

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032819\
 Data File : BF113404.D
 Acq On : 29 Mar 2019 6:59
 Operator : JU/SJ
 Sample : K2125-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-B

Quant Time: Mar 29 08:34:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

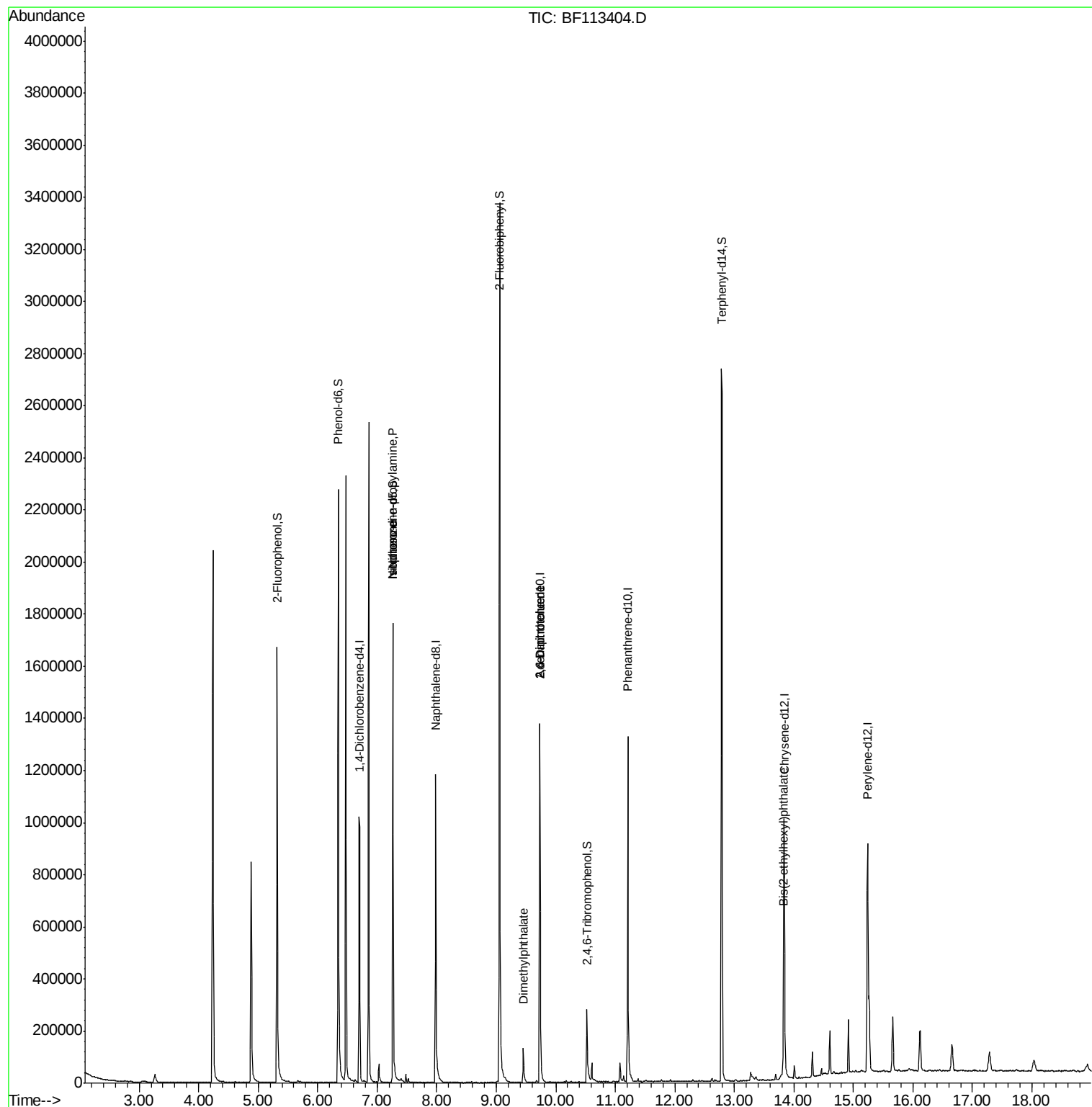
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	172454	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	662588	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	318660	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	585588	20.00	ng	0.00
76) Chrysene-d12	13.84	240	431285	20.00	ng	0.00
87) Perylene-d12	15.24	264	453216	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	560555	53.15	ng	0.00
7) Phenol-d6	6.35	99	918871	68.87	ng	-0.01
23) Nitrobenzene-d5	7.26	82	618565	55.41	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	61011	15.50	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1231118	54.15	ng	0.00
79) Terphenyl-d14	12.79	244	1095068	55.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	76750	9.158	ng	# 77
25) Isophorone	7.26	82	613623	28.364	ng	# 64
50) Dimethylphthalate	9.45	163	82531	3.495	ng	100
51) 2,6-Dinitrotoluene	9.73	165	40312	7.567	ng	# 27
57) 2,4-Dinitrotoluene	9.73	165	40313	5.950	ng	# 23
84) Bis(2-ethylhexyl)phthalate	13.82	149	36175	2.240	ng	100

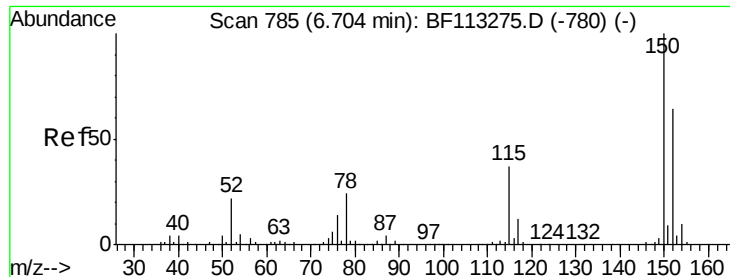
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.00 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-B

