

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092415\
 Data File : BF081777.D
 Acq On : 24 Sep 2015 21:59
 Operator : UM/IZ
 Sample : G3761-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Sep 25 06:05:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:04:07 2015
 Response via : Initial Calibration

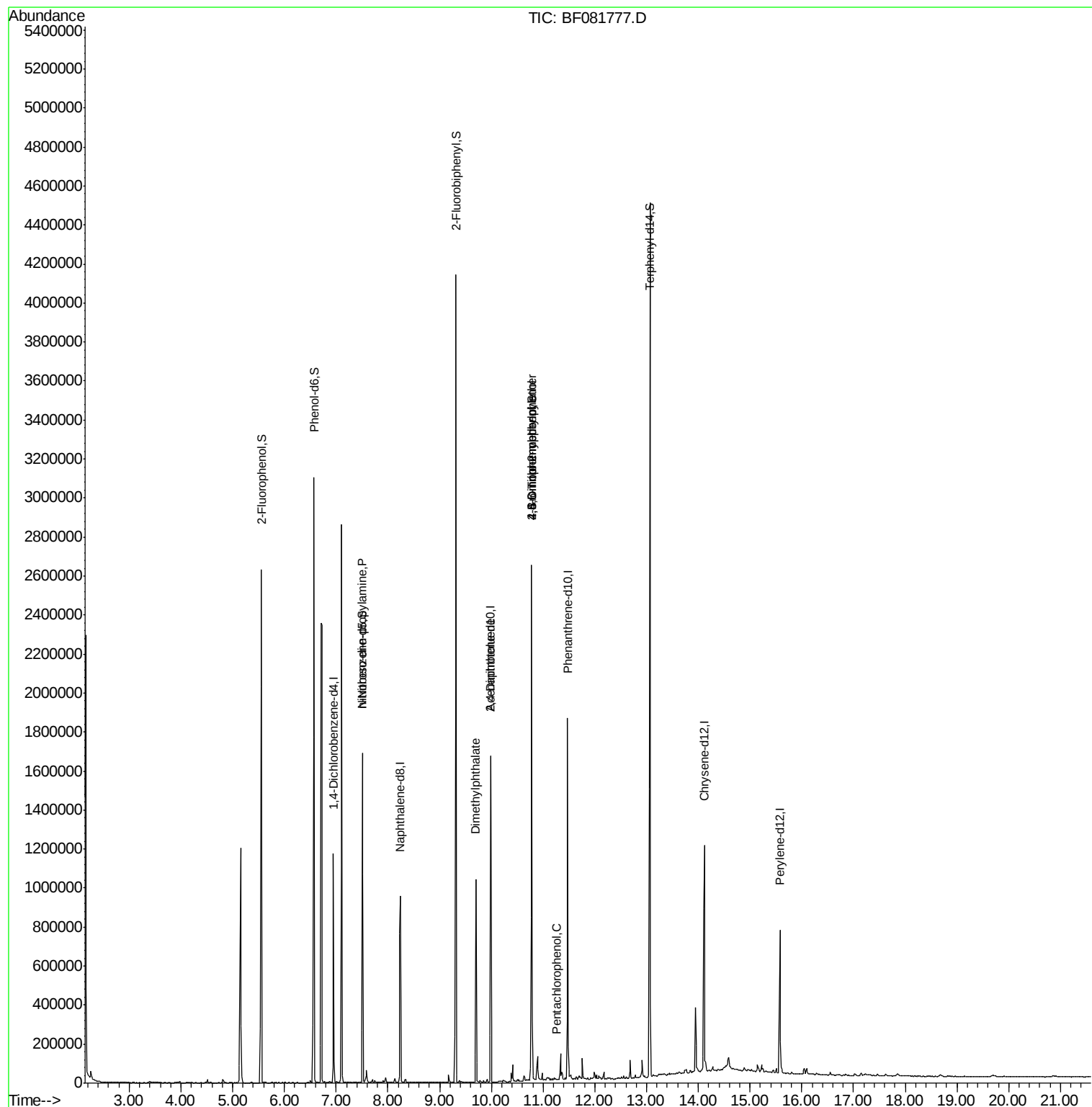
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	155335	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	598912	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	320704	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	626019	20.00	ng	0.00
75) Chrysene-d12	14.12	240	511686	20.00	ng	0.00
86) Perylene-d12	15.58	264	346998	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	937346	102.09	ng	0.01
7) Phenol-d6	6.57	99	1220350	105.08	ng	0.00
23) Nitrobenzene-d5	7.51	82	687913	75.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	306828	110.20	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1448732	74.15	ng	0.00
78) Terphenyl-d14	13.06	244	1404415	62.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	90102	11.64	ng	# 63
49) Dimethylphthalate	9.70	163	398639	16.34	ng	# 97
56) 2,4-Dinitrotoluene	9.99	165	41262	7.32	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.78	198	942	8.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	21593	3.10	ng	# 1
69) Pentachlorophenol	11.27	266	232	5.70	ng	# 19

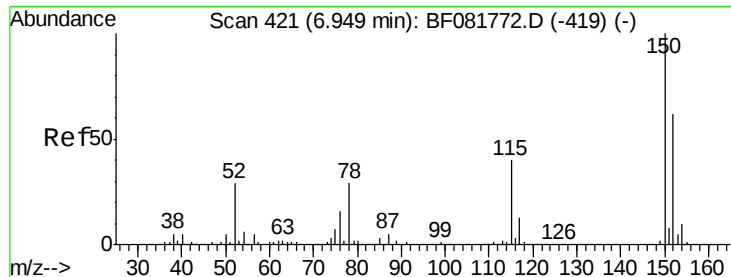
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

