

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111967.D
 Acq On : 9 Jan 2019 23:20
 Operator : JU/SJ
 Sample : K1075-11RE 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:55:17 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	141851	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	467548	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	219652	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	357008	20.00	ng	0.00
76) Chrysene-d12	14.06	240	252466	20.00	ng	0.00
87) Perylene-d12	15.54	264	177298	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	389372	46.96	ng	0.00
7) Phenol-d6	6.52	99	463593	43.38	ng	-0.01
23) Nitrobenzene-d5	7.44	82	285389	32.62	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	106369	37.23	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	460892	30.60	ng	-0.01
79) Terphenyl-d14	12.99	244	317742	23.89	ng	0.00

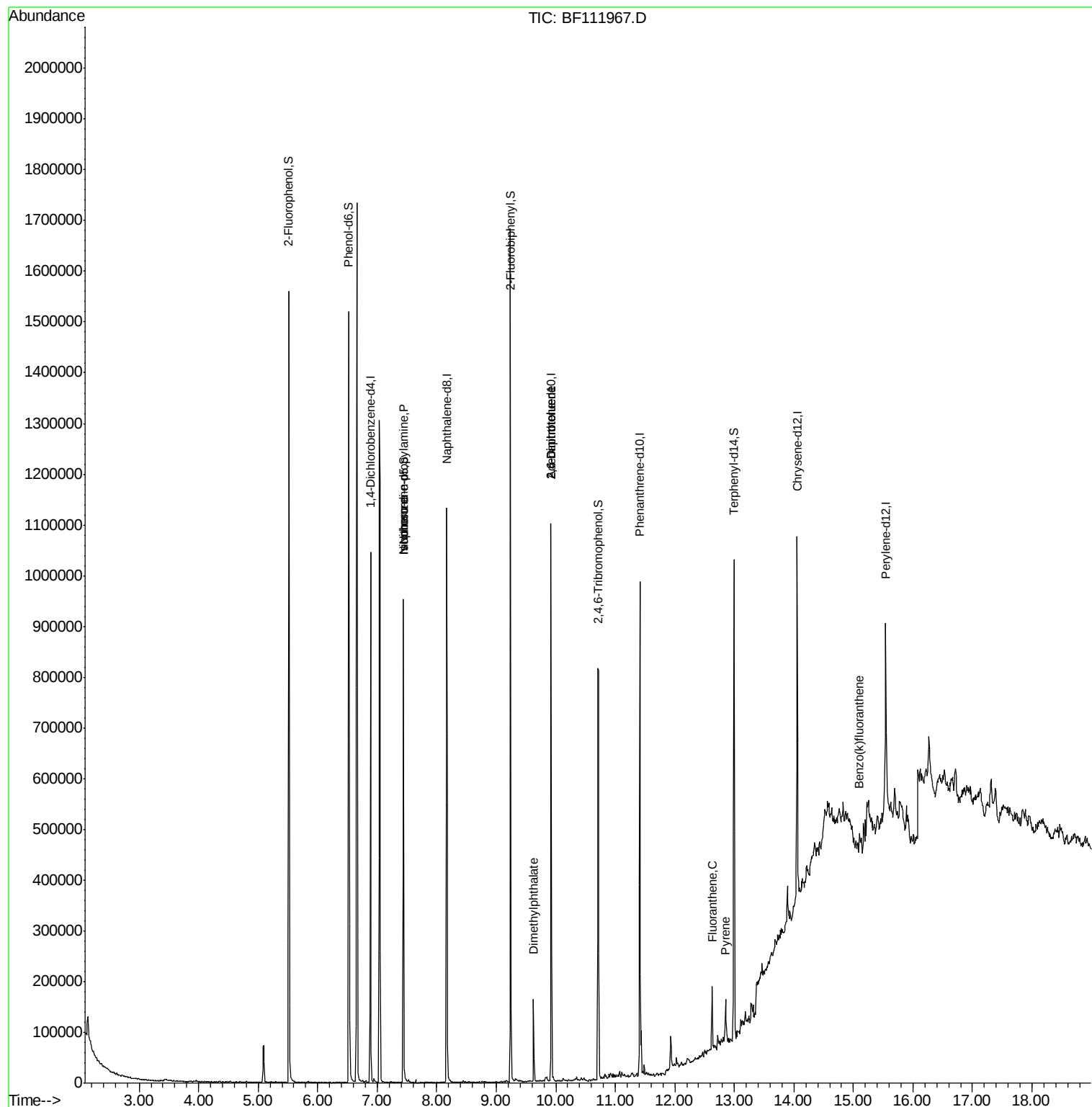
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	989	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	38915	5.604	ng	# 75
25) Isophorone	7.44	82	285386	20.146	ng	# 65
50) Dimethylphthalate	9.63	163	68911	4.176	ng	# 99
51) 2,6-Dinitrotoluene	9.92	165	27894	7.560	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	27894	5.850	ng	# 27
75) Fluoranthene	12.63	202	48120	2.456	ng	# 97
78) Pyrene	12.86	202	35808	2.061	ng	# 95
89) Benzo(k)fluoranthene	15.10	252	21205	2.127	ng	# 59

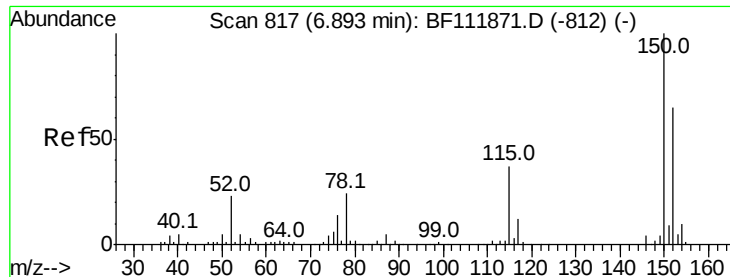
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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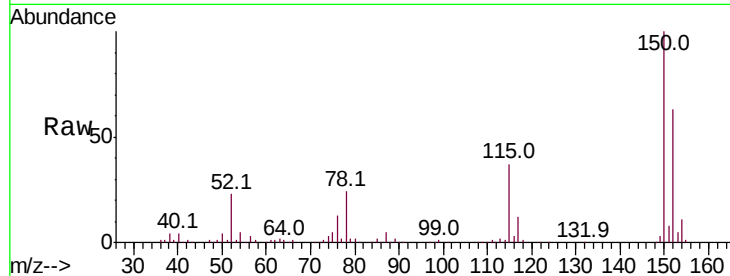


