

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091643.D
 Acq On : 15 Dec 2016 22:05
 Operator : UM/SJ
 Sample : H5940-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS01-0-2IN

Quant Time: Dec 16 00:15:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	259189	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	994733	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	497084	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	605343	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	555524	20.00	ng	-0.02
86) Perylene-d12	15.35	264	513725	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1594445	103.64	ng	-0.02
7) Phenol-d6	6.43	99	2152534	112.23	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1311219	73.57	ng	-0.03
41) 2,4,6-Tribromophenol	10.61	330	417598	101.14	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1761972	61.25	ng	-0.03
78) Terphenyl-d14	12.89	244	1185200	48.41	ng	-0.03

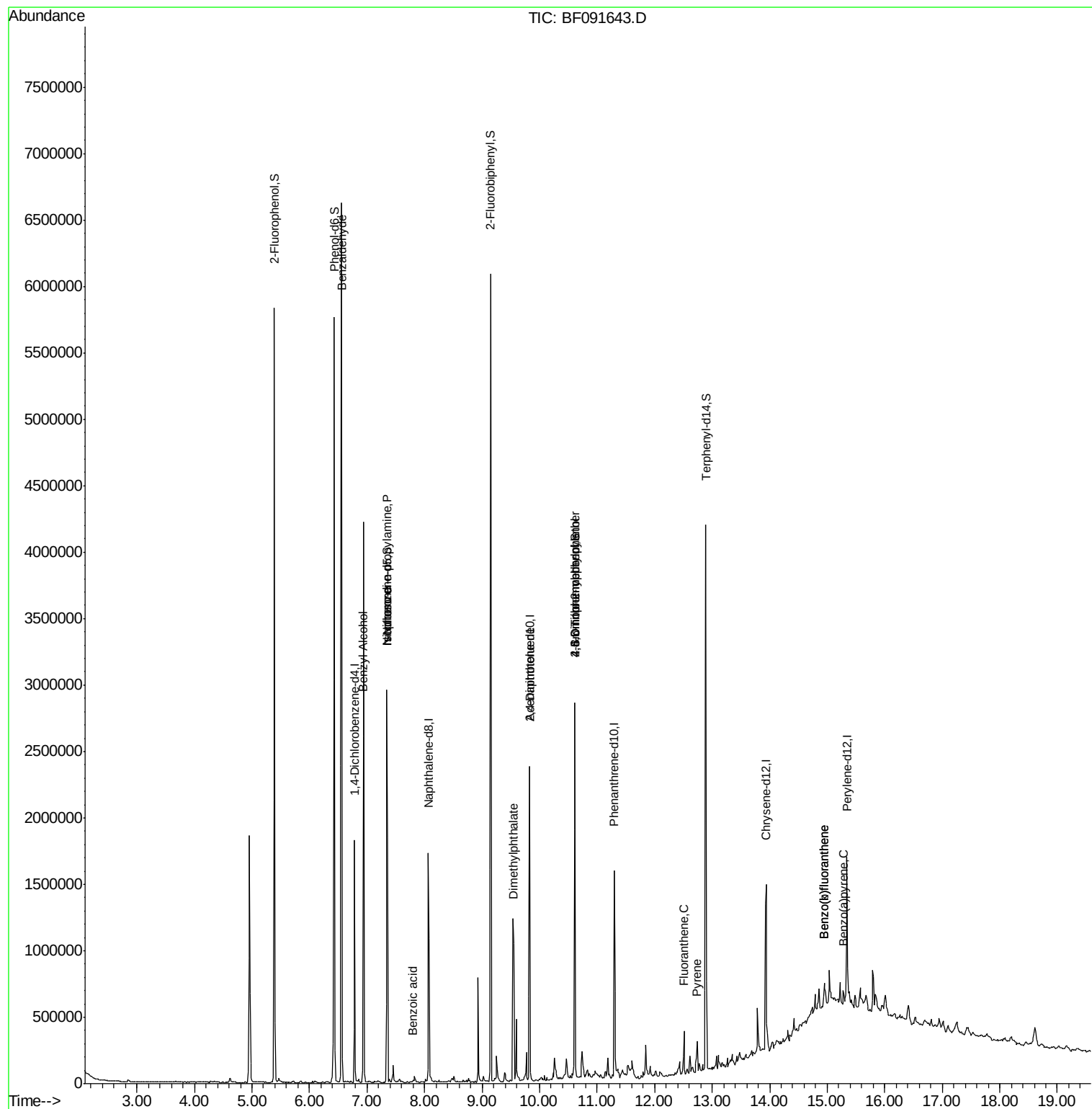
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	43210	3.27	ng	90
15) Benzyl Alcohol	6.93	79	30759	2.03	ng	# 59
19) n-Nitroso-di-n-propylamine	7.34	70	174520	14.55	ng	# 67
20) 3+4-Methylphenols	7.21	107	373	Below Cal		# 84
25) Isophorone	7.34	82	1163317	36.72	ng	# 67
32) Benzoic acid	7.80	122	429	4.93	ng	# 44
49) Dimethylphthalate	9.55	163	725270	23.04	ng	100
56) 2,4-Dinitrotoluene	9.82	165	64752	7.48	ng	# 33
57) Fluorene	10.36	166	3633	Below Cal		# 89
64) 4,6-Dinitro-2-methylphenol	10.61	198	1007	3.20	ng	# 22
66) 4-Bromophenyl-phenylether	10.61	248	26810	4.32	ng	# 1
74) Fluoranthene	12.51	202	108638	3.46	ng	98
77) Pyrene	12.74	202	99098	2.25	ng	97
87) Benzo(b)fluoranthene	14.95	252	104416	3.41	ng	# 85
88) Benzo(k)fluoranthene	14.95	252	103884	3.86	ng	# 86
89) Benzo(a)pyrene	15.28	252	56605	2.05	ng	# 84

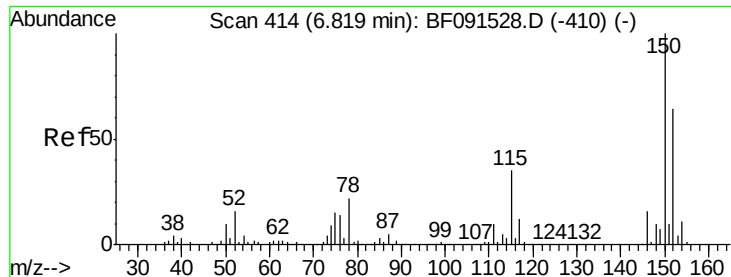
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

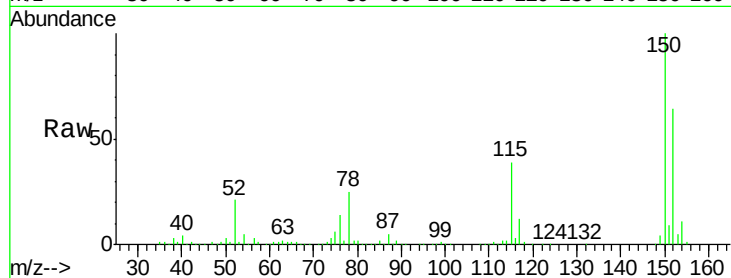
Tgt Ion:152 Resp: 259189

Ion Ratio Lower Upper

152 100

150 155.0 122.5 183.7

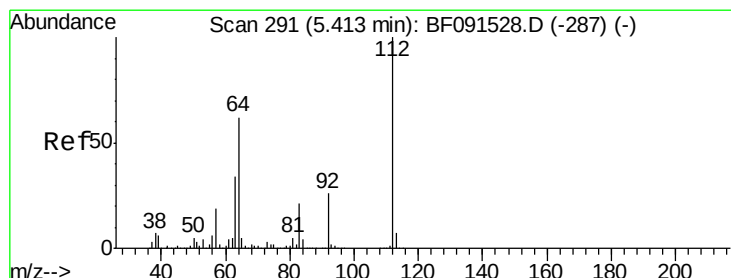
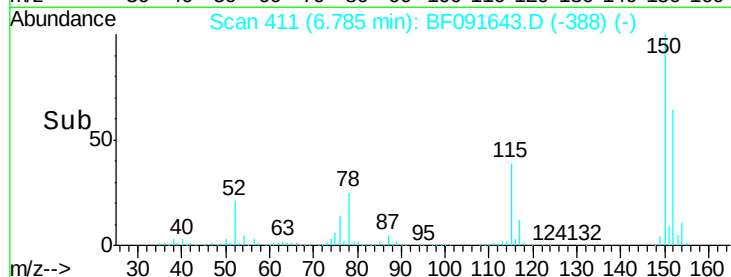
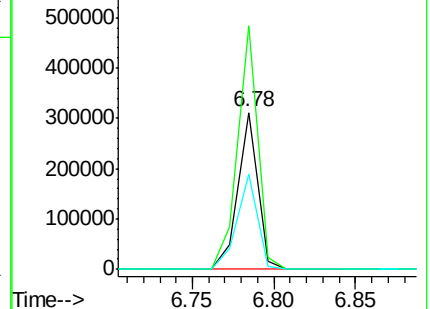
115 60.8 51.8 77.8



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: 103.64 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

