

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120716\
 Data File : BF091491.D
 Acq On : 8 Dec 2016 1:21
 Operator : UM/SJ
 Sample : H5882-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-SVP-19

Quant Time: Dec 08 03:23:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 08 00:35:13 2016
 Response via : Initial Calibration

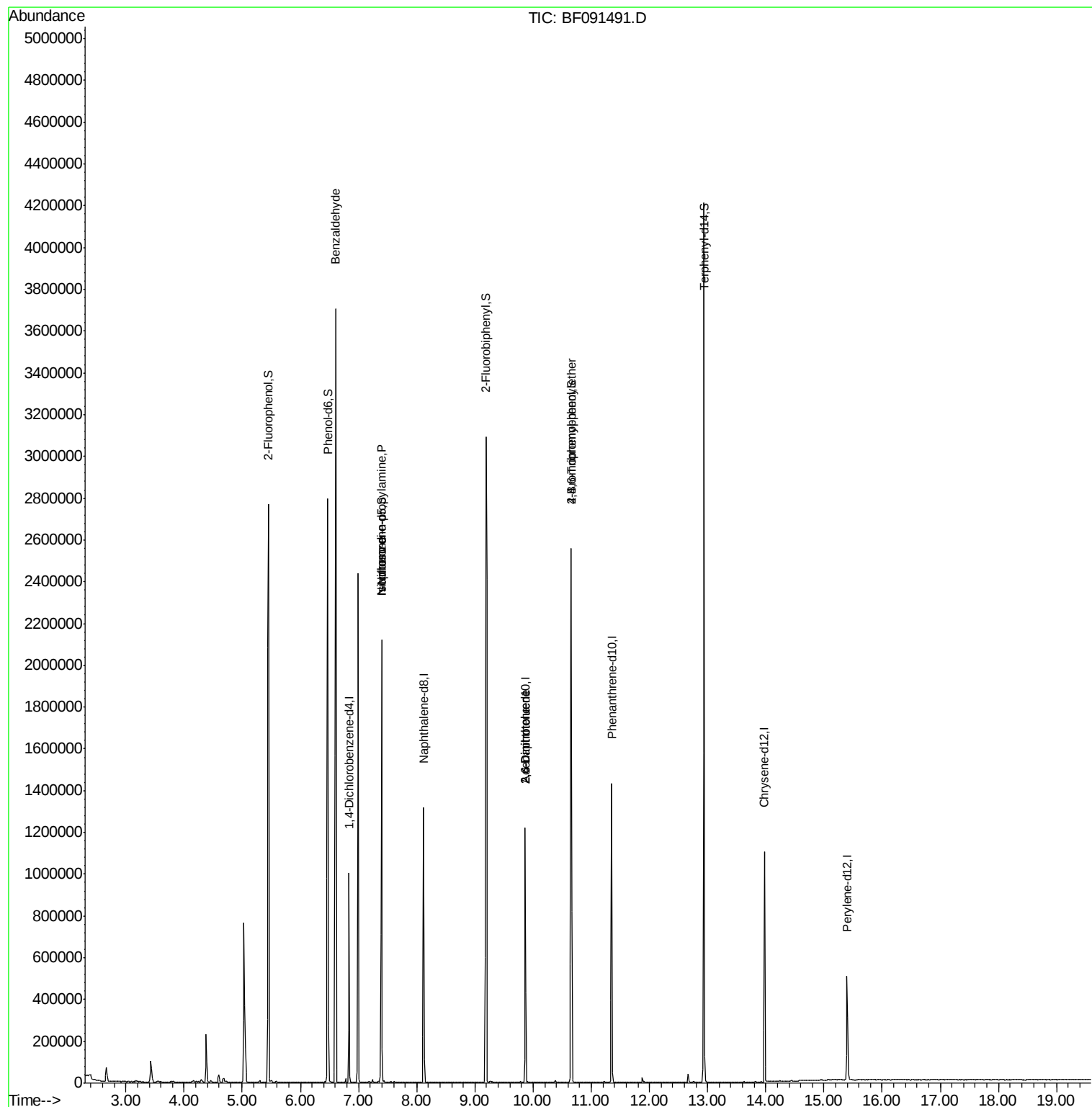
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	143980	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	543172	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	297700	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	545260	20.00	ng	0.00
75) Chrysene-d12	13.98	240	391025	20.00	ng	0.00
86) Perylene-d12	15.40	264	222865	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	925226	104.98	ng	0.02
7) Phenol-d6	6.47	99	894065	82.41	ng	0.00
23) Nitrobenzene-d5	7.40	82	668188	68.94	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	370912	131.61	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1486984	90.44	ng	-0.01
78) Terphenyl-d14	12.94	244	1426674	79.30	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.61	77	24979	3.58	ng	92
19) n-Nitroso-di-n-propylamine	7.40	70	91897	13.44	ng	# 73
25) Isophorone	7.40	82	505382	29.43	ng	# 67
50) 2,6-Dinitrotoluene	9.86	165	38059	9.45	ng	# 16
56) 2,4-Dinitrotoluene	9.86	165	38061	7.28	ng	# 33
66) 4-Bromophenyl-phenylether	10.65	248	21803	3.72	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Instrument :

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SOIL-CUTTINGS-SVP-19

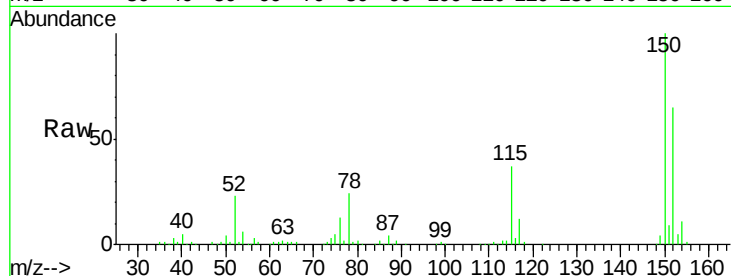
Tgt Ion:152 Resp: 143980

Ion Ratio Lower Upper

152 100

150 154.4 122.5 183.7

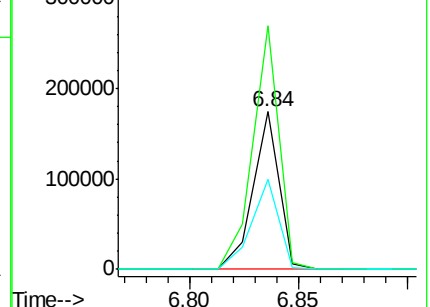
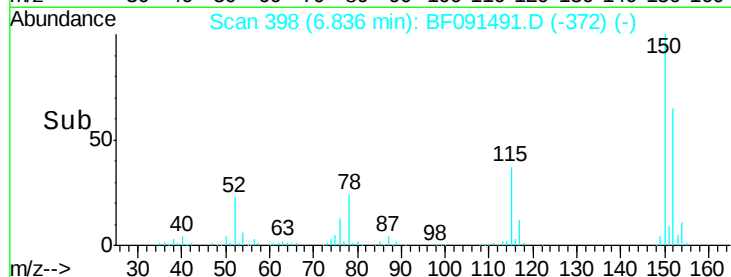
115 56.7 51.8 77.8