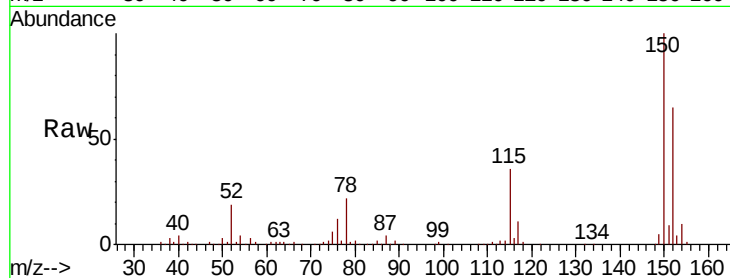
Tgt Ion:152 Resp: 172454

Ion Ratio Lower Upper

152 100

150 155.0 124.7 187.1

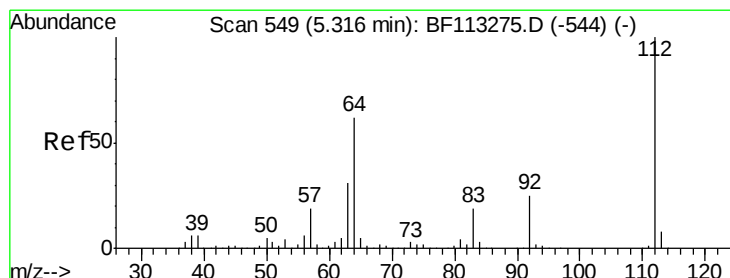
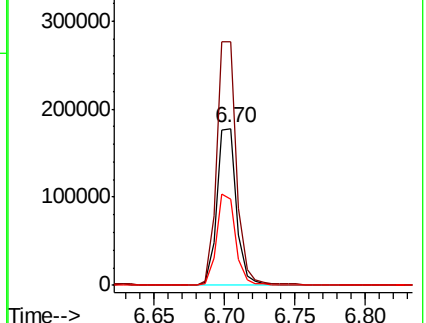
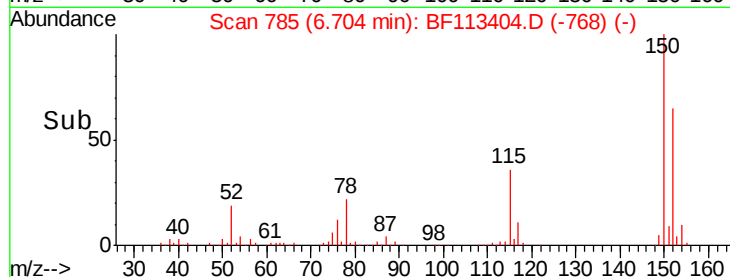
115 55.0 46.0 69.0



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: 53.149 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.00 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

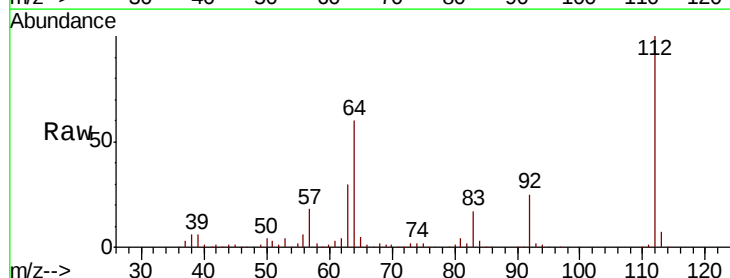
Tgt Ion:112 Resp: 560555

Ion Ratio Lower Upper

112 100

64 59.8 49.2 73.8

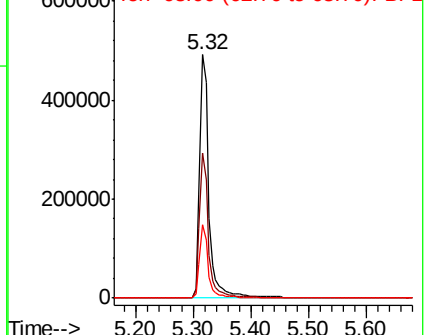
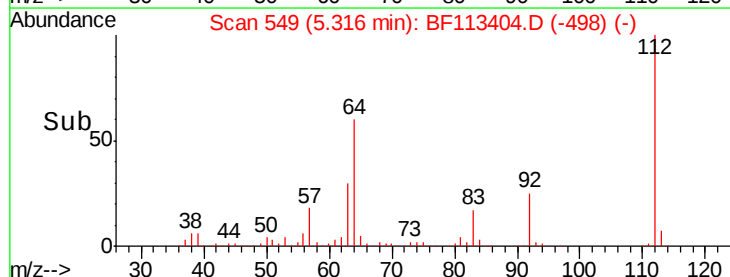
63 30.3 24.9 37.3

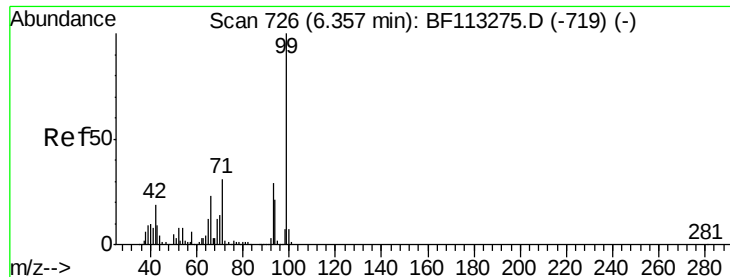


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 68.869 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-B

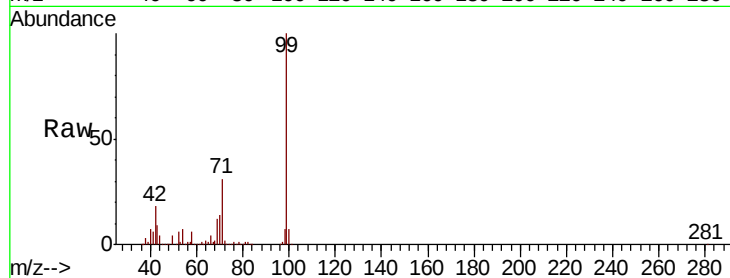
Tgt Ion: 99 Resp: 918871

Ion Ratio Lower Upper

99 100

42 17.9 14.8 22.2

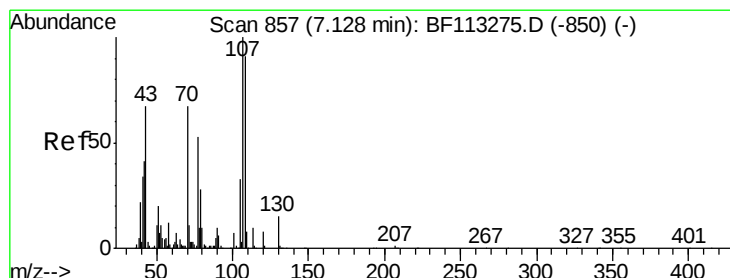
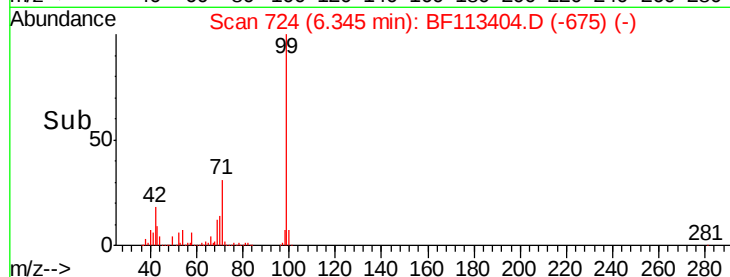
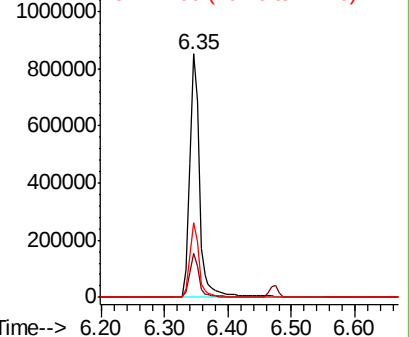
71 30.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.158 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Tgt Ion: 70 Resp: 76750