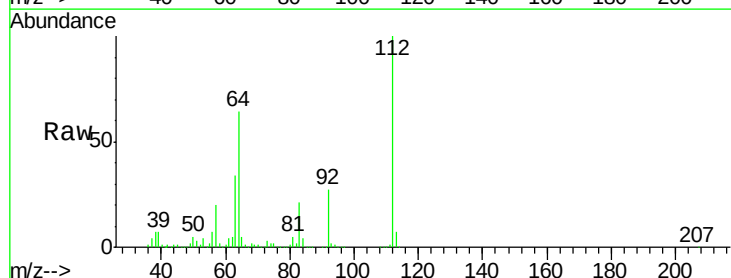
Tgt Ion:112 Resp: 1594445

Ion Ratio Lower Upper

112 100

64 64.0 61.5 92.3

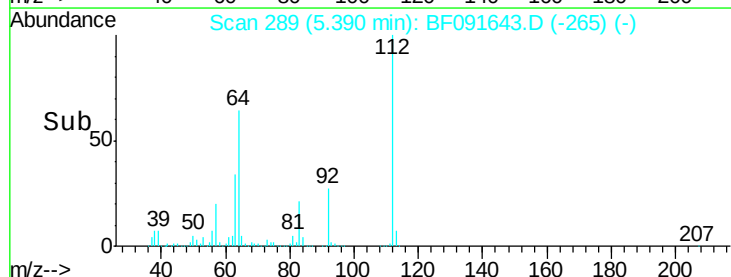
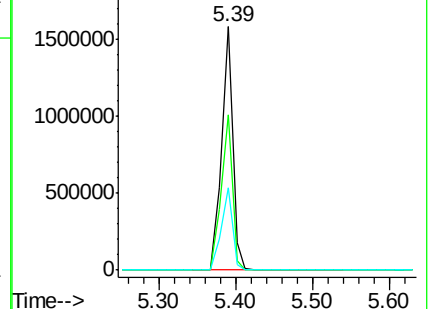
63 33.6 33.3 49.9

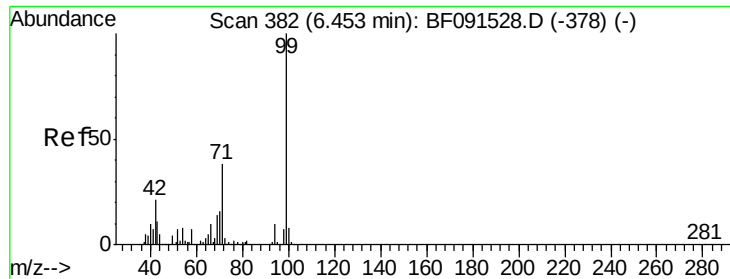


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.23 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

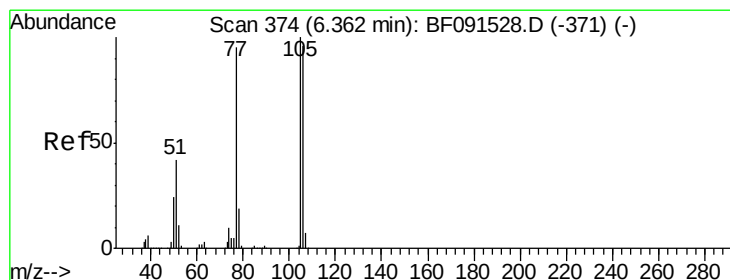
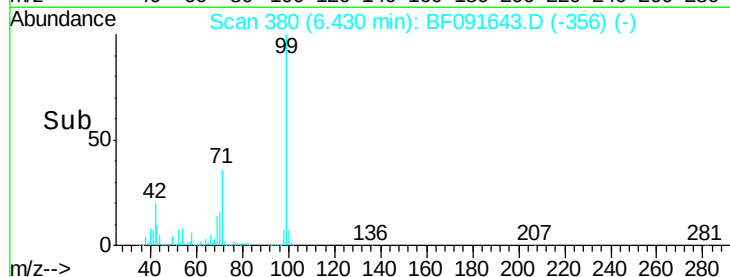
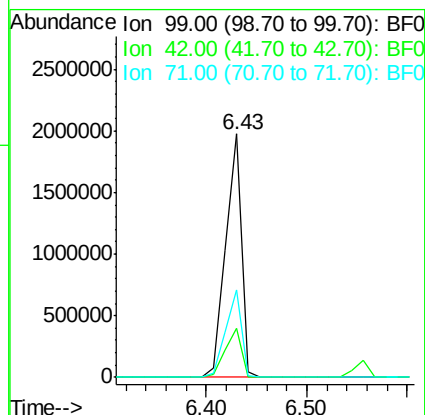
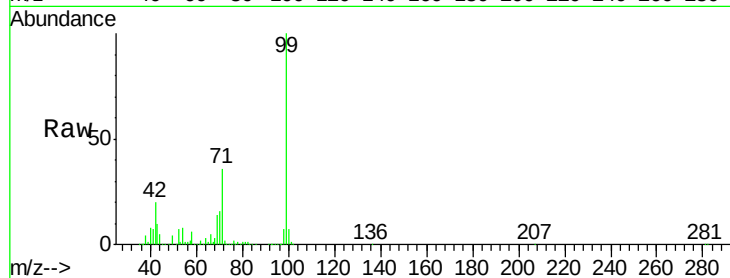
BNA_F

ClientSampleId :

SS01-0-2IN

Tgt Ion: 99 Resp: 2152534

Ion	Ratio	Lower	Upper
99	100		
42	20.2	20.6	31.0#
71	36.1	29.9	44.9



#9

Benzaldehyde

Concen: 3.27 ng

RT: 6.56 min Scan# 391

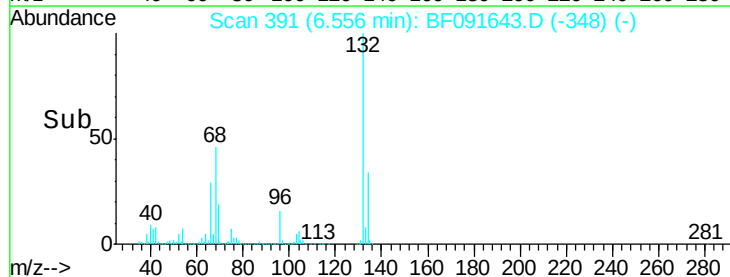
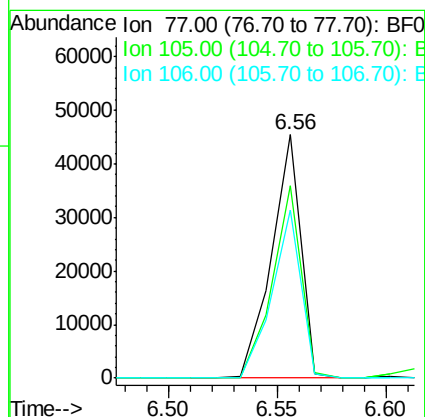
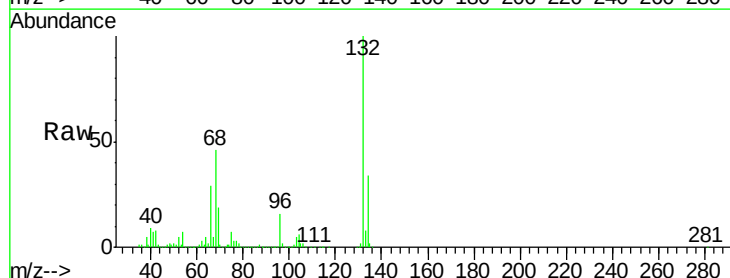
Delta R.T. 0.19 min

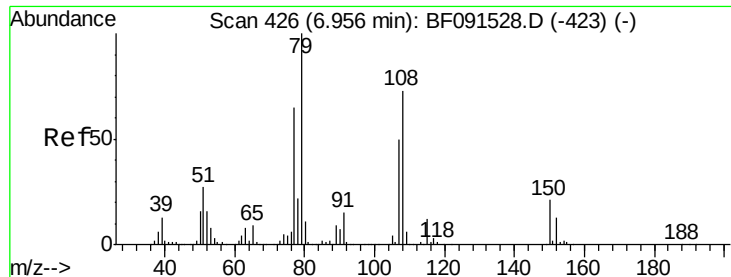
Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Tgt Ion: 77 Resp: 43210

Ion	Ratio	Lower	Upper
77	100		
105	79.3	66.4	106.4
106	69.1	60.9	100.9





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.02 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

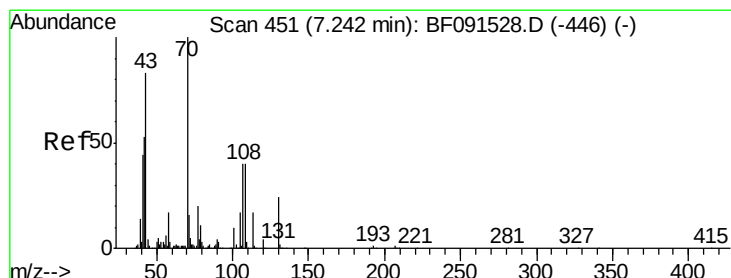
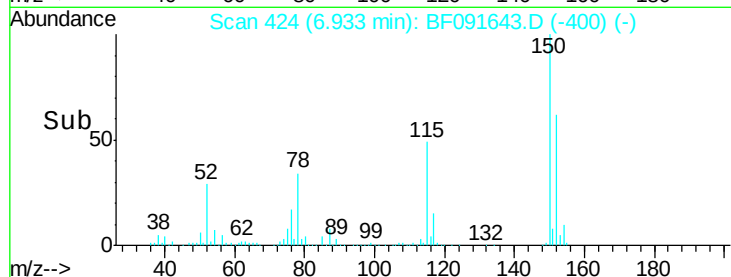
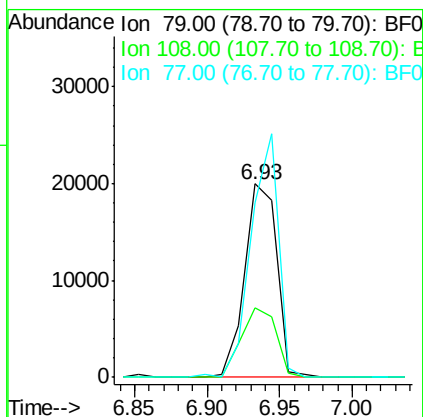
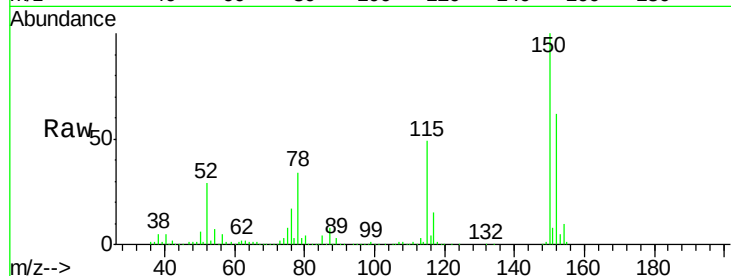
Tgt Ion: 79 Resp: 30759

