

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031617\
 Data File : BF093713.D
 Acq On : 16 Mar 2017 18:29
 Operator : SJ/MA
 Sample : I2261-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRAP-ROCK-FINES

Quant Time: Mar 17 00:55:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

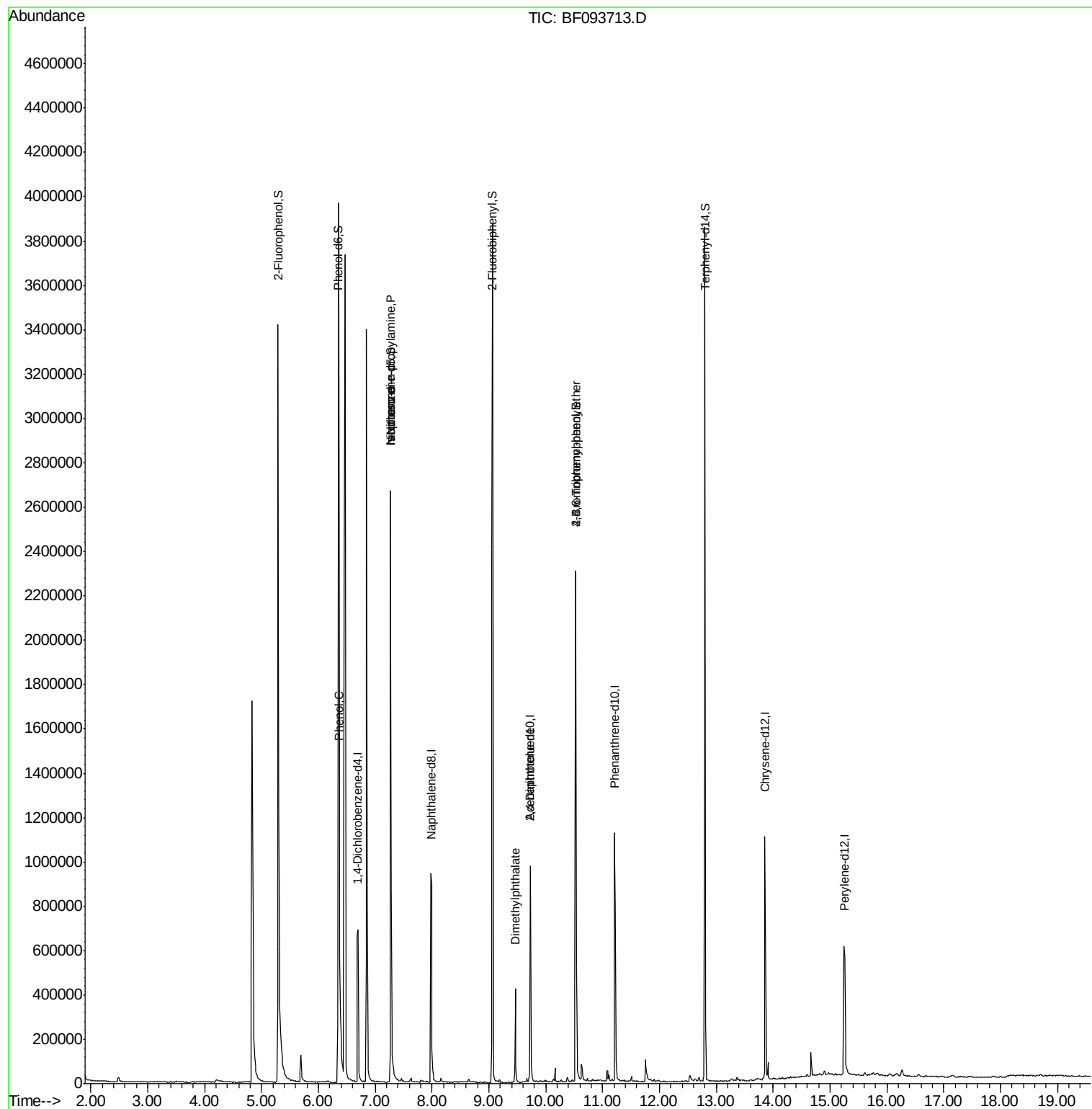
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	170555	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	675700	20.00	ng	-0.02
38) Acenaphthene-d10	9.73	164	298130	20.00	ng	-0.03
63) Phenanthrene-d10	11.21	188	566611	20.00	ng	-0.03
75) Chrysene-d12	13.85	240	471750	20.00	ng	-0.03
86) Perylene-d12	15.26	264	336444	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1282927	125.19	ng	-0.02
7) Phenol-d6	6.36	99	1556718	120.46	ng	-0.02
23) Nitrobenzene-d5	7.27	82	989100	81.22	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	276680	142.44	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	1585687	98.93	ng	-0.02
78) Terphenyl-d14	12.80	244	1274268	70.23	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.36	77	3138	Below Cal	#	1
10) Phenol	6.37	94	144007	9.09	ng	88
19) n-Nitroso-di-n-propylamine	7.27	70	131950	14.85	ng	84
25) Isophorone	7.27	82	956173	38.94	ng	65
49) Dimethylphthalate	9.46	163	179929	9.10	ng	100
56) 2,4-Dinitrotoluene	9.73	165	37157	6.97	ng	21
66) 4-Bromophenyl-phenylether	10.53	248	19487	3.25	ng	1

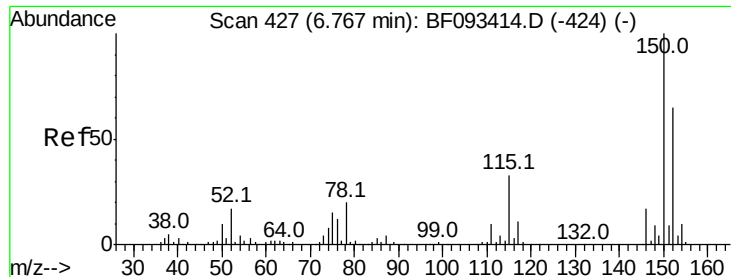
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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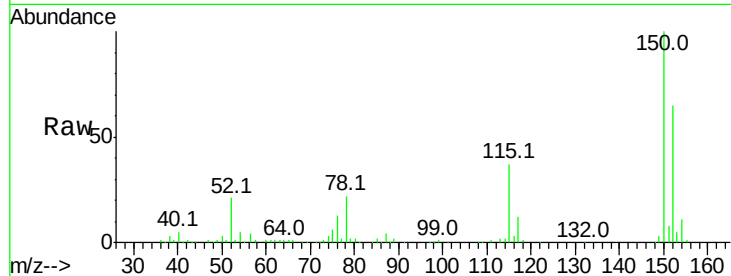


