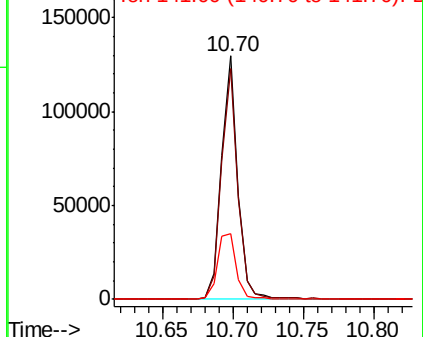
141 31.3 22.4 33.6



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: 40.505 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

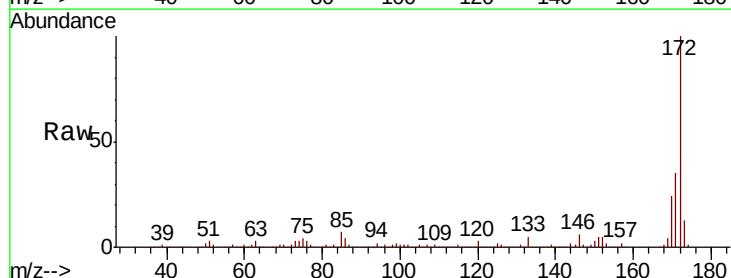
Tgt Ion:172 Resp: 661761

Ion Ratio Lower Upper

172 100

171 35.4 30.6 46.0

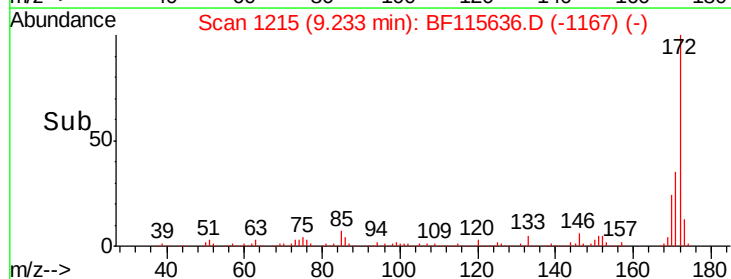
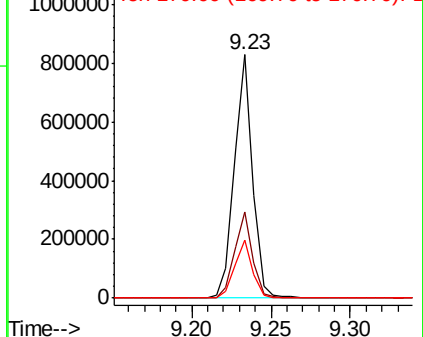
170 23.8 20.5 30.7

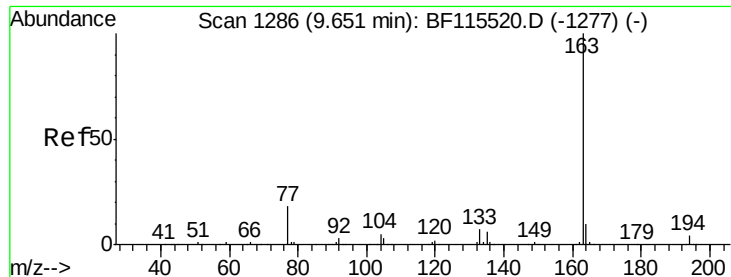


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

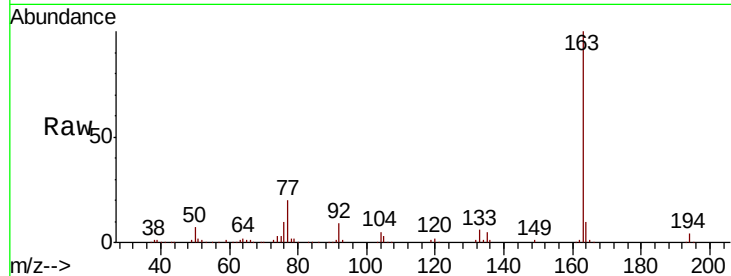




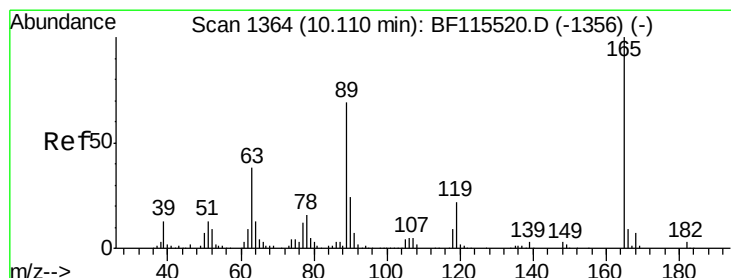
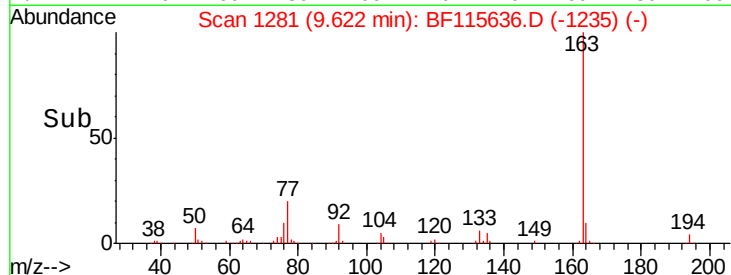
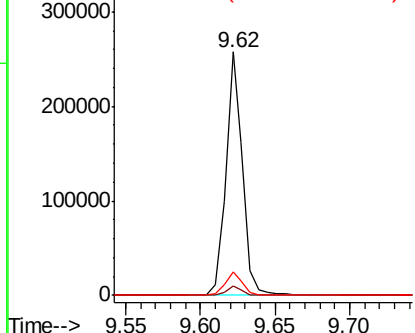
#50
Dimethylphthalate
Concen: 9.410 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

