

Data File : BF093109.D
Acq On : 23 Feb 2017 17:29
Operator : SJ/MA
Sample : I1952-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SAND

Quant Time: Feb 23 23:47:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

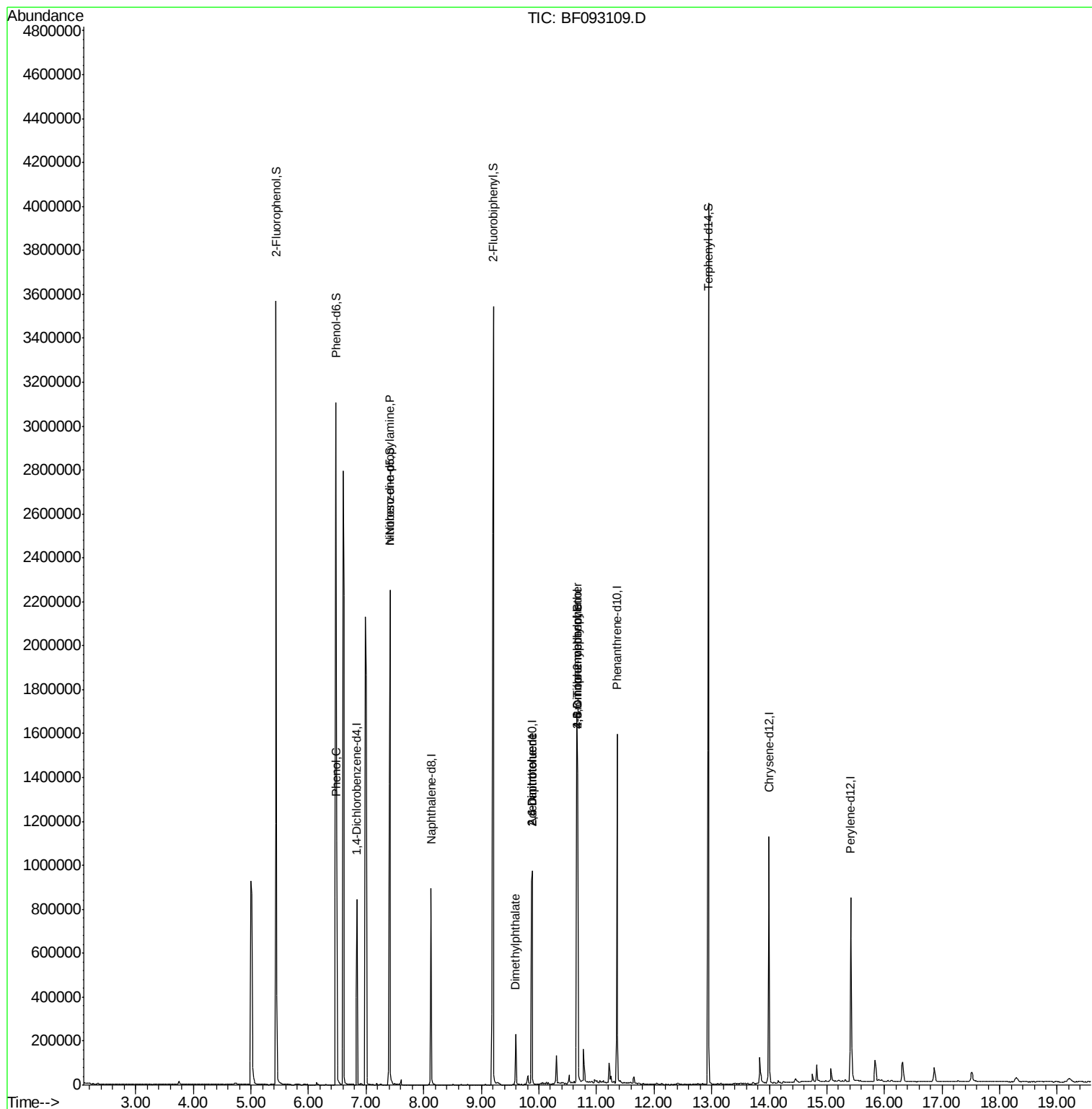
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	151059	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	584201	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	289849	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	553189	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	515648	20.00	ng	-0.02
86) Perylene-d12	15.41	264	403901	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1007296	114.40	ng	-0.01
7) Phenol-d6	6.48	99	1206064	106.46	ng	-0.01
23) Nitrobenzene-d5	7.41	82	890640	84.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	296522	141.45	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1542110	96.39	ng	-0.01
78) Terphenyl-d14	12.94	244	1275181	58.11	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	75652	5.71	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.41	70	116779	16.19	ng	# 76
49) Dimethylphthalate	9.60	163	87554	4.48	ng	100
50) 2,6-Dinitrotoluene	9.88	165	36670	8.70	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	36670	6.53	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	644	2.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	20715	3.58	ng	# 1

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

ALS Vial : 7 Sample Multiplier: 1

SPARTA-FINE-SAND

Response via : Initial Calibration



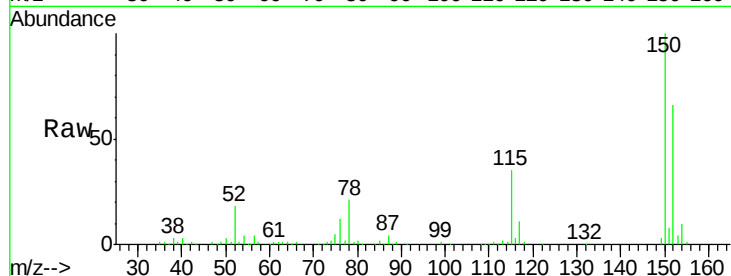


#1

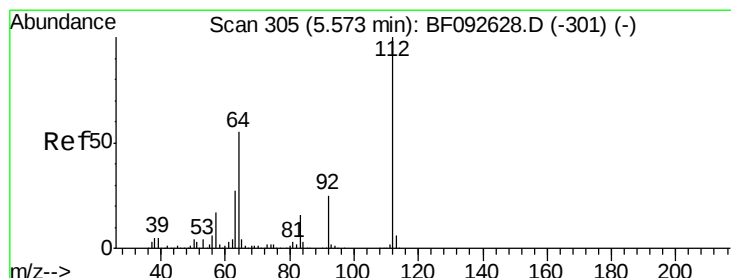
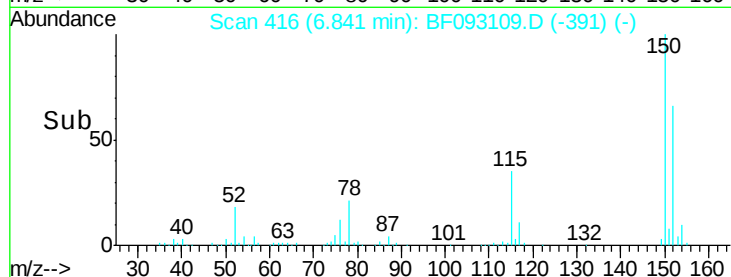
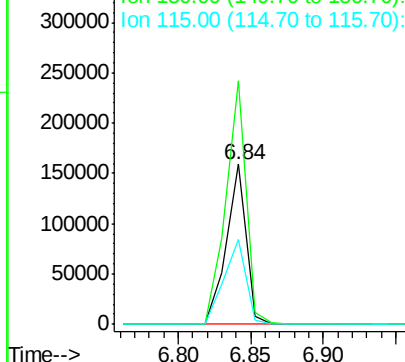
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093109.D
Acq: 23 Feb 2017 17:29

