

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111965.D
 Acq On : 9 Jan 2019 22:26
 Operator : JU/SJ
 Sample : K1075-01RE 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:54:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	155825	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	552624	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	213168	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	361363	20.00	ng	0.00
76) Chrysene-d12	14.05	240	273708	20.00	ng	0.00
87) Perylene-d12	15.54	264	208247	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	539287	59.21	ng	0.00
7) Phenol-d6	6.52	99	661560	56.35	ng	-0.01
23) Nitrobenzene-d5	7.44	82	353806	34.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	114342	41.24	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	538348	36.83	ng	-0.01
79) Terphenyl-d14	12.99	244	558650	38.74	ng	0.00

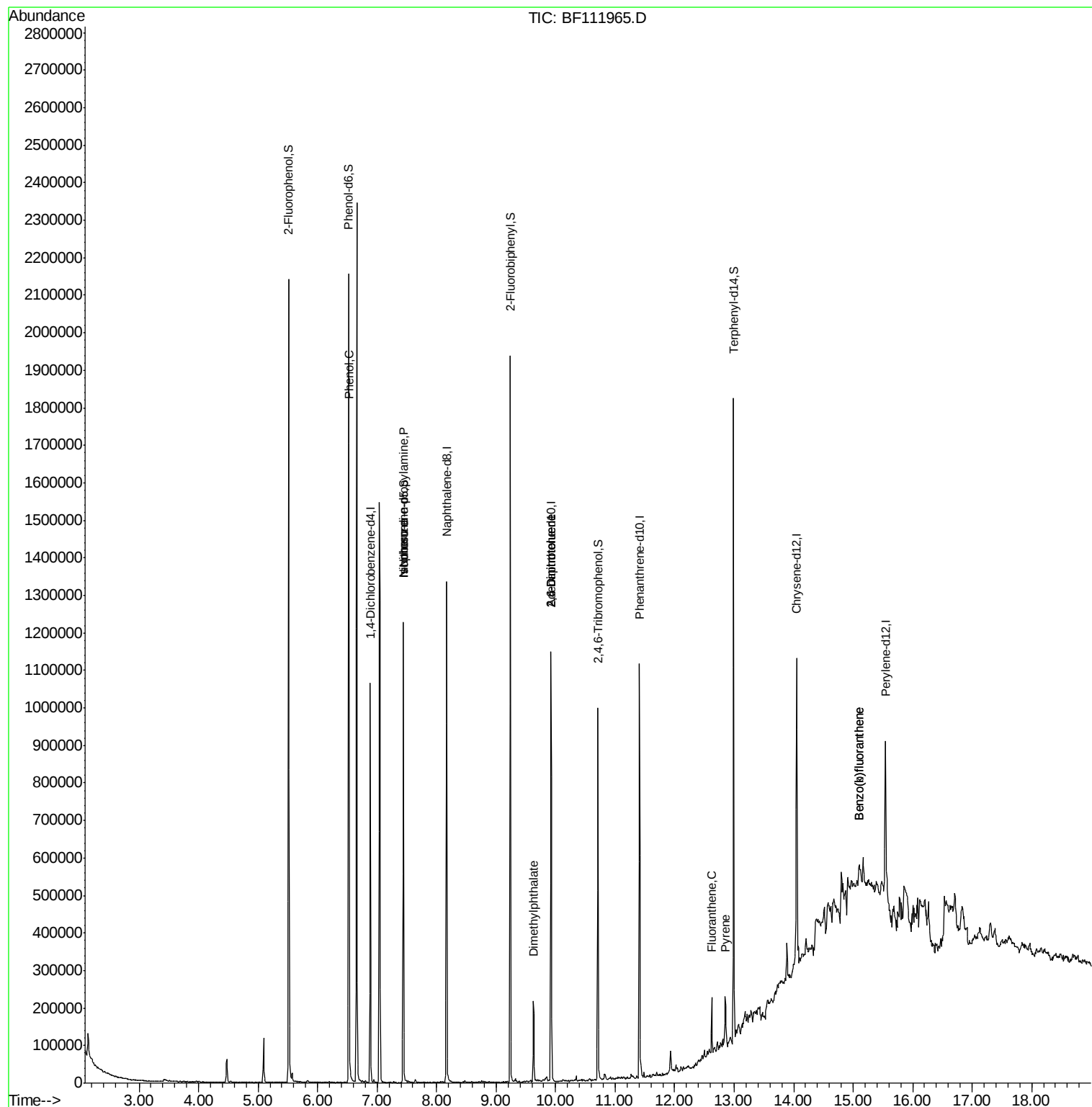
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1341	Below Cal		# 1
10) Phenol	6.53	94	32728	2.565	ng	# 81
19) n-Nitroso-di-n-propylamine	7.44	70	48519	6.361	ng	# 77
25) Isophorone	7.44	82	353802	21.130	ng	# 65
50) Dimethylphthalate	9.63	163	81942	5.117	ng	# 99
51) 2,6-Dinitrotoluene	9.92	165	26883	7.507	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	26883	5.810	ng	# 27
75) Fluoranthene	12.62	202	59802	3.015	ng	# 98
78) Pyrene	12.85	202	52333	2.779	ng	# 98
88) Benzo(b)fluoranthene	15.10	252	29302	2.352	ng	# 64
89) Benzo(k)fluoranthene	15.10	252	29302	2.502	ng	# 65

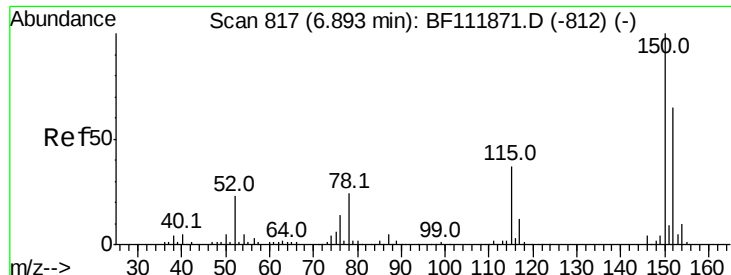
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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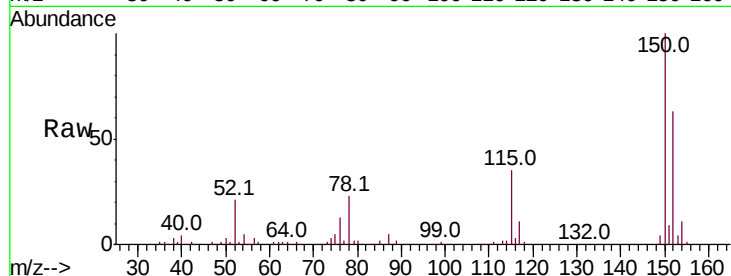


#1

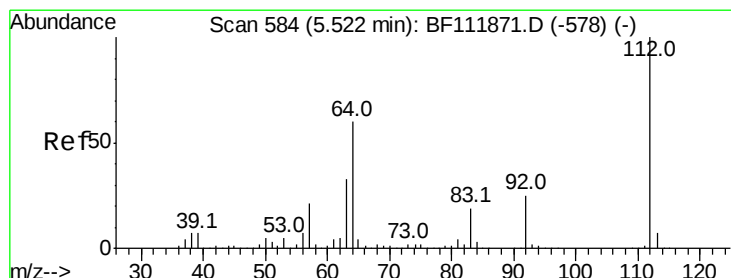
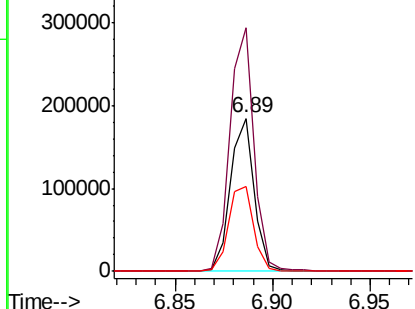
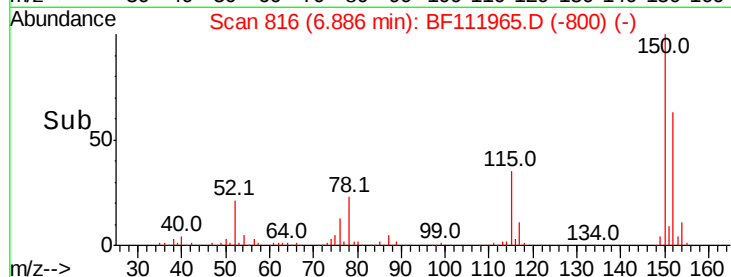
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	122.7	184.1
115	55.5	45.2	67.8