#1

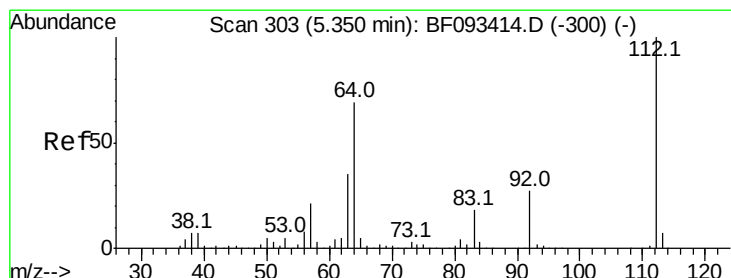
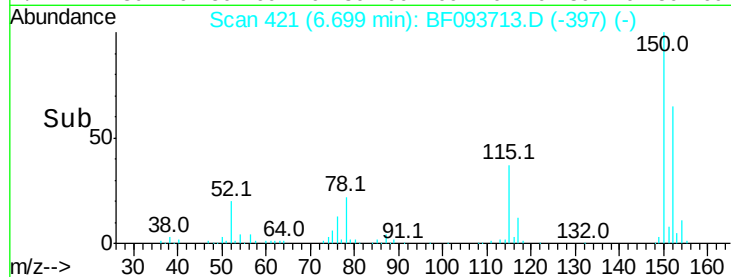
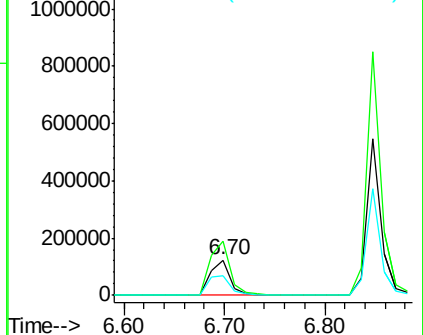
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF093713.D
 Acq: 16 Mar 2017 18:29

Instrument :
 BNA_F
 ClientSampleId :
 TRAP-ROCK-FINES

Tot Ion:152 Resp: 170555
 Ion Ratio Lower Upper
 152 100
 150 152.9 124.9 187.3
 115 56.2 46.0 69.0



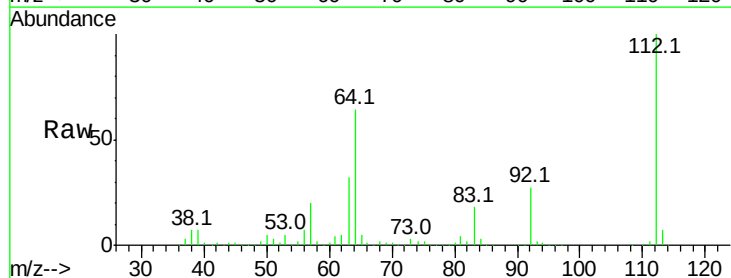
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



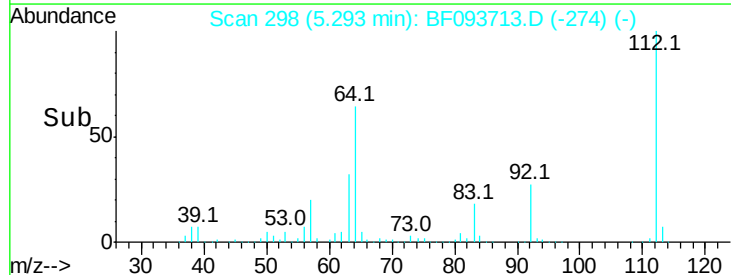
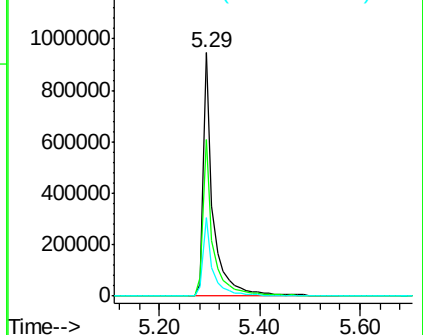
#5

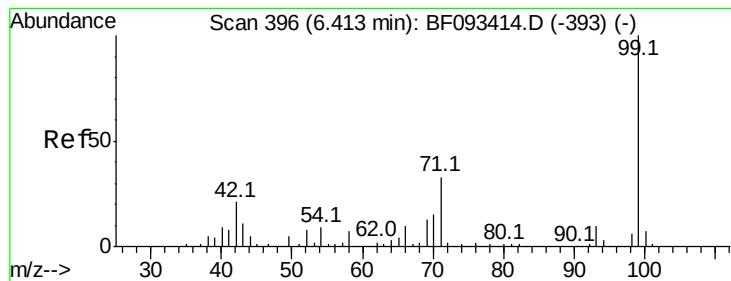
2-Fluorophenol
 Concen: 125.19 ng
 RT: 5.29 min Scan# 298
 Delta R.T. -0.02 min
 Lab File: BF093713.D
 Acq: 16 Mar 2017 18:29

Tgt Ion:112 Resp: 1282927
 Ion Ratio Lower Upper
 112 100
 64 64.2 46.1 69.1
 63 32.4 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: 120.46 ng

RT: 6.36 min Scan# 391

Delta R.T. -0.02 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

Instrument :

BNA_F

ClientSampleId :

TRAP-ROCK-FINES

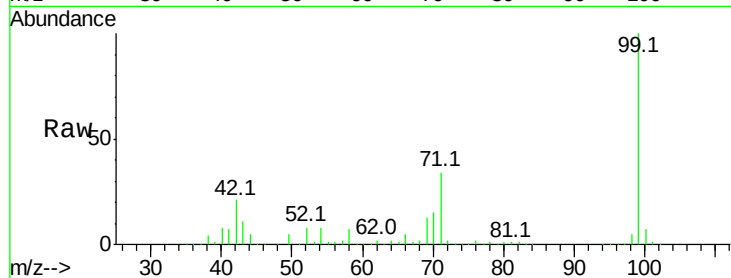
Tot Ion: 99 Resp: 1556718

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

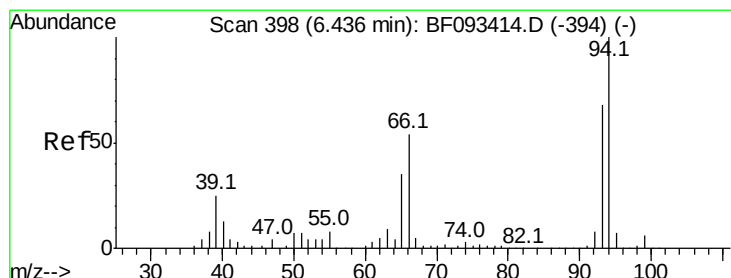
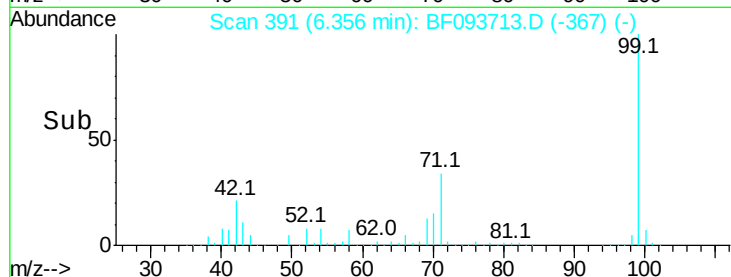
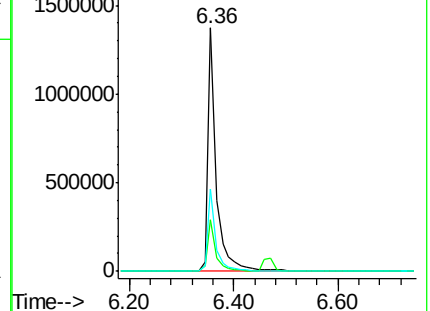
71 33.9 27.5 41.3