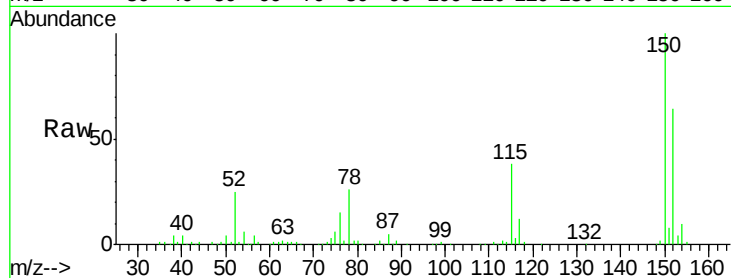
Tot Ion:152 Resp: 155335

Ion Ratio Lower Upper

152 100

150 156.6 124.7 187.1

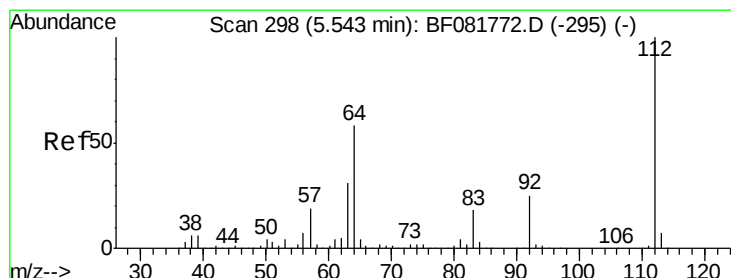
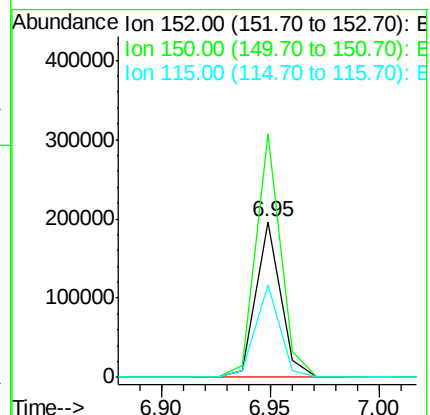
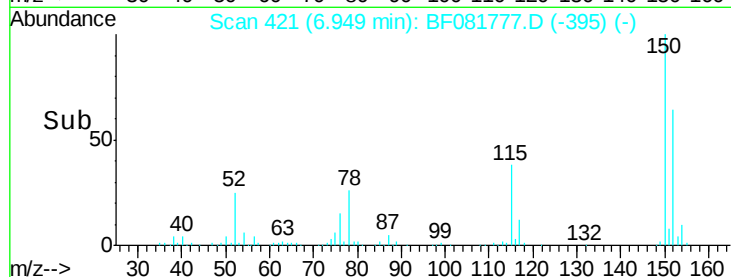
115 59.9 39.0 58.4#



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: 102.09 ng

RT: 5.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

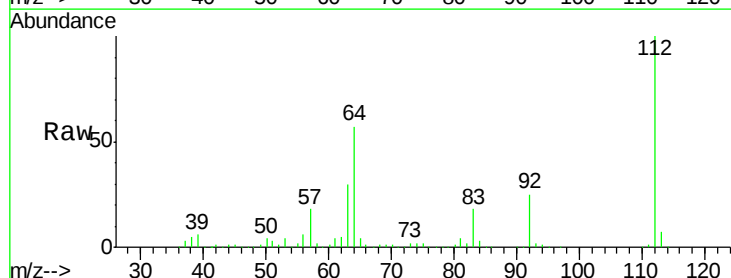
Tgt Ion:112 Resp: 937346

Ion Ratio Lower Upper

112 100

64 56.5 39.7 59.5

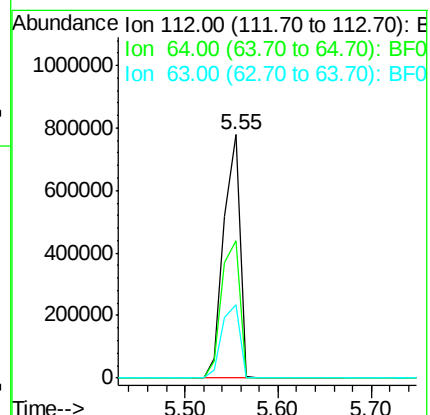
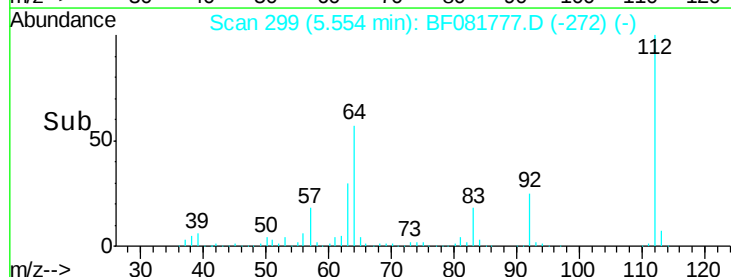
63 30.3 17.4 26.0#

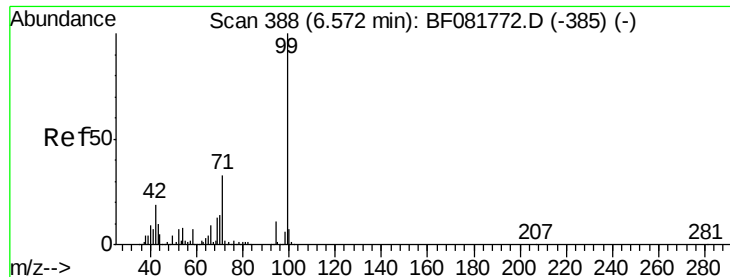


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.08 ng

RT: 6.57 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA_F

ClientSampled :

SOIL-PILE

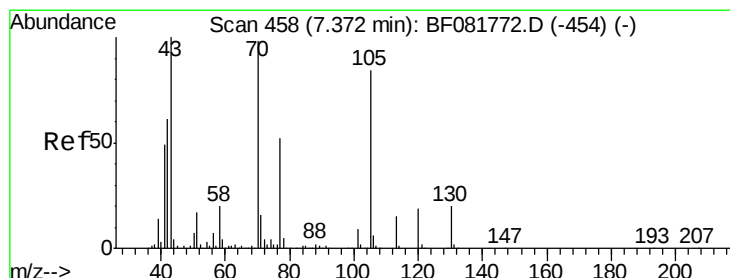
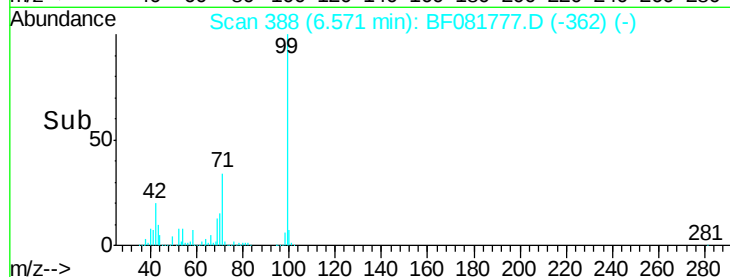
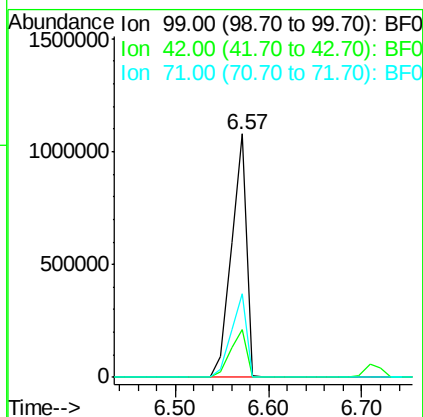
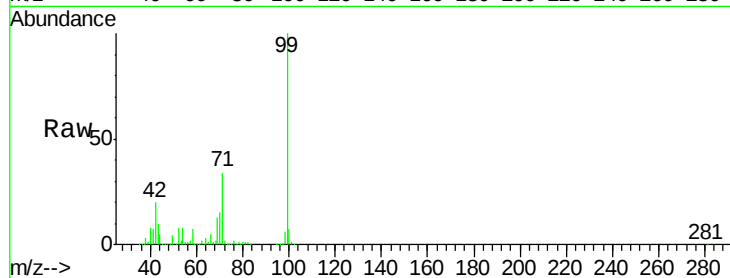
Tot Ion: 99 Resp: 1220350

