

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083257.D
 Acq On : 25 Nov 2015 1:06
 Operator : UM/IZ
 Sample : G4527-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3(GREASE CYLINDER)

Quant Time: Nov 25 02:35:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

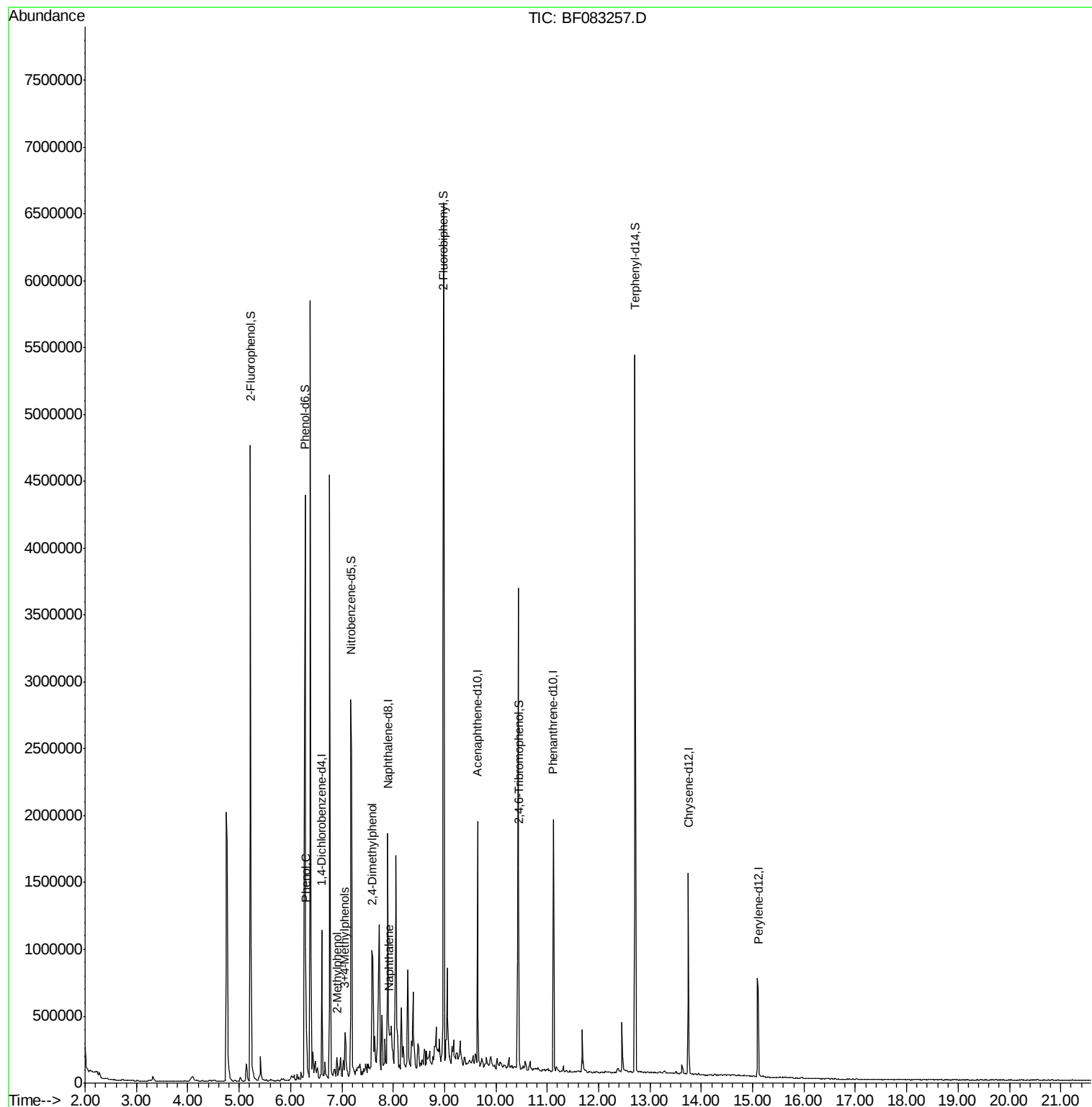
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	179593	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	711396	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	360407	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	652417	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	545844	20.00	ng	-0.06
86) Perylene-d12	15.11	264	403244	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1523920	128.29	ng	-0.06
7) Phenol-d6	6.28	99	2022626	131.60	ng	-0.06
23) Nitrobenzene-d5	7.18	82	1376678	88.43	ng	-0.06
41) 2,4,6-Tribromophenol	10.44	330	479955	130.17	ng	-0.05
44) 2-Fluorobiphenyl	8.98	172	2134937	82.60	ng	-0.05
78) Terphenyl-d14	12.71	244	2075885	89.56	ng	-0.06
Target Compounds						
10) Phenol	6.30	94	42724	2.30	ng	Qvalue 95
17) 2-Methylphenol	6.90	107	32028	3.02	ng	# 86
20) 3+4-Methylphenols	7.06	107	107767	8.03	ng	94
27) 2,4-Dimethylphenol	7.59	122	226519	19.33	ng	93
31) Naphthalene	7.92	128	97676	2.54	ng	99

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

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Quant Time: Nov 25 02:35:40 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration

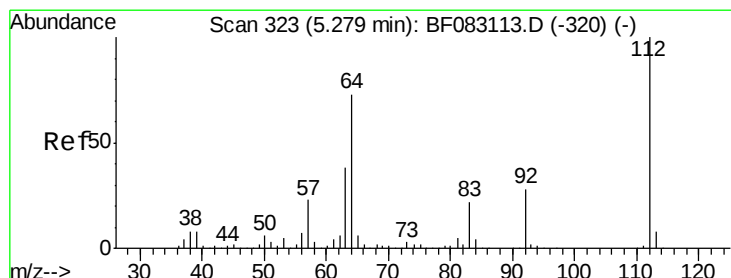
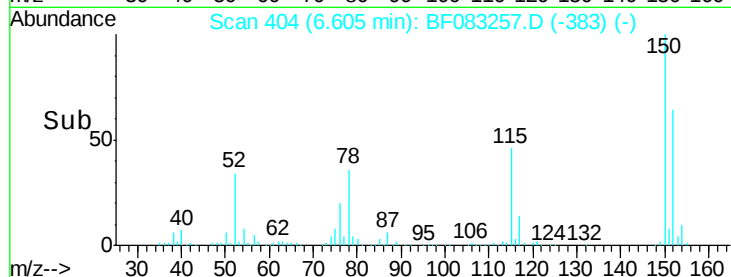
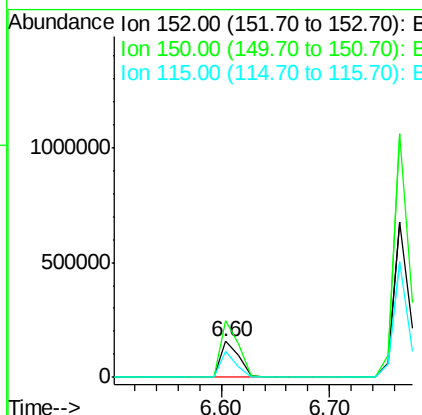
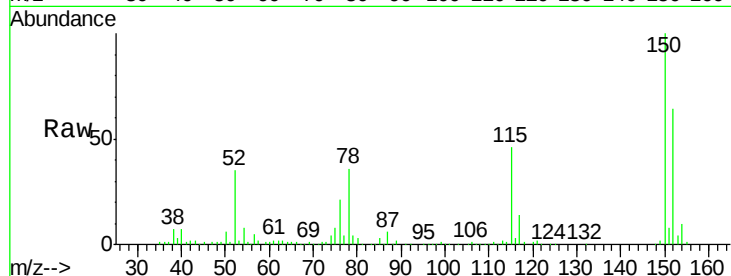