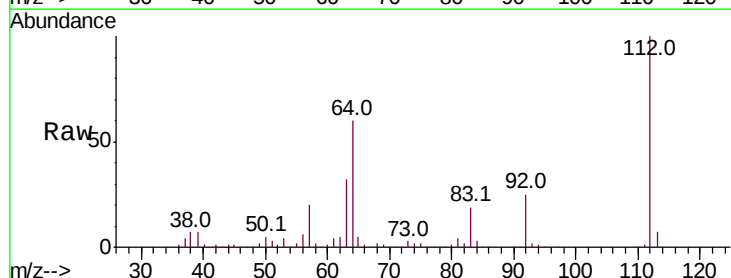
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



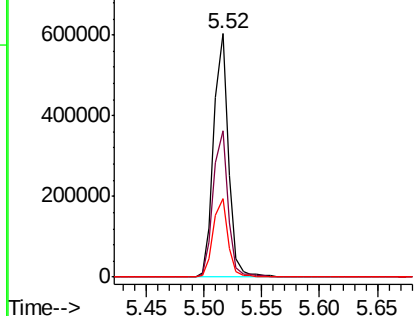
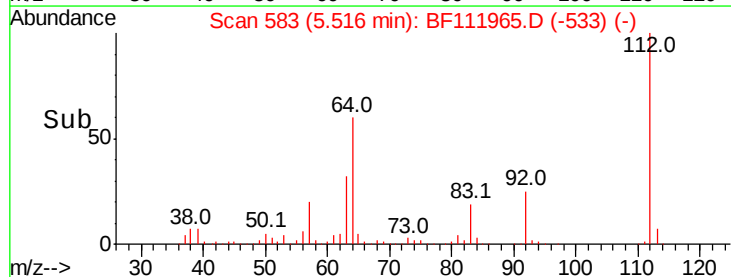
#5

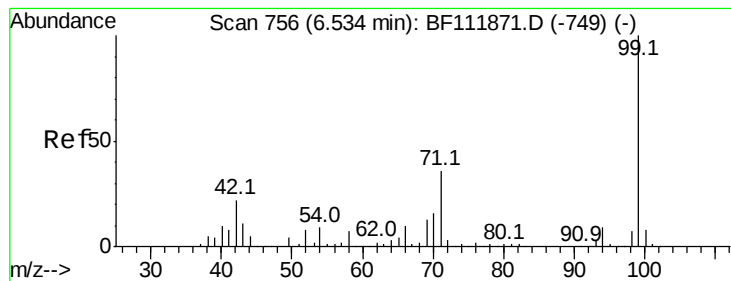
2-Fluorophenol
Concen: 59.209 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	48.3	72.5
63	32.3	26.1	39.1



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: 56.354 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

Instrument :

BNA_F

ClientSampled :

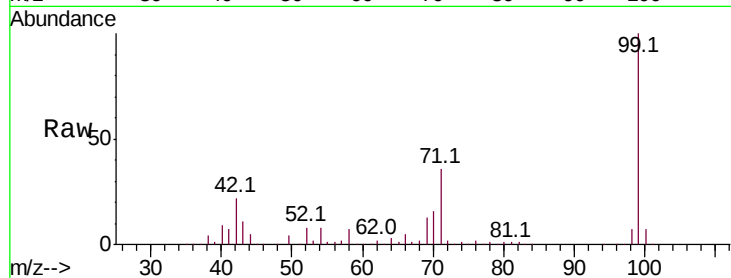
Tot Ion: 99 Resp: 661560

Ion	Ratio	Lower	Upper
99	100		
42	21.9	17.9	26.9
71	36.4	28.7	43.1

99 100

42 21.9 17.9 26.9

71 36.4 28.7 43.1

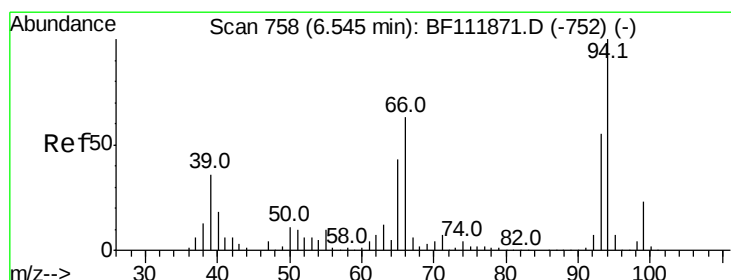
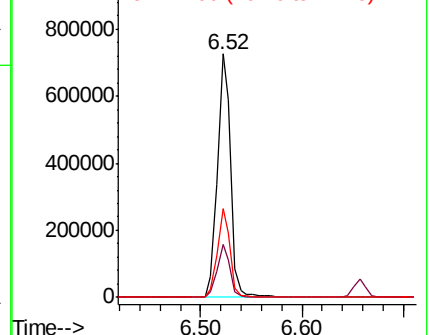
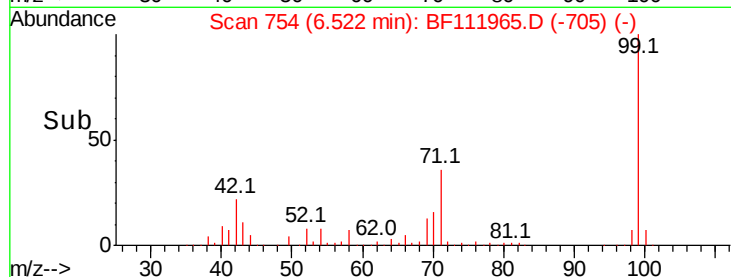


Abundance

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: 2.565 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

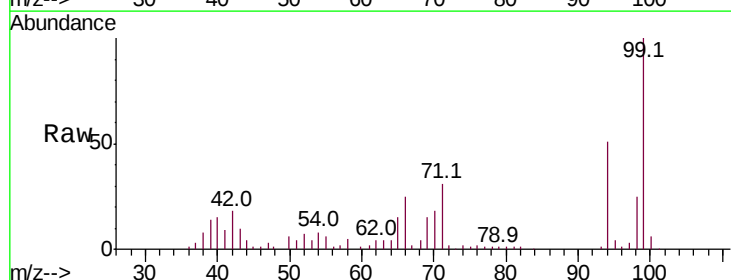
Tgt Ion: 94 Resp: 32728

Ion	Ratio	Lower	Upper
94	100		
65	30.5	22.8	62.8
66	49.0	43.3	83.3

94 100

65 30.5 22.8 62.8

66 49.0 43.3 83.3

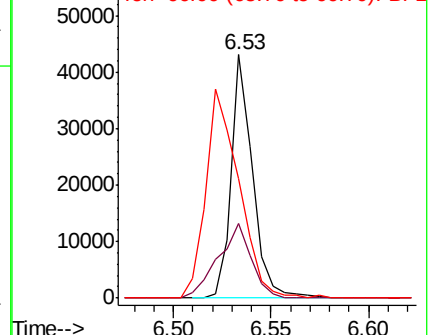
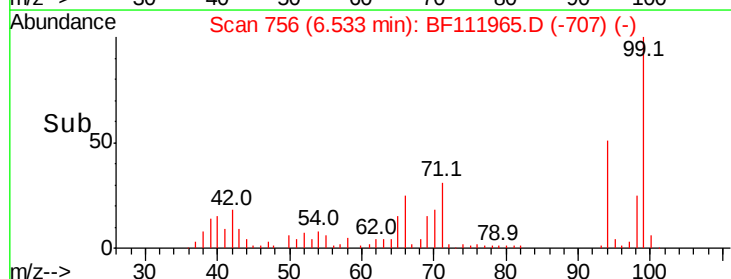


