

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097624.D
 Acq On : 12 Aug 2017 7:09
 Operator : SJ/JU
 Sample : I4704-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-5-OILY-GRAVEL

Quant Time: Aug 14 01:00:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

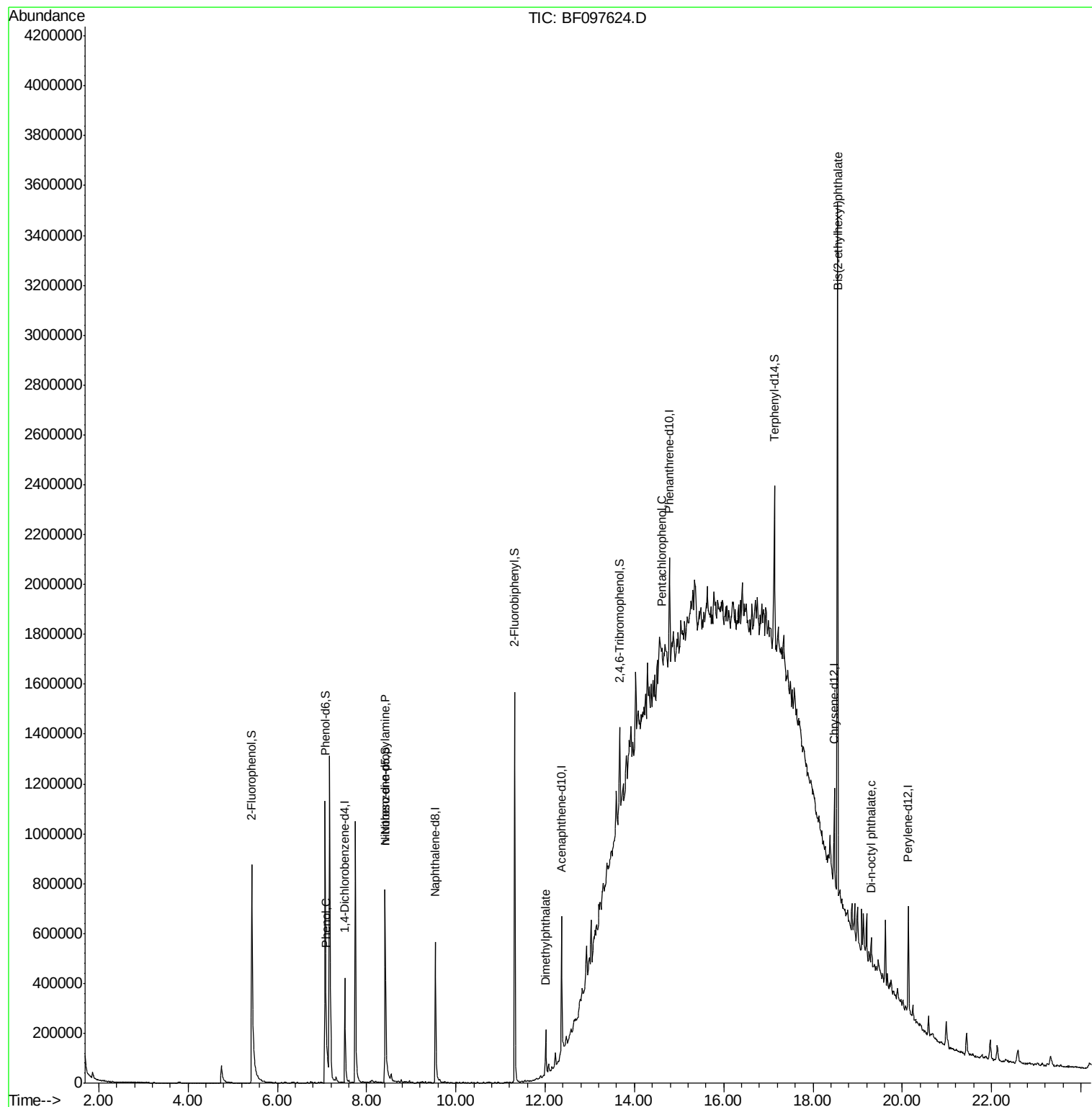
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	98192	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	393544	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	158941	20.00	ng	0.00
63) Phenanthrene-d10	14.78	188	183343	20.00	ng	0.02
75) Chrysene-d12	18.47	240	186026	20.00	ng	0.01
86) Perylene-d12	20.13	264	186595	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	543190	87.93	ng	0.02
7) Phenol-d6	7.07	99	681203	88.89	ng	0.01
23) Nitrobenzene-d5	8.42	82	403700	64.32	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	82600	68.36	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	666470	63.28	ng	0.00
78) Terphenyl-d14	17.13	244	340118	37.84	ng	0.01
Target Compounds						
10) Phenol	7.09	94	22672	2.70	ng	# 58
19) n-Nitroso-di-n-propylamine	8.42	70	52275	9.81	ng	# 86
49) Dimethylphthalate	12.01	163	104746	8.55	ng	99
69) Pentachlorophenol	14.63	266	744	9.78	ng	# 30
83) Bis(2-ethylhexyl)phthalate	18.55	149	1134735	124.06	ng	99
84) Di-n-octyl phthalate	19.30	149	52558	3.29	ng	# 28

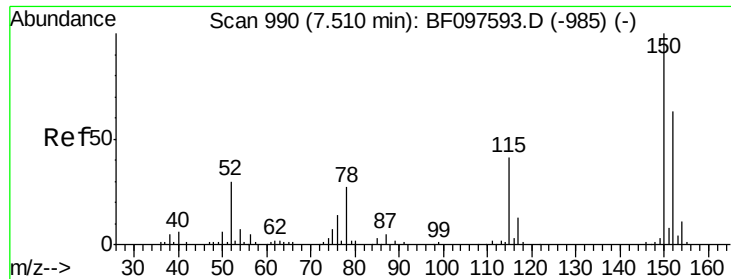
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF097624.D

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Instrument :

BNA_F

ClientSampleId :

