

Data File : BF093083.D
Acq On : 22 Feb 2017 18:52
Operator : SJ/MA
Sample : I1929-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRIT-STOCKPILE

Quant Time: Feb 22 23:57:30 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	153815	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	565714	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	277224	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	548809	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	463904	20.00	ng	-0.03
86) Perylene-d12	15.41	264	345666	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1125772	125.57	ng	0.00
7) Phenol-d6	6.49	99	1439727	124.81	ng	0.00
23) Nitrobenzene-d5	7.41	82	1027677	101.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	338830	168.99	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1590624	103.95	ng	-0.02
78) Terphenyl-d14	12.95	244	1607435	81.42	ng	-0.02

Target Compounds						Qvalue
17) 2-Methylphenol	7.26	107	20397	2.40	ng	# 67
19) n-Nitroso-di-n-propylamine	7.41	70	135705	18.48	ng	# 78
20) 3+4-Methylphenols	7.26	107	20397	2.01	ng	# 65
25) Isophorone	7.41	82	1008386	53.27	ng	# 65
32) Benzoic acid	7.88	122	1345	7.40	ng	# 54
50) 2,6-Dinitrotoluene	9.87	165	35510	8.81	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	35510	6.61	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	461	2.80	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	22702	3.96	ng	# 1

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

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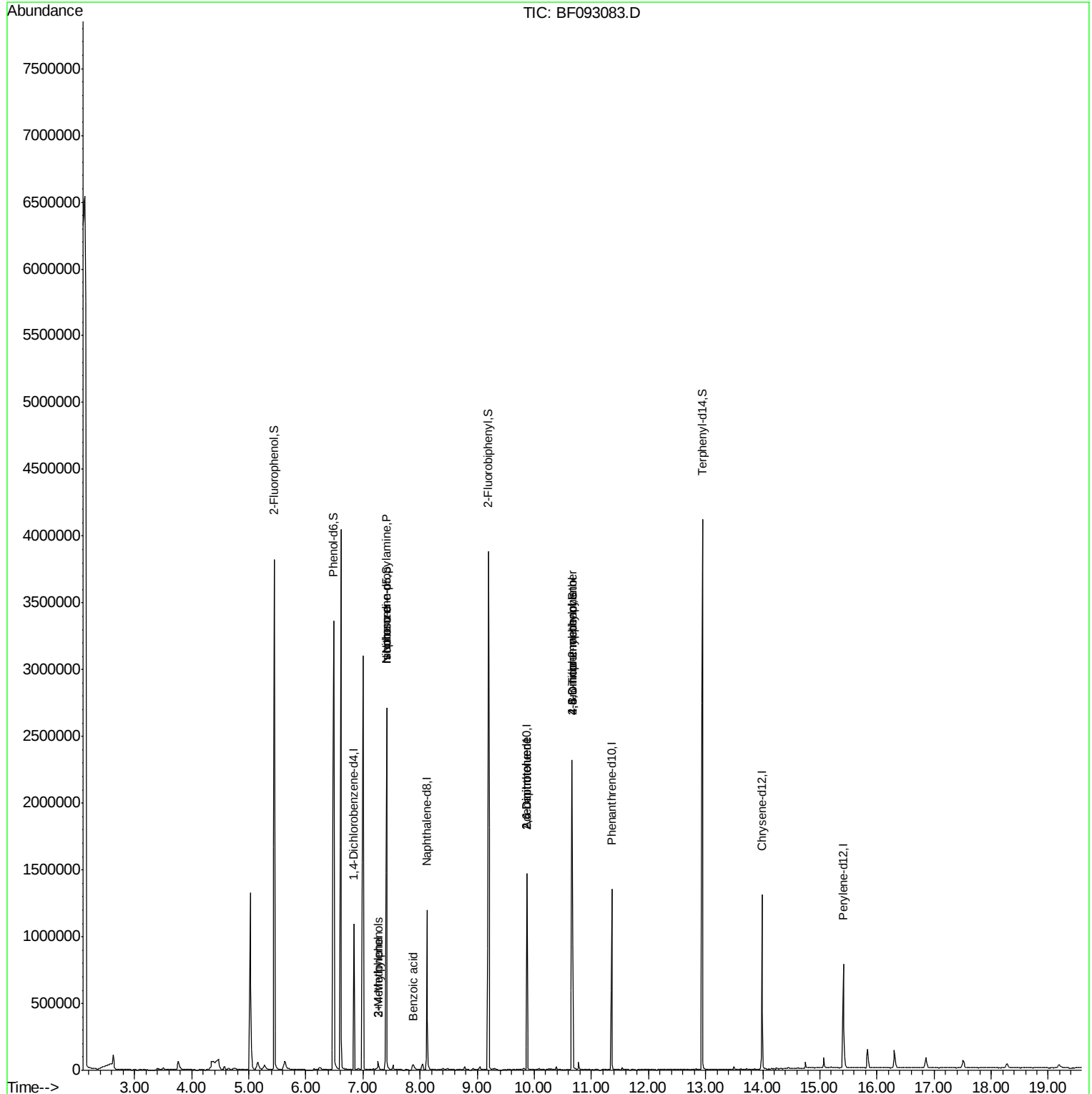
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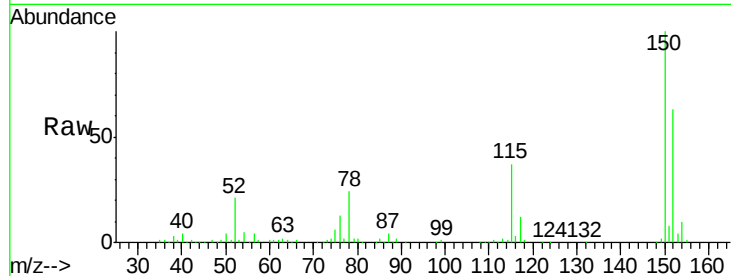


#1

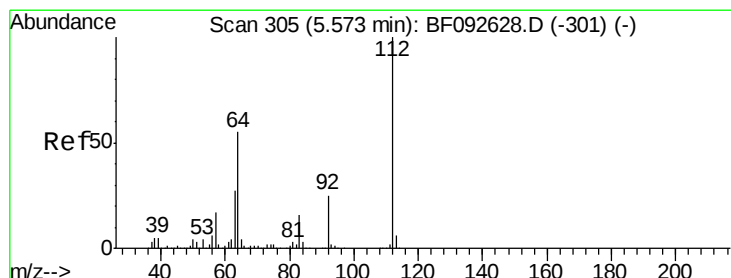
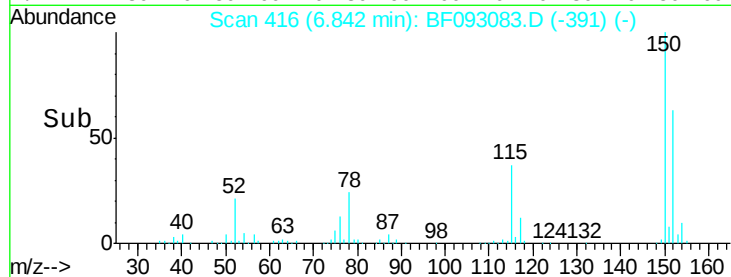
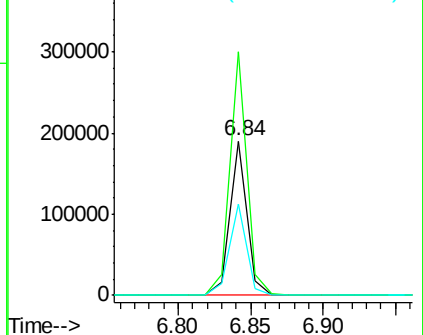
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