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083257.D
 Acq: 25 Nov 2015 1:06

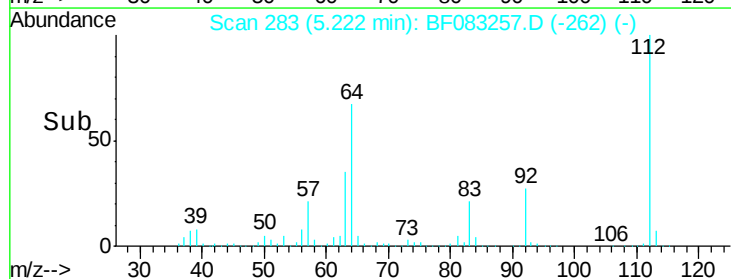
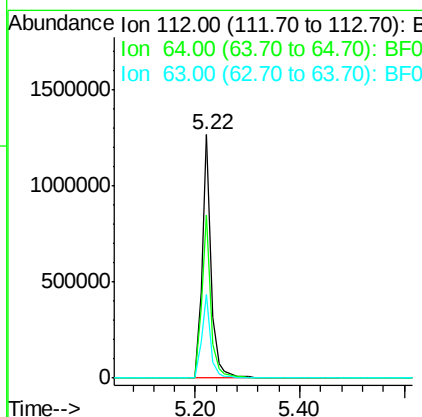
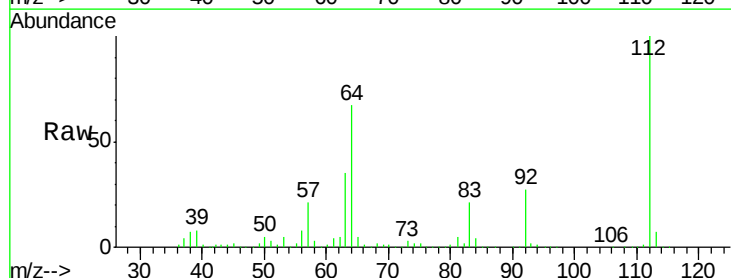
Instrument :
 BNA_F
 ClientSampleId :
 TP3(GREASE CYLINDER)

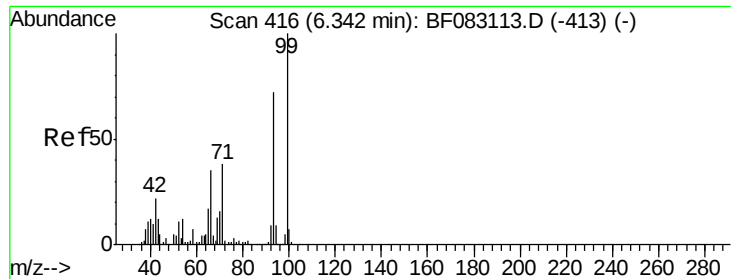
Tgt Ion:152 Resp: 179593
 Ion Ratio Lower Upper
 152 100
 150 156.7 125.8 188.8
 115 71.3 46.9 70.3#



#5
 2-Fluorophenol
 Concen: 128.29 ng
 RT: 5.22 min Scan# 283
 Delta R.T. -0.06 min
 Lab File: BF083257.D
 Acq: 25 Nov 2015 1:06

Tgt Ion:112 Resp: 1523920
 Ion Ratio Lower Upper
 112 100
 64 66.9 58.4 87.6
 63 34.6 30.0 45.0





#7

Phenol-d6

Concen: 131.60 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

Instrument :

BNA_F

ClientSampleId :

TP3(GREASE CYLINDER)