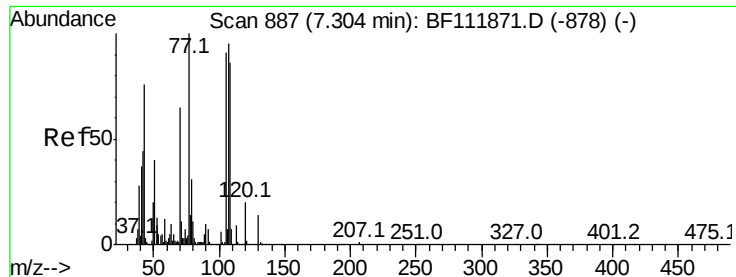
Abundance

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

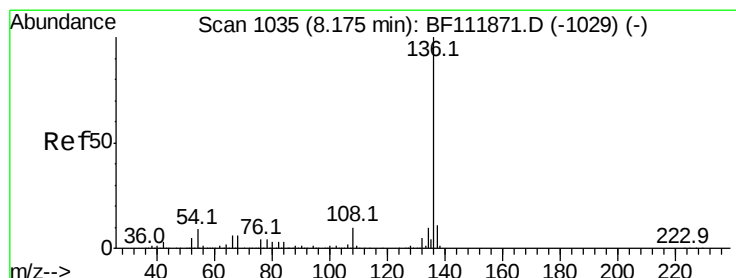
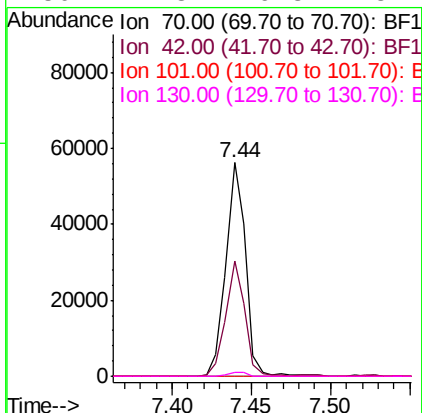
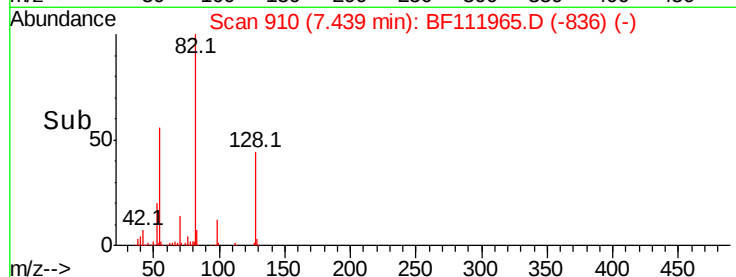
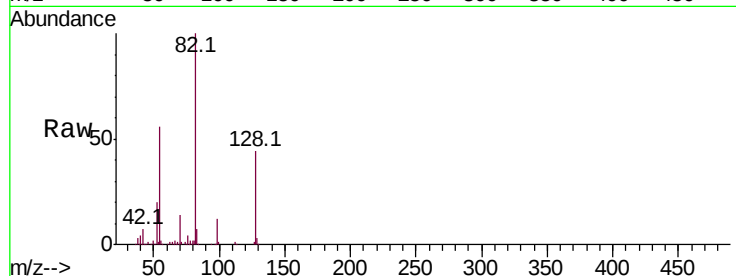




#19
n-Nitroso-di-n-propylamine
Concen: 6.361 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

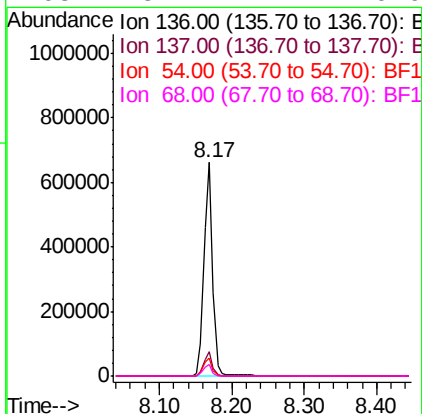
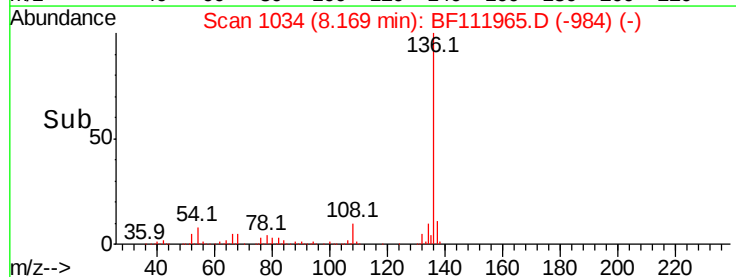
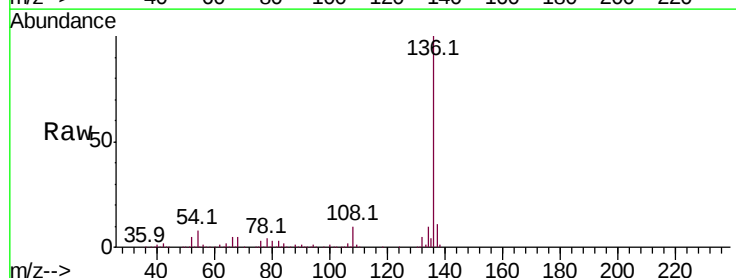
Instrument :
BNA_F
ClientSampleId :

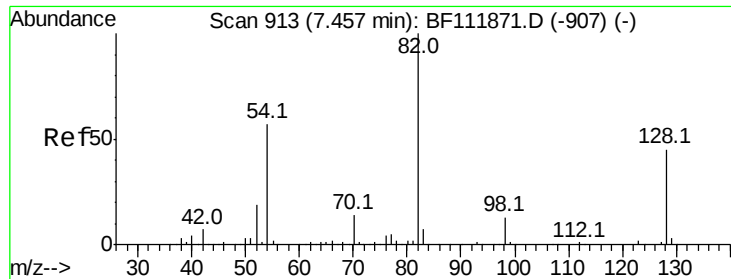
Tot Ion: 70 Resp: 48519
Ion Ratio Lower Upper
70 100
42 53.7 53.6 80.4
101 0.0 7.3 10.9#
130 1.8 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Tgt Ion:136 Resp: 552624
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.2 7.2 10.8
68 5.4 4.4 6.6