Ion Ratio Lower Upper

99 100

42 19.7 13.7 20.5

71 34.2 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.64 ng

RT: 7.51 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Tgt Ion: 70 Resp: 90102

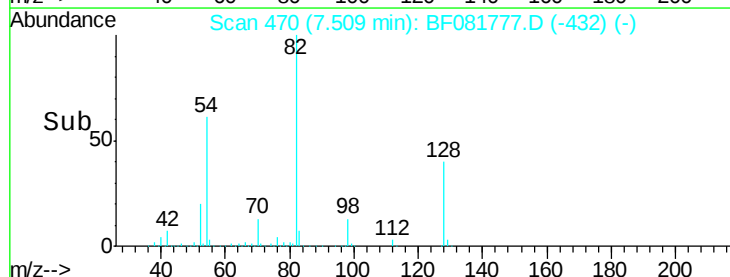
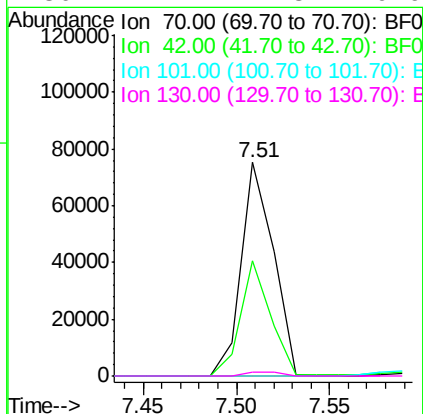
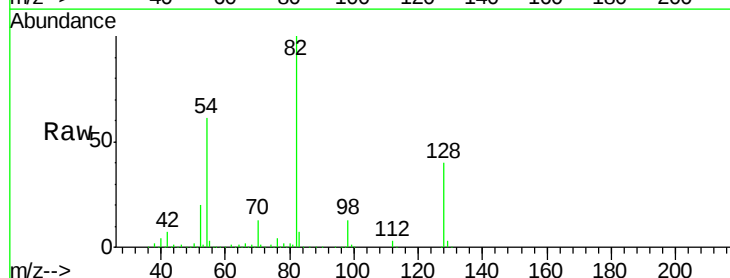
Ion Ratio Lower Upper

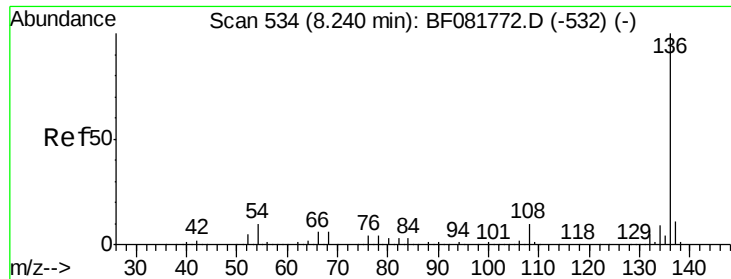
70 100

42 53.8 63.8 95.6#

101 0.0 9.2 13.8#

130 2.1 27.3 40.9#

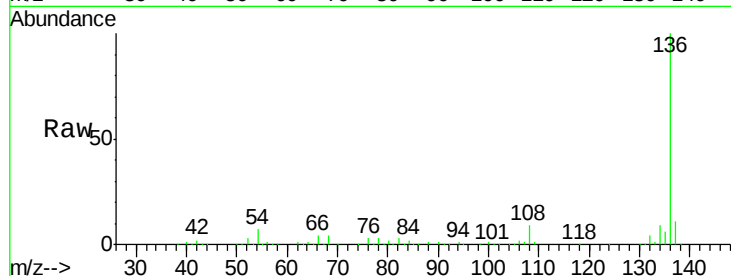




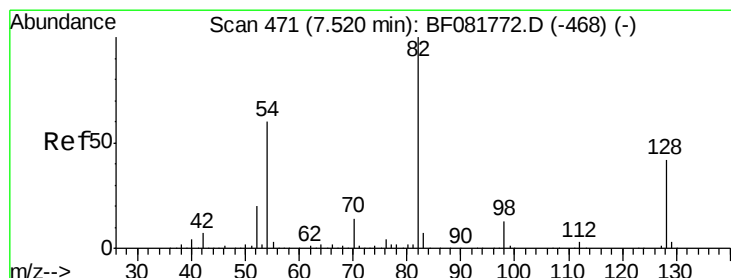
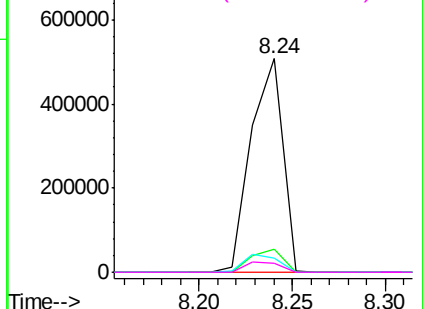
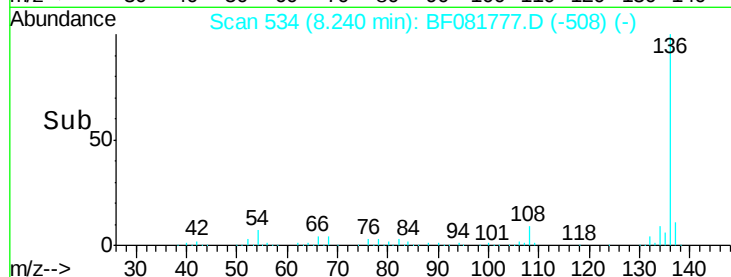
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF081777.D
Acq: 24 Sep 2015 21:59

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:136	Resp:	598912
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.6
54	6.5	8.2 12.2#
68	4.3	5.8 8.6#