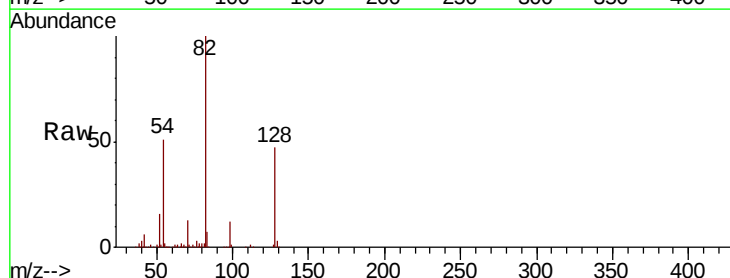
Ion Ratio Lower Upper

70 100

42 49.4 48.4 72.6

101 0.0 7.8 11.8#

130 2.1 18.2 27.4#

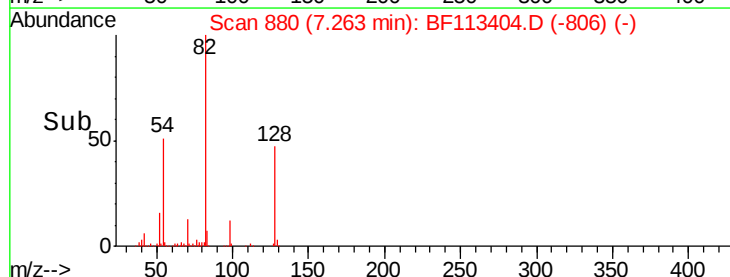
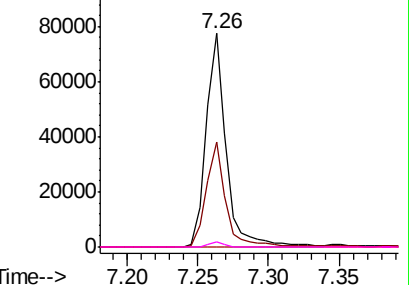


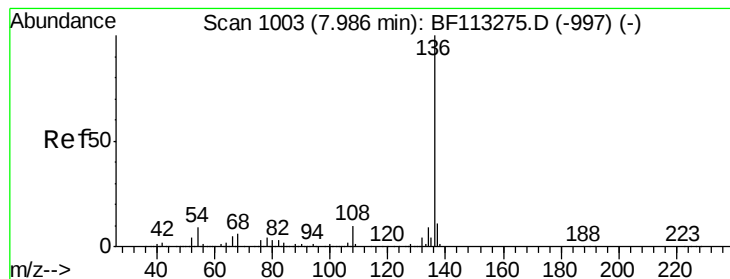
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-B

Tgt Ion: 136 Resp: 662588

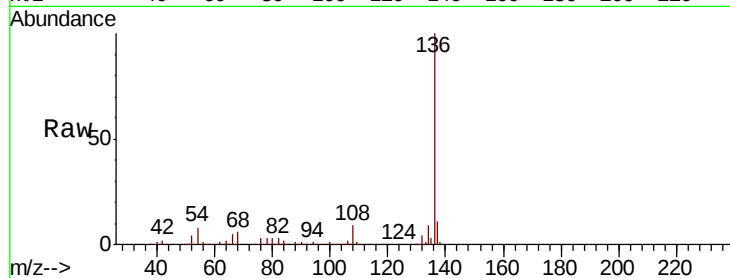
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.4 7.0 10.6

68 6.3 4.8 7.2

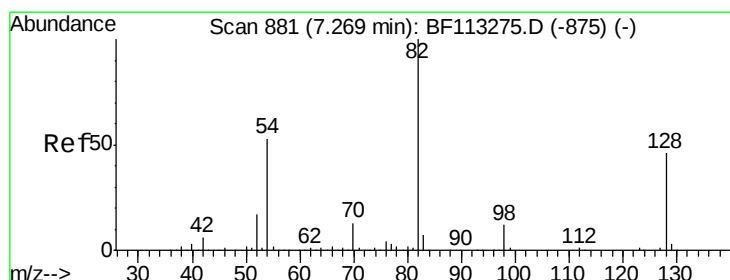
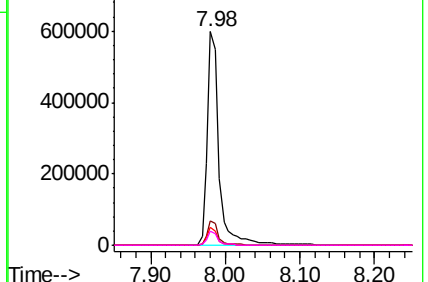
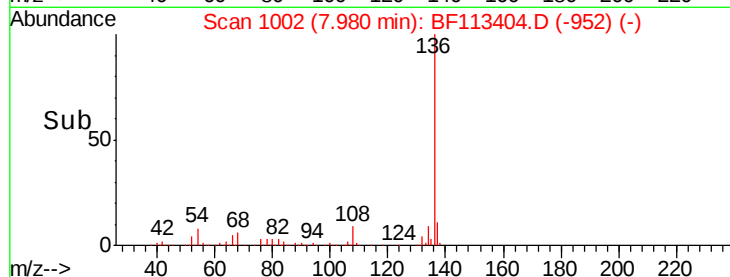


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 55.411 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