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SAND

Tgt Ion:152 Resp: 151059
Ion Ratio Lower Upper
152 100
150 152.0 124.9 187.3
115 52.7 46.0 69.0



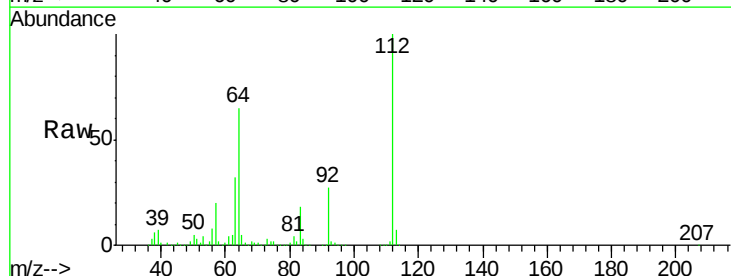
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



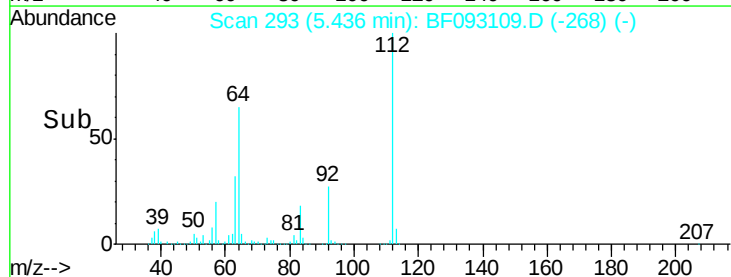
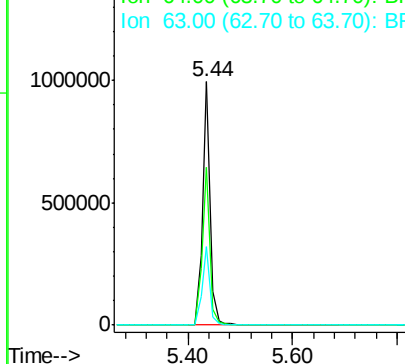
#5

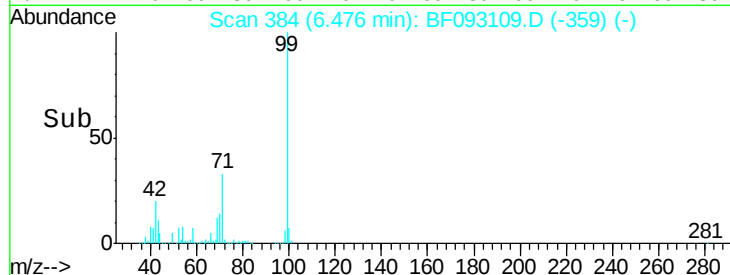
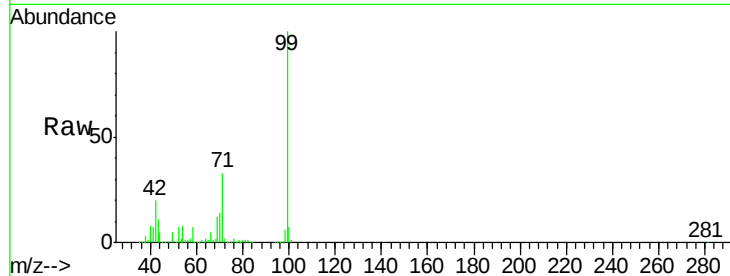
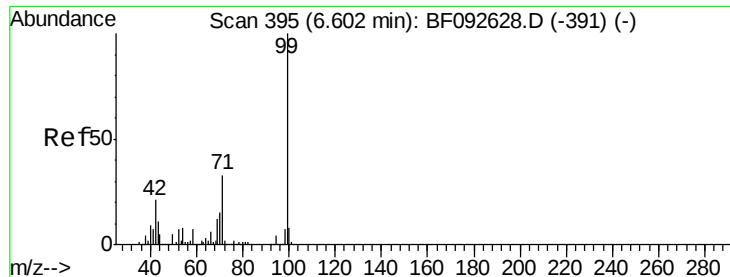
2-Fluorophenol
Concen: 114.40 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093109.D
Acq: 23 Feb 2017 17:29

Tgt Ion:112 Resp: 1007296
Ion Ratio Lower Upper
112 100
64 64.7 46.1 69.1
63 32.2 23.8 35.6



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: 106.46 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SAND

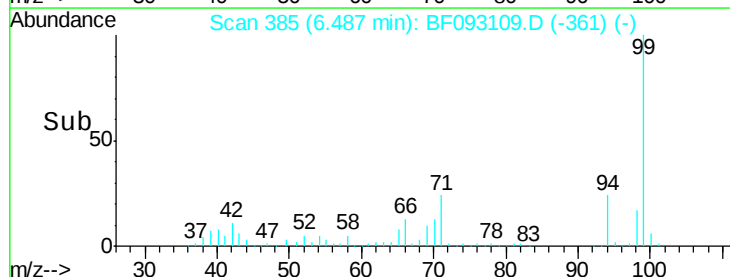
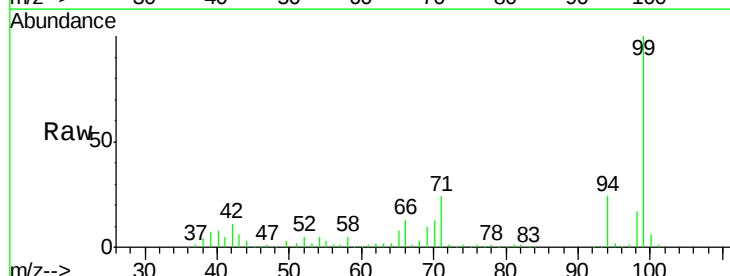
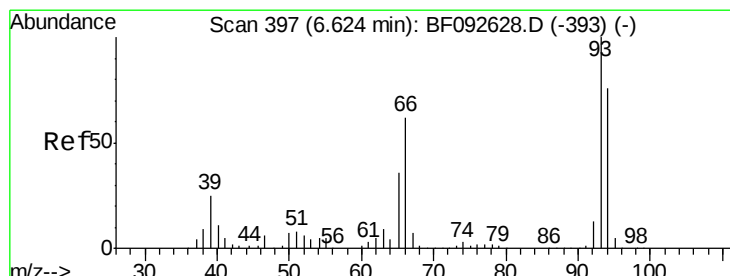
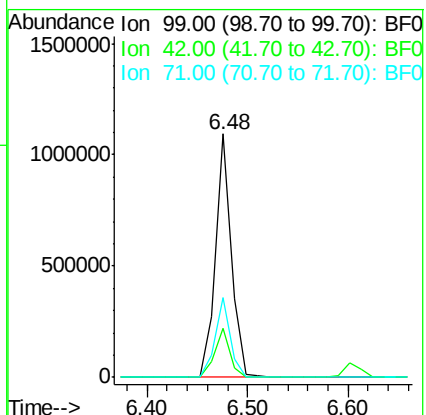
Tgt Ion: 99 Resp: 1206064

