

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114546.D
 Acq On : 24 May 2019 1:33
 Operator : JU/SJ
 Sample : K2978-04RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-COMP

Quant Time: May 24 07:21:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 03:49:15 2019
 Response via : Initial Calibration

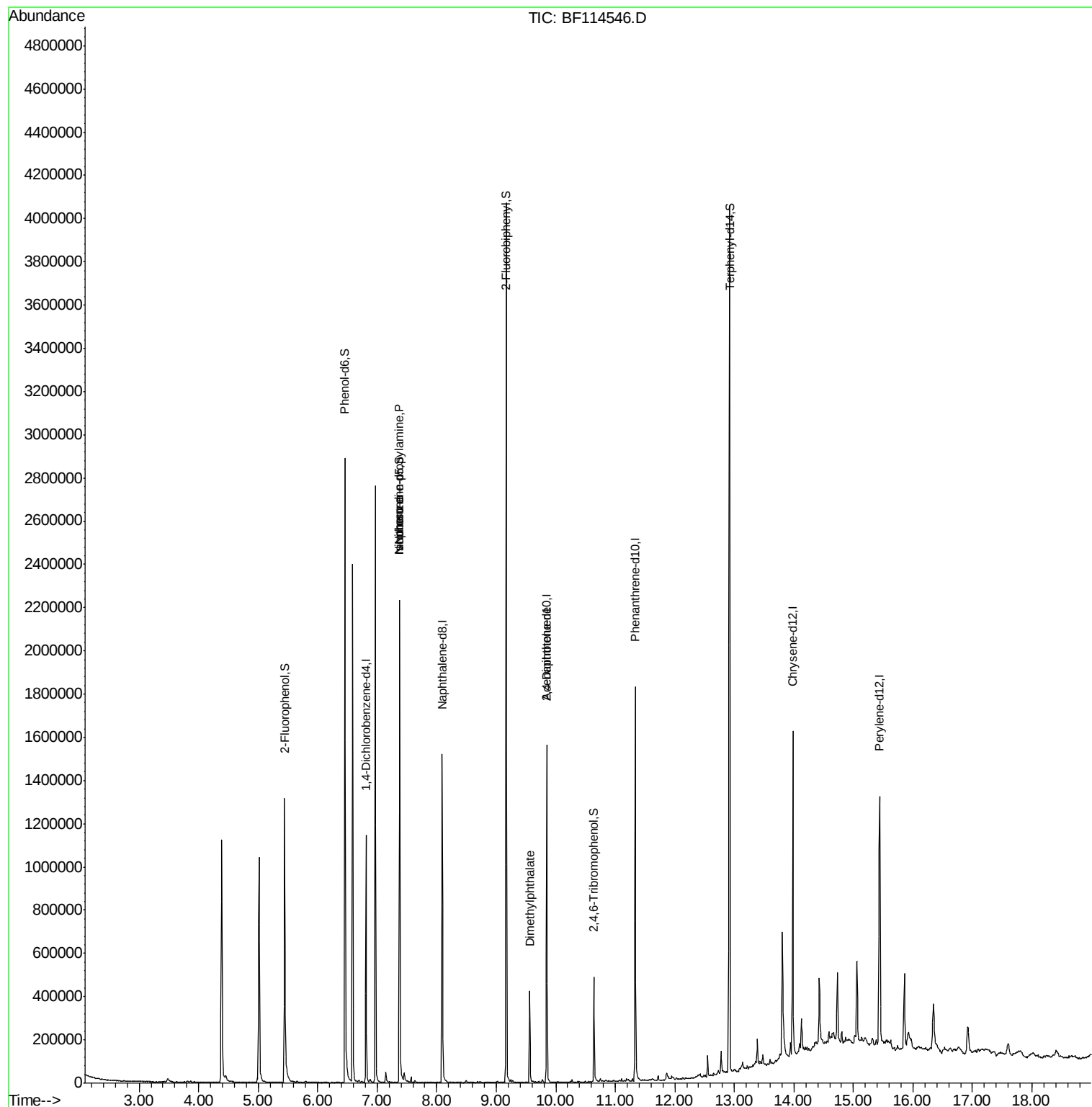
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	164804	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	648732	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	324272	20.00	ng	-0.03
64) Phenanthrene-d10	11.33	188	693780	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	476263	20.00	ng	-0.02
87) Perylene-d12	15.44	264	467441	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	460459	44.96	ng	-0.02
7) Phenol-d6	6.46	99	952527	78.64	ng	-0.03
23) Nitrobenzene-d5	7.37	82	655592	56.71	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	57627	17.19	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1259698	58.76	ng	-0.02
79) Terphenyl-d14	12.92	244	1468128	63.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	85207	11.098	ng	# 74
25) Isophorone	7.37	82	655585	30.580	ng	# 64
50) Dimethylphthalate	9.56	163	165734	6.962	ng	99
57) 2,4-Dinitrotoluene	9.85	165	41627	5.809	ng	# 25

