

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091637.D
 Acq On : 15 Dec 2016 19:19
 Operator : UM/SJ
 Sample : H6029-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-02

Quant Time: Dec 16 00:13:39 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

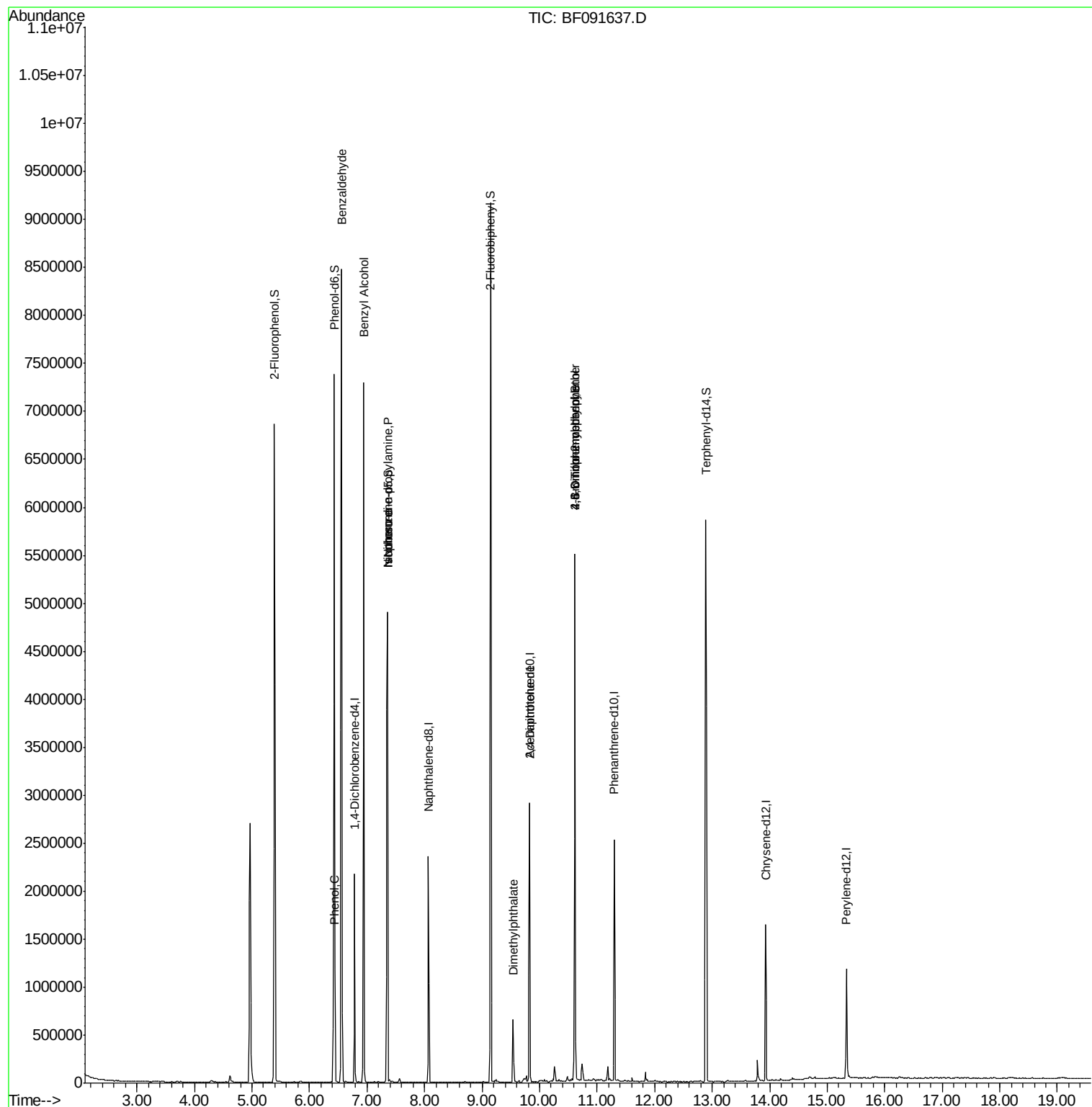
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	319155	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1235193	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	670901	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	955416	20.00	ng	-0.03
75) Chrysene-d12	13.93	240	646672	20.00	ng	-0.03
86) Perylene-d12	15.33	264	613536	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	2707143	142.90	ng	-0.02
7) Phenol-d6	6.43	99	2995157	126.82	ng	-0.02
23) Nitrobenzene-d5	7.36	82	2407691	108.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	666593	119.62	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2941426	75.76	ng	-0.03
78) Terphenyl-d14	12.89	244	2502518	87.81	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.56	77	61889	3.81	ng	Qvalue 88
10) Phenol	6.44	94	144139	5.22	ng	82
15) Benzyl Alcohol	6.94	79	38650	2.07	ng	# 33
19) n-Nitroso-di-n-propylamine	7.36	70	322281	21.82	ng	# 59
20) 3+4-Methylphenols	6.93	107	590	Below Cal		# 1
25) Isophorone	7.36	82	2134002	54.24	ng	# 67
49) Dimethylphthalate	9.54	163	273279	6.43	ng	98
56) 2,4-Dinitrotoluene	9.82	165	86269	7.38	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.61	198	1662	3.21	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	45985	4.69	ng	# 1

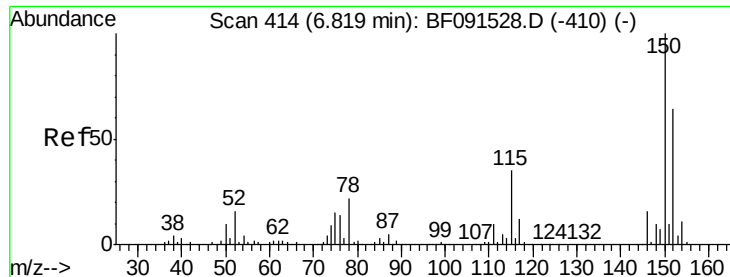
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 00:13:39 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
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QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

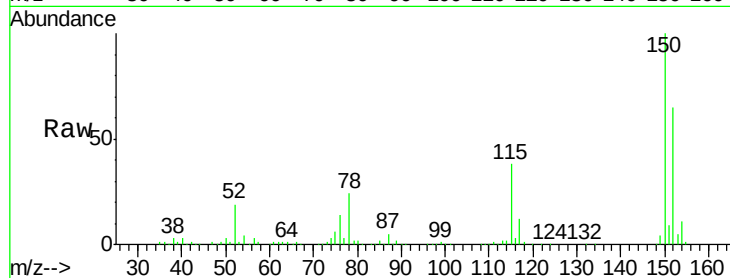
Tgt Ion:152 Resp: 319155

Ion Ratio Lower Upper

152 100

150 153.6 122.5 183.7

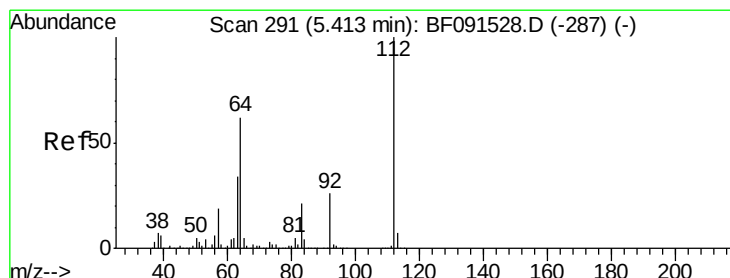
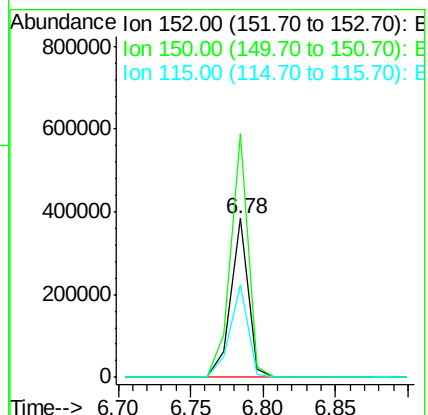
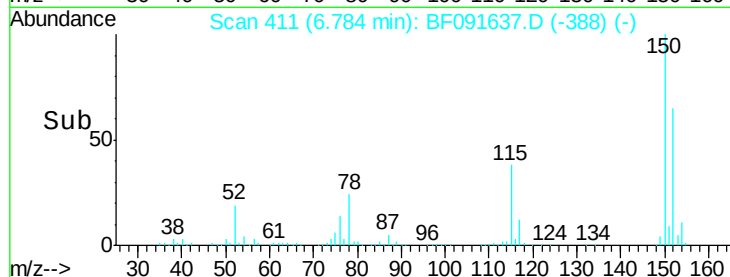
115 58.7 51.8 77.8



