

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113921.D
 Acq On : 23 Apr 2019 15:40
 Operator : JU/SJ
 Sample : K2193-11RE 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 23 16:08:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

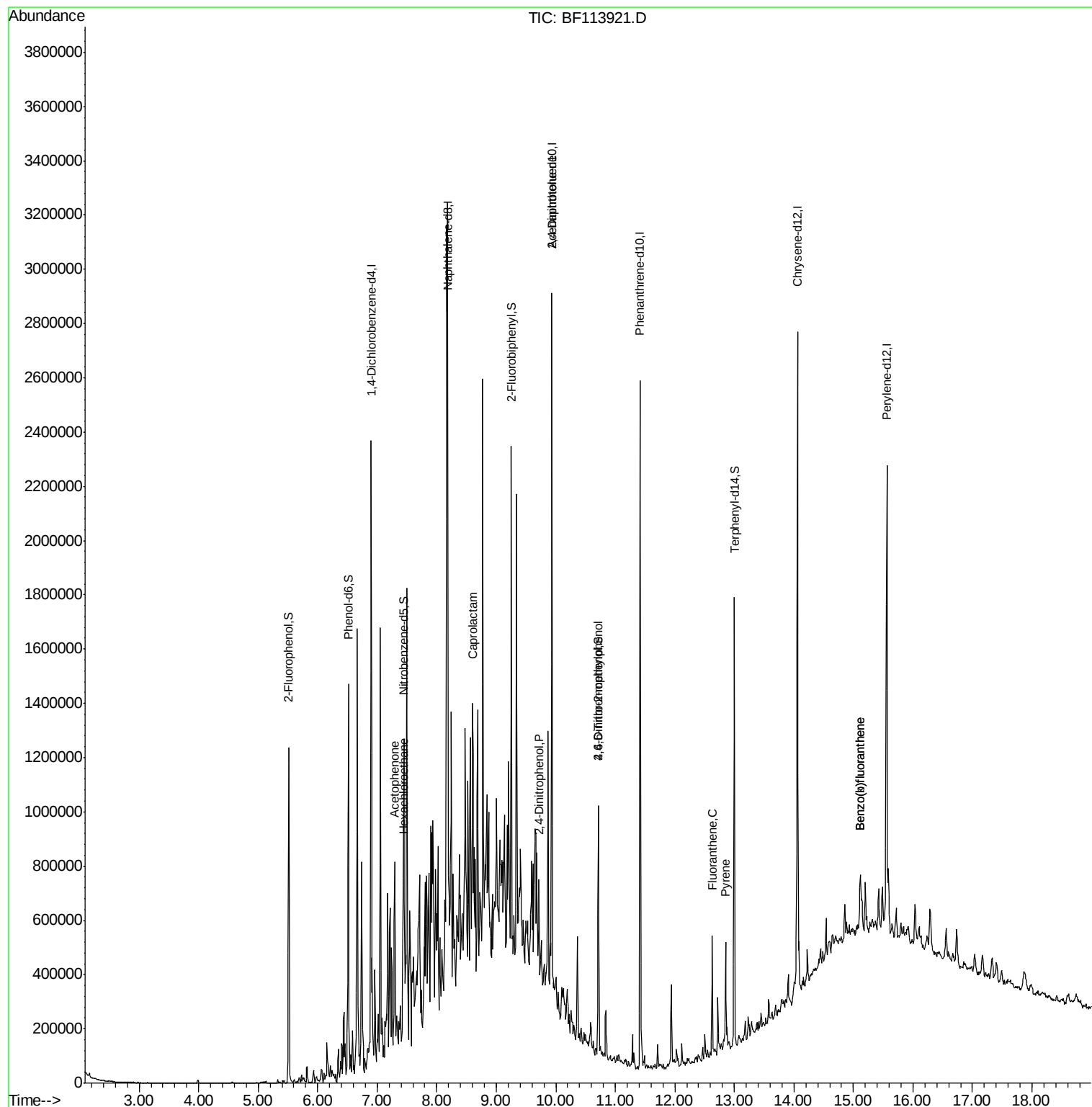
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	315027	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1121007	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	546847	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	935539	20.00	ng	0.00
76) Chrysene-d12	14.06	240	886702	20.00	ng	0.00
87) Perylene-d12	15.56	264	945279	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	381680	20.72	ng	0.00
7) Phenol-d6	6.52	99	504470	21.83	ng	0.00
23) Nitrobenzene-d5	7.45	82	301943	16.63	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	119987	18.01	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	541567	15.49	ng	0.00
79) Terphenyl-d14	13.00	244	539164	12.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.66	77	11857	Below Cal		86
18) Hexachloroethane	7.43	117	24667	2.937 ng	#	1
22) Acetophenone	7.29	105	70322	2.819 ng	#	42
35) Caprolactam	8.61	113	20855	3.845 ng	#	23
54) 2,4-Dinitrophenol	9.72	184	385	8.413 ng	#	38
57) 2,4-Dinitrotoluene	9.93	165	75443	7.044 ng	#	30
65) 4,6-Dinitro-2-methylphenol	10.72	198	113	7.330 ng	#	1
75) Fluoranthene	12.63	202	165240	3.221 ng		97
78) Pyrene	12.86	202	153255	2.472 ng		98
88) Benzo(b)fluoranthene	15.12	252	159137	2.661 ng	#	89
89) Benzo(k)fluoranthene	15.12	252	159137	3.093 ng	#	91

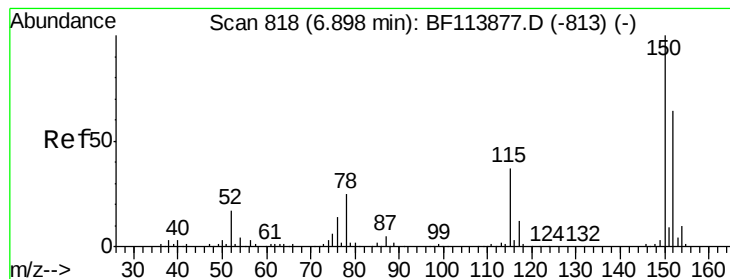
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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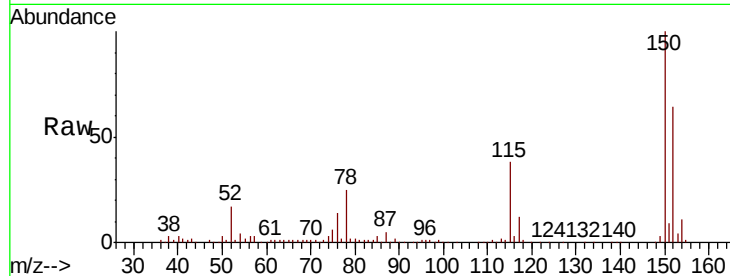




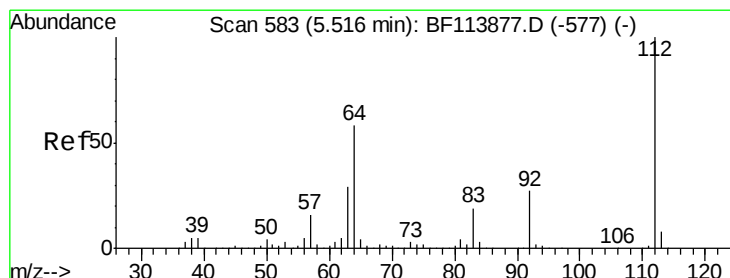
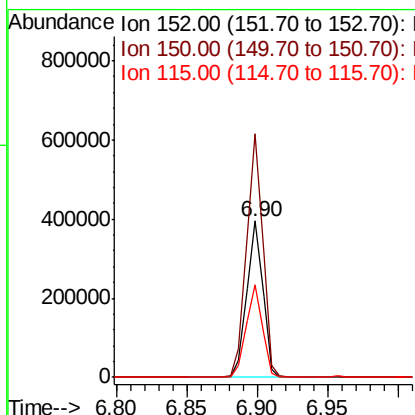
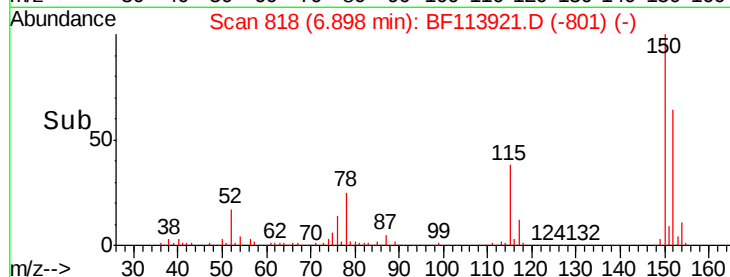
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113921.D
 Acq: 23 Apr 2019 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 315027
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.9 188.9
 115 59.5 45.9 68.9