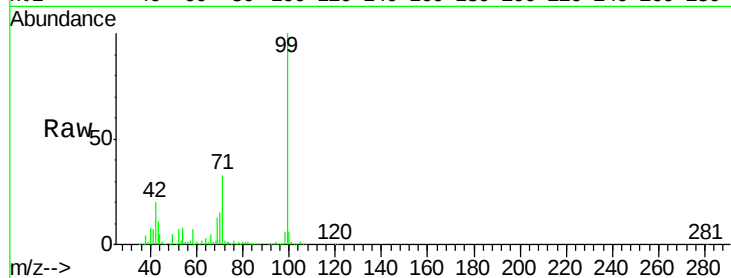
Tgt Ion: 99 Resp: 2022626

Ion Ratio Lower Upper

99 100

42 20.1 17.7 26.5

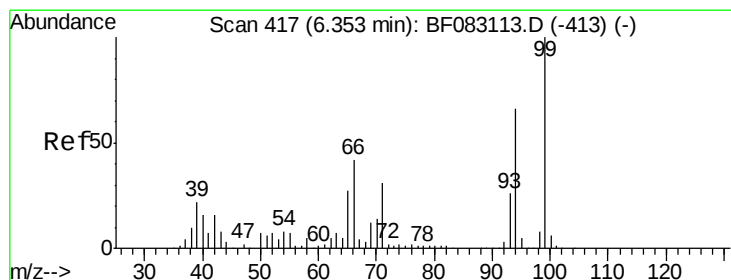
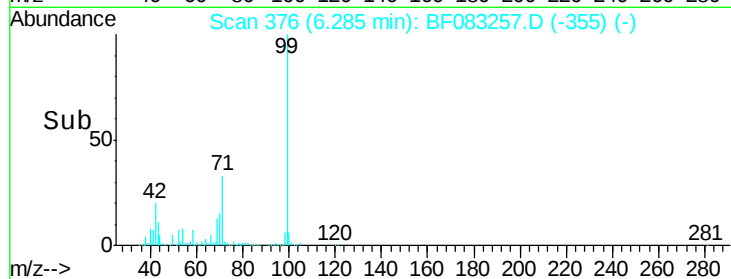
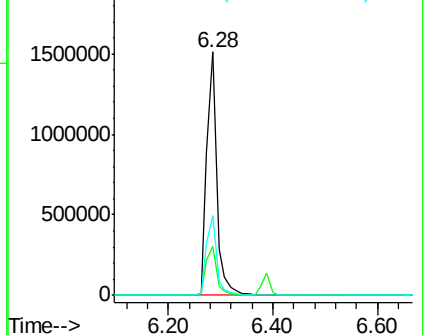
71 33.0 30.2 45.4



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: 2.30 ng

RT: 6.30 min Scan# 377

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

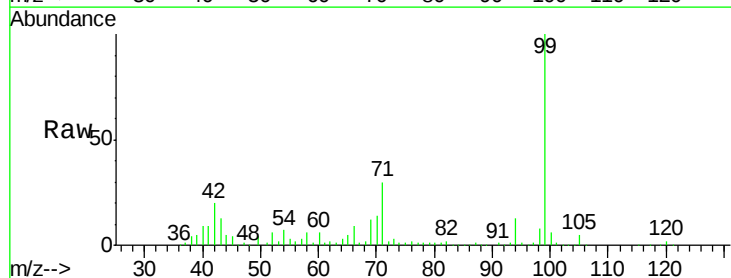
Tgt Ion: 94 Resp: 42724

Ion Ratio Lower Upper

94 100

65 35.8 21.1 61.1

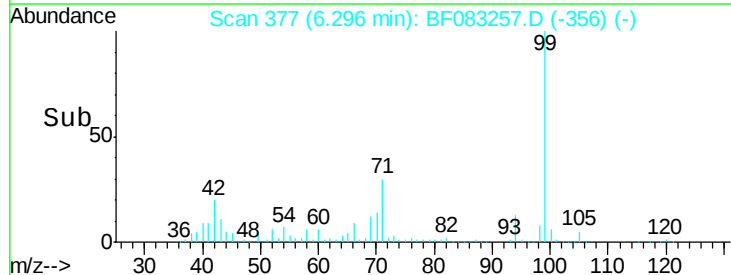
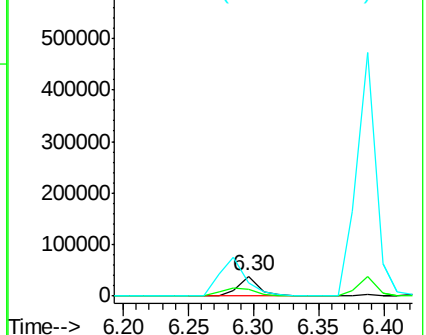
66 64.7 43.1 83.1

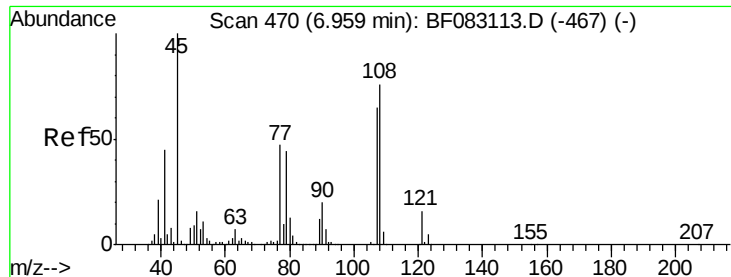


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

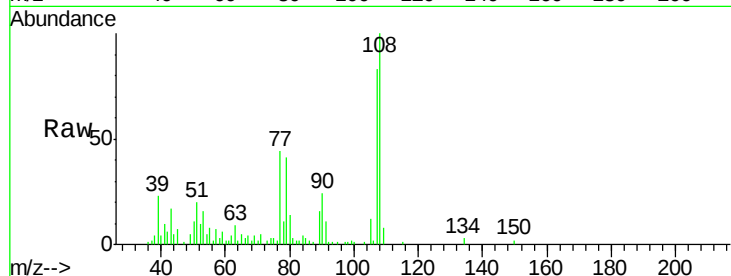




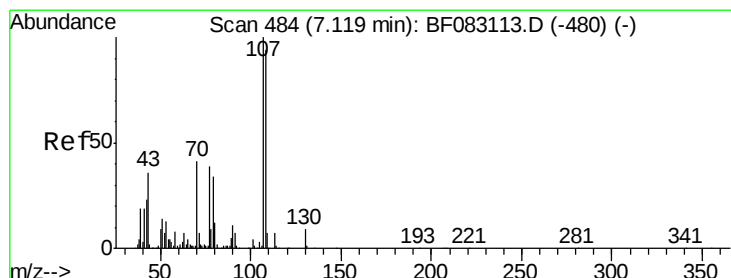
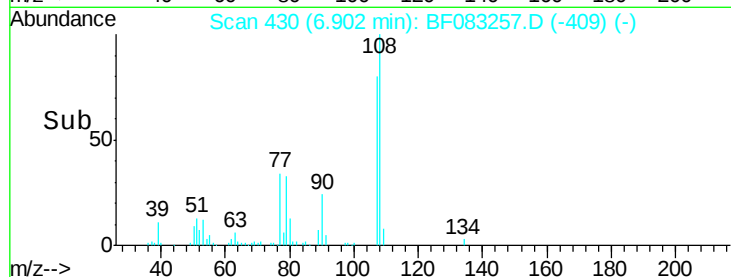
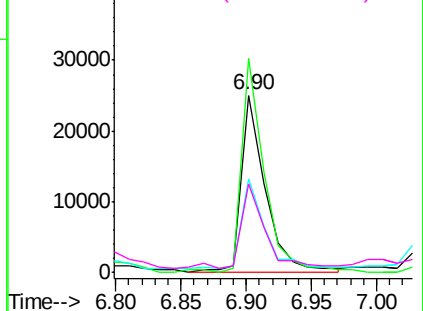
#17
2-Methylphenol
Concen: 3.02 ng
RT: 6.90 min Scan# 430
Delta R.T. -0.06 min
Lab File: BF083257.D
Acq: 25 Nov 2015 1:06