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: 142.90 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

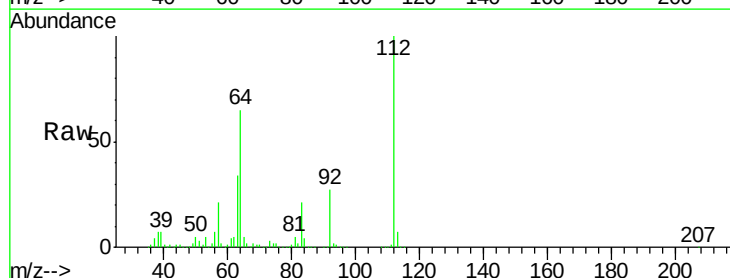
Tgt Ion:112 Resp: 2707143

Ion Ratio Lower Upper

112 100

64 65.5 61.5 92.3

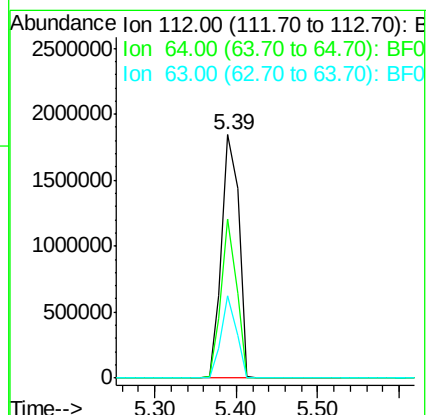
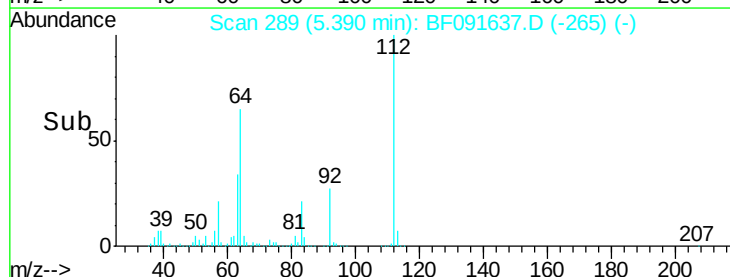
63 34.0 33.3 49.9

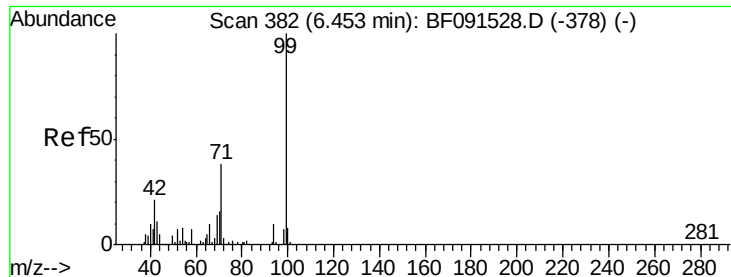


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.82 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

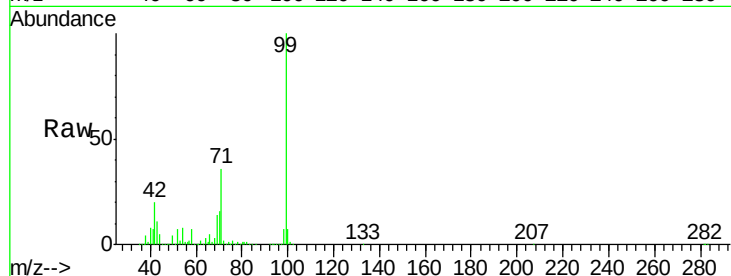
Tgt Ion: 99 Resp: 2995157

Ion Ratio Lower Upper

99 100

42 20.2 20.6 31.0#

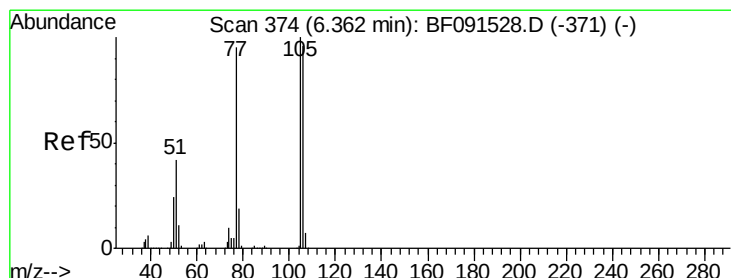
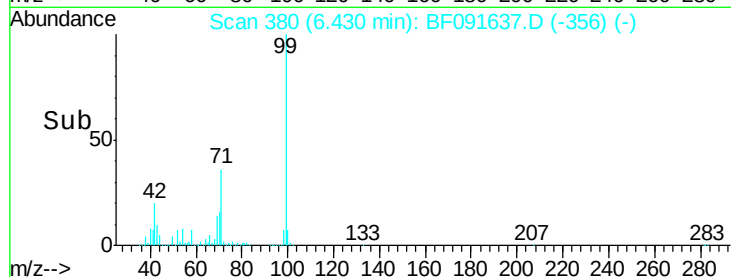
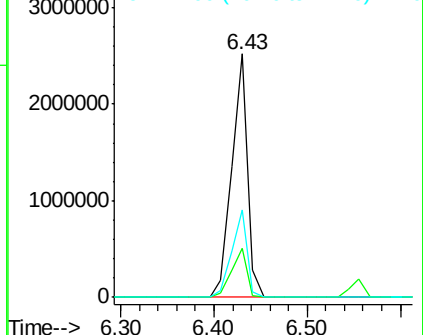
71 35.7 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.81 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.19 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

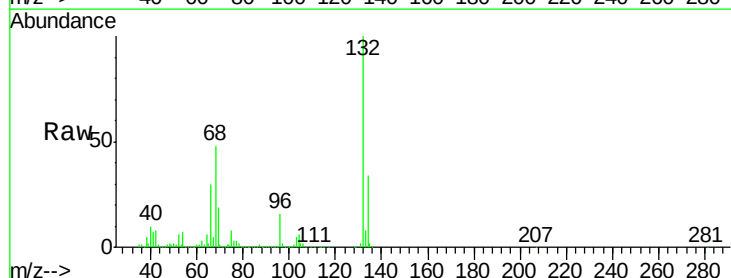
Tgt Ion: 77 Resp: 61889

Ion Ratio Lower Upper

77 100

105 77.5 66.4 106.4

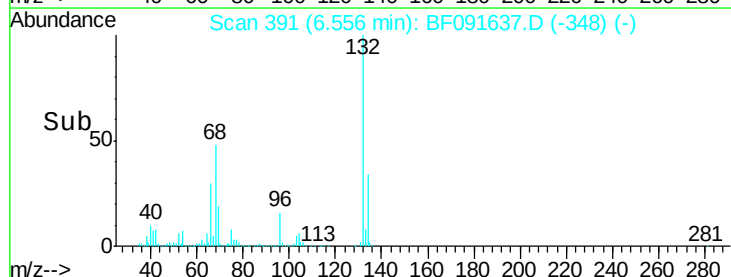
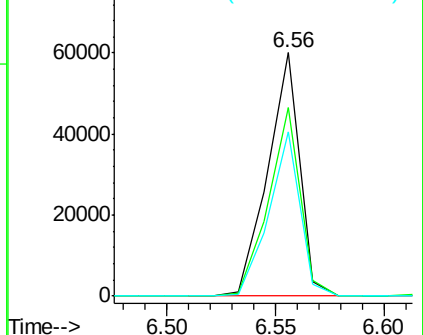
106 67.7 60.9 100.9