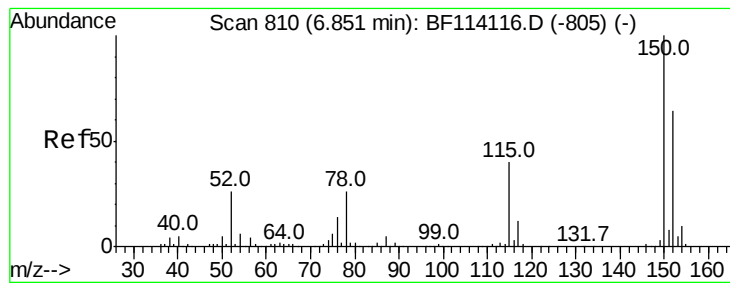
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 23 03:49:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP

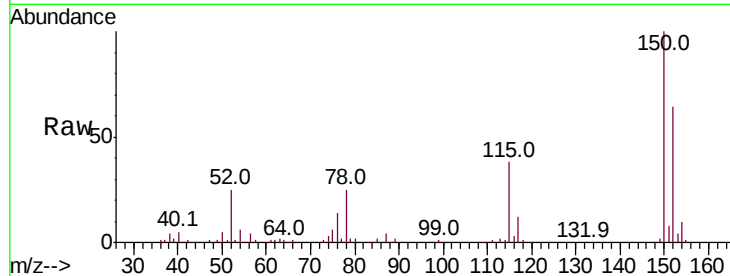
Tot Ion:152 Resp: 164804

Ion Ratio Lower Upper

152 100

150 157.4 124.3 186.5

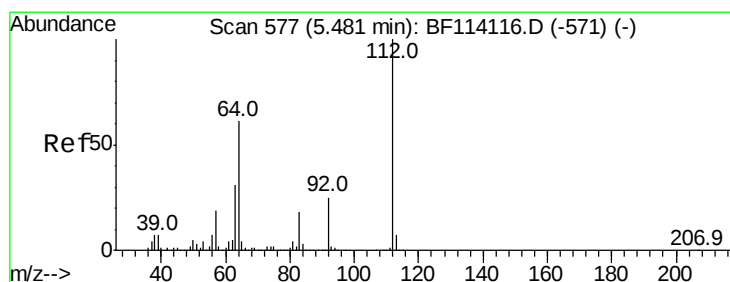
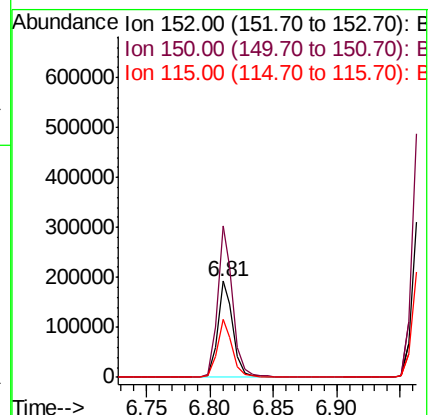
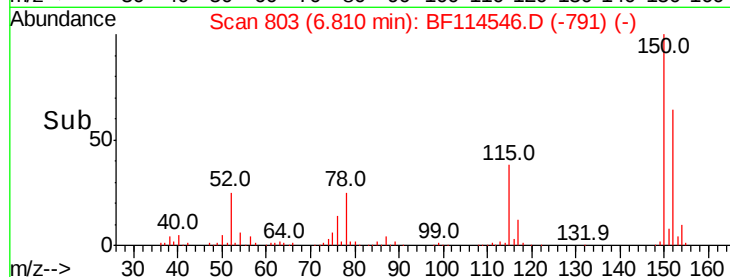
115 60.4 49.1 73.7