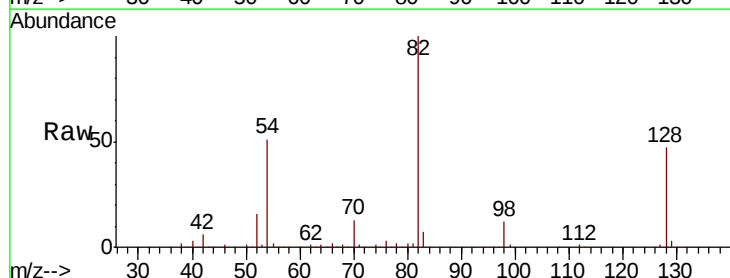
Tgt Ion: 82 Resp: 618565

Ion Ratio Lower Upper

82 100

128 46.8 36.5 54.7

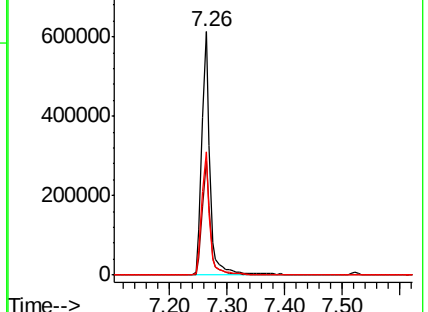
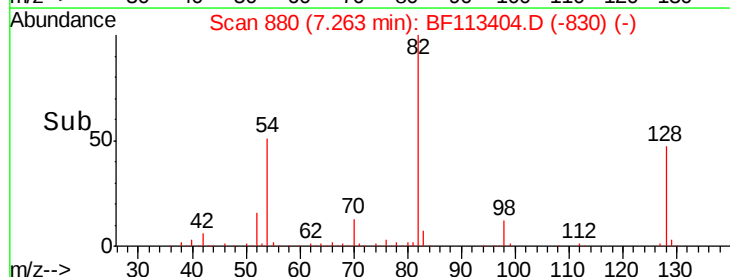
54 50.9 42.2 63.2

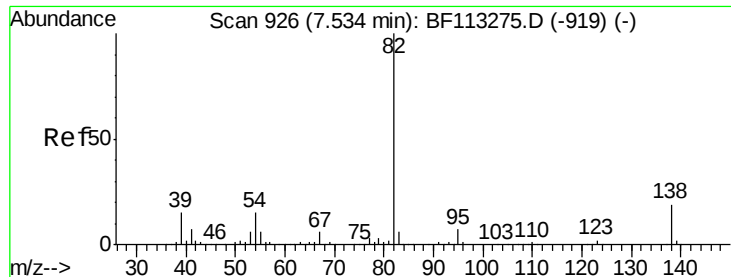


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.364 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

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ClientSampleId :

CONCRETE-COMP-B

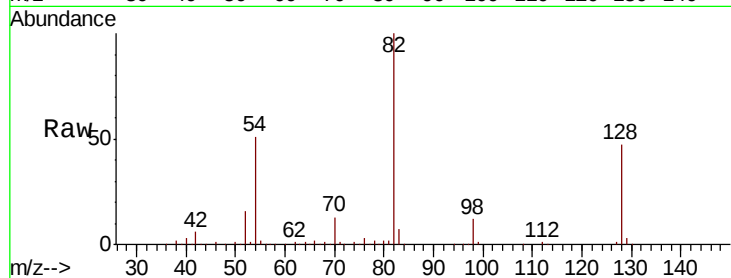
Tgt Ion: 82 Resp: 613623

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

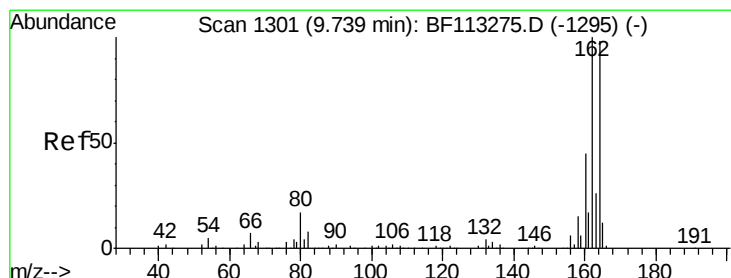
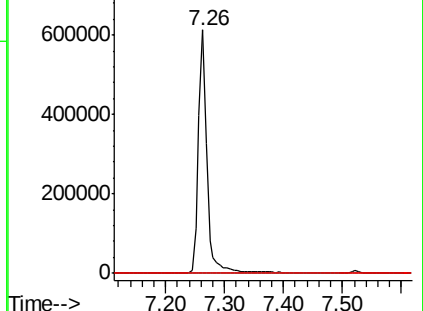
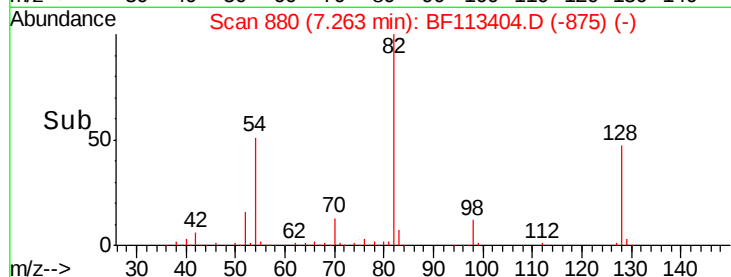
138 0.0 15.2 22.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

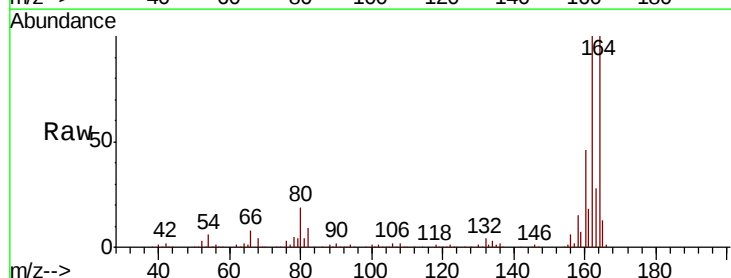
Tgt Ion: 164 Resp: 318660

Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.6

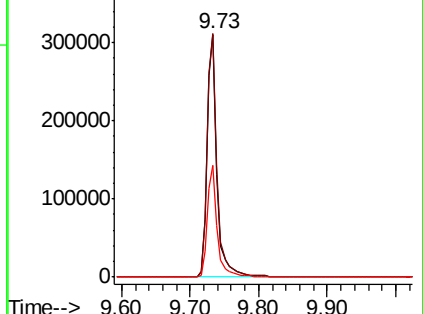
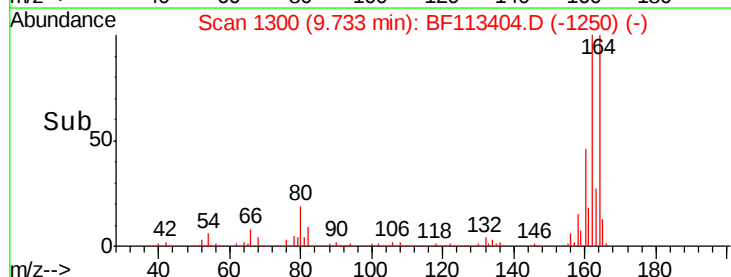
160 46.1 36.4 54.6