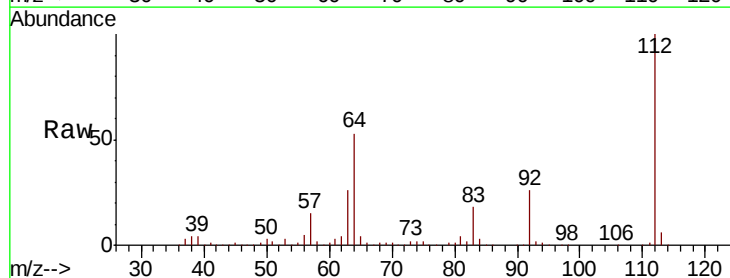


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

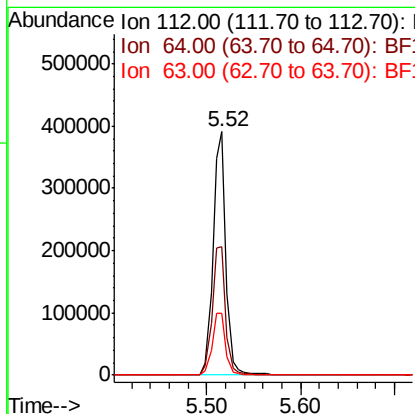
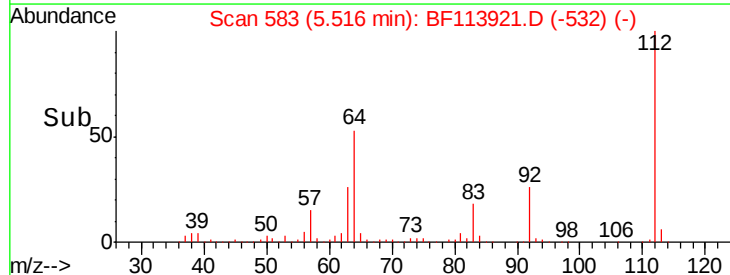


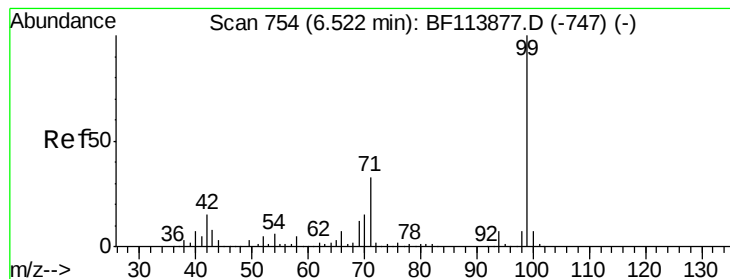
#5
 2-Fluorophenol
 Concen: 20.722 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF113921.D
 Acq: 23 Apr 2019 15:40

Tgt Ion:112 Resp: 381680
 Ion Ratio Lower Upper
 112 100
 64 52.9 46.6 69.8
 63 25.7 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: 21.830 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Instrument :

BNA_F

ClientSampleId :

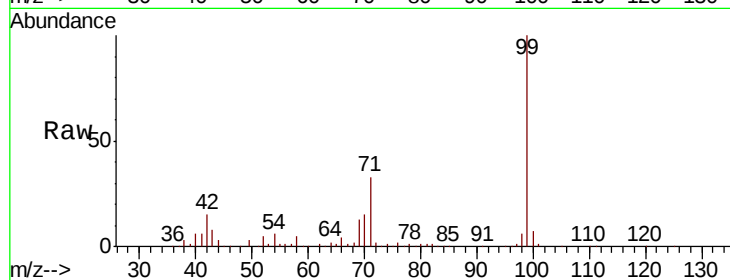
Tot Ion: 99 Resp: 504470

Ion Ratio Lower Upper

99 100

42 14.8 12.5 18.7

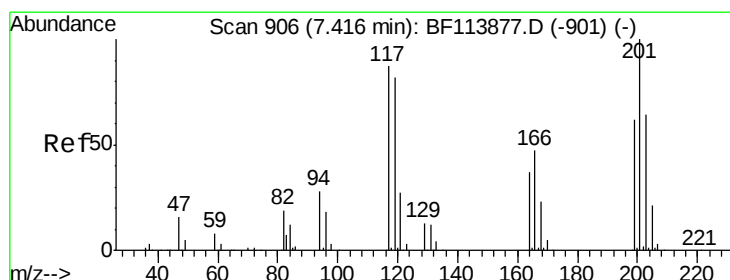
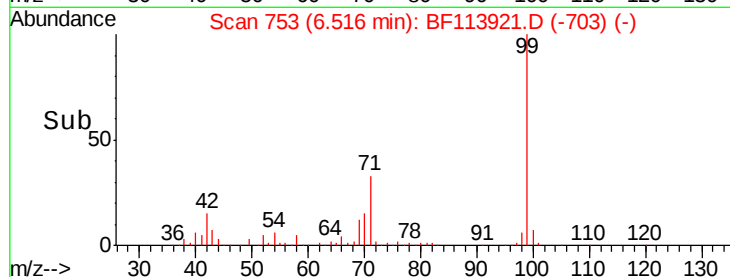
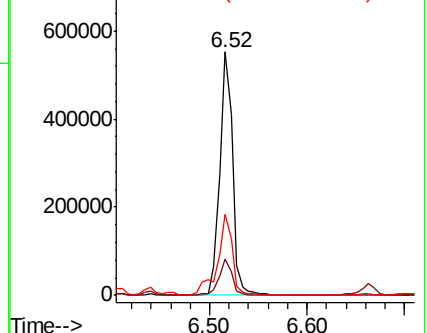
71 33.4 26.9 40.3



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: 2.937 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.02 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

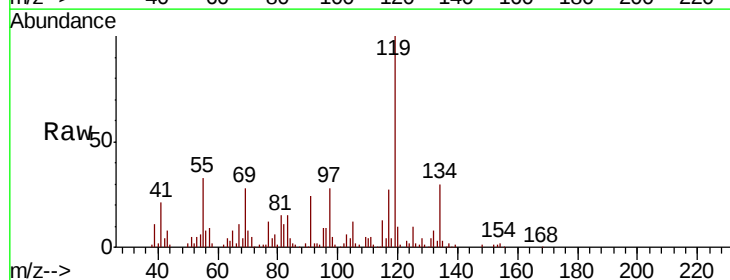
Tgt Ion: 117 Resp: 24667

Ion Ratio Lower Upper

117 100

119 370.2 74.4 111.6#

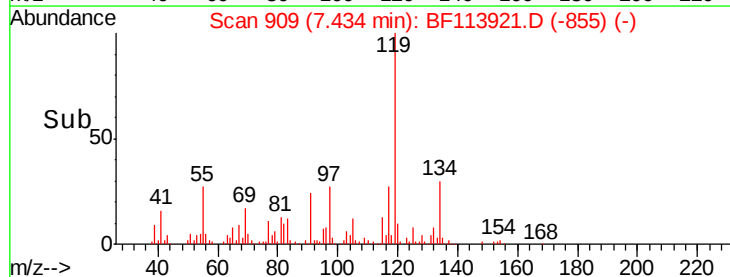
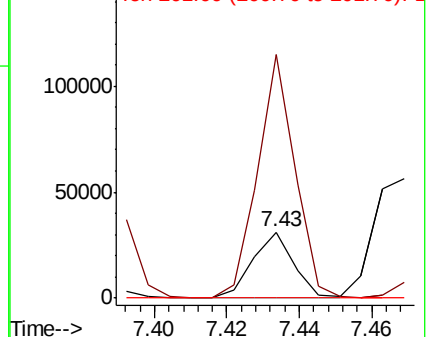
201 0.0 90.2 135.2#