Tgt Ion:163 Resp: 202452
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.8 8.7 13.1

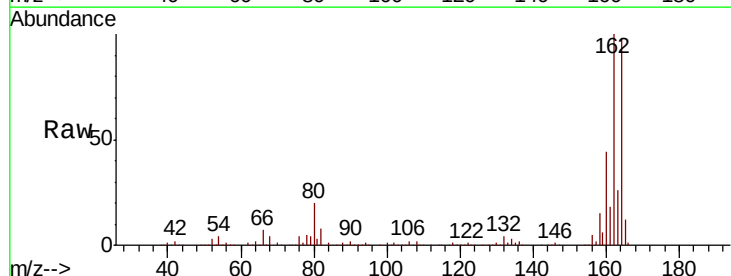


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

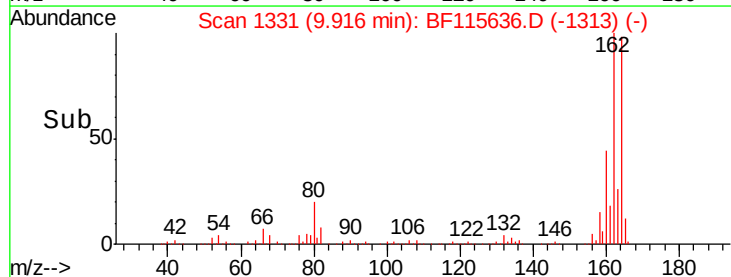
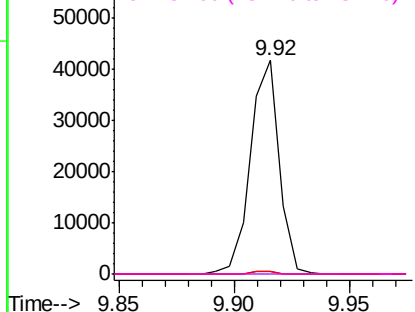


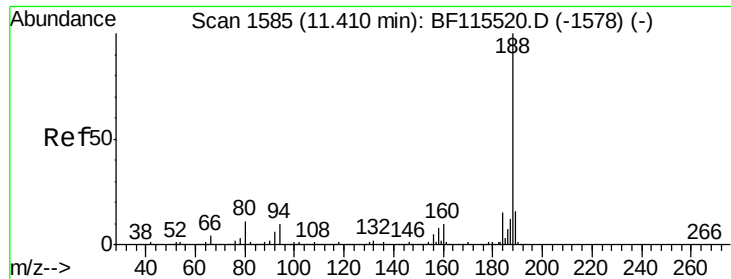
#57
2,4-Dinitrotoluene
Concen: 5.743 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Tgt Ion:165 Resp: 36377
Ion Ratio Lower Upper
165 100
63 1.5 34.9 52.3#
89 1.4 57.5 86.3#
182 0.0 2.2 3.4#



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
Ion 182.00 (181.70 to 182.70): E

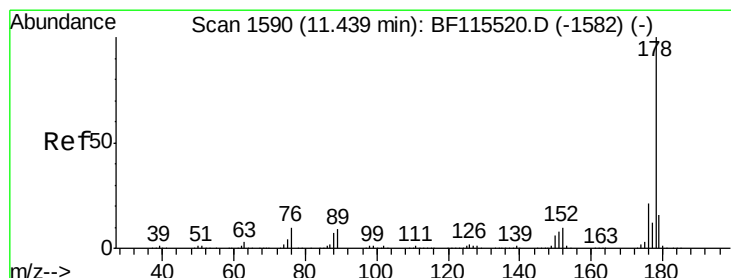
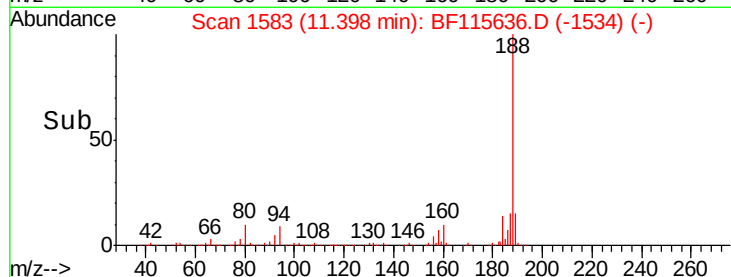
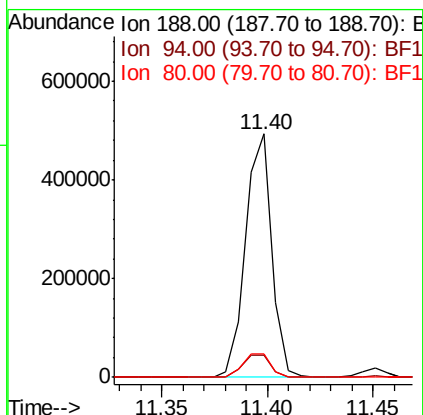
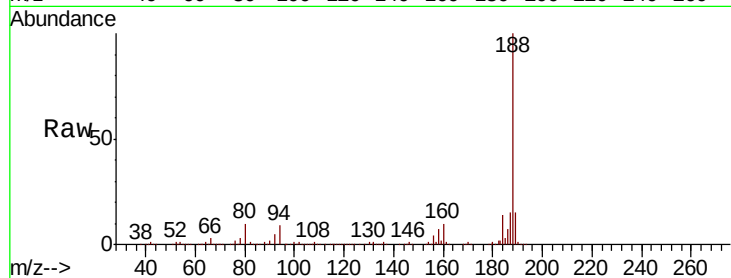