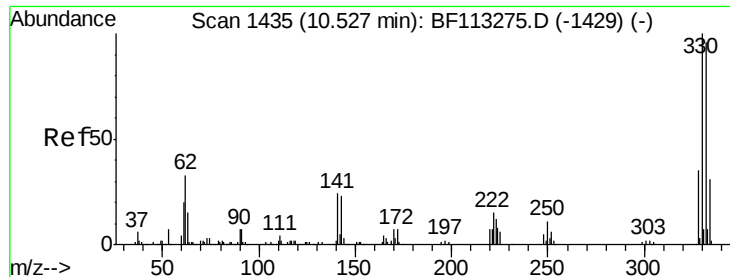


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

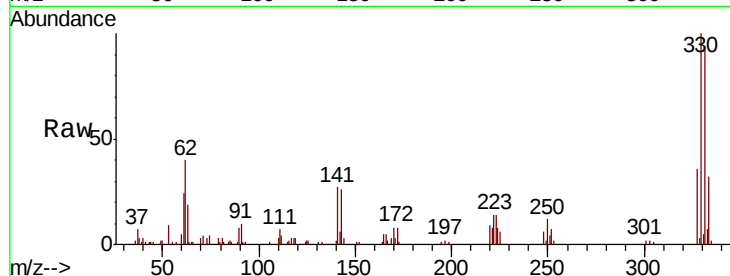




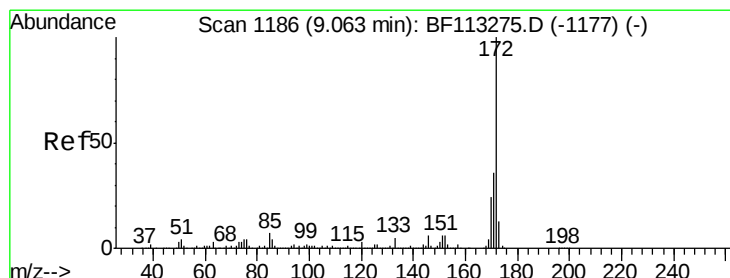
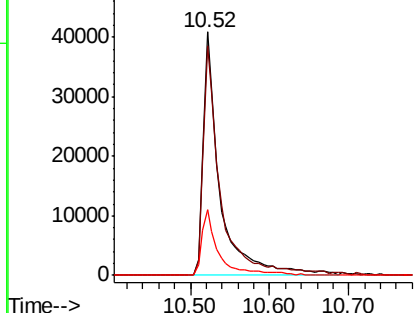
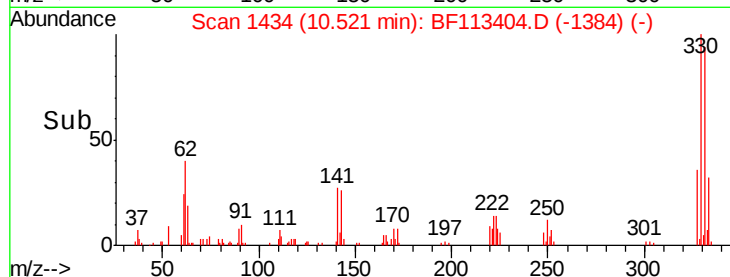
#42
 2,4,6-Tribromophenol
 Concen: 15.500 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113404.D
 Acq: 29 Mar 2019 6:59

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-B

Tgt Ion:330 Resp: 61011
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.8 116.6
 141 27.4 22.7 34.1

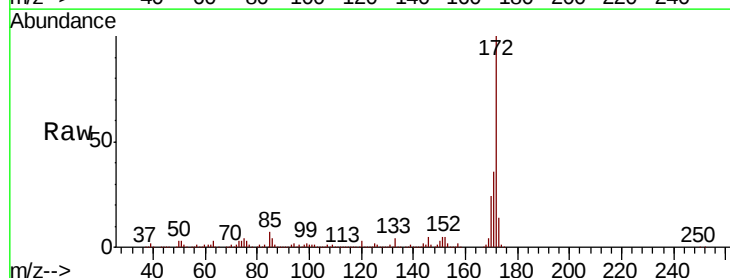


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

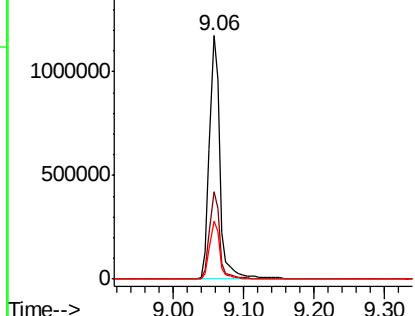
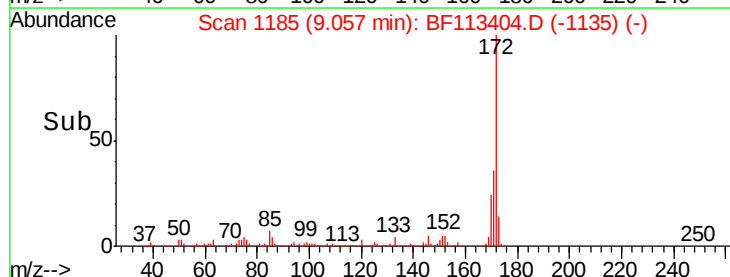


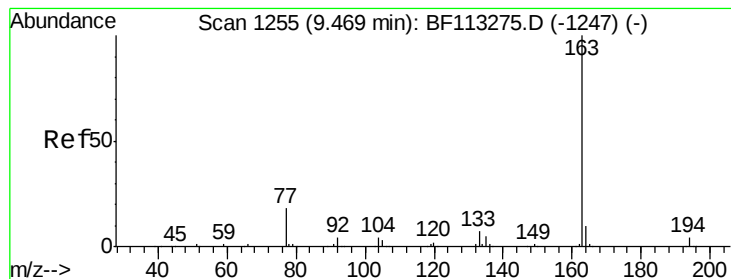
#45
 2-Fluorobiphenyl
 Concen: 54.153 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113404.D
 Acq: 29 Mar 2019 6:59

Tgt Ion:172 Resp: 1231118
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 23.7 19.5 29.3