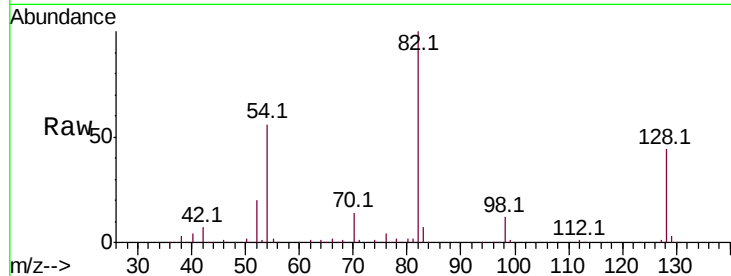




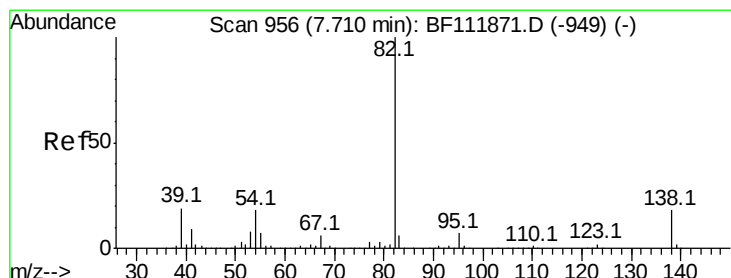
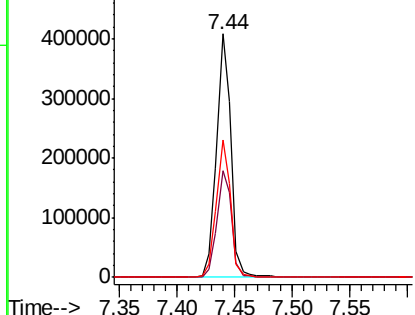
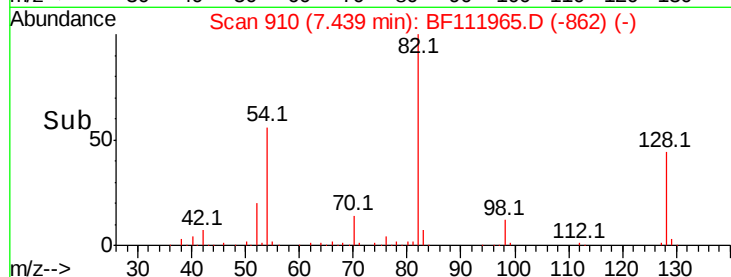
#23
 Nitrobenzene-d5
 Concen: 34.217 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF111965.D
 Acq: 9 Jan 2019 22:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 353806
 Ion Ratio Lower Upper
 82 100
 128 43.6 35.7 53.5
 54 56.5 45.8 68.8

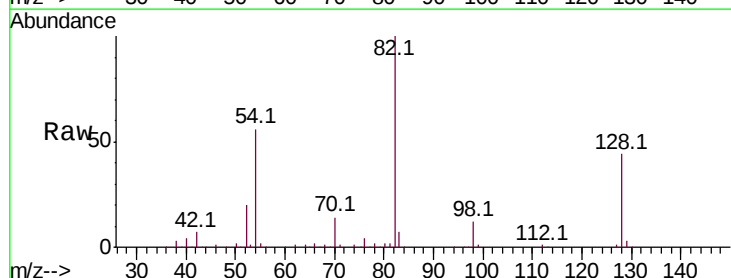


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

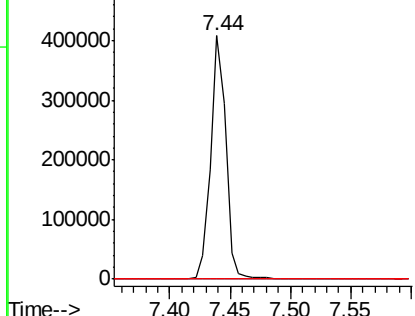
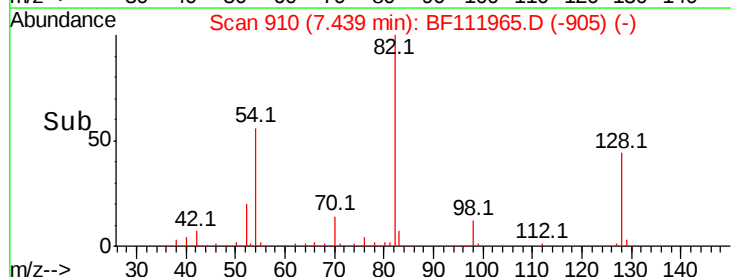


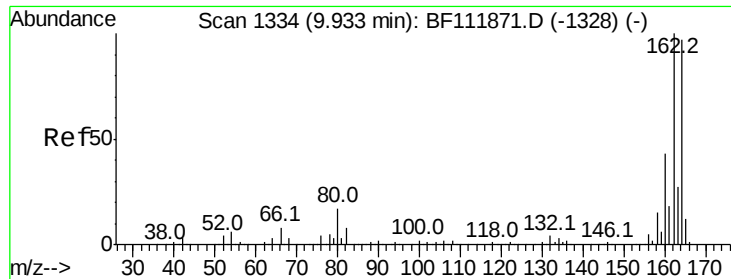
#25
 Isophorone
 Concen: 21.130 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF111965.D
 Acq: 9 Jan 2019 22:26

Tgt Ion: 82 Resp: 353802
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 14.4 21.6#



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

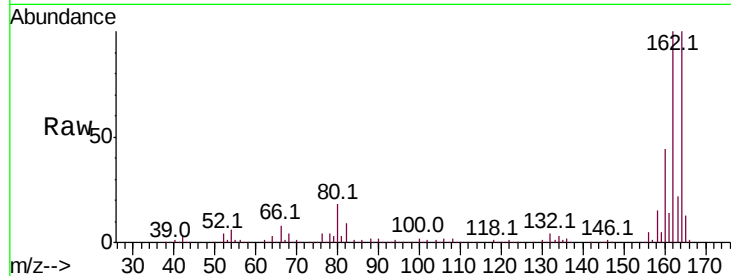




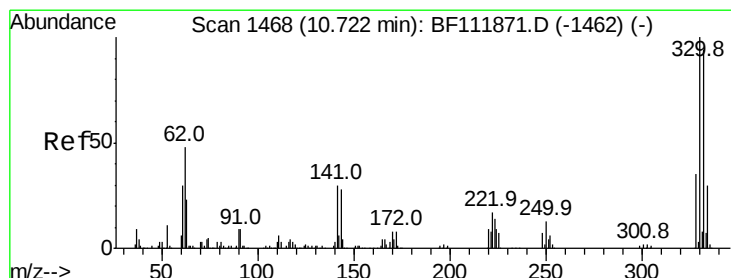
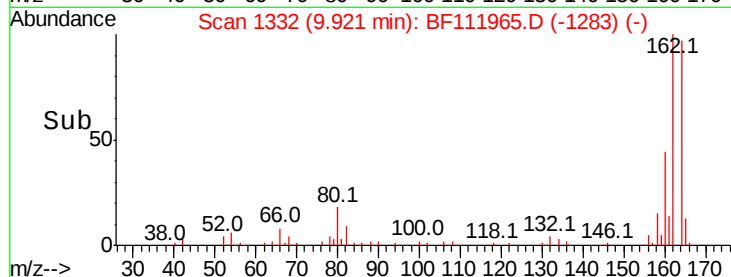
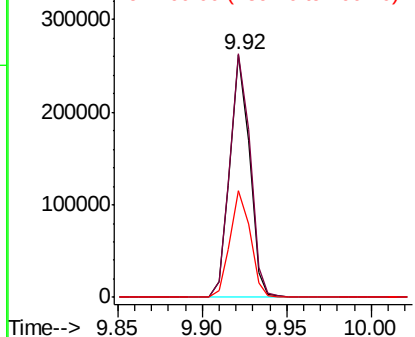
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 213168
Ion Ratio Lower Upper
164 100
162 100.3 82.2 123.2
160 44.1 35.5 53.3

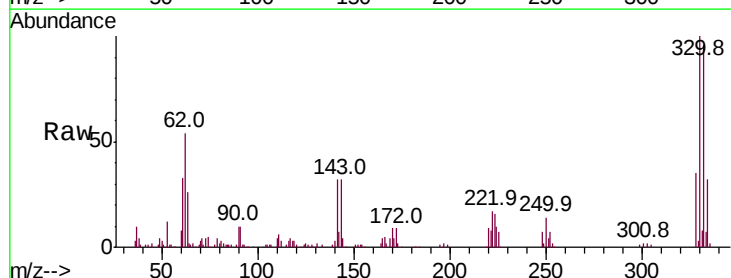


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

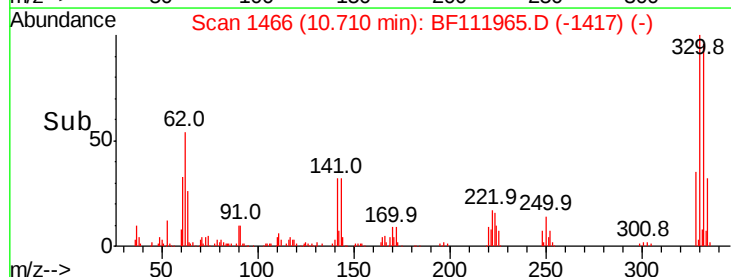
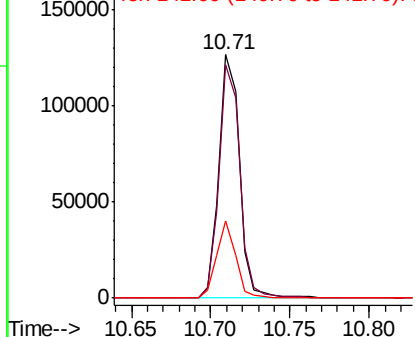