DRUM-5-OILY-GRAVEL

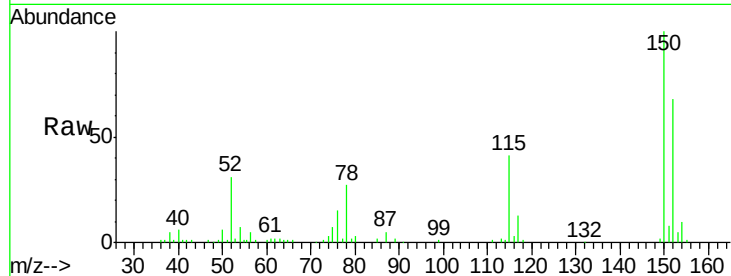
Tot Ion:152 Resp: 98192

Ion Ratio Lower Upper

152 100

150 147.0 126.2 189.2

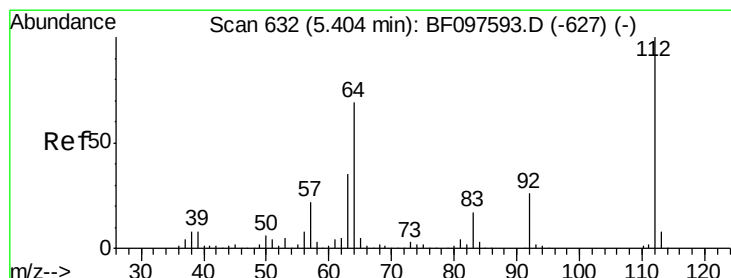
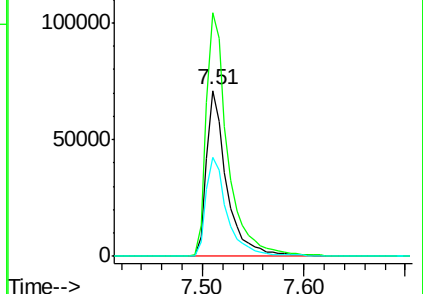
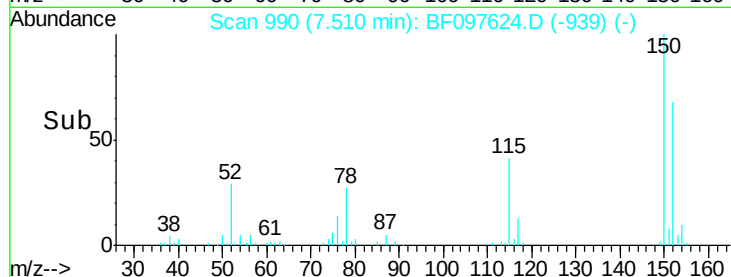
115 60.1 52.2 78.2



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: 87.93 ng

RT: 5.43 min Scan# 636

Delta R.T. 0.02 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

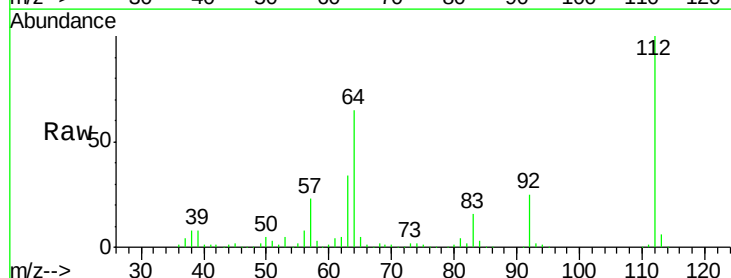
Tgt Ion:112 Resp: 543190

Ion Ratio Lower Upper

112 100

64 64.6 46.0 69.0

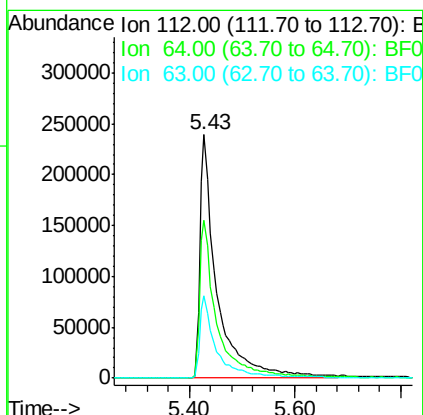
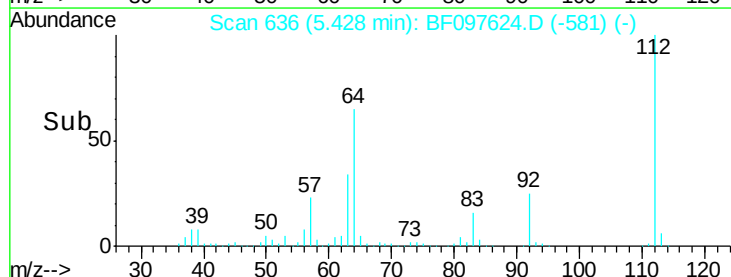
63 33.7 23.4 35.0

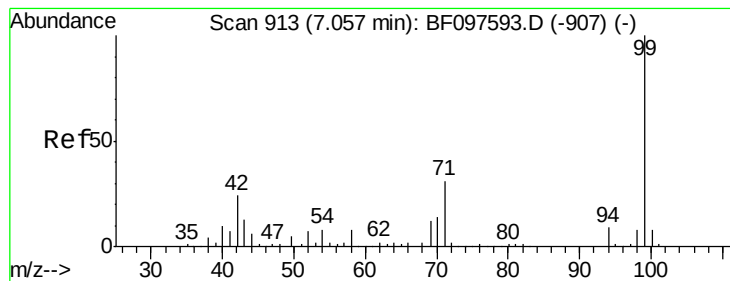


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.89 ng

RT: 7.07 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

Instrument :

BNA_F

ClientSampleId :

DRUM-5-OILY-GRAVEL

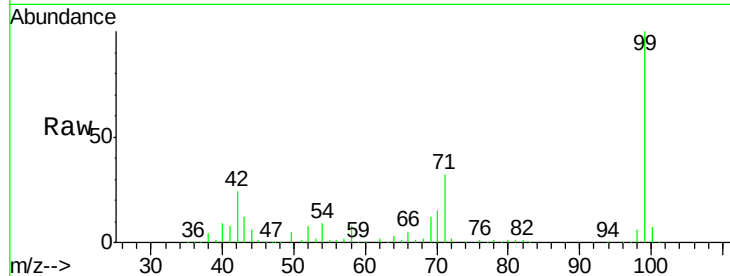
Tot Ion: 99 Resp: 681203

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

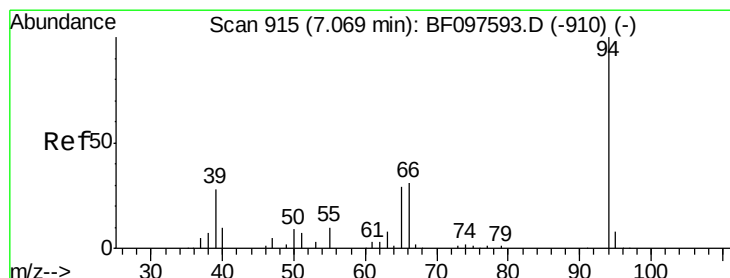
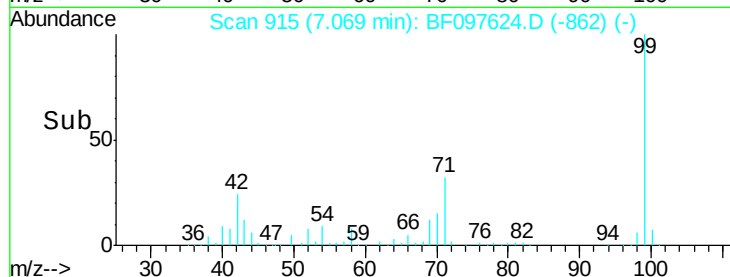
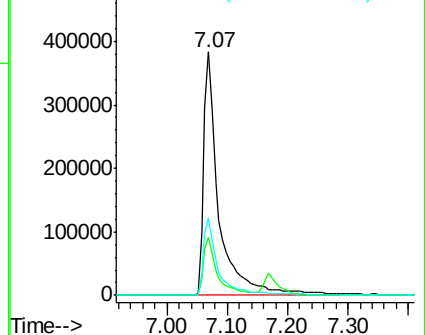
71 31.9 24.5 36.7