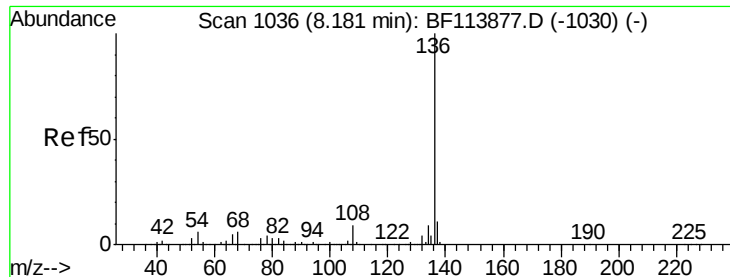


Abundance Ion 117.00 (116.70 to 117.70): E

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: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1121007

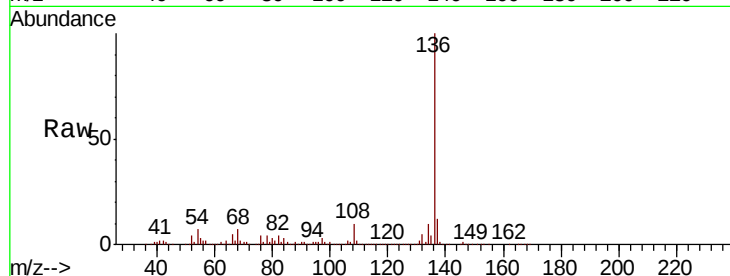
Ion Ratio Lower Upper

136 100

137 11.6 8.6 12.8

54 6.9 5.0 7.6

68 6.9 4.9 7.3

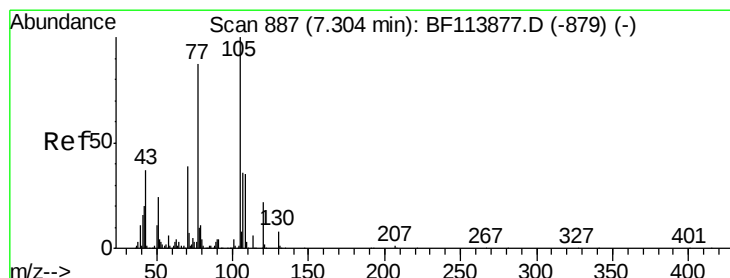
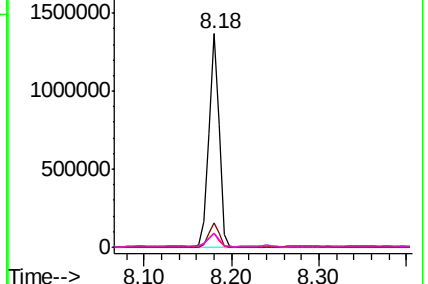
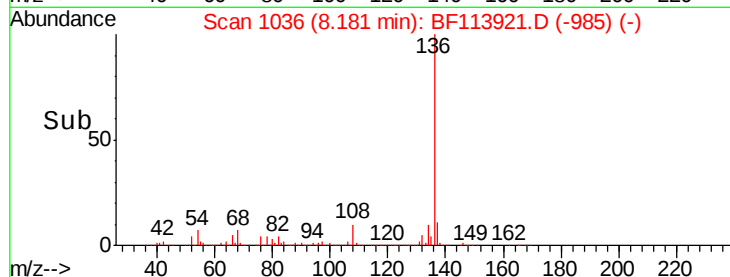


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.819 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Tgt Ion:105 Resp: 70322

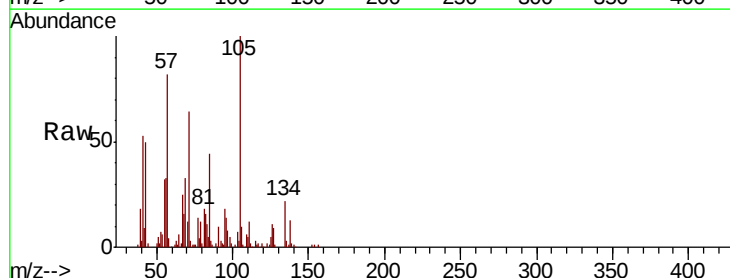
Ion Ratio Lower Upper

105 100

71 64.3 6.1 9.1#

51 4.8 16.8 25.2#

120 0.4 17.6 26.4#

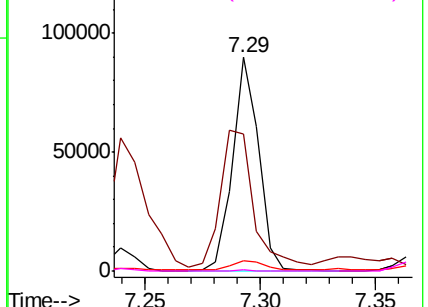
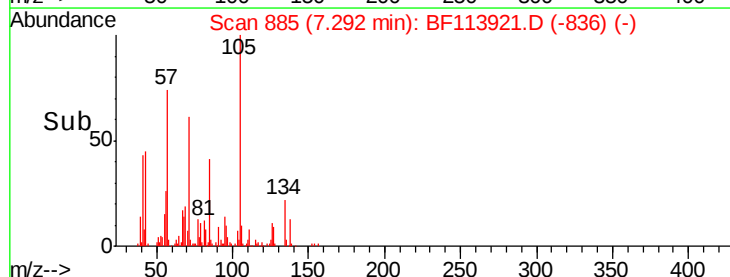


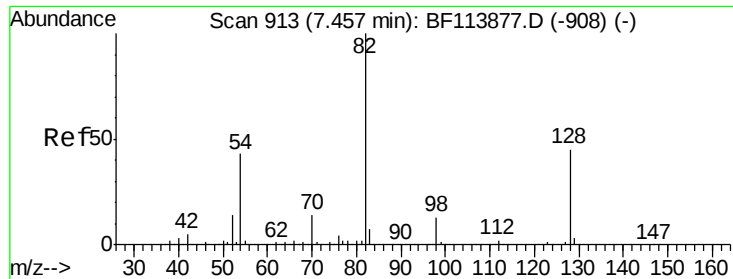
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

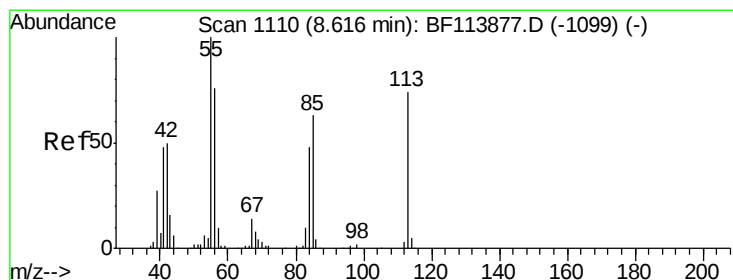
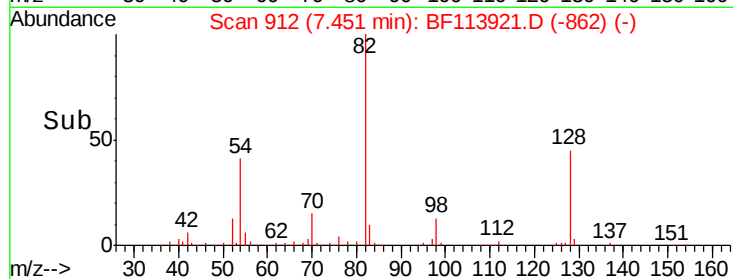
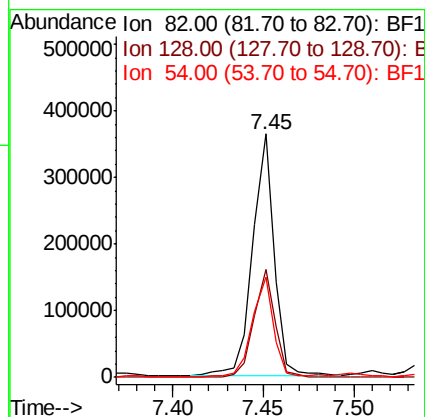
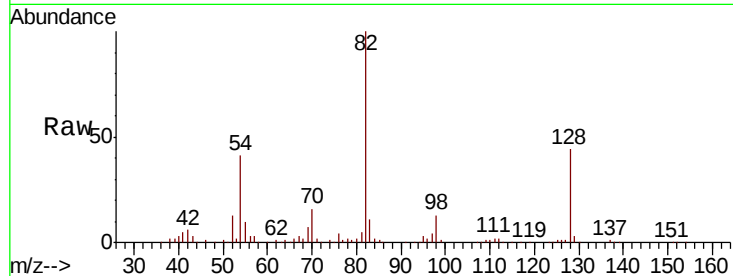