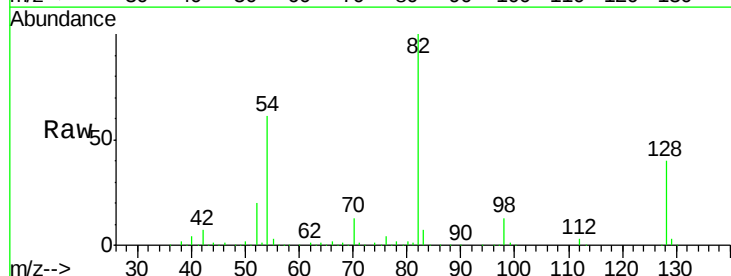


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

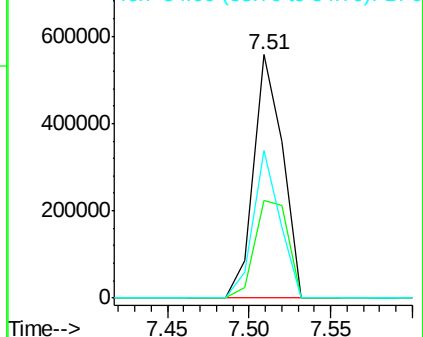
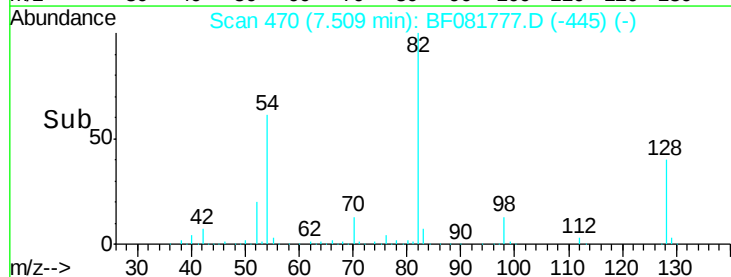


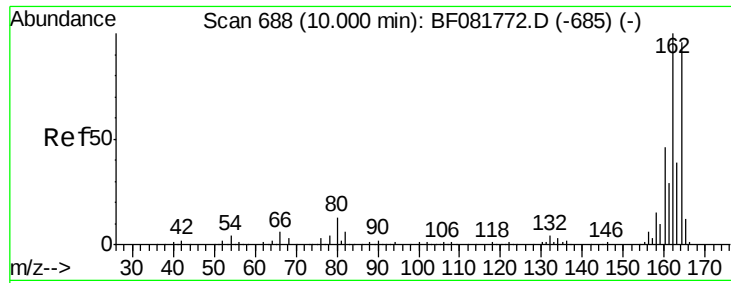
#23
Nitrobenzene-d5
Concen: 75.78 ng
RT: 7.51 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF081777.D
Acq: 24 Sep 2015 21:59

Tgt Ion: 82	Resp:	687913
Ion Ratio	Lower	Upper
82	100	
128	39.9	51.0 76.6#
54	60.8	47.5 71.3



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

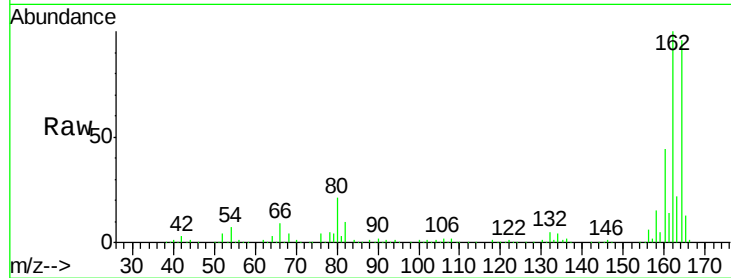




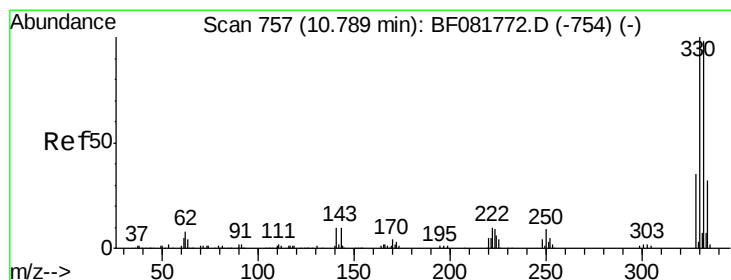
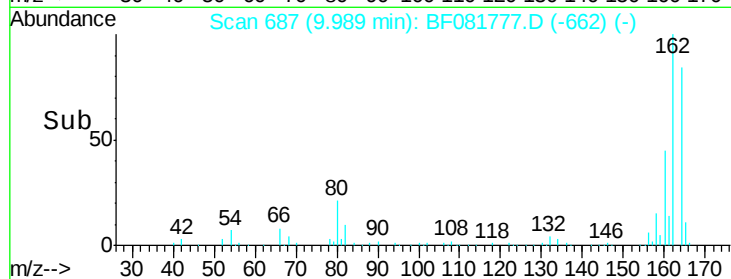
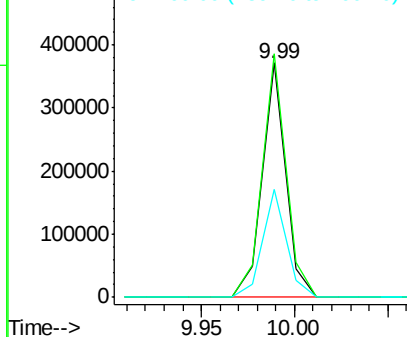
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF081777.D
 Acq: 24 Sep 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion:164 Resp: 320704
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 46.0 31.5 47.3

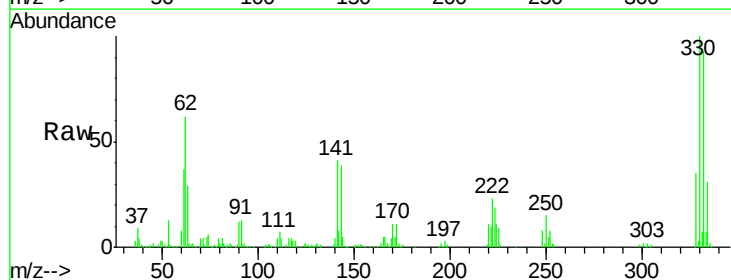


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

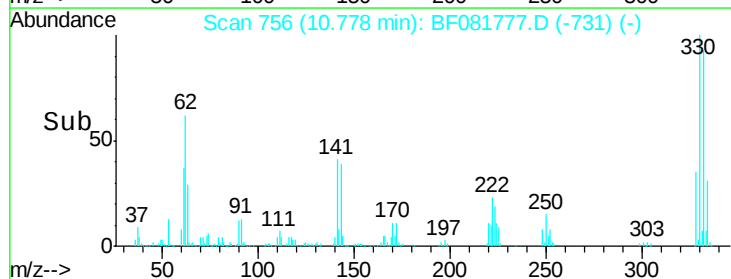
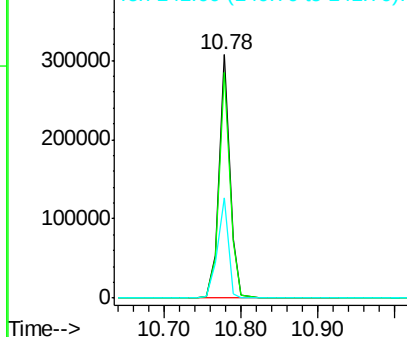