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: 2.70 ng

RT: 7.09 min Scan# 919

Delta R.T. 0.02 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

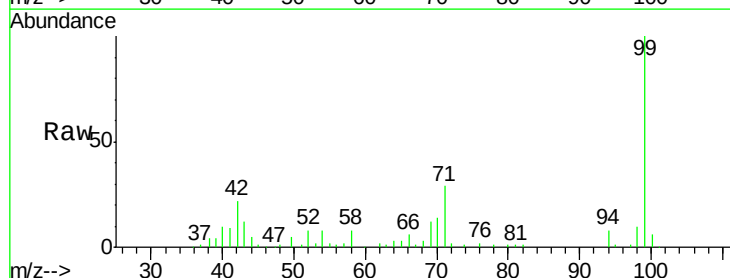
Tgt Ion: 94 Resp: 22672

Ion Ratio Lower Upper

94 100

65 39.5 9.9 49.9

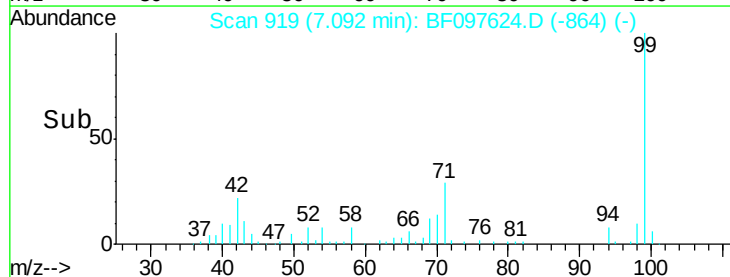
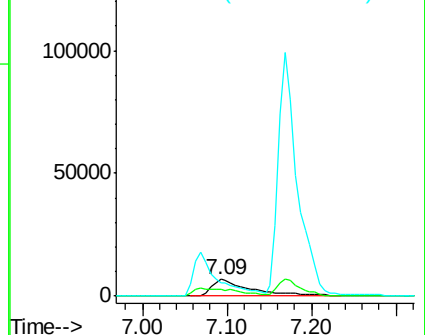
66 81.2 23.1 63.1#

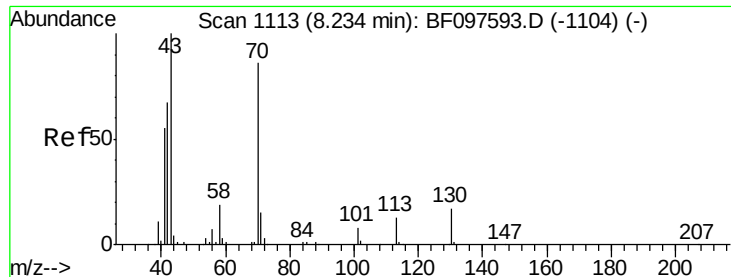


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

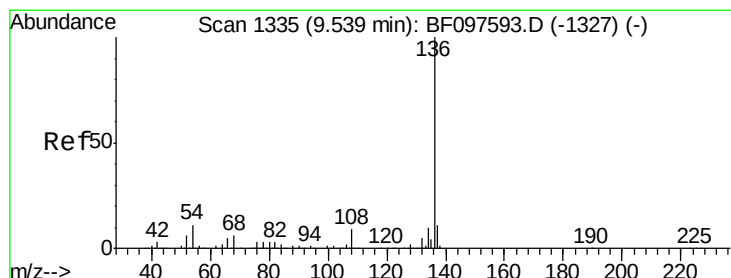
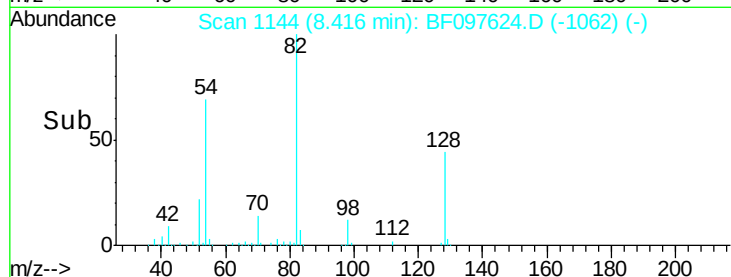
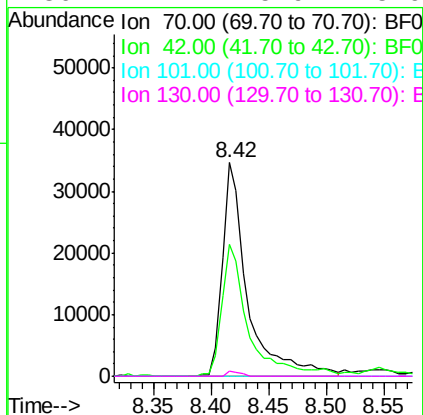
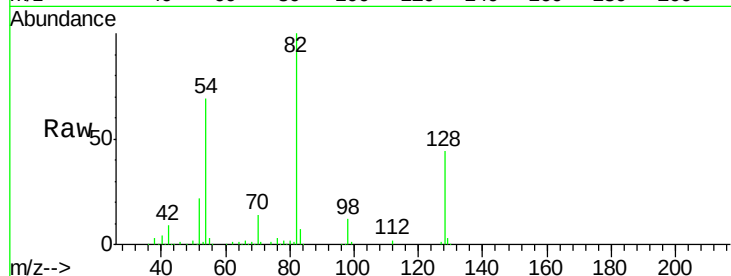




#19
 n-Nitroso-di-n-propylamine
 Concen: 9.81 ng
 RT: 8.42 min Scan# 1144
 Delta R.T. 0.18 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