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: 104.98 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.02 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

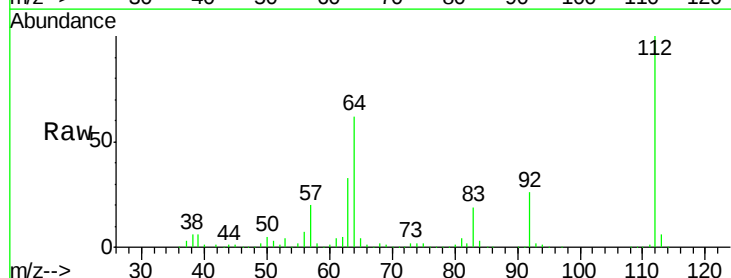
Tgt Ion:112 Resp: 925226

Ion Ratio Lower Upper

112 100

64 61.7 61.5 92.3

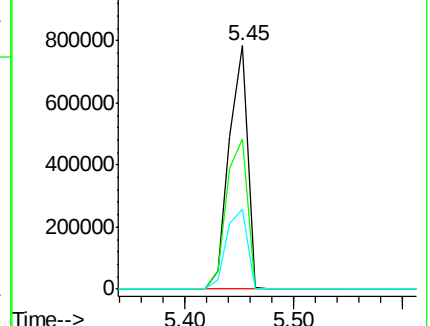
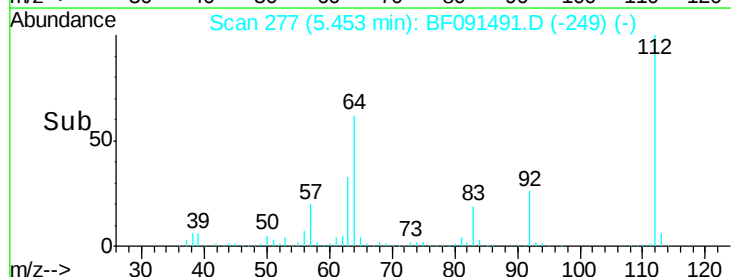
63 33.0 33.3 49.9#

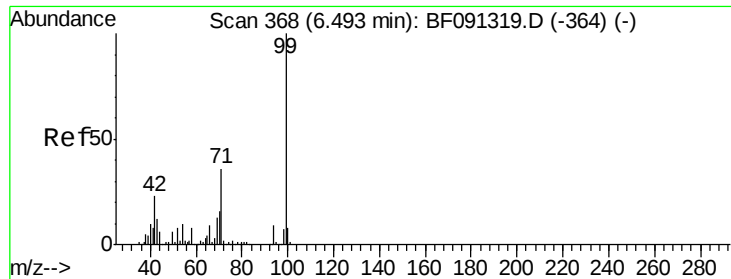


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.41 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Instrument :

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ClientSampleId :

SOIL-CUTTINGS-SVP-19

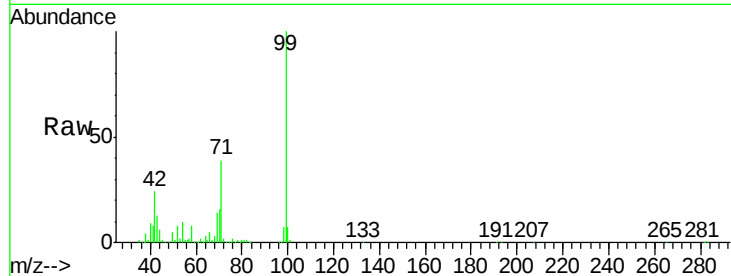
Tgt Ion: 99 Resp: 894065

Ion Ratio Lower Upper

99 100

42 23.7 20.6 31.0

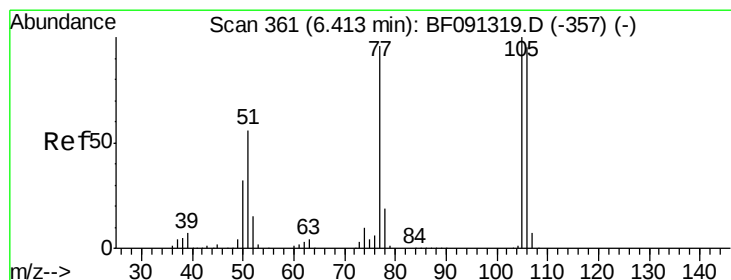
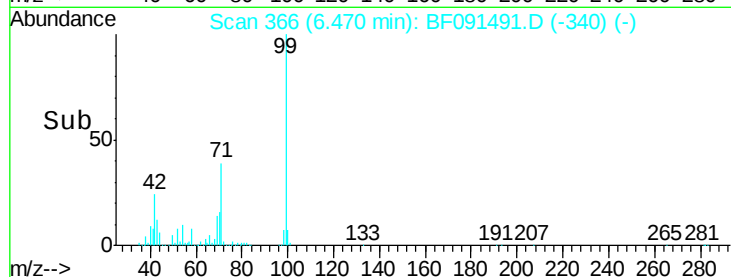
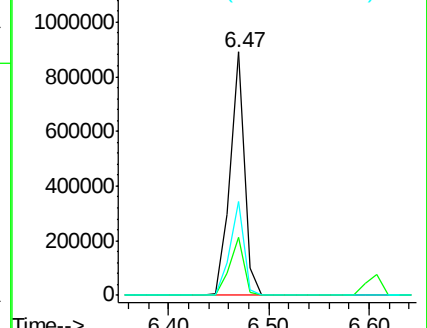
71 38.6 29.9 44.9



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: 3.58 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.23 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