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



#10

Phenol

Concen: 9.09 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

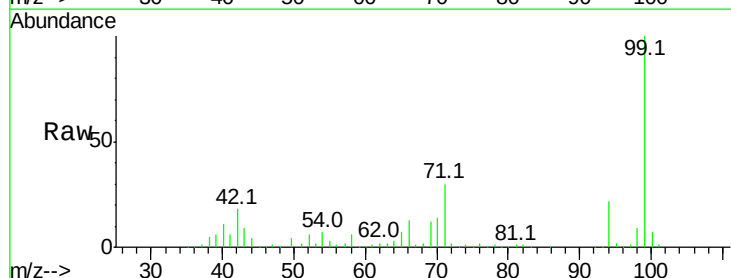
Tgt Ion: 94 Resp: 144007

Ion Ratio Lower Upper

94 100

65 31.1 21.4 61.4

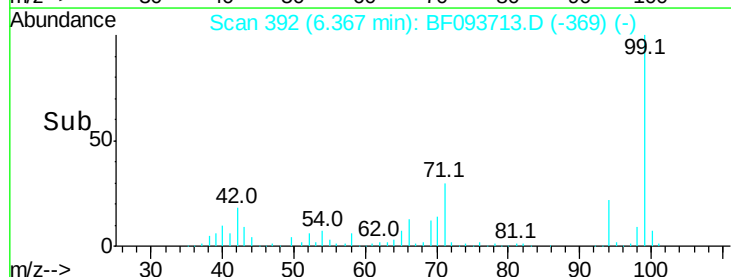
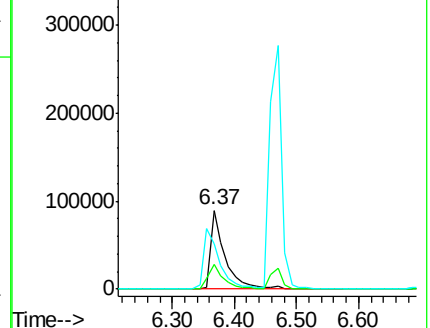
66 56.9 44.0 84.0

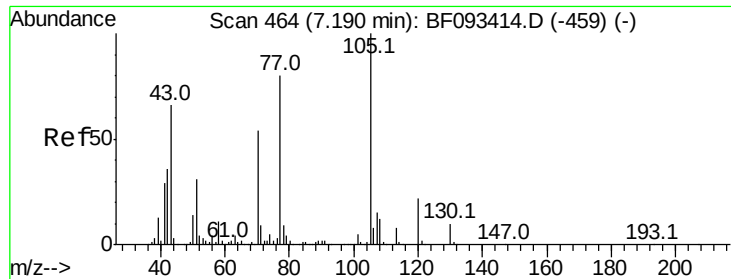


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

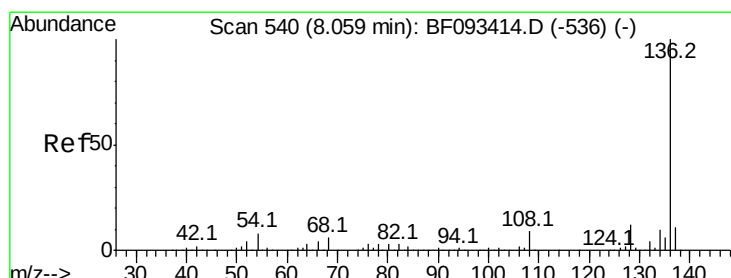
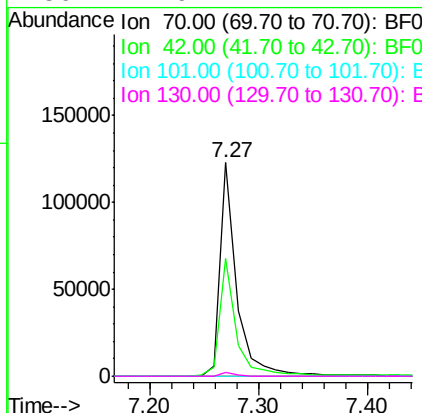
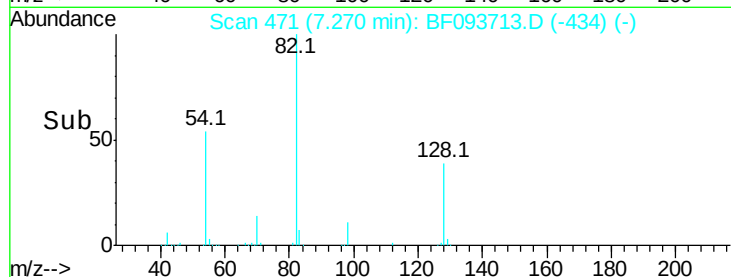
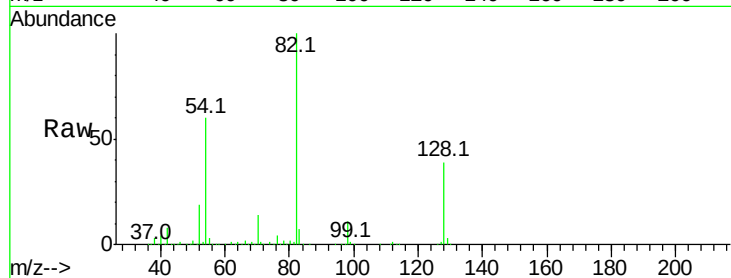




#19
n-Nitroso-di-n-propylamine
Concen: 14.85 ng
RT: 7.27 min Scan# 471
Delta R.T. 0.13 min
Lab File: BF093713.D
Acq: 16 Mar 2017 18:29