Instrument :
BNA_F
ClientSampleId :
GRIT-STOCKPILE

Tgt Ion:152 Resp: 153815
Ion Ratio Lower Upper
152 100
150 158.1 124.9 187.3
115 59.2 46.0 69.0



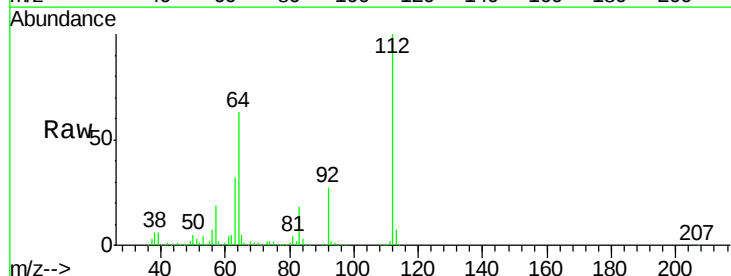
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



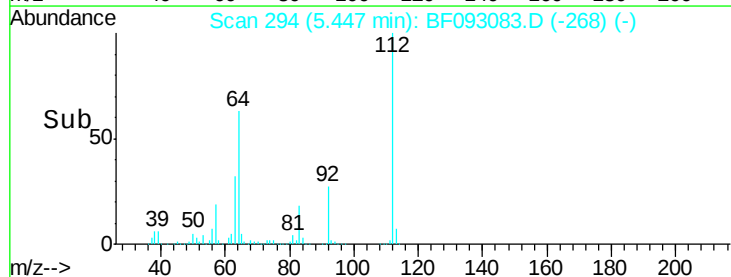
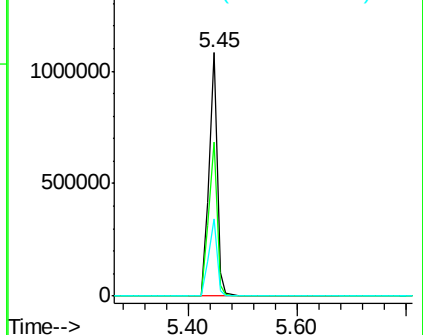
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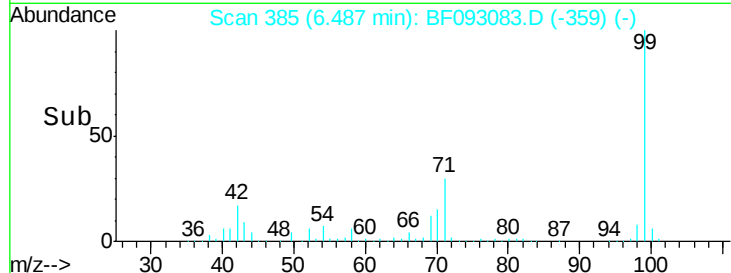
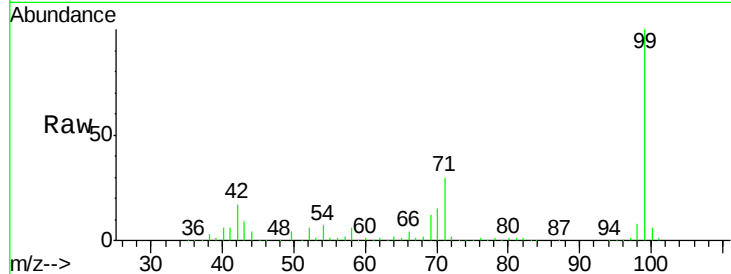
2-Fluorophenol
Concen: 125.57 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

Tgt Ion:112 Resp: 1125772
Ion Ratio Lower Upper
112 100
64 63.2 46.1 69.1
63 31.6 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: 124.81 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093083.D

Acq: 22 Feb 2017 18:52

Instrument :

BNA_F

ClientSampleId :

GRIT-STOCKPILE

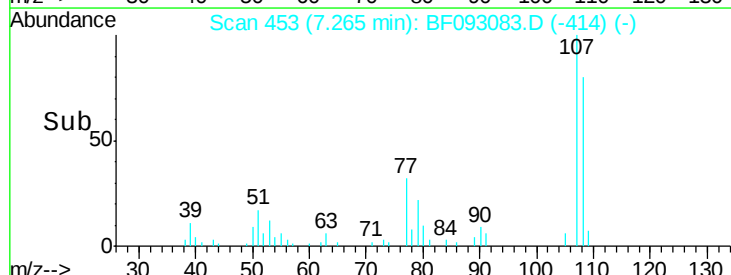
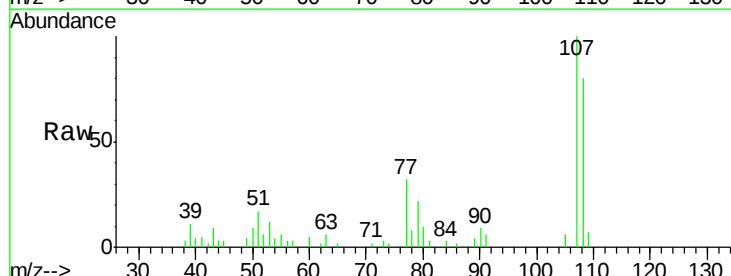
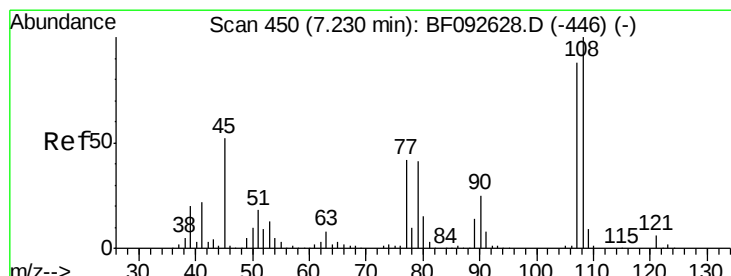
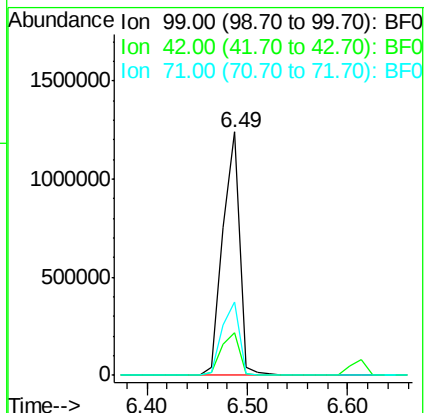
Tgt Ion: 99 Resp: 1439727