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

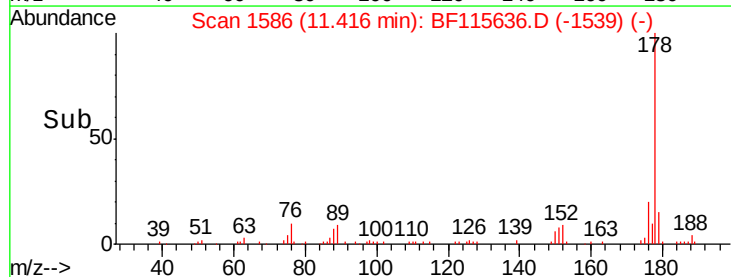
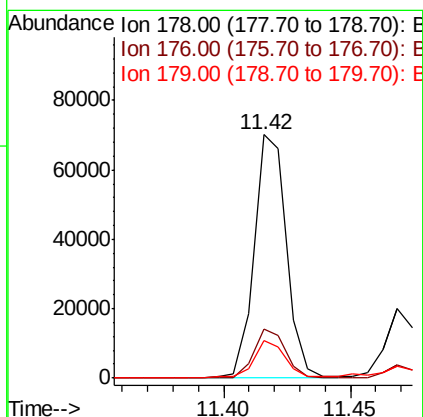
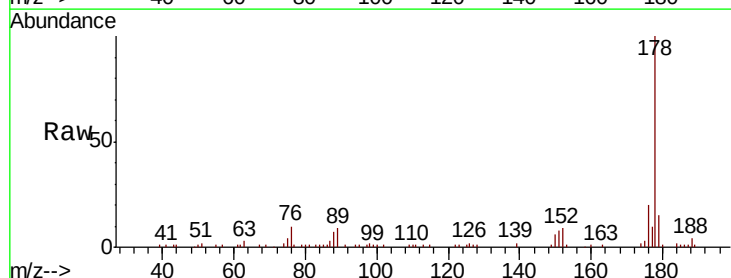
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

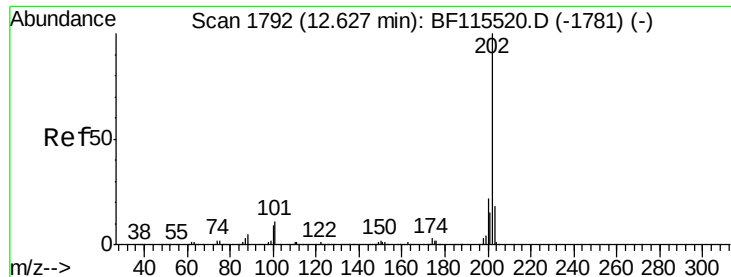
Tgt Ion:188 Resp: 425578
Ion Ratio Lower Upper
188 100
94 9.0 7.8 11.6
80 9.5 8.6 13.0



#71
Phenanthrene
Concen: 2.866 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Tgt Ion:178 Resp: 62518
Ion Ratio Lower Upper
178 100
176 20.0 17.2 25.8
179 15.4 13.5 20.3





#75

Fluoranthene

Concen: 5.939 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

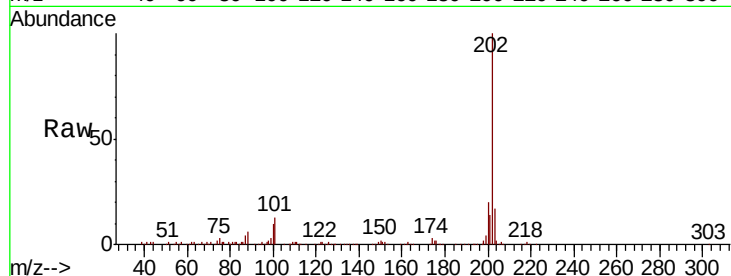
Tgt Ion:202 Resp: 136913

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.4

203 16.5 0.0 38.1

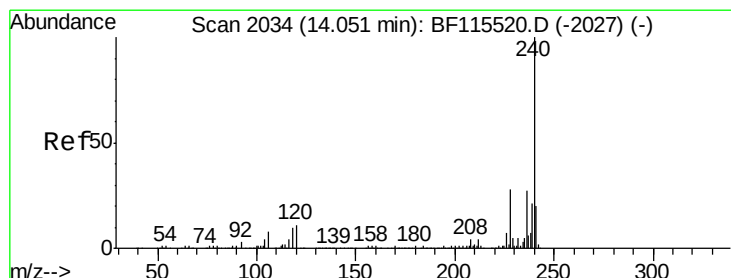
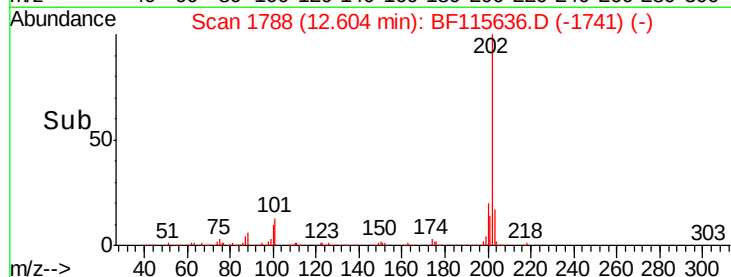
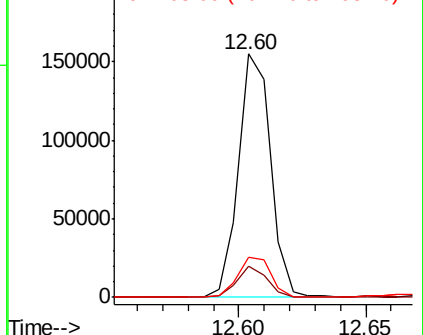


Abundance

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: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