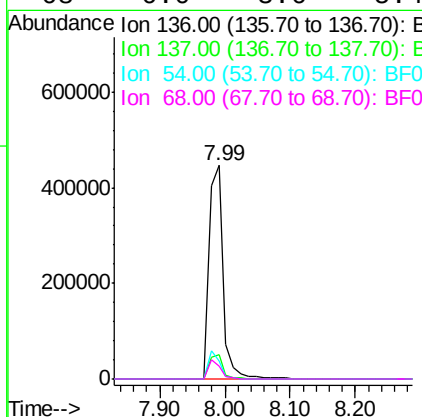
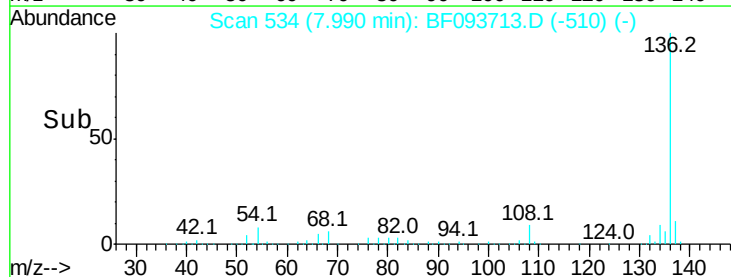
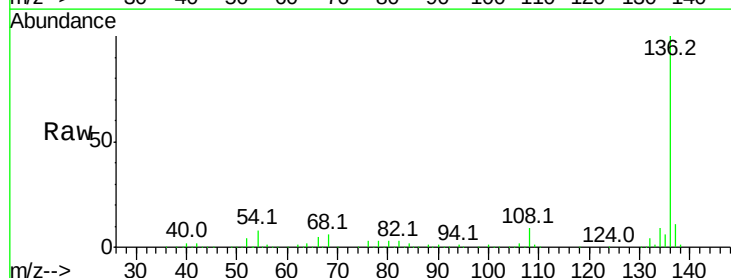
Instrument :
BNA_F
ClientSampleId :
TRAP-ROCK-FINES

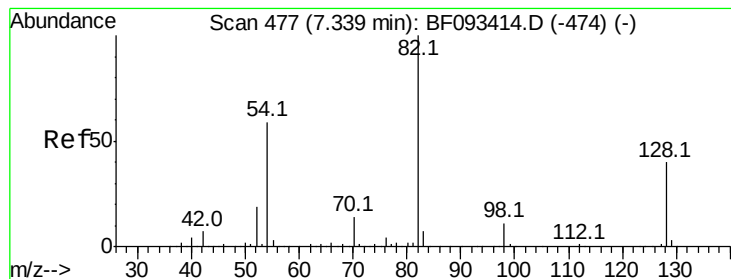
Tot Ion: 70 Resp: 131950
Ion Ratio Lower Upper
70 100
42 55.0 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 534
Delta R.T. -0.02 min
Lab File: BF093713.D
Acq: 16 Mar 2017 18:29

Tgt Ion: 136 Resp: 675700
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.2 4.5 6.7#
68 6.0 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 81.22 ng

RT: 7.27 min Scan# 471

Delta R.T. -0.03 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

Instrument :

BNA_F

ClientSampleId :

TRAP-ROCK-FINES

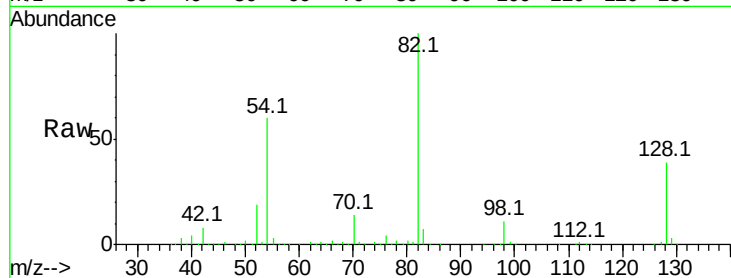
Tot Ion: 82 Resp: 989100

Ion Ratio Lower Upper

82 100

128 39.0 34.6 52.0

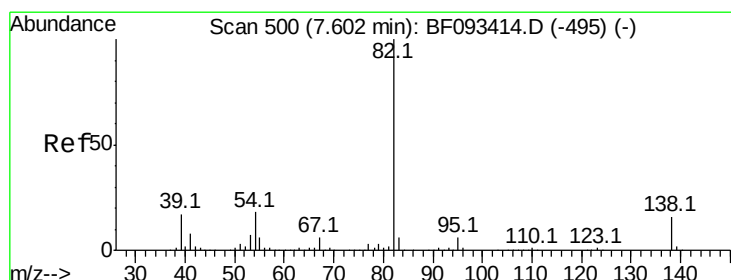
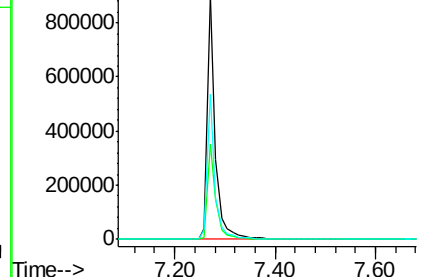
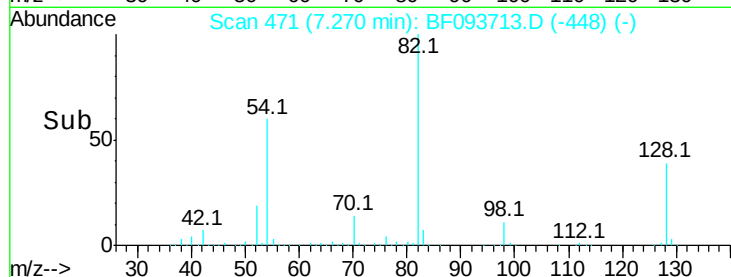
54 59.8 39.5 59.3#



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: 38.94 ng

RT: 7.27 min Scan# 471

Delta R.T. -0.29 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

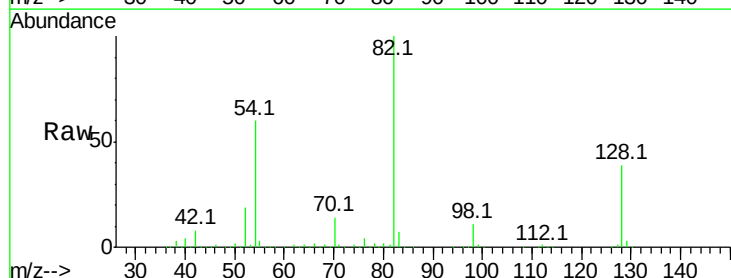
Tgt Ion: 82 Resp: 956173

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

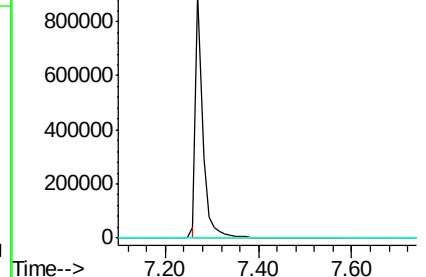
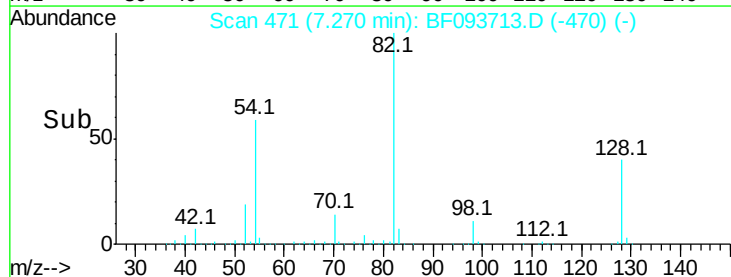
138 0.0 14.6 22.0#