#23
 Nitrobenzene-d5
 Concen: 16.631 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113921.D
 Acq: 23 Apr 2019 15:40

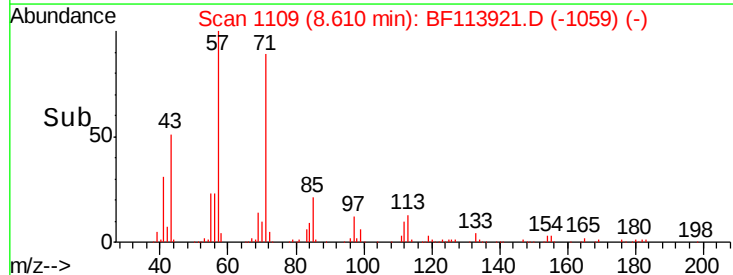
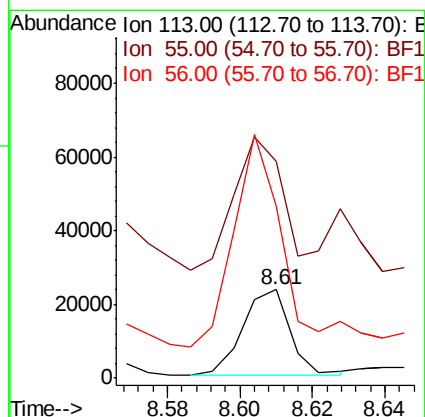
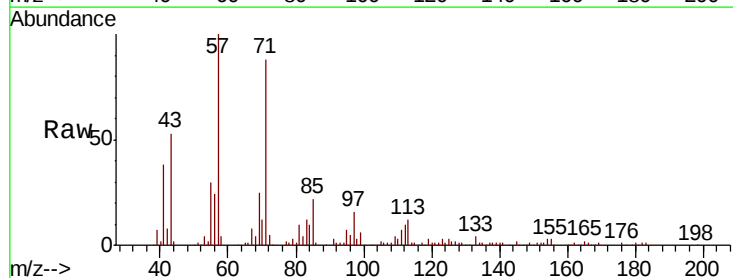
Instrument :
 BNA_F
 ClientSampled :

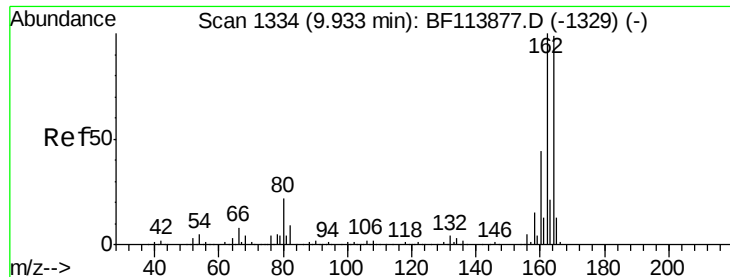
Tot Ion	82	Resp	301943
Ion Ratio	100	Lower	Upper
128	44.5	36.8	55.2
54	41.4	33.8	50.6



#35
 Caprolactam
 Concen: 3.845 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF113921.D
 Acq: 23 Apr 2019 15:40

Tgt Ion	113	Resp	20855
Ion Ratio	100	Lower	Upper
55	244.8	128.6	168.6#
56	194.3	91.9	131.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Instrument :

BNA_F

ClientSampleId :

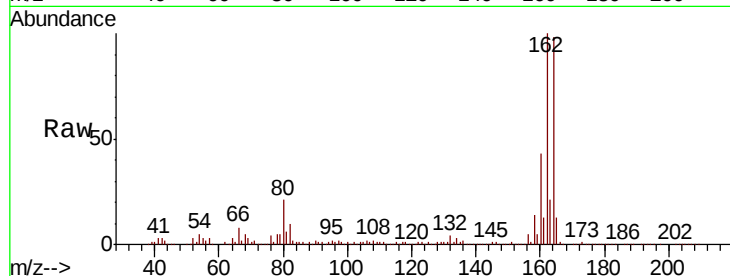
Tot Ion:164 Resp: 546847

Ion Ratio Lower Upper

164 100

162 101.5 81.1 121.7

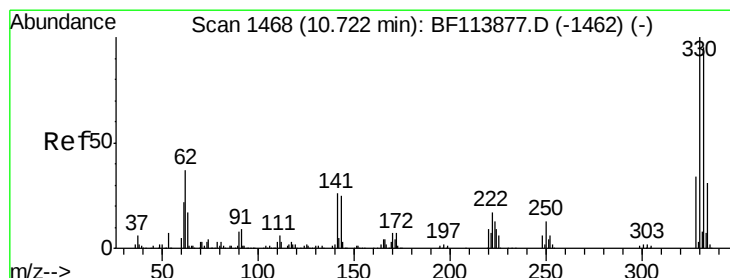
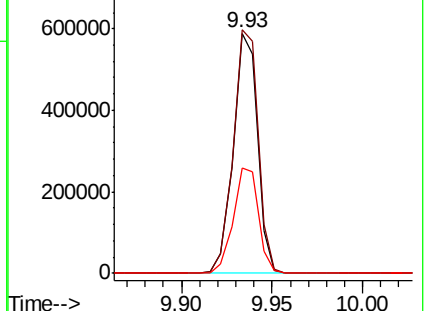
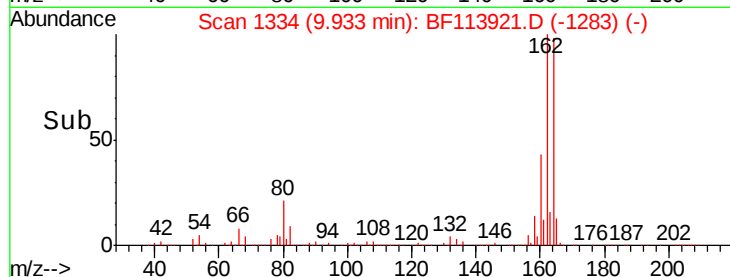
160 44.1 35.8 53.6



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: 18.011 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