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





#50

Dimethylphthalate

Concen: 3.495 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-B

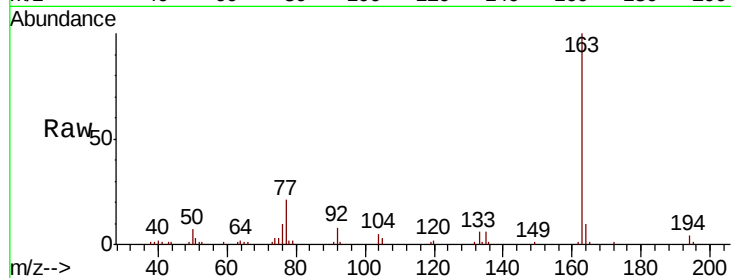
Tgt Ion:163 Resp: 82531

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

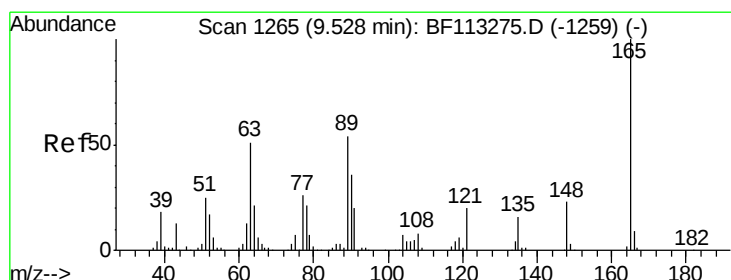
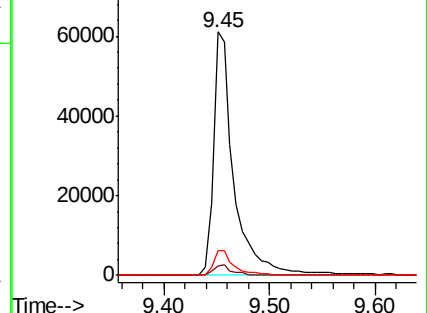
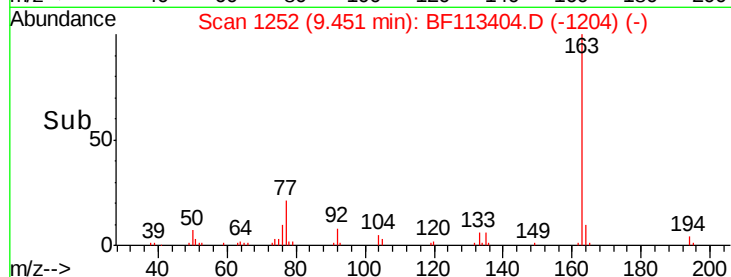
164 10.1 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 7.567 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

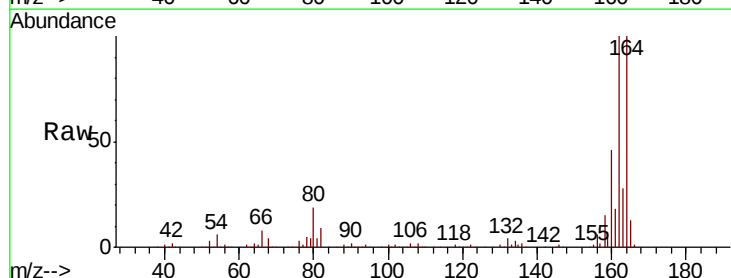
Tgt Ion:165 Resp: 40312

Ion Ratio Lower Upper

165 100

63 1.3 43.4 65.0#

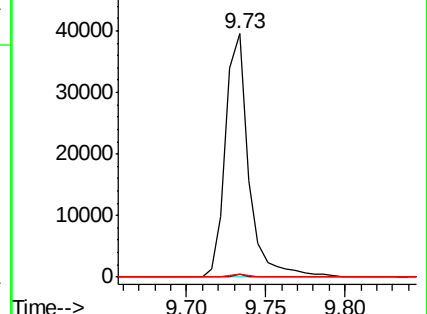
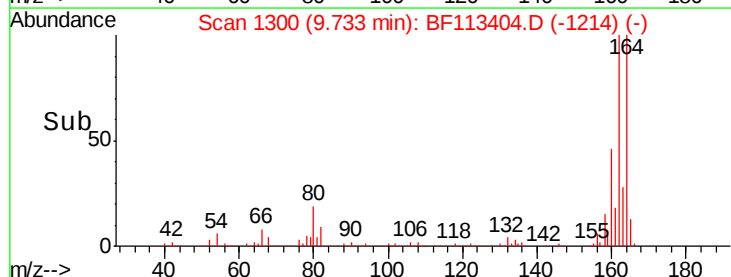
89 1.5 43.1 64.7#

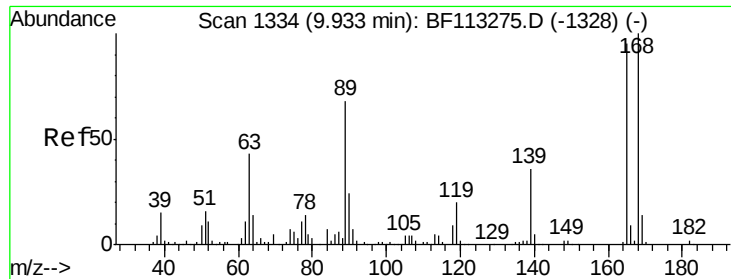


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

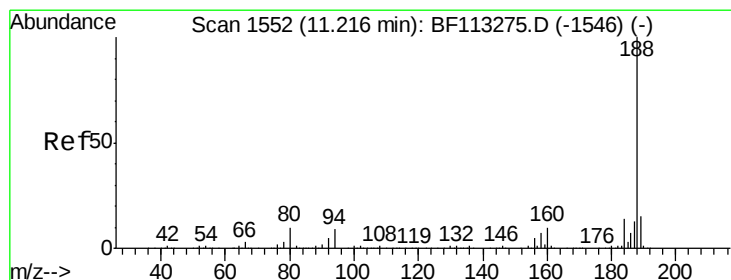
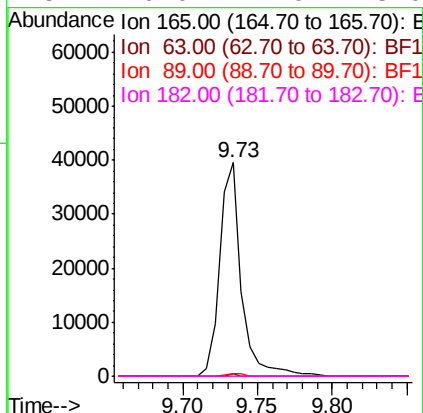
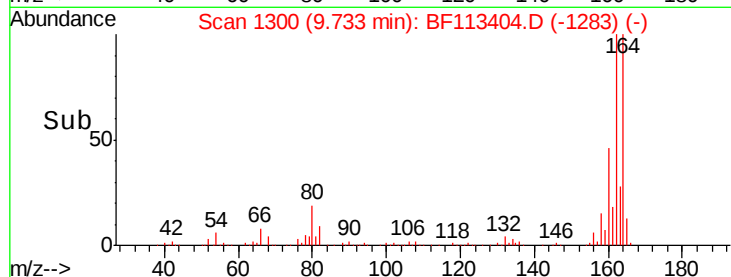
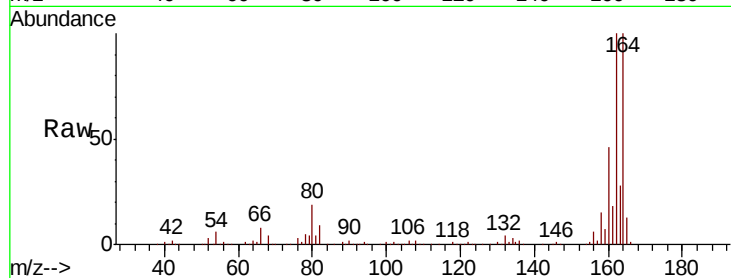