Ion Ratio Lower Upper

99 100

42 17.3 15.6 23.4

71 30.2 27.5 41.3



#17

2-Methylphenol

Concen: 2.40 ng

RT: 7.26 min Scan# 453

Delta R.T. 0.15 min

Lab File: BF093083.D

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Tgt Ion: 107 Resp: 20397

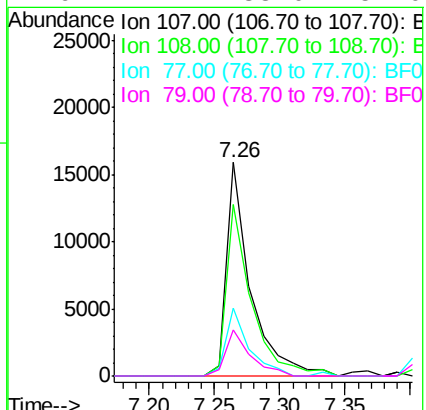
Ion Ratio Lower Upper

107 100

108 80.5 93.0 139.6#

77 31.9 39.8 59.8#

79 21.7 38.0 57.0#

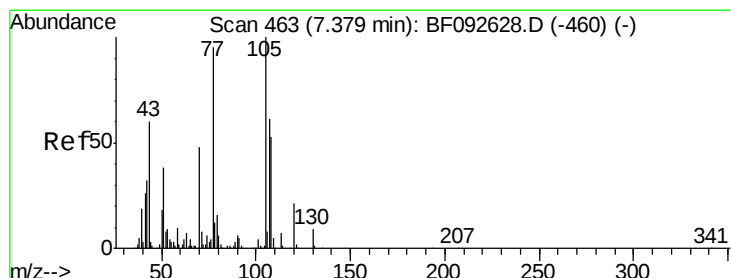
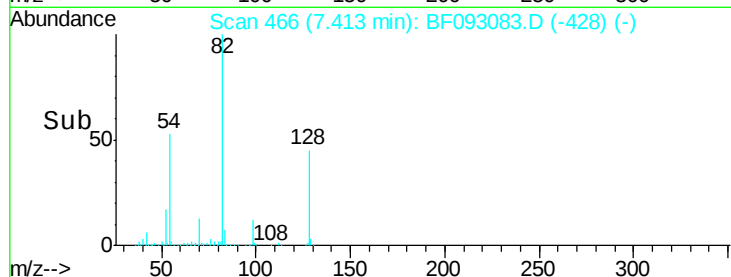
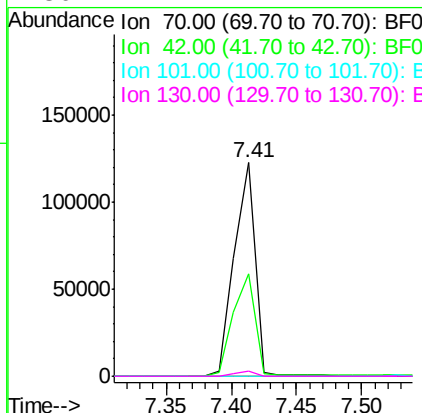
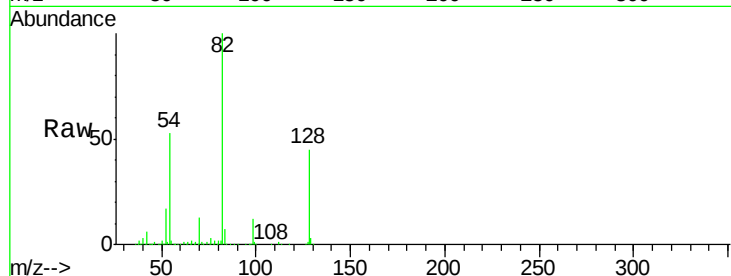




#19
n-Nitroso-di-n-propylamine
Concen: 18.48 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

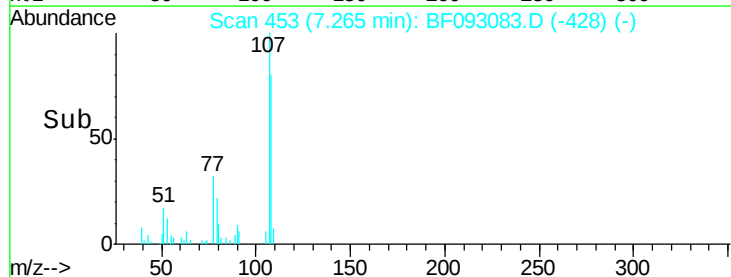
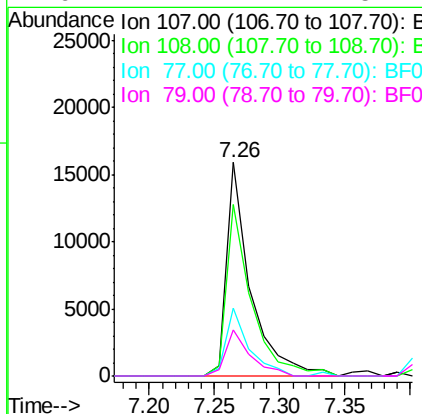
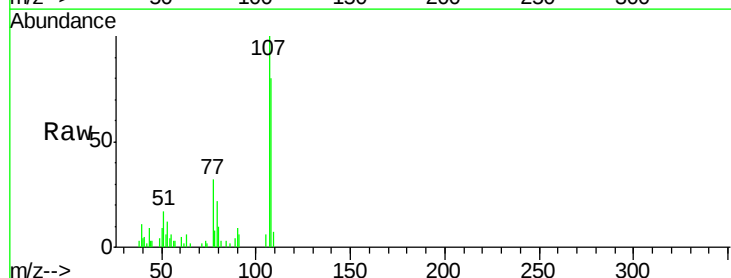
Instrument :
BNA_F
ClientSampleId :
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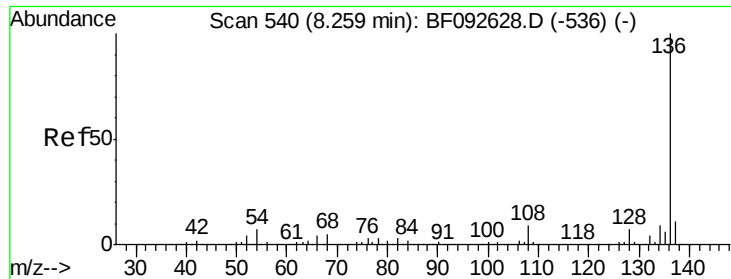
Tgt Ion:	70	Resp:	135705
Ion	Ratio	Lower	Upper
70	100		
42	48.0	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#



#20
3+4-Methylphenols
Concen: 2.01 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093083.D
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Tgt Ion:	107	Resp:	20397
Ion	Ratio	Lower	Upper
107	100		
108	80.5	73.0	113.0
77	31.9	71.3	111.3#
79	21.7	11.1	51.1

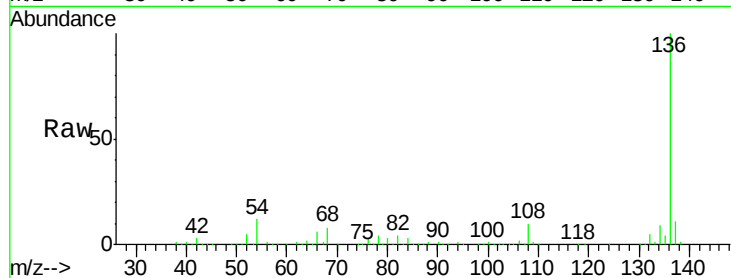




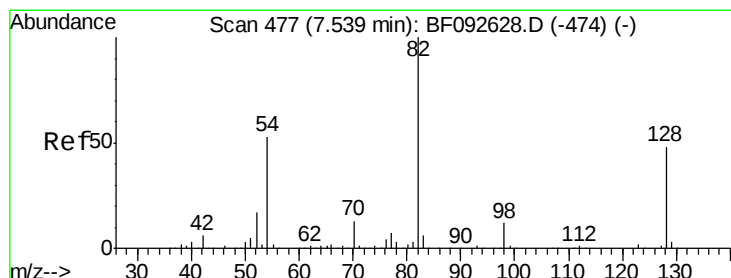
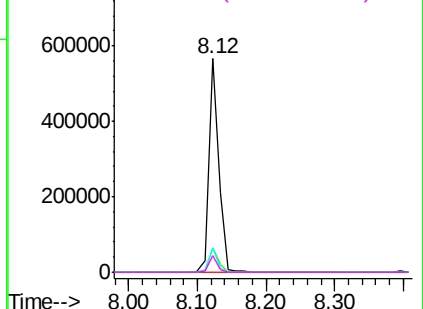
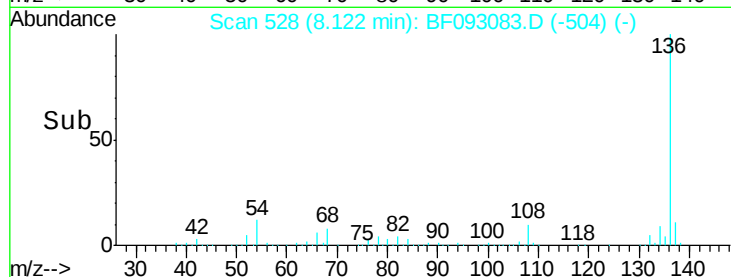
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