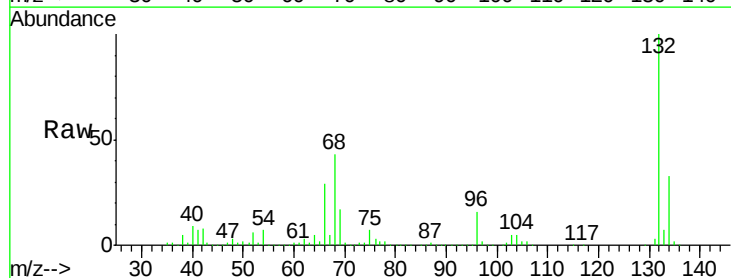
Tgt Ion: 77 Resp: 24979

Ion Ratio Lower Upper

77 100

105 81.9 66.4 106.4

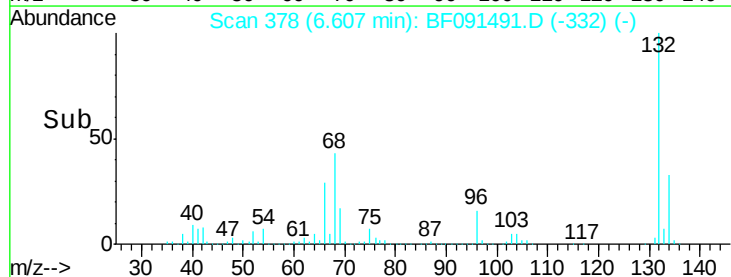
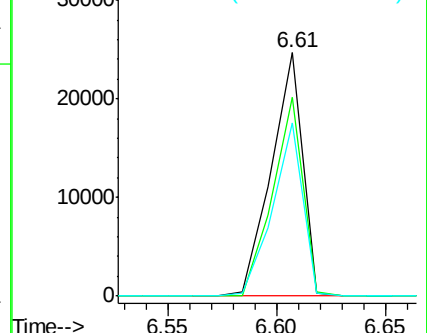
106 71.2 60.9 100.9

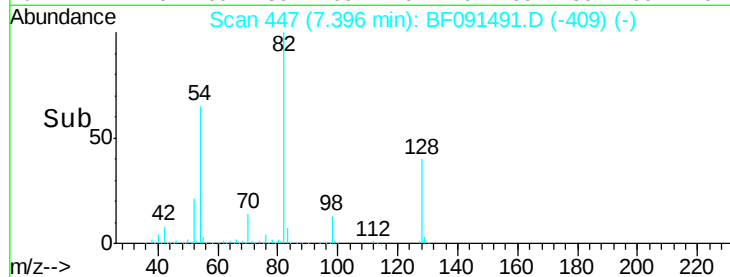
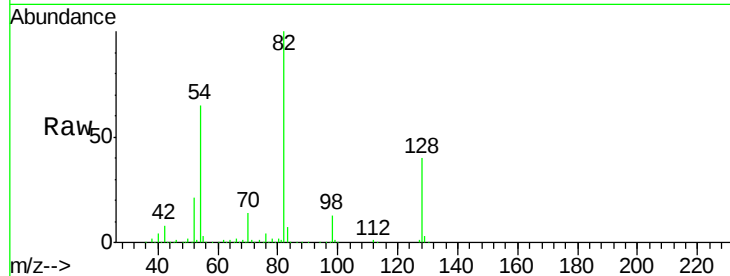
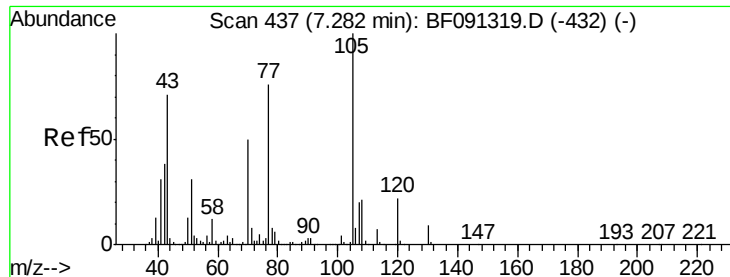


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

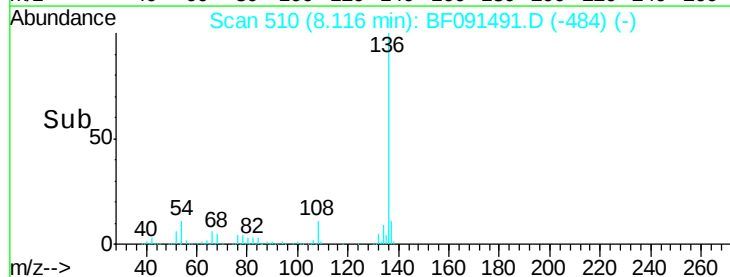
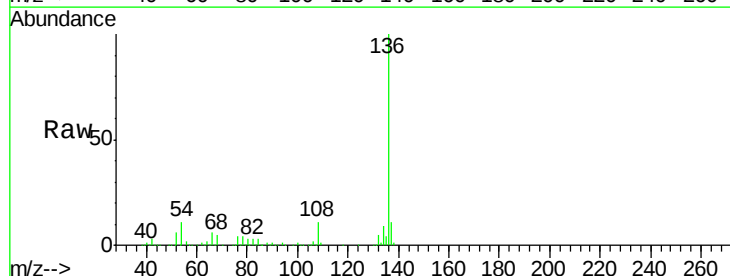
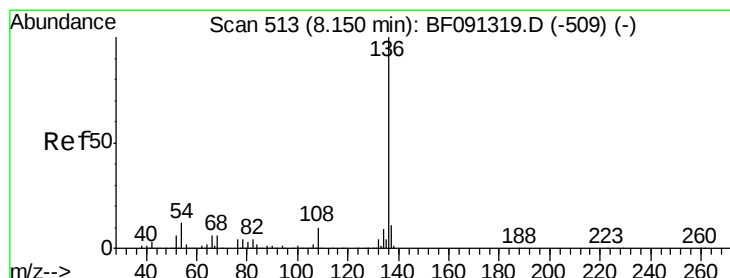
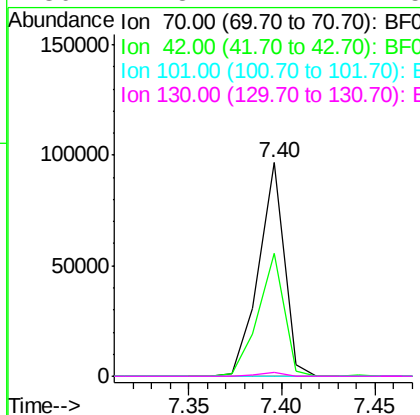