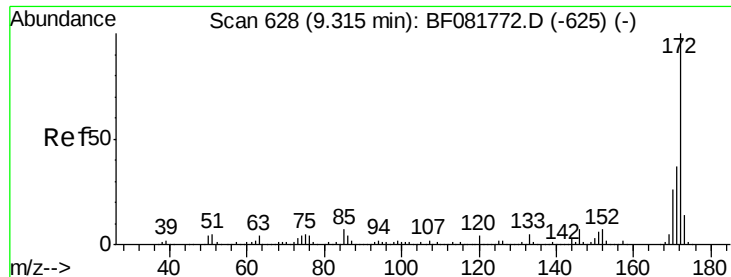
#41
 2,4,6-Tribromophenol
 Concen: 110.20 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081777.D
 Acq: 24 Sep 2015 21:59

Tgt Ion:330 Resp: 306828
 Ion Ratio Lower Upper
 330 100
 332 93.4 76.6 114.8
 141 40.5 29.7 44.5



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

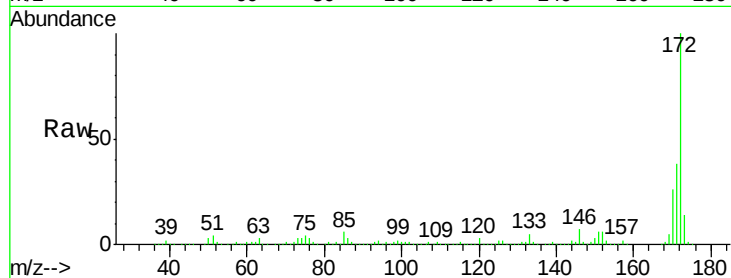




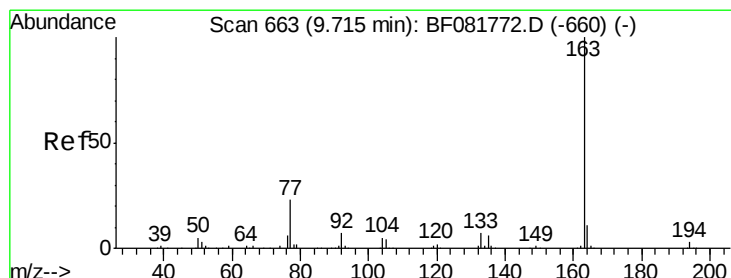
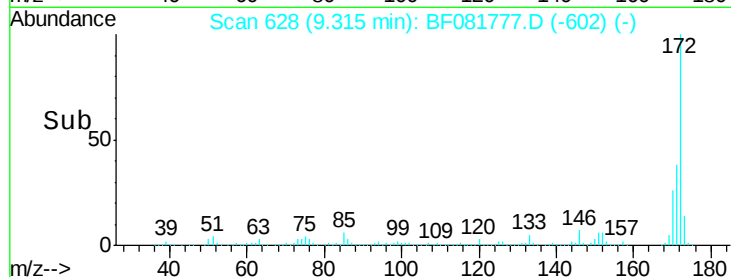
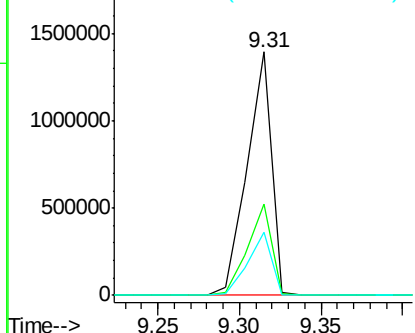
#44
2-Fluorobiphenyl
Concen: 74.15 ng
RT: 9.31 min Scan# 628
Delta R.T. -0.00 min
Lab File: BF081777.D
Acq: 24 Sep 2015 21:59

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion:172 Resp: 1448732
Ion Ratio Lower Upper
172 100
171 37.6 26.1 39.1
170 25.8 17.4 26.2

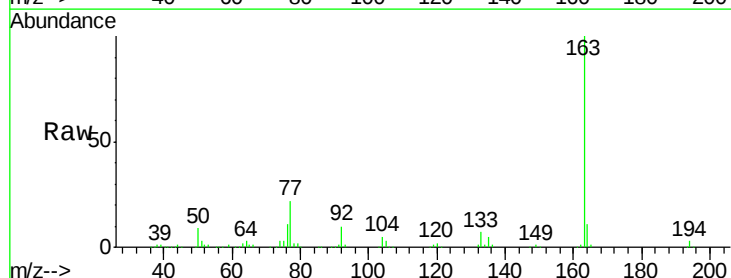


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

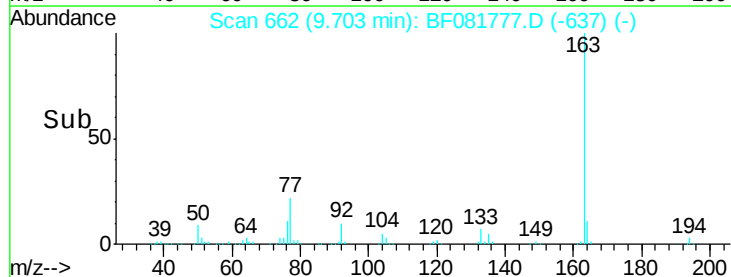
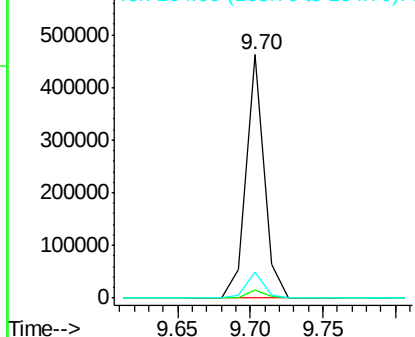


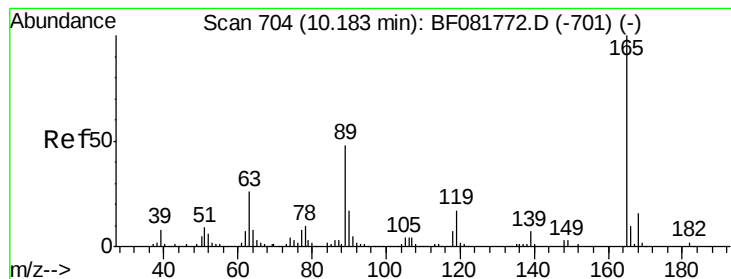
#49
Dimethylphthalate
Concen: 16.34 ng
RT: 9.70 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF081777.D
Acq: 24 Sep 2015 21:59