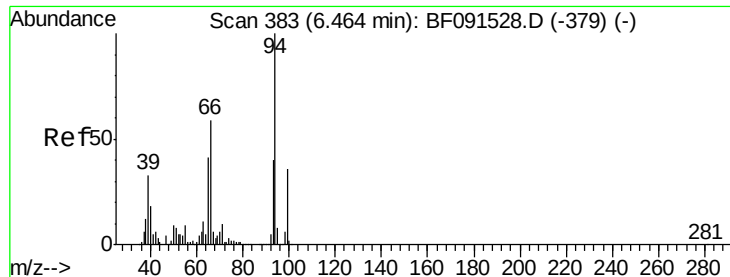


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.22 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

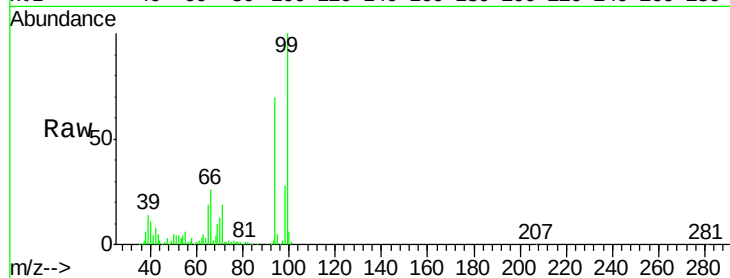
Tgt Ion: 94 Resp: 144139

Ion Ratio Lower Upper

94 100

65 27.3 16.9 56.9

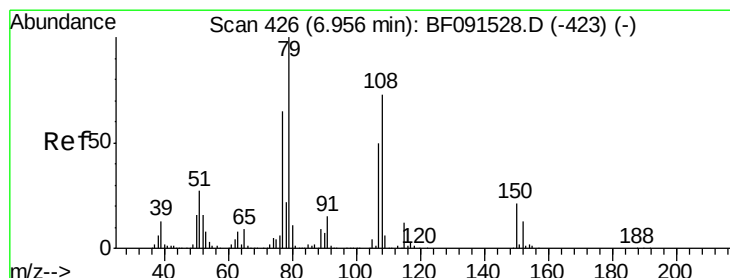
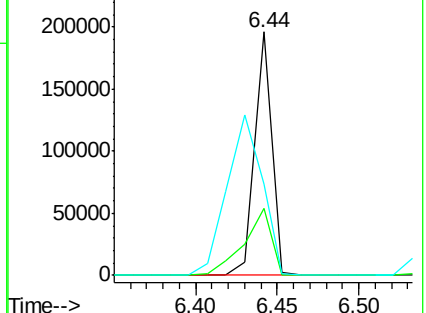
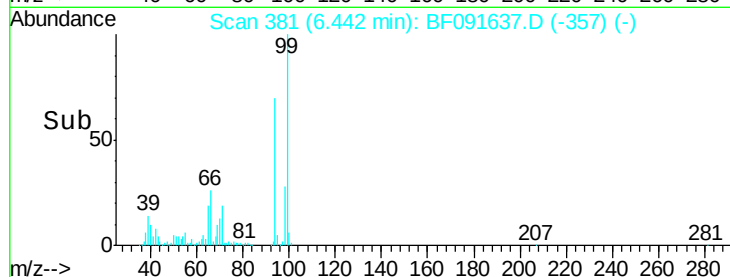
66 37.3 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.07 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

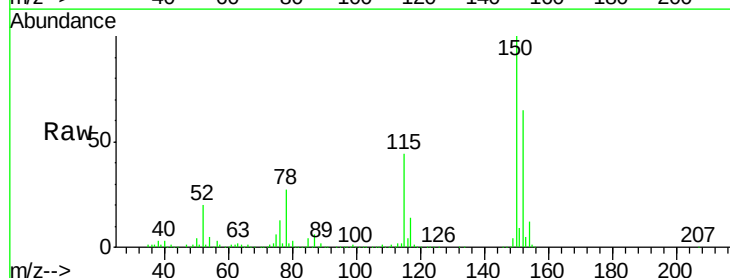
Tgt Ion: 79 Resp: 38650

Ion Ratio Lower Upper

79 100

108 30.2 62.7 94.1#

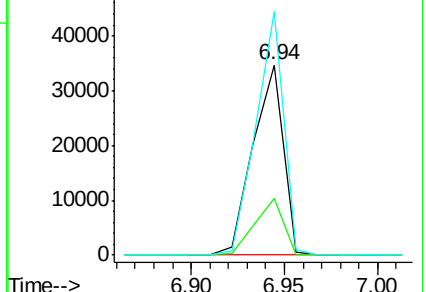
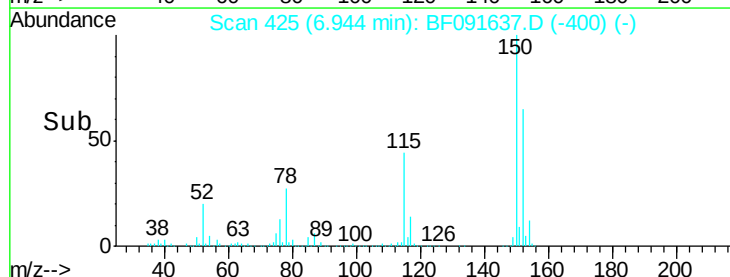
77 128.2 51.7 77.5#

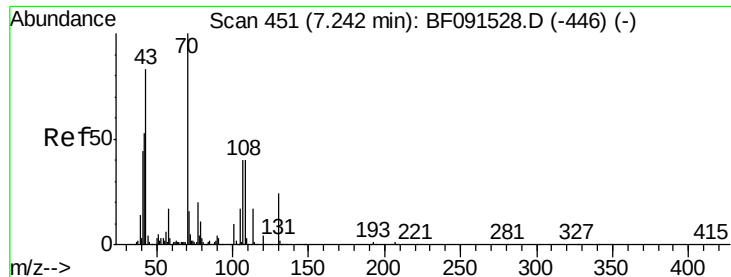


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

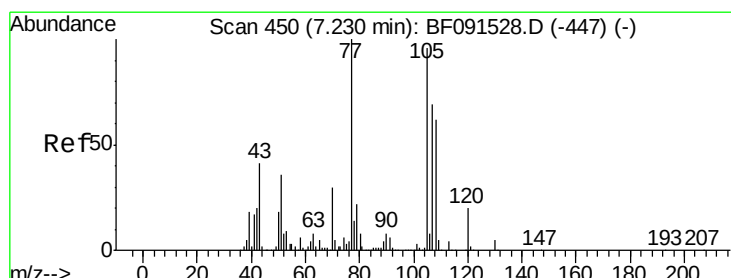
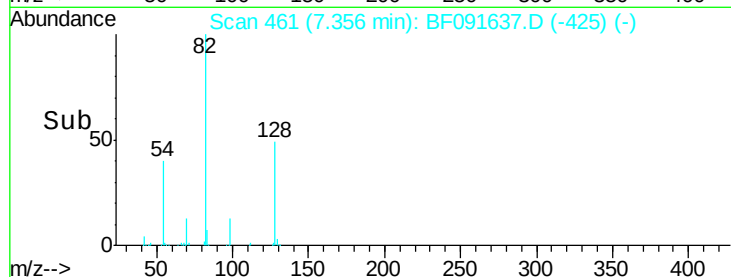
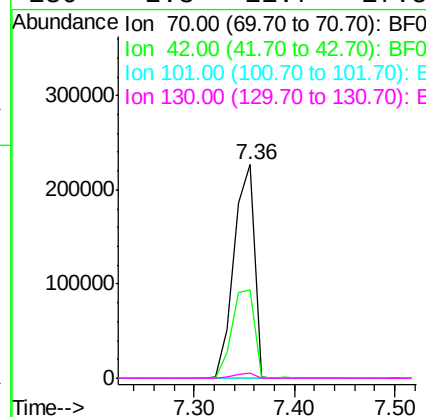
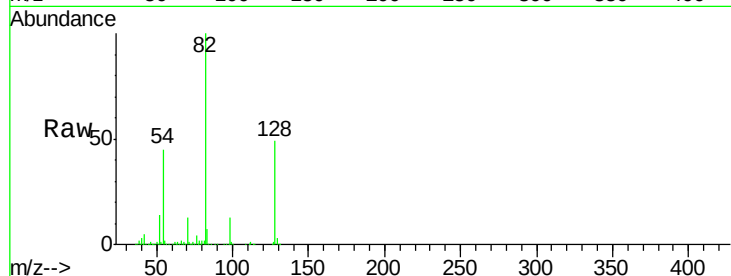