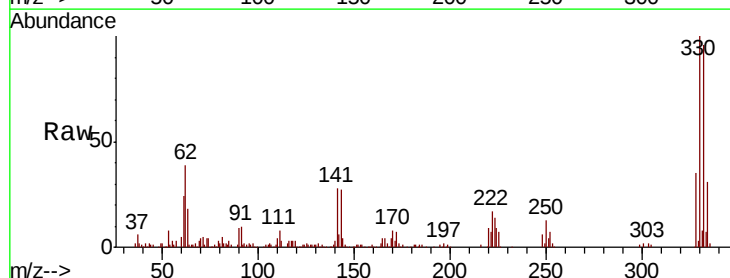
Tgt Ion:330 Resp: 119987

Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

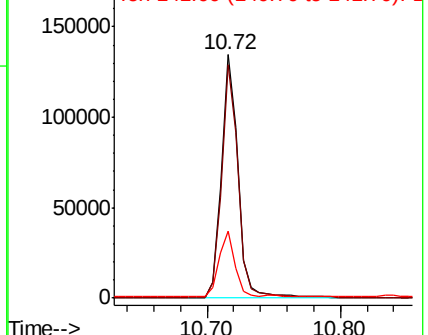
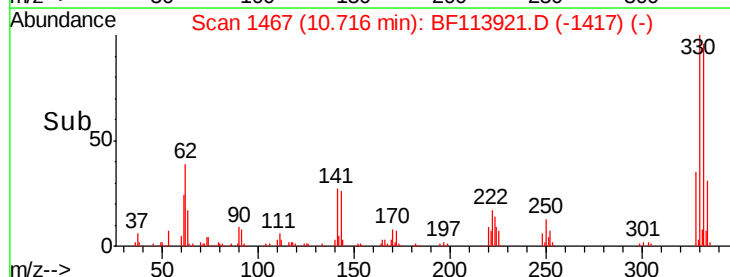
141 26.3 22.2 33.2

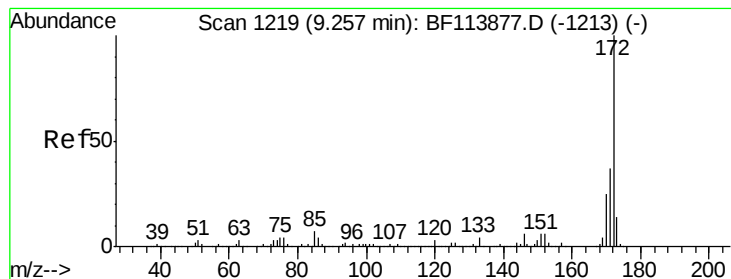


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 15.489 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Instrument :

BNA_F

ClientSampleId :

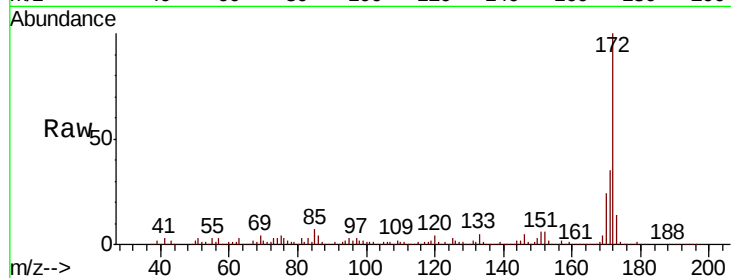
Tot Ion:172 Resp: 541567

Ion Ratio Lower Upper

172 100

171 35.5 29.4 44.0

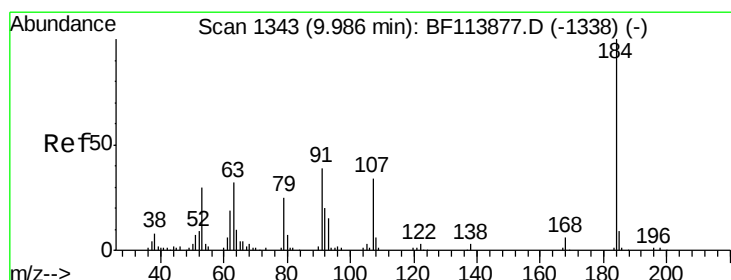
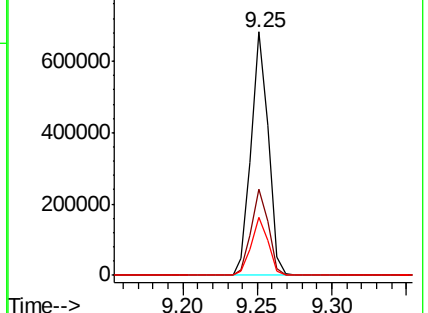
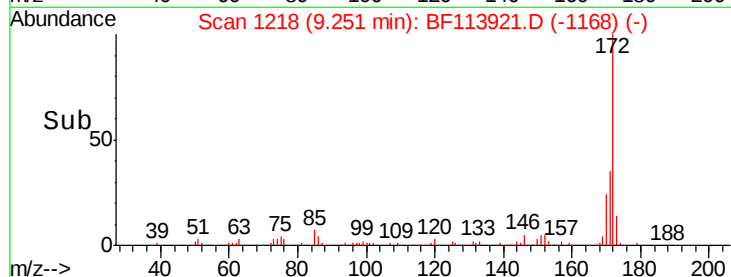
170 24.0 19.9 29.9



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: 8.413 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.27 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

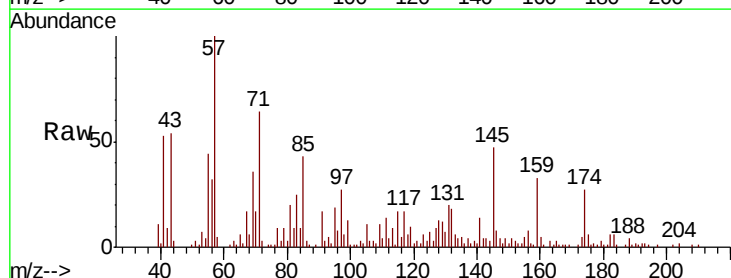
Tgt Ion:184 Resp: 385

Ion Ratio Lower Upper

184 100

63 282.5 54.6 81.8#

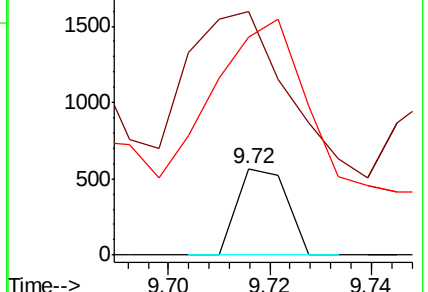
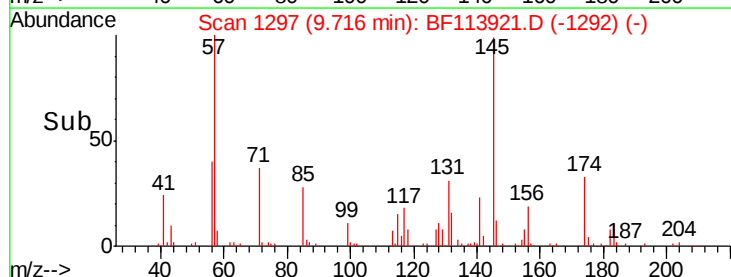
154 252.4 218.6 328.0