Ion Ratio Lower Upper

79 100

108 35.6 62.7 94.1#

77 89.9 51.7 77.5#



#19

n-Nitroso-di-n-propylamine

Concen: 14.55 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.10 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Tgt Ion: 70 Resp: 174520

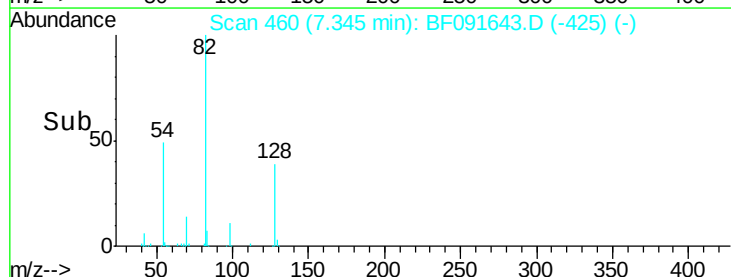
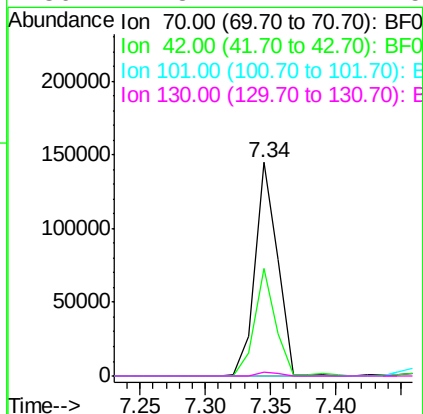
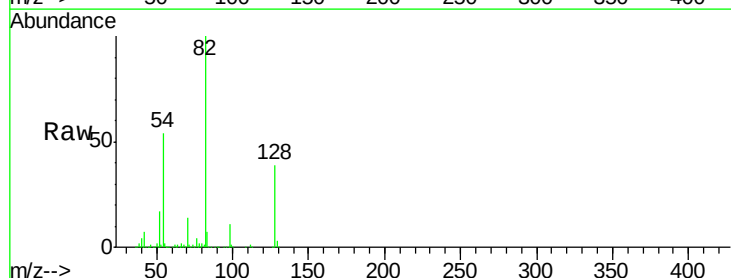
Ion Ratio Lower Upper

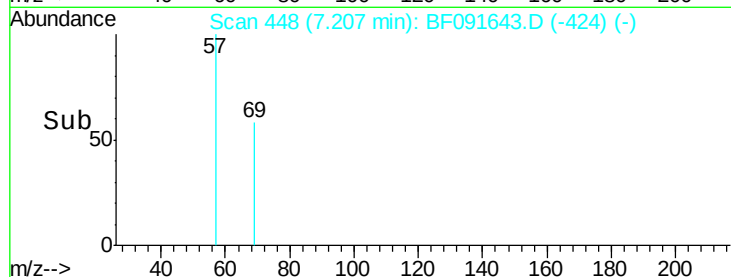
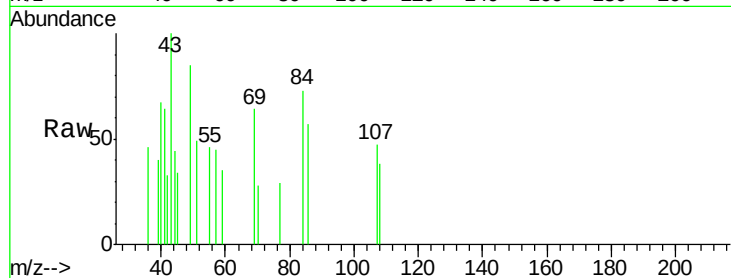
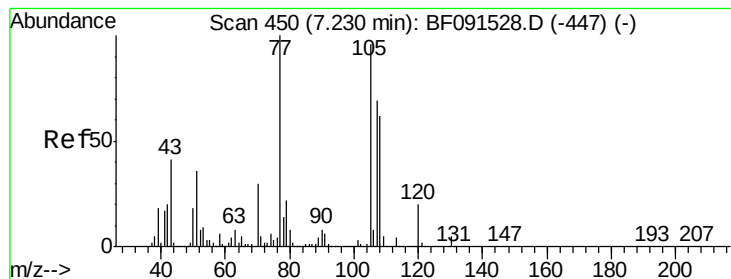
70 100

42 50.3 64.8 97.2#

101 0.0 6.2 9.4#

130 1.8 11.7 17.5#





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.21 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

Tgt Ion:107 Resp: 373

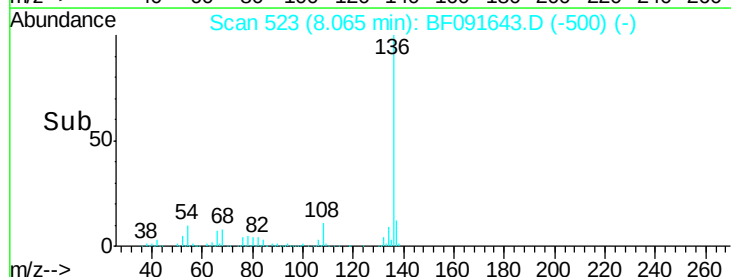
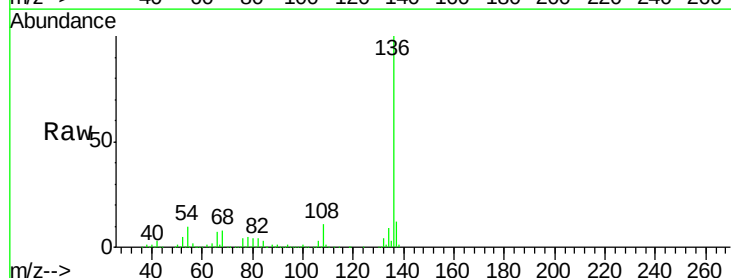
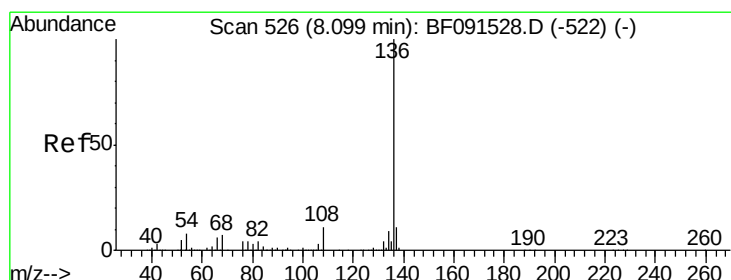
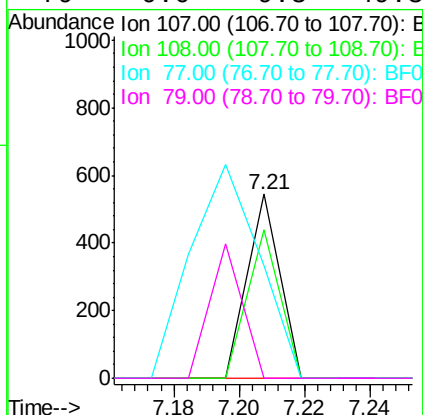
Ion Ratio Lower Upper

107 100

108 80.7 64.6 104.6

77 61.0 30.9 70.9

79 0.0 9.3 49.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Tgt Ion:136 Resp: 994733

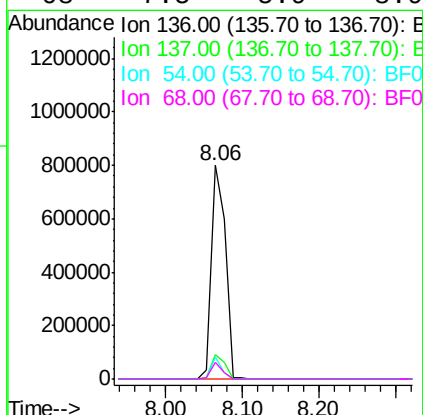
Ion Ratio Lower Upper

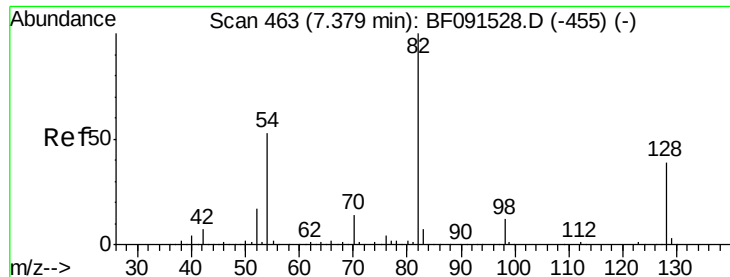
136 100

137 11.5 9.1 13.7

54 10.3 9.1 13.7

68 7.5 5.9 8.9

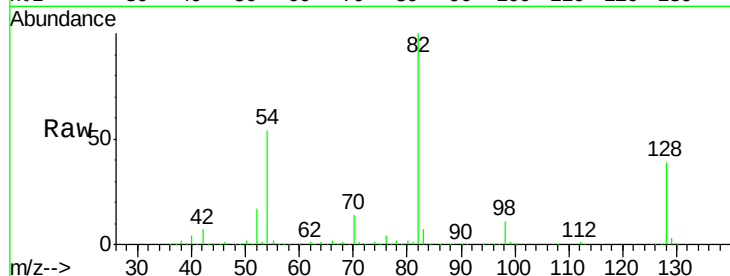




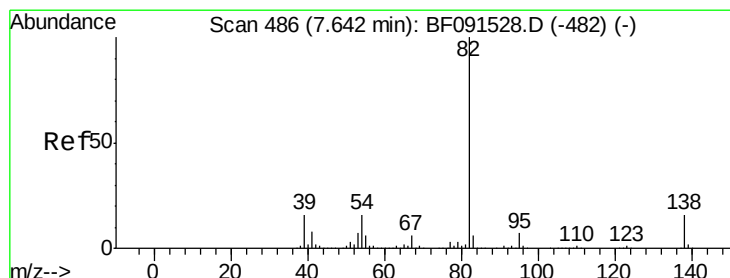
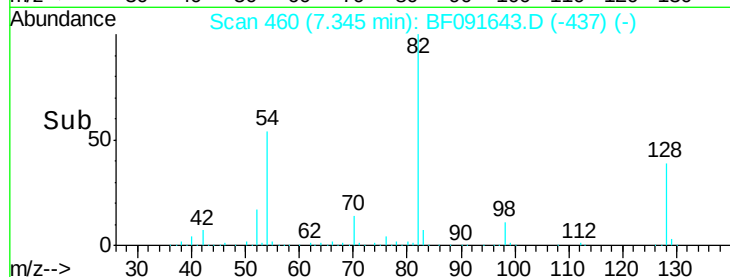
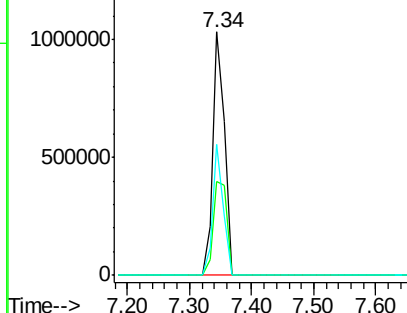
#23
Nitrobenzene-d5
Concen: 73.57 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.03 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Instrument :
BNA_F
ClientSampleId :
SS01-0-2IN