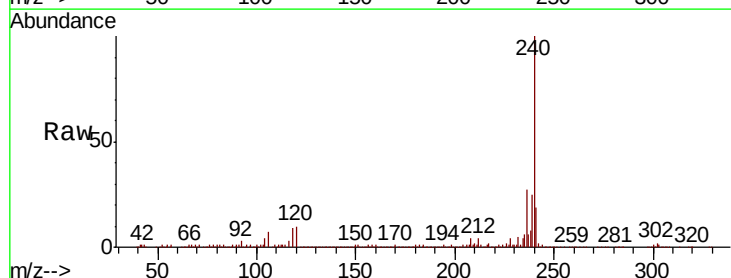
Tgt Ion:240 Resp: 319414

Ion Ratio Lower Upper

240 100

120 10.0 8.6 13.0

236 27.4 21.3 31.9

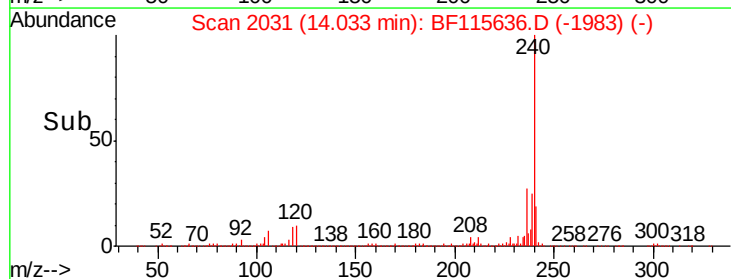
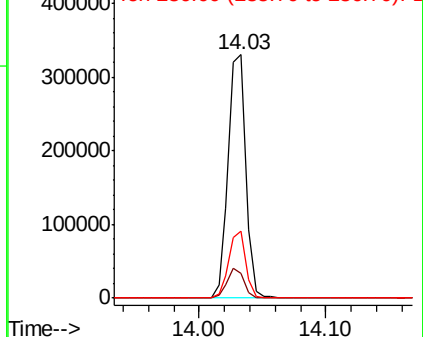


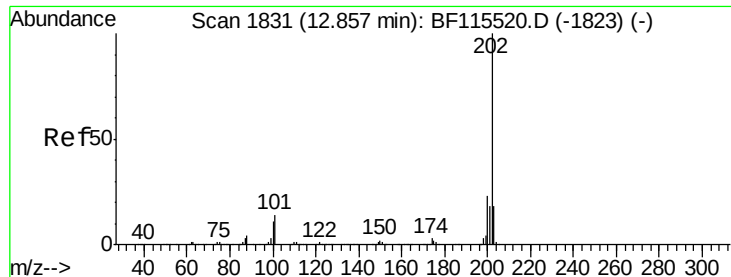
Abundance

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

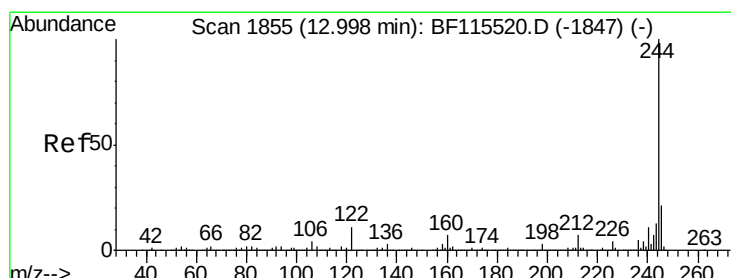
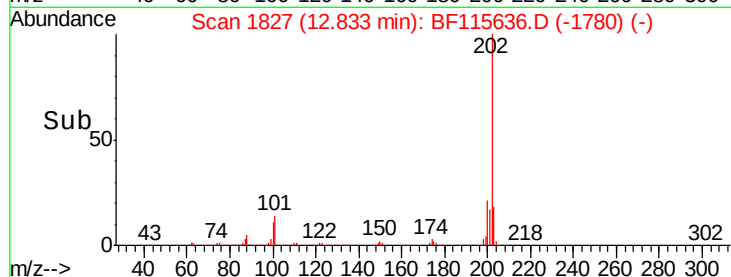
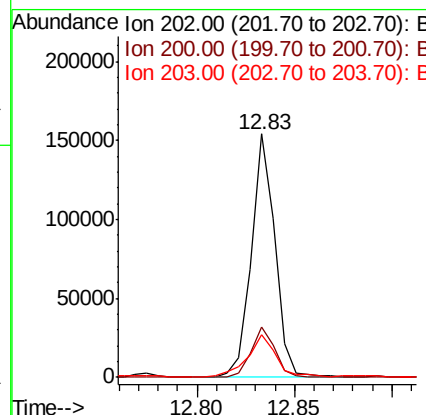
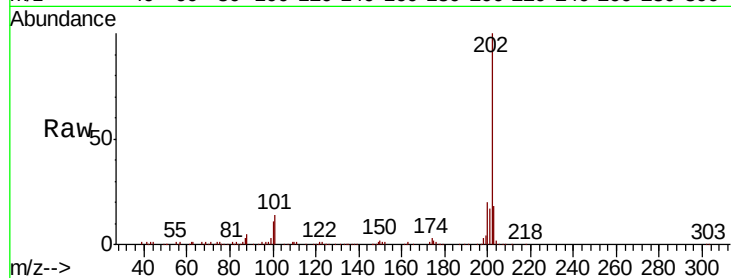




#78
 Pyrene
 Concen: 4.794 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF115636.D
 Acq: 17 Jul 2019 21:39