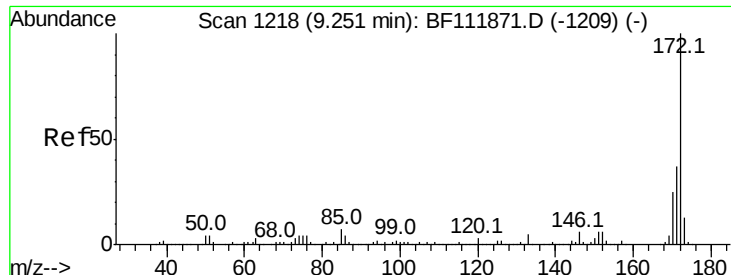
#42
2,4,6-Tribromophenol
Concen: 41.239 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Tgt Ion:330 Resp: 114342
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 29.8 23.7 35.5



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

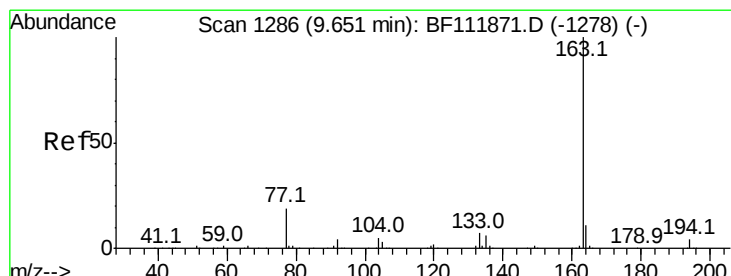
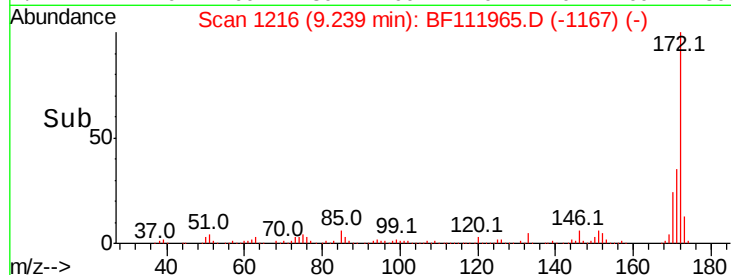
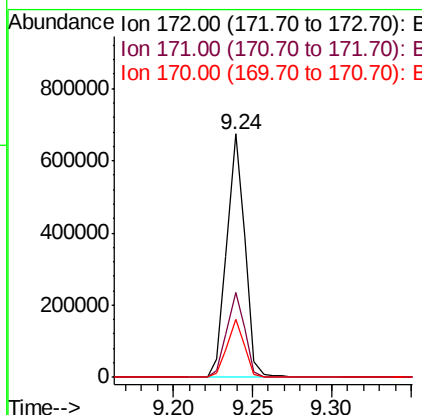
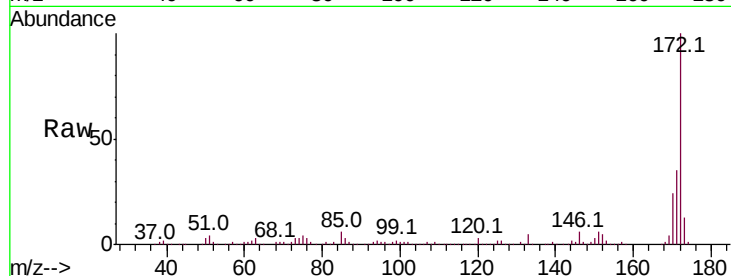




#45
 2-Fluorobiphenyl
 Concen: 36.826 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111965.D
 Acq: 9 Jan 2019 22:26

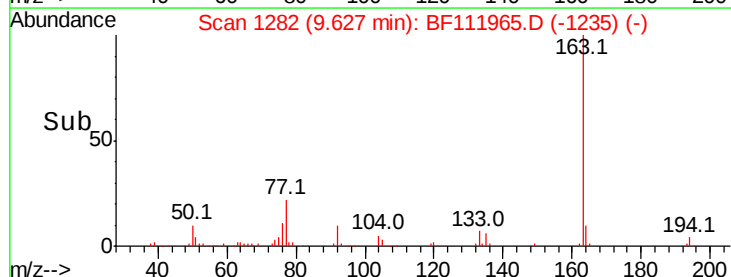
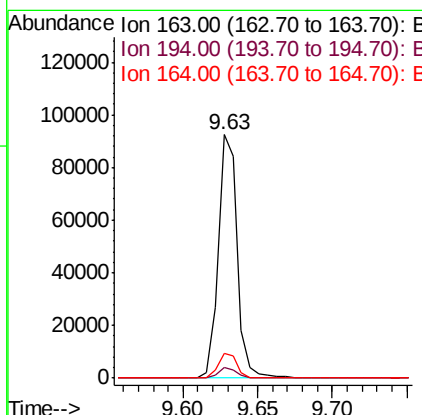
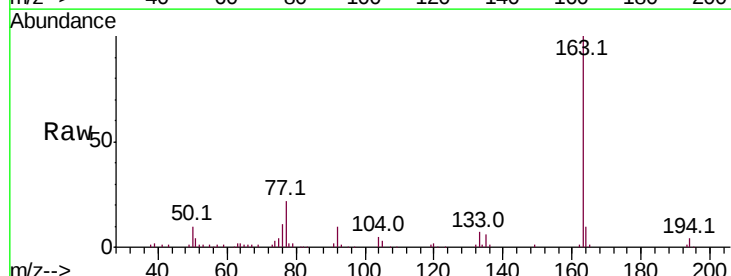
Instrument :
 BNA_F
 ClientSampleId :

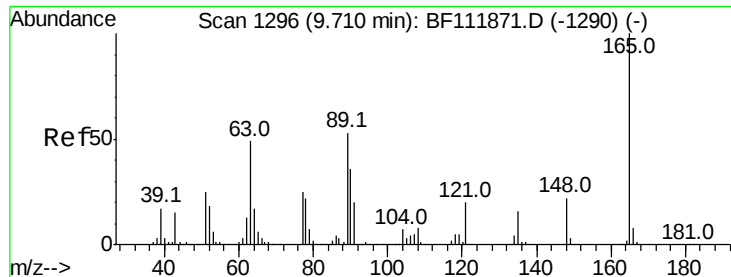
Tot Ion:172 Resp: 538348
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.6 19.8 29.8



#50
 Dimethylphthalate
 Concen: 5.117 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BF111965.D
 Acq: 9 Jan 2019 22:26

Tgt Ion:163 Resp: 81942
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.4 5.2
 164 10.0 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 7.507 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.21 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

Instrument :

BNA_F

ClientSampleId :