Instrument :
BNA_F
ClientSampleId :
TP3(GREASE CYLINDER)

Tgt Ion:107 Resp: 32028
Ion Ratio Lower Upper
107 100
108 120.9 93.8 140.6
77 53.1 57.4 86.0#
79 49.7 54.4 81.6#



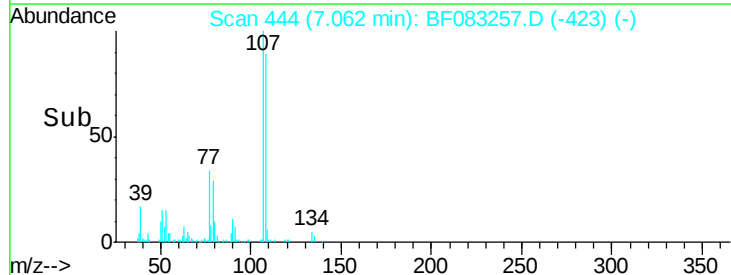
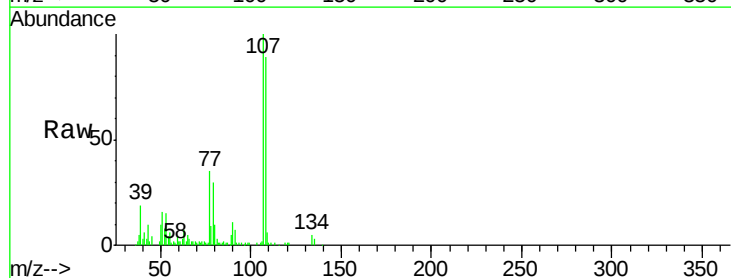
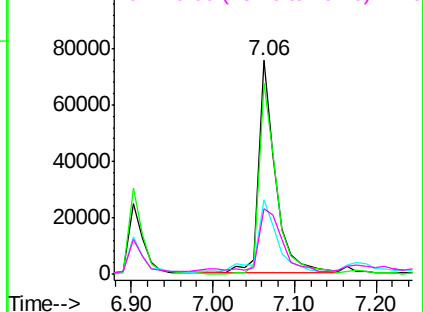
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

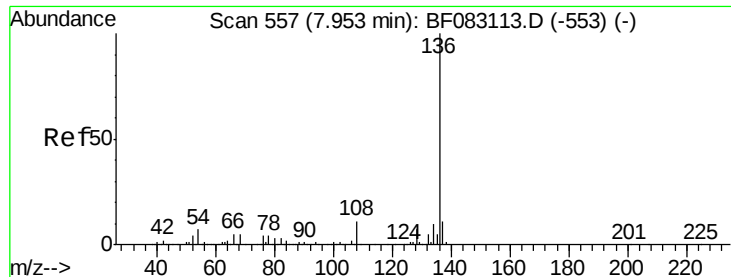


#20
3+4-Methylphenols
Concen: 8.03 ng
RT: 7.06 min Scan# 444
Delta R.T. -0.06 min
Lab File: BF083257.D
Acq: 25 Nov 2015 1:06

Tgt Ion:107 Resp: 107767
Ion Ratio Lower Upper
107 100
108 89.2 73.8 113.8
77 34.6 19.1 59.1
79 30.4 13.7 53.7

Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

Instrument :

BNA_F

ClientSampleId :

TP3(GREASE CYLINDER)

Tgt Ion:136 Resp: 711396

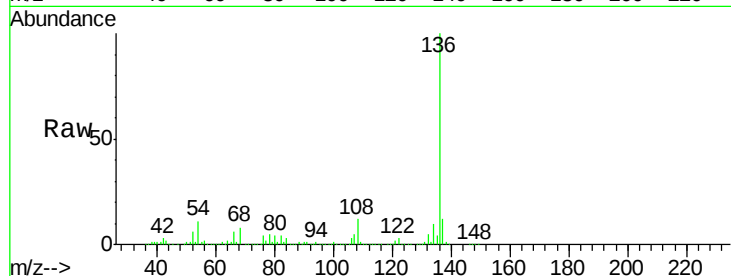
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 11.1 5.8 8.6#

68 7.6 3.8 5.8#

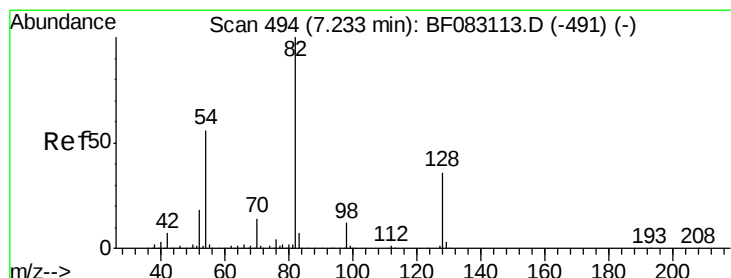
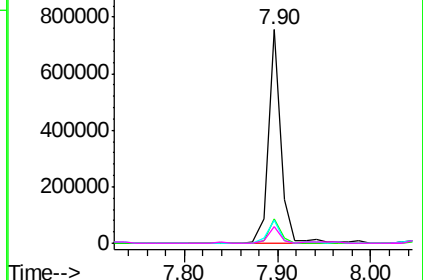
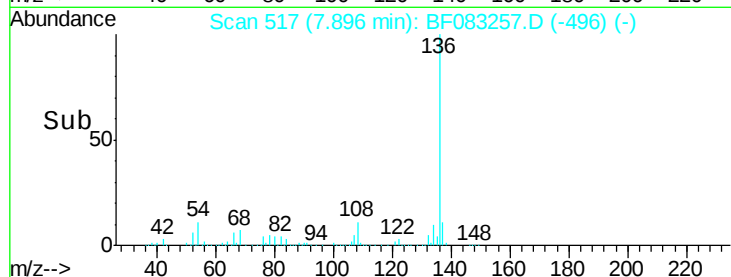