#1

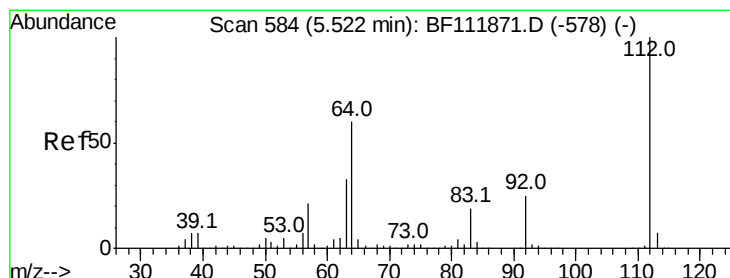
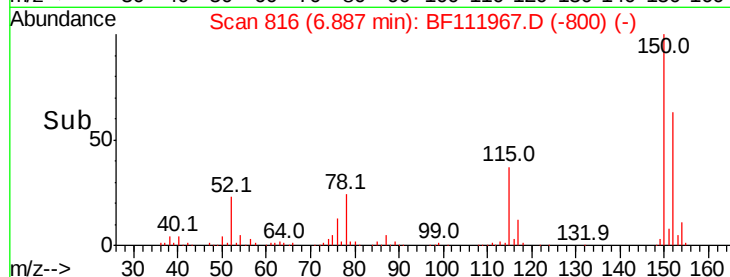
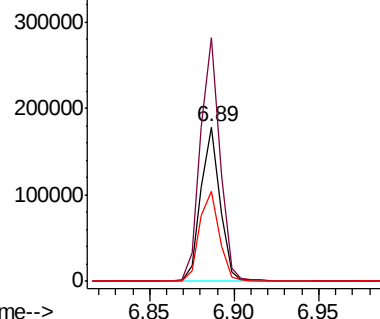
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111967.D
Acq: 9 Jan 2019 23:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141851
Ion Ratio Lower Upper
152 100
150 157.5 122.7 184.1
115 57.9 45.2 67.8



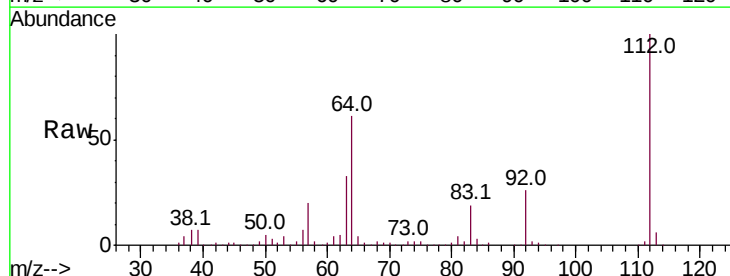
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



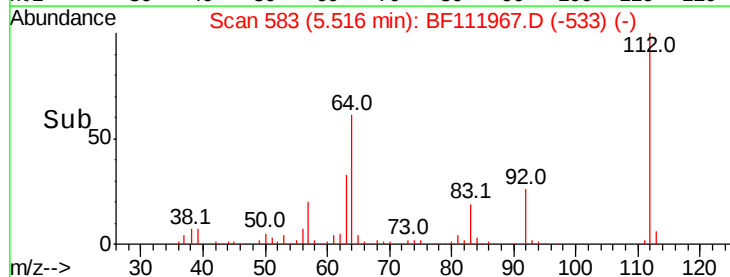
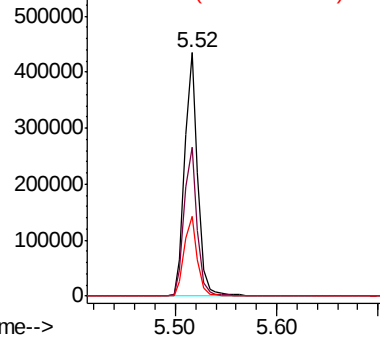
#5

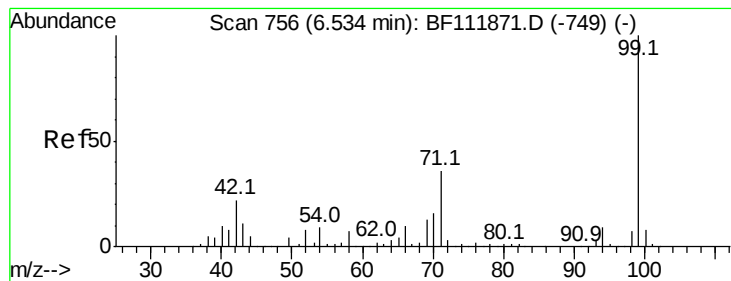
2-Fluorophenol
Concen: 46.961 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111967.D
Acq: 9 Jan 2019 23:20

Tgt Ion:112 Resp: 389372
Ion Ratio Lower Upper
112 100
64 61.4 48.3 72.5
63 32.6 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: 43.381 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampleId :

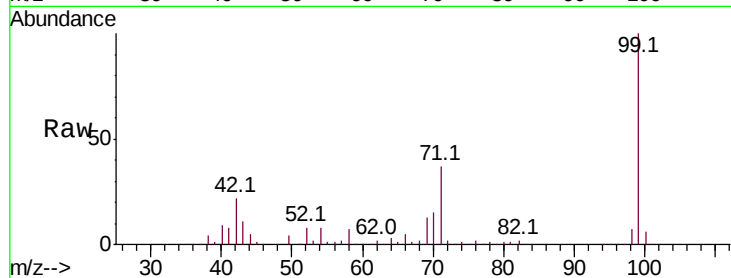
Tot Ion: 99 Resp: 463593

Ion Ratio Lower Upper

99 100

42 22.1 17.9 26.9

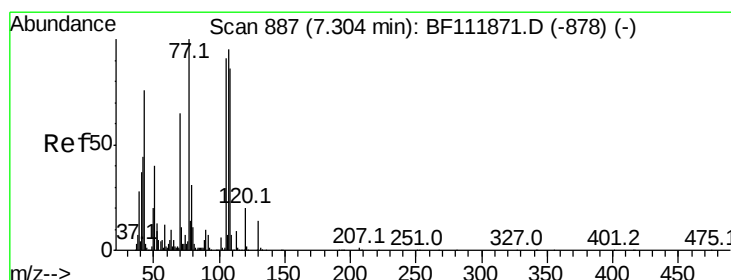
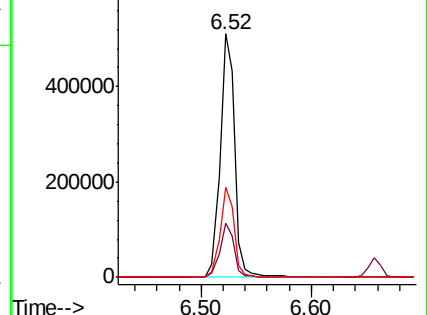
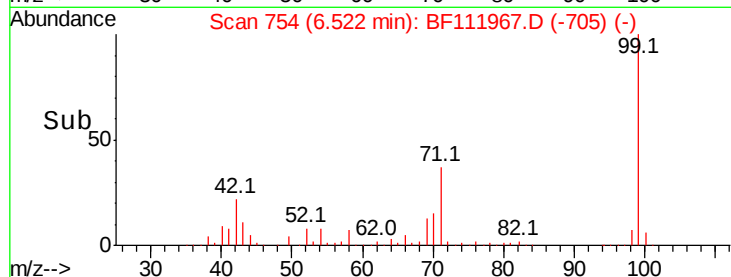
71 37.0 28.7 43.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.604 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Tgt Ion: 70 Resp: 38915