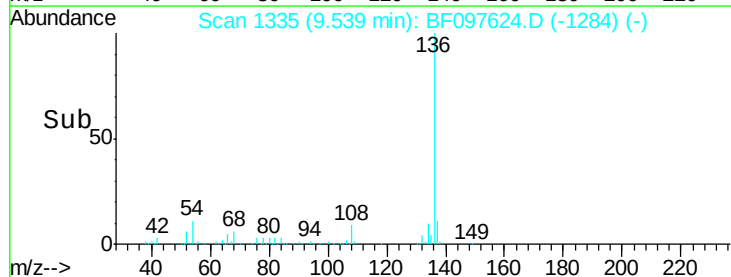
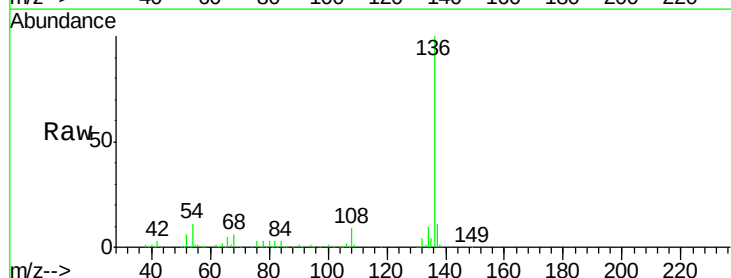
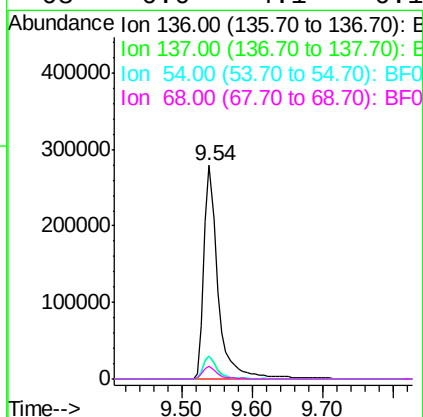
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-5-OILY-GRAVEL

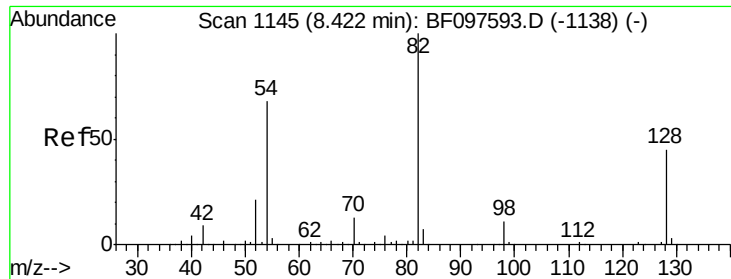
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	61.5	47.2	70.8	
101	0.0	7.2	10.8	
130	2.2	15.9	23.9	



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.54 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	10.5	4.9	7.3	
68	6.0	4.1	6.1	

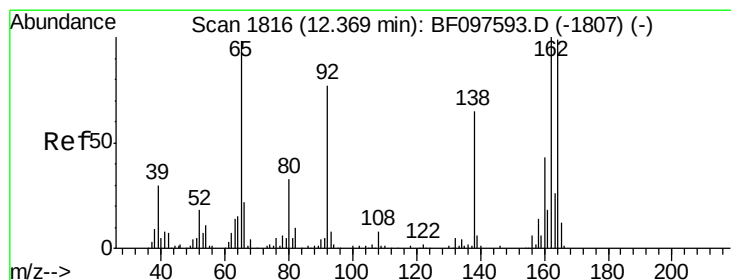
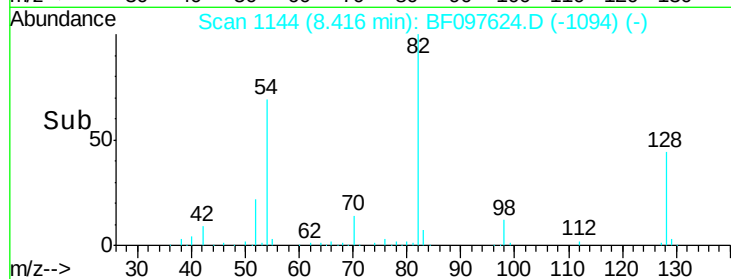
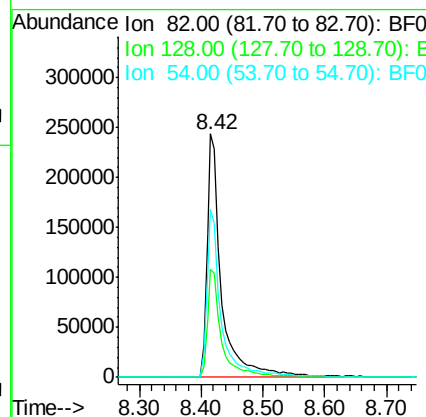
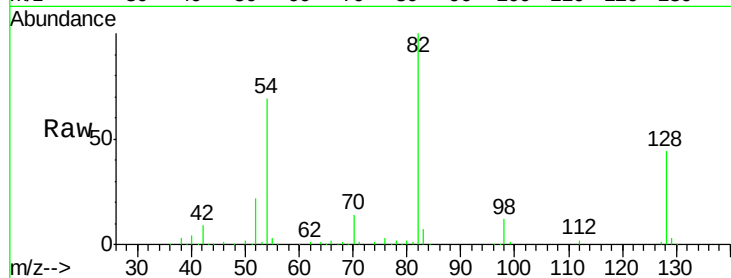




#23
 Nitrobenzene-d5
 Concen: 64.32 ng
 RT: 8.42 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

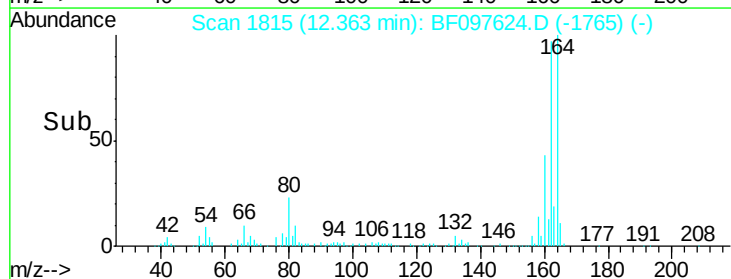
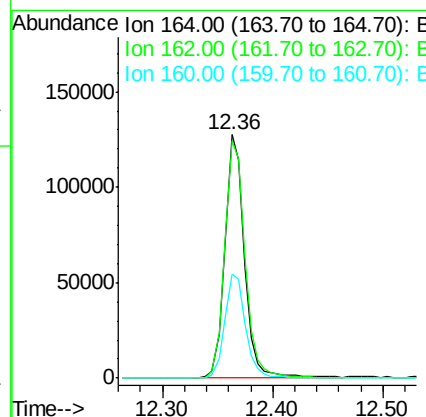
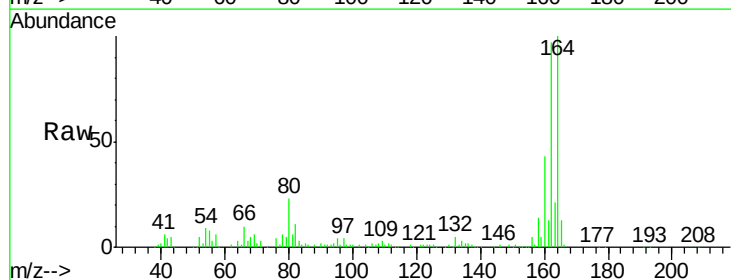
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-5-OILY-GRAVEL