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.43 ng

RT: 7.18 min Scan# 454

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

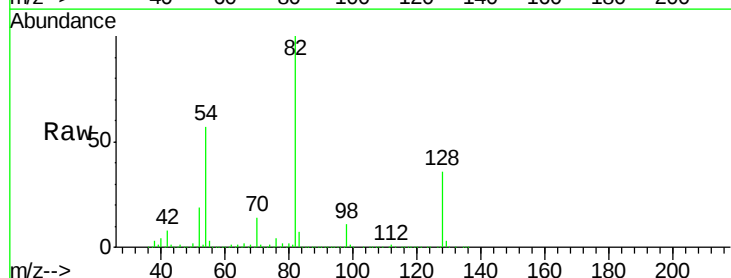
Tgt Ion: 82 Resp: 1376678

Ion Ratio Lower Upper

82 100

128 35.6 28.5 42.7

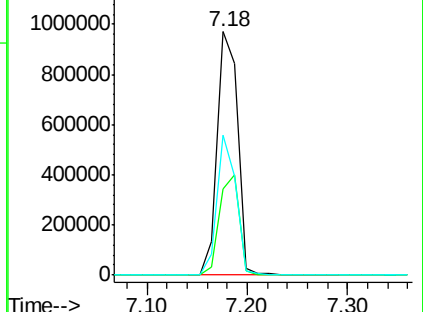
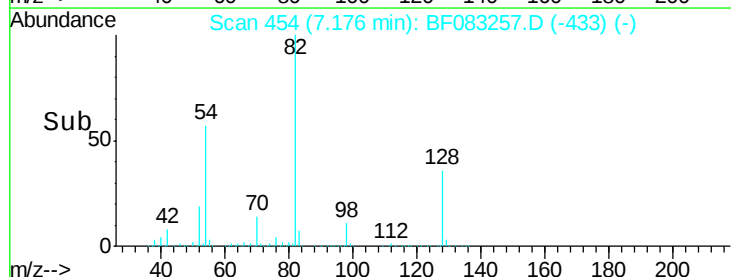
54 57.2 44.6 67.0

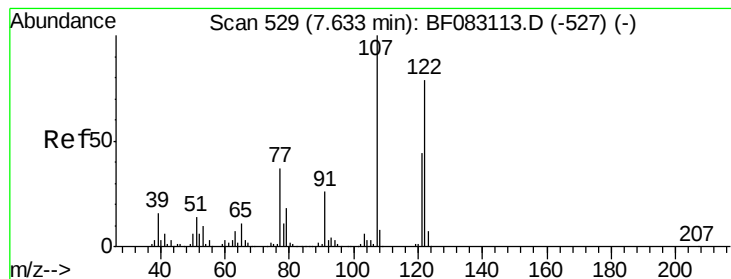


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 19.33 ng

RT: 7.59 min Scan# 490

Delta R.T. -0.05 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

Instrument :

BNA_F

ClientSampleId :

TP3(GREASE CYLINDER)

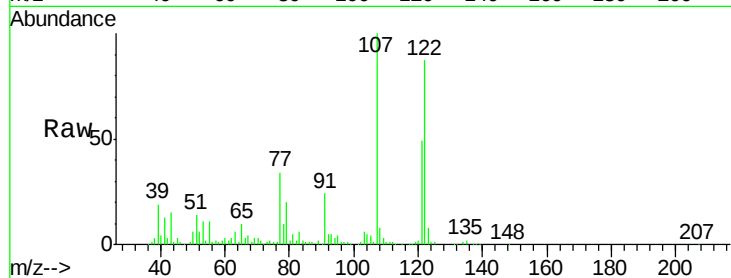
Tgt Ion:122 Resp: 226519

Ion Ratio Lower Upper

122 100

107 114.8 101.1 151.7

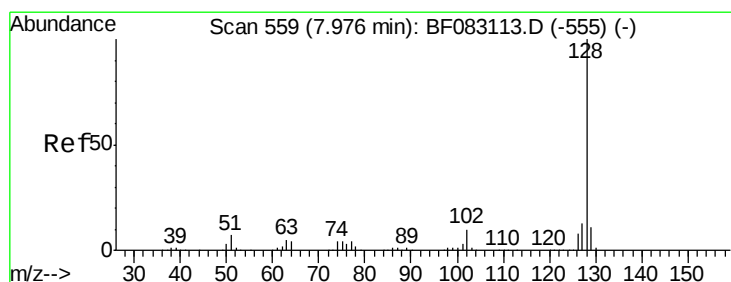
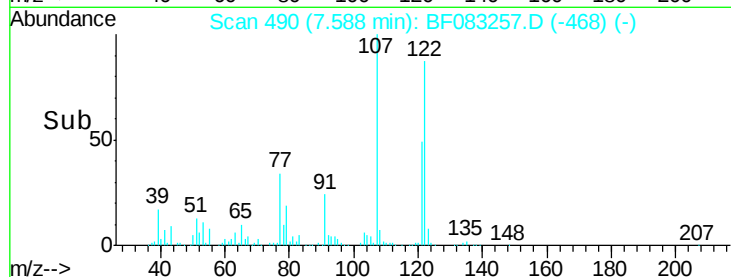
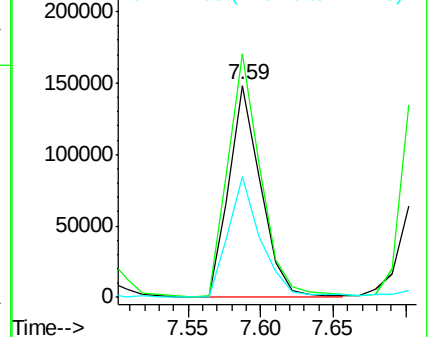
121 56.8 44.9 67.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 2.54 ng

RT: 7.92 min Scan# 519

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

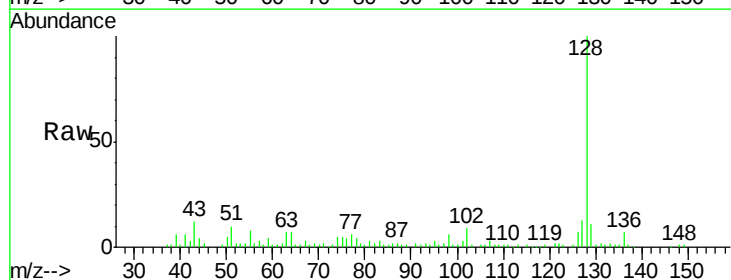
Tgt Ion:128 Resp: 97676

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.4

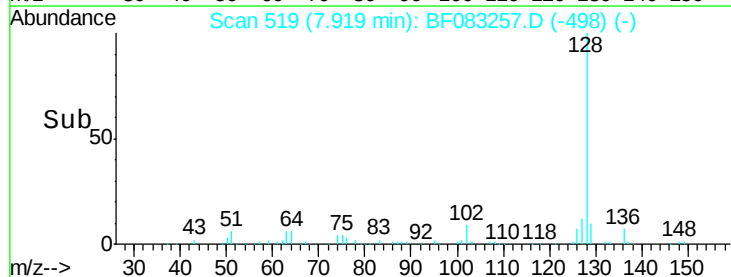
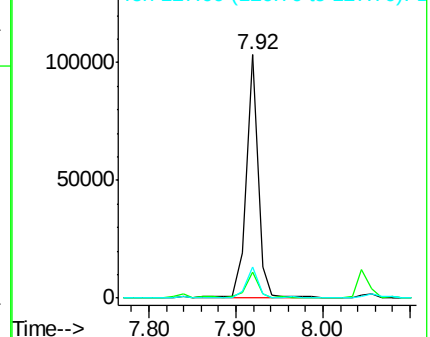
127 12.7 10.6 15.8