Instrument :
BNA_F
ClientSampleId :
GRIT-STOCKPILE

Tgt Ion:	136	Resp:	565714
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	11.6	4.5	6.7#
68	7.7	3.6	5.4#

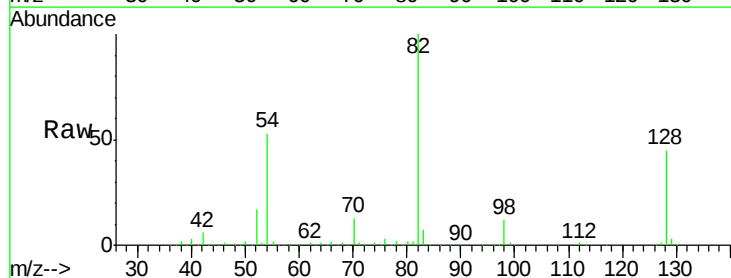


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

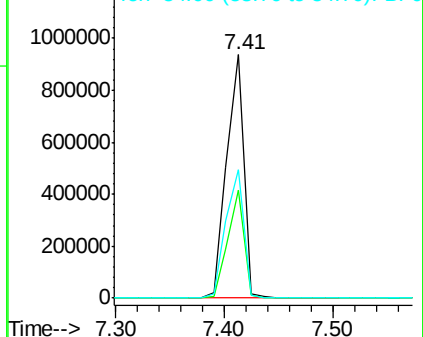
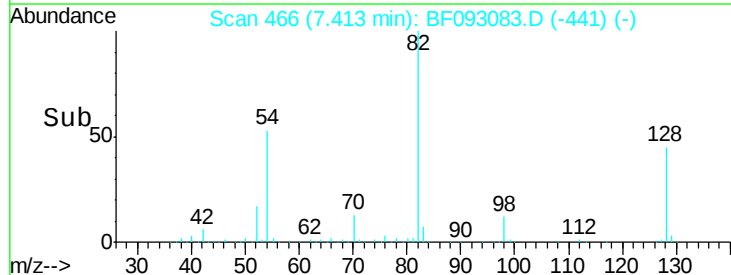


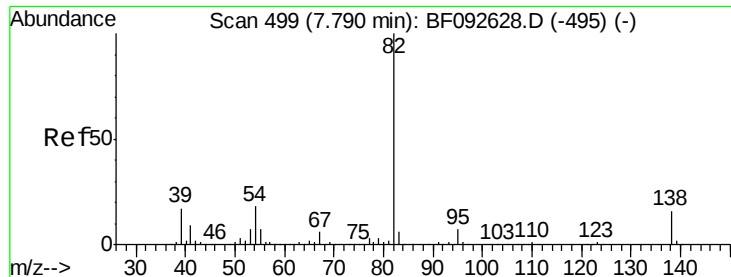
#23
Nitrobenzene-d5
Concen: 101.16 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

Tgt Ion:	82	Resp:	1027677
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.6	52.0
54	52.7	39.5	59.3



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

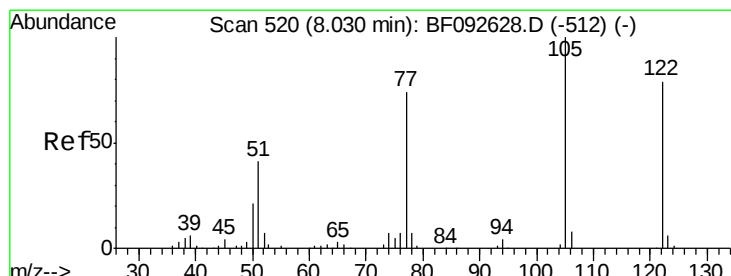
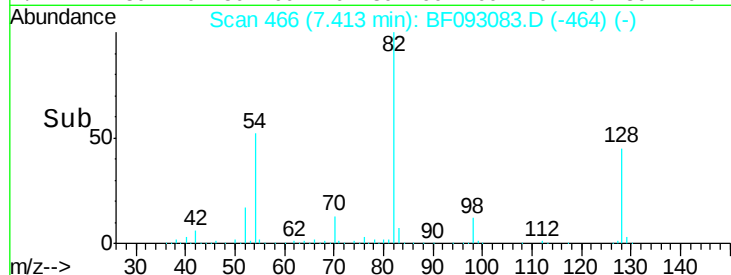
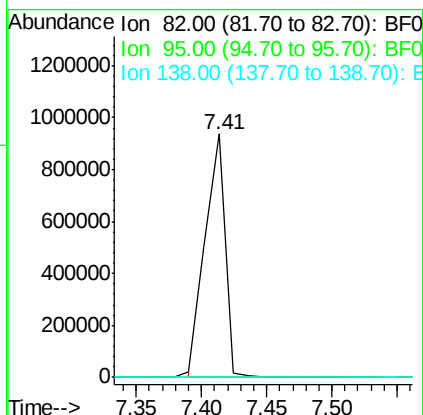
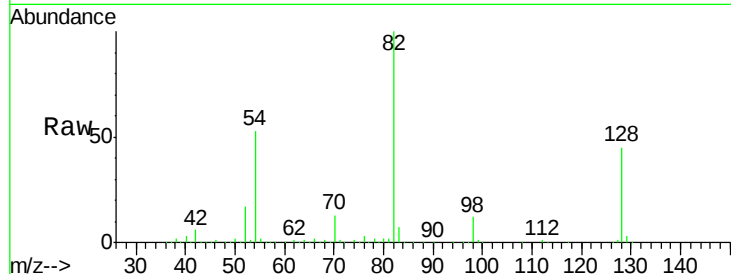




#25
Isophorone
Concen: 53.27 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.27 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

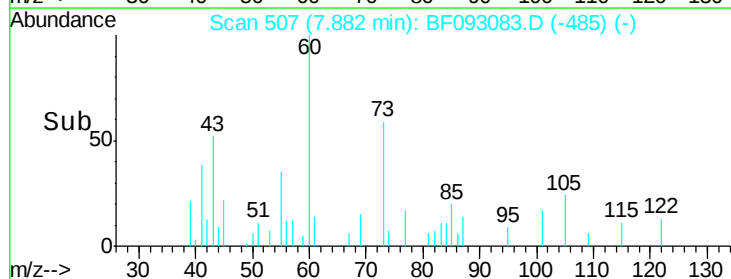
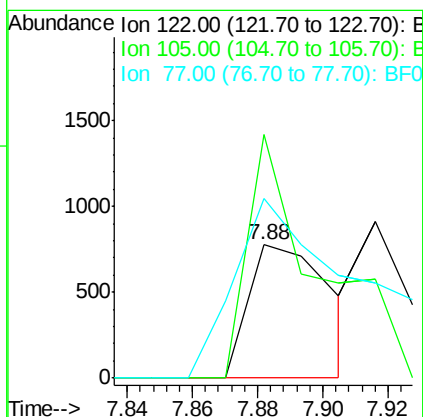
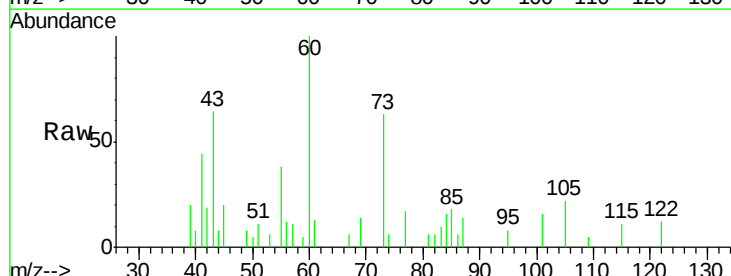
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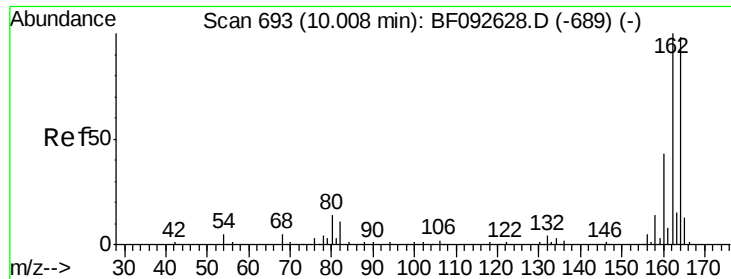
Tgt Ion: 82 Resp: 1008386
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.40 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