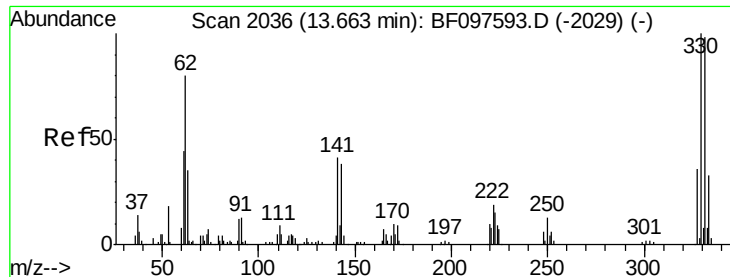
Tot Ion: 82 Resp: 403700
 Ion Ratio Lower Upper
 82 100
 128 44.2 34.0 51.0
 54 68.8 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.36 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

Tgt Ion:164 Resp: 158941
 Ion Ratio Lower Upper
 164 100
 162 97.5 82.6 123.8
 160 42.7 36.2 54.2

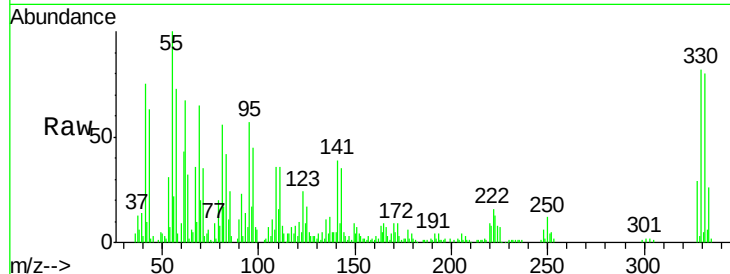




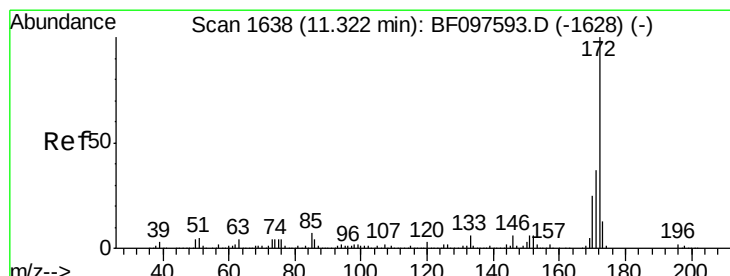
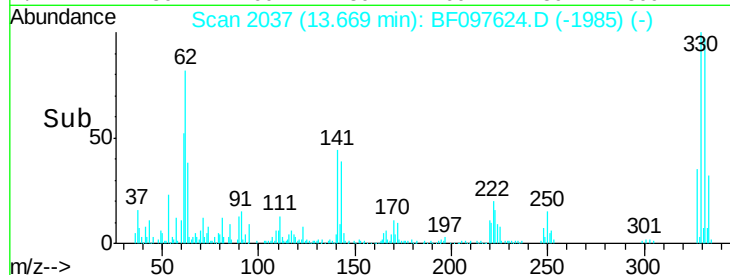
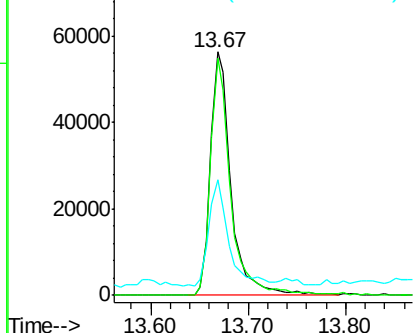
#41
 2,4,6-Tribromophenol
 Concen: 68.36 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-5-OILY-GRAVEL

Tot Ion:330 Resp: 82600
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.6 115.0
 141 41.4 31.4 47.2

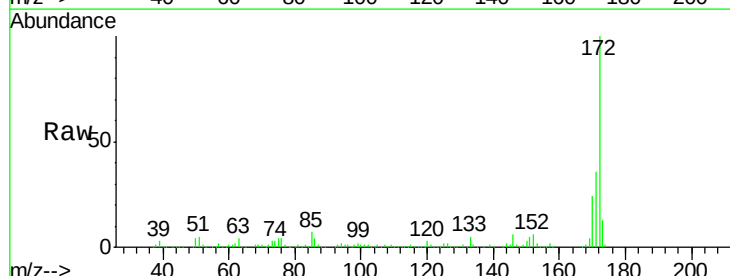


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

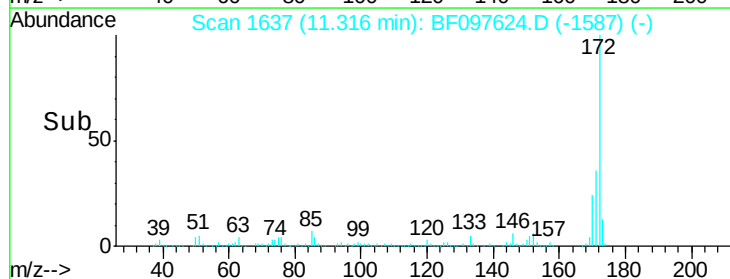
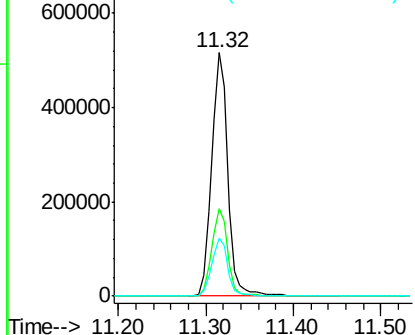


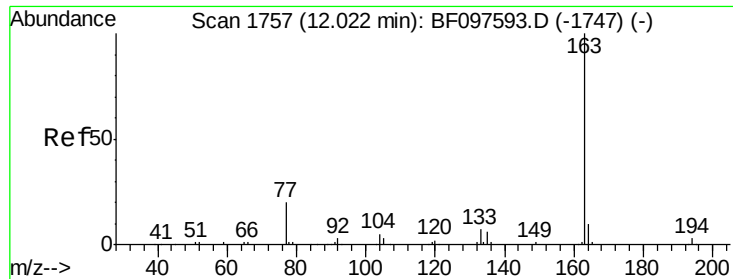
#44
 2-Fluorobiphenyl
 Concen: 63.28 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