#19
n-Nitroso-di-n-propylamine
Concen: 13.44 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.14 min
Lab File: BF091491.D
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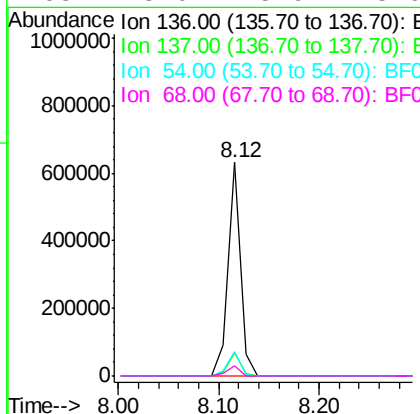
Instrument :
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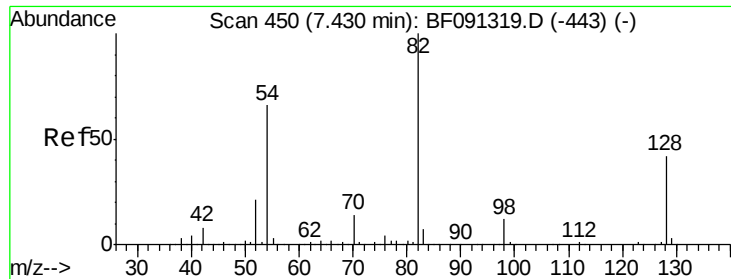
Tgt Ion: 70 Resp: 91897
Ion Ratio Lower Upper
70 100
42 57.4 64.8 97.2#
101 0.0 6.2 9.4#
130 1.8 11.7 17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 510
Delta R.T. -0.00 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Tgt Ion: 136 Resp: 543172
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 11.4 9.1 13.7
68 5.0 5.9 8.9#

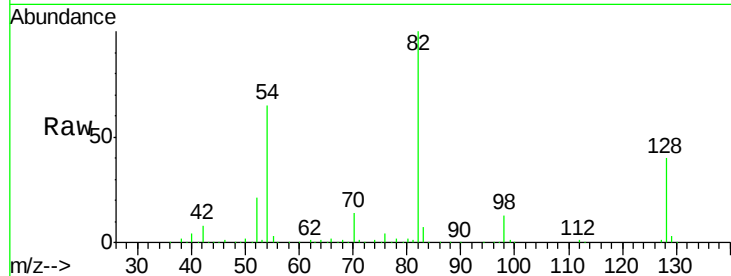




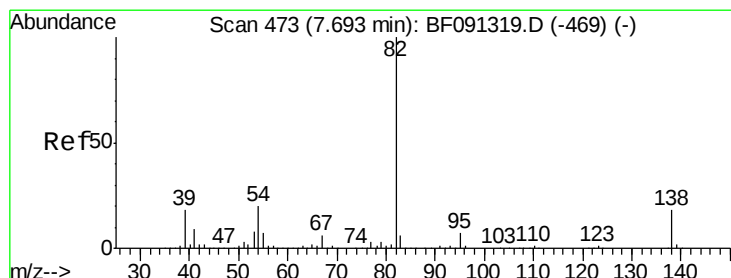
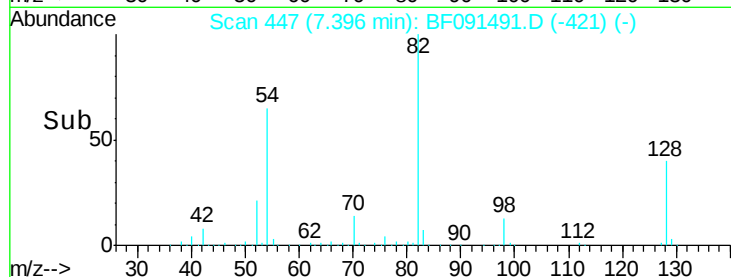
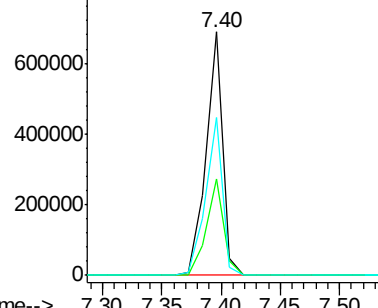
#23
Nitrobenzene-d5
Concen: 68.94 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-SVP-19

Tgt Ion: 82 Resp: 668188
Ion Ratio Lower Upper
82 100
128 39.8 31.8 47.6
54 64.7 49.1 73.7

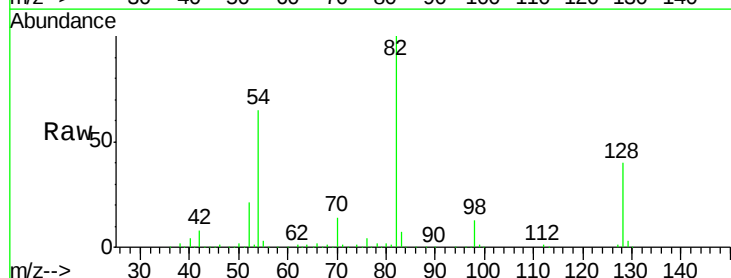


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

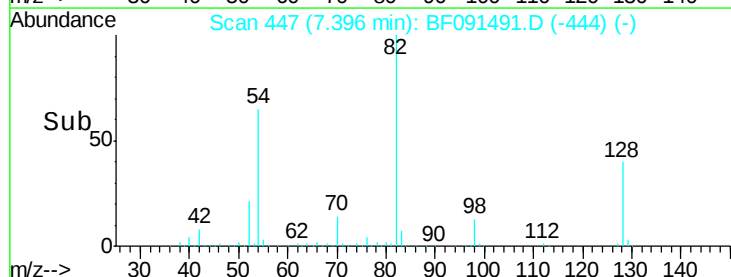
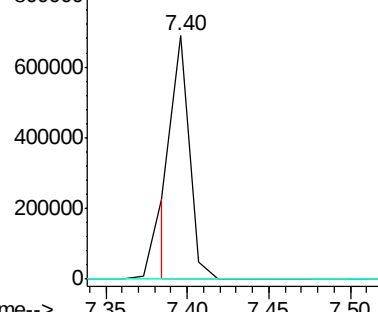