#19
n-Nitroso-di-n-propylamine
Concen: 21.82 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.11 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

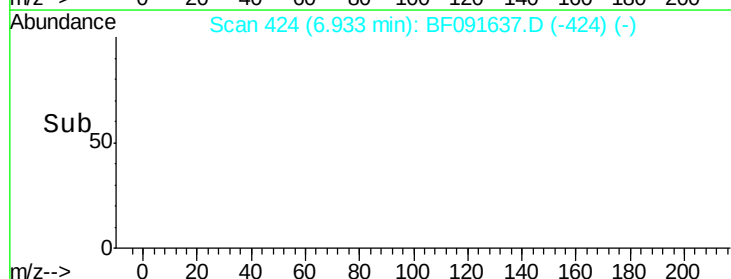
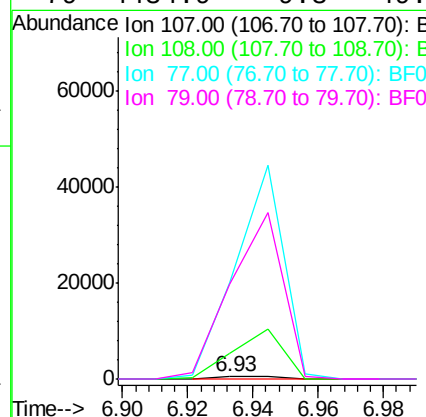
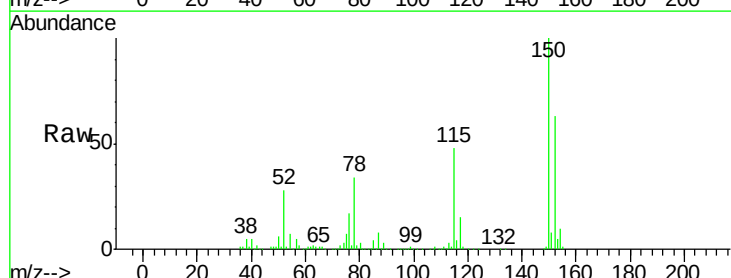
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

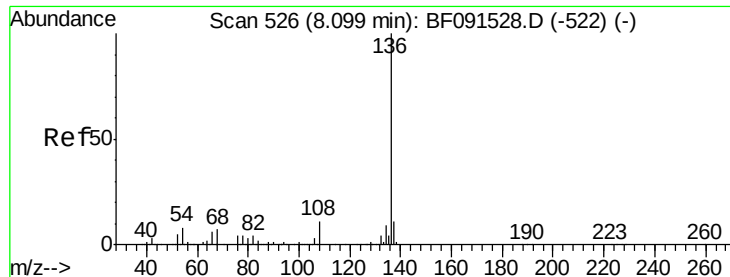
Tgt Ion: 70 Resp: 322281
Ion Ratio Lower Upper
70 100
42 41.3 64.8 97.2#
101 0.0 6.2 9.4#
130 2.3 11.7 17.5#



#20
3+4-Methylphenols
Concen: Below Cal
RT: 6.93 min Scan# 424
Delta R.T. -0.30 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

Tgt Ion: 107 Resp: 590
Ion Ratio Lower Upper
107 100
108 1164.7 64.6 104.6#
77 4440.3 30.9 70.9#
79 4434.9 9.3 49.3#

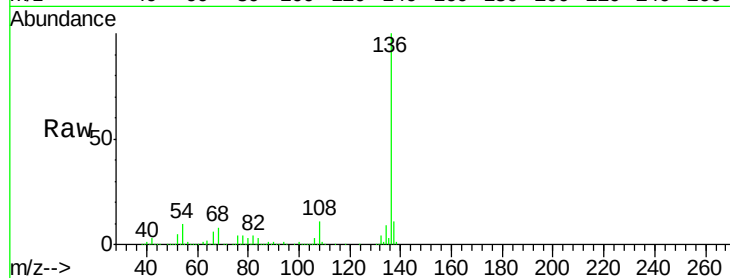




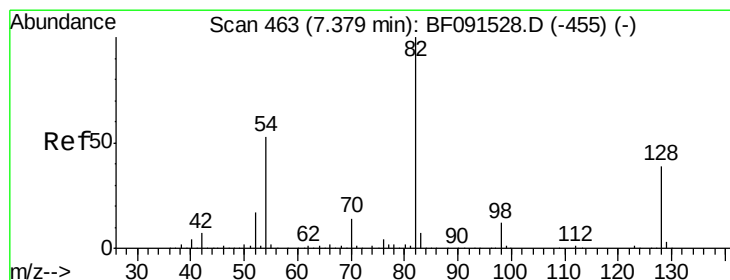
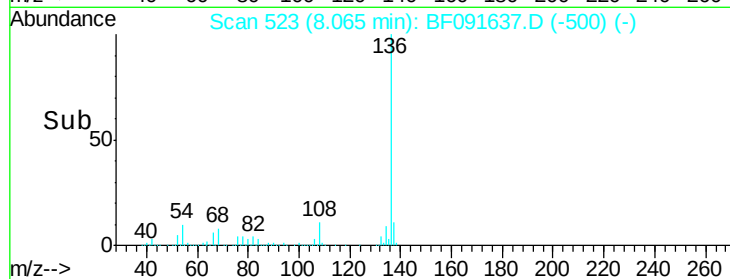
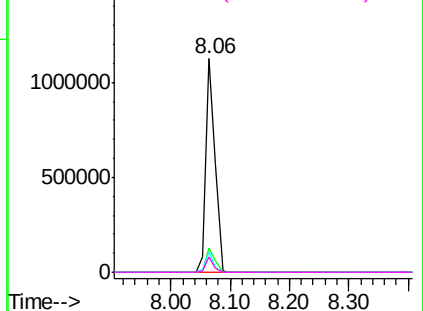
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.03 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

Tgt Ion:	136	Resp:	1235193
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.5	9.1	13.7
68	7.5	5.9	8.9

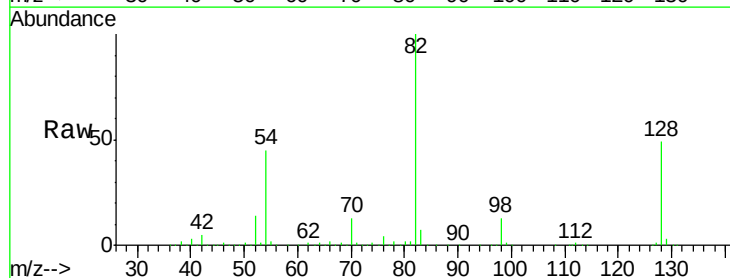


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

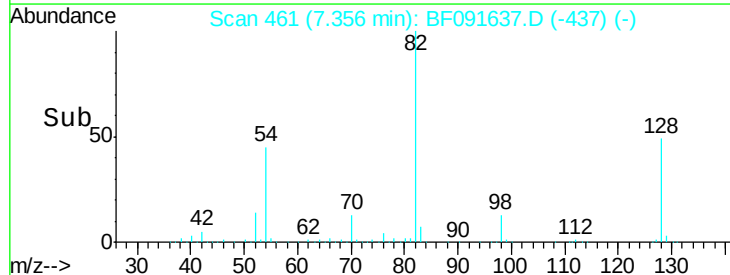
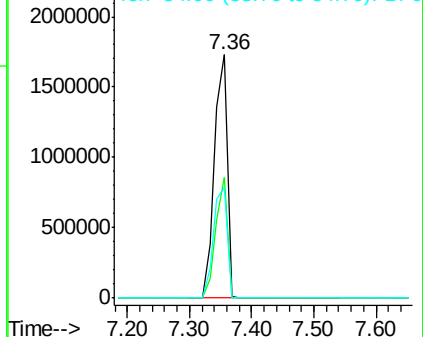