Tgt Ion:172 Resp: 666470
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.8 19.8 29.8



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

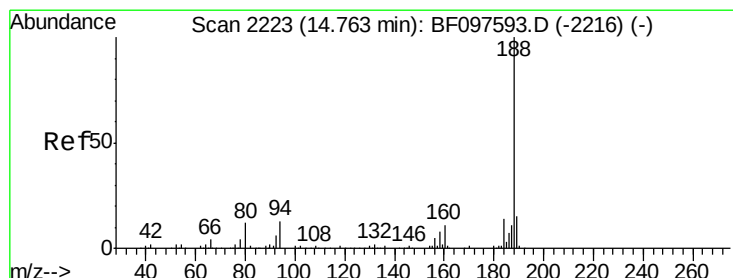
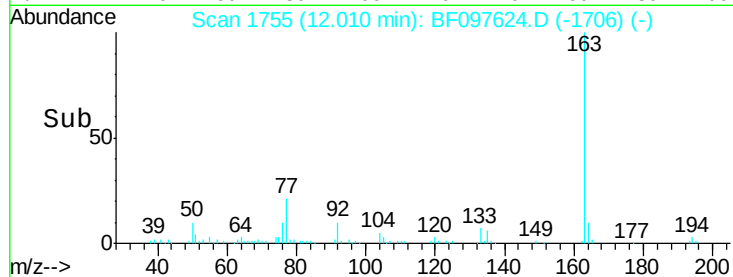
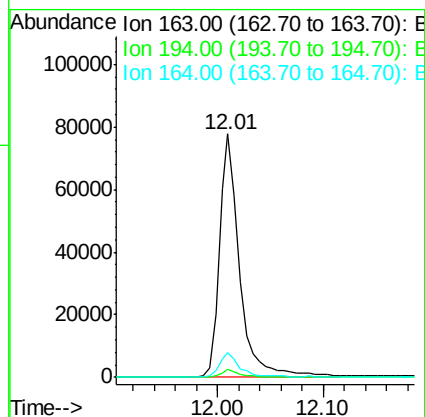
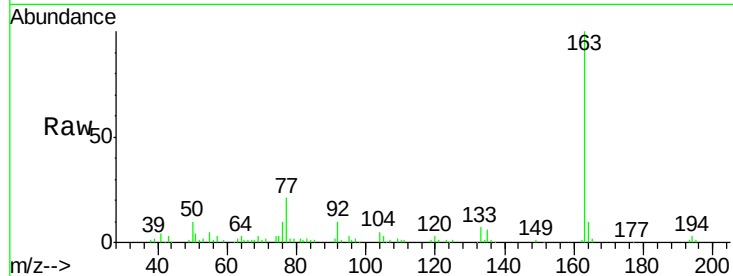




#49
Dimethylphthalate
Concen: 8.55 ng
RT: 12.01 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF097624.D
Acq: 12 Aug 2017 7:09

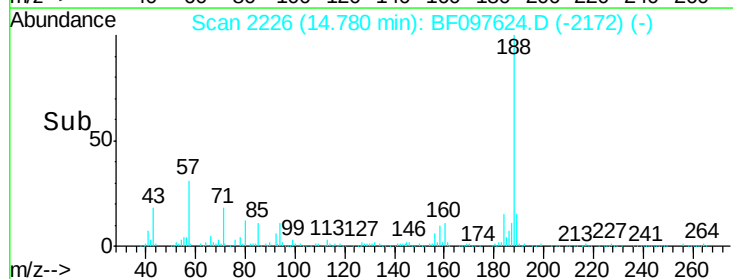
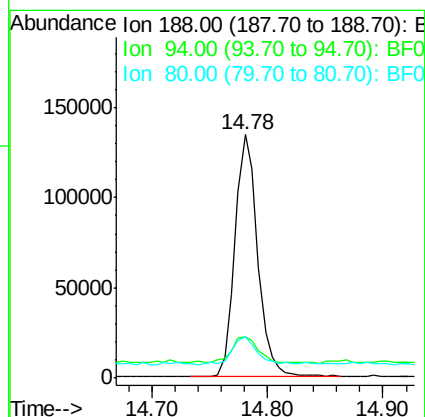
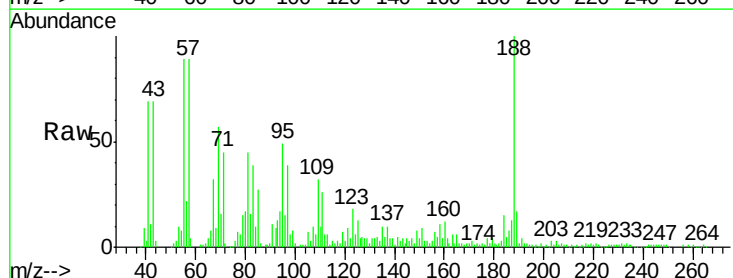
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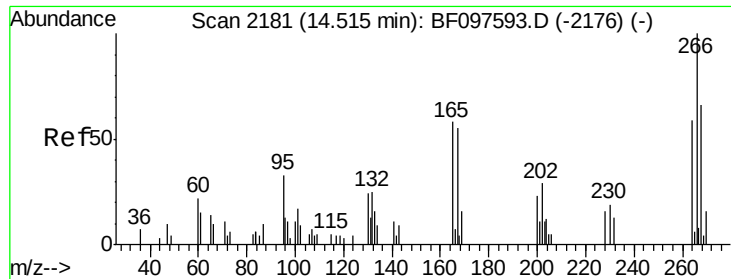
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.3	8.4	12.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 2226
Delta R.T. 0.02 min
Lab File: BF097624.D
Acq: 12 Aug 2017 7:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.2	9.4	14.2#
80	17.3	10.2	15.2#