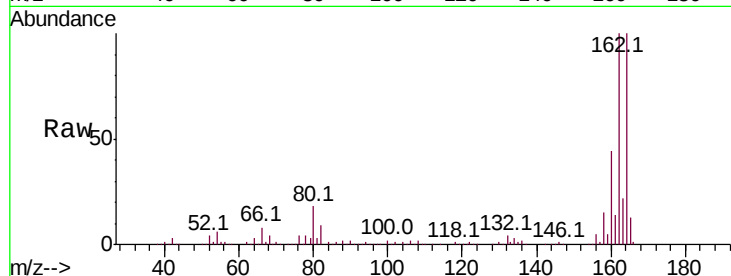
Tot Ion:165 Resp: 26883

Ion Ratio Lower Upper

165 100

63 1.8 46.2 69.2#

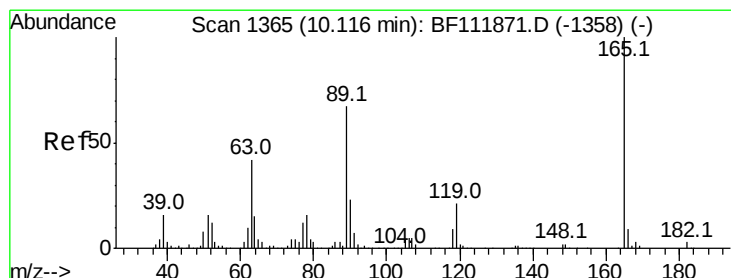
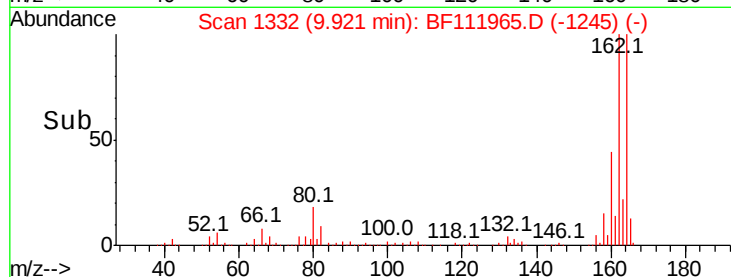
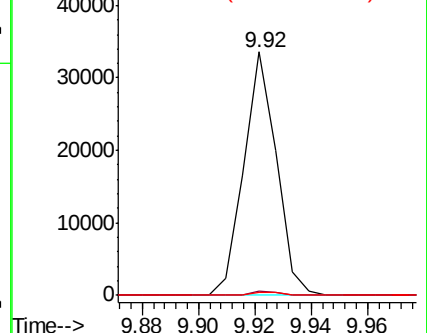
89 1.4 42.2 63.2#



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



#57

2,4-Dinitrotoluene

Concen: 5.810 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

Tgt Ion:165 Resp: 26883

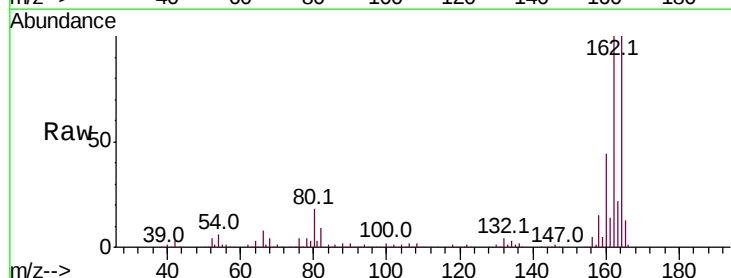
Ion Ratio Lower Upper

165 100

63 1.8 34.1 51.1#

89 1.4 53.5 80.3#

182 0.0 2.0 3.0#

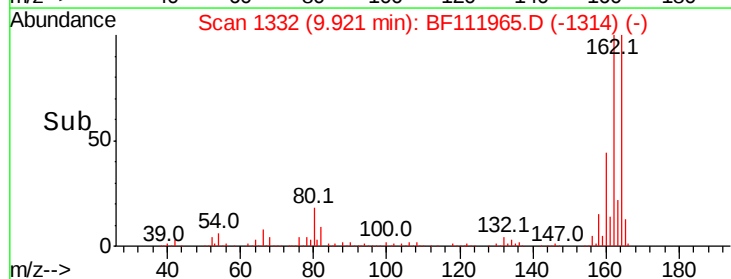
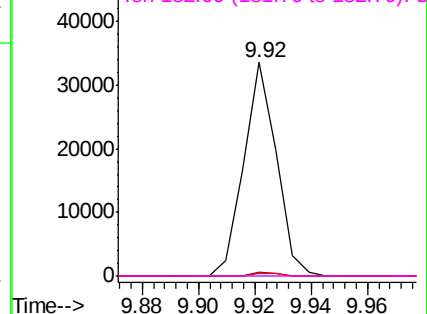


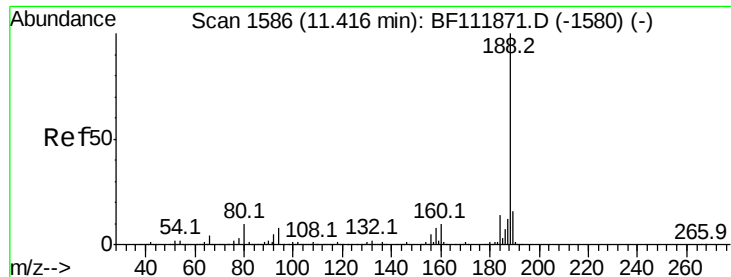
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

Instrument :

BNA_F

ClientSampleId :

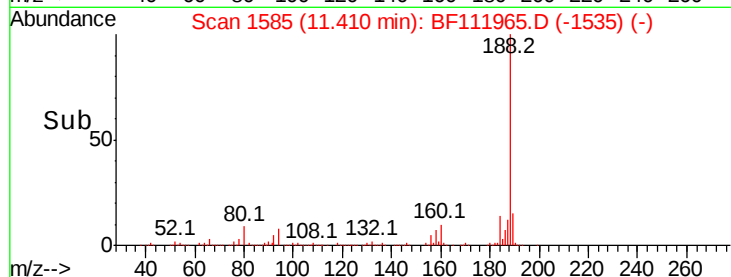
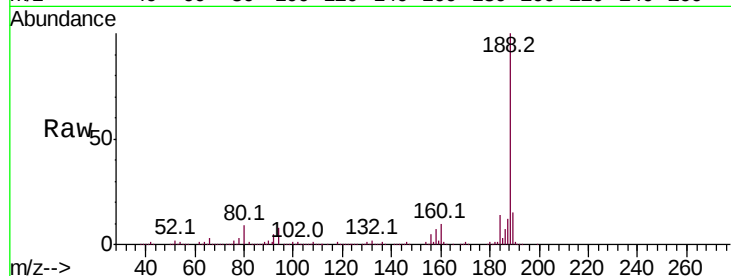
Tot Ion:188 Resp: 361363

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

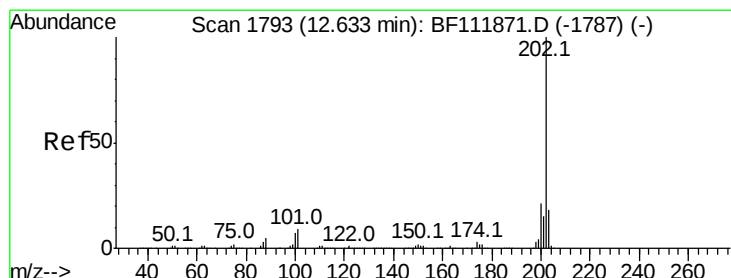
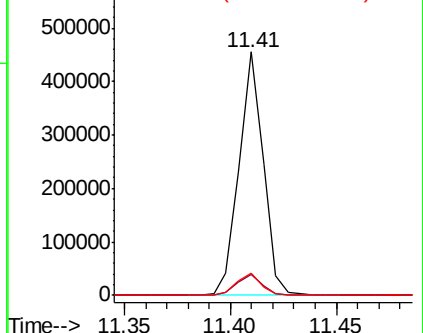
80 9.2 7.7 11.5



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



#75

Fluoranthene

Concen: 3.015 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

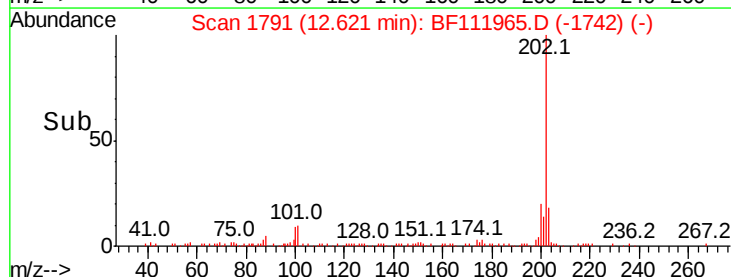
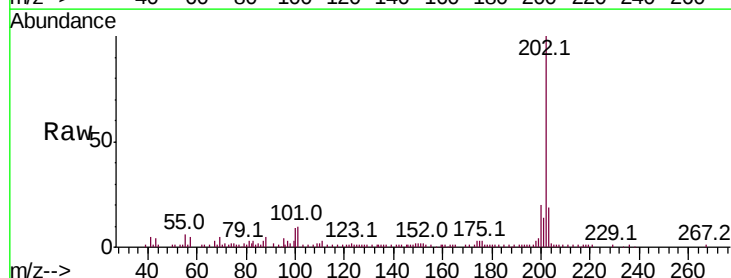
Tgt Ion:202 Resp: 59802