Tgt Ion: 82 Resp: 1311219
Ion Ratio Lower Upper
82 100
128 38.8 31.8 47.6
54 53.7 49.1 73.7

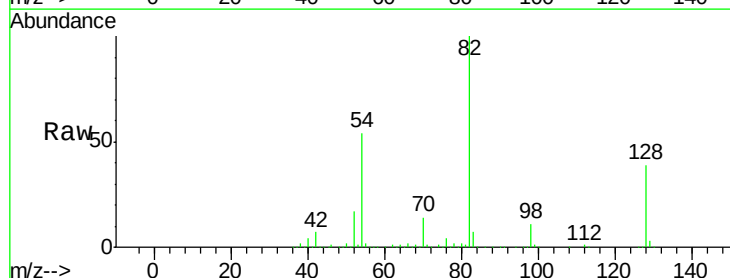


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

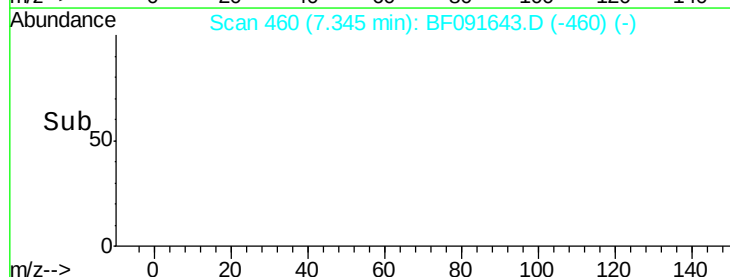
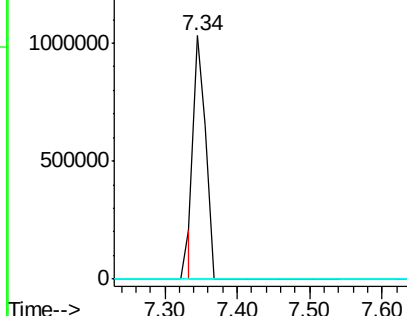


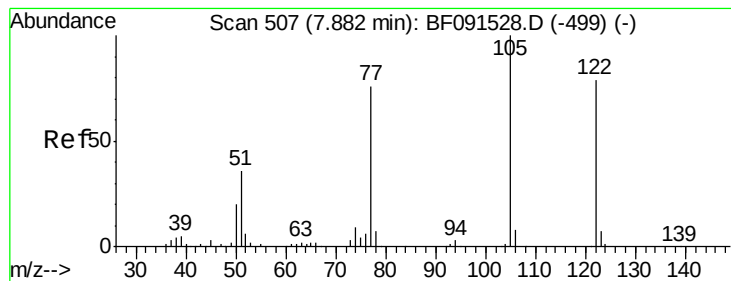
#25
Isophorone
Concen: 36.72 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.30 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Tgt Ion: 82 Resp: 1163317
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 4.93 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.08 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

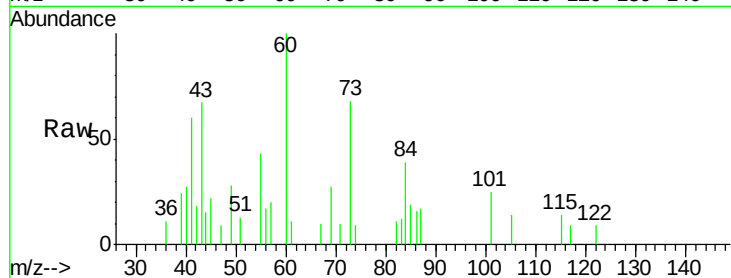
Tgt Ion:122 Resp: 429

Ion Ratio Lower Upper

122 100

105 157.9 113.0 153.0#

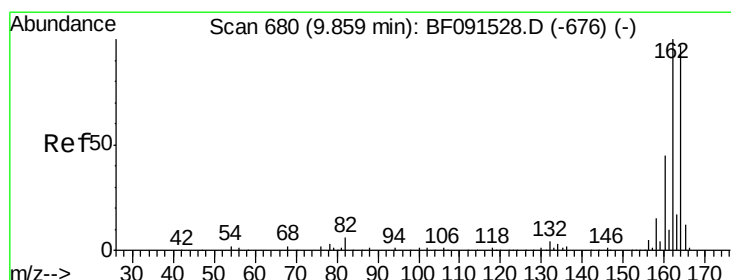
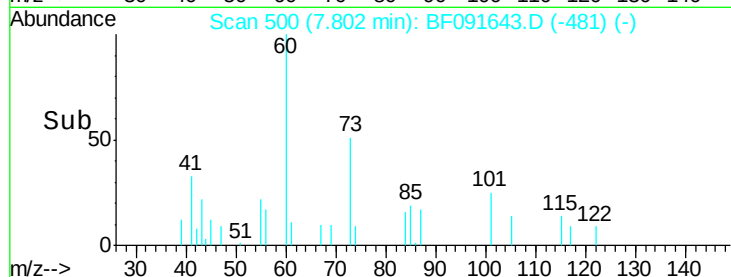
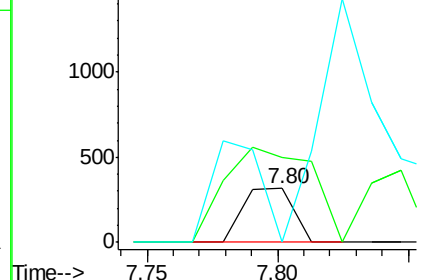
77 0.0 82.0 122.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

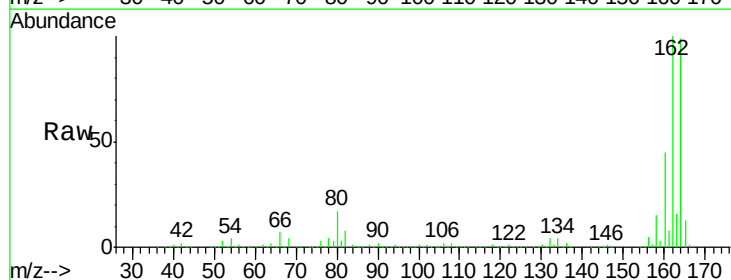
Tgt Ion:164 Resp: 497084

Ion Ratio Lower Upper

164 100

162 101.4 82.6 124.0

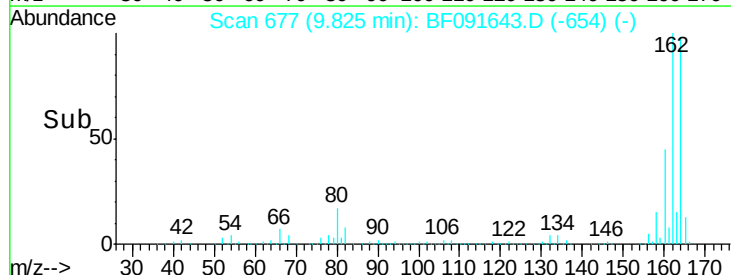
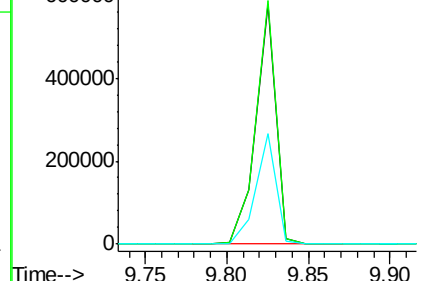
160 46.0 36.7 55.1

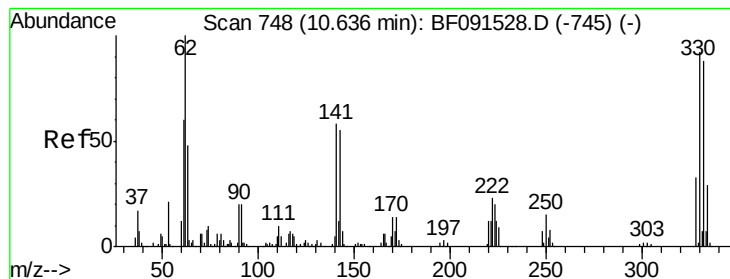


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 101.14 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

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ClientSampleId :