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

71 32.9 27.5 41.3



#10

Phenol

Concen: 5.71 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

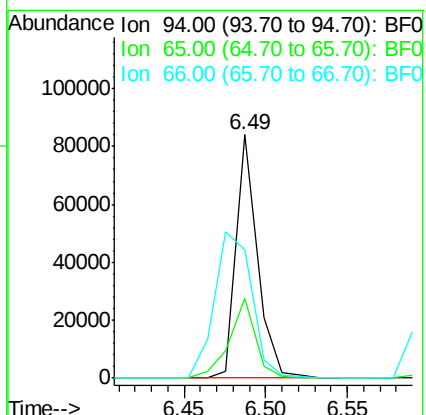
Tgt Ion: 94 Resp: 75652

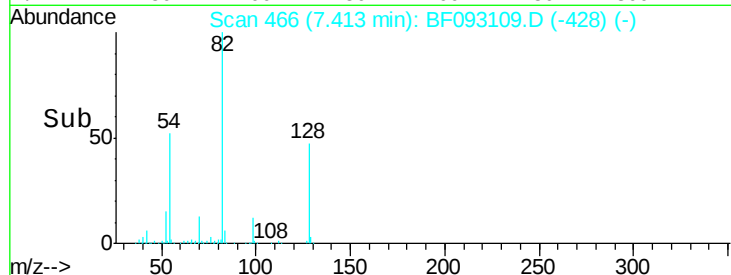
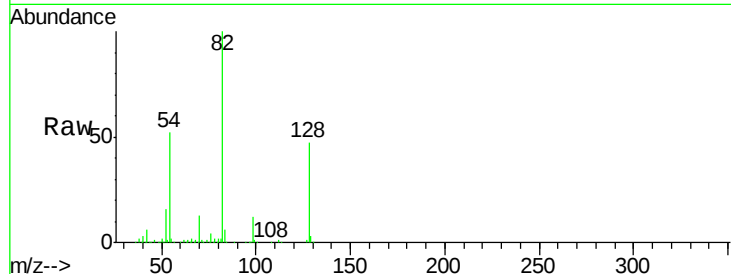
Ion Ratio Lower Upper

94 100

65 32.8 21.4 61.4

66 52.9 44.0 84.0

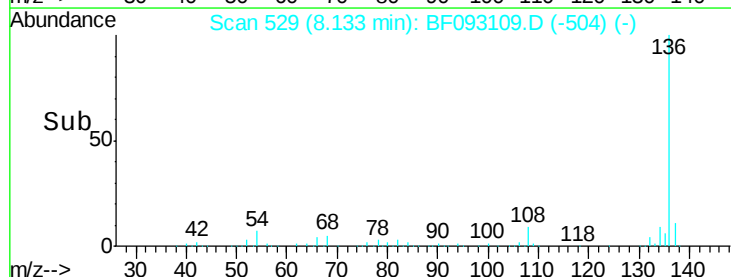
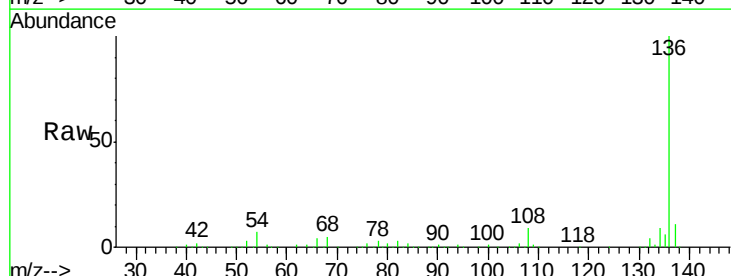
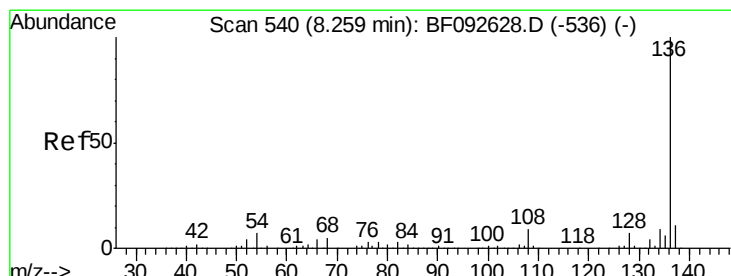
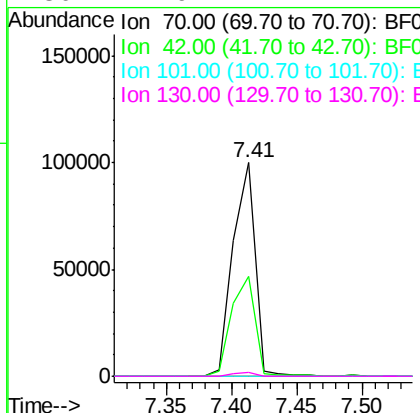




#19
n-Nitroso-di-n-propylamine
Concen: 16.19 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093109.D
Acq: 23 Feb 2017 17:29

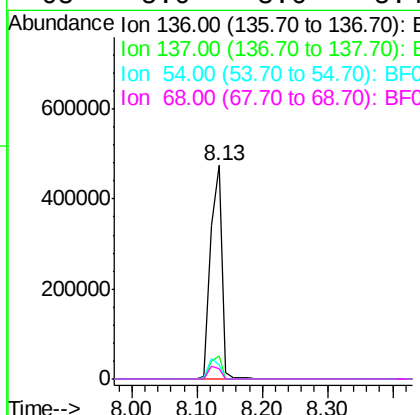
Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SAND