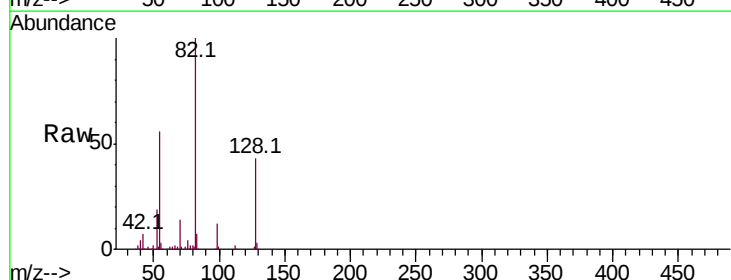
Ion Ratio Lower Upper

70 100

42 50.7 53.6 80.4#

101 0.0 7.3 10.9#

130 1.7 16.8 25.2#

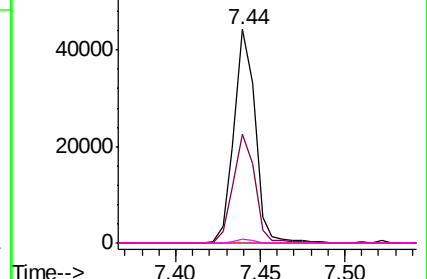
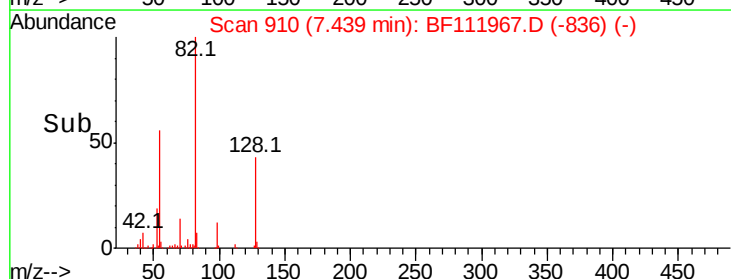


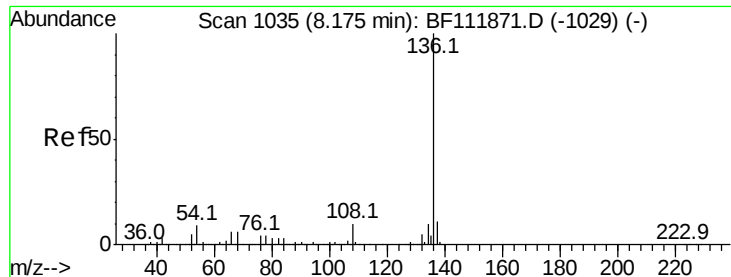
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 467548

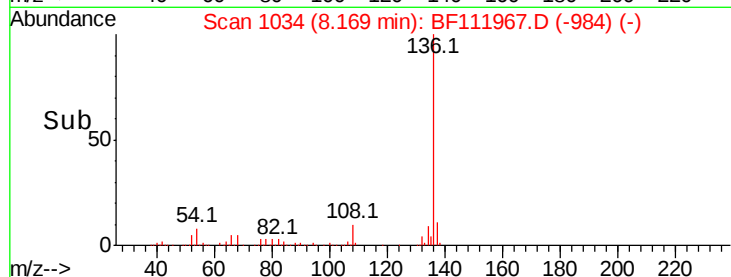
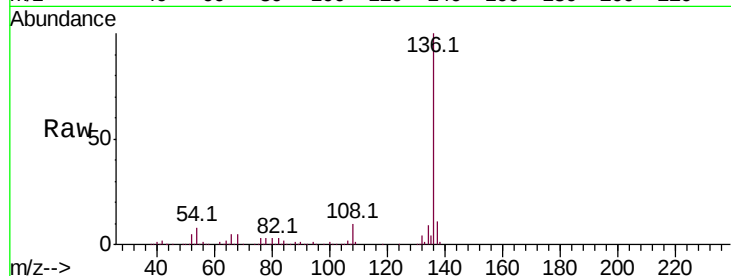
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.6 7.2 10.8

68 4.6 4.4 6.6

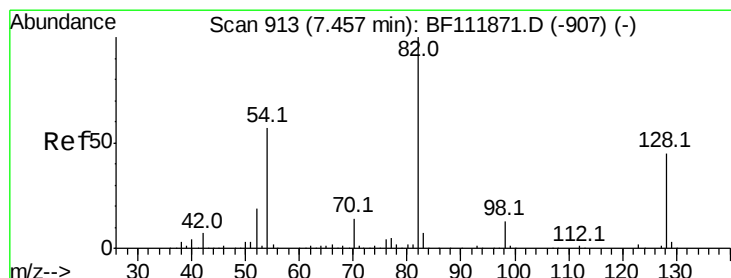
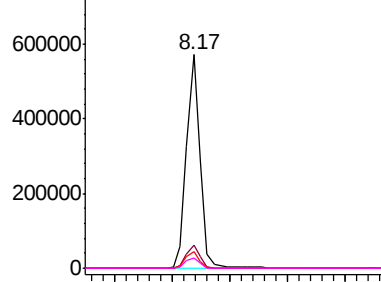


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.623 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

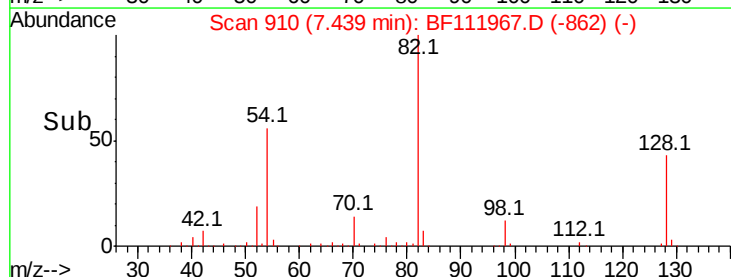
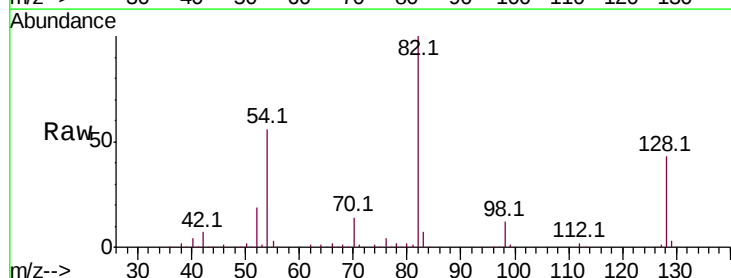
Tgt Ion: 82 Resp: 285389

Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

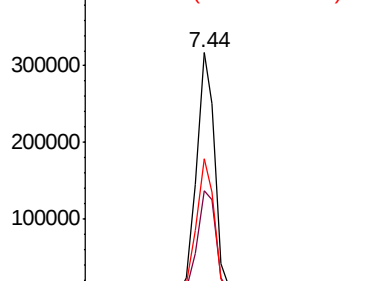
54 56.4 45.8 68.8

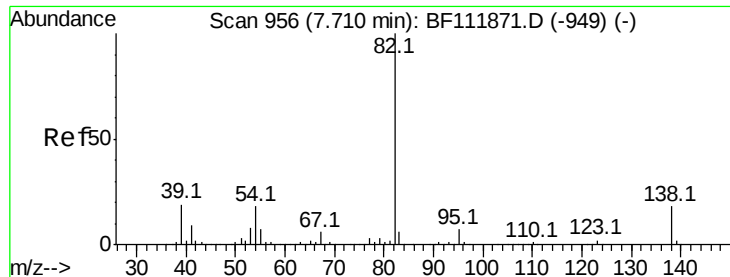


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.146 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampled :