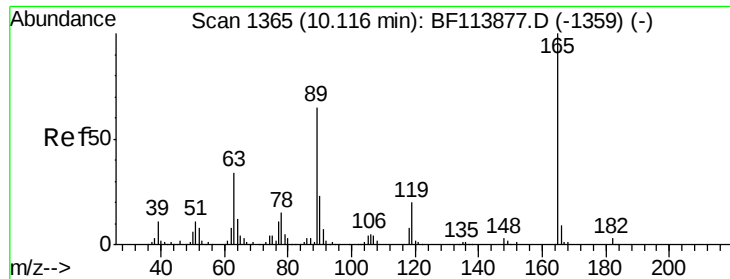


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

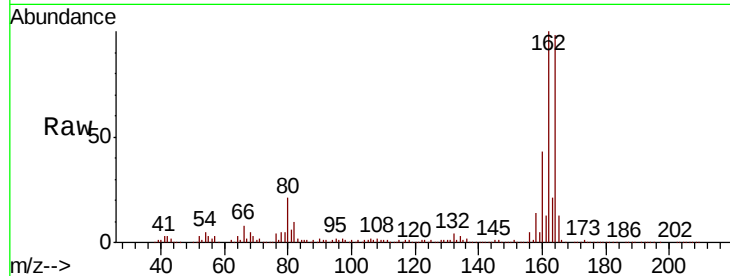




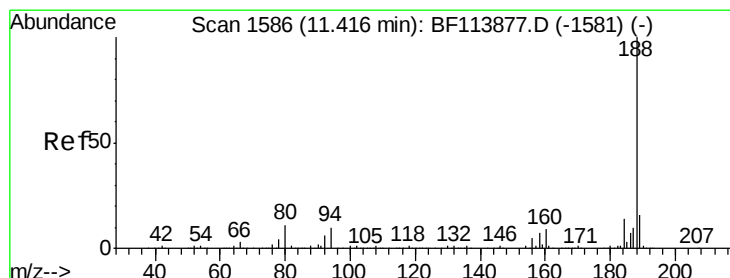
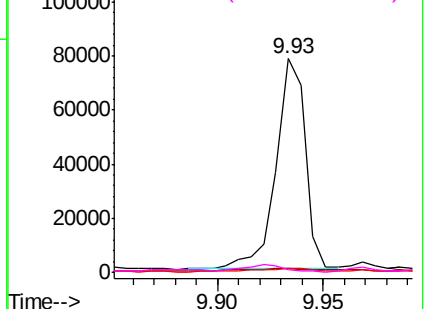
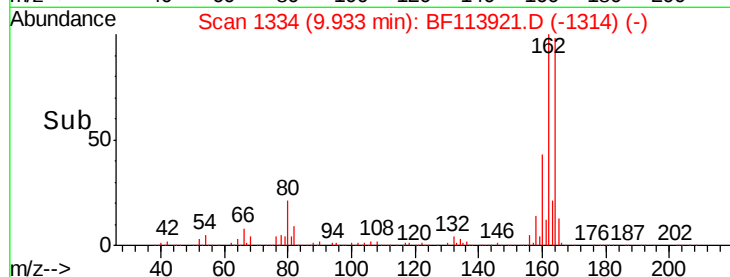
#57
 2,4-Dinitrotoluene
 Concen: 7.044 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113921.D
 Acq: 23 Apr 2019 15:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 75443
 Ion Ratio Lower Upper
 165 100
 63 1.8 27.4 41.0#
 89 1.8 51.8 77.6#
 182 1.3 2.2 3.2#

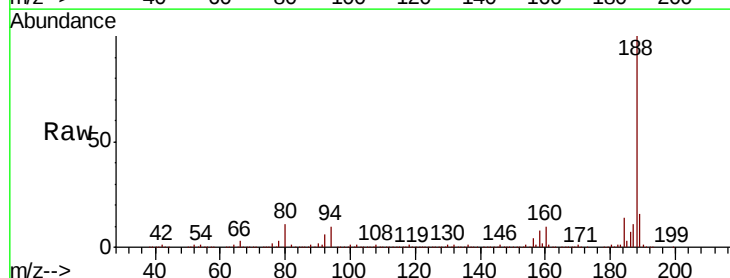


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

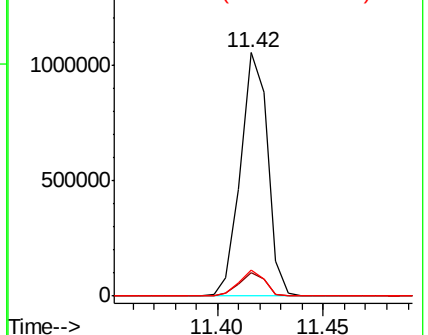
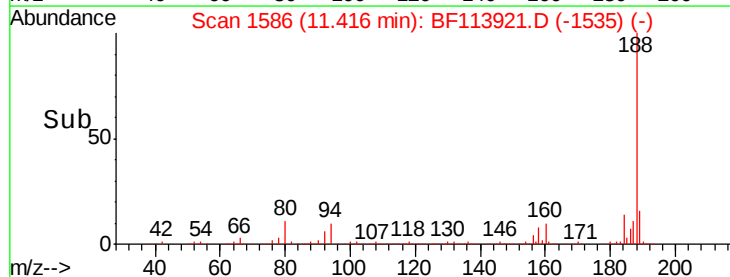


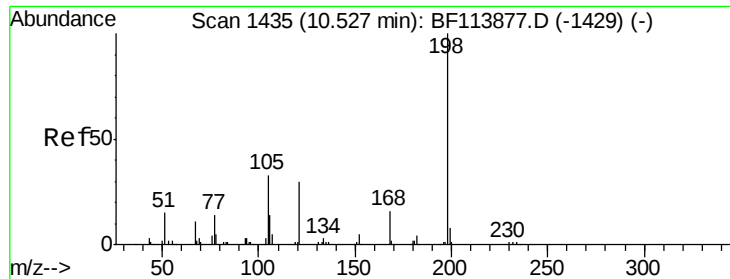
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113921.D
 Acq: 23 Apr 2019 15:40

Tgt Ion:188 Resp: 935539
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.4
 80 10.8 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.330 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Instrument :

BNA_F

ClientSampled :

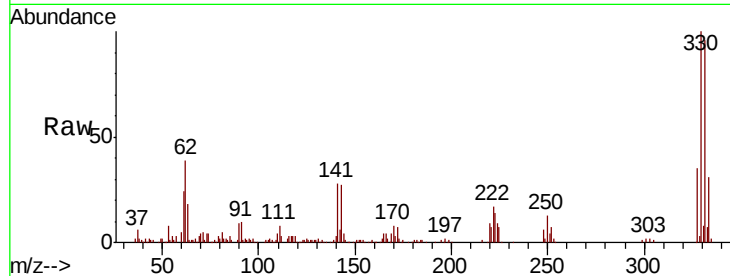
Tot Ion:198 Resp: 113

Ion Ratio Lower Upper

198 100

51 210.7 11.1 51.1#

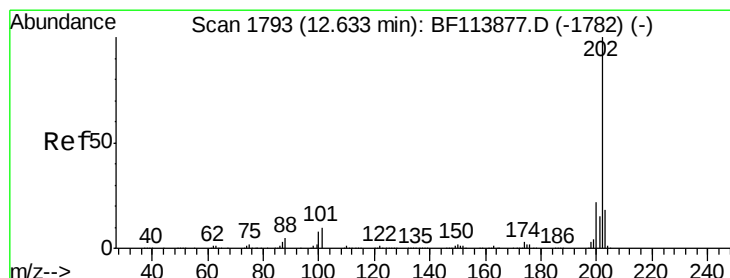
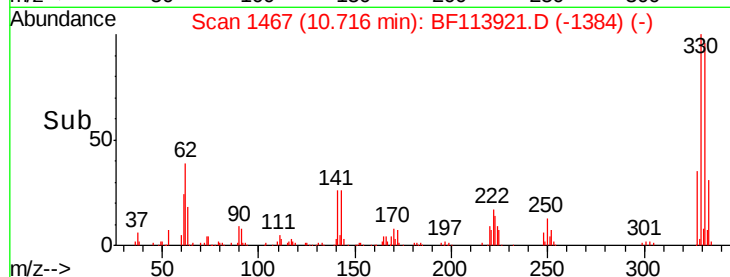
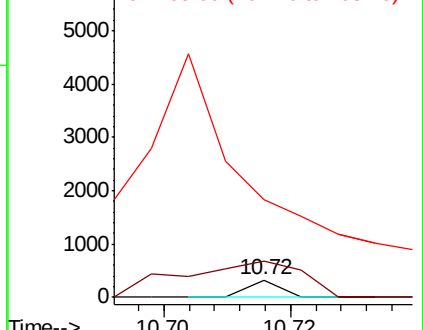
105 573.4 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#75