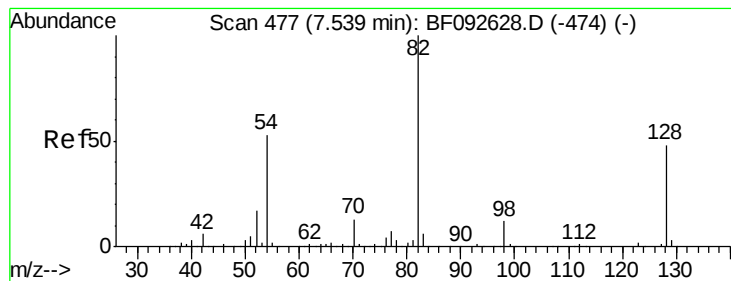
Tgt Ion: 70 Resp: 116779
Ion Ratio Lower Upper
70 100
42 46.6 49.4 74.0#
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF093109.D
Acq: 23 Feb 2017 17:29

Tgt Ion: 136 Resp: 584201
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 6.5 4.5 6.7
68 5.0 3.6 5.4





#23

Nitrobenzene-d5

Concen: 84.90 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SAND

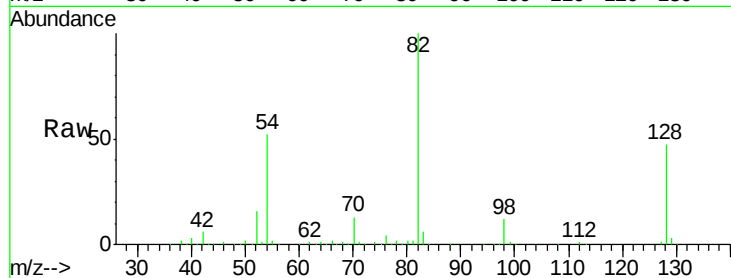
Tgt Ion: 82 Resp: 890640

Ion Ratio Lower Upper

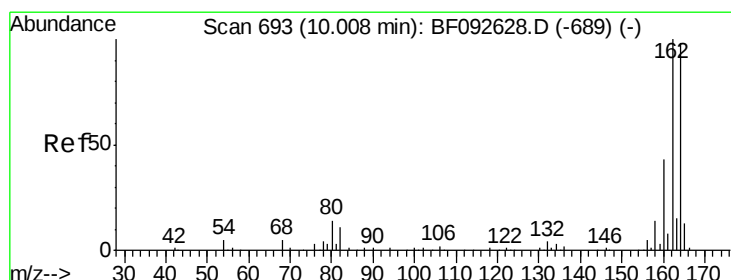
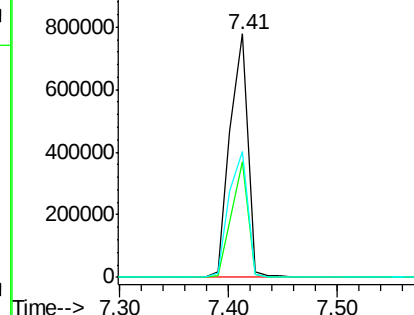
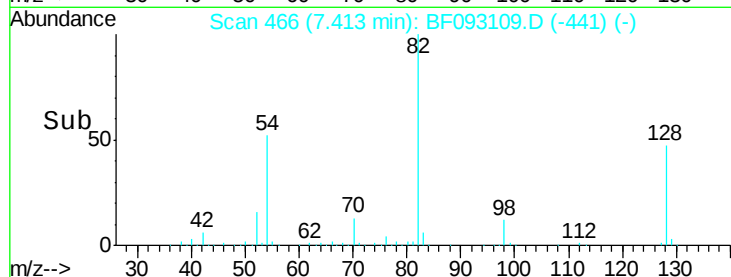
82 100

128 47.3 34.6 52.0

54 51.8 39.5 59.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

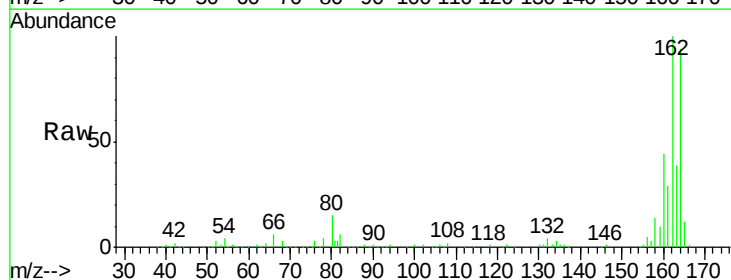
Tgt Ion: 164 Resp: 289849

Ion Ratio Lower Upper

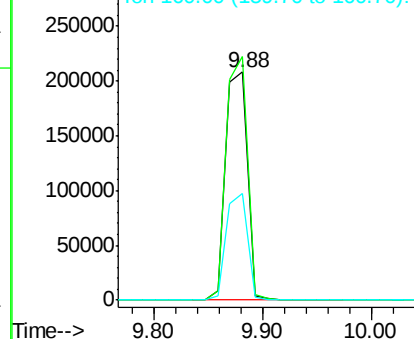
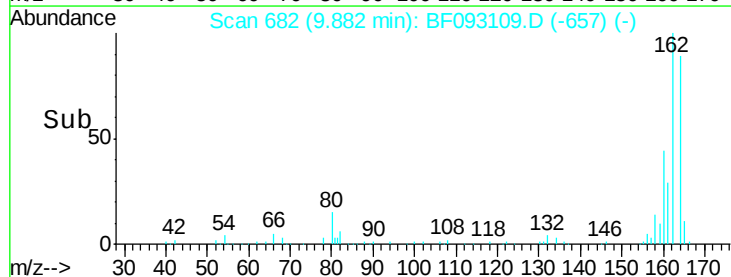
164 100