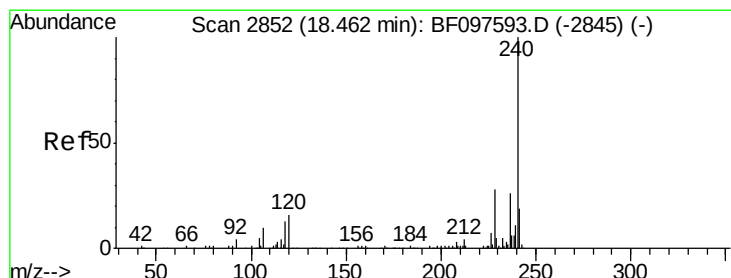
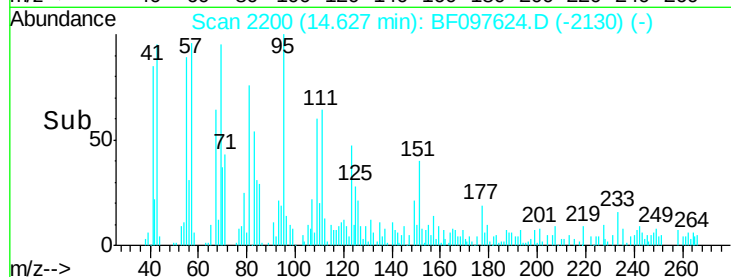
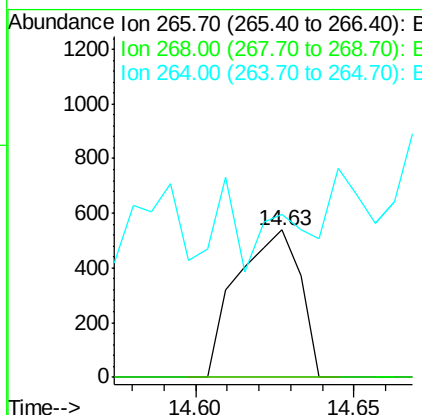
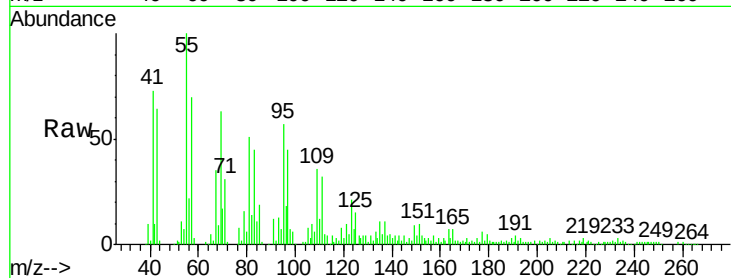




#69
 Pentachlorophenol
 Concen: 9.78 ng
 RT: 14.63 min Scan# 2200
 Delta R.T. 0.11 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

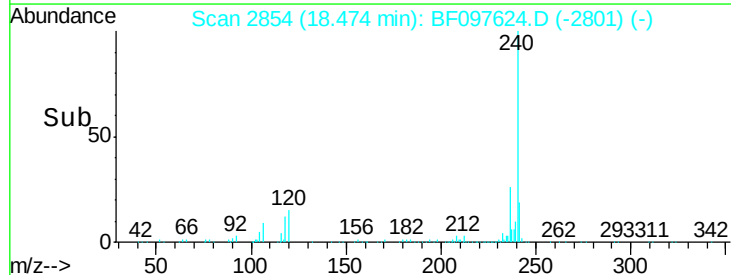
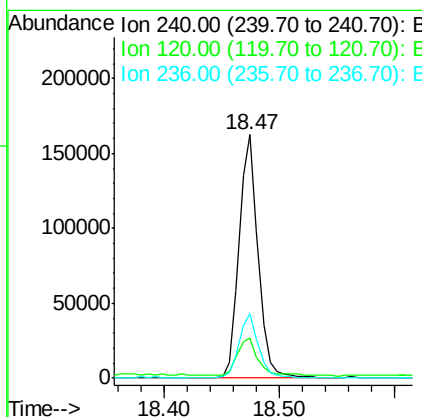
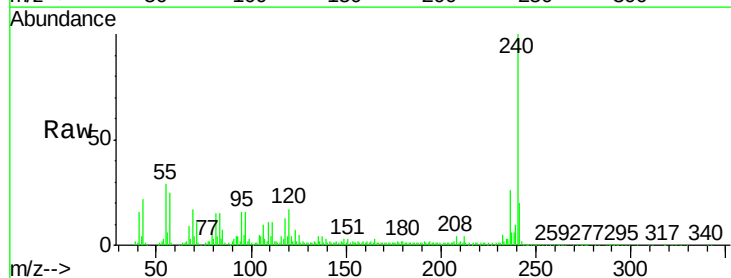
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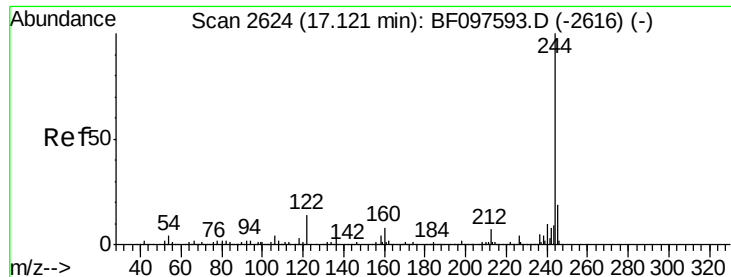
Tot Ion:266 Resp: 744
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 110.8 51.7 77.5#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.47 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: BF097624.D
 Acq: 12 Aug 2017 7:09

Tgt Ion:240 Resp: 186026
 Ion Ratio Lower Upper
 240 100
 120 16.6 5.8 8.8#
 236 26.5 20.5 30.7





#78

Terphenyl-d14

Concen: 37.84 ng

RT: 17.13 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

Instrument :

BNA_F

ClientSampleId :