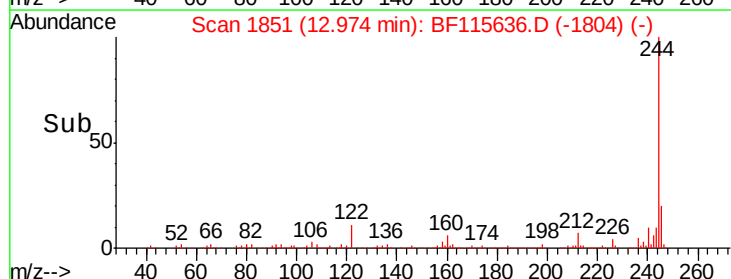
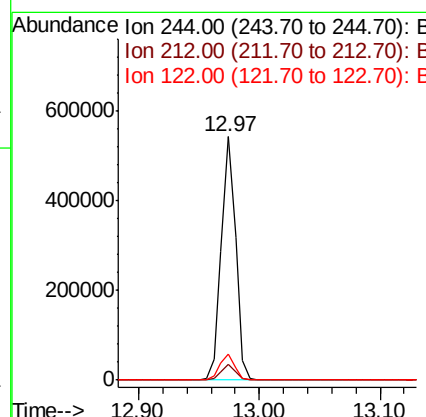
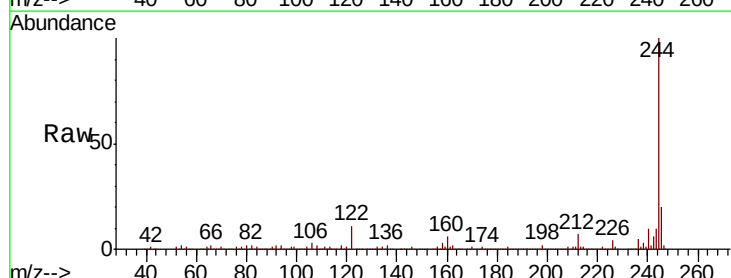
Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)

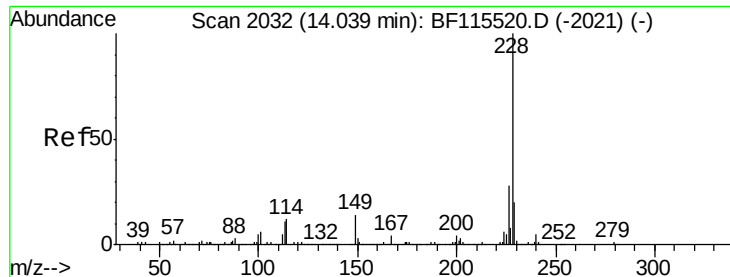
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.7	28.1
203	17.8	15.2	22.8



#79
 Terphenyl-d14
 Concen: 25.505 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BF115636.D
 Acq: 17 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	10.8	8.6	12.8

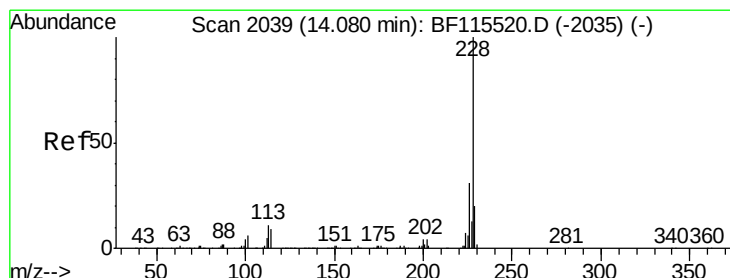
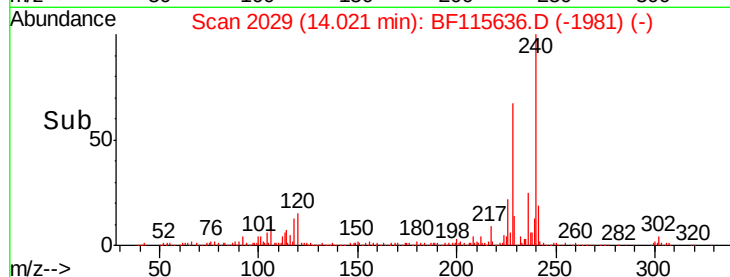
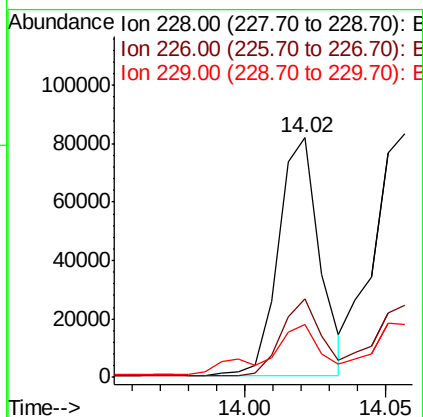
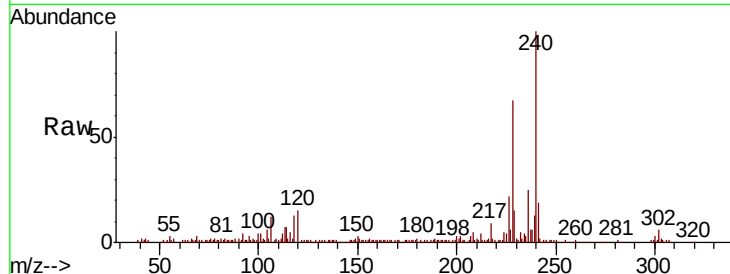




#81
Benzo(a)anthracene
Concen: 3.917 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