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.3

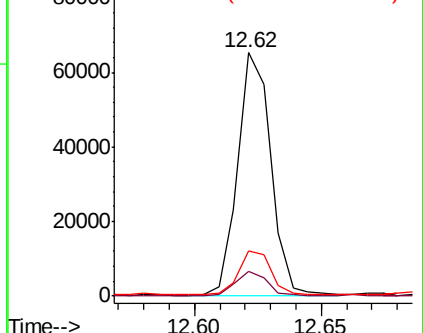
203 18.7 0.0 37.6

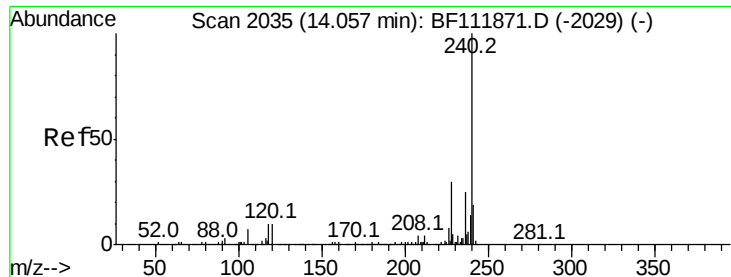


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

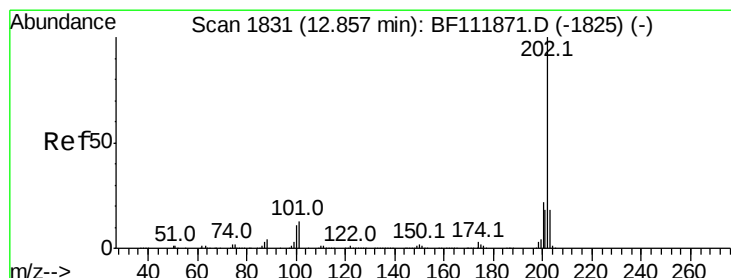
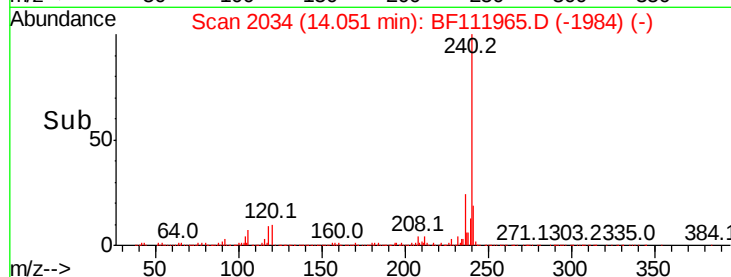
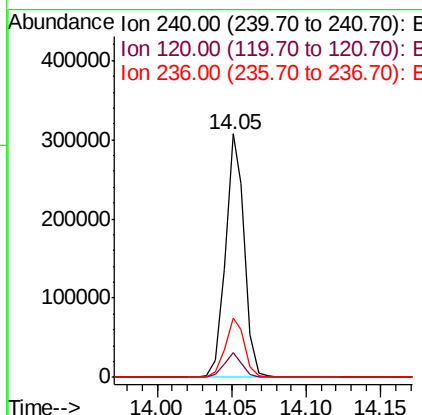
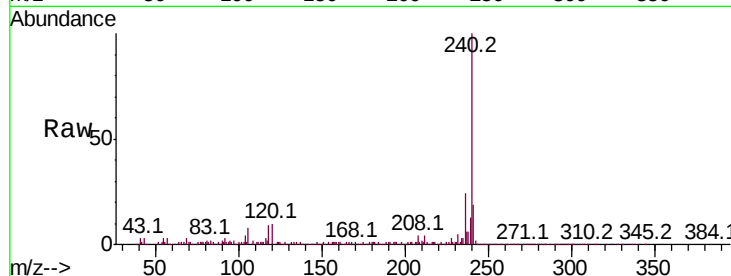




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111965.D
 Acq: 9 Jan 2019 22:26

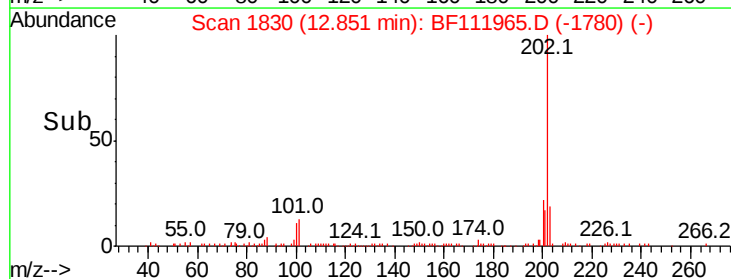
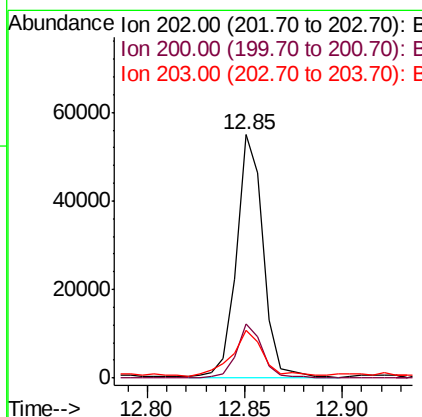
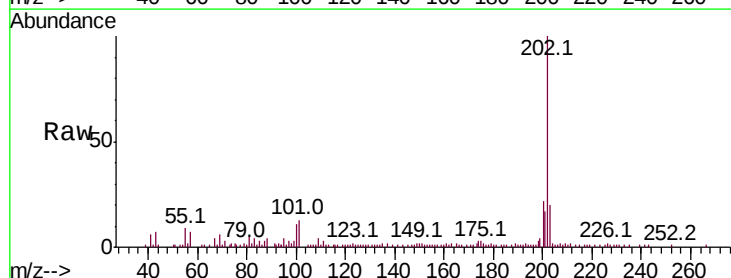
Instrument :
 BNA_F
 ClientSampleId :

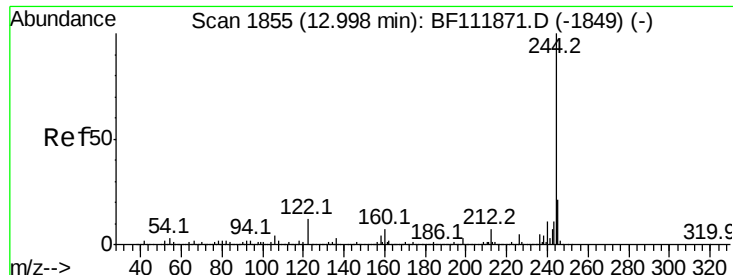
Tot Ion:240 Resp: 273708
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.2 12.2
 236 24.1 20.2 30.4



#78
 Pyrene
 Concen: 2.779 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF111965.D
 Acq: 9 Jan 2019 22:26

Tgt Ion:202 Resp: 52333
 Ion Ratio Lower Upper
 202 100
 200 22.4 17.4 26.2
 203 19.5 14.6 21.8





#79

Terphenyl-d14

Concen: 38.744 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

Instrument :

BNA_F

ClientSampleId :