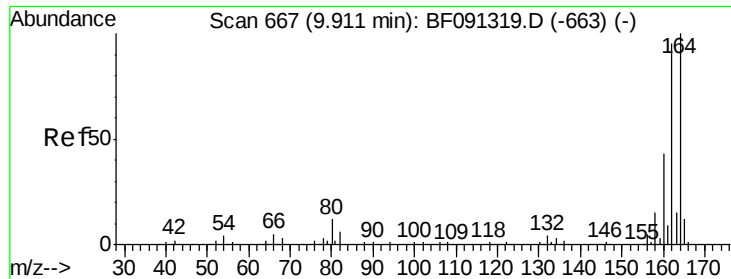
#25
Isophorone
Concen: 29.43 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.26 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Tgt Ion: 82 Resp: 505382
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

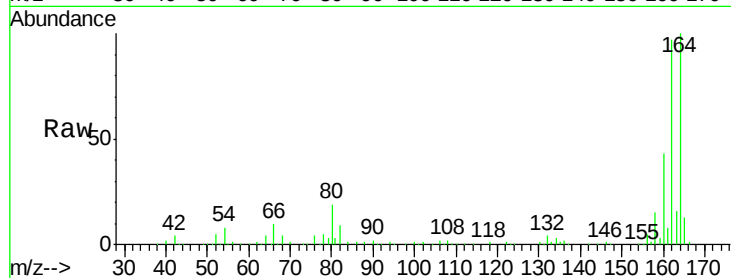




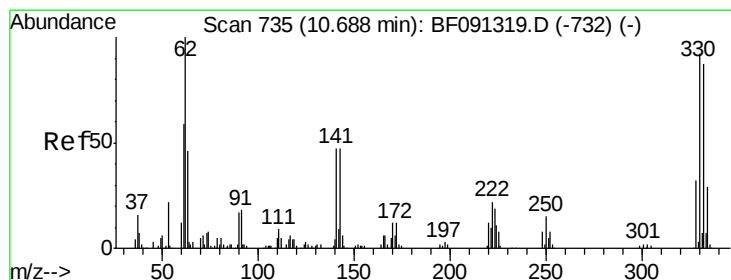
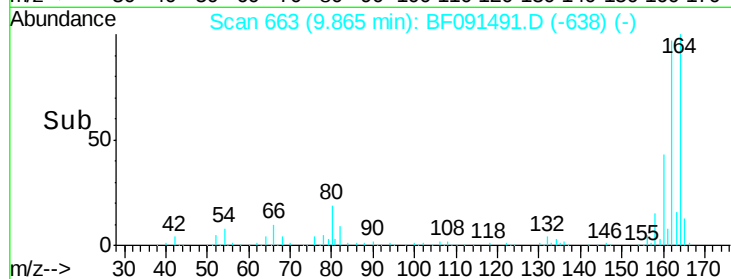
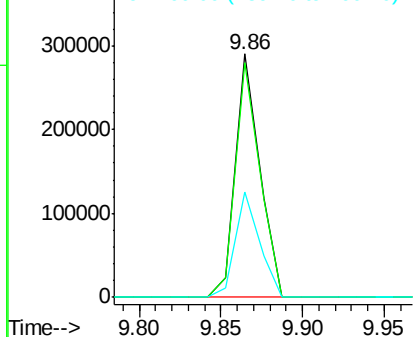
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

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Tgt Ion:164 Resp: 297700
 Ion Ratio Lower Upper
 164 100
 162 96.5 82.6 124.0
 160 43.1 36.7 55.1

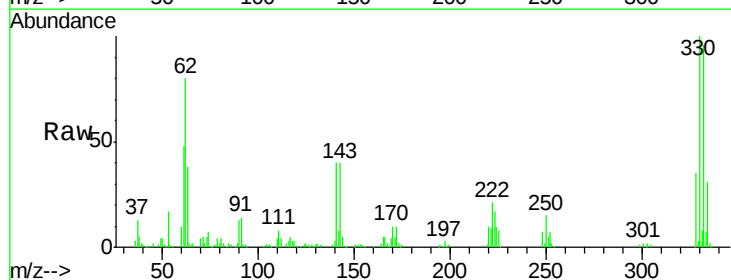


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

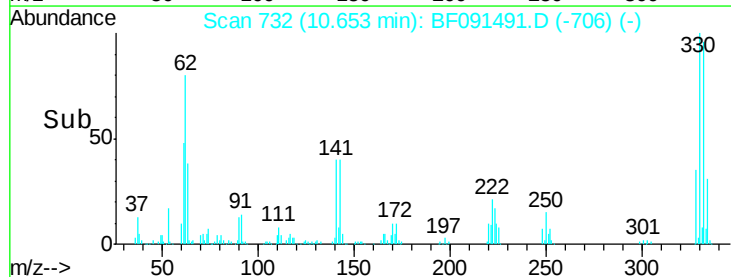
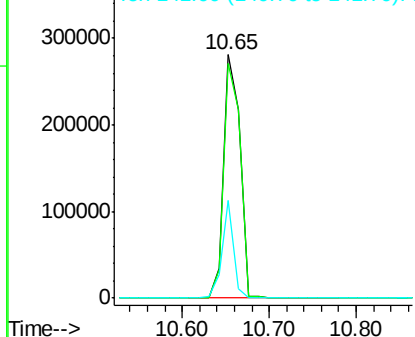


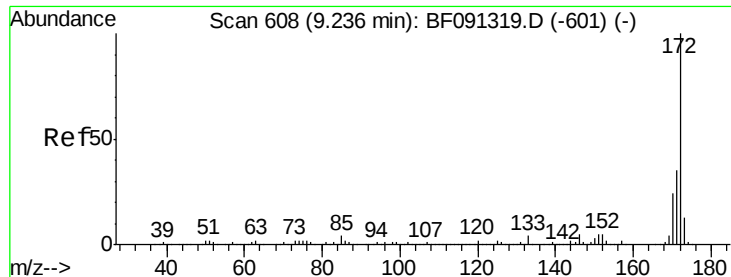
#41
 2,4,6-Tribromophenol
 Concen: 131.61 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Tgt Ion:330 Resp: 370912
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.2 114.4
 141 28.2 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