Tgt Ion: 122 Resp: 1345
Ion Ratio Lower Upper
122 100
105 183.1 107.2 147.2#
77 134.7 74.5 114.5#

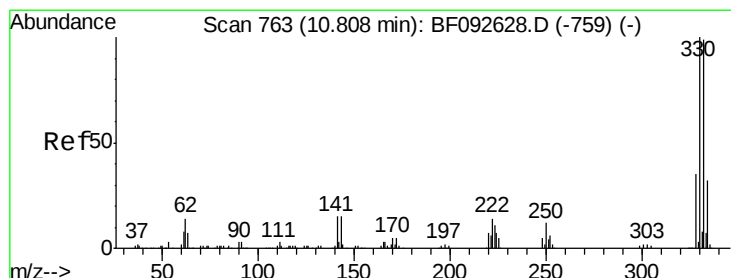
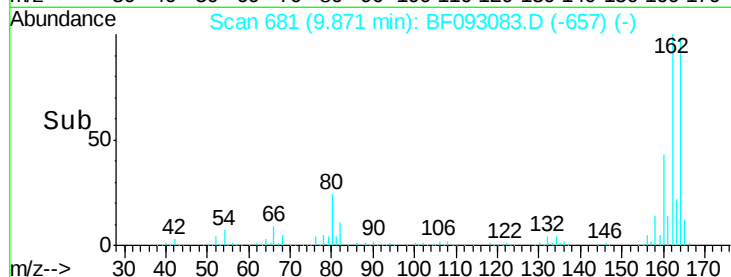
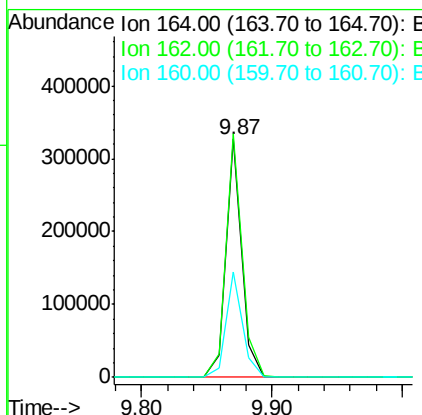
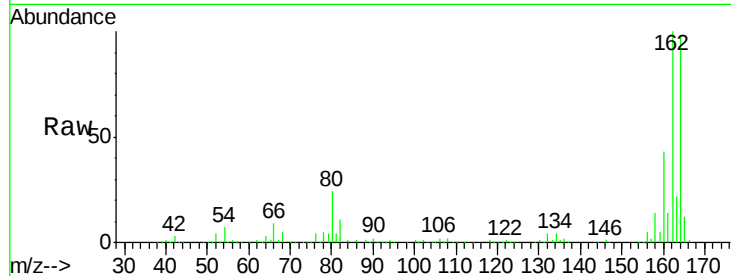




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.02 min
 Lab File: BF093083.D
 Acq: 22 Feb 2017 18:52

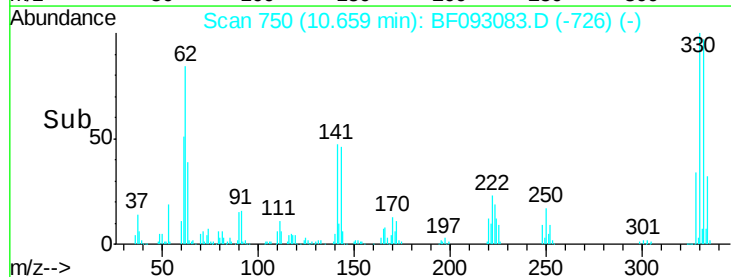
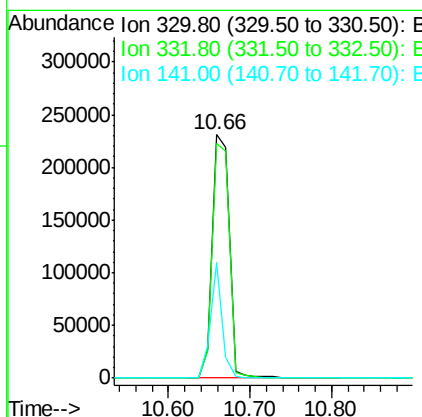
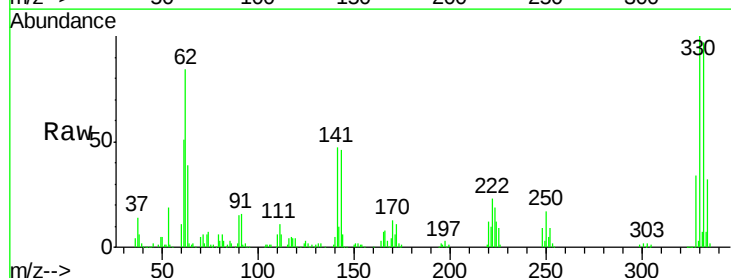
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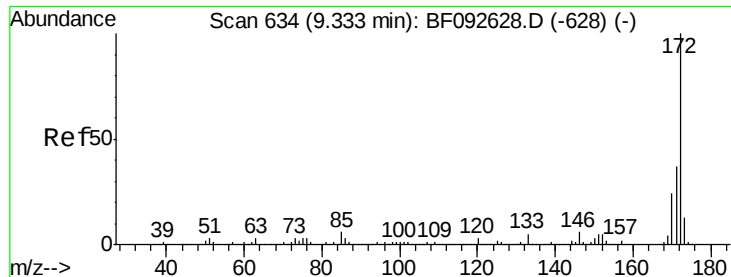
Tgt Ion:164 Resp: 277224
 Ion Ratio Lower Upper
 164 100
 162 102.3 80.2 120.2
 160 44.3 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 168.99 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093083.D
 Acq: 22 Feb 2017 18:52

Tgt Ion:330 Resp: 338830
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 33.3 34.1 51.1#

