

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111820.D
 Acq On : 3 Jan 2019 14:55
 Operator : JU/SJ
 Sample : K1002-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 03 15:57:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 03 14:48:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198502	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1042707	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	417859	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	781995	20.00	ng	0.00
76) Chrysene-d12	14.06	240	683748	20.00	ng	0.00
87) Perylene-d12	15.55	264	639985	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1552942	133.35	ng	0.00
7) Phenol-d6	6.55	99	1465012	98.85	ng	0.00
23) Nitrobenzene-d5	7.46	82	952238	53.16	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	512204	103.74	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1734524	60.50	ng	0.00
79) Terphenyl-d14	13.01	244	1589833	44.09	ng	0.00

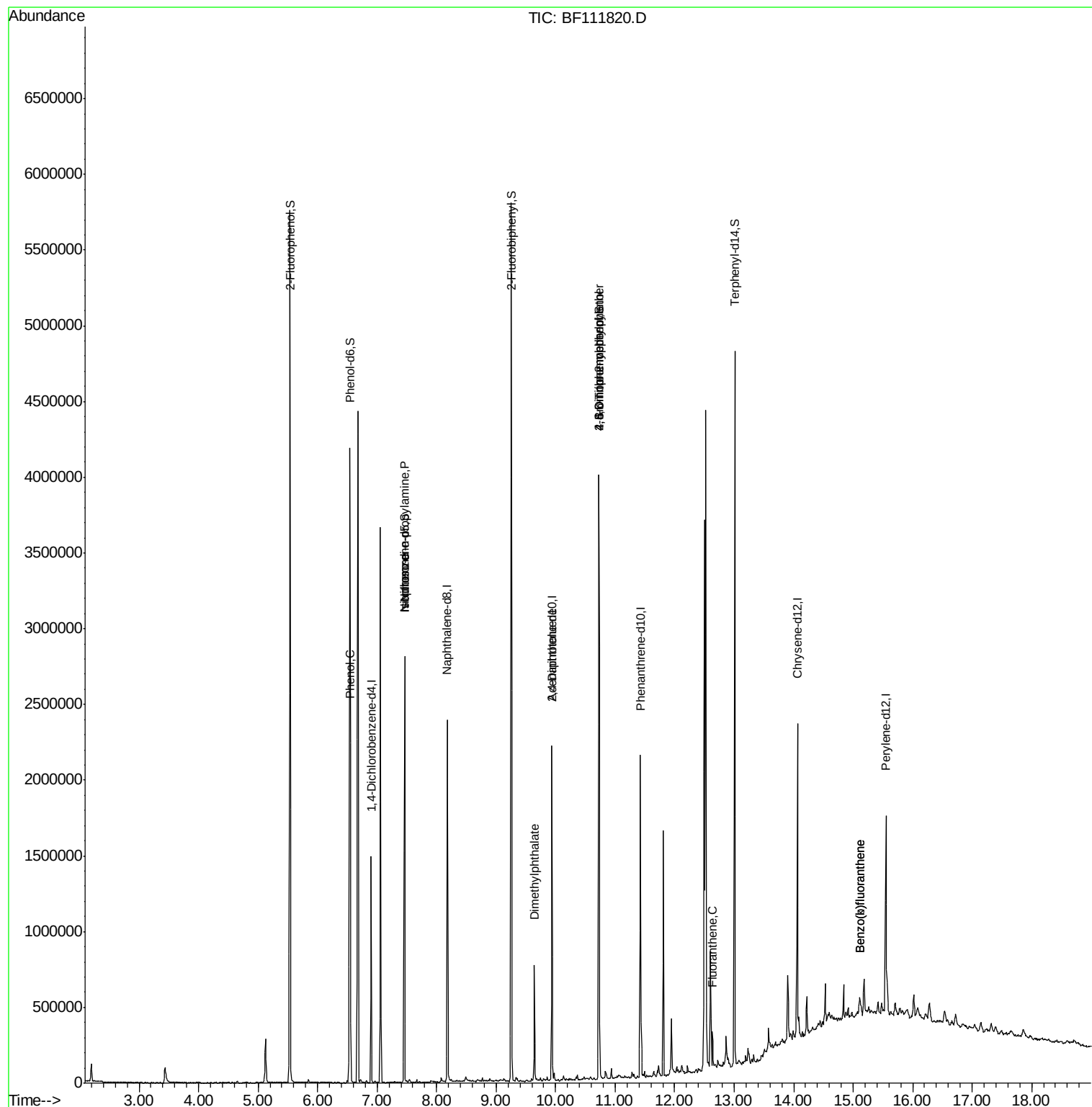
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	70191	4.197	ng	93
19) n-Nitroso-di-n-propylamine	7.46	70	132158	13.427	ng	# 76
25) Isophorone	7.46	82	952226	29.943	ng	# 64
50) Dimethylphthalate	9.65	163	294303	9.631	ng	97
57) 2,4-Dinitrotoluene	9.94	165	53530	7.310	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	878	6.927	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	31143	3.211	ng	# 1
75) Fluoranthene	12.63	202	85026	2.025	ng	95
88) Benzo(b)fluoranthene	15.11	252	75757	2.025	ng	# 93
89) Benzo(k)fluoranthene	15.11	252	75757	2.127	ng	# 92

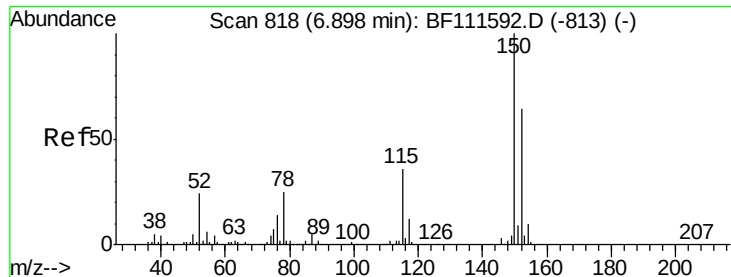
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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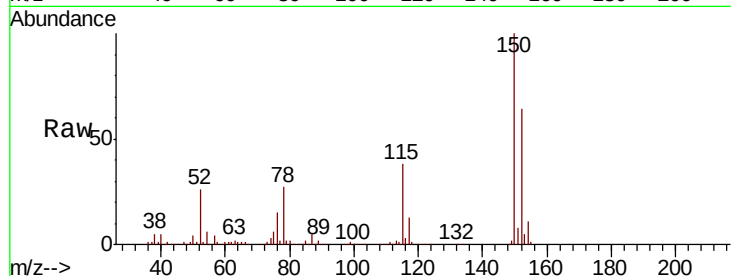


#1

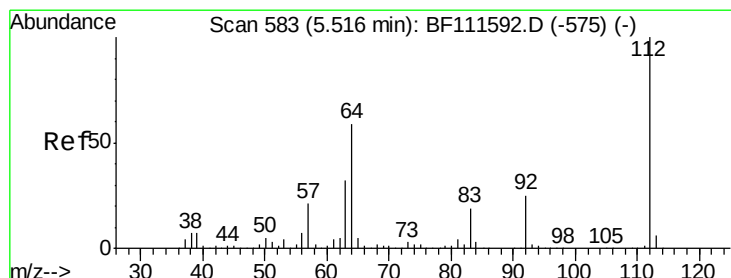
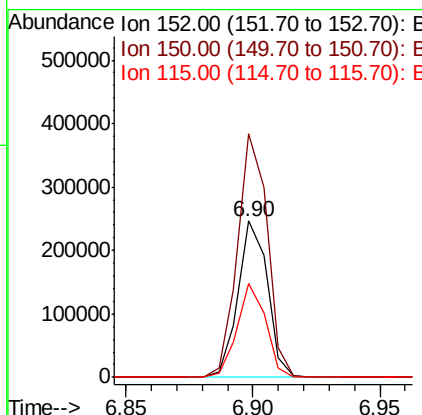
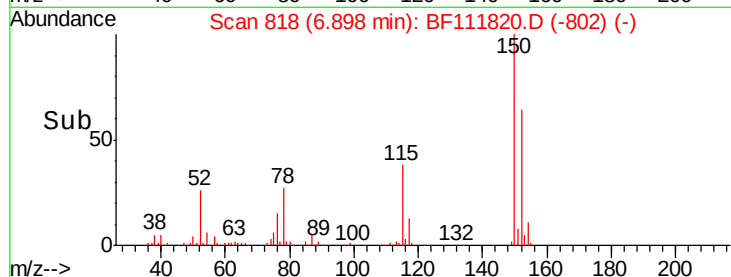
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 198502
Ion Ratio Lower Upper
152 100
150 155.8 126.6 189.8
115 59.9 50.7 76.1