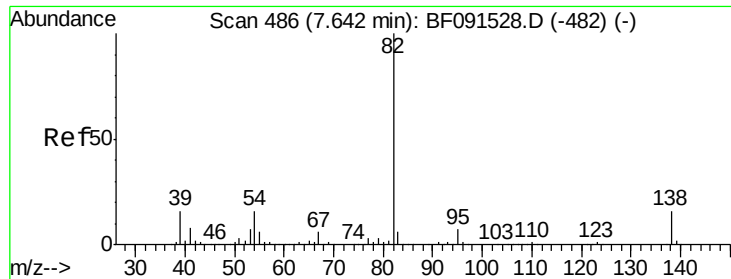
#23
Nitrobenzene-d5
Concen: 108.79 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

Tgt Ion:	82	Resp:	2407691
Ion	Ratio	Lower	Upper
82	100		
128	49.3	31.8	47.6#
54	45.3	49.1	73.7#



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





#25

Isophorone

Concen: 54.24 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.29 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

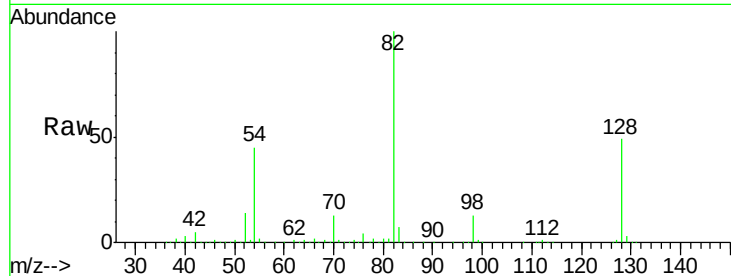
Tgt Ion: 82 Resp: 2134002

Ion Ratio Lower Upper

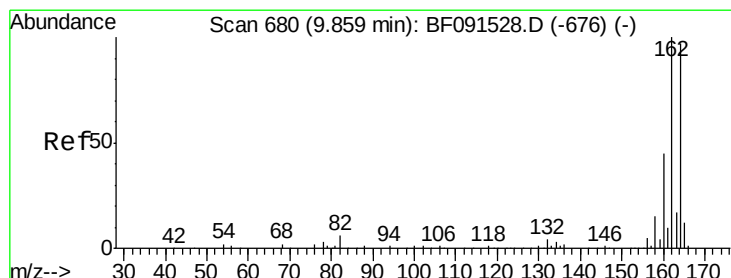
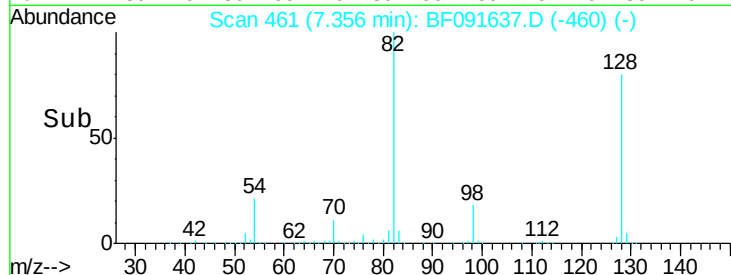
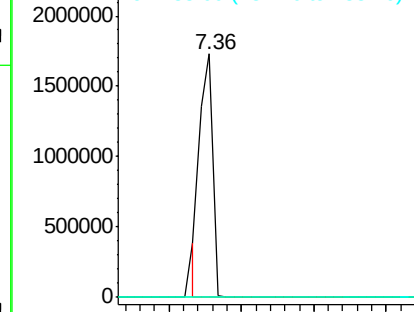
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

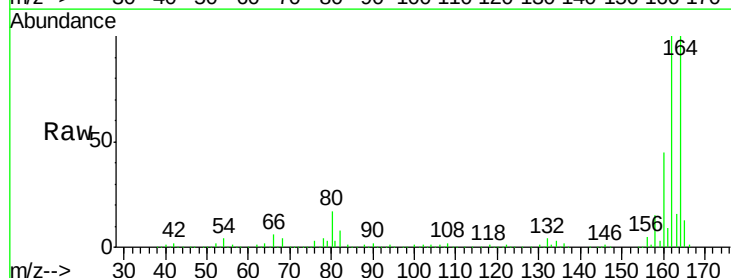
Tgt Ion: 164 Resp: 670901

Ion Ratio Lower Upper

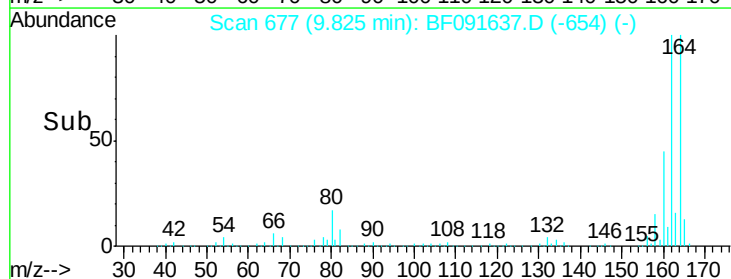
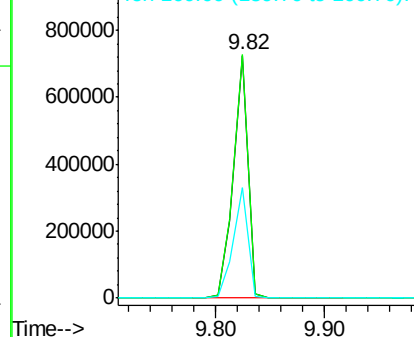
164 100