162 106.8 80.2 120.2

160 47.0 36.9 55.3



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

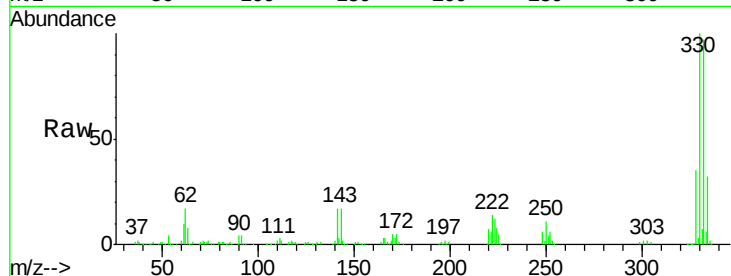




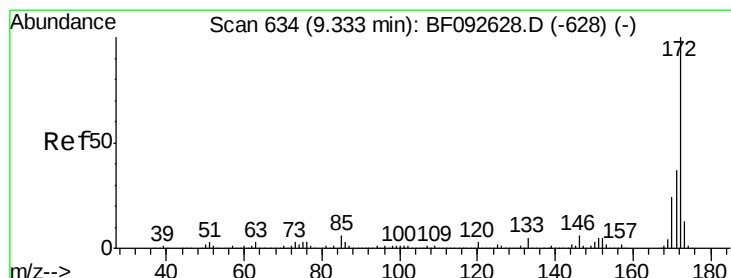
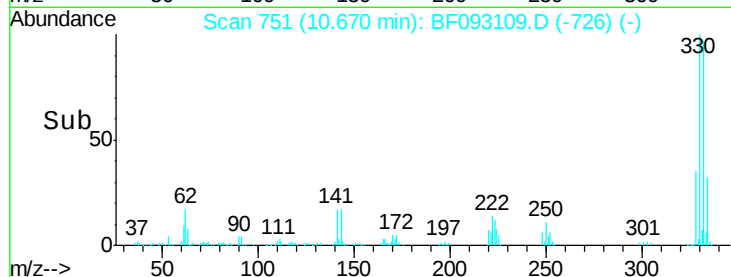
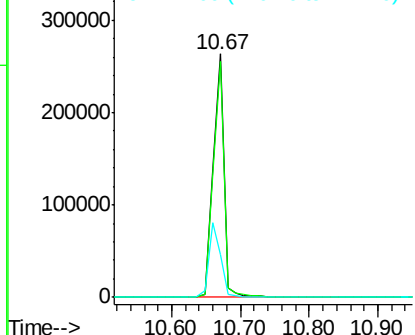
#41
 2,4,6-Tribromophenol
 Concen: 141.45 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093109.D
 Acq: 23 Feb 2017 17:29

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-FINE-SAND

Tgt Ion:330 Resp: 296522
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 32.9 34.1 51.1#

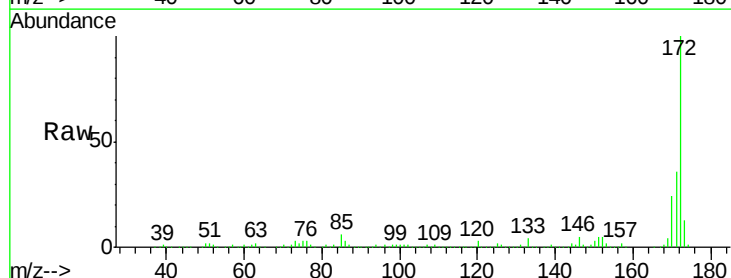


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

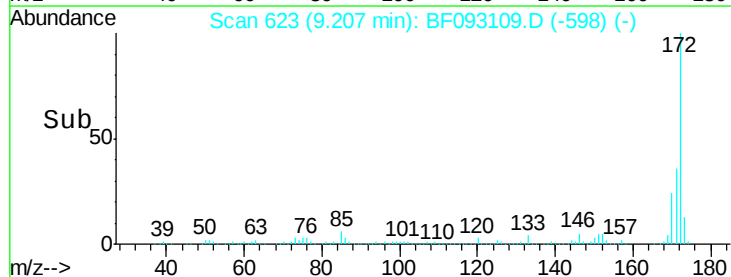
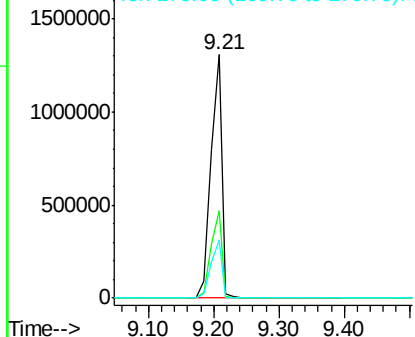


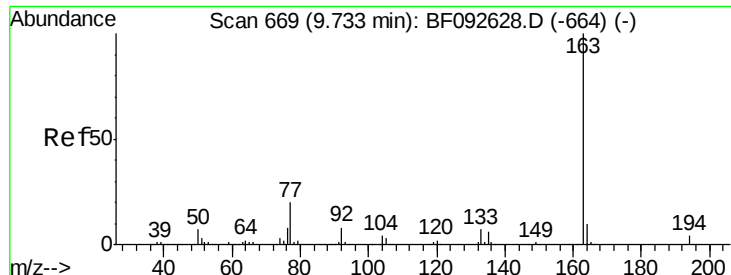
#44
 2-Fluorobiphenyl
 Concen: 96.39 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093109.D
 Acq: 23 Feb 2017 17:29

Tgt Ion:172 Resp: 1542110
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.0
 170 23.8 20.2 30.4



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: 4.48 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SAND

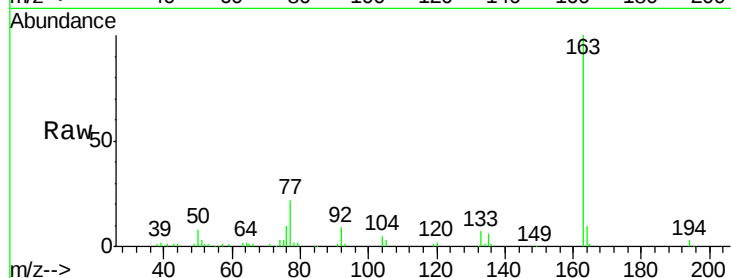
Tgt Ion:163 Resp: 87554

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

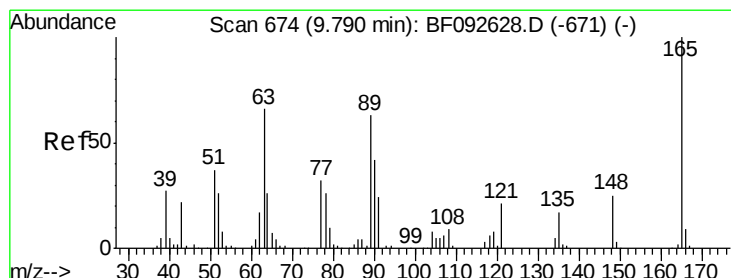
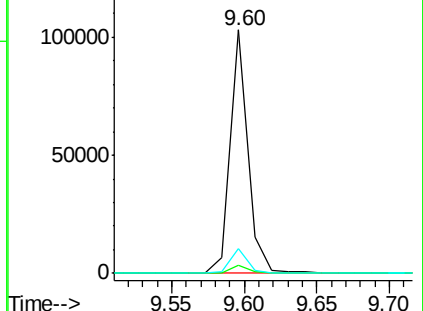
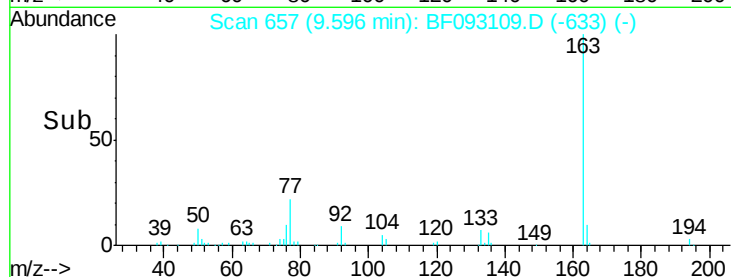
164 10.1 8.0 12.0