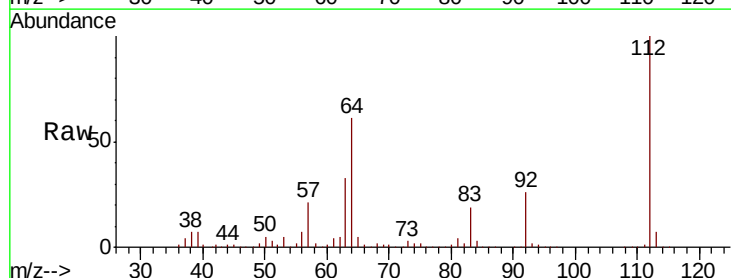
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



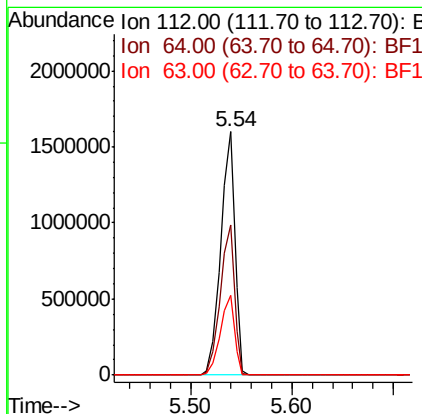
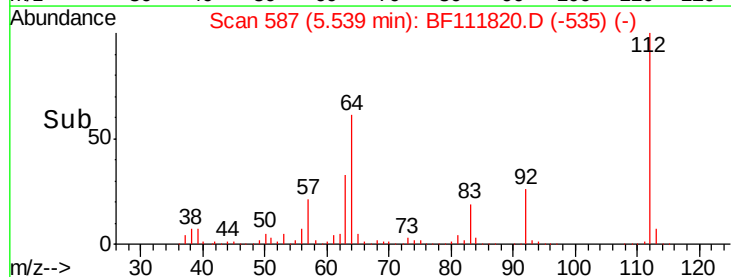
#5

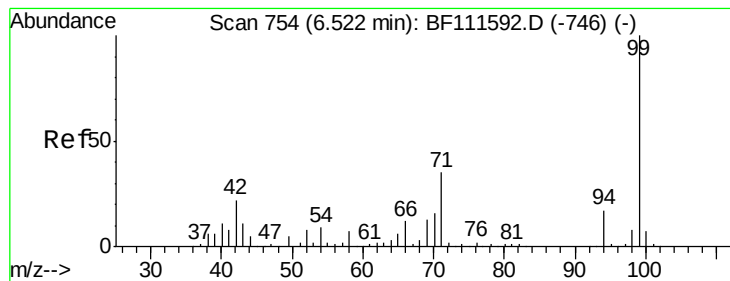
2-Fluorophenol
Concen: 133.351 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.01 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Tgt Ion:112 Resp: 1552942
Ion Ratio Lower Upper
112 100
64 61.4 51.8 77.6
63 32.9 26.8 40.2



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: 98.849 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

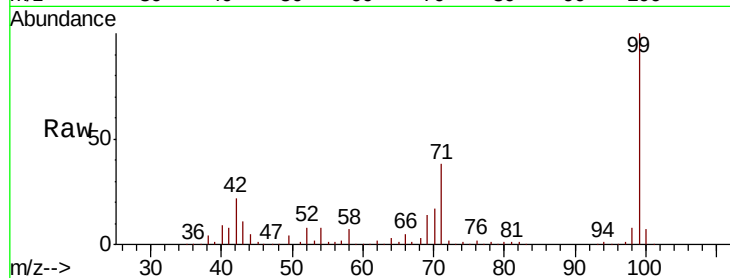
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1465012

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.4	26.0
71	37.6	26.1	39.1

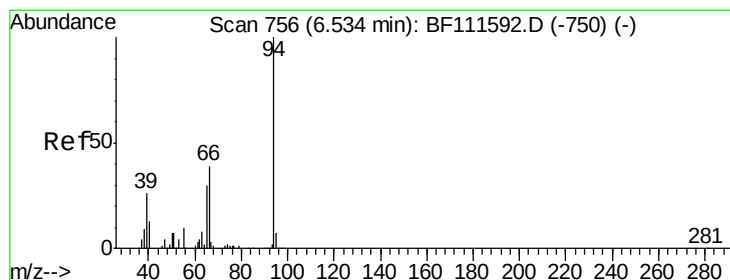
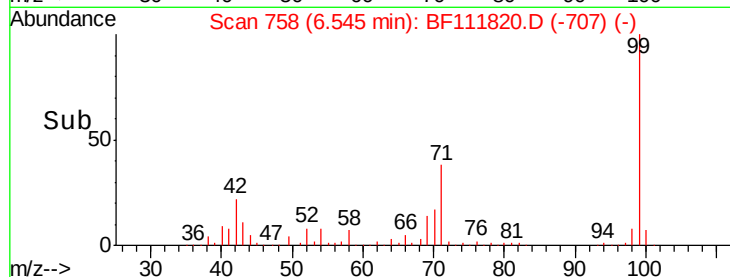
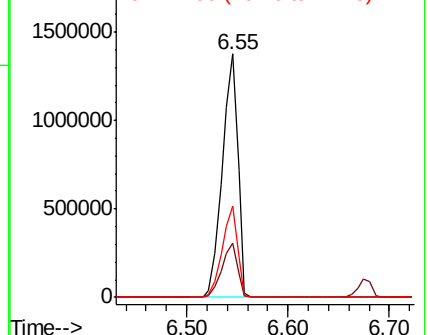


Abundance

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



#10

Phenol

Concen: 4.197 ng

RT: 6.56 min Scan# 760

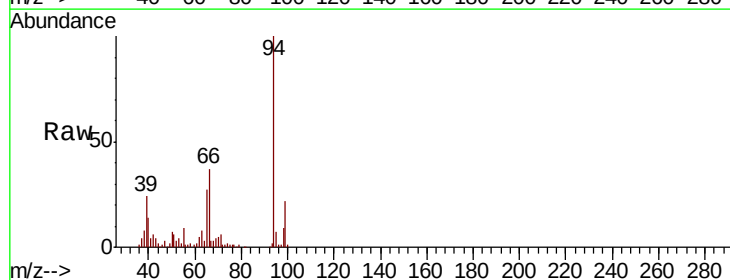
Delta R.T. -0.00 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

Tgt Ion: 94 Resp: 70191

Ion	Ratio	Lower	Upper
94	100		
65	27.3	11.7	51.7
66	37.4	21.0	61.0

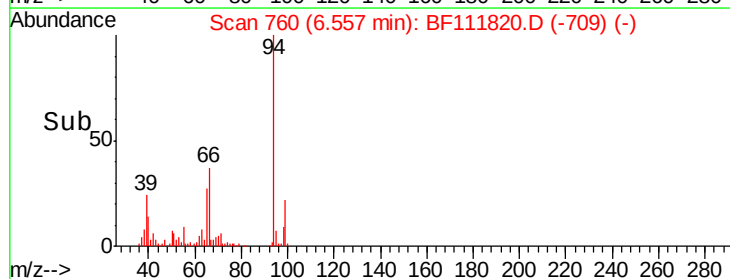
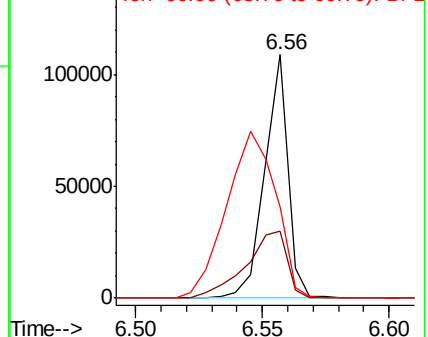