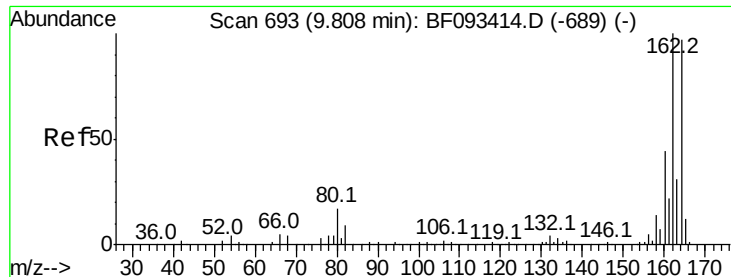


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

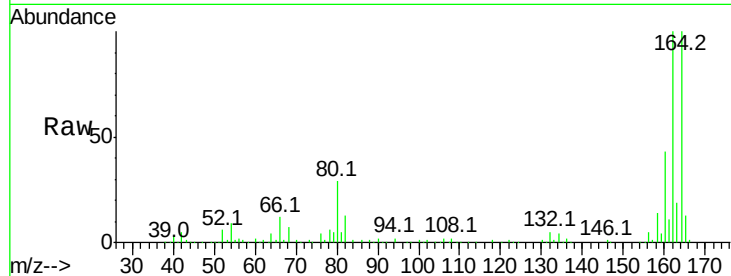




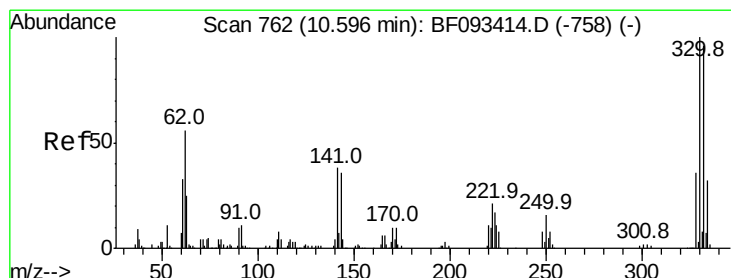
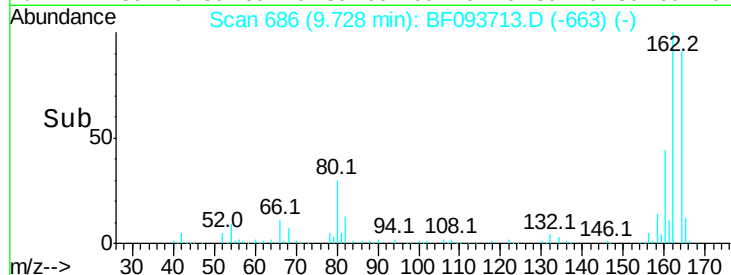
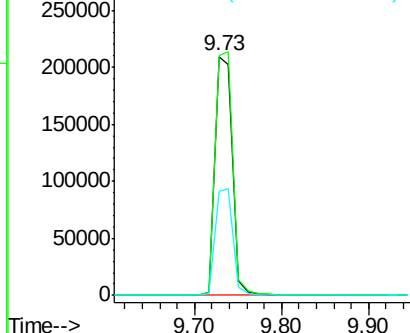
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.73 min Scan# 686
 Delta R.T. -0.03 min
 Lab File: BF093713.D
 Acq: 16 Mar 2017 18:29

Instrument :
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 TRAP-ROCK-FINES

Tot Ion:164 Resp: 298130
 Ion Ratio Lower Upper
 164 100
 162 100.4 80.2 120.2
 160 43.6 36.9 55.3

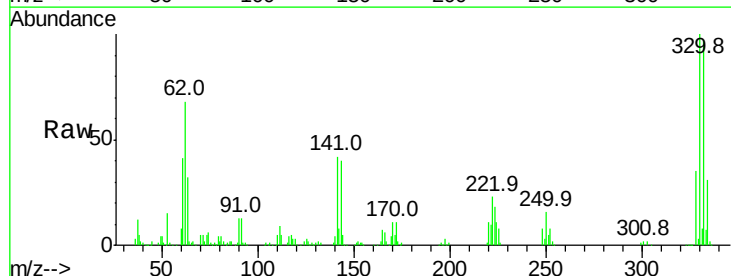


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

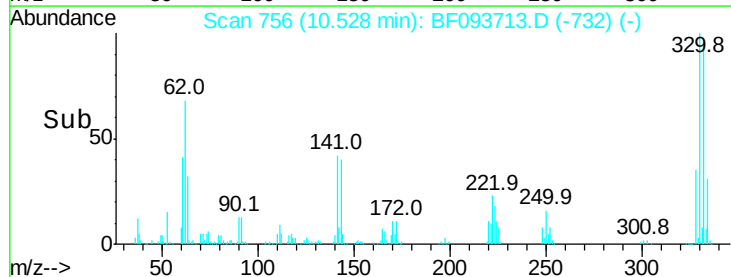
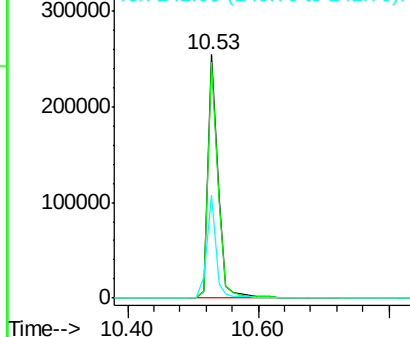


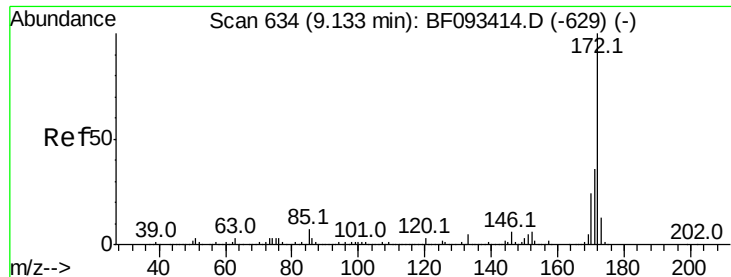
#41
 2,4,6-Tribromophenol
 Concen: 142.44 ng
 RT: 10.53 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF093713.D
 Acq: 16 Mar 2017 18:29