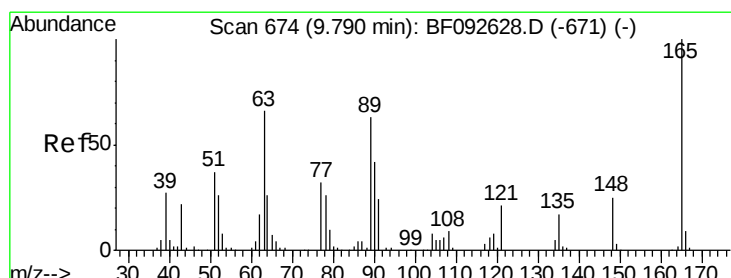
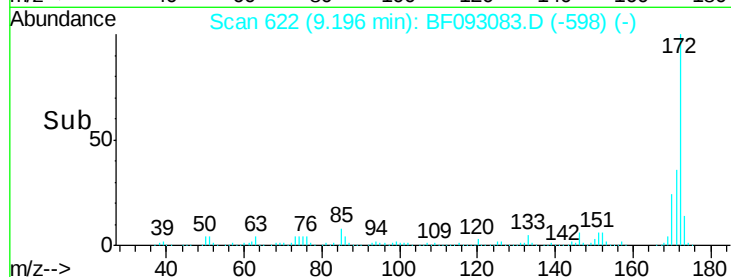
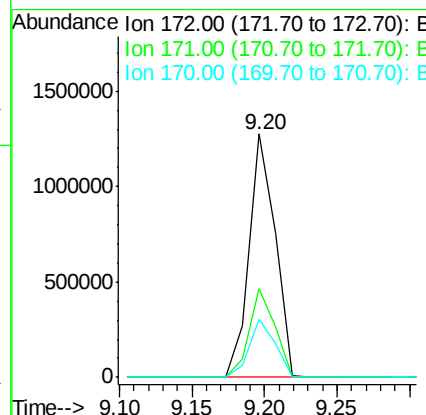
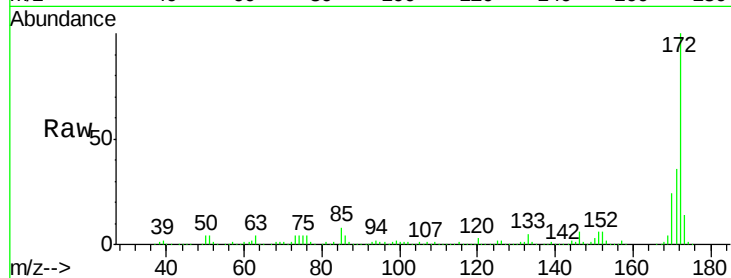




#44
 2-Fluorobiphenyl
 Concen: 103.95 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093083.D
 Acq: 22 Feb 2017 18:52

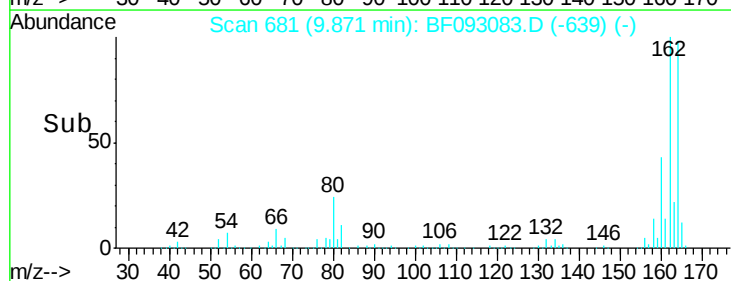
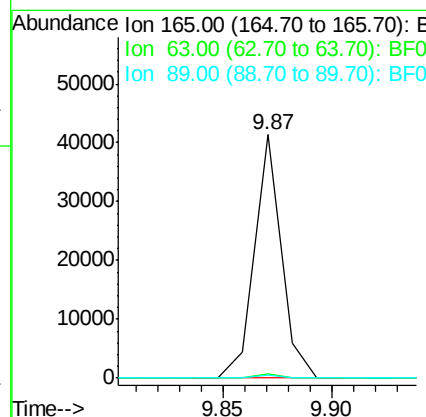
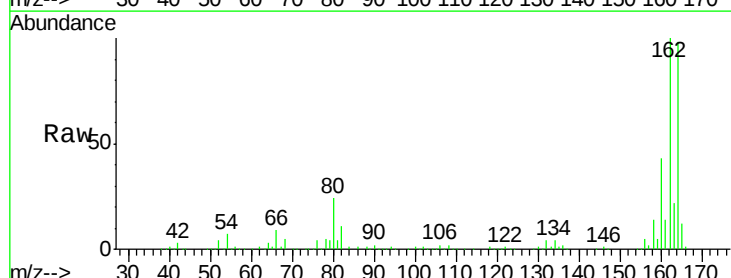
Instrument :
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 GRIT-STOCKPILE

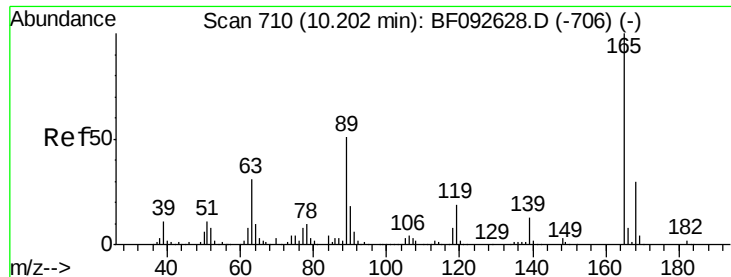
Tgt Ion:172 Resp: 1590624
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.0 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.81 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093083.D
 Acq: 22 Feb 2017 18:52

Tgt Ion:165 Resp: 35510
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.2 54.4#
 89 1.3 40.2 60.4#

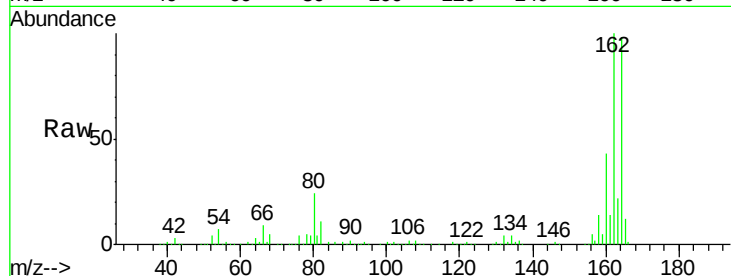




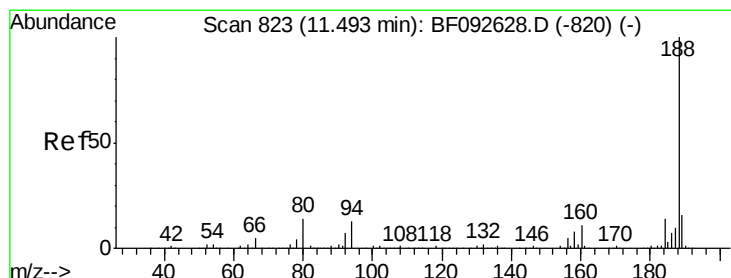
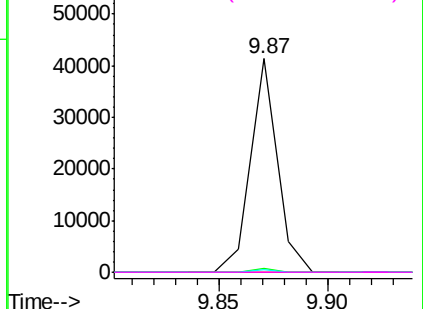
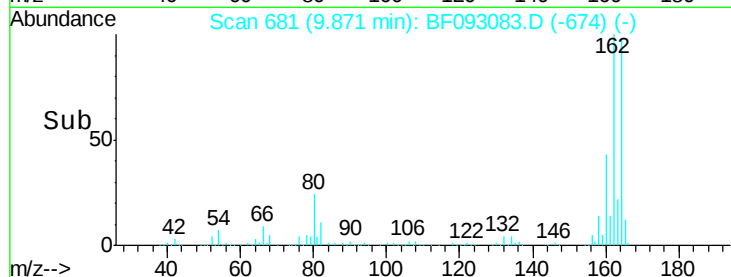
#56
 2,4-Dinitrotoluene
 Concen: 6.61 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093083.D
 Acq: 22 Feb 2017 18:52