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



#50

2,6-Dinitrotoluene

Concen: 8.70 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.19 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

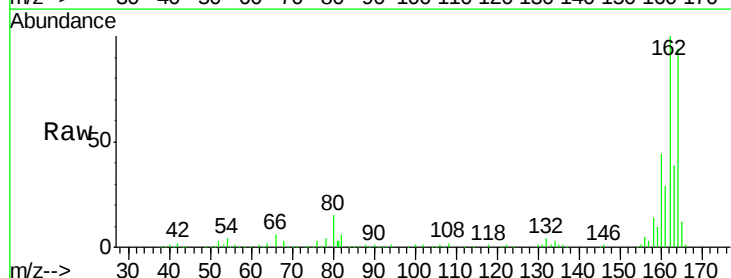
Tgt Ion:165 Resp: 36670

Ion Ratio Lower Upper

165 100

63 1.3 36.2 54.4#

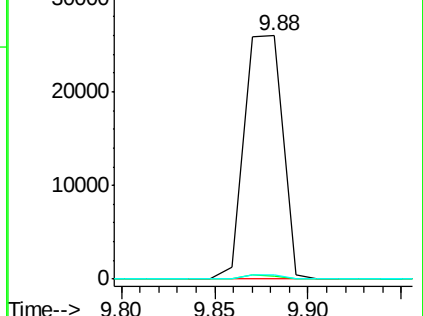
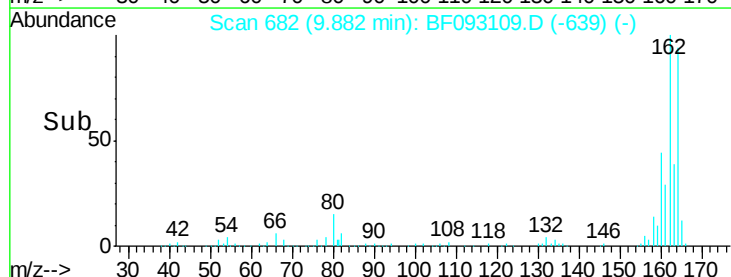
89 1.6 40.2 60.4#

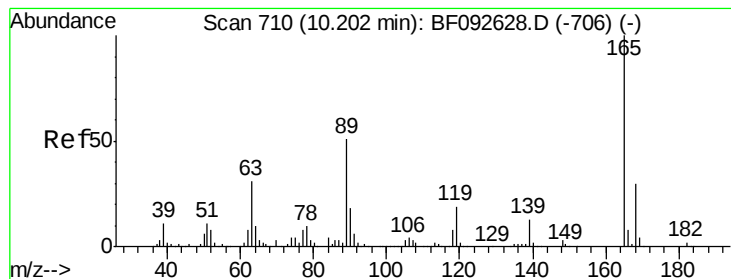


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.53 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.21 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SAND

Tgt Ion:165 Resp: 36670

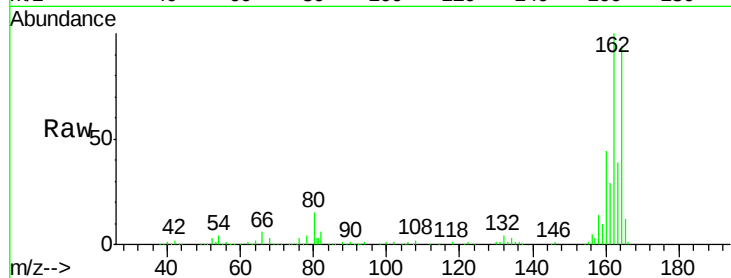
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

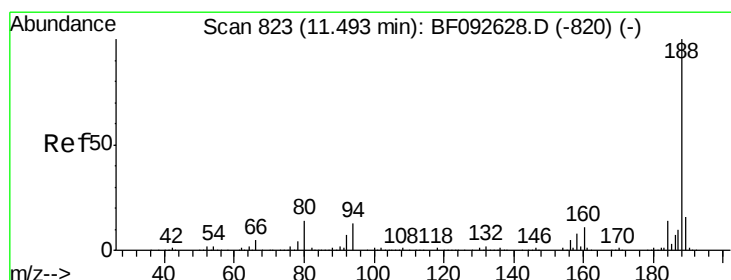
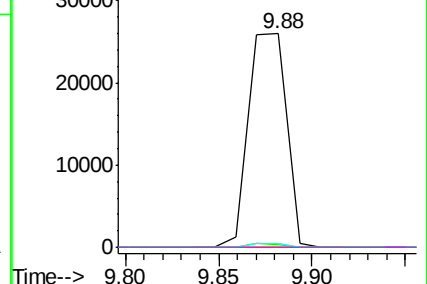
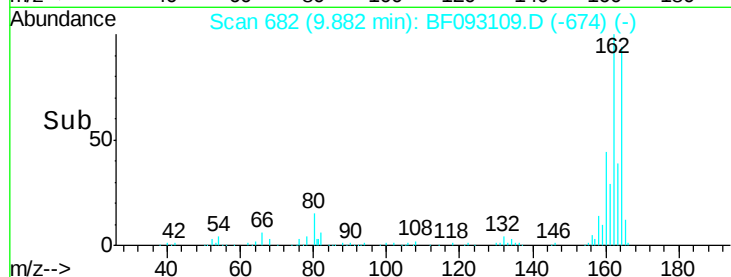