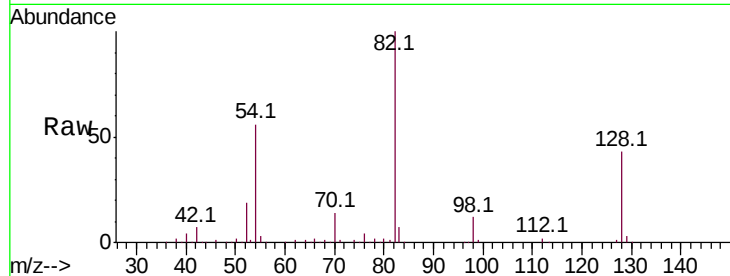
Tot Ion: 82 Resp: 285386

Ion Ratio Lower Upper

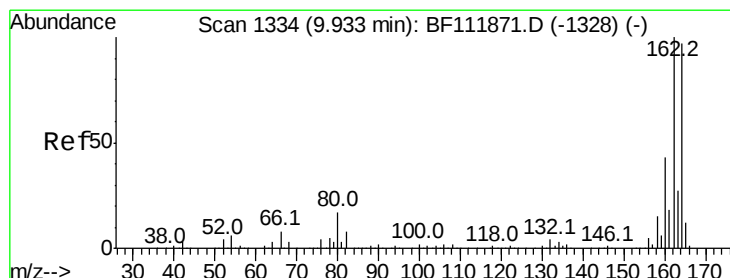
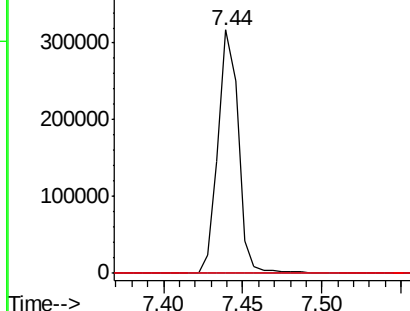
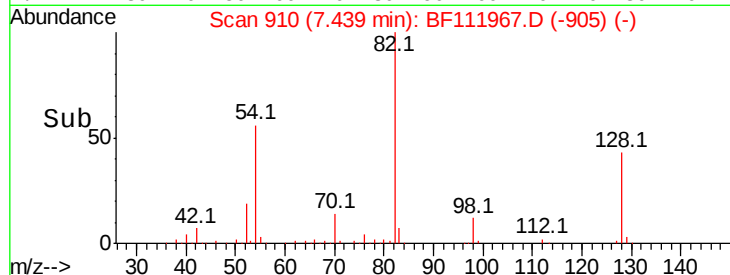
82 100

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: BF111967.D

Acq: 9 Jan 2019 23:20

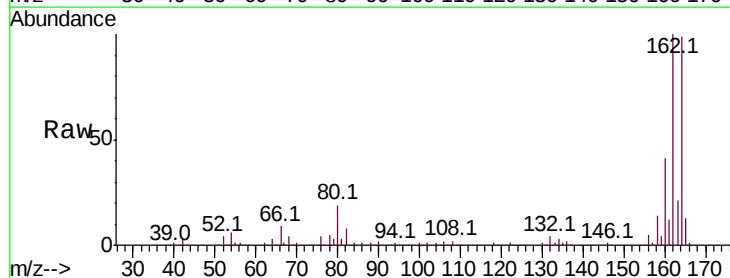
Tgt Ion: 164 Resp: 219652

Ion Ratio Lower Upper

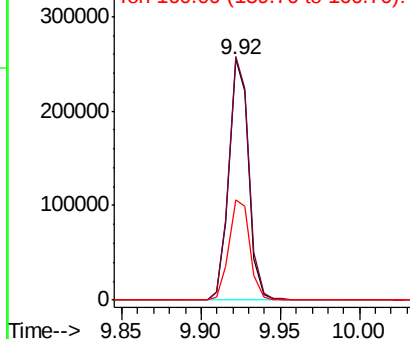
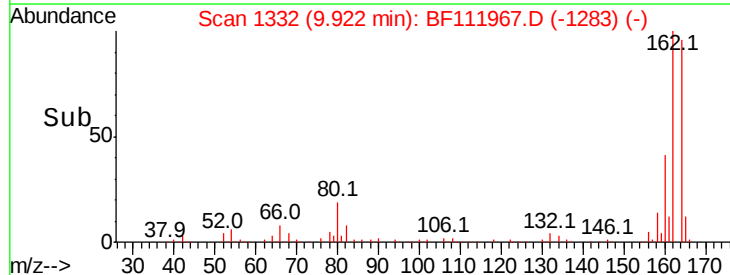
164 100

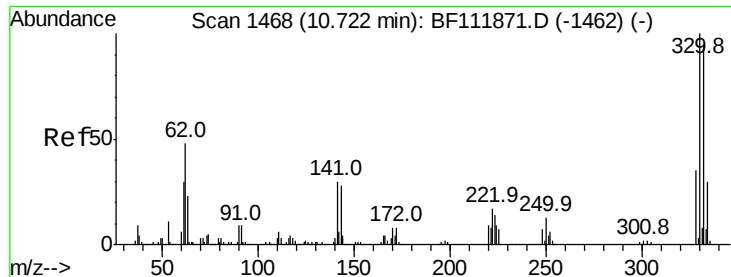
162 101.1 82.2 123.2

160 41.7 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

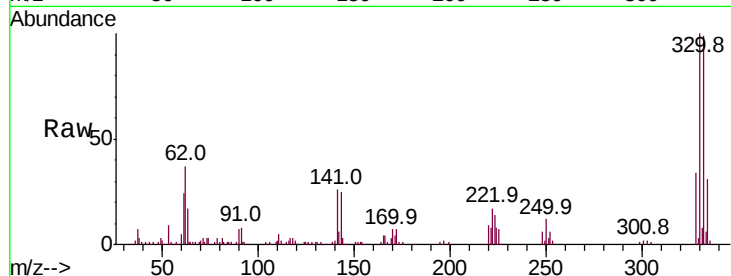




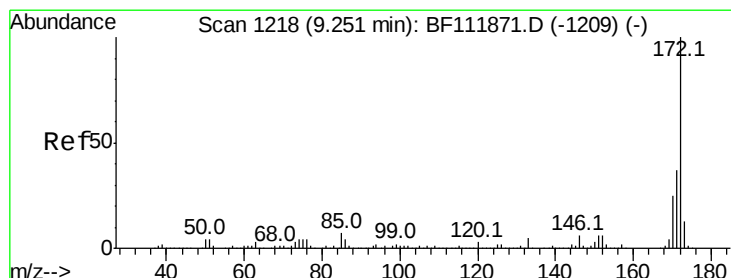
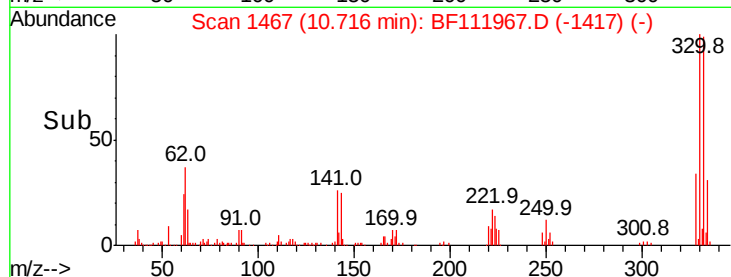
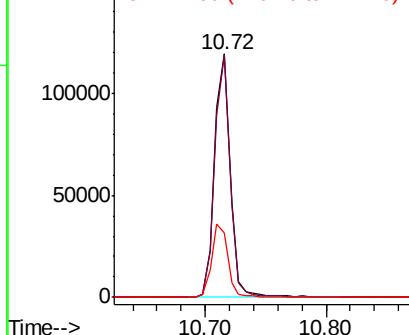
#42
 2,4,6-Tribromophenol
 Concen: 37.231 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111967.D
 Acq: 9 Jan 2019 23:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.9	115.3
141	31.0	23.7	35.5