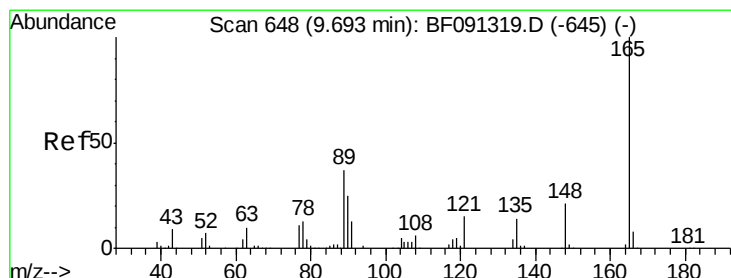
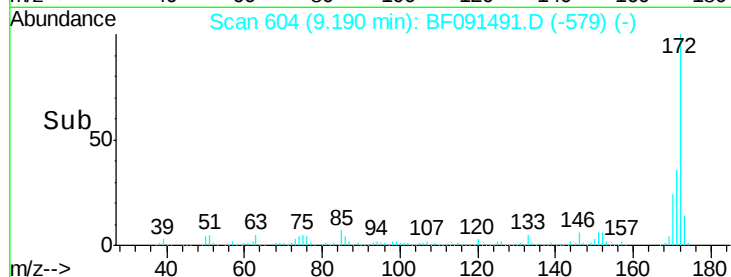
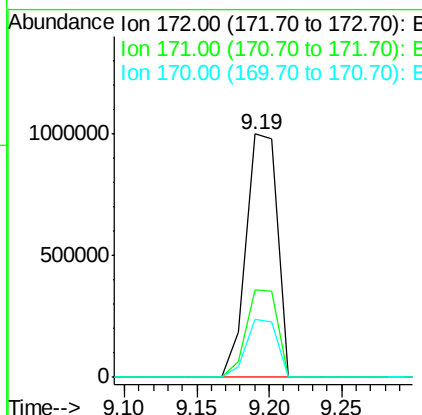
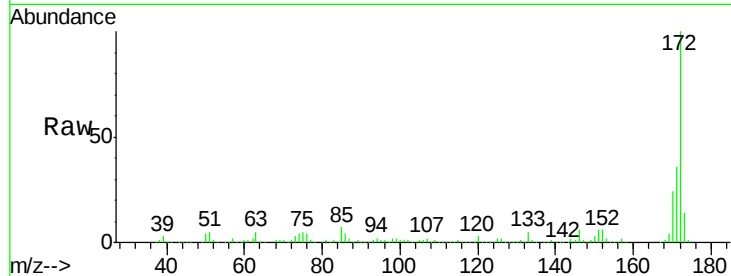




#44
 2-Fluorobiphenyl
 Concen: 90.44 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

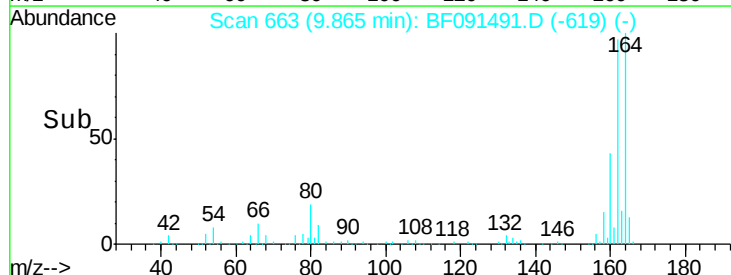
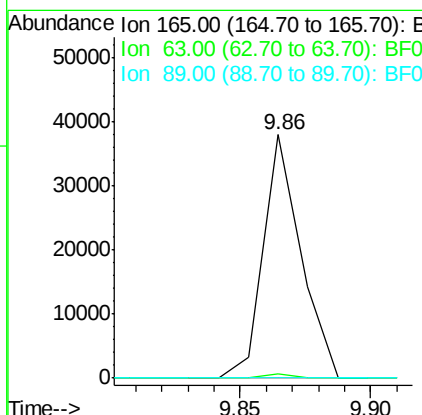
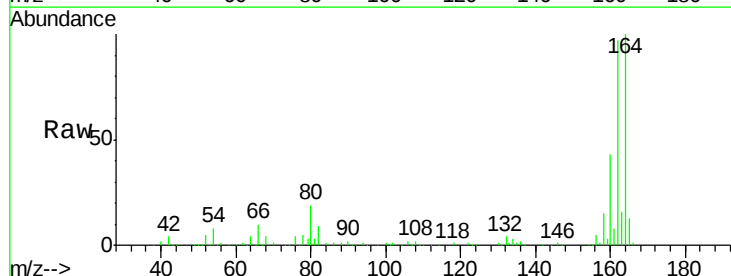
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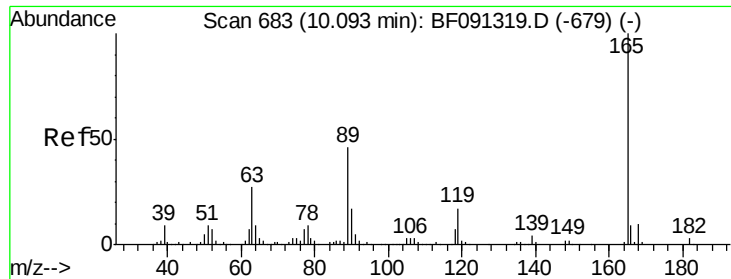
Tgt Ion:172 Resp: 1486984
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.7 19.7 29.5



#50
 2,6-Dinitrotoluene
 Concen: 9.45 ng
 RT: 9.86 min Scan# 663
 Delta R.T. 0.21 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Tgt Ion:165 Resp: 38059
 Ion Ratio Lower Upper
 165 100
 63 1.6 59.4 89.0#
 89 0.0 50.8 76.2#