Instrument :
 BNA_F
 ClientSampleId :
 GRIT-STOCKPILE

Tgt Ion:165 Resp: 35510
 Ion Ratio Lower Upper
 165 100
 63 1.8 40.2 60.4#
 89 1.3 62.5 93.7#
 182 0.0 1.8 2.8#

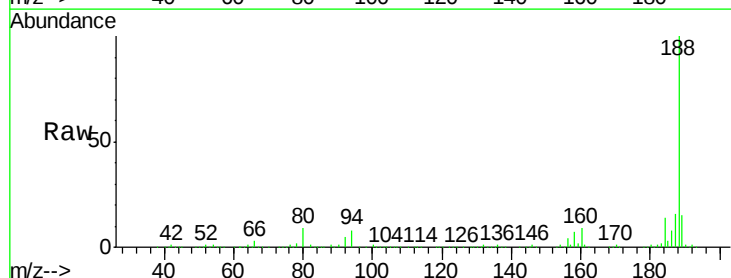


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

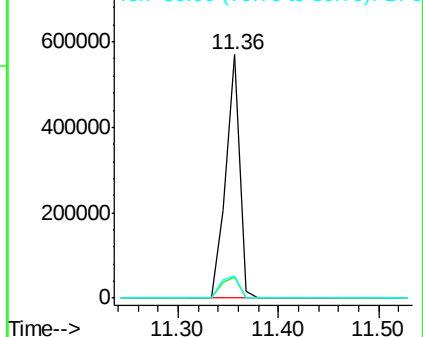
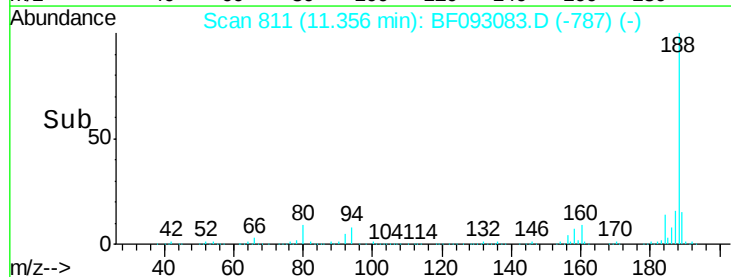


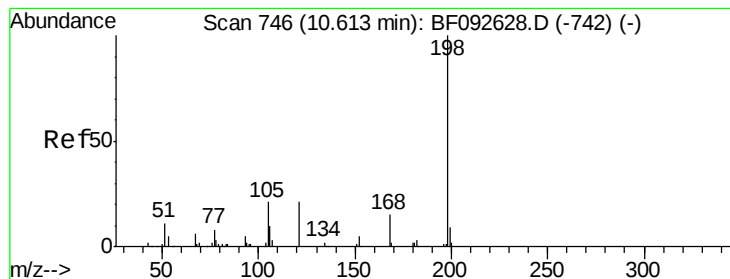
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093083.D
 Acq: 22 Feb 2017 18:52

Tgt Ion:188 Resp: 548809
 Ion Ratio Lower Upper
 188 100
 94 8.4 10.0 15.0#
 80 8.9 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: 2.80 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.16 min

Lab File: BF093083.D

Acq: 22 Feb 2017 18:52

Instrument :

BNA_F

ClientSampleId :

GRIT-STOCKPILE

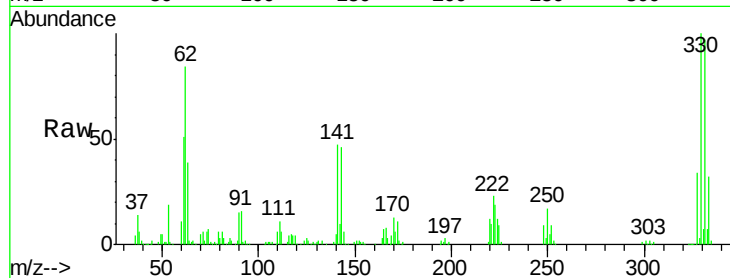
Tgt Ion:198 Resp: 461

Ion Ratio Lower Upper

198 100

51 201.5 6.7 46.7#

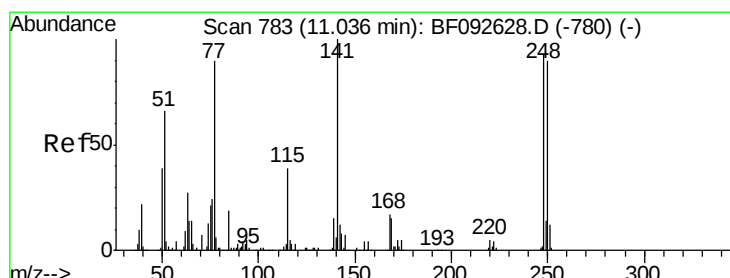
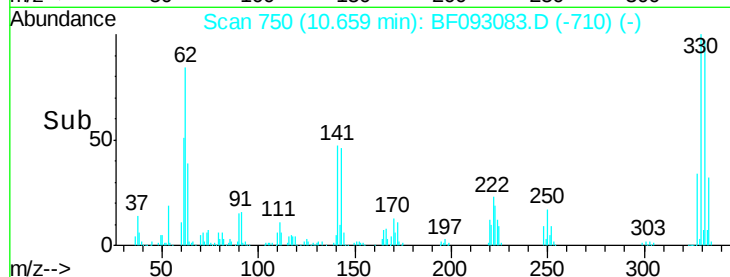
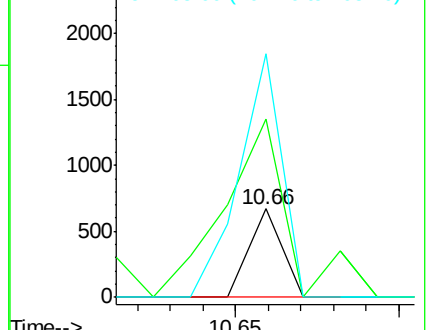
105 274.6 16.6 56.6#



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: 3.96 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF093083.D

Acq: 22 Feb 2017 18:52

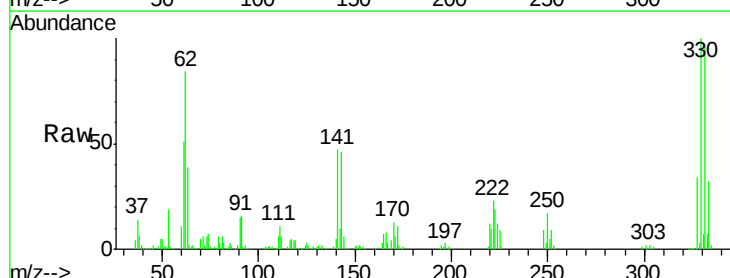
Tgt Ion:248 Resp: 22702

Ion Ratio Lower Upper

248 100

250 197.4 76.9 115.3#

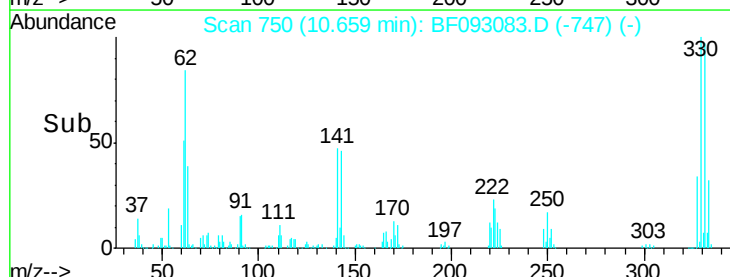
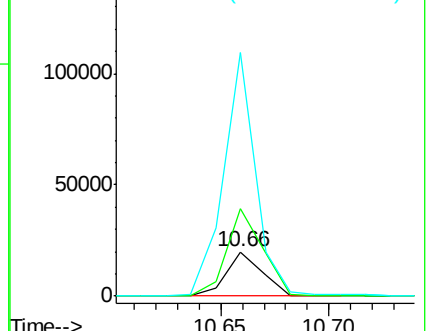
141 549.4 68.2 102.4#