Tgt Ion:330 Resp: 276680
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.4 116.2
 141 38.4 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: 98.93 ng

RT: 9.06 min Scan# 628

Delta R.T. -0.02 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

Instrument :

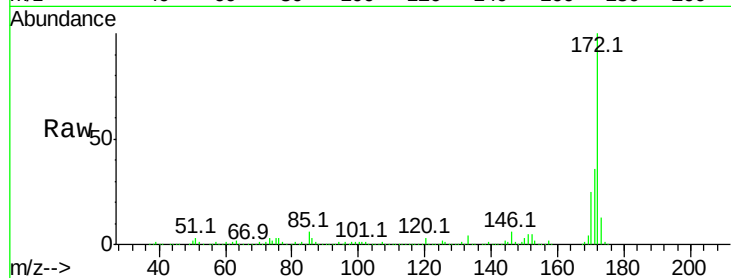
BNA_F

ClientSampleId :

TRAP-ROCK-FINES

Tot Ion:172 Resp: 1585687

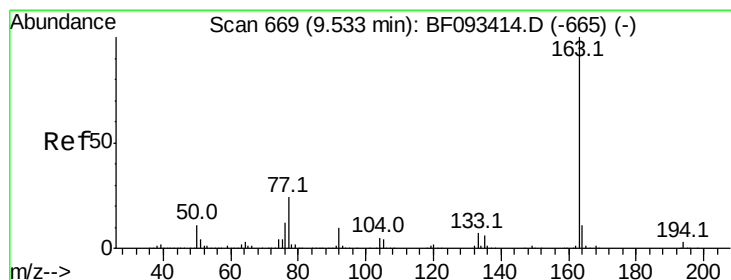
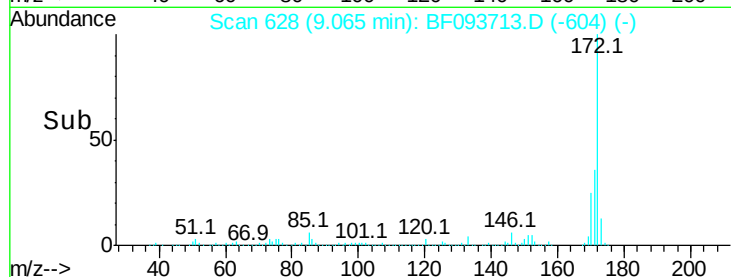
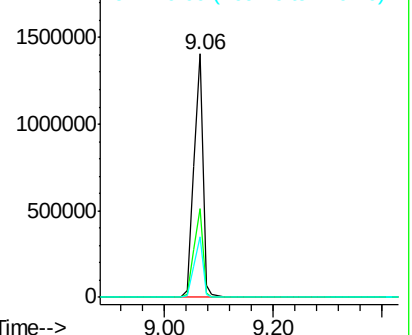
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.6	20.2	30.4



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: 9.10 ng

RT: 9.46 min Scan# 663

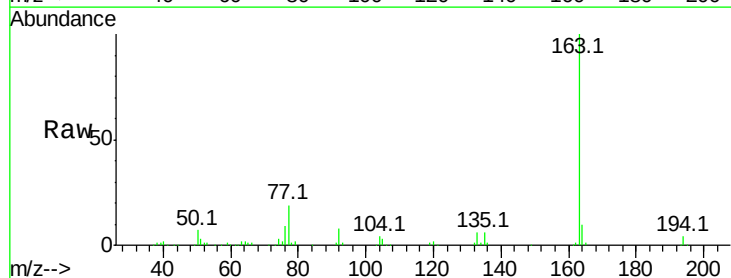
Delta R.T. -0.03 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

Tgt Ion:163 Resp: 179929

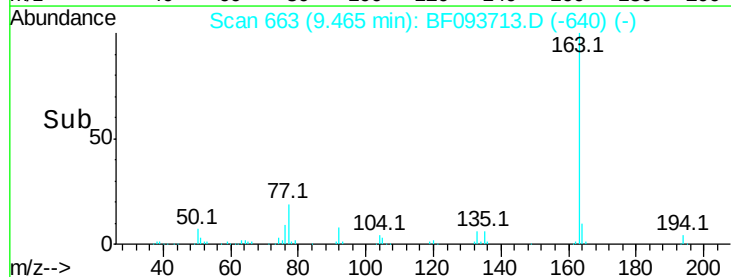
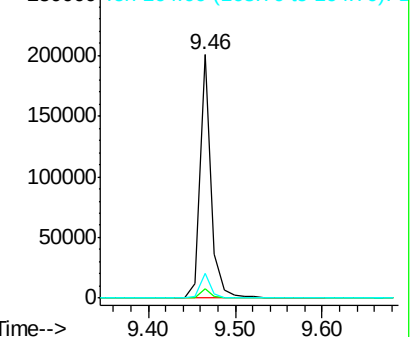
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.2	8.0	12.0

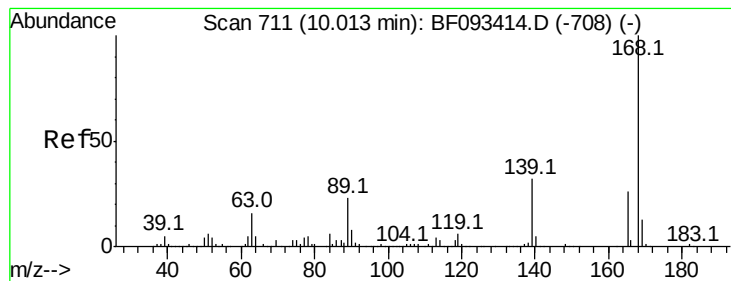


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.97 ng

RT: 9.73 min Scan# 686

Delta R.T. -0.25 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

Instrument :

BNA_F

ClientSampleId :