Tgt Ion:163 Resp: 398639
Ion Ratio Lower Upper
163 100
194 3.3 4.4 6.6#
164 10.6 8.3 12.5



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

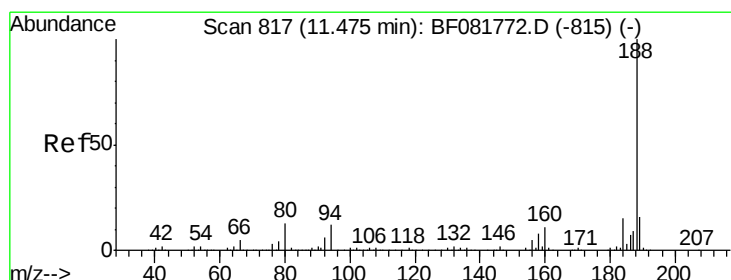
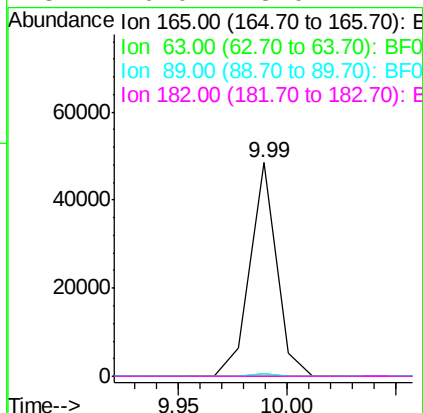
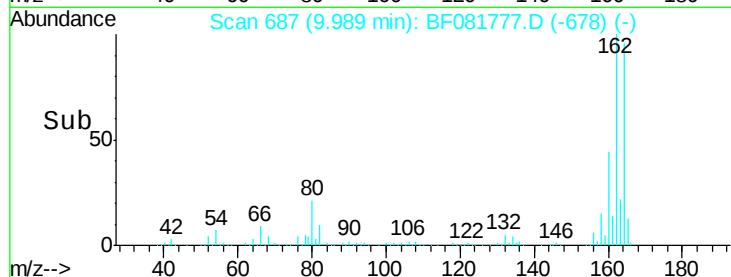
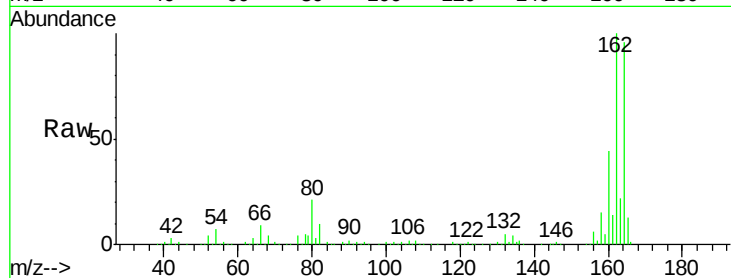




#56
 2,4-Dinitrotoluene
 Concen: 7.32 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.19 min
 Lab File: BF081777.D
 Acq: 24 Sep 2015 21:59

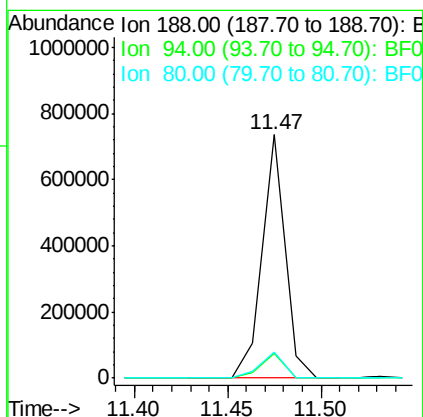
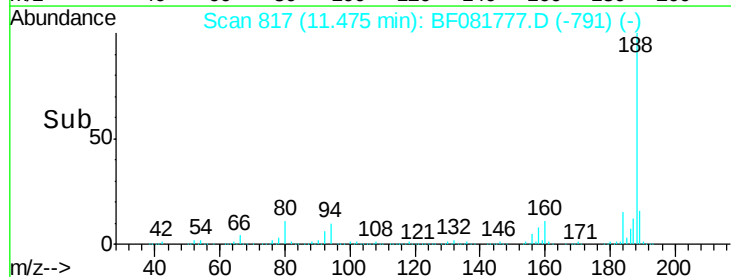
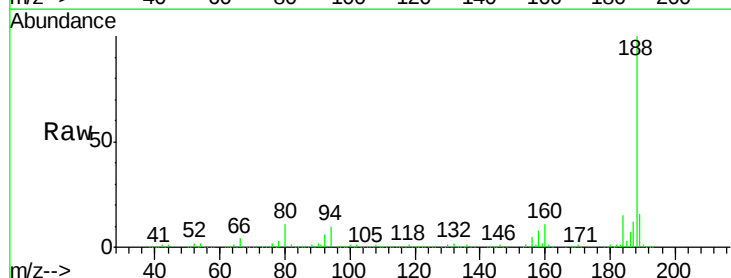
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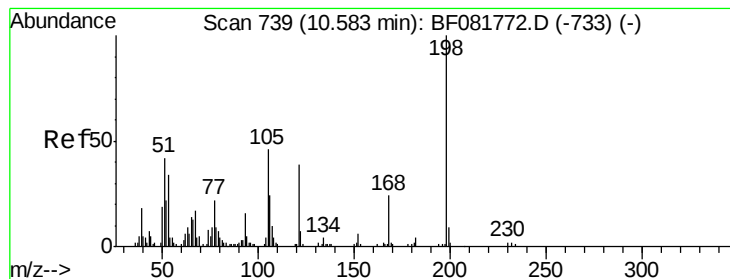
Tot Ion:165	Resp:	41262
Ion Ratio	Lower	Upper
165	100	
63	1.1	29.8 44.6#
89	1.3	44.5 66.7#
182	0.0	3.0 4.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.47 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF081777.D
 Acq: 24 Sep 2015 21:59

Tgt Ion:188	Resp:	626019
Ion Ratio	Lower	Upper
188	100	
94	10.2	11.1 16.7#
80	10.6	11.0 16.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.46 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