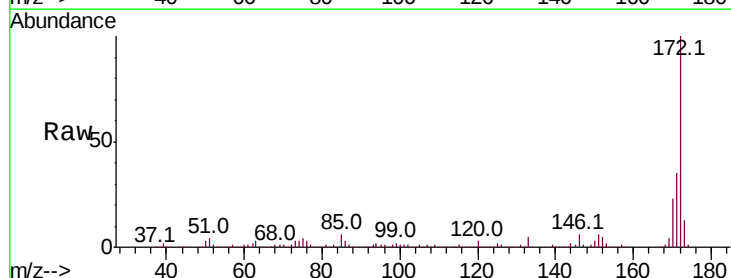


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

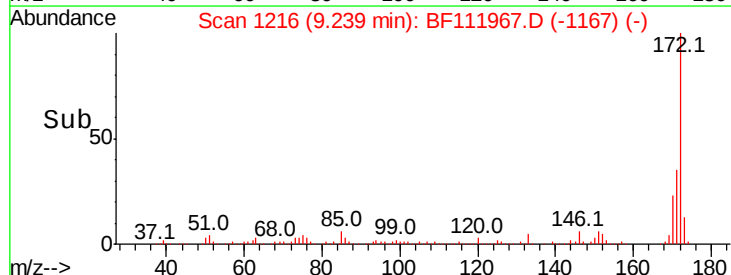
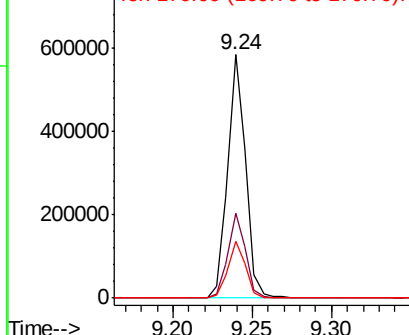


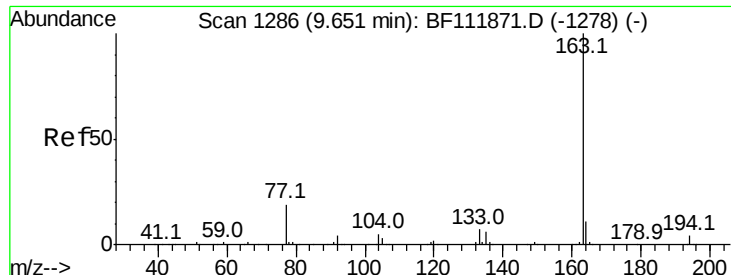
#45
 2-Fluorobiphenyl
 Concen: 30.597 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111967.D
 Acq: 9 Jan 2019 23:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.3	19.8	29.8



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: 4.176 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampleId :

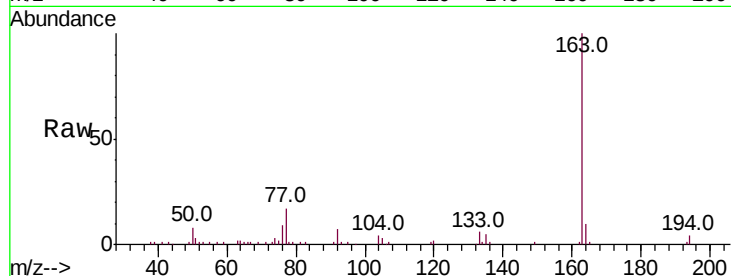
Tot Ion:163 Resp: 68911

Ion Ratio Lower Upper

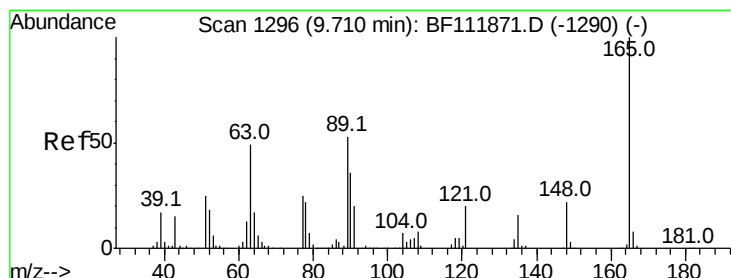
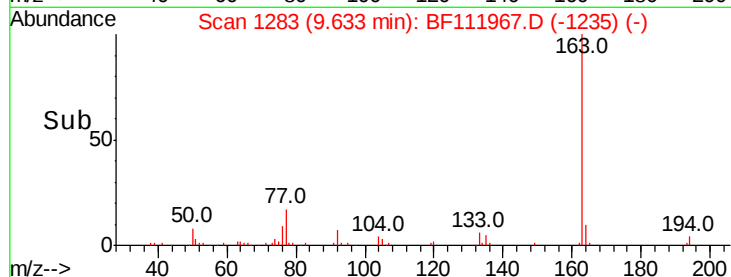
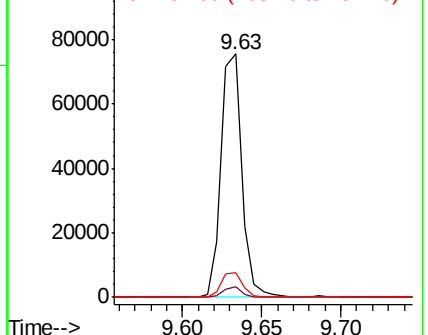
163 100

194 4.3 3.4 5.2

164 10.0 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.560 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.21 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