SS01-0-2IN

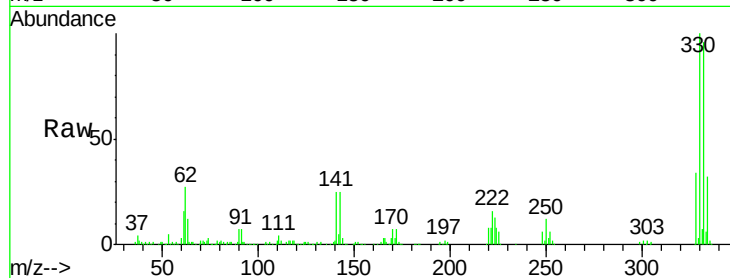
Tgt Ion:330 Resp: 417598

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

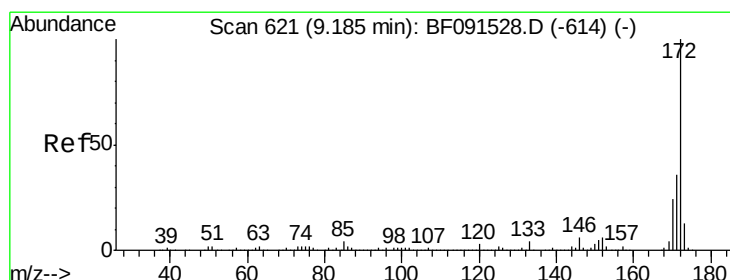
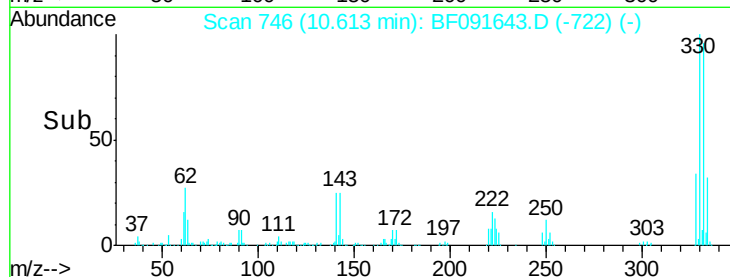
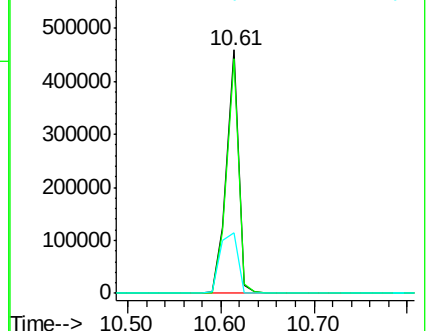
141 36.7 33.6 50.4



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



#44

2-Fluorobiphenyl

Concen: 61.25 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

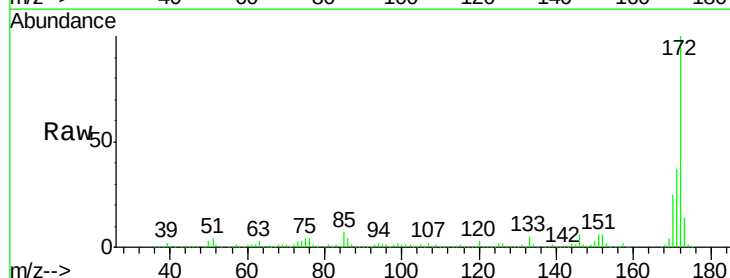
Tgt Ion:172 Resp: 1761972

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

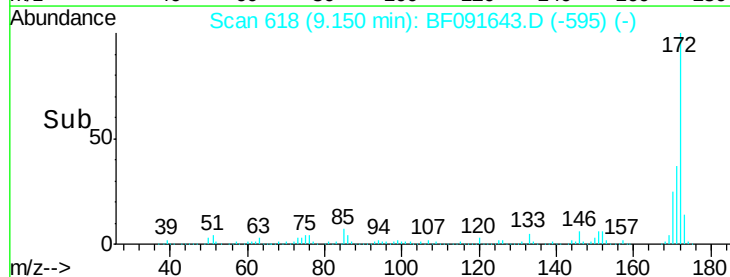
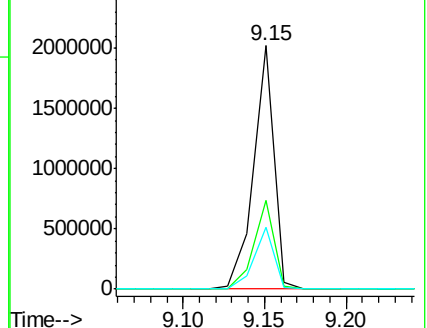
170 25.1 19.7 29.5

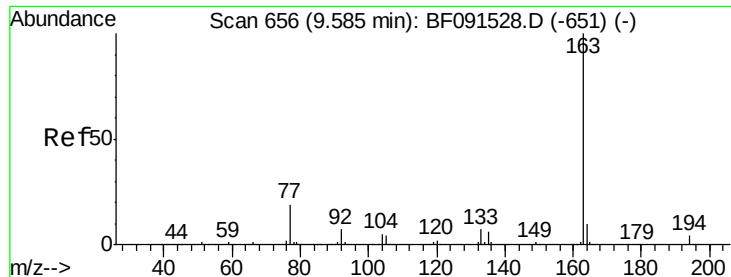


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

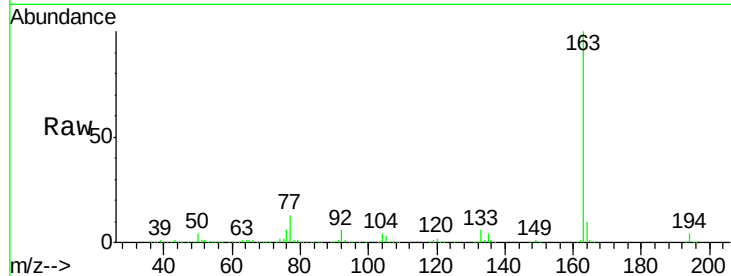




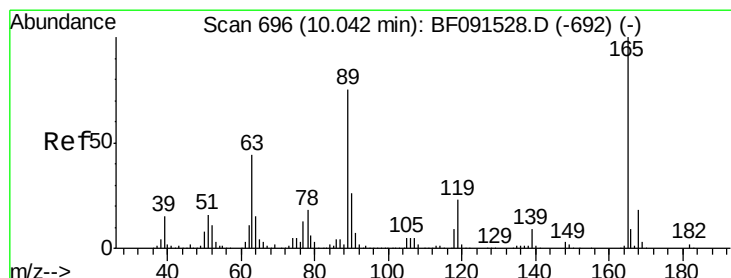
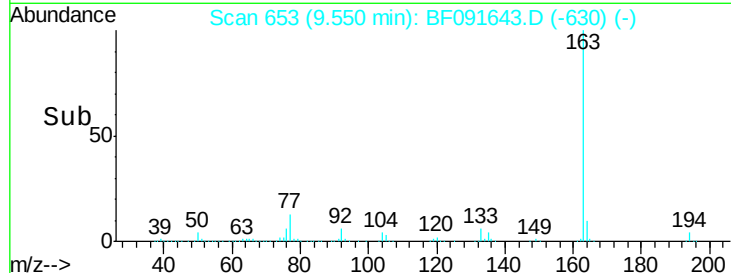
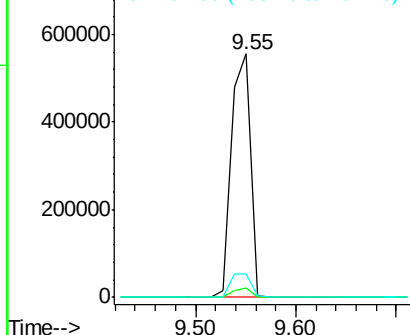
#49
Dimethylphthalate
Concen: 23.04 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Instrument :
BNA_F
ClientSampleId :
SS01-0-2IN

Tgt Ion:163 Resp: 725270
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 9.8 7.8 11.8

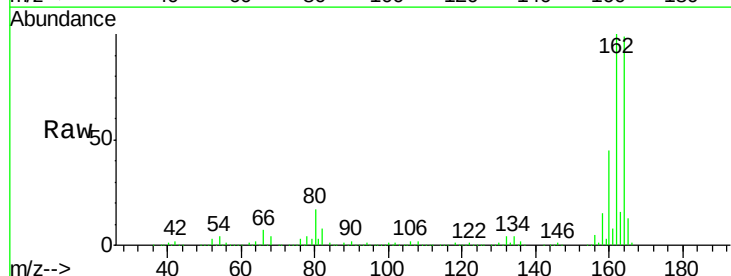


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

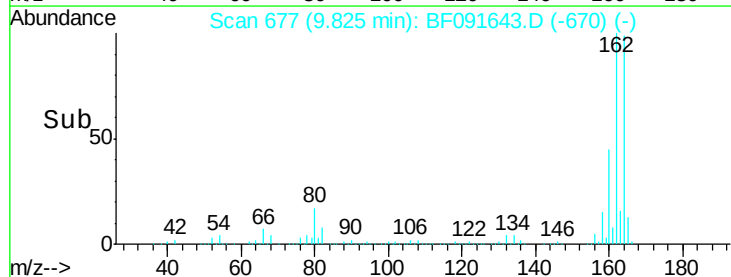
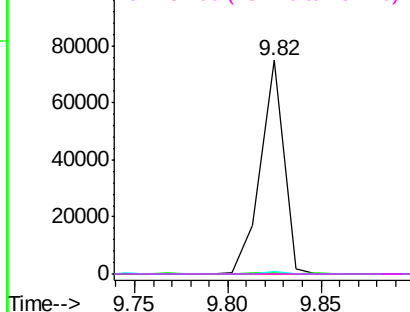


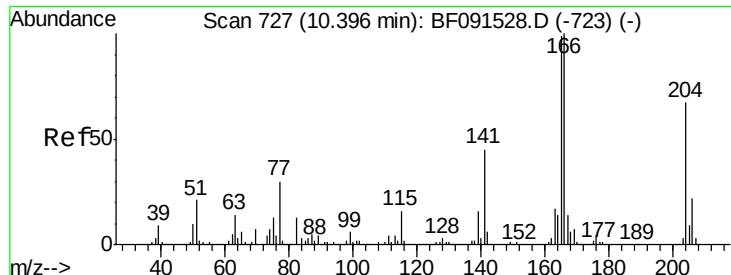
#56
2,4-Dinitrotoluene
Concen: 7.48 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Tgt Ion:165 Resp: 64752
Ion Ratio Lower Upper
165 100
63 0.7 29.0 43.4#
89 1.1 43.1 64.7#
182 0.0 1.9 2.9#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