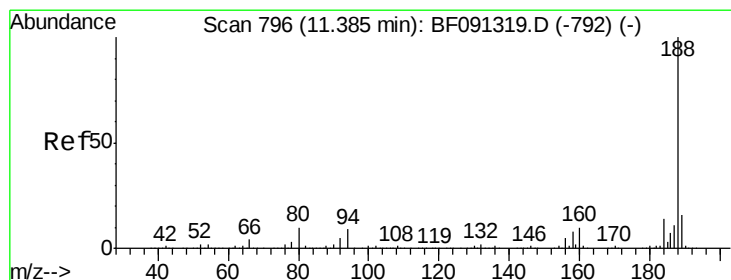
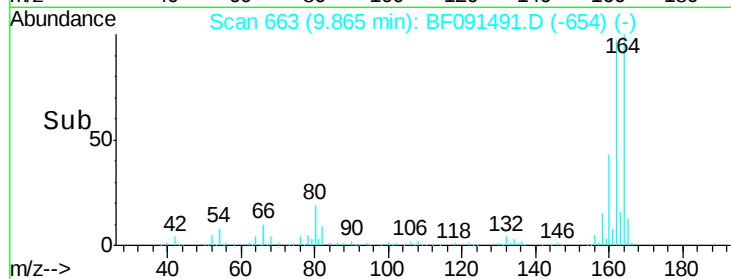
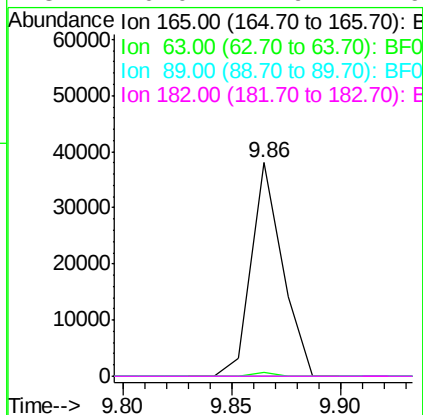
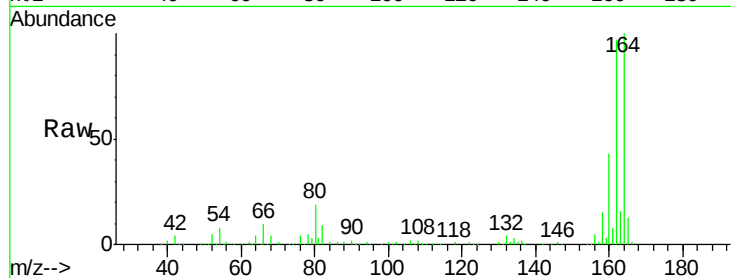




#56
 2,4-Dinitrotoluene
 Concen: 7.28 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.19 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

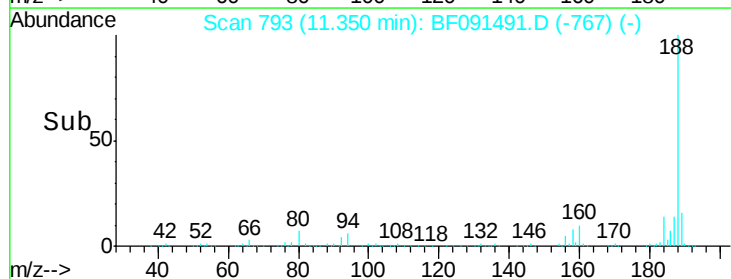
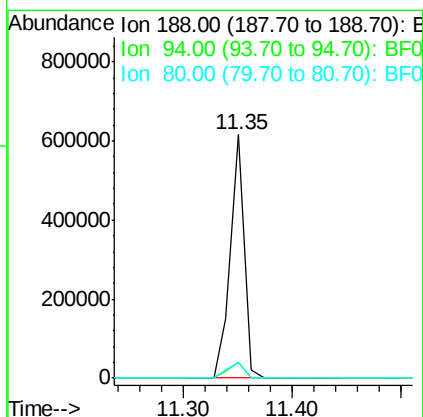
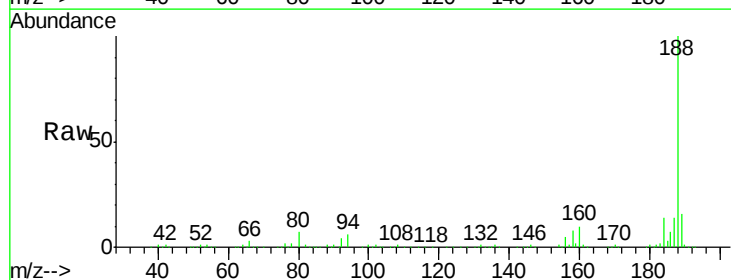
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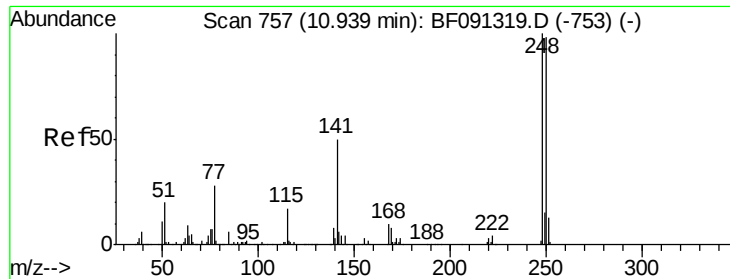
Tgt Ion:	165	Resp:	38061
Ion Ratio	Lower	Upper	
165	100		
63	1.6	29.0	43.4#
89	0.0	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Tgt Ion:	188	Resp:	545260
Ion Ratio	Lower	Upper	
188	100		
94	6.3	9.2	13.8#
80	6.7	10.5	15.7#

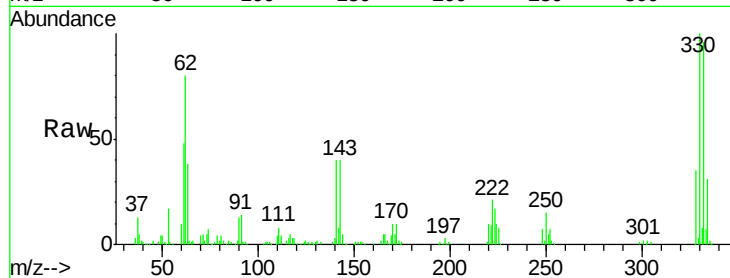




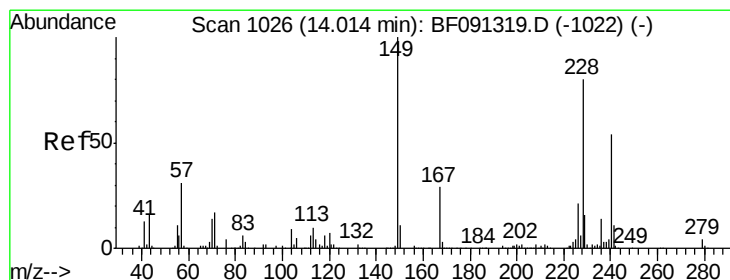
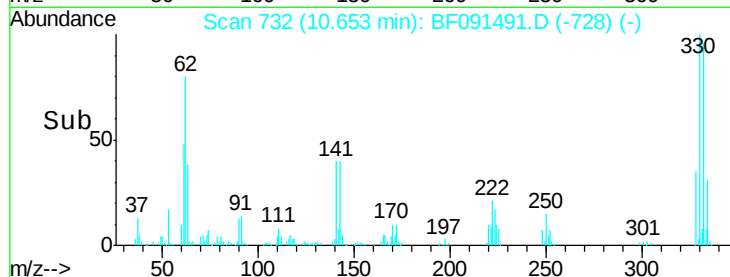
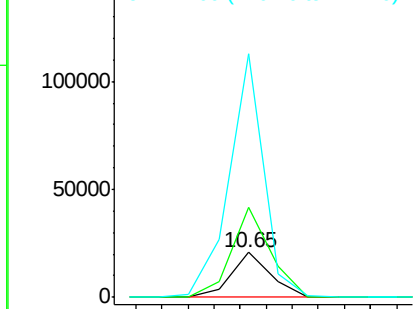
#66
4-Bromophenyl-phenylether
Concen: 3.72 ng
RT: 10.65 min Scan# 732
Delta R.T. -0.25 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-SVP-19