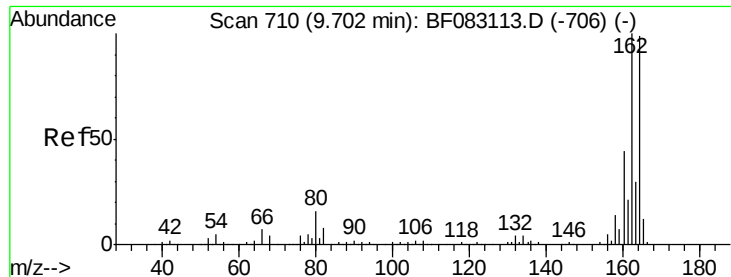


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

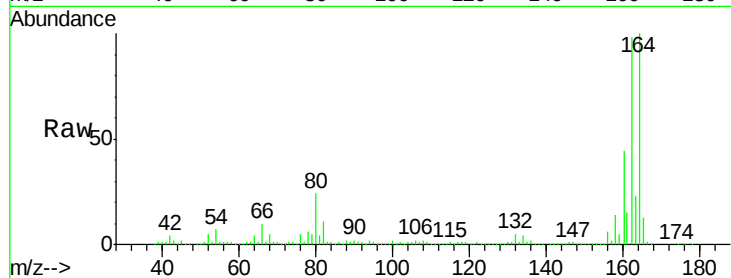




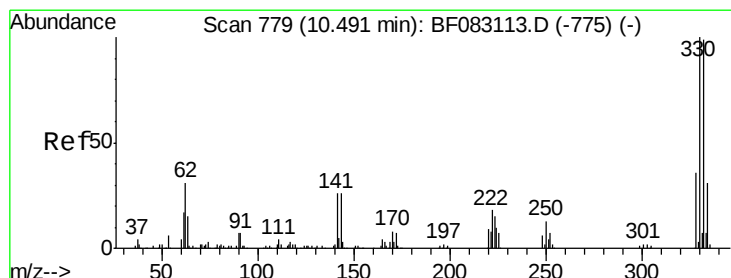
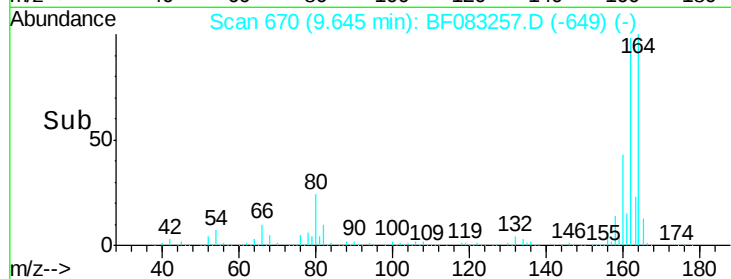
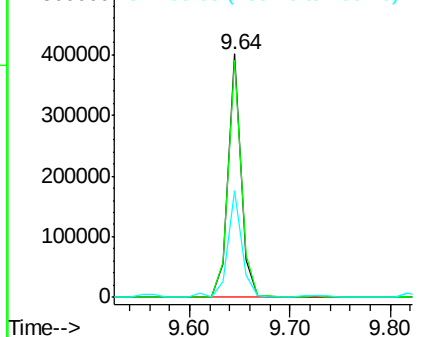
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.06 min
 Lab File: BF083257.D
 Acq: 25 Nov 2015 1:06

Instrument :
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 TP3(GREASE CYLINDER)

Tgt Ion:164 Resp: 360407
 Ion Ratio Lower Upper
 164 100
 162 97.6 81.2 121.8
 160 43.7 35.6 53.4

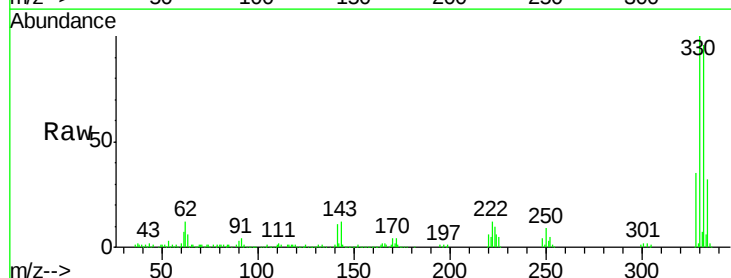


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

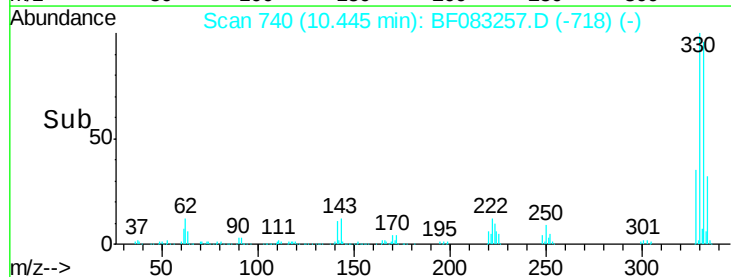
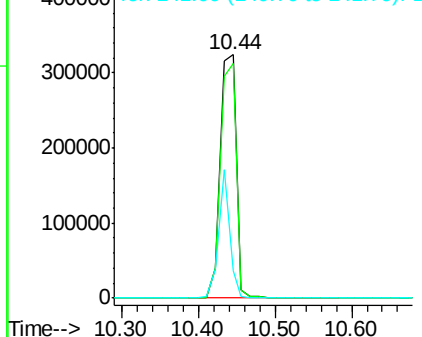