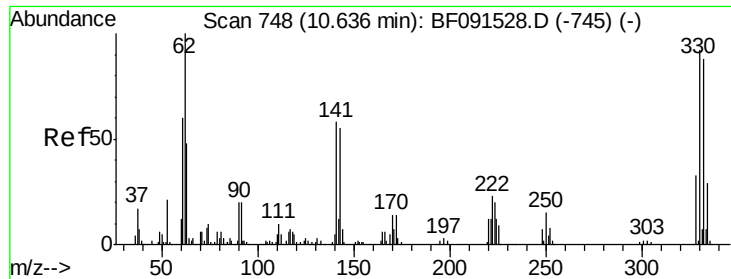
162 100.4 82.6 124.0

160 45.7 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

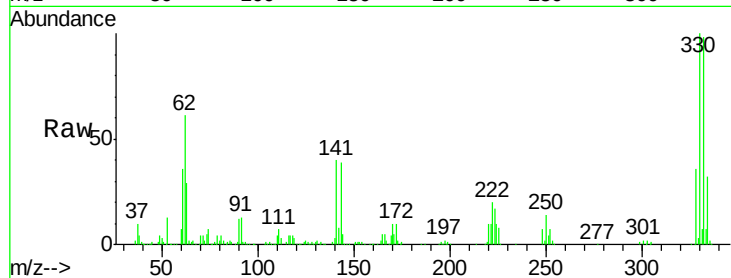




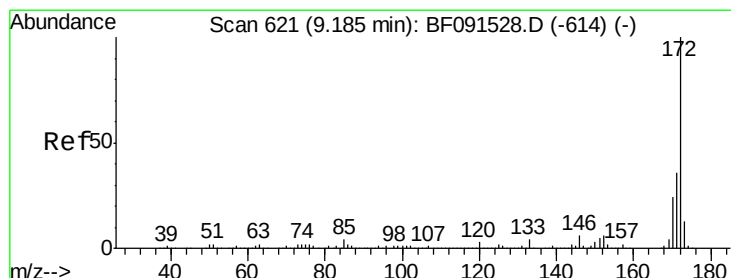
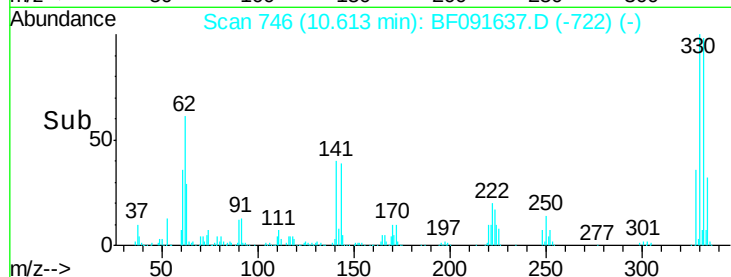
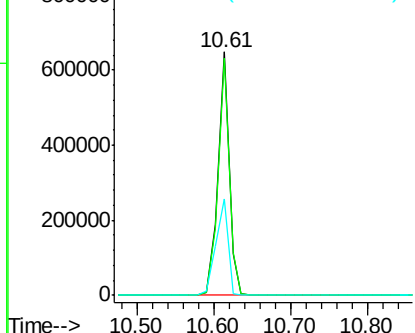
#41
 2,4,6-Tribromophenol
 Concen: 119.62 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF091637.D
 Acq: 15 Dec 2016 19:19

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-02

Tgt Ion:330 Resp: 666593
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 42.0 33.6 50.4

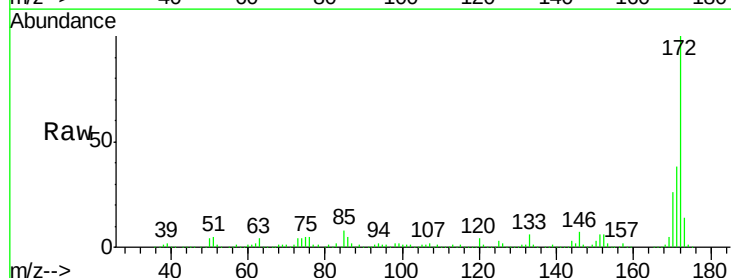


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

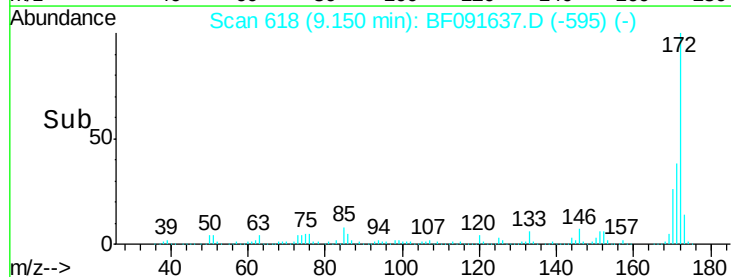
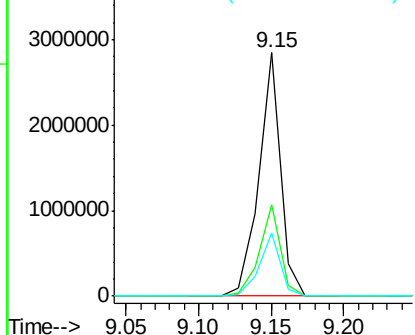


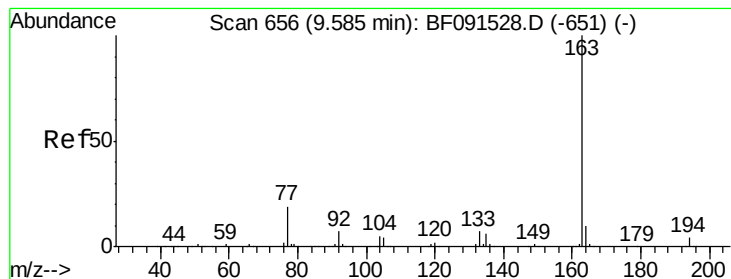
#44
 2-Fluorobiphenyl
 Concen: 75.76 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: BF091637.D
 Acq: 15 Dec 2016 19:19

Tgt Ion:172 Resp: 2941426
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.4 44.0
 170 25.8 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: 6.43 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.05 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

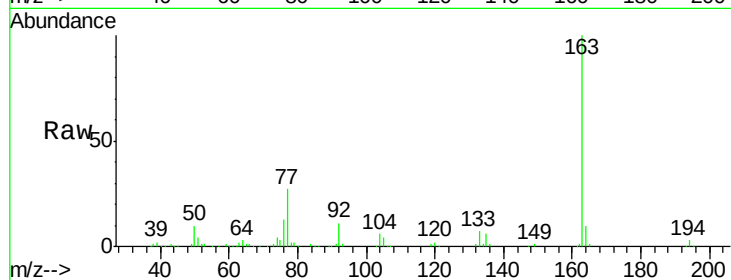
Tgt Ion:163 Resp: 273279

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

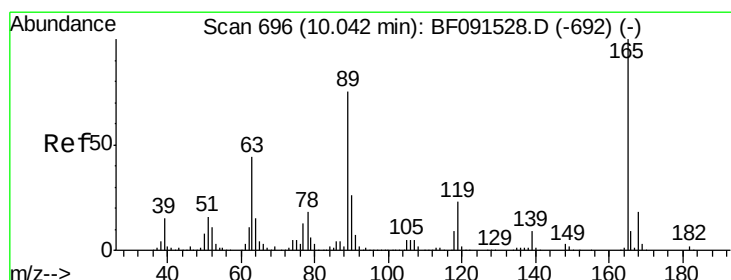
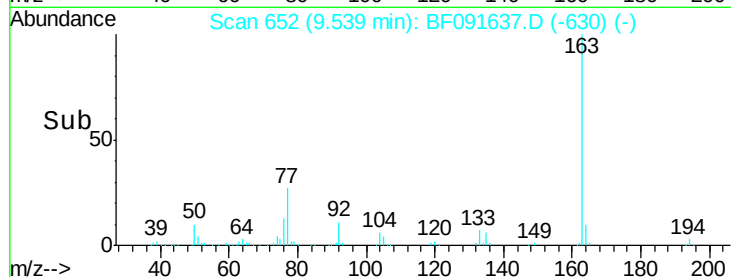
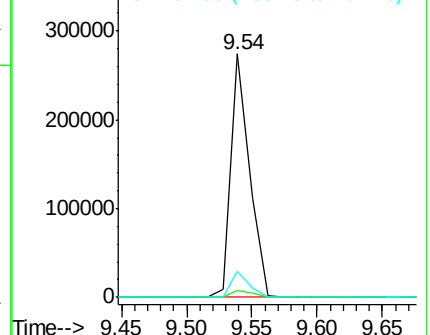
164 10.5 7.8 11.8



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: 7.38 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.22 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Tgt Ion:165 Resp: 86269

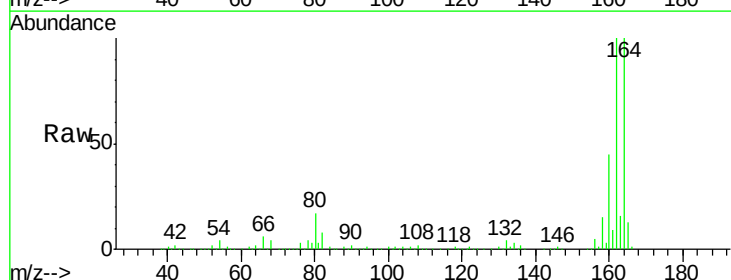
Ion Ratio Lower Upper

165 100

63 0.8 29.0 43.4#

89 0.8 43.1 64.7#

182 0.0 1.9 2.9#

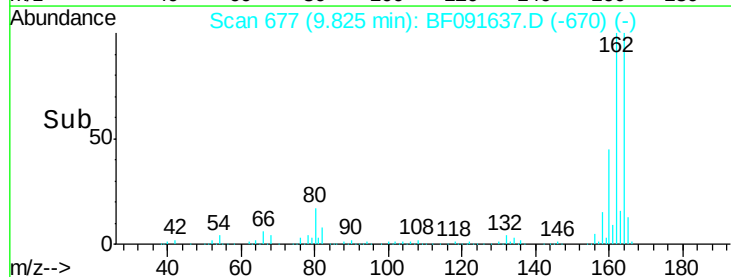
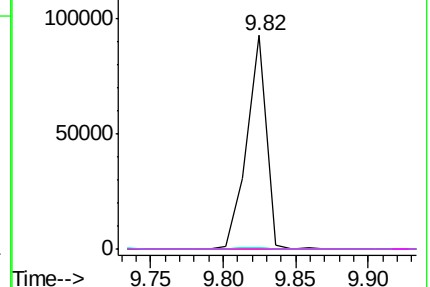