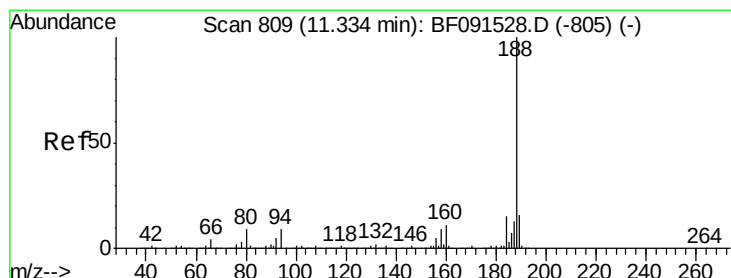
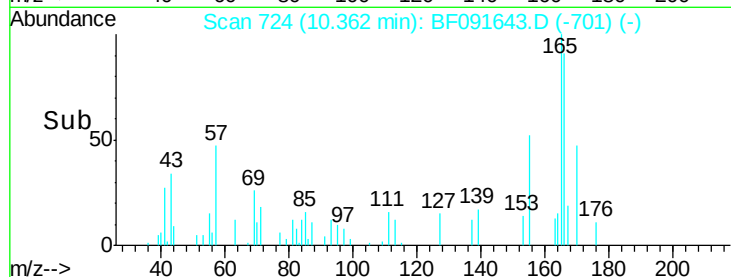
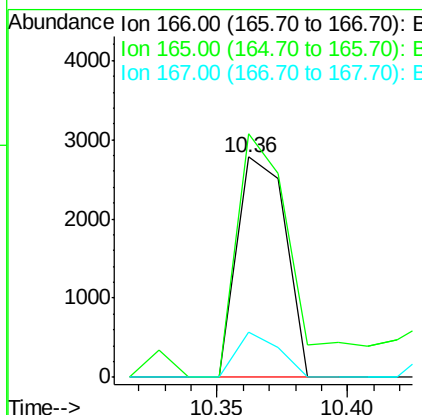
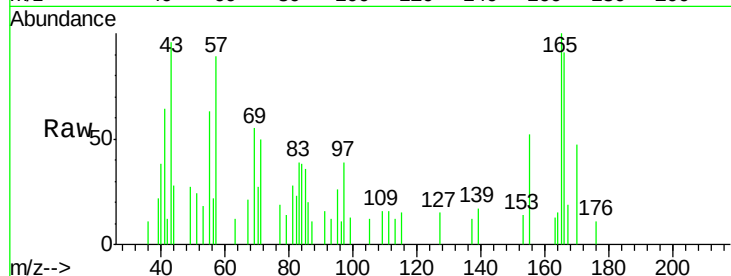




#57
Fluorene
 Concen: Below Cal
 RT: 10.36 min Scan# 724
 Delta R.T. -0.03 min
 Lab File: BF091643.D
 Acq: 15 Dec 2016 22:05

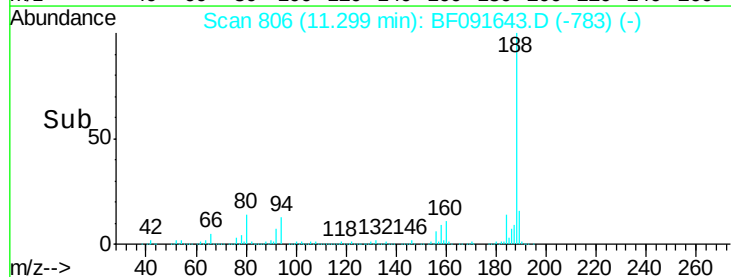
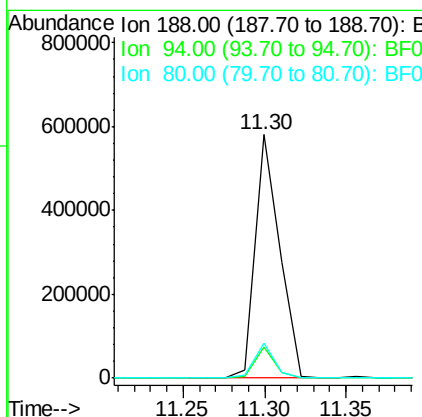
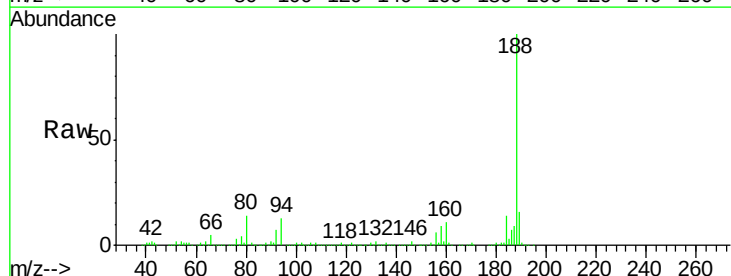
Instrument :
 BNA_F
 ClientSampleId :
 SS01-0-2IN

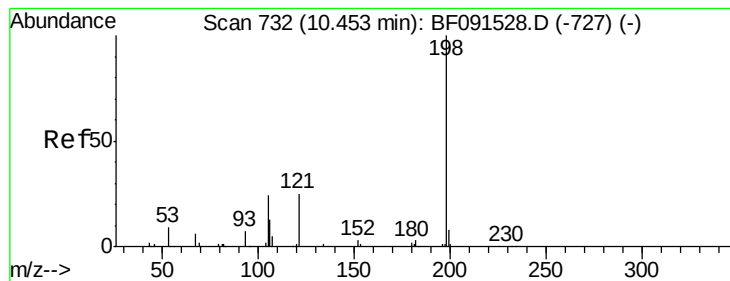
Tgt Ion:166 Resp: 3633
 Ion Ratio Lower Upper
 166 100
 165 110.4 80.0 120.0
 167 20.5 10.8 16.2#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF091643.D
 Acq: 15 Dec 2016 22:05

Tgt Ion:188 Resp: 605343
 Ion Ratio Lower Upper
 188 100
 94 12.8 9.2 13.8
 80 14.1 10.5 15.7





#64

4,6-Dinitro-2-methylphenol

Concen: 3.20 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.16 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

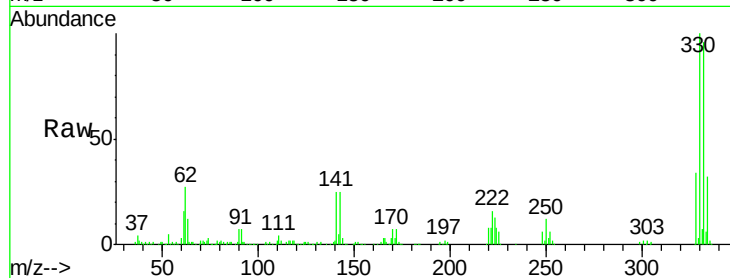
Tgt Ion:198 Resp: 1007

Ion Ratio Lower Upper

198 100

51 137.9 77.1 117.1#

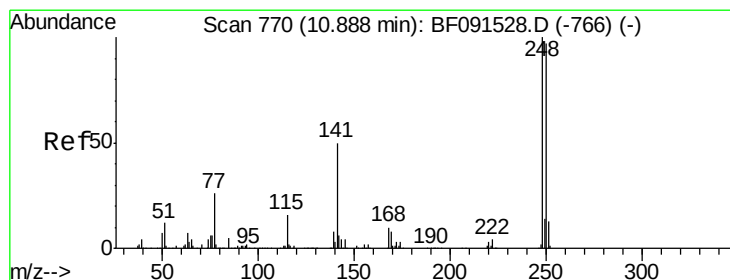
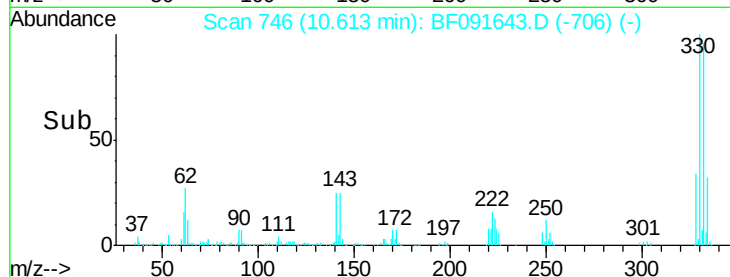
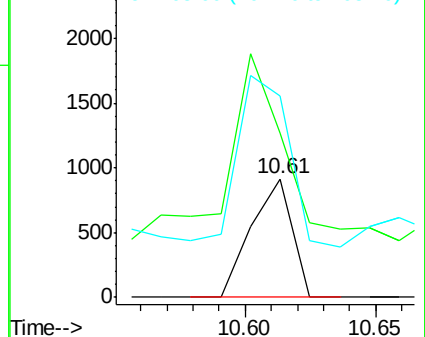
105 169.8 44.8 84.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.32 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

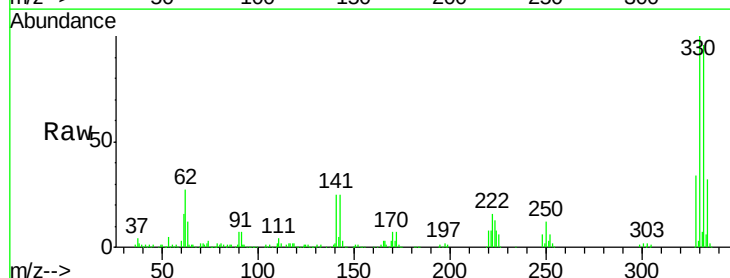
Tgt Ion:248 Resp: 26810

Ion Ratio Lower Upper

248 100

250 203.6 78.2 117.4#

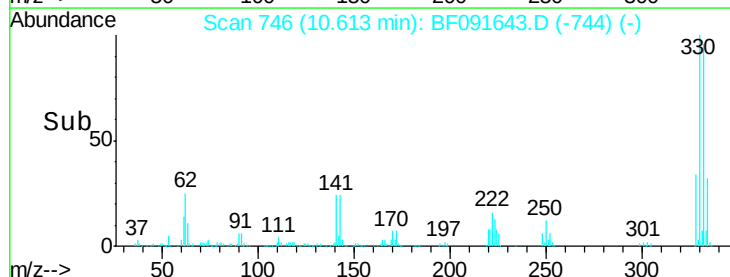
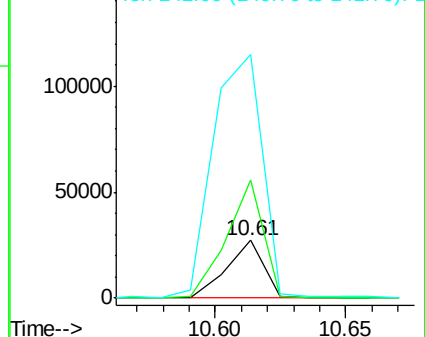
141 421.5 71.9 107.9#