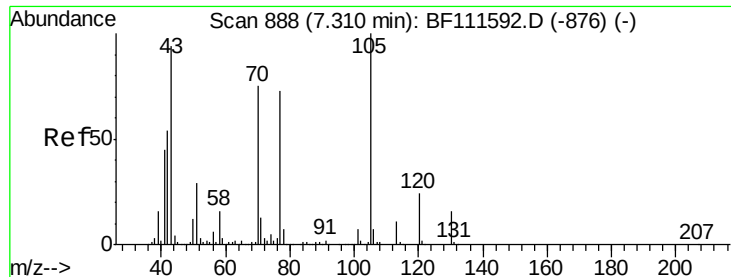
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

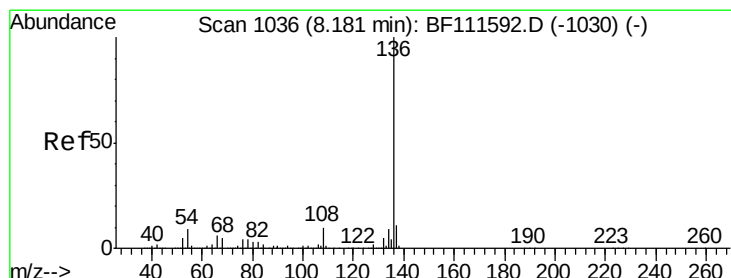
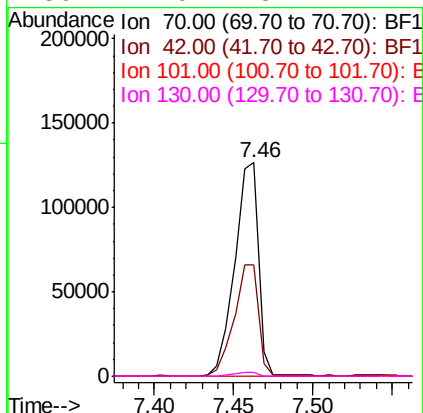
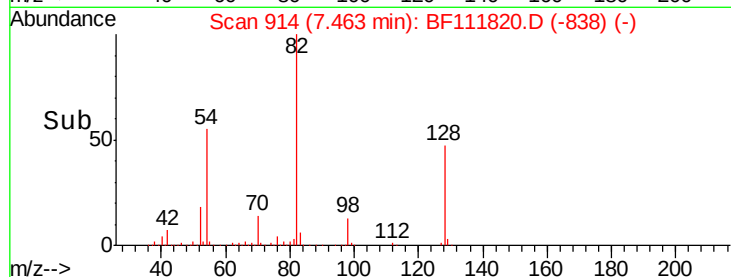
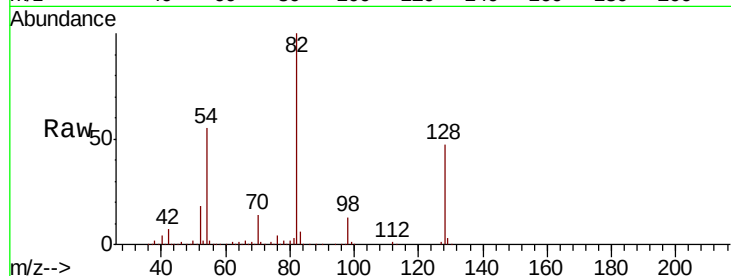




#19
n-Nitroso-di-n-propylamine
Concen: 13.427 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

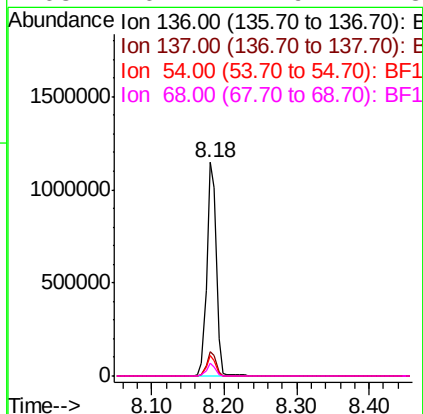
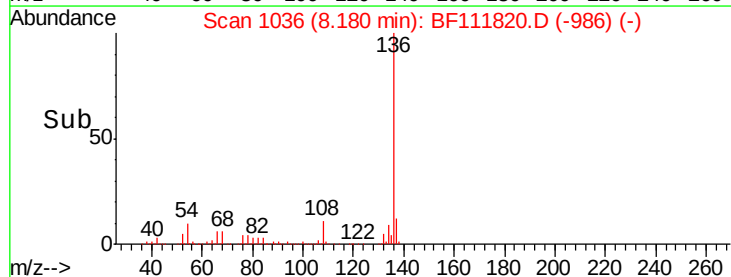
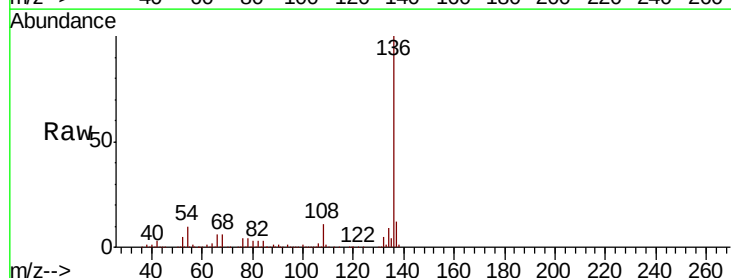
Instrument :
BNA_F
ClientSampleId :

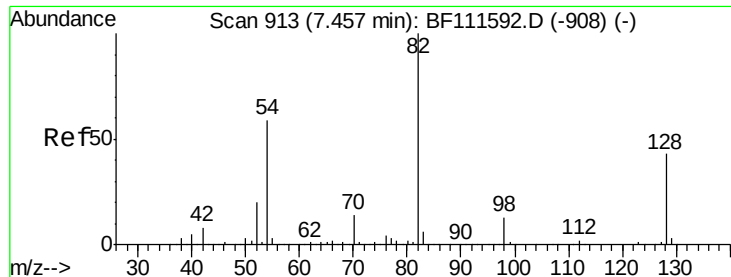
Tot Ion: 70 Resp: 132158
Ion Ratio Lower Upper
70 100
42 52.4 53.2 79.8#
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Tgt Ion:136 Resp: 1042707
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.7 7.7 11.5
68 6.2 4.9 7.3