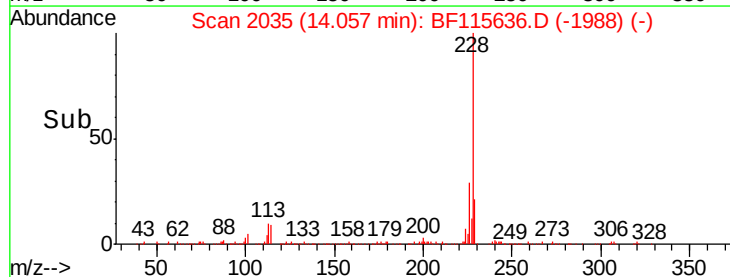
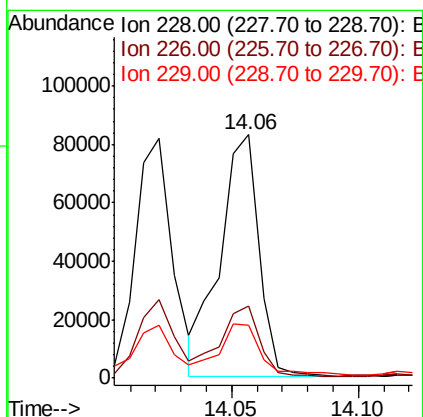
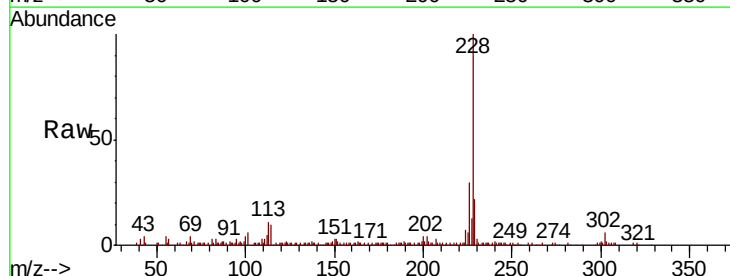
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

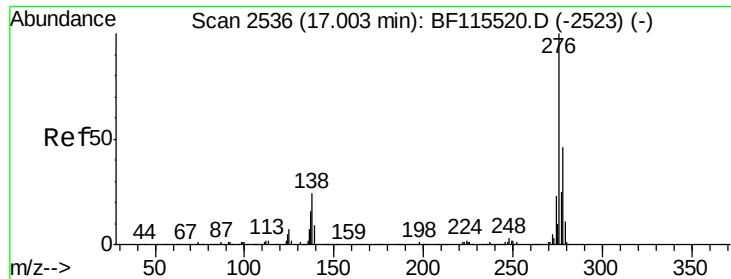
Tgt Ion:228 Resp: 82423
Ion Ratio Lower Upper
228 100
226 33.0 23.4 35.0
229 22.0 17.2 25.8



#83
Chrysene
Concen: 4.179 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Tgt Ion:228 Resp: 88272
Ion Ratio Lower Upper
228 100
226 29.7 25.7 38.5
229 21.8 16.6 25.0

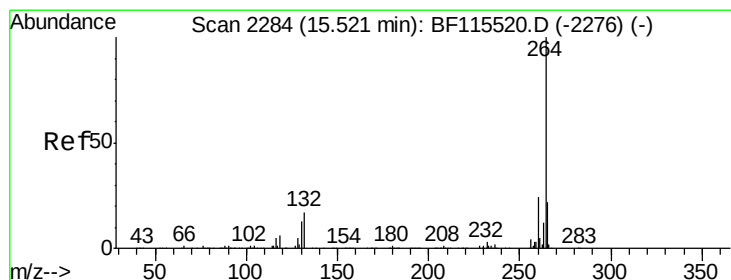
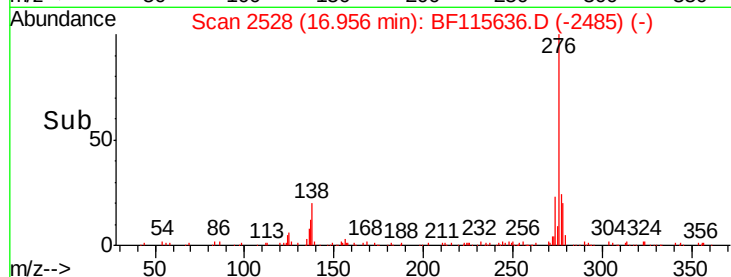
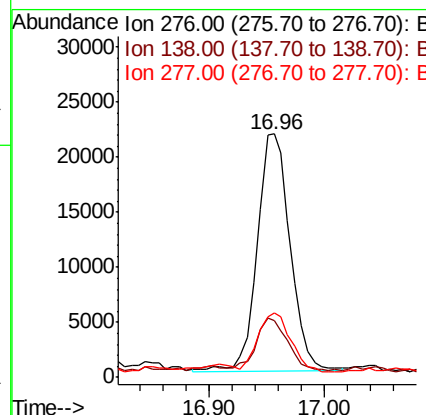
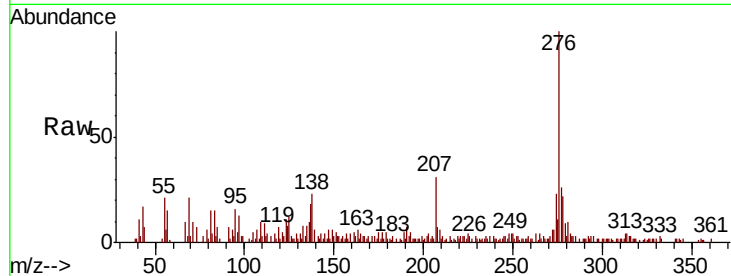




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.391 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.05 min
 Lab File: BF115636.D
 Acq: 17 Jul 2019 21:39