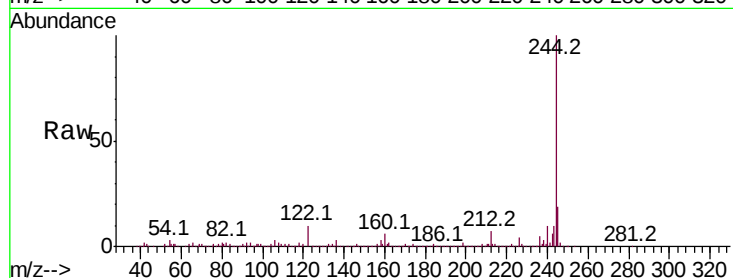
Tot Ion:244 Resp: 558650

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

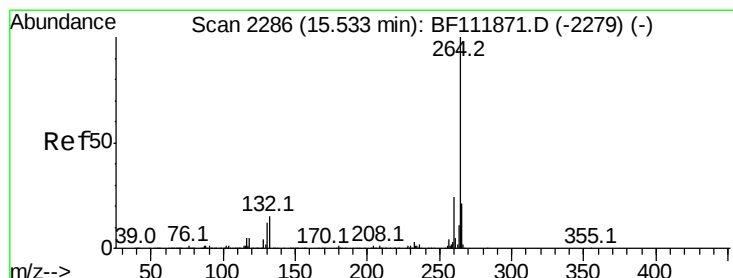
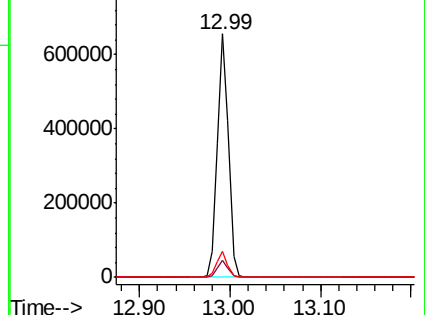
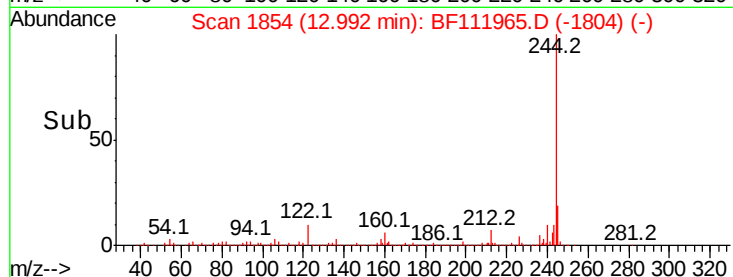
122 10.4 9.5 14.3



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: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF111965.D

Acq: 9 Jan 2019 22:26

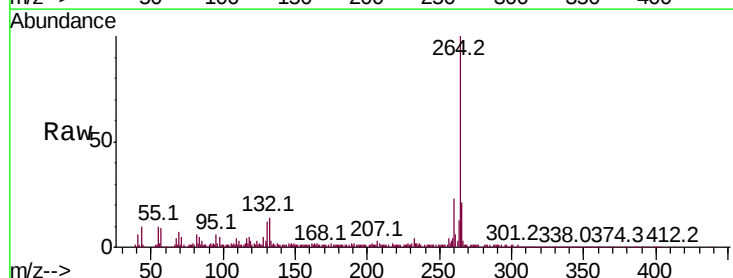
Tgt Ion:264 Resp: 208247

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

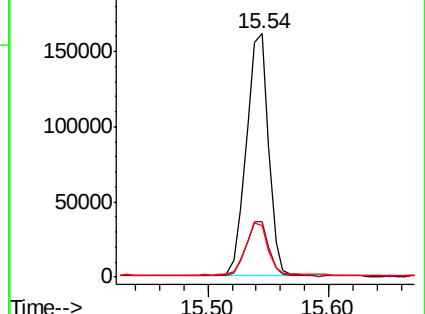
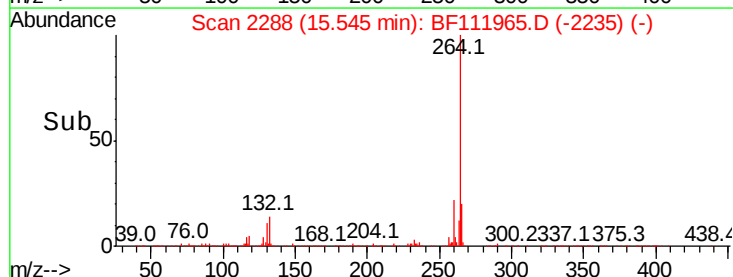
265 21.0 17.1 25.7

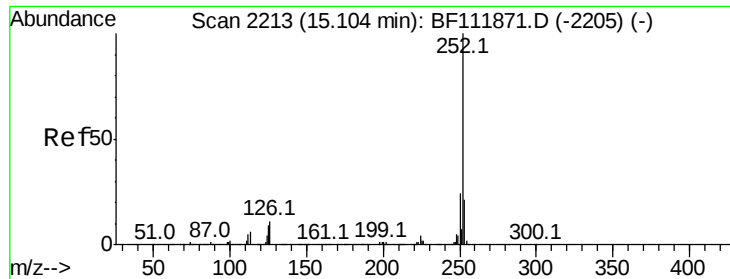


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

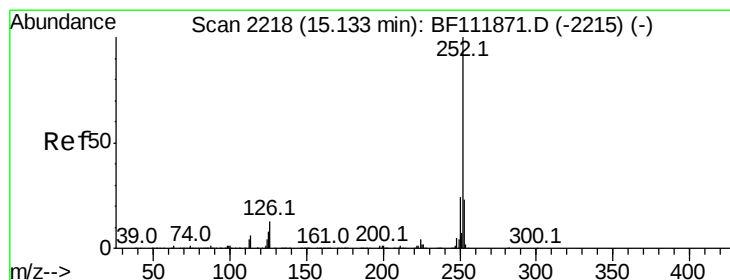
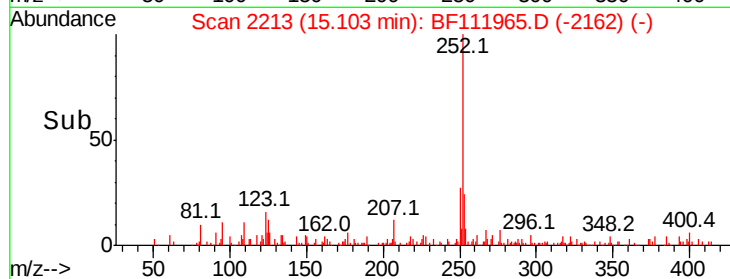
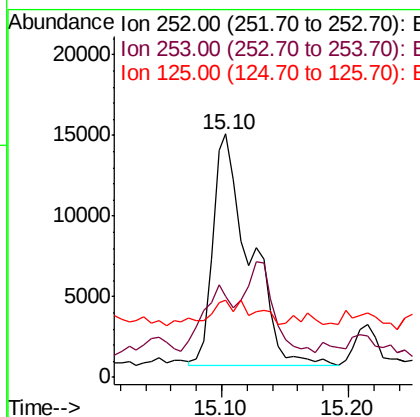
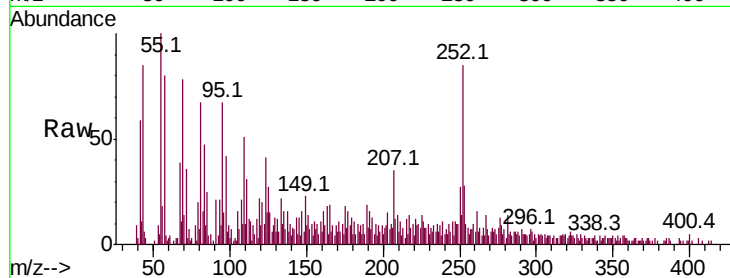




#88
Benzo(b)fluoranthene
Concen: 2.352 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 29302
Ion Ratio Lower Upper
252 100
253 33.1 17.0 25.6#
125 32.0 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 2.502 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF111965.D
Acq: 9 Jan 2019 22:26

Tgt Ion:252 Resp: 29302
Ion Ratio Lower Upper
252 100
253 33.1 17.8 26.6#
125 32.0 7.0 10.4#