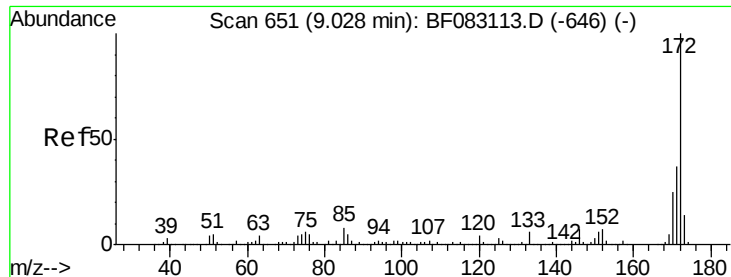
#41
 2,4,6-Tribromophenol
 Concen: 130.17 ng
 RT: 10.44 min Scan# 740
 Delta R.T. -0.05 min
 Lab File: BF083257.D
 Acq: 25 Nov 2015 1:06

Tgt Ion:330 Resp: 479955
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.7 116.5
 141 36.0 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

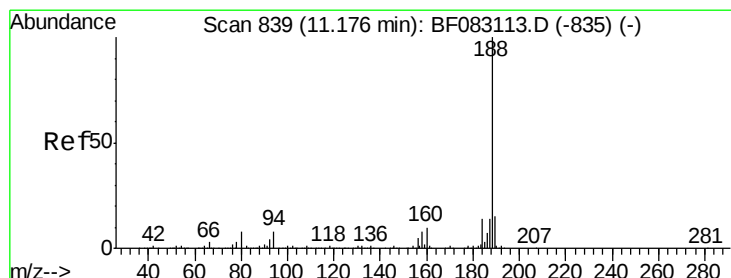
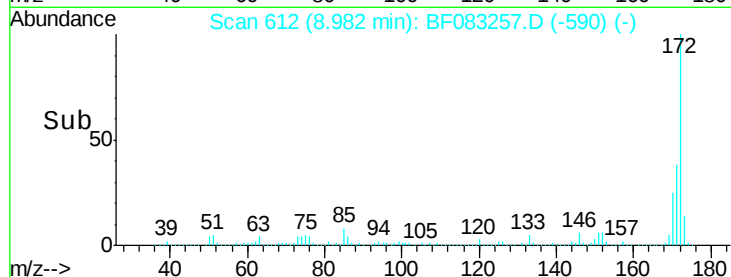
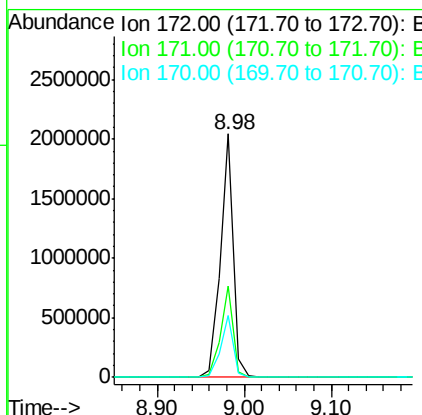
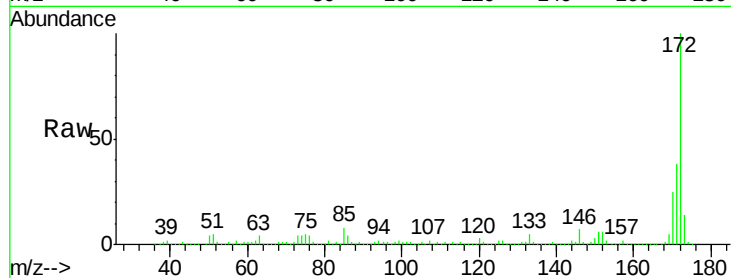




#44
 2-Fluorobiphenyl
 Concen: 82.60 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083257.D
 Acq: 25 Nov 2015 1:06

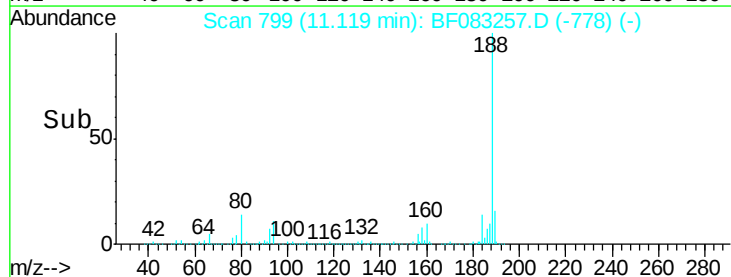
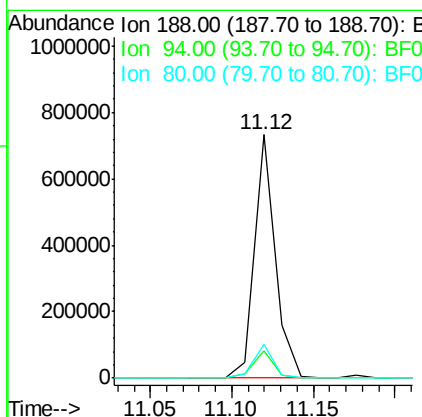
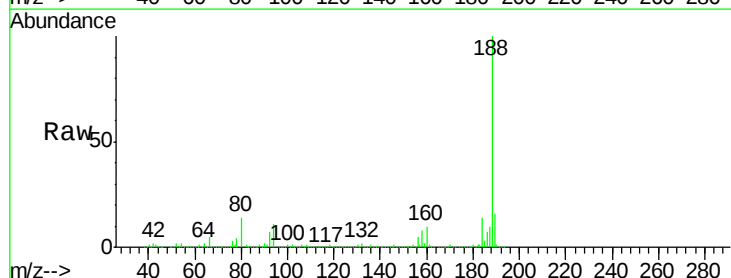
Instrument :
 BNA_F
 ClientSampleId :
 TP3(GREASE CYLINDER)

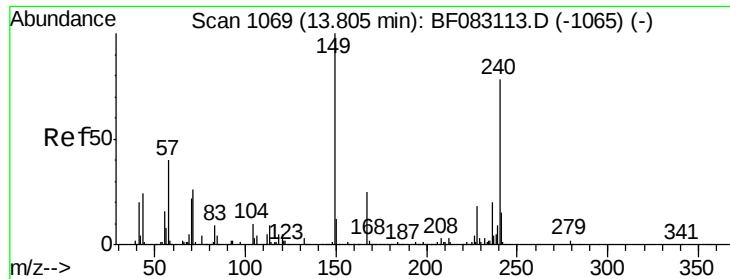
Tgt Ion:172 Resp: 2134937
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.5 44.3
 170 25.5 19.9 29.9



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 799
 Delta R.T. -0.06 min
 Lab File: BF083257.D
 Acq: 25 Nov 2015 1:06

Tgt Ion:188 Resp: 652417
 Ion Ratio Lower Upper
 188 100
 94 11.5 6.0 9.0#
 80 13.6 6.7 10.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

Instrument :

BNA_F

ClientSampleId :