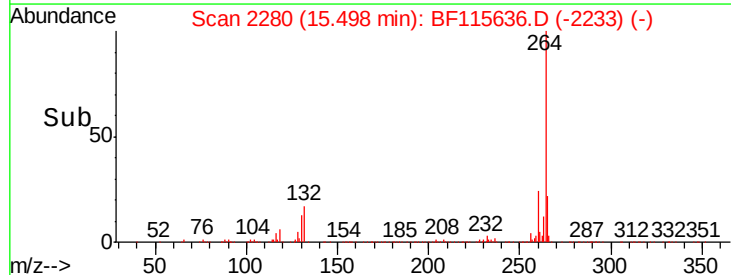
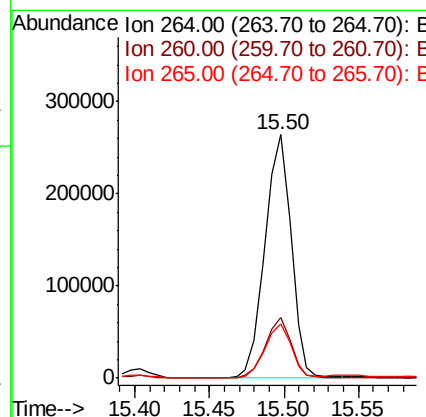
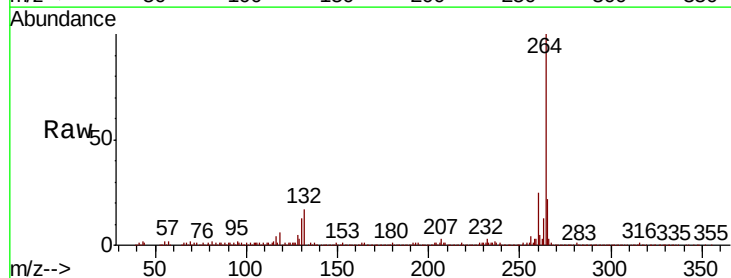
Instrument :
 BNA_F
 ClientSampleId :
 SB-7(0-2)

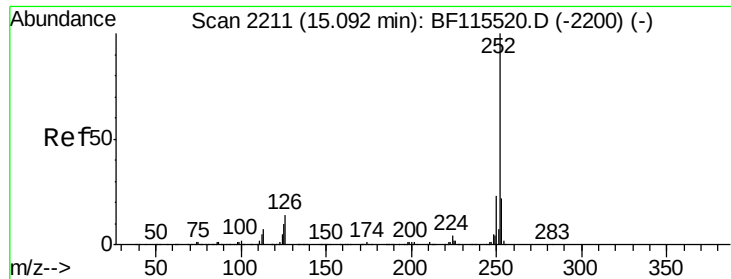
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.2	30.2
277	25.1	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.02 min
 Lab File: BF115636.D
 Acq: 17 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	22.4	17.7	26.5

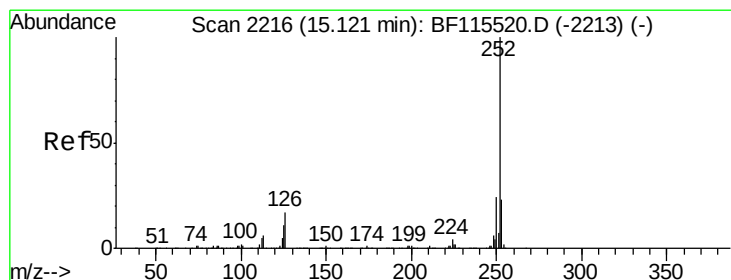
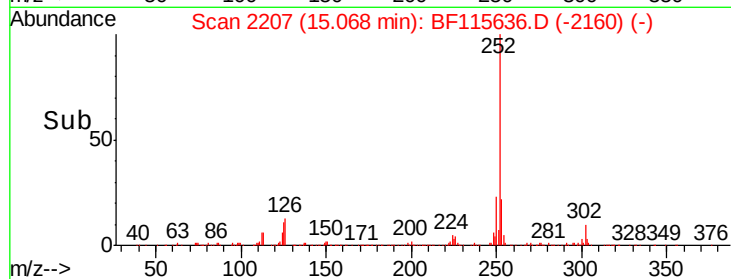
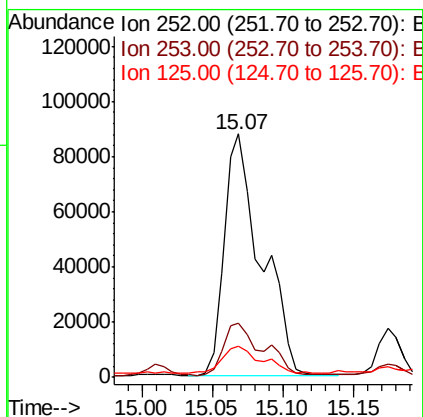
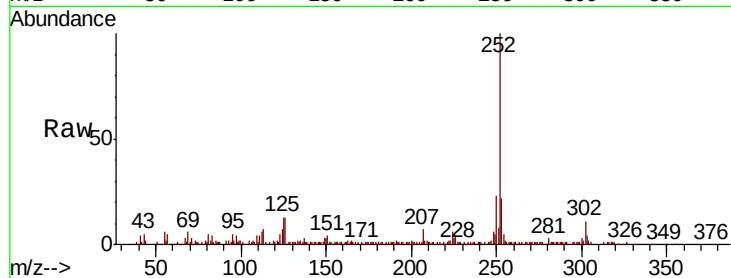




#88
Benzo(b)fluoranthene
Concen: 7.800 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