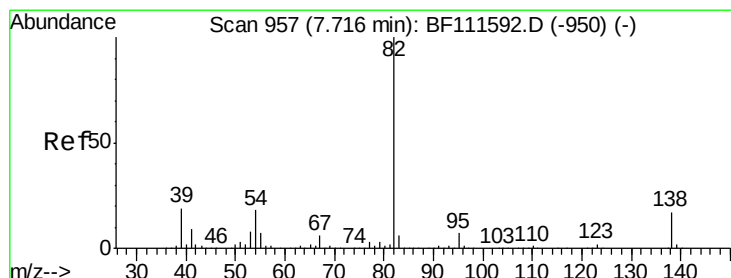
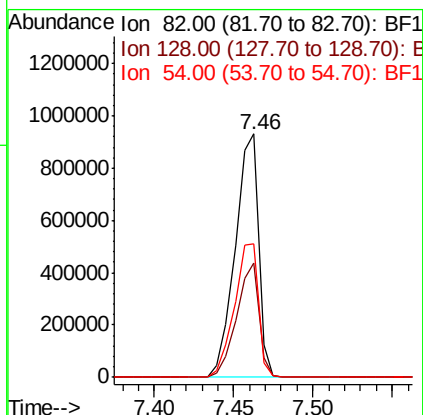
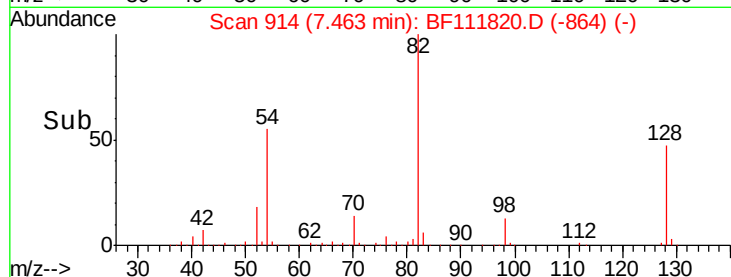
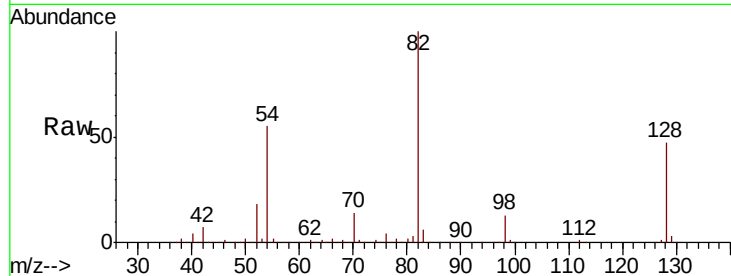




#23
 Nitrobenzene-d5
 Concen: 53.157 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF111820.D
 Acq: 3 Jan 2019 14:55

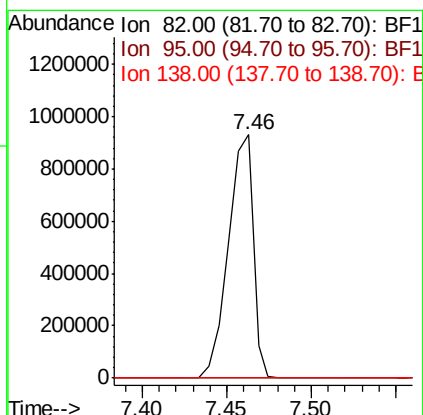
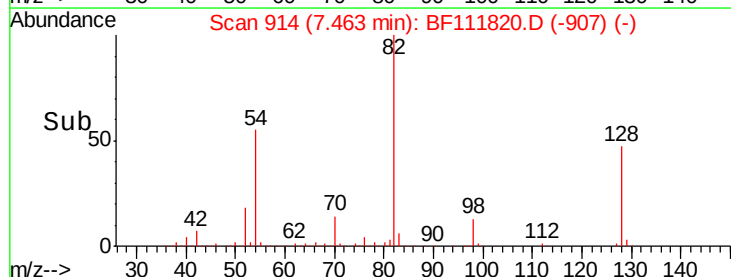
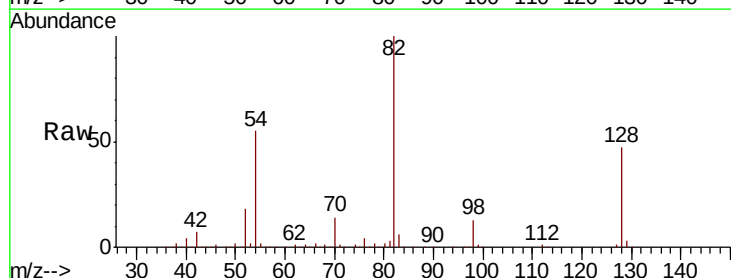
Instrument :
 BNA_F
 ClientSampleID :

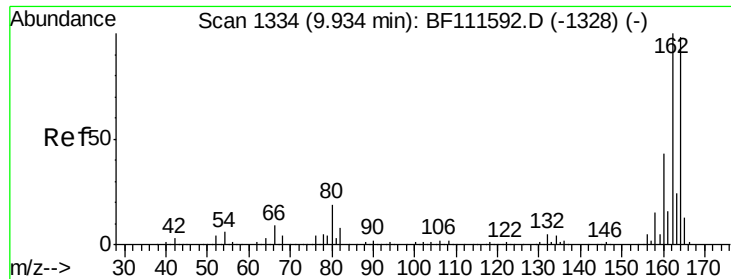
Tot Ion: 82 Resp: 952238
 Ion Ratio Lower Upper
 82 100
 128 46.7 37.4 56.2
 54 55.0 47.6 71.4



#25
 Isophorone
 Concen: 29.943 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.26 min
 Lab File: BF111820.D
 Acq: 3 Jan 2019 14:55

Tgt Ion: 82 Resp: 952226
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

Instrument :

BNA_F

ClientSampleId :

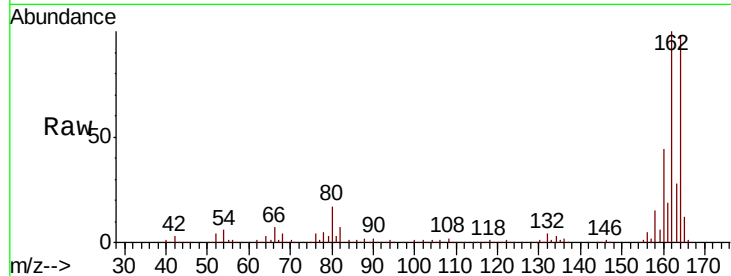
Tot Ion:164 Resp: 417859

Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.0

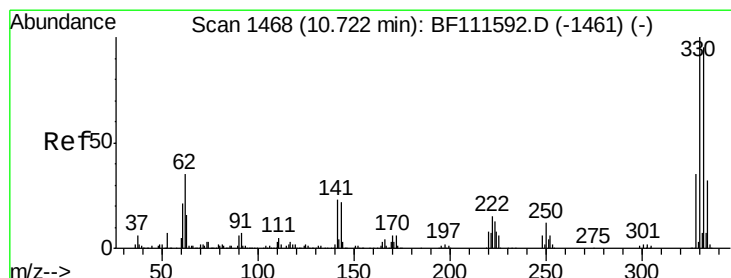
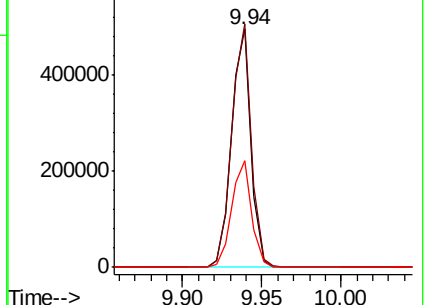
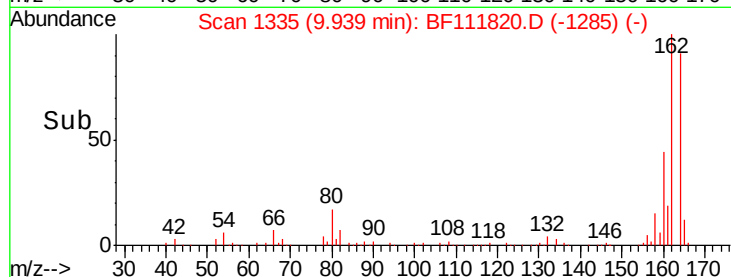
160 44.9 35.7 53.5



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: 103.741 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