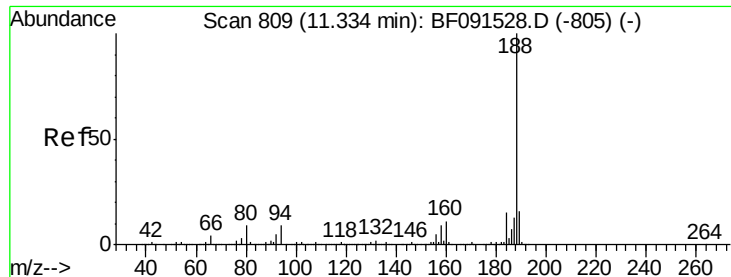
Abundance Ion 165.00 (164.70 to 165.70): E

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

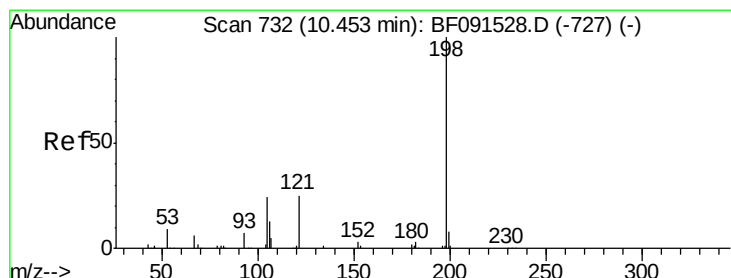
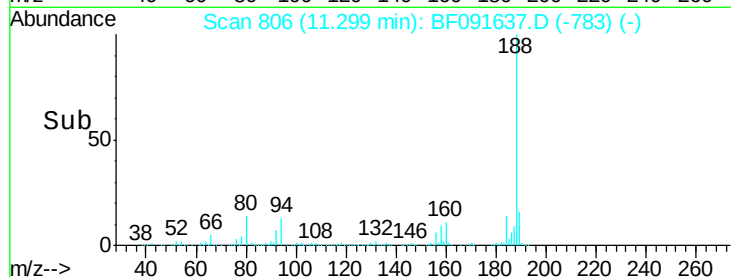
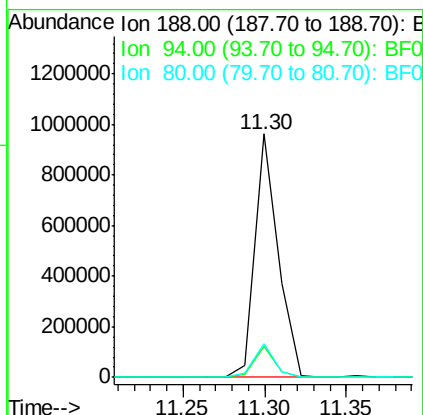
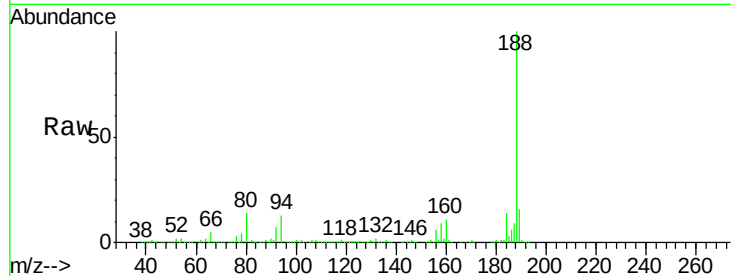




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

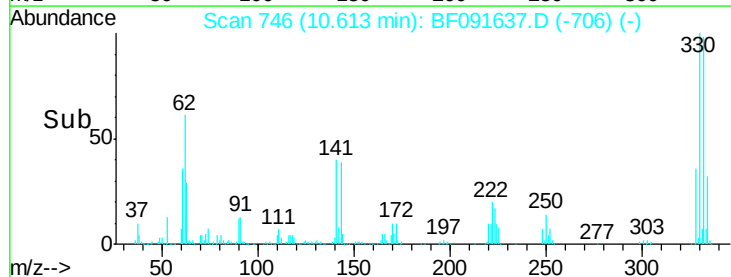
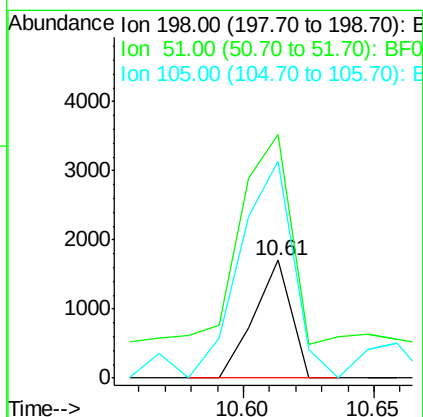
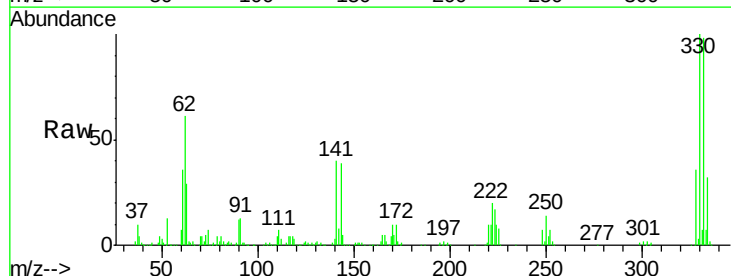
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

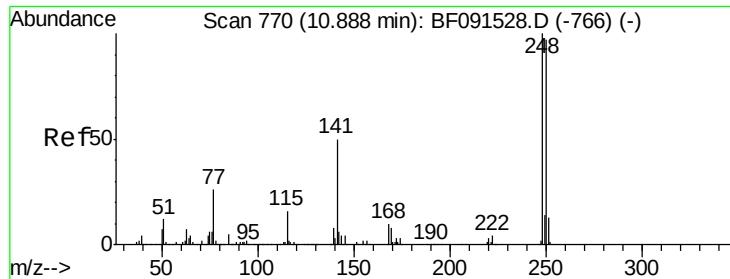
Tgt Ion:188 Resp: 955416
Ion Ratio Lower Upper
188 100
94 12.7 9.2 13.8
80 13.8 10.5 15.7



#64
4,6-Dinitro-2-methylphenol
Concen: 3.21 ng
RT: 10.61 min Scan# 746
Delta R.T. 0.16 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

Tgt Ion:198 Resp: 1662
Ion Ratio Lower Upper
198 100
51 207.0 77.1 117.1#
105 184.8 44.8 84.8#