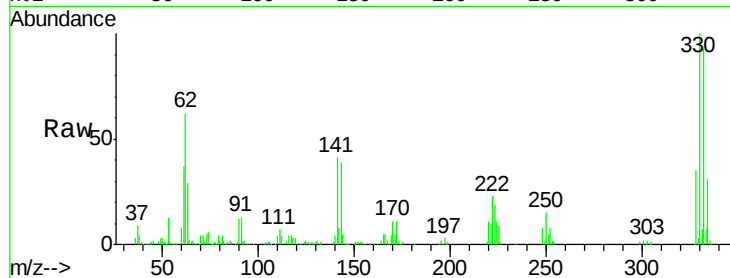
Tot Ion:198 Resp: 942

Ion Ratio Lower Upper

198 100

51 163.9 39.6 79.6#

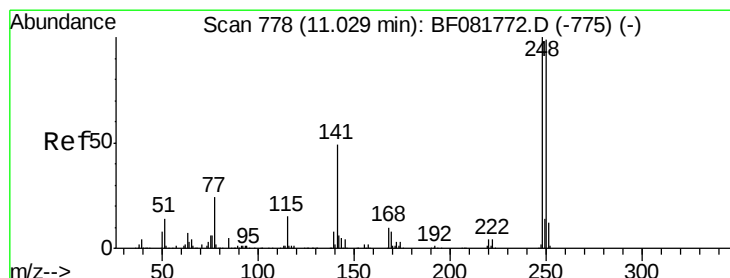
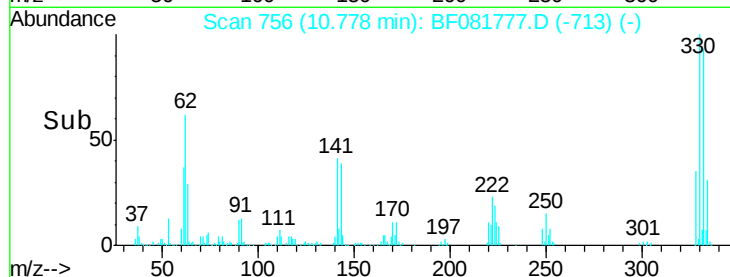
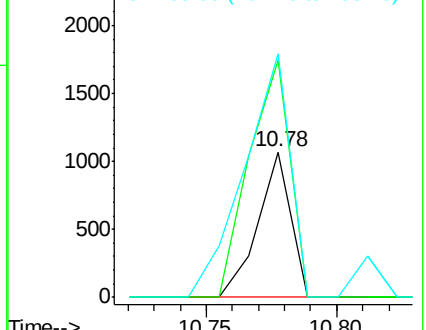
105 167.8 28.5 68.5#



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: 3.10 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

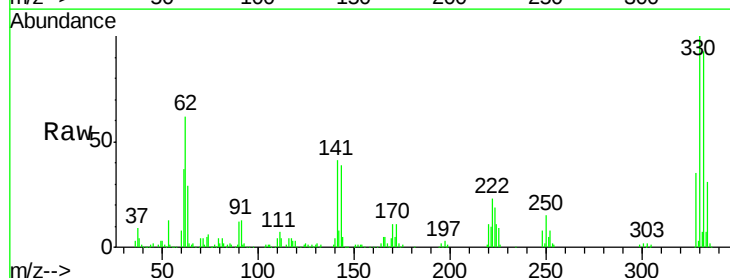
Tgt Ion:248 Resp: 21593

Ion Ratio Lower Upper

248 100

250 195.6 78.5 117.7#

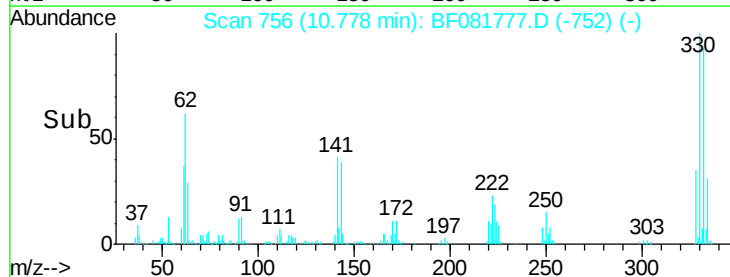
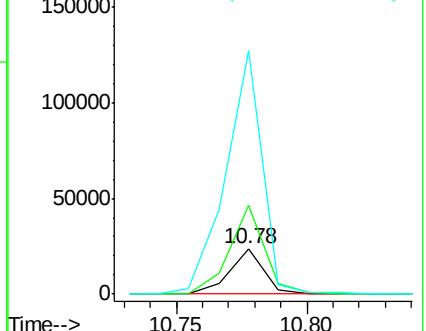
141 536.4 59.0 88.6#

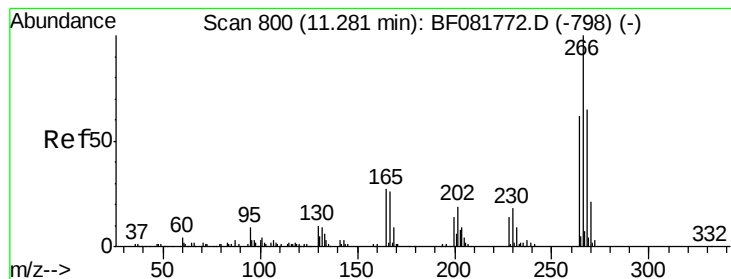


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Pentachlorophenol

Concen: 5.70 ng

RT: 11.27 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

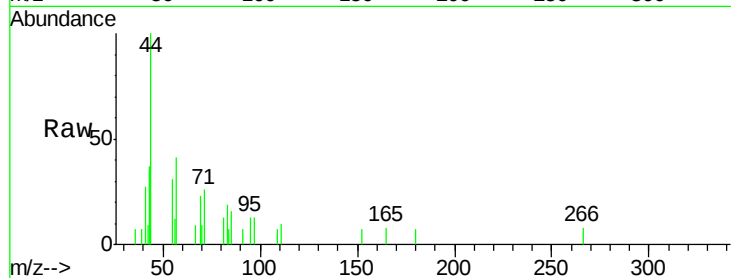
Tot Ion:266 Resp: 232

Ion Ratio Lower Upper

266 100

268 0.0 49.8 74.6#

264 0.0 50.2 75.2#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

11.27

400

300

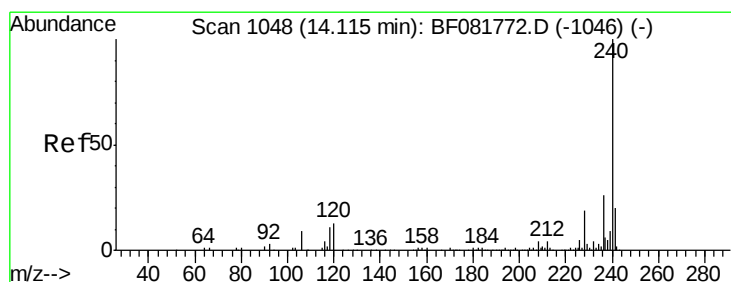
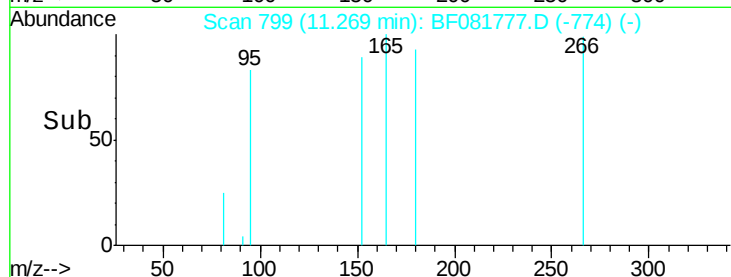
200