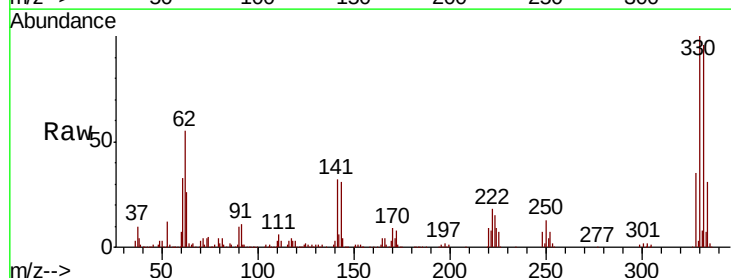
Tgt Ion:330 Resp: 512204

Ion Ratio Lower Upper

330 100

332 96.2 76.0 114.0

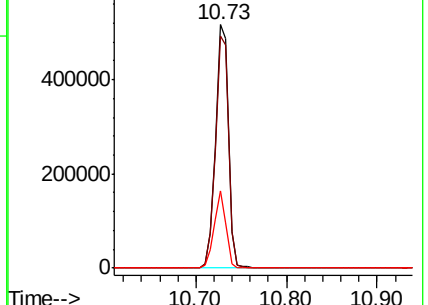
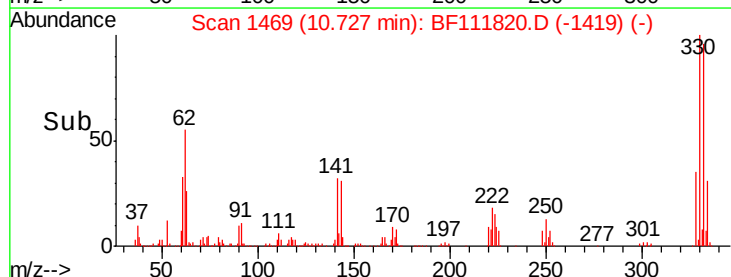
141 29.4 31.0 46.6#

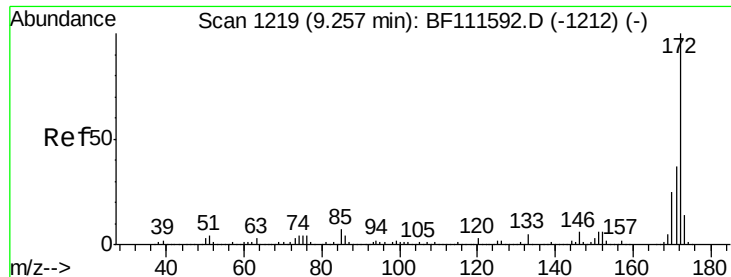


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

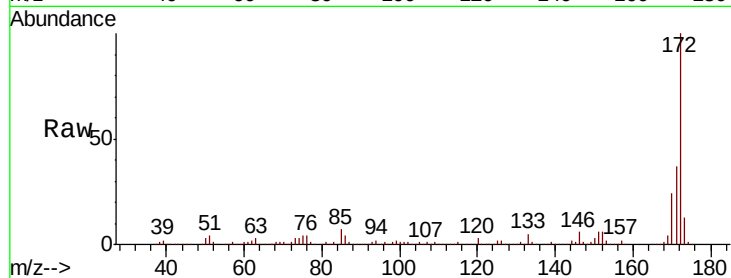




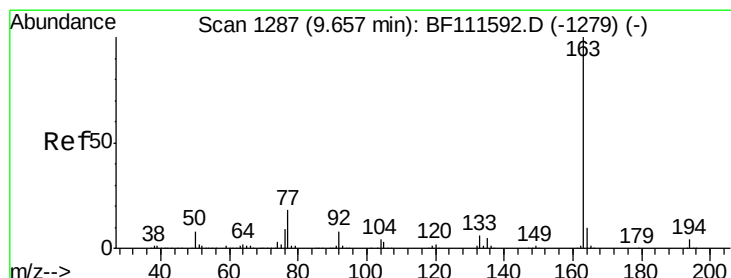
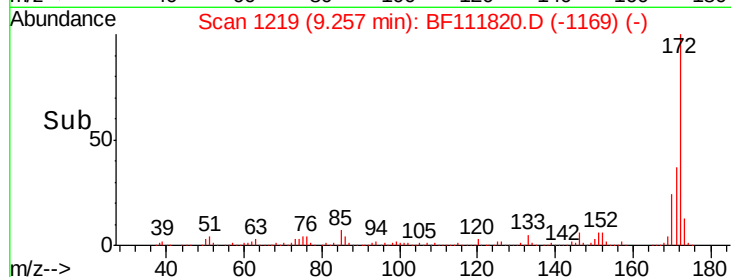
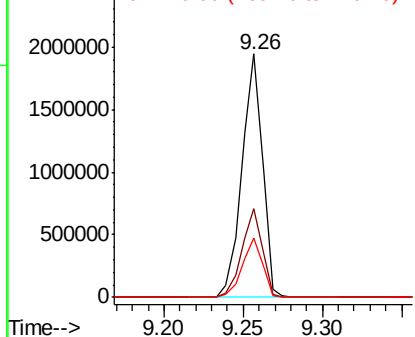
#45
2-Fluorobiphenyl
Concen: 60.504 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1734524
Ion Ratio Lower Upper
172 100
171 36.5 33.0 49.4
170 24.2 22.3 33.5

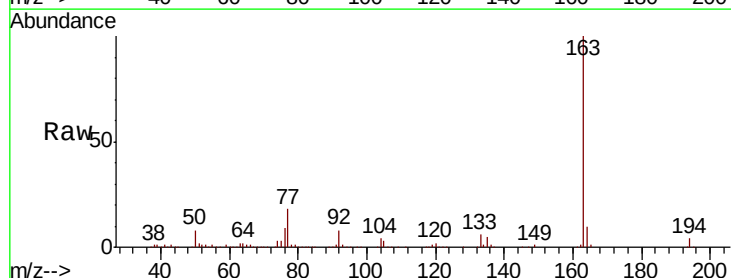


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

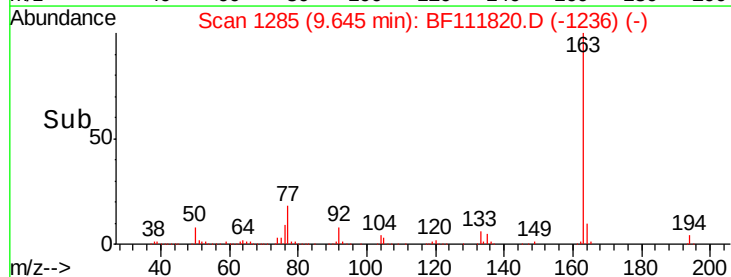
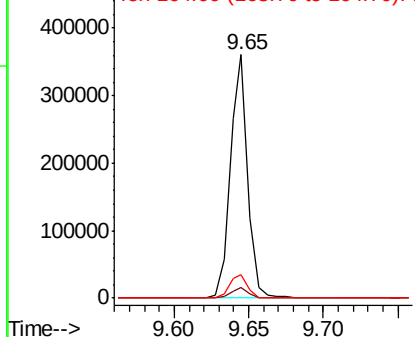


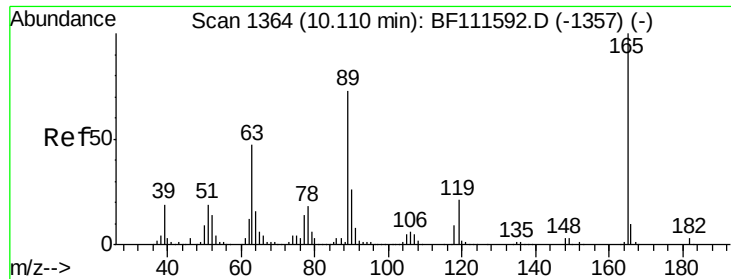
#50
Dimethylphthalate
Concen: 9.631 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Tgt Ion:163 Resp: 294303
Ion Ratio Lower Upper
163 100
194 4.4 3.0 4.6
164 9.7 8.9 13.3



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: 7.310 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.18 min

Lab File: BF111820.D

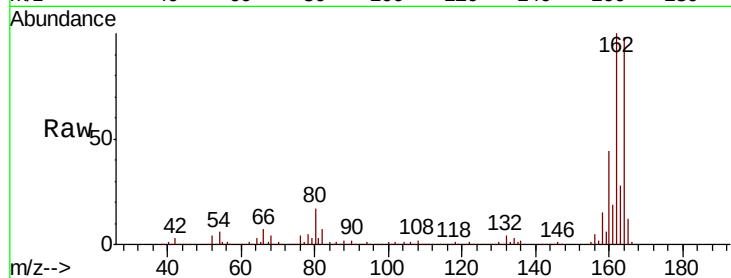
Acq: 3 Jan 2019 14:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	53530
Ion Ratio	Lower	Upper
165	100	
63	1.5	34.6 52.0#
89	2.1	56.2 84.4#
182	0.0	1.8 2.6#