#57
 2,4-Dinitrotoluene
 Concen: 5.950 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113404.D
 Acq: 29 Mar 2019 6:59

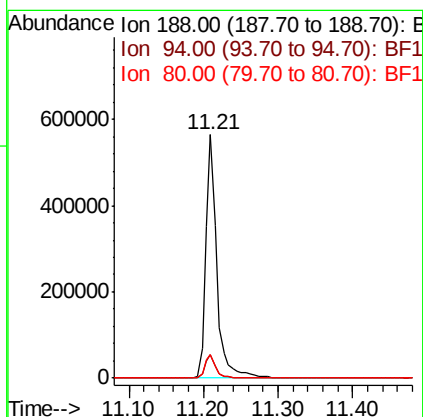
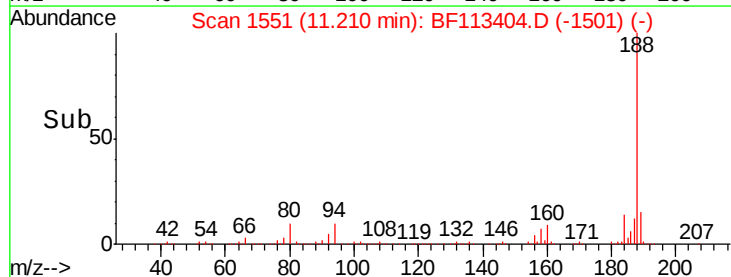
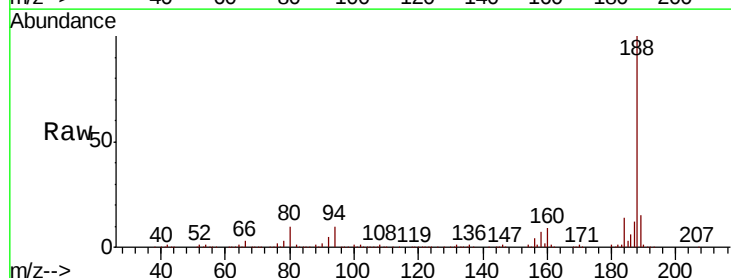
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP-B

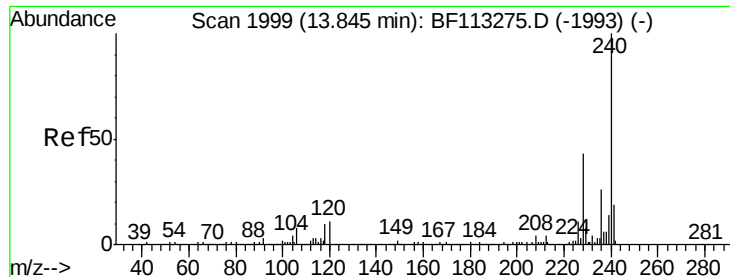
Tgt Ion:165 Resp: 40313
 Ion Ratio Lower Upper
 165 100
 63 1.3 37.5 56.3#
 89 1.5 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113404.D
 Acq: 29 Mar 2019 6:59

Tgt Ion:188 Resp: 585588
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.0 10.6
 80 9.7 7.7 11.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-B

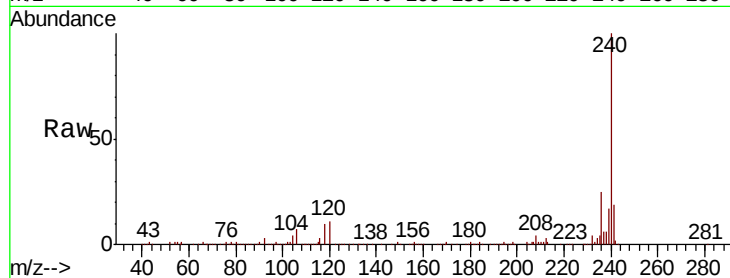
Tgt Ion:240 Resp: 431285

Ion Ratio Lower Upper

240 100

120 11.0 8.8 13.2

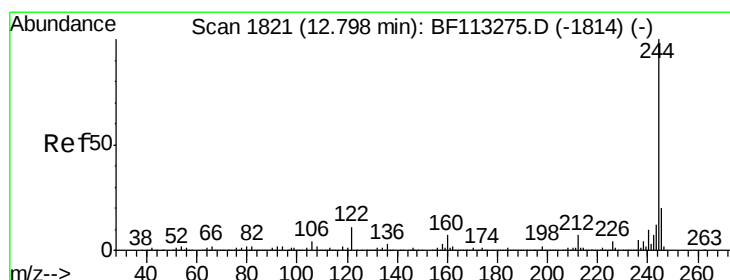
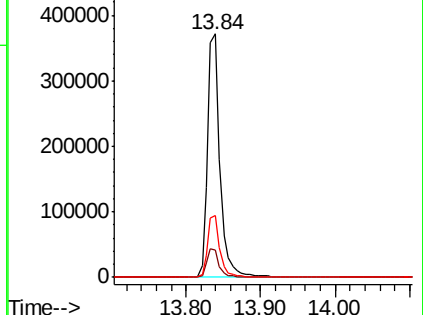
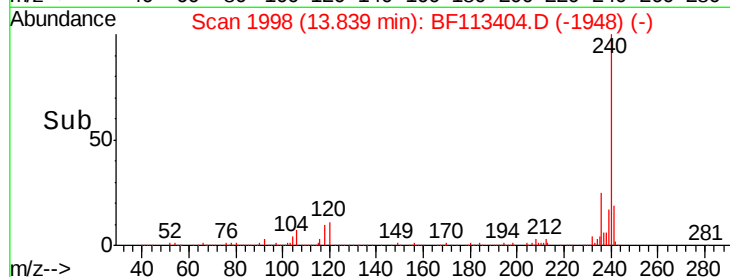
236 25.5 20.9 31.3