Abundance Ion 165.00 (164.70 to 165.70): E

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

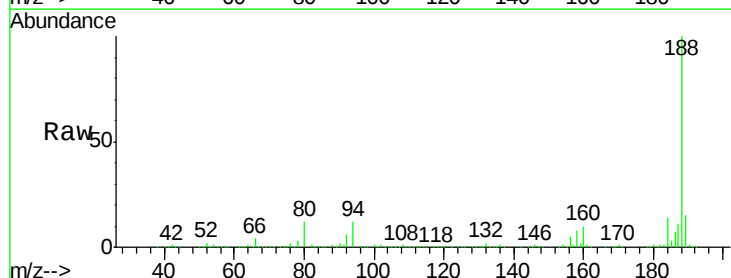
Tgt Ion:188 Resp: 553189

Ion Ratio Lower Upper

188 100

94 11.7 10.0 15.0

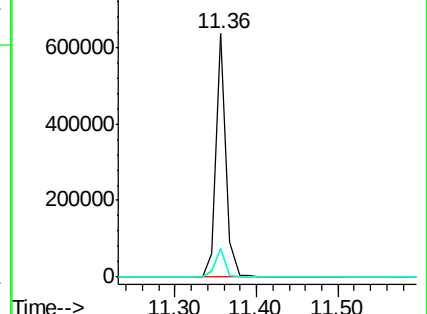
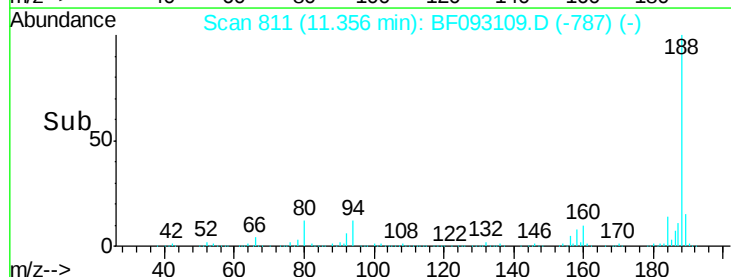
80 11.9 11.2 16.8

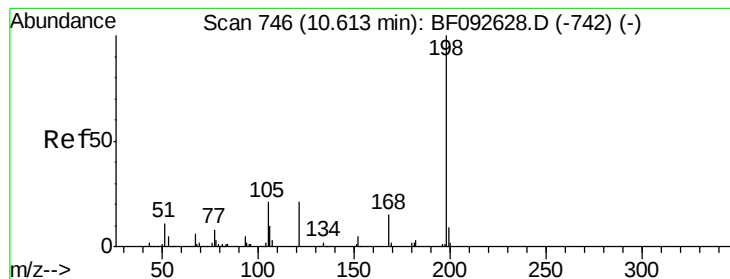


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.85 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SAND

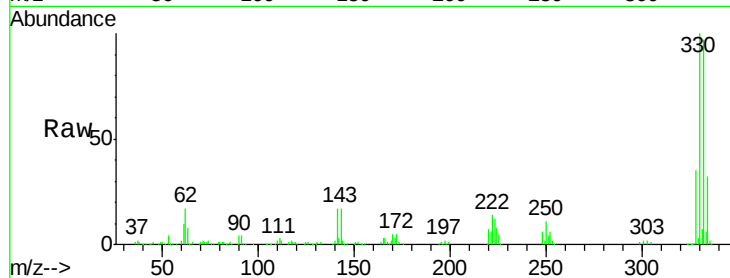
Tgt Ion:198 Resp: 644

Ion Ratio Lower Upper

198 100

51 112.8 6.7 46.7#

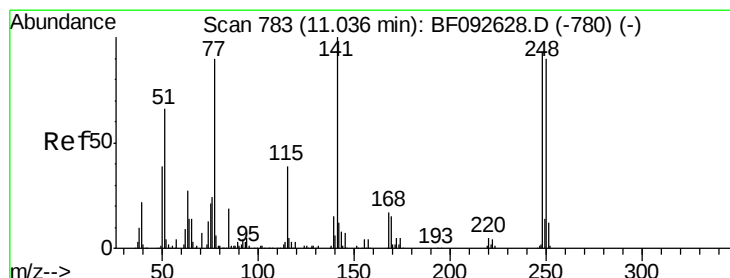
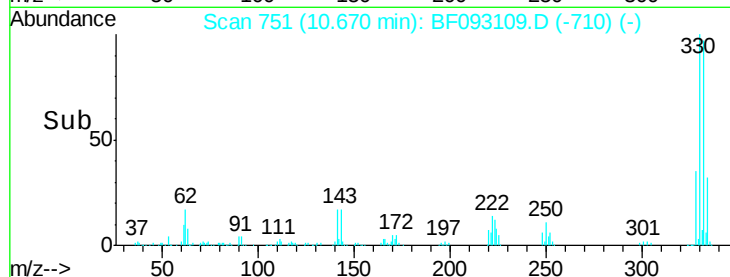
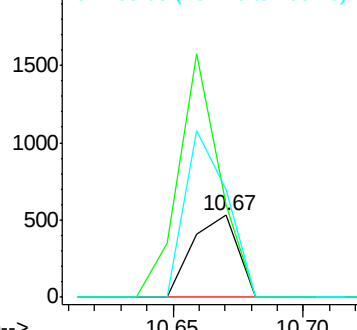
105 131.1 16.6 56.6#



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: 3.58 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

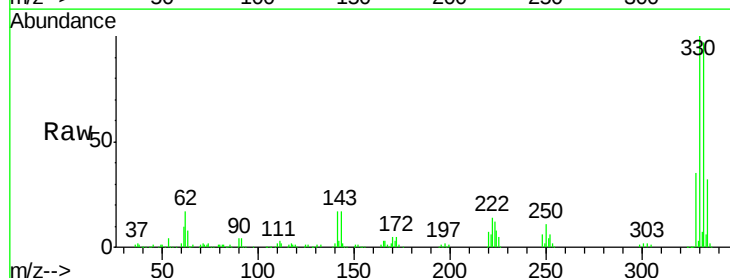
Tgt Ion:248 Resp: 20715

Ion Ratio Lower Upper

248 100

250 200.9 76.9 115.3#

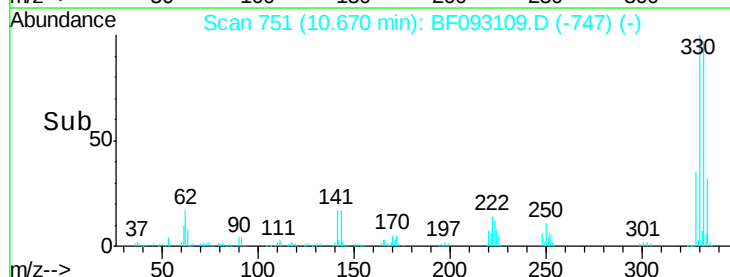
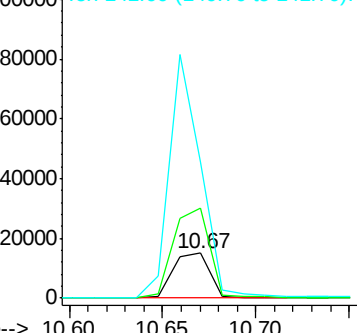
141 305.7 68.2 102.4#