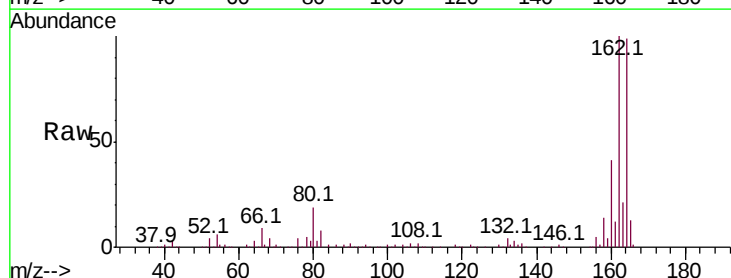
Tgt Ion:165 Resp: 27894

Ion Ratio Lower Upper

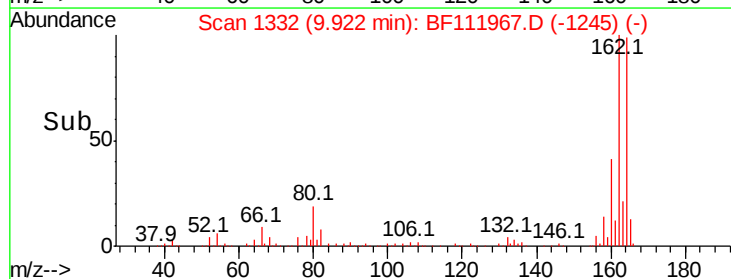
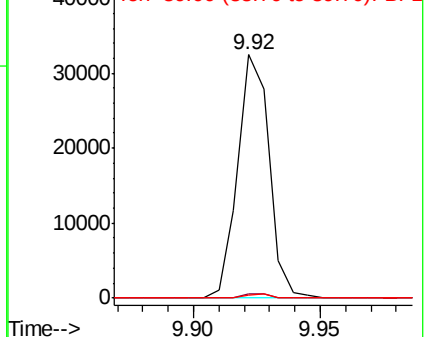
165 100

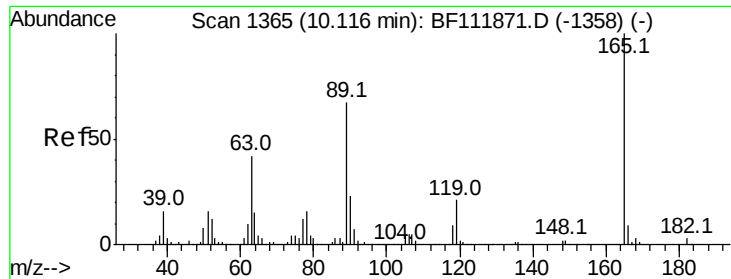
63 1.8 46.2 69.2#

89 1.3 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

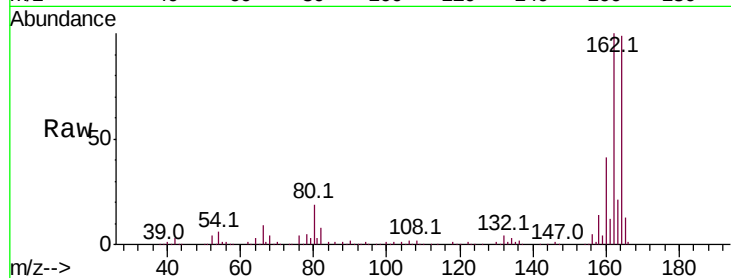




#57
 2,4-Dinitrotoluene
 Concen: 5.850 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111967.D
 Acq: 9 Jan 2019 23:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.1	51.1#
89	1.3	53.5	80.3#
182	0.0	2.0	3.0#

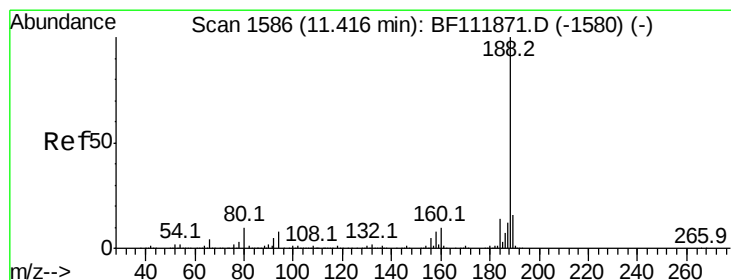
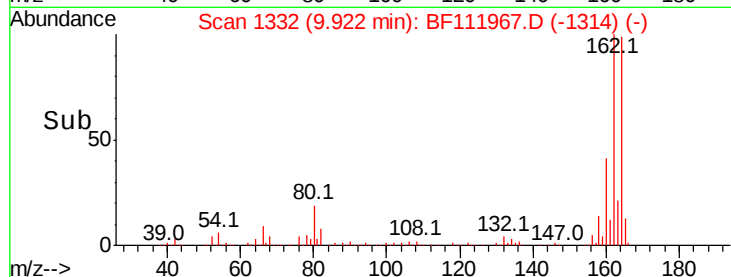
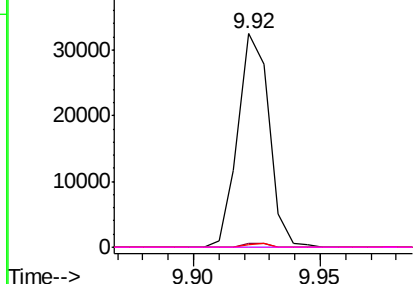


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

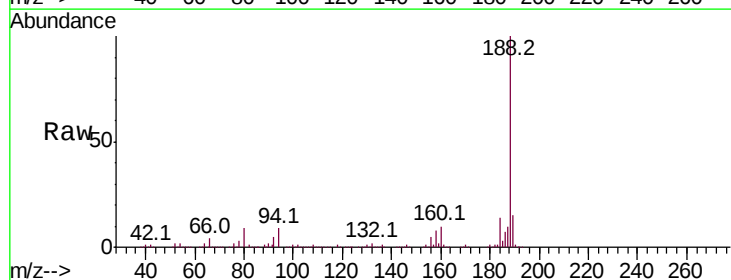
Ion 89.00 (88.70 to 89.70): BF1

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: BF111967.D
 Acq: 9 Jan 2019 23:20

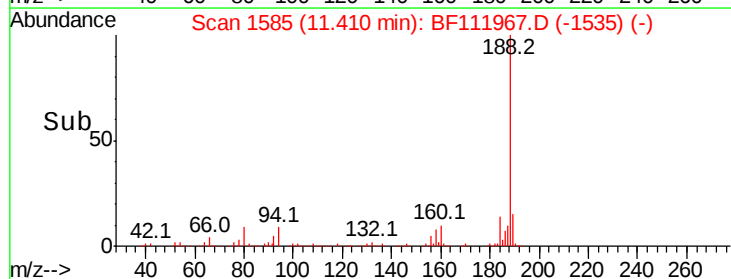
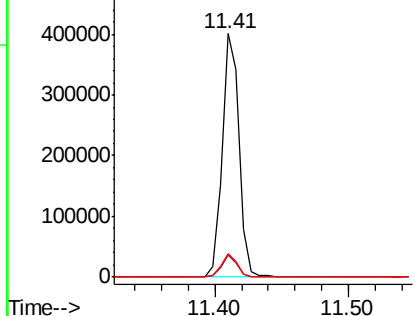
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.5	7.7	11.5

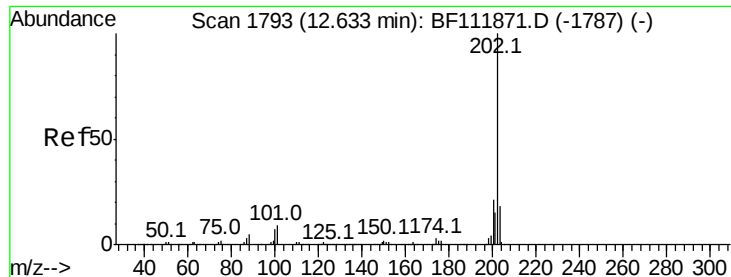


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.456 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampleId :

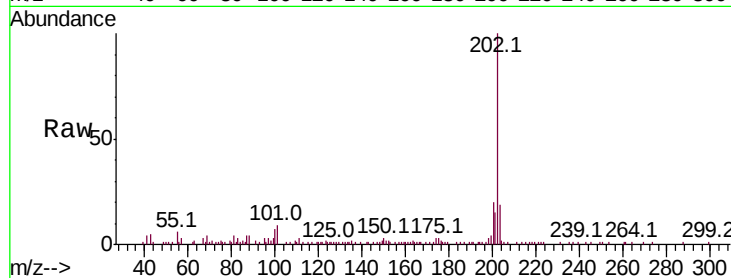
Tot Ion:202 Resp: 48120

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.3

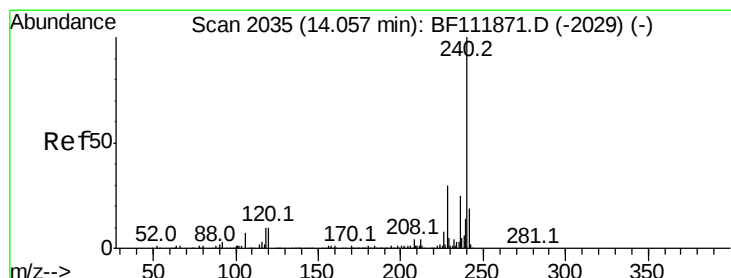
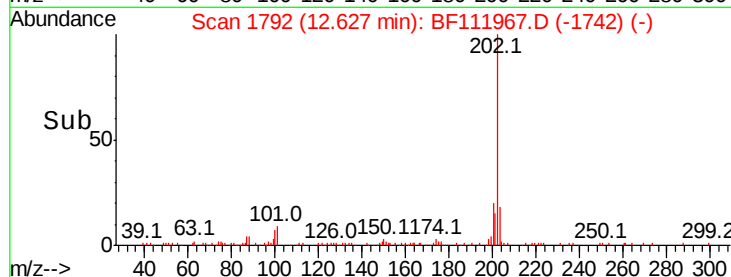
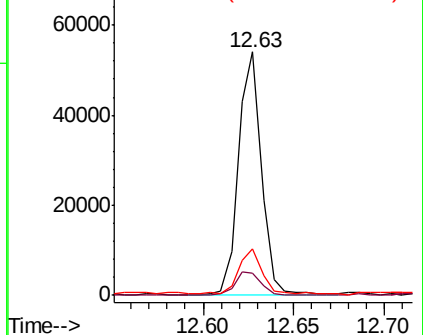
203 19.1 0.0 37.6



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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

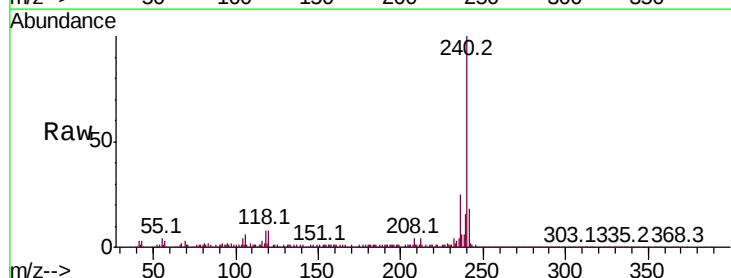
Tgt Ion:240 Resp: 252466

Ion Ratio Lower Upper

240 100

120 8.2 8.2 12.2

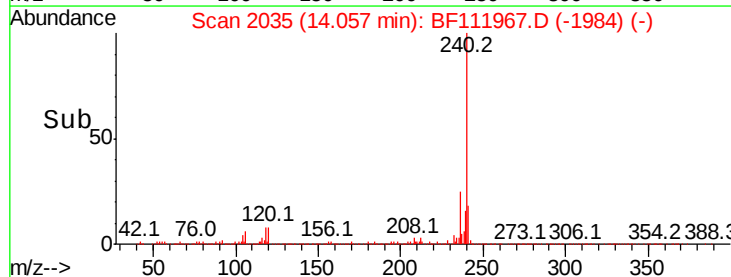
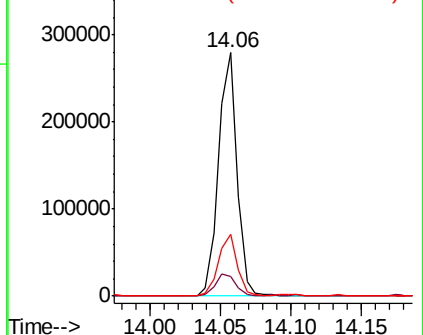
236 25.2 20.2 30.4

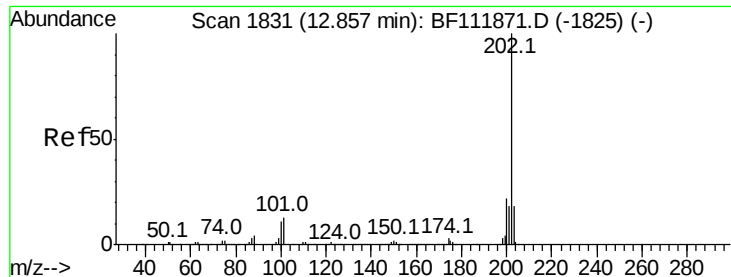


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.061 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampled :

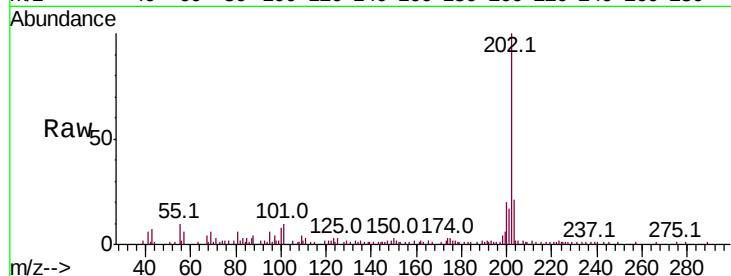
Tot Ion:202 Resp: 35808

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

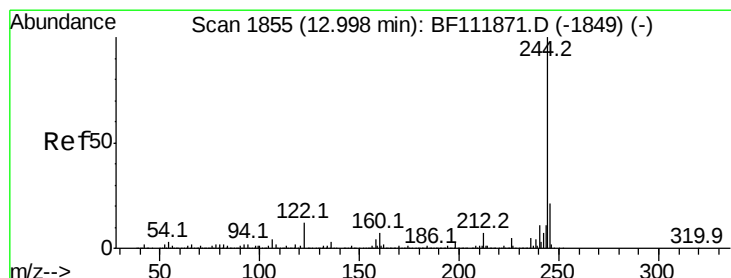
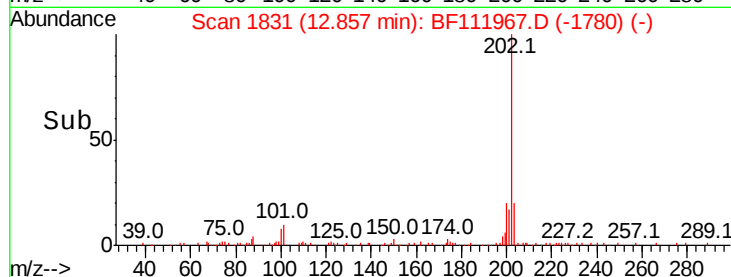
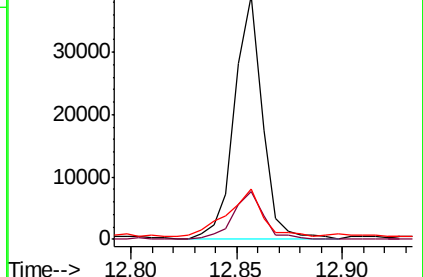
203 20.9 14.6 21.8