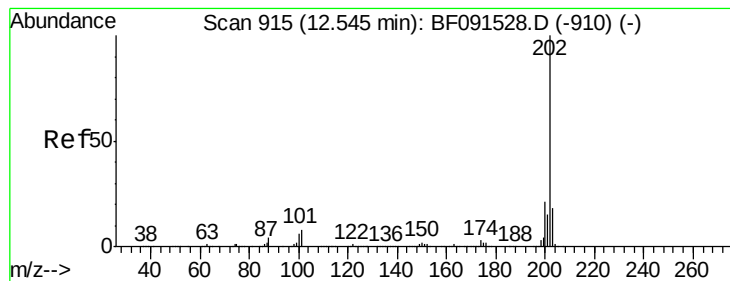


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.46 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

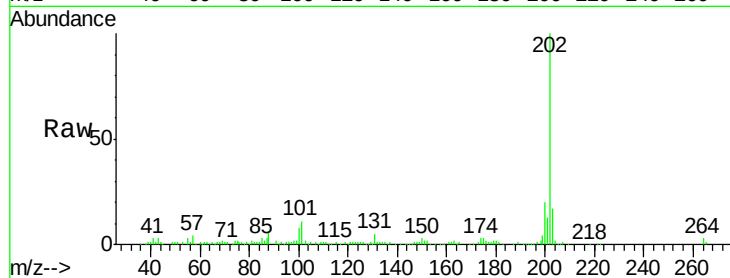
Tgt Ion: 202 Resp: 108638

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.5

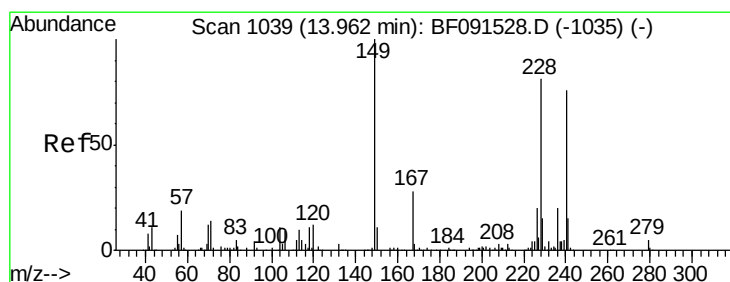
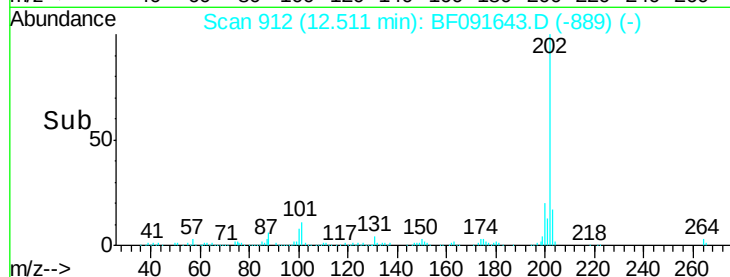
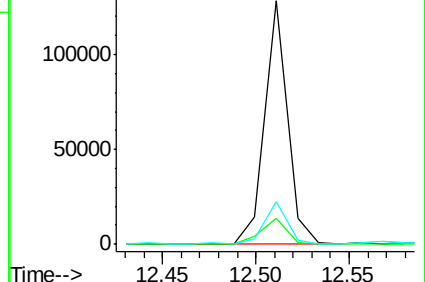
203 17.4 0.0 37.8



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

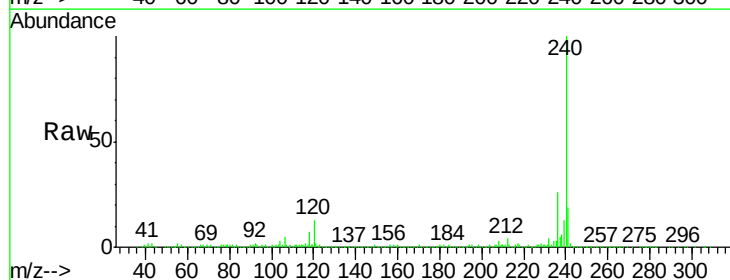
Tgt Ion: 240 Resp: 555524

Ion Ratio Lower Upper

240 100

120 12.9 12.1 18.1

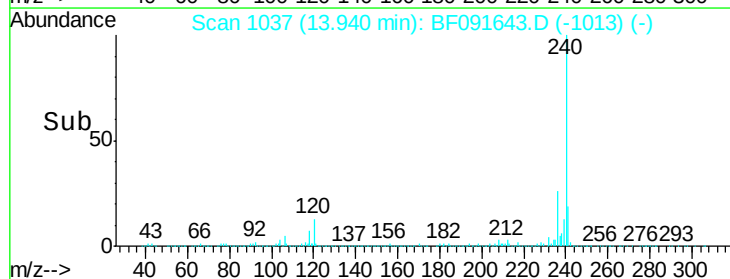
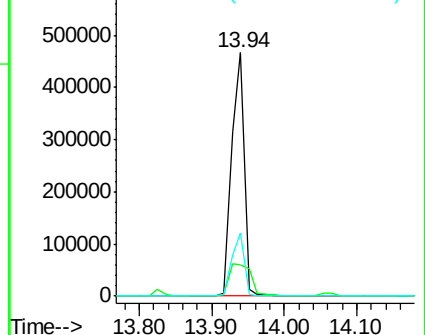
236 25.7 21.0 31.6

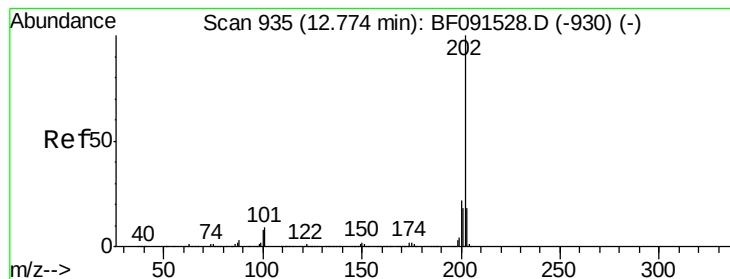


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.25 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

Instrument :

BNA_F

ClientSampleId :

SS01-0-2IN

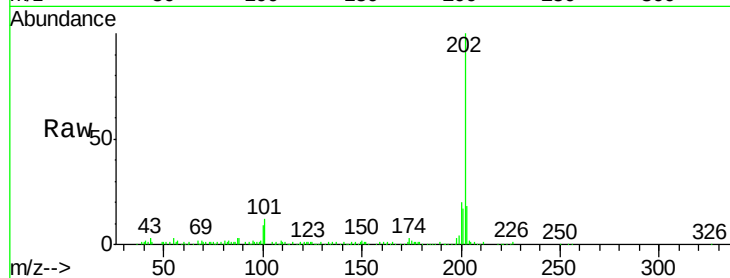
Tgt Ion:202 Resp: 99098

Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

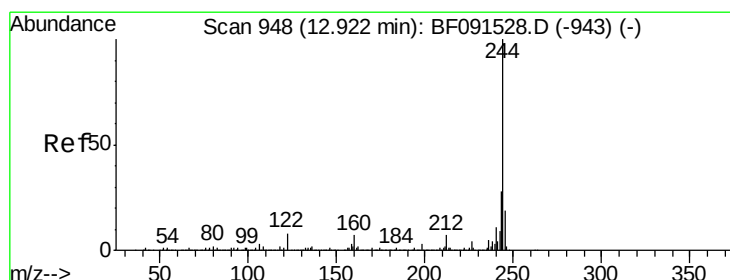
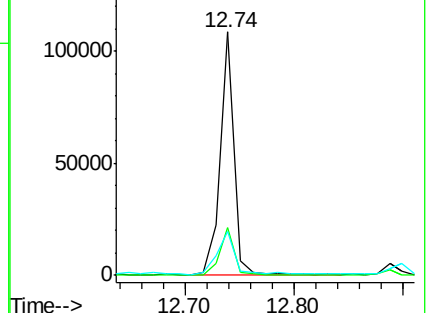
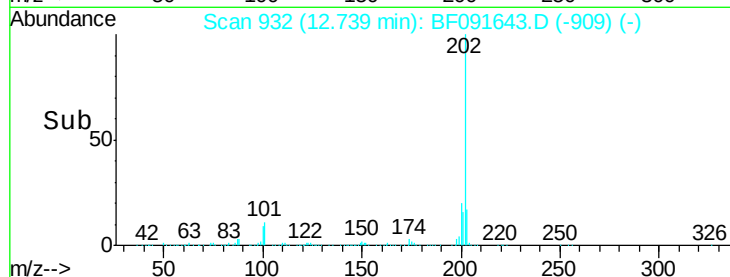
203 17.8 14.0 21.0