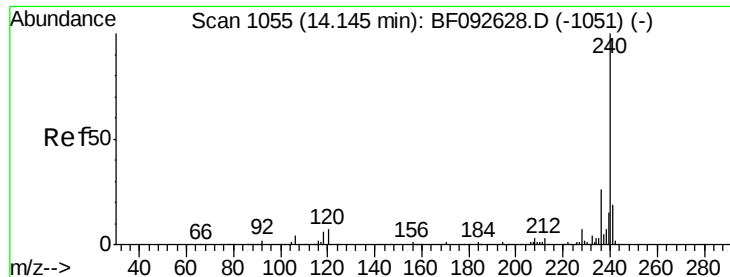


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

Instrument :

BNA_F

ClientSampleId :

SPARTA-FINE-SAND

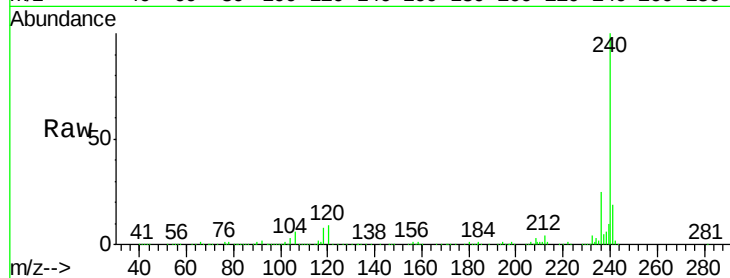
Tgt Ion:240 Resp: 515648

Ion Ratio Lower Upper

240 100

120 9.3 12.9 19.3#

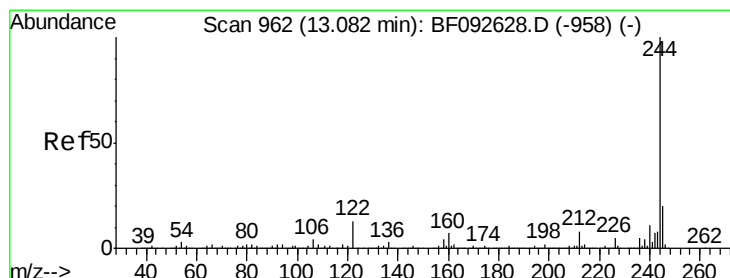
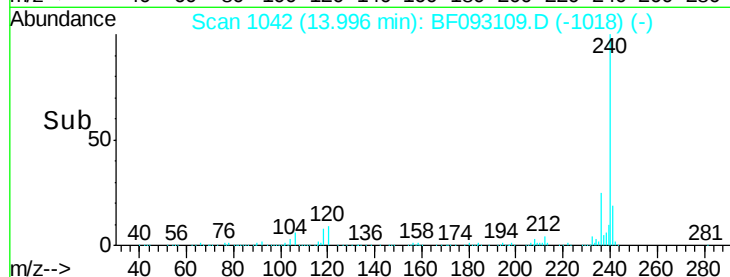
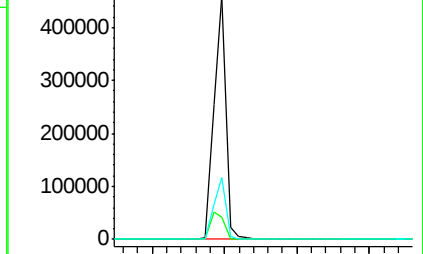
236 25.4 20.9 31.3



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

Terphenyl-d14

Concen: 58.11 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093109.D

Acq: 23 Feb 2017 17:29

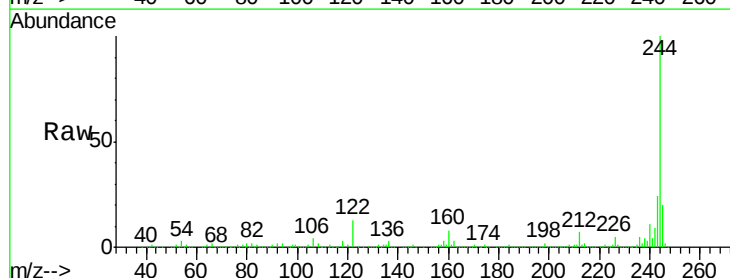
Tgt Ion:244 Resp: 1275181

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

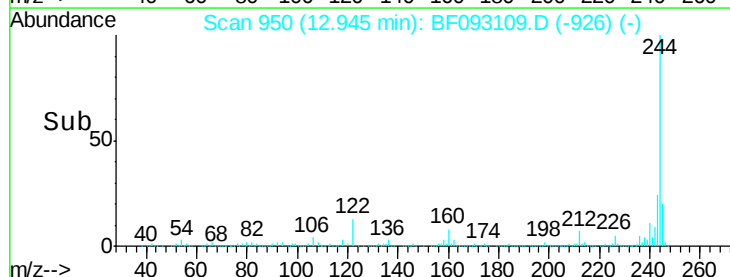
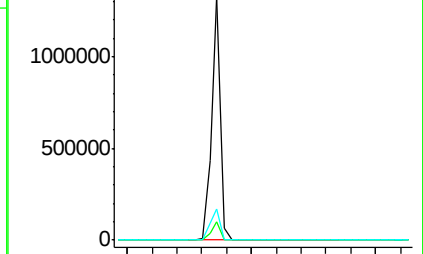
122 12.6 11.4 17.2

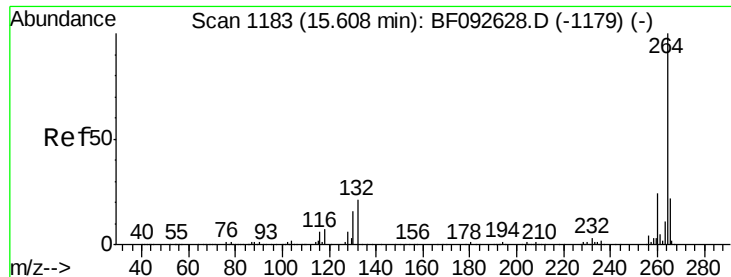


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

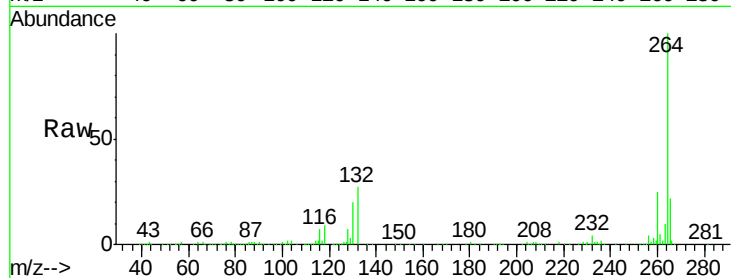




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093109.D
Acq: 23 Feb 2017 17:29

Instrument :
BNA_F
ClientSampleId :
SPARTA-FINE-SAND

Tgt Ion: 264 Resp: 403901
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.1 17.4 26.0



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