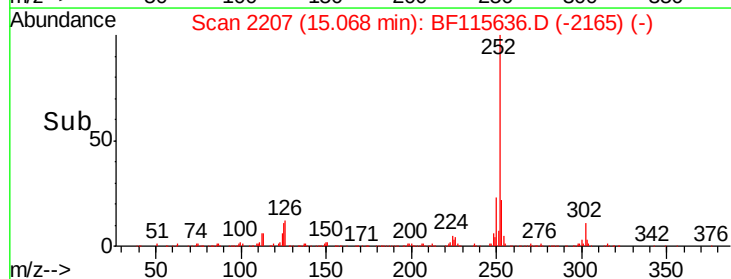
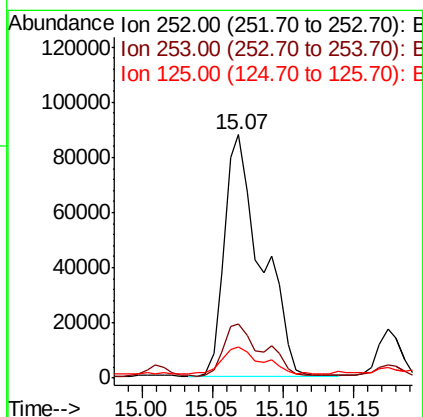
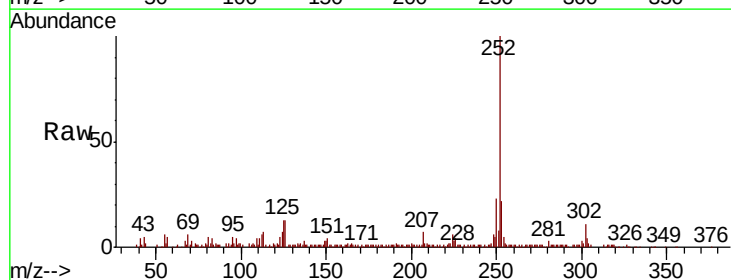
Instrument :
BNA_F
ClientSampleId :
SB-7(0-2)

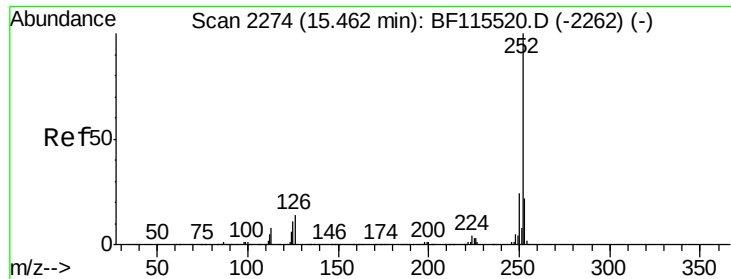
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.6	9.0	13.4



#89
Benzo(k)fluoranthene
Concen: 8.749 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF115636.D
Acq: 17 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.6	28.0
125	12.6	9.0	13.6





#90

Benzo(a)pyrene

Concen: 4.142 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.03 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

Instrument :

BNA_F

ClientSampleId :

SB-7(0-2)

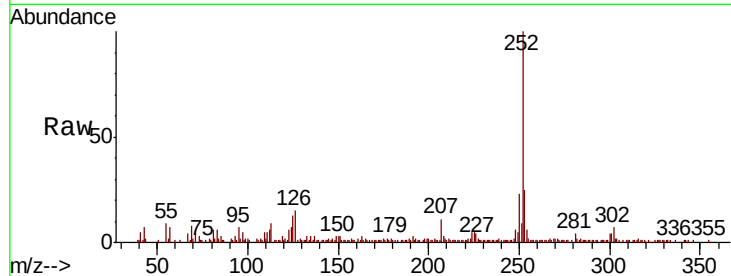
Tgt Ion:252 Resp: 73194

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 12.5 9.1 13.7

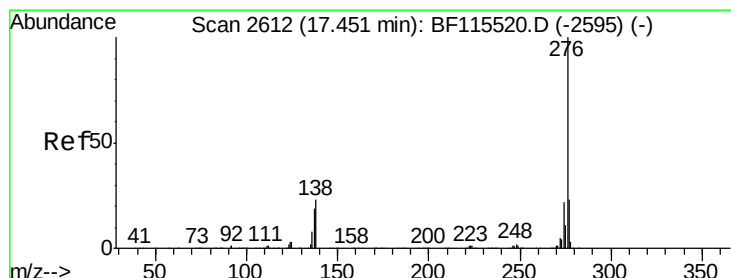
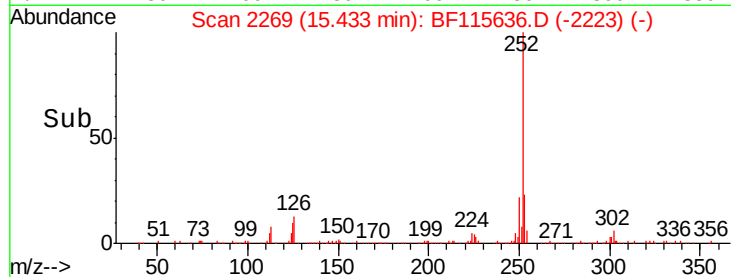
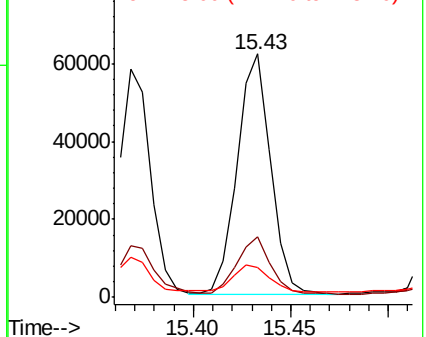


Abundance

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: 3.229 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.05 min

Lab File: BF115636.D

Acq: 17 Jul 2019 21:39

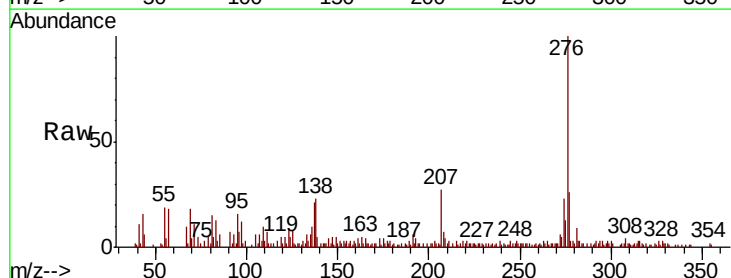
Tgt Ion:276 Resp: 49948

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.4

138 23.2 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