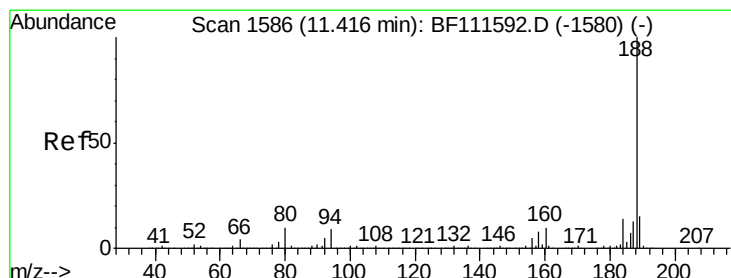
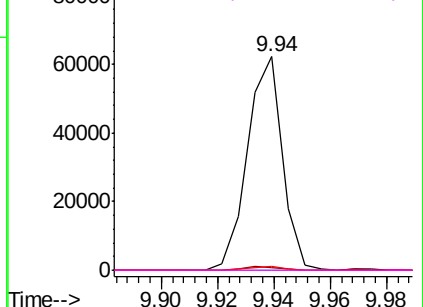
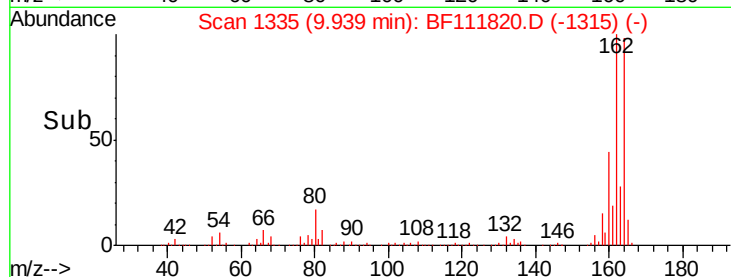


Abundance Ion 165.00 (164.70 to 165.70): E

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

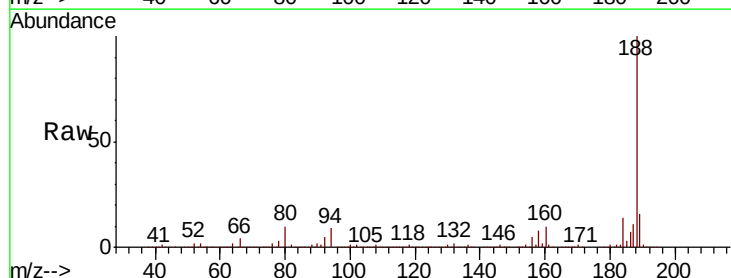
RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

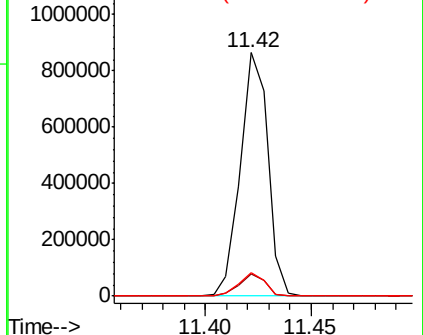
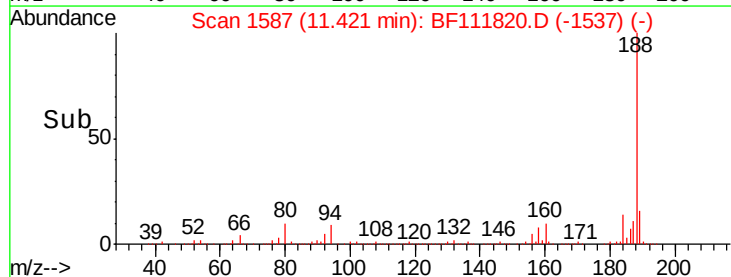
Tgt Ion:188	Resp:	781995
Ion Ratio	Lower	Upper
188	100	
94	9.1	9.6 14.4#
80	9.6	9.8 14.6#

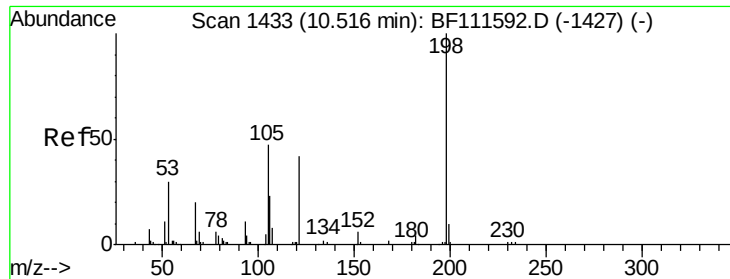


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

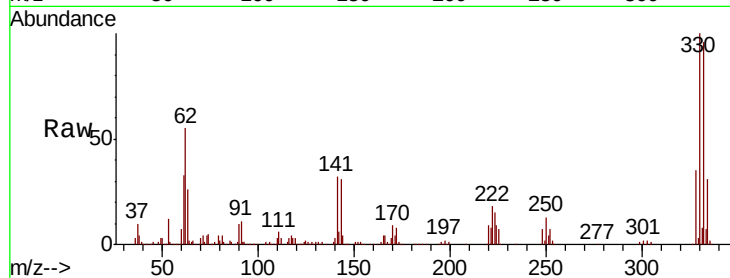




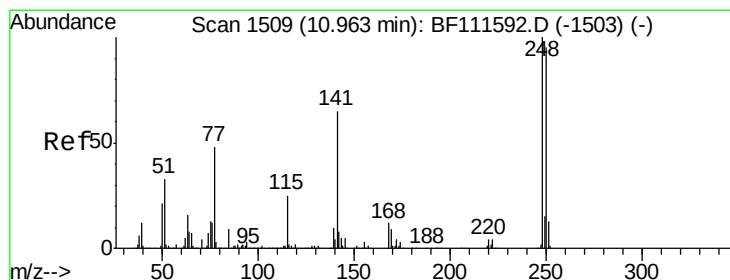
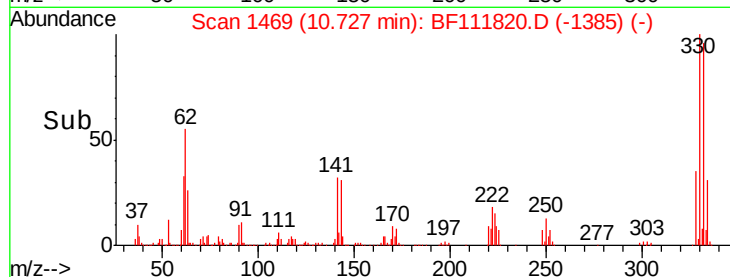
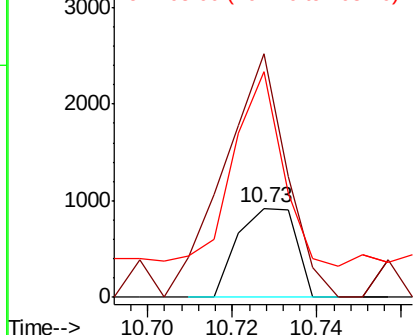
#65
4,6-Dinitro-2-methylphenol
Concen: 6.927 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 878
Ion Ratio Lower Upper
198 100
51 274.2 48.0 88.0#
105 254.2 34.0 74.0#