100

0

11.25 11.30

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF081777.D

Acq: 24 Sep 2015 21:59

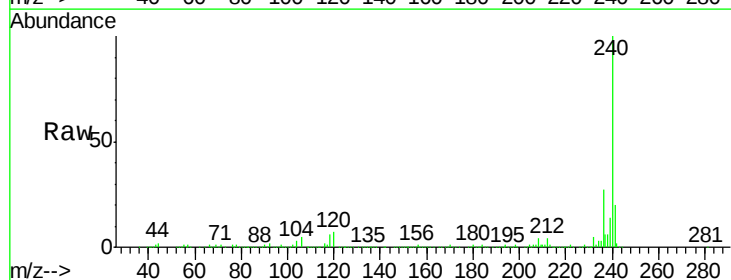
Tgt Ion:240 Resp: 511686

Ion Ratio Lower Upper

240 100

120 7.2 16.2 24.2#

236 26.8 18.4 27.6



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

14.12

600000

500000

400000

300000

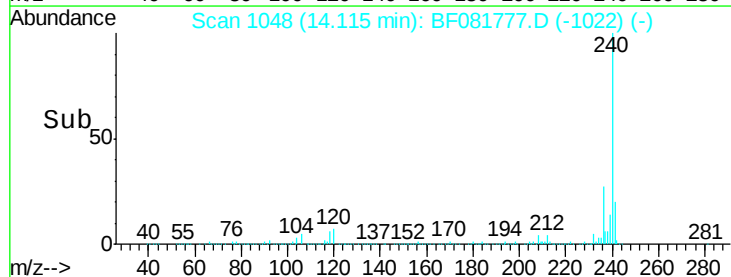
200000

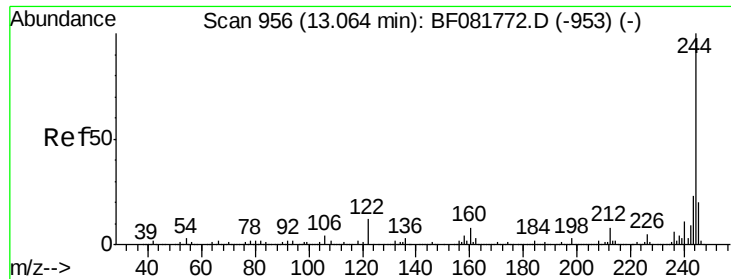
100000

0

14.00 14.10 14.20 14.30

Time-->

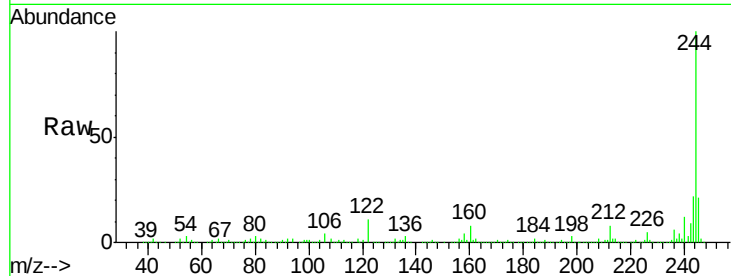




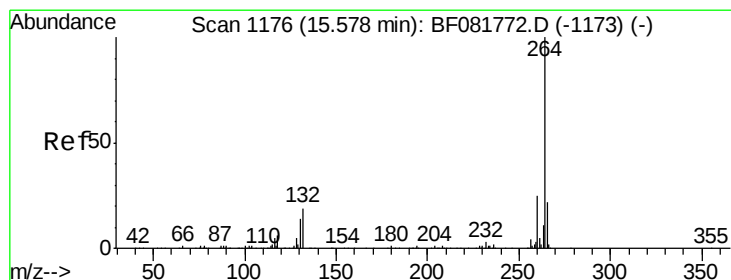
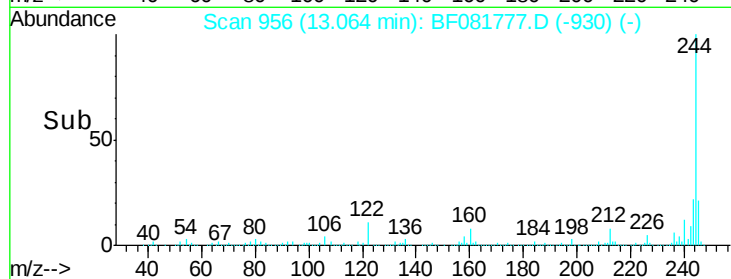
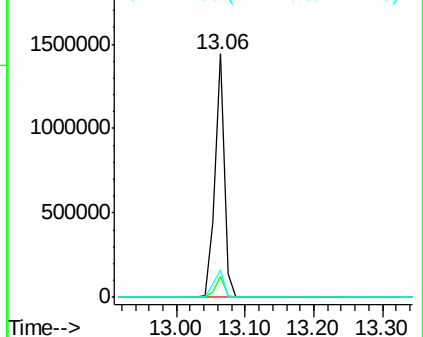
#78
 Terphenyl-d14
 Concen: 62.70 ng
 RT: 13.06 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BF081777.D
 Acq: 24 Sep 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion:244 Resp: 1404415
 Ion Ratio Lower Upper
 244 100
 212 8.4 4.3 6.5#
 122 11.3 17.4 26.2#

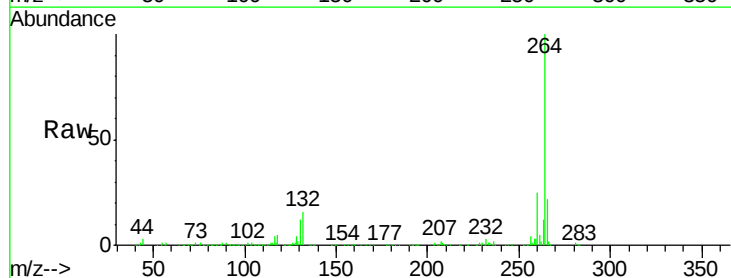


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: BF081777.D
 Acq: 24 Sep 2015 21:59

Tgt Ion:264 Resp: 346998
 Ion Ratio Lower Upper
 264 100
 260 24.9 16.7 25.1
 265 22.0 17.2 25.8



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