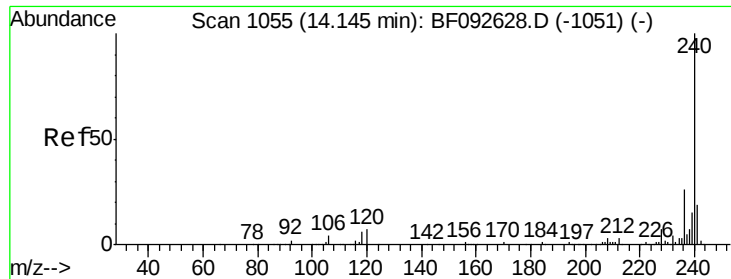


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093083.D

Acq: 22 Feb 2017 18:52

Instrument :

BNA_F

ClientSampleId :

GRIT-STOCKPILE

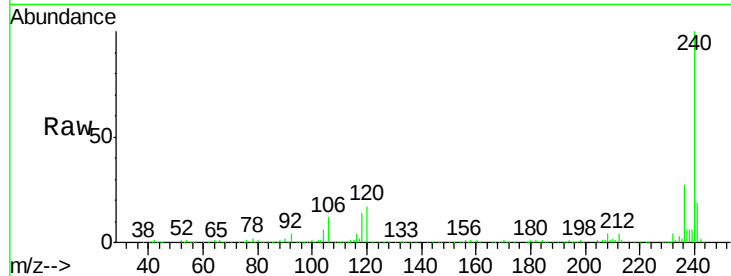
Tgt Ion:240 Resp: 463904

Ion Ratio Lower Upper

240 100

120 16.6 12.9 19.3

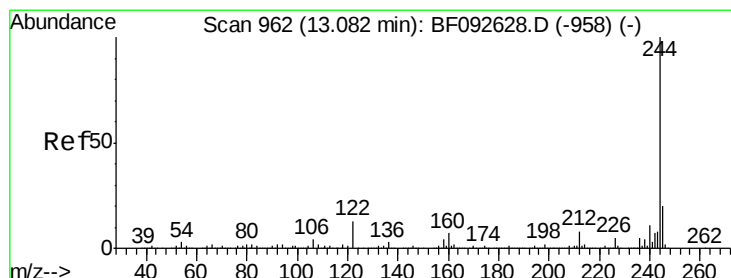
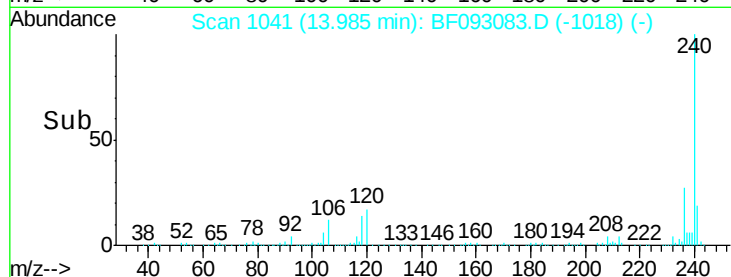
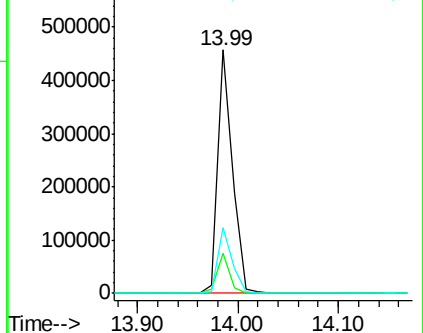
236 27.0 20.9 31.3



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: 81.42 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093083.D

Acq: 22 Feb 2017 18:52

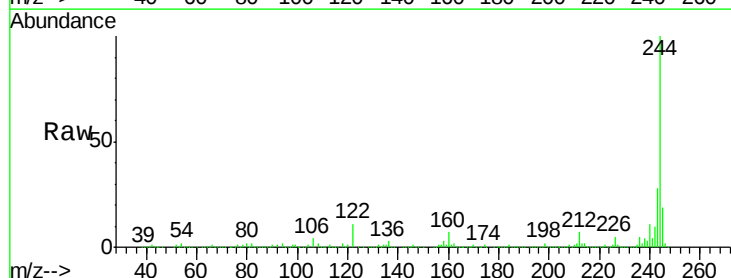
Tgt Ion:244 Resp: 1607435

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

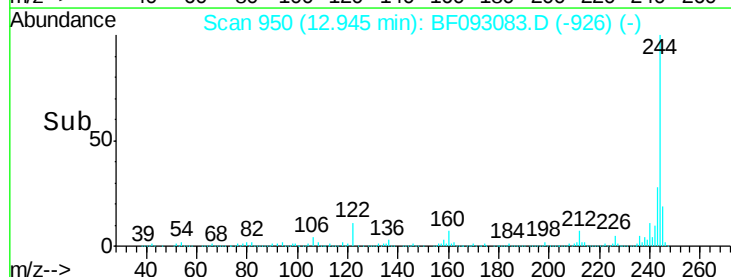
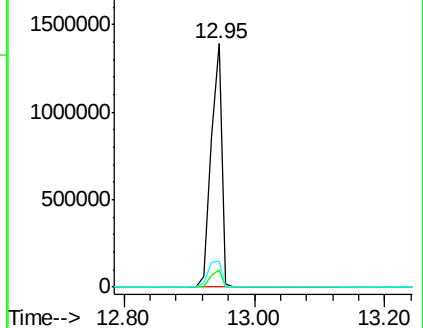
122 10.6 11.4 17.2#

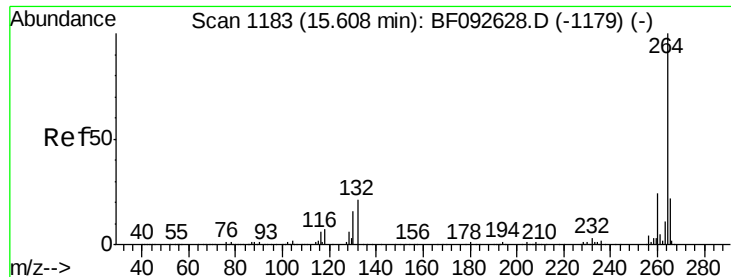


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

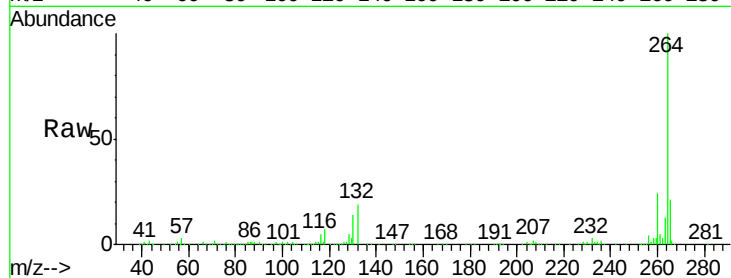




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093083.D
Acq: 22 Feb 2017 18:52

Instrument :
BNA_F
ClientSampleId :
GRIT-STOCKPILE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.1	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