TP3(GREASE CYLINDER)

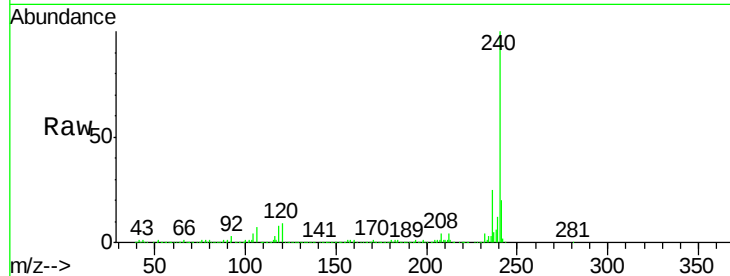
Tgt Ion:240 Resp: 545844

Ion Ratio Lower Upper

240 100

120 9.5 5.4 8.2#

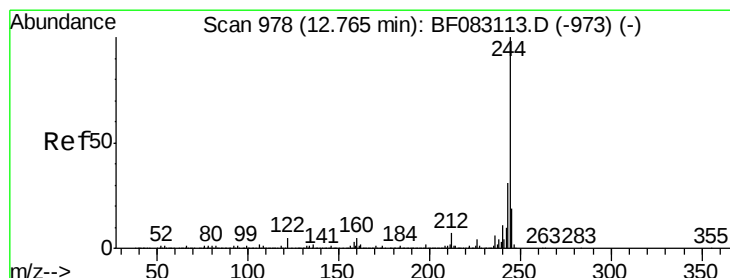
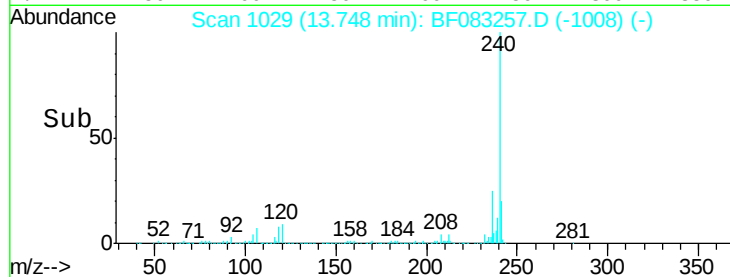
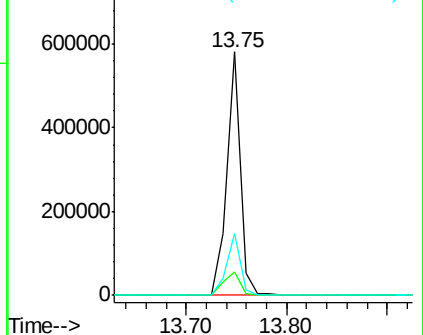
236 25.2 20.6 31.0



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: 89.56 ng

RT: 12.71 min Scan# 938

Delta R.T. -0.06 min

Lab File: BF083257.D

Acq: 25 Nov 2015 1:06

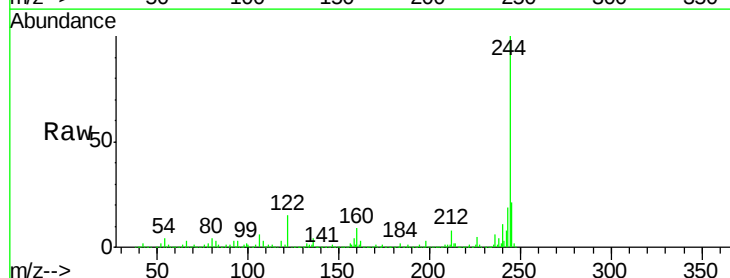
Tgt Ion:244 Resp: 2075885

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

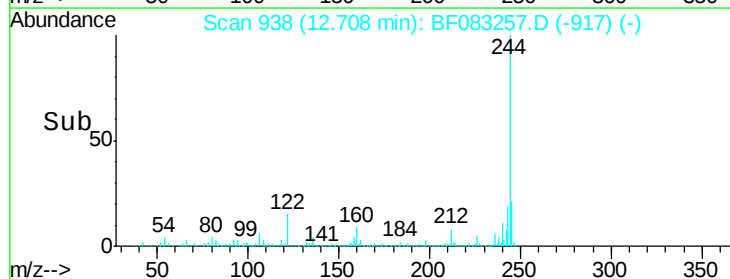
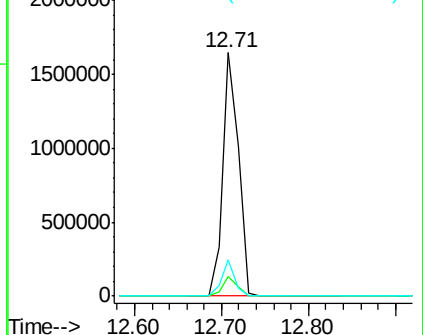
122 14.9 4.3 6.5#

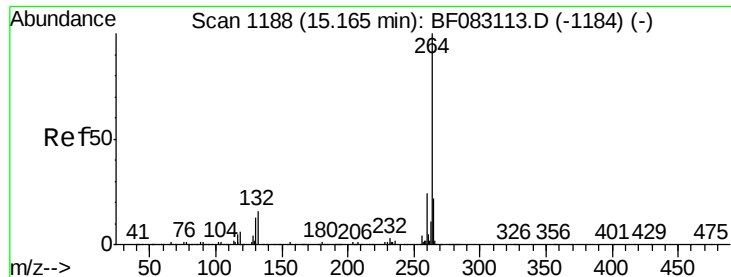


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

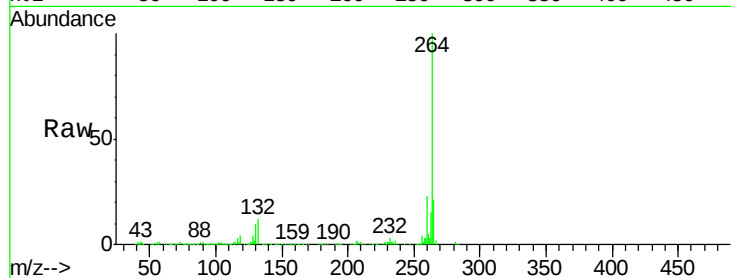




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083257.D
Acq: 25 Nov 2015 1:06

Instrument :
BNA_F
ClientSampleId :
TP3(GREASE CYLINDER)

Tgt Ion: 264 Resp: 403244
Ion Ratio Lower Upper
264 100
260 22.9 19.1 28.7
265 21.0 18.2 27.4



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