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



#79

Terphenyl-d14

Concen: 55.966 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

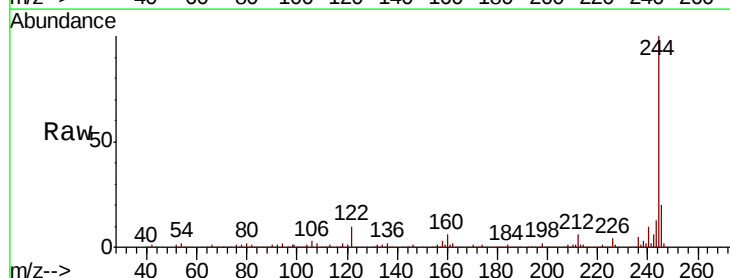
Tgt Ion:244 Resp: 1095068

Ion Ratio Lower Upper

244 100

212 6.2 5.5 8.3

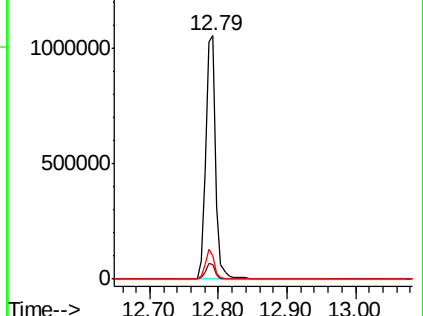
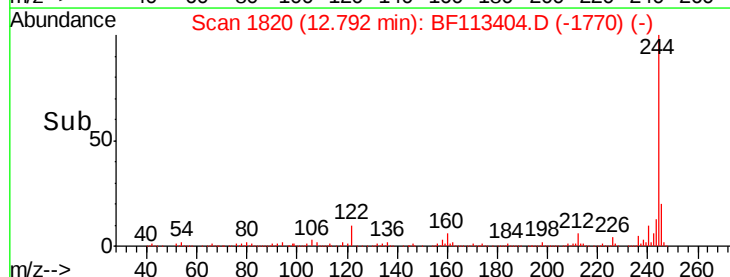
122 9.6 8.6 13.0

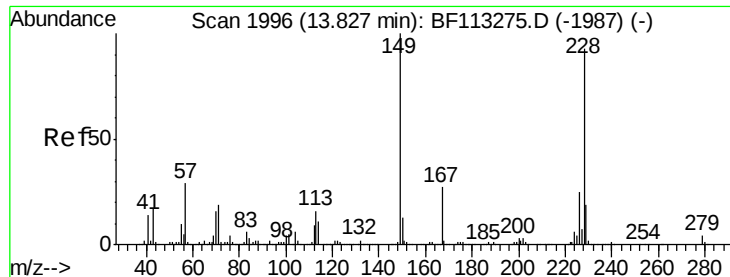


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.240 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP-B

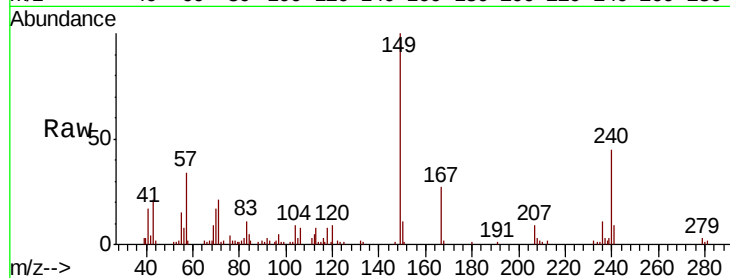
Tgt Ion:149 Resp: 36175

Ion Ratio Lower Upper

149 100

167 27.3 21.8 32.8

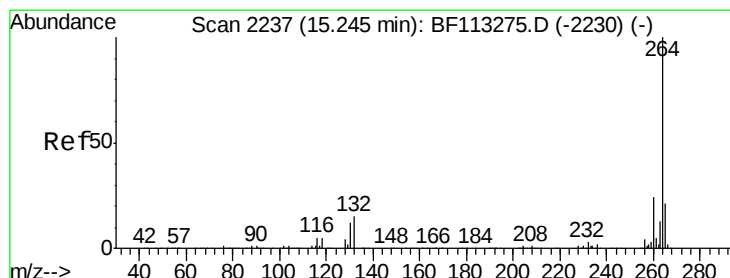
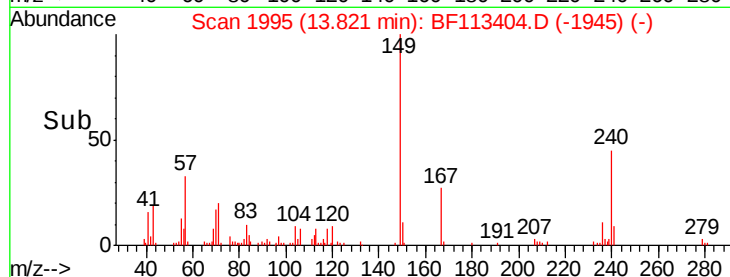
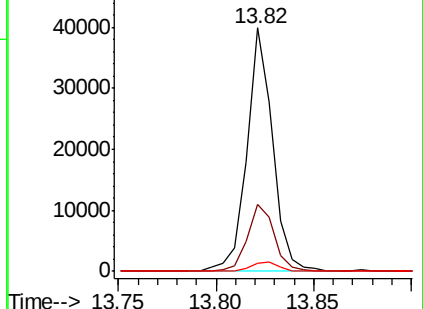
279 3.4 2.9 4.3



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113404.D

Acq: 29 Mar 2019 6:59

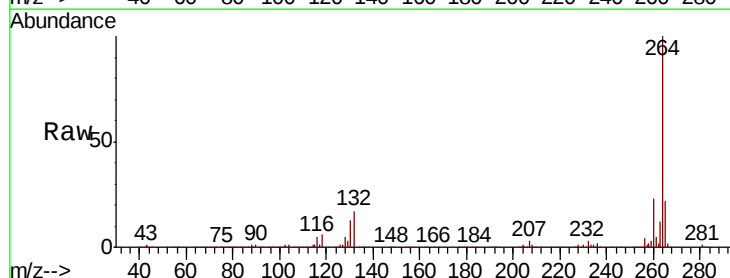
Tgt Ion:264 Resp: 453216

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.9 17.1 25.7



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