Tgt Ion:248 Resp: 21803
Ion Ratio Lower Upper
248 100
250 199.7 78.2 117.4#
141 541.3 71.9 107.9#

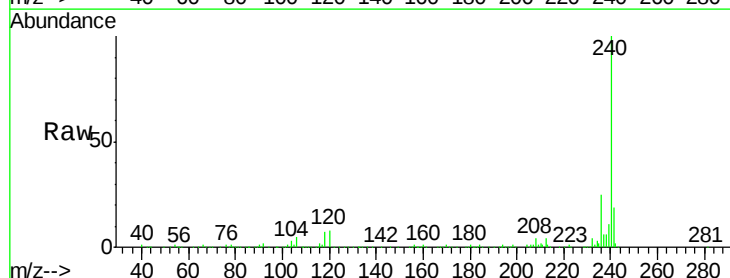


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

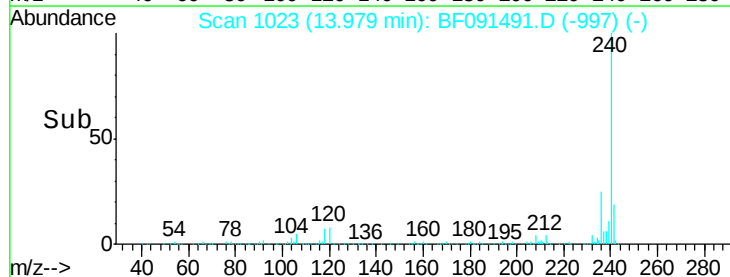
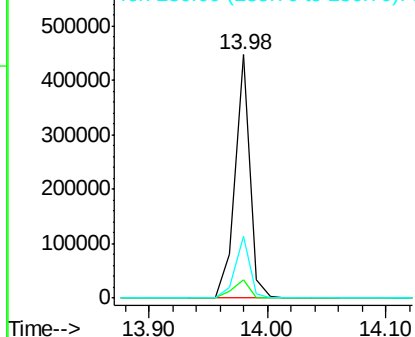


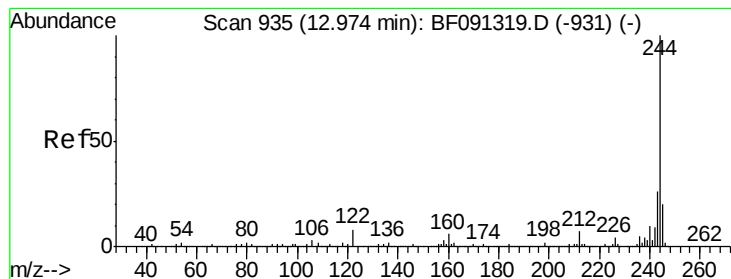
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Tgt Ion:240 Resp: 391025
Ion Ratio Lower Upper
240 100
120 7.6 12.1 18.1#
236 25.4 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: 79.30 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS-SVP-19

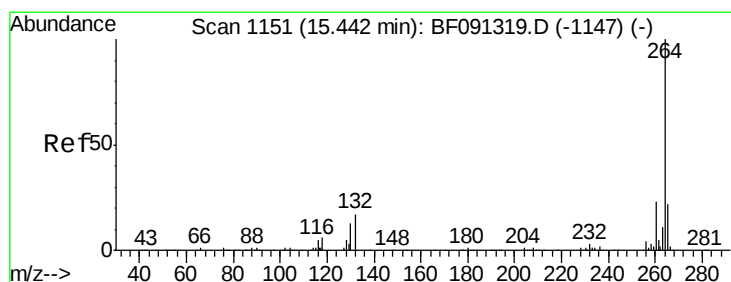
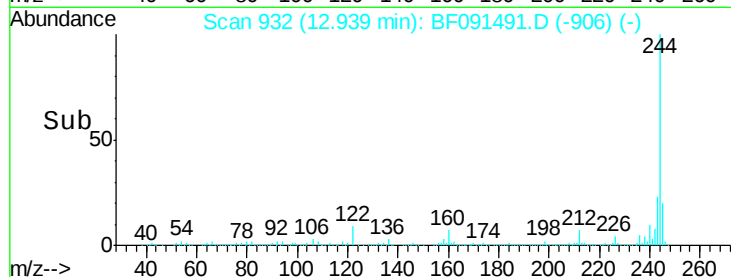
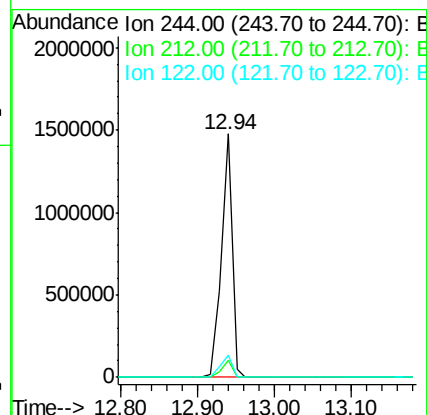
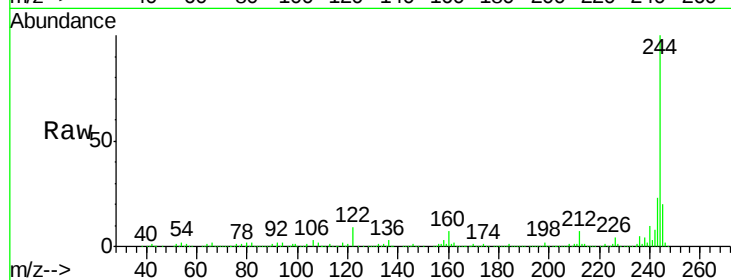
Tgt Ion:244 Resp: 1426674

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

122 9.4 9.5 14.3#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Tgt Ion:264 Resp: 222865

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 20.6 17.0 25.6