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: 23.890 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

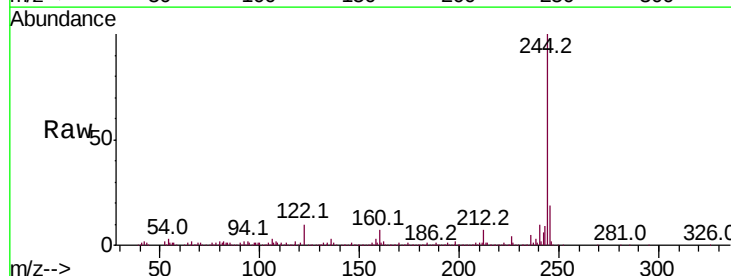
Tgt Ion:244 Resp: 317742

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

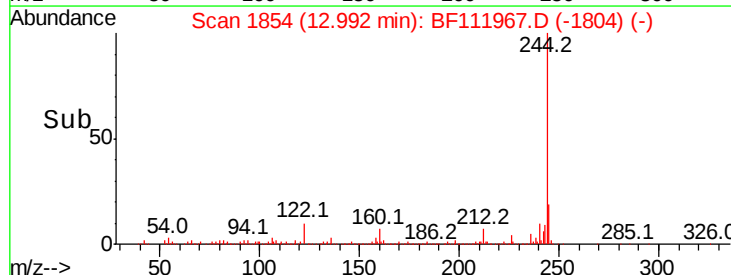
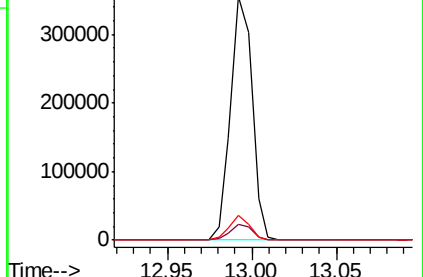
122 10.0 9.5 14.3

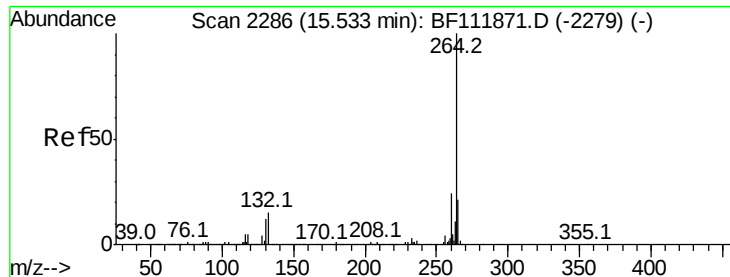


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

Instrument :

BNA_F

ClientSampleId :

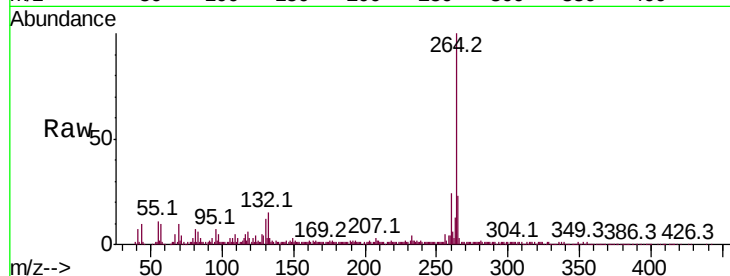
Tot Ion:264 Resp: 177298

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.9 17.1 25.7



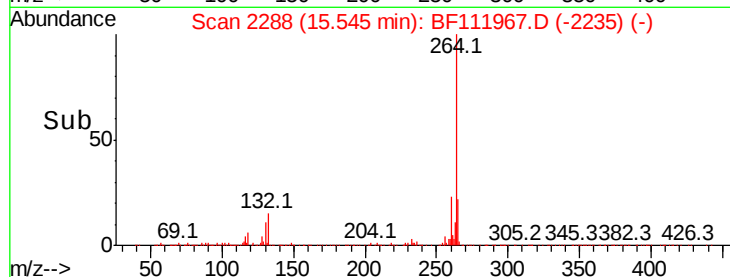
Abundance

Ion 264.00 (263.70 to 264.70): E

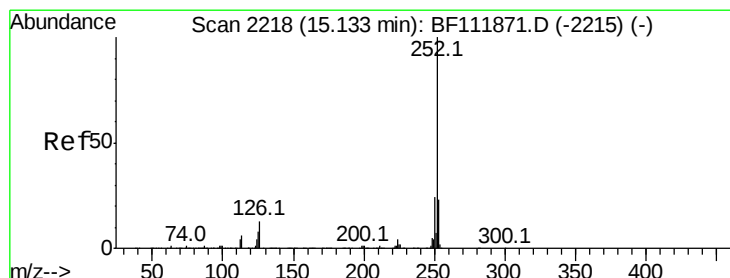
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.54



Time-->



#89

Benzo(k)fluoranthene

Concen: 2.127 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.03 min

Lab File: BF111967.D

Acq: 9 Jan 2019 23:20

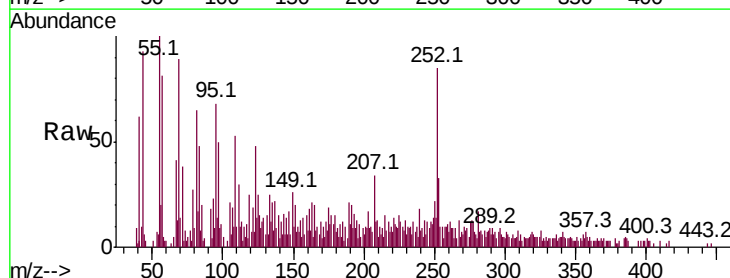
Tgt Ion:252 Resp: 21205

Ion Ratio Lower Upper

252 100

253 38.9 17.8 26.6#

125 29.5 7.0 10.4#



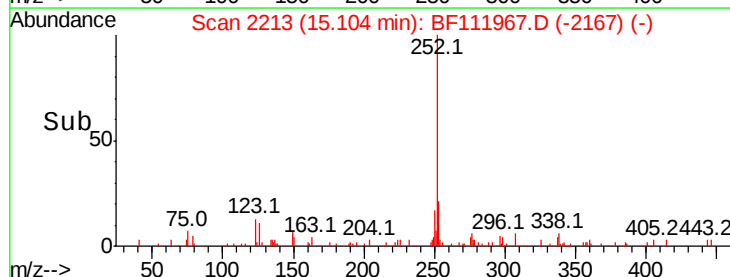
Abundance

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

15.10



Time-->