Fluoranthene

Concen: 3.221 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

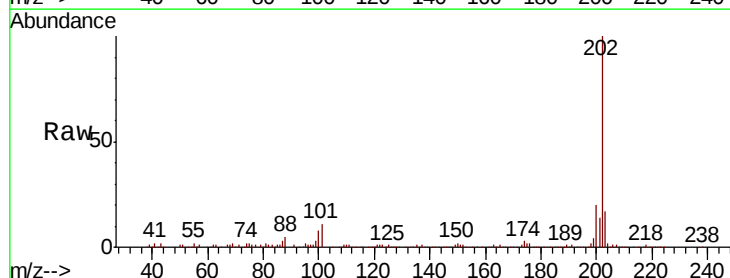
Tgt Ion:202 Resp: 165240

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.9

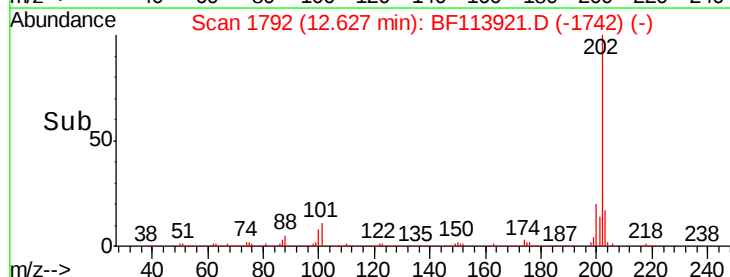
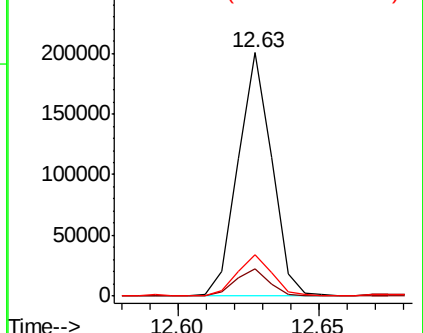
203 17.1 0.0 38.2

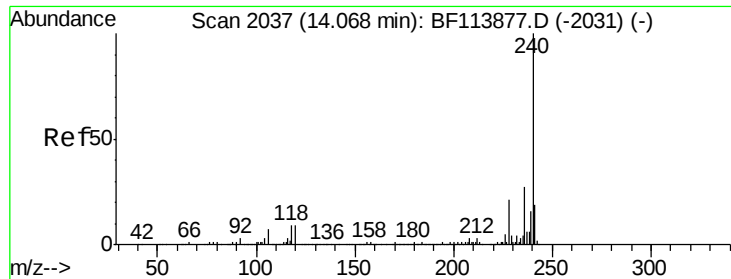


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

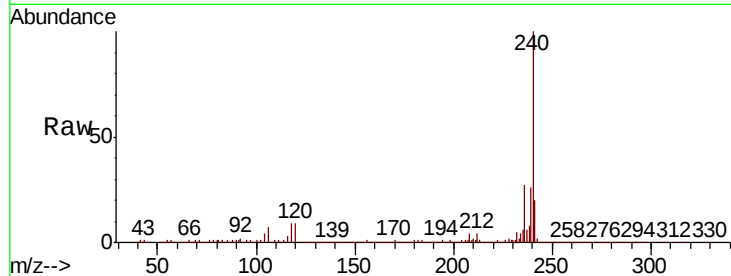




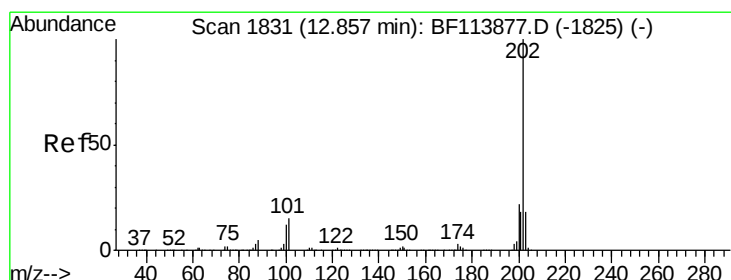
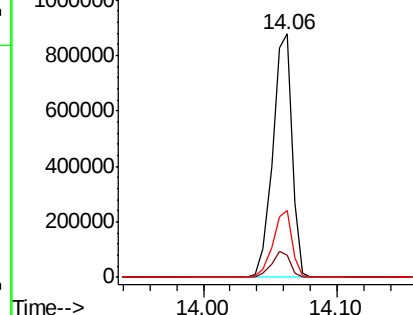
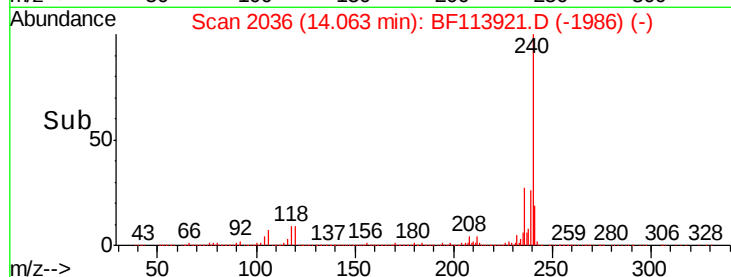
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF113921.D
Acq: 23 Apr 2019 15:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 886702
Ion Ratio Lower Upper
240 100
120 9.2 9.3 13.9#
236 27.3 21.2 31.8

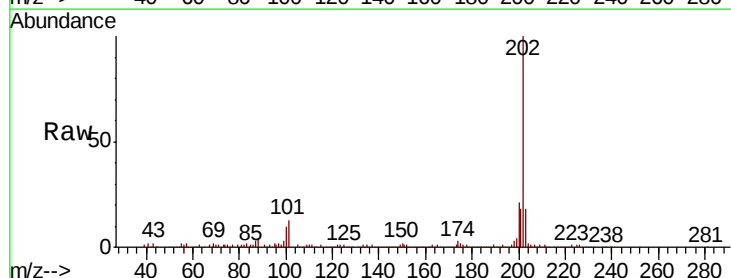


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

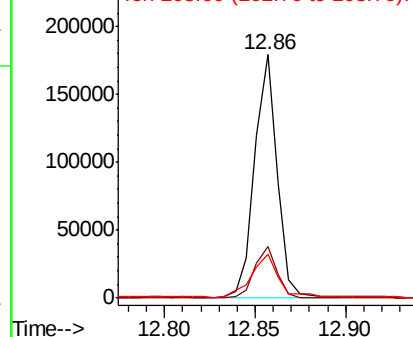
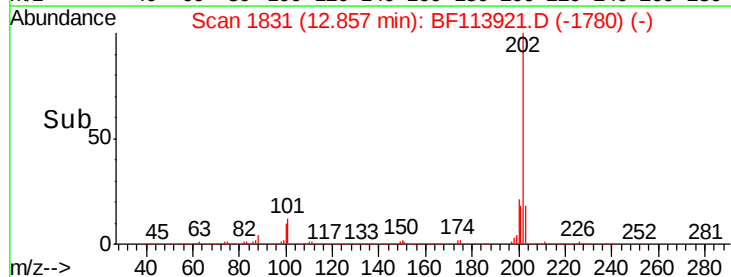


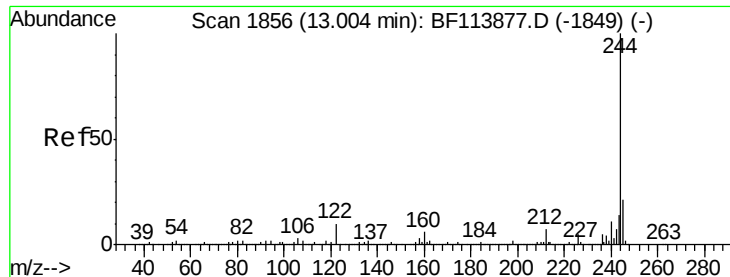
#78
Pyrene
Concen: 2.472 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF113921.D
Acq: 23 Apr 2019 15:40

Tgt Ion:202 Resp: 153255
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 18.1 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: 12.466 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

Instrument :

BNA_F

ClientSampleId :