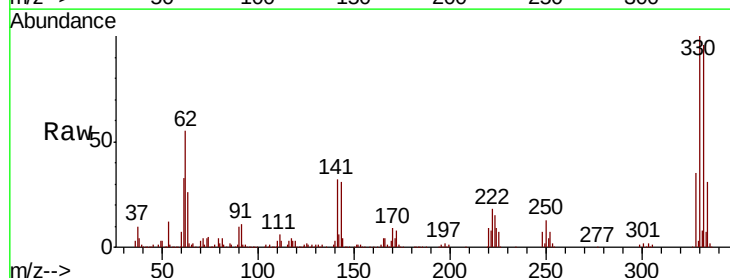


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

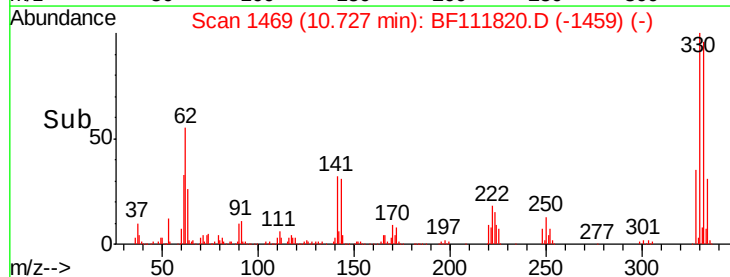
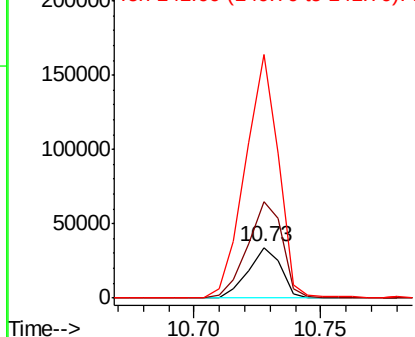


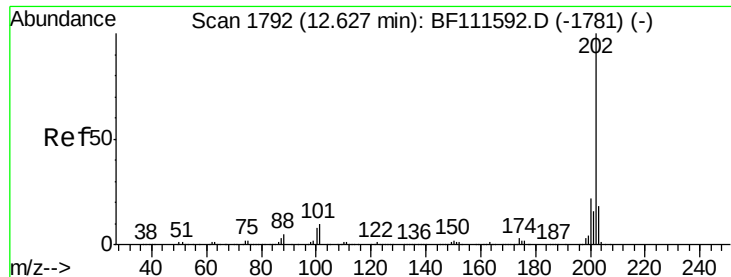
#67
4-Bromophenyl-phenylether
Concen: 3.211 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Tgt Ion:248 Resp: 31143
Ion Ratio Lower Upper
248 100
250 190.3 77.0 115.4#
141 477.9 63.0 94.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.025 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

Instrument :

BNA_F

ClientSampleId :

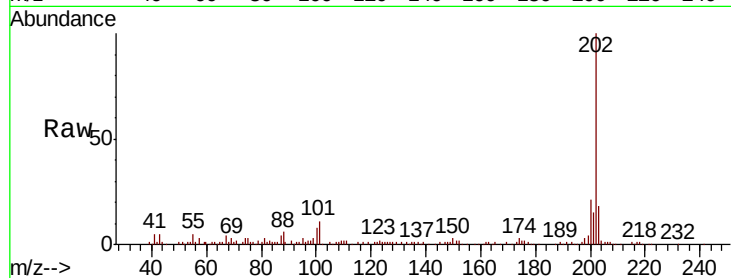
Tot Ion:202 Resp: 85026

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.8

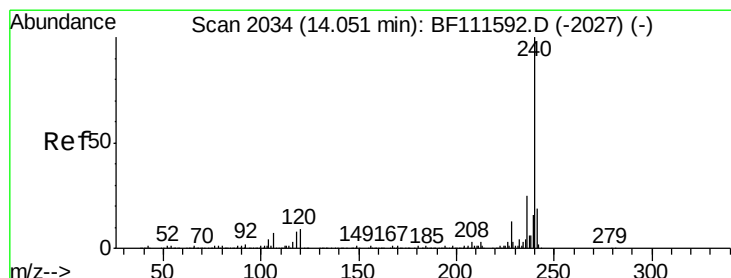
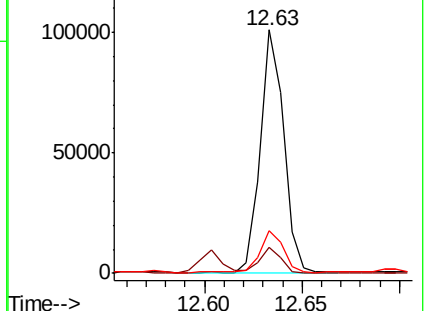
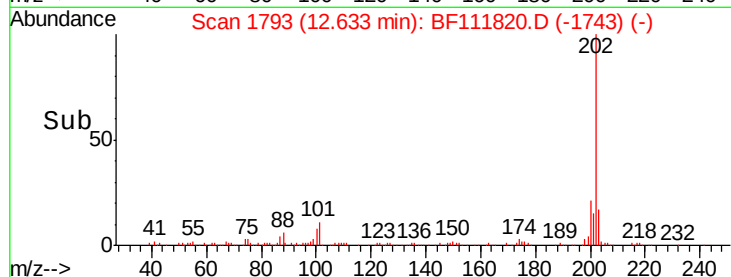
203 17.7 0.0 38.6



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: BF111820.D

Acq: 3 Jan 2019 14:55

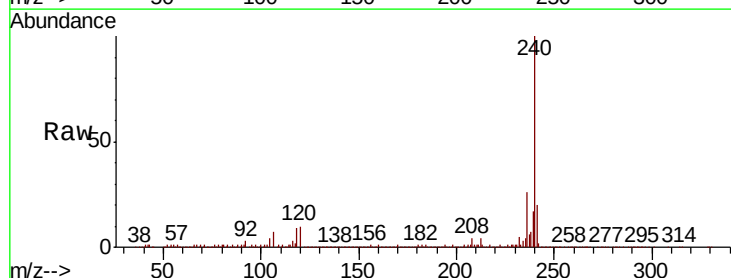
Tgt Ion:240 Resp: 683748

Ion Ratio Lower Upper

240 100

120 9.7 12.2 18.2#

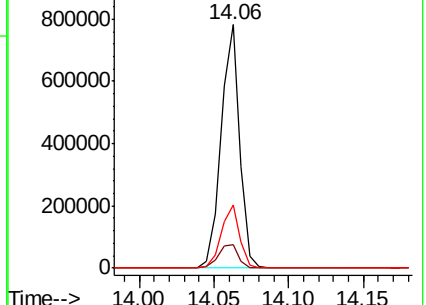
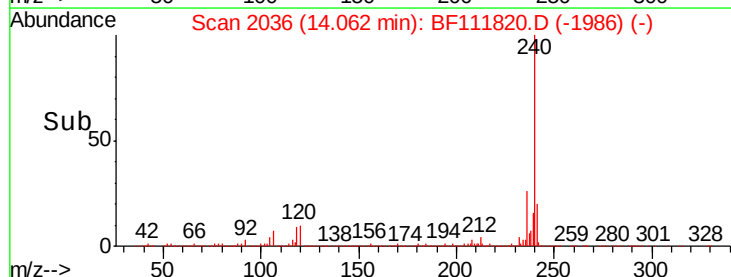
236 25.9 20.2 30.2

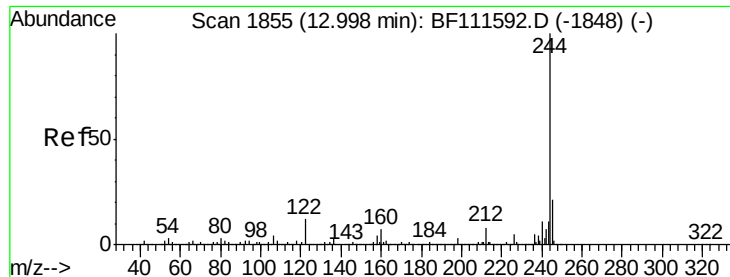


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 44.095 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1589833