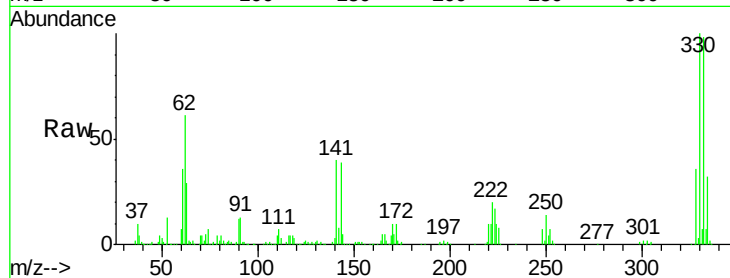




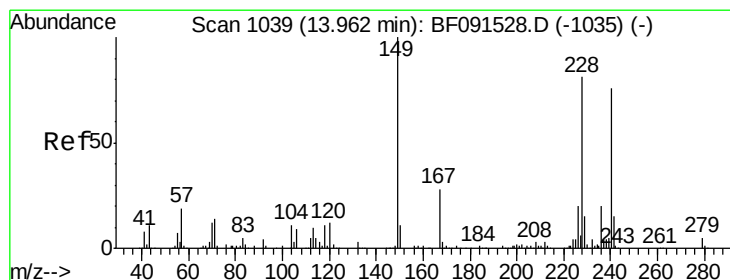
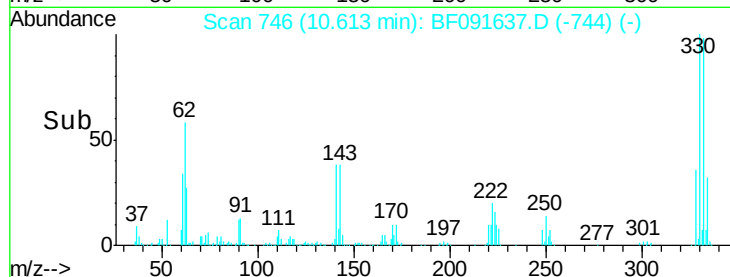
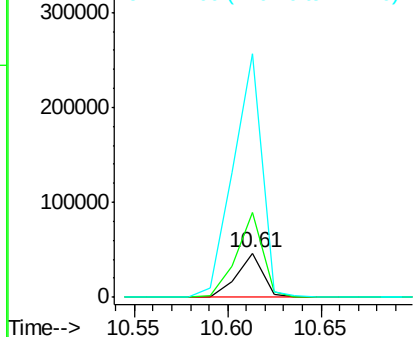
#66
4-Bromophenyl-phenylether
Concen: 4.69 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.27 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-02

Tgt Ion: 248 Resp: 45985
Ion Ratio Lower Upper
248 100
250 191.9 78.2 117.4#
141 547.5 71.9 107.9#

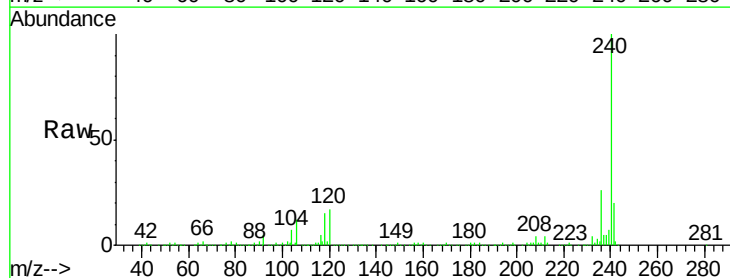


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

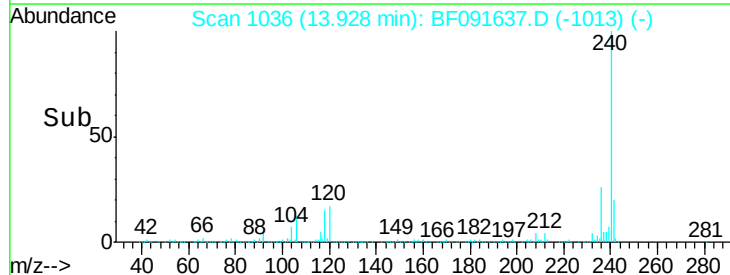
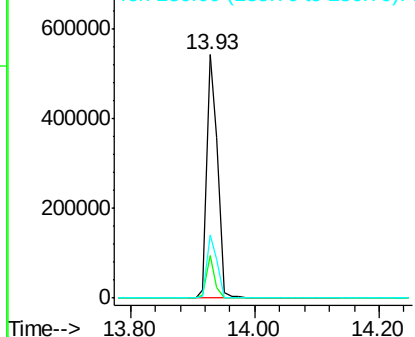


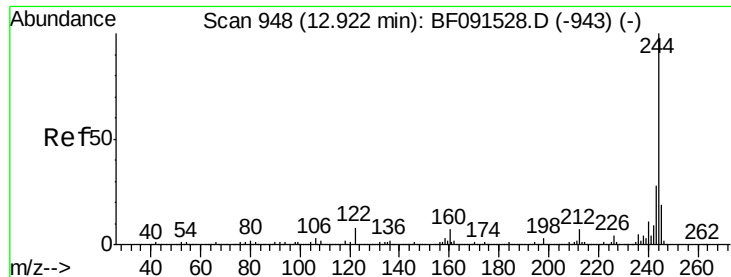
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF091637.D
Acq: 15 Dec 2016 19:19

Tgt Ion: 240 Resp: 646672
Ion Ratio Lower Upper
240 100
120 17.4 12.1 18.1
236 25.8 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





#78

Terphenyl-d14

Concen: 87.81 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-02

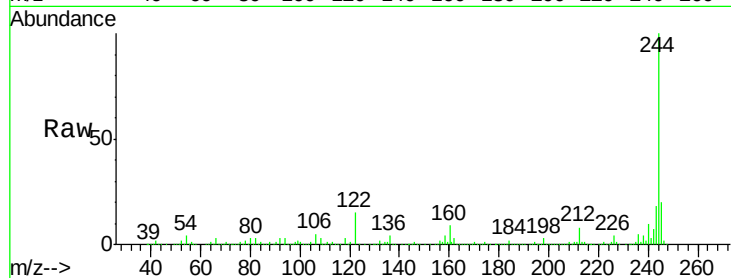
Tgt Ion:244 Resp: 2502518

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

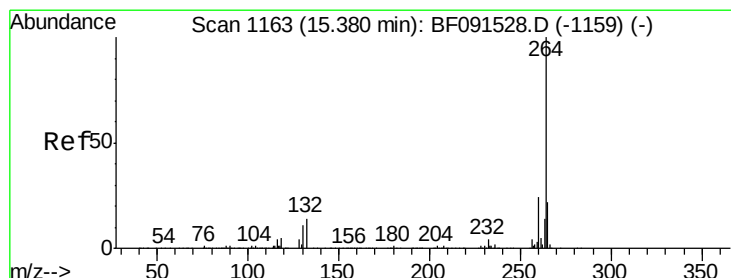
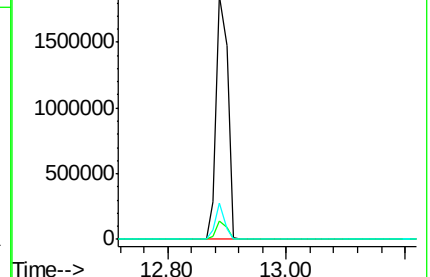
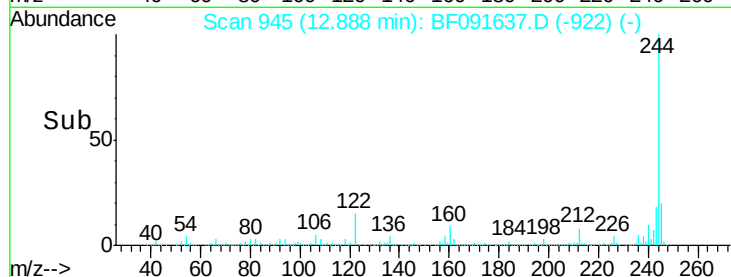
122 15.0 9.5 14.3#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. -0.05 min

Lab File: BF091637.D

Acq: 15 Dec 2016 19:19

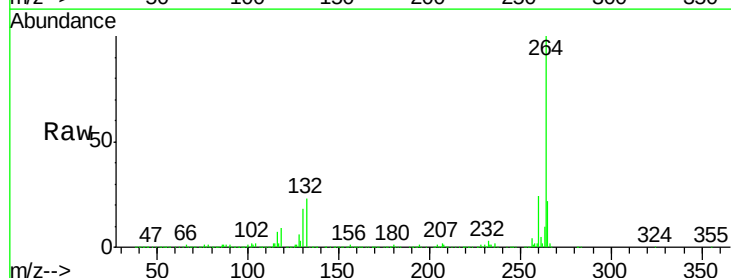
Tgt Ion:264 Resp: 613536

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.1 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