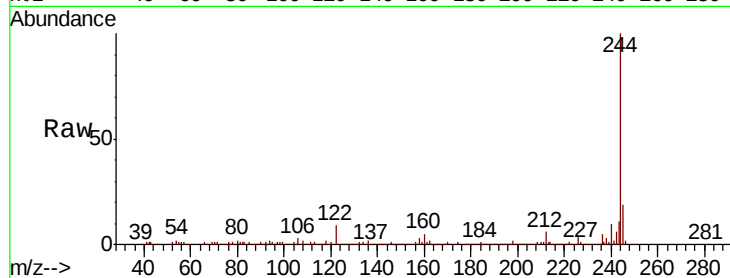
Tot Ion:244 Resp: 539164

Ion Ratio Lower Upper

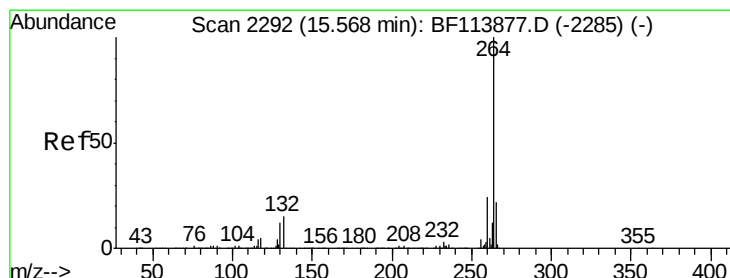
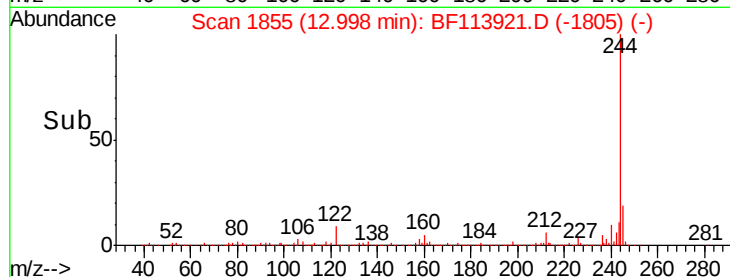
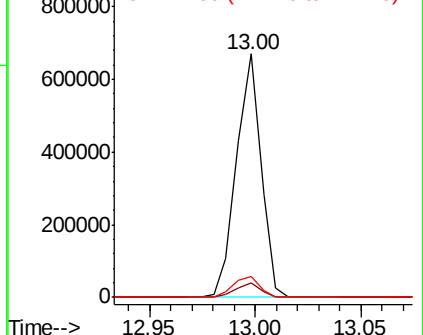
244 100

212 6.0 5.4 8.2

122 8.8 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF113921.D

Acq: 23 Apr 2019 15:40

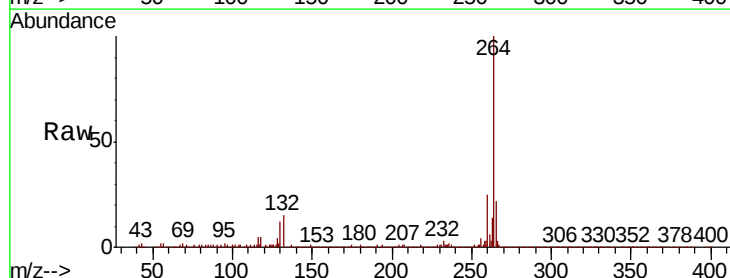
Tgt Ion:264 Resp: 945279

Ion Ratio Lower Upper

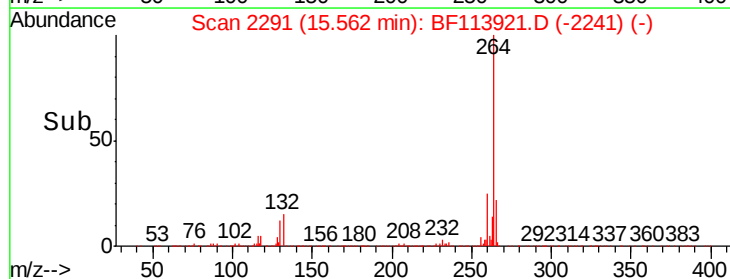
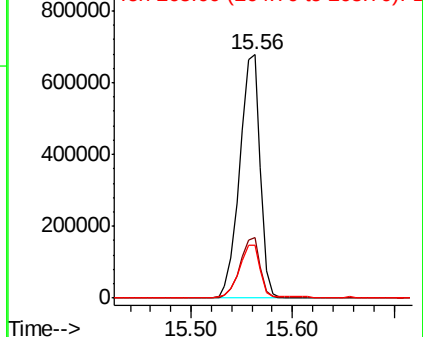
264 100

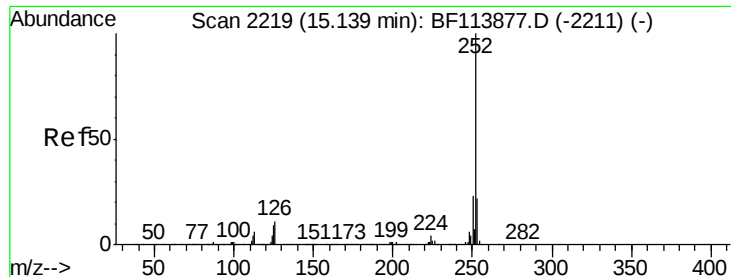
260 24.7 18.9 28.3

265 21.9 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

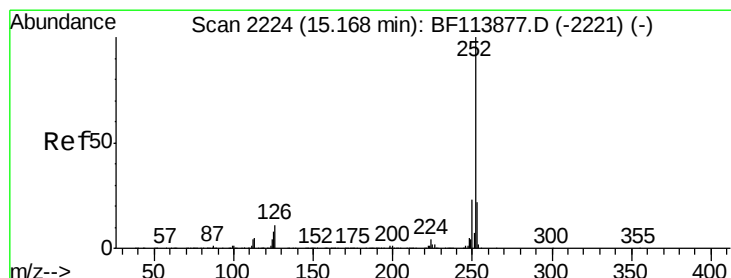
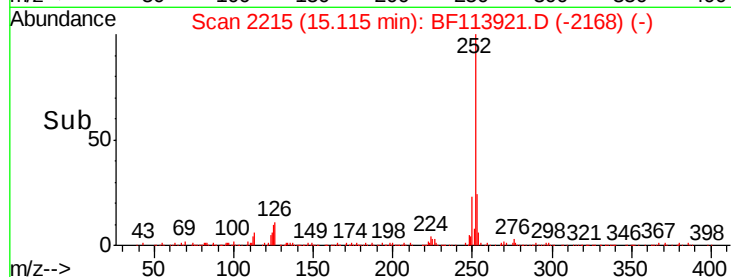
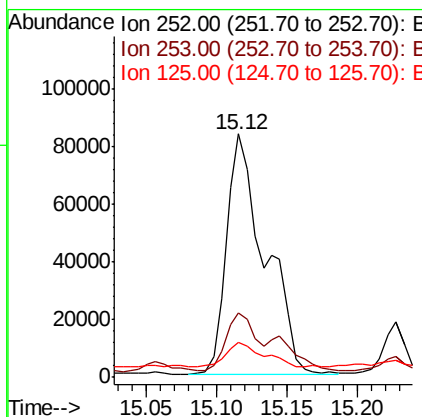
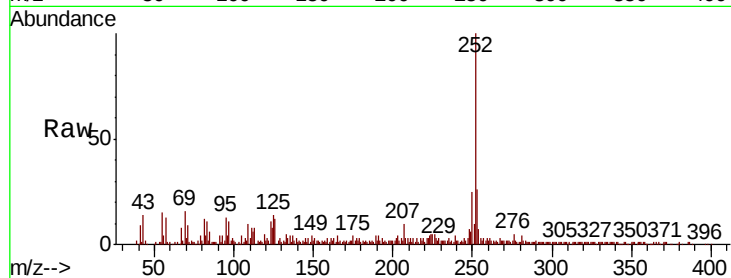




#88
Benzo(b)fluoranthene
Concen: 2.661 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF113921.D
Acq: 23 Apr 2019 15:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	14.4	7.0	10.6



#89
Benzo(k)fluoranthene
Concen: 3.093 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.05 min
Lab File: BF113921.D
Acq: 23 Apr 2019 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.2	27.2
125	14.4	7.4	11.2