Ion Ratio Lower Upper

244 100

212 6.9

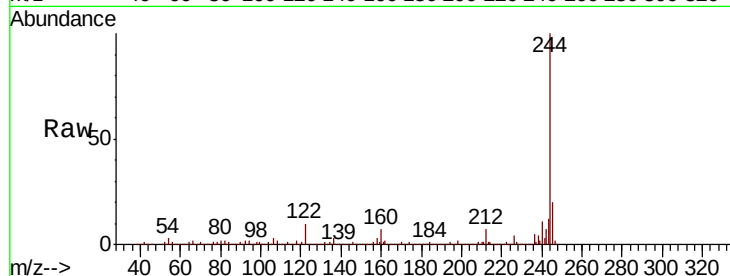
122 10.2

5.7

8.5

13.1

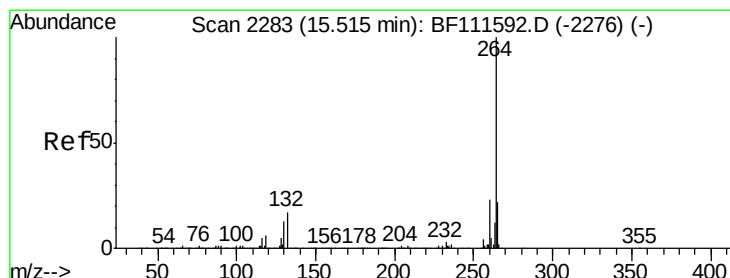
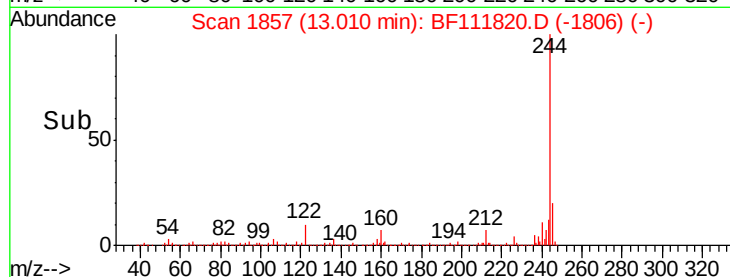
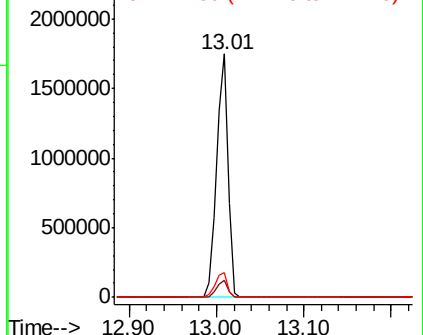
19.7#



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: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF111820.D

Acq: 3 Jan 2019 14:55

Tgt Ion:264 Resp: 639985

Ion Ratio Lower Upper

264 100

260 23.6

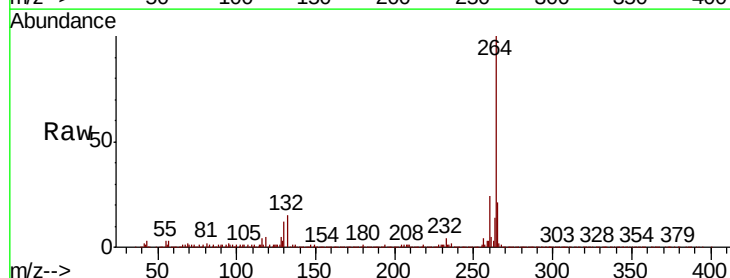
265 21.4

18.3

27.5

17.7

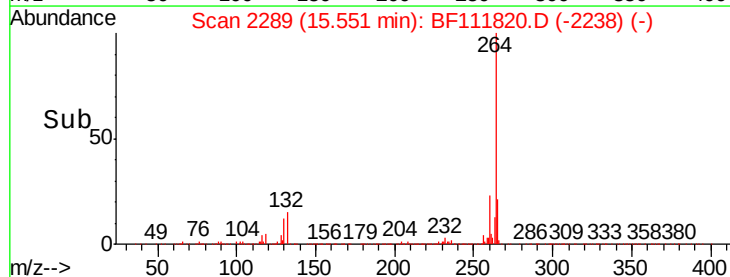
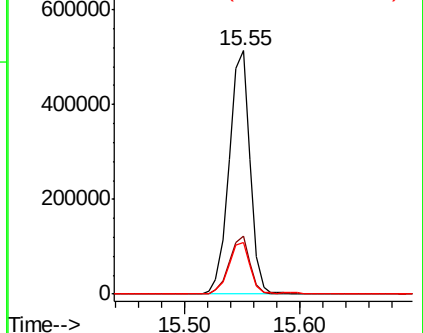
26.5

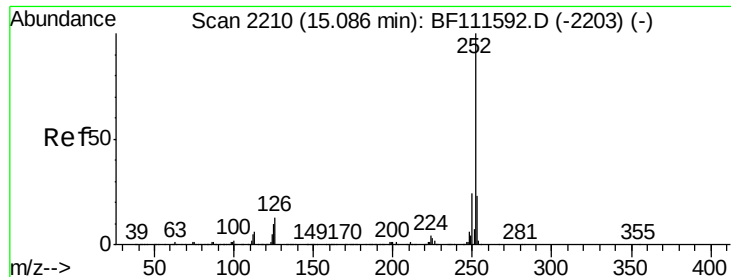


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

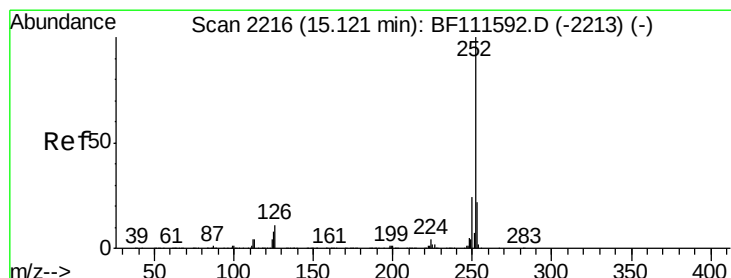
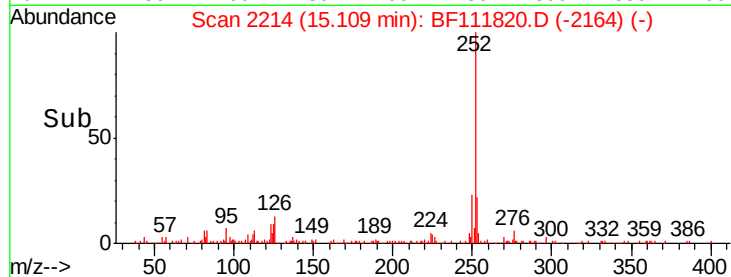
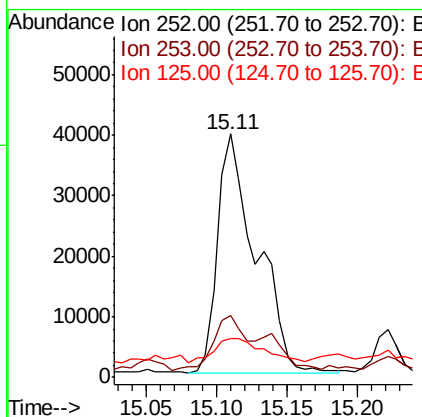
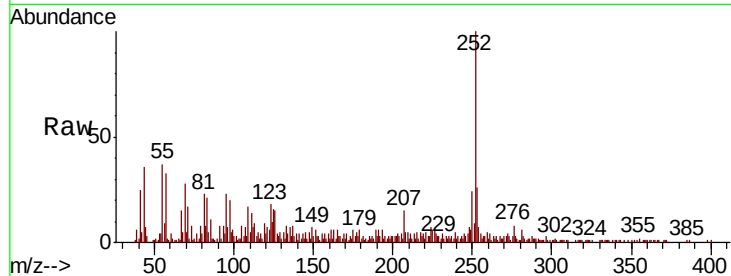




#88
Benzo(b)fluoranthene
Concen: 2.025 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	16.1	10.4	15.6



#89
Benzo(k)fluoranthene
Concen: 2.127 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF111820.D
Acq: 3 Jan 2019 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	16.1	9.8	14.8