TRAP-ROCK-FINES

Tot Ion:165 Resp: 37157

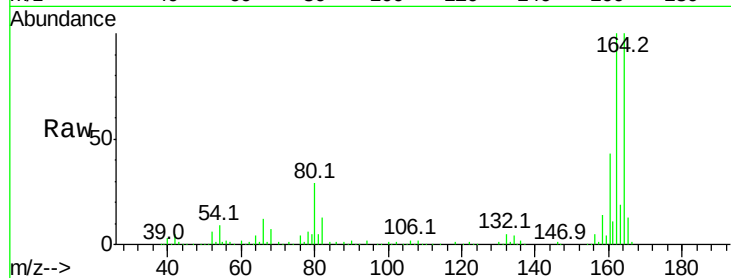
Ion Ratio Lower Upper

165 100

63 1.6 40.2 60.4#

89 2.0 62.5 93.7#

182 0.0 1.8 2.8#

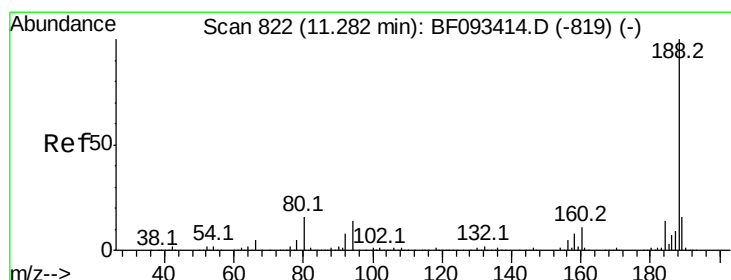
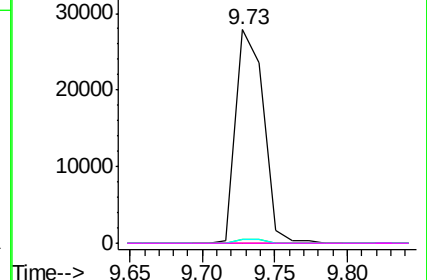
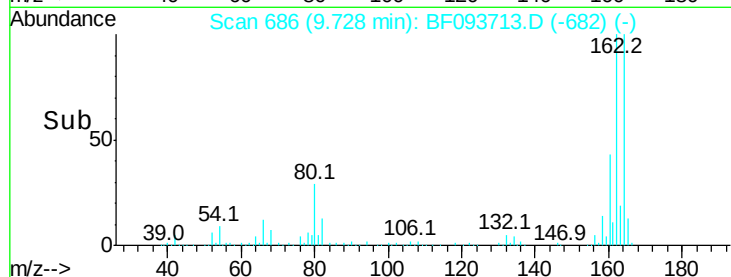


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.21 min Scan# 816

Delta R.T. -0.03 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

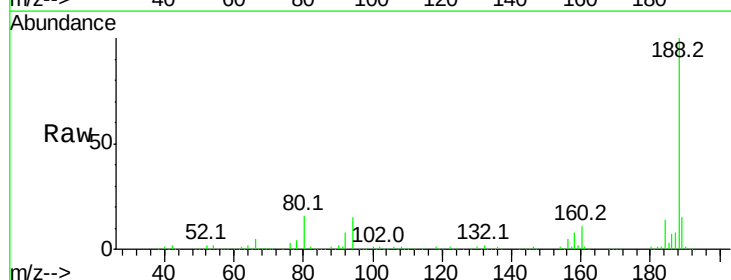
Tgt Ion:188 Resp: 566611

Ion Ratio Lower Upper

188 100

94 14.9 10.0 15.0

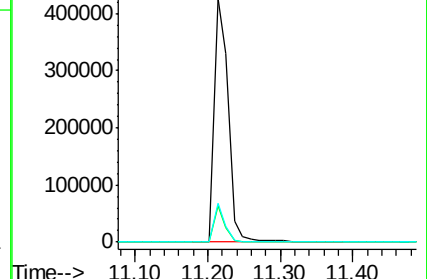
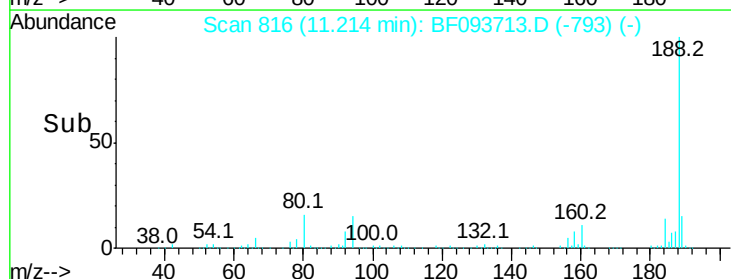
80 15.8 11.2 16.8

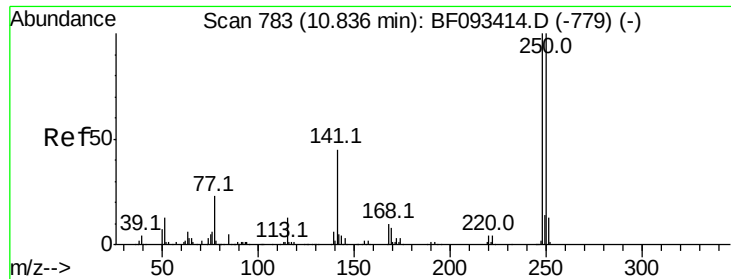


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

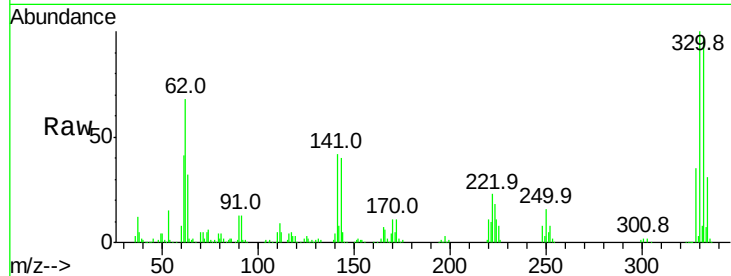




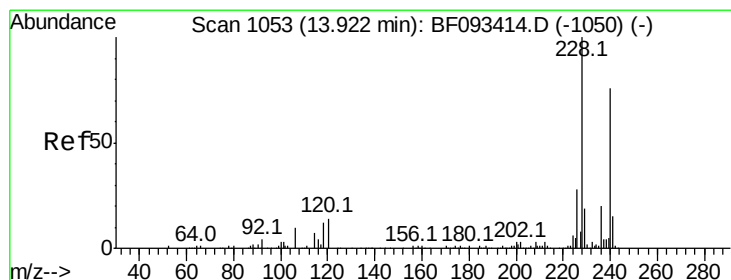
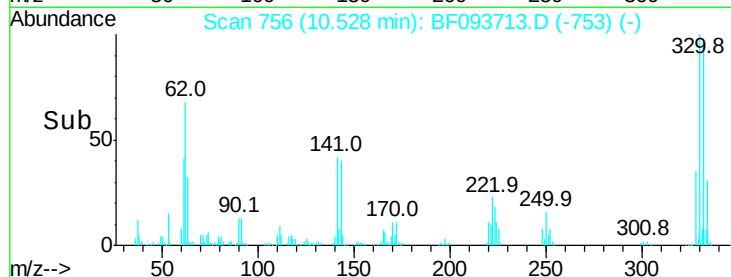
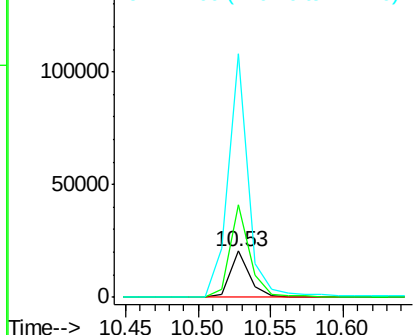
#66
 4-Bromophenyl-phenylether
 Concen: 3.25 ng
 RT: 10.53 min Scan# 756
 Delta R.T. -0.26 min
 Lab File: BF093713.D
 Acq: 16 Mar 2017 18:29