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



#78

Terphenyl-d14

Concen: 48.41 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091643.D

Acq: 15 Dec 2016 22:05

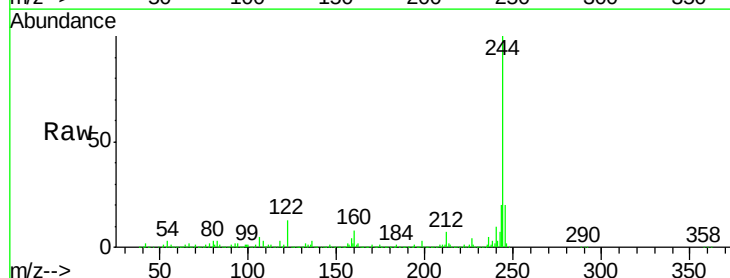
Tgt Ion:244 Resp: 1185200

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

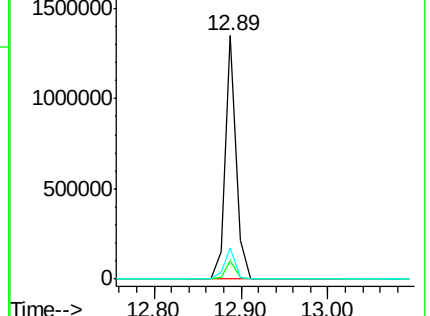
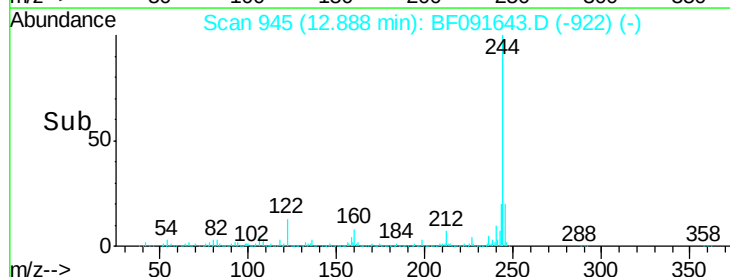
122 12.8 9.5 14.3

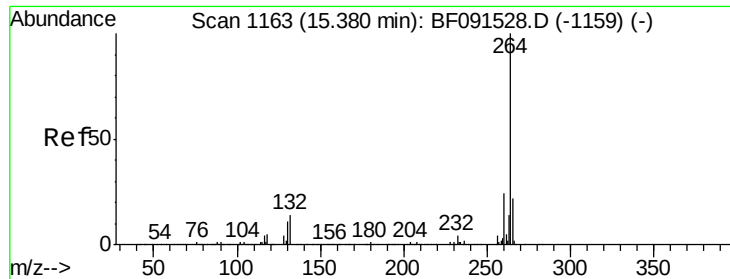


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

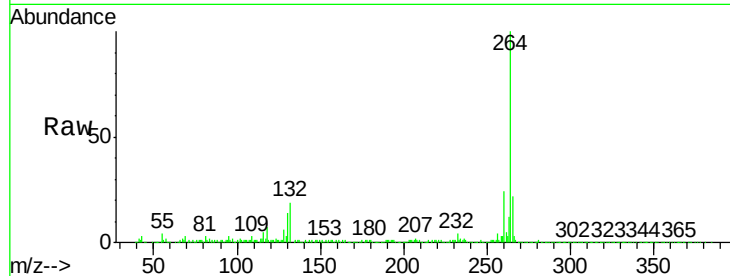




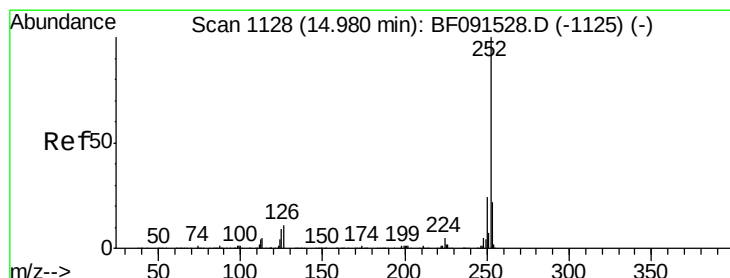
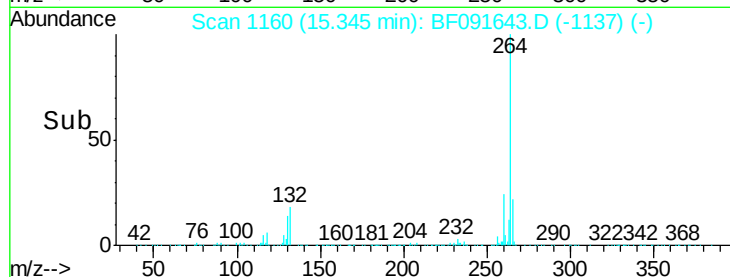
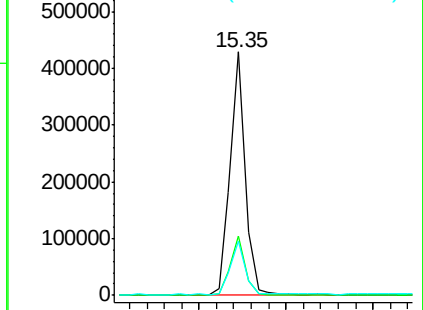
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Instrument :
BNA_F
ClientSampleId :
SS01-0-2IN

Tgt Ion:264 Resp: 513725
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 22.2 17.0 25.6

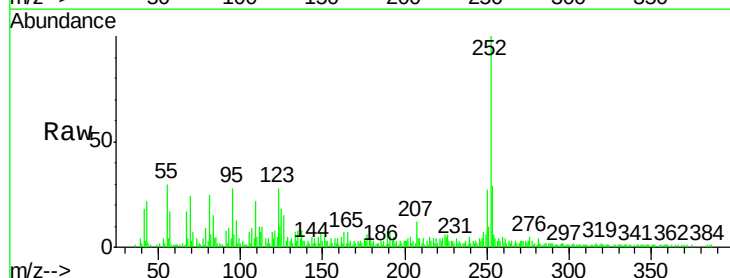


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

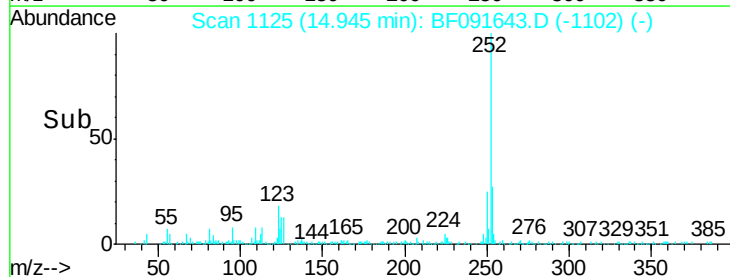
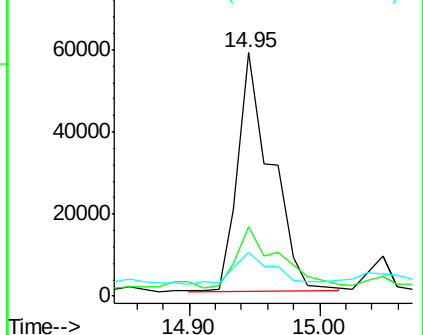


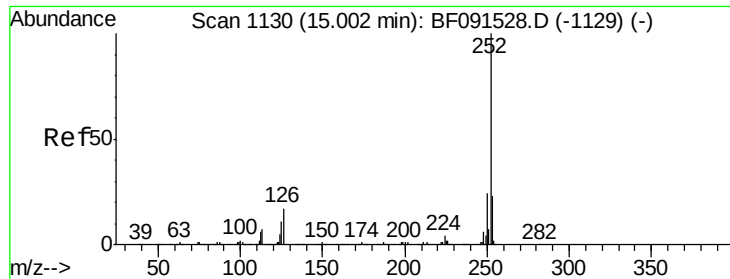
#87
Benzo(b)fluoranthene
Concen: 3.41 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Tgt Ion:252 Resp: 104416
Ion Ratio Lower Upper
252 100
253 28.7 18.2 27.2#
125 18.0 8.6 13.0#



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

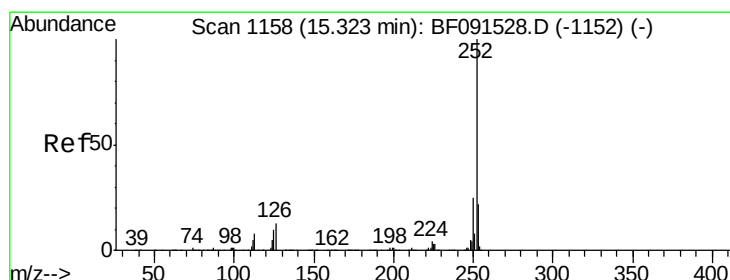
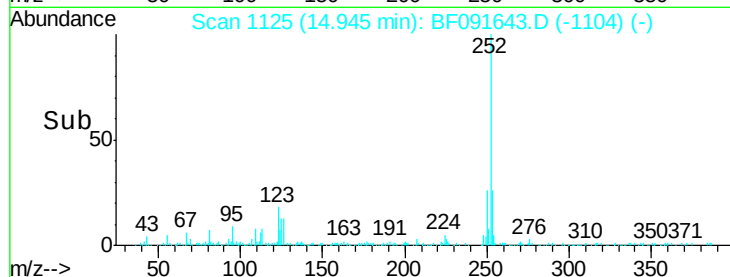
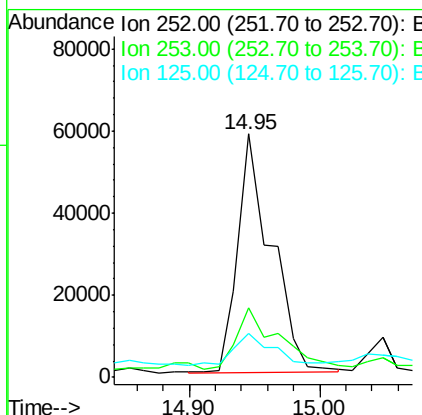
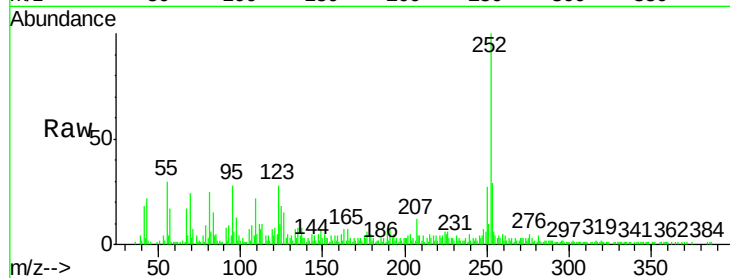




#88
Benzo(k)fluoranthene
Concen: 3.86 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.06 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Instrument :
BNA_F
ClientSampleId :
SS01-0-2IN

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.8	26.8#
125	18.0	9.6	14.4#



#89
Benzo(a)pyrene
Concen: 2.05 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.05 min
Lab File: BF091643.D
Acq: 15 Dec 2016 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.2	27.4#
125	22.5	10.4	15.6#