DRUM-5-OILY-GRAVEL

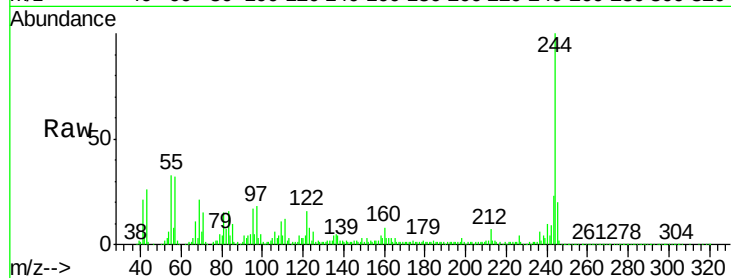
Tot Ion:244 Resp: 340118

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 15.8 10.3 15.5#

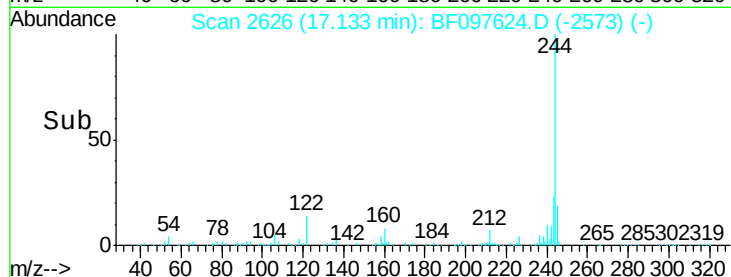


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



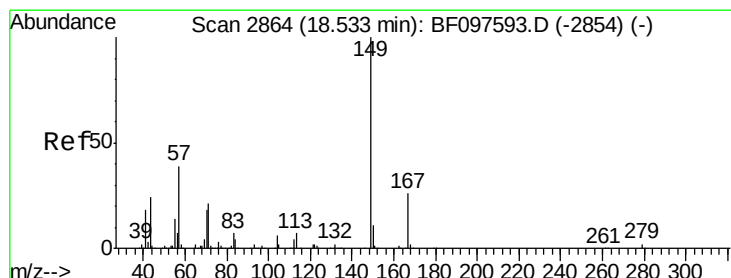
Abundance

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

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 124.06 ng

RT: 18.55 min Scan# 2867

Delta R.T. 0.02 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

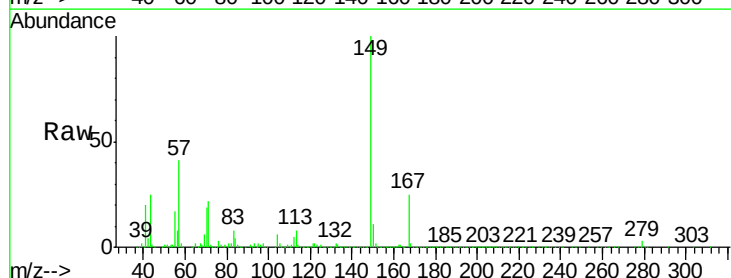
Tgt Ion:149 Resp: 1134735

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

279 2.7 1.9 2.9

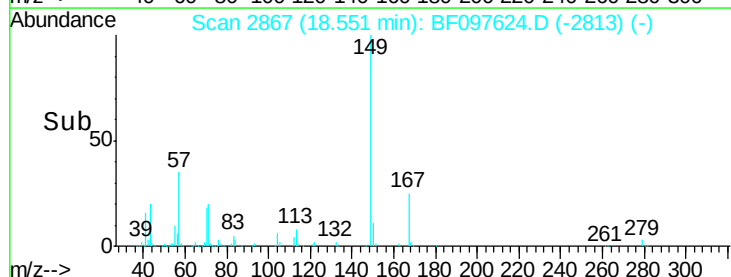


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



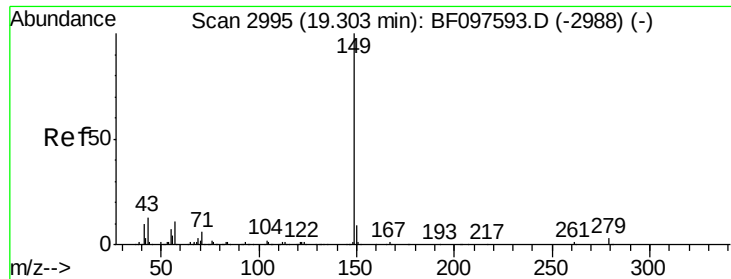
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



#84

Di-n-octyl phthalate

Concen: 3.29 ng

RT: 19.30 min Scan# 2995

Delta R.T. 0.00 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

Instrument :

BNA_F

ClientSampleId :

DRUM-5-OILY-GRAVEL

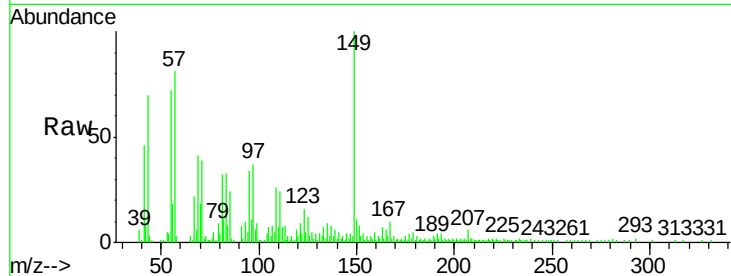
Tot Ion:149 Resp: 52558

Ion Ratio Lower Upper

149 100

167 12.5 1.2 1.8#

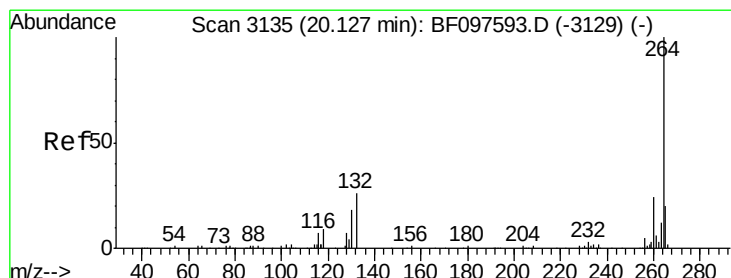
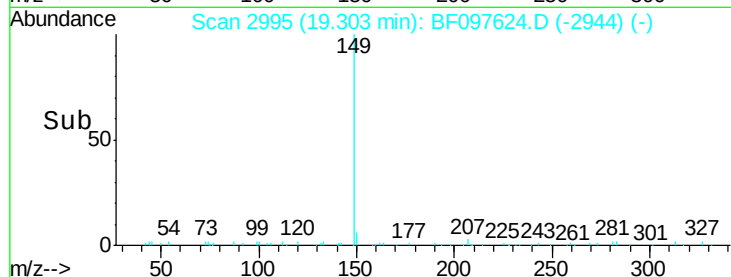
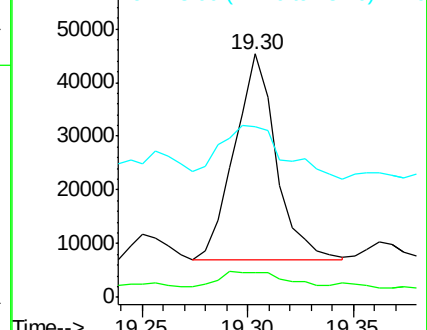
43 40.1 8.5 12.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.13 min Scan# 3136

Delta R.T. 0.01 min

Lab File: BF097624.D

Acq: 12 Aug 2017 7:09

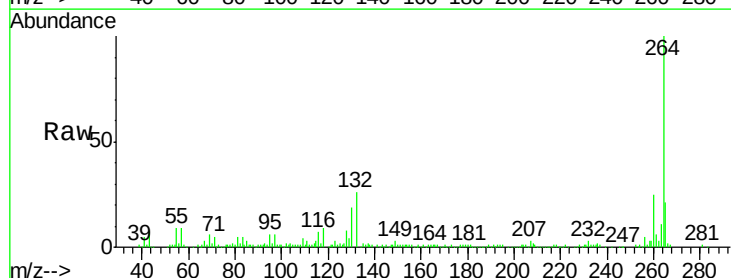
Tgt Ion:264 Resp: 186595

Ion Ratio Lower Upper

264 100

260 25.3 19.5 29.3

265 21.3 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