Instrument :
 BNA_F
 ClientSampleId :
 TRAP-ROCK-FINES

Tot Ion:248 Resp: 19487
 Ion Ratio Lower Upper
 248 100
 250 200.4 76.9 115.3#
 141 528.6 68.2 102.4#

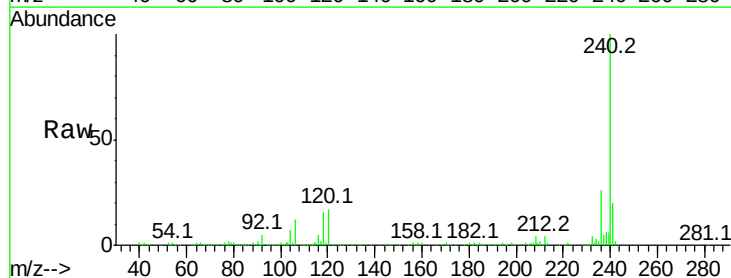


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

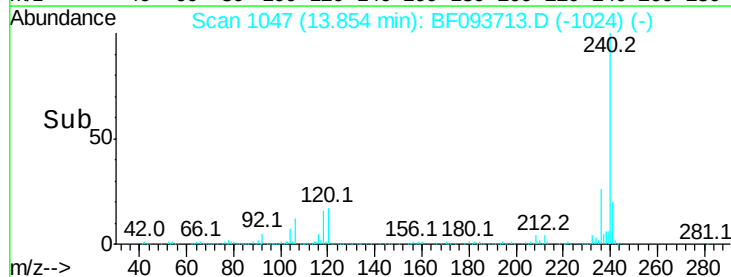
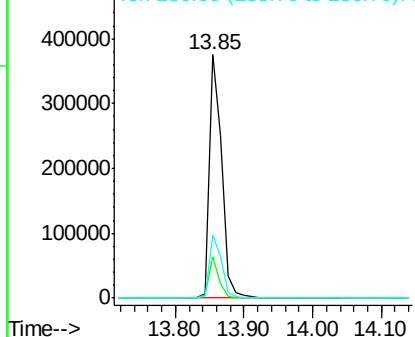


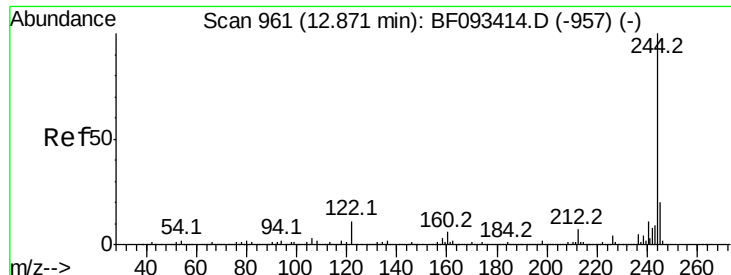
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.85 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: BF093713.D
 Acq: 16 Mar 2017 18:29

Tgt Ion:240 Resp: 471750
 Ion Ratio Lower Upper
 240 100
 120 17.0 12.9 19.3
 236 25.7 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: 70.23 ng

RT: 12.80 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

Instrument :

BNA_F

ClientSampleId :

TRAP-ROCK-FINES

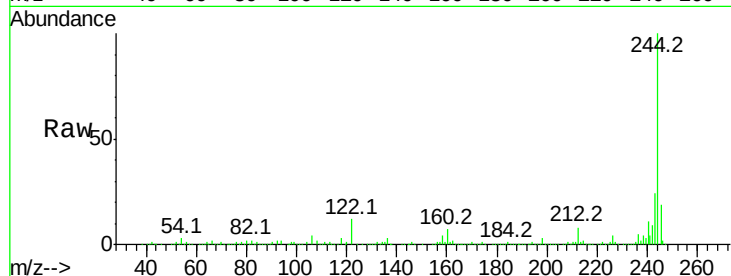
Tot Ion:244 Resp: 1274268

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

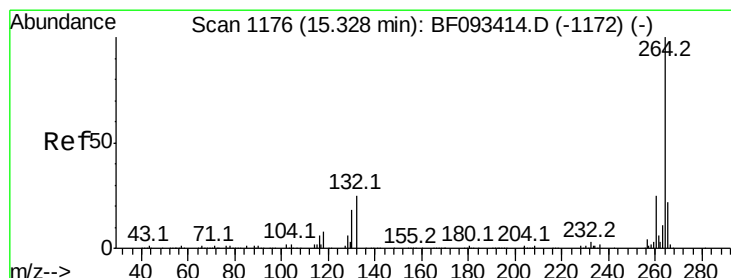
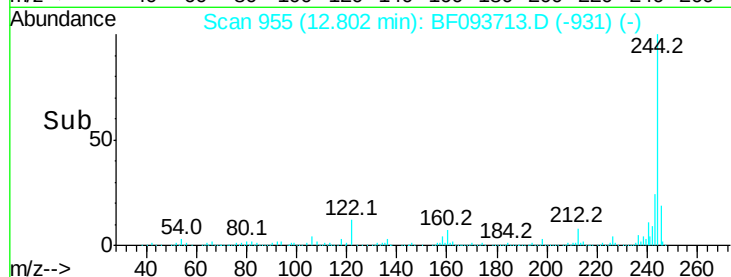
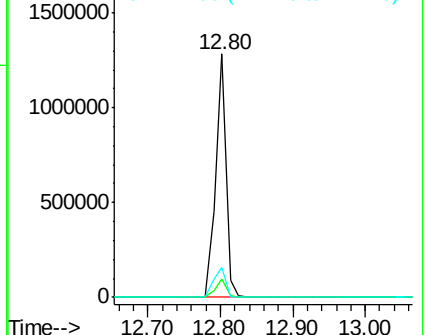
122 12.3 11.4 17.2



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: 15.26 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF093713.D

Acq: 16 Mar 2017 18:29

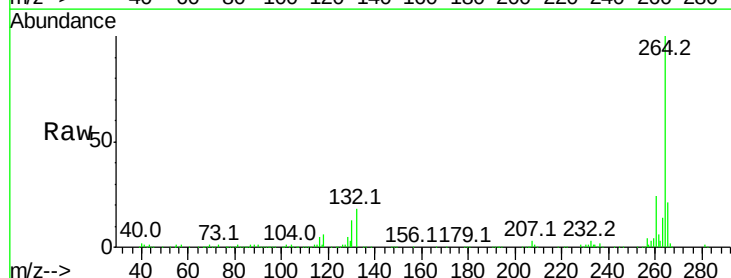
Tgt Ion:264 Resp: 336444

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.4 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