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: 44.962 ng

RT: 5.45 min Scan# 571

Delta R.T. -0.02 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

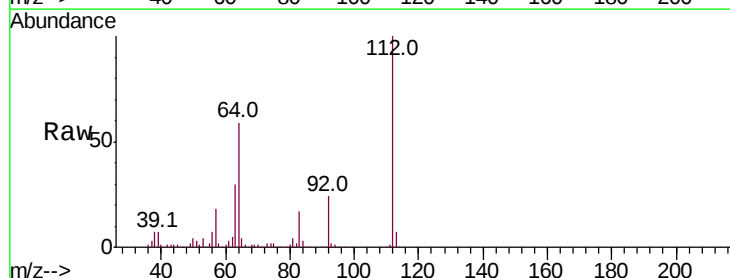
Tgt Ion:112 Resp: 460459

Ion Ratio Lower Upper

112 100

64 58.8 49.0 73.6

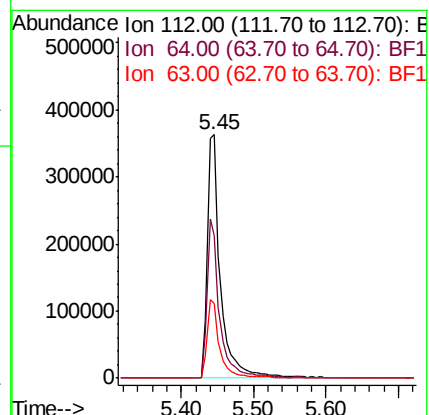
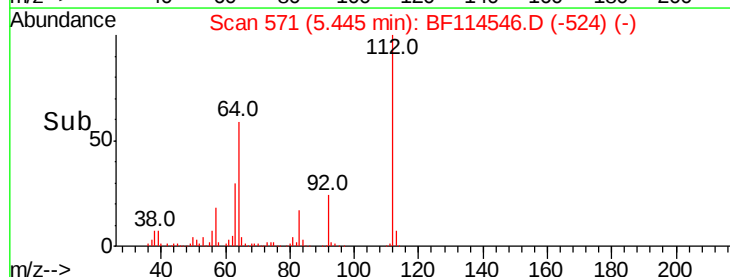
63 30.5 24.6 37.0

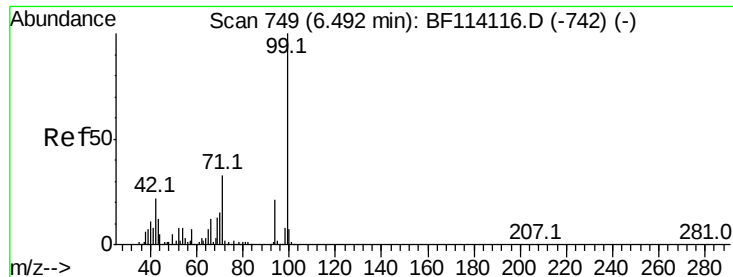


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 78.641 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP

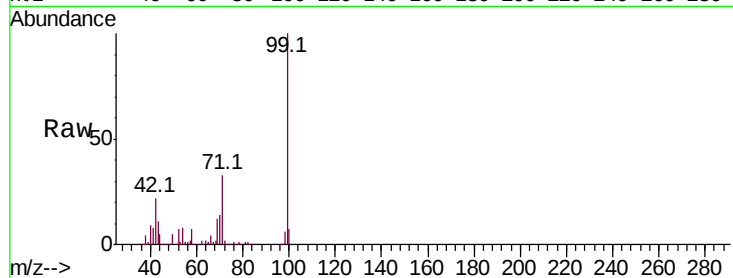
Tot Ion: 99 Resp: 952527

Ion Ratio Lower Upper

99 100

42 21.8 17.9 26.9

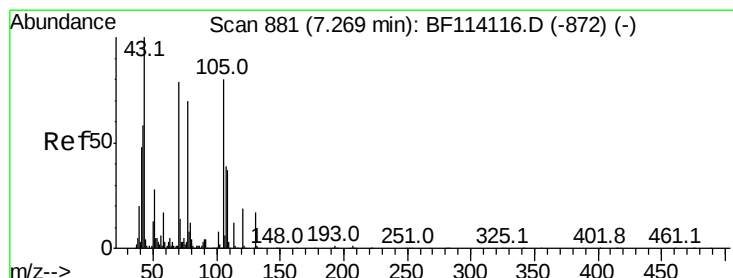
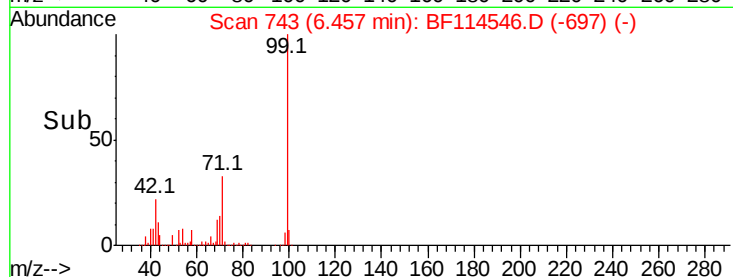
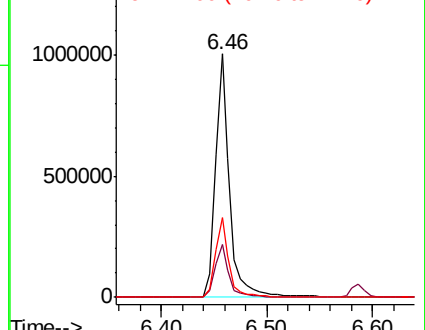
71 33.0 26.2 39.2



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: 11.098 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.12 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Tgt Ion: 70 Resp: 85207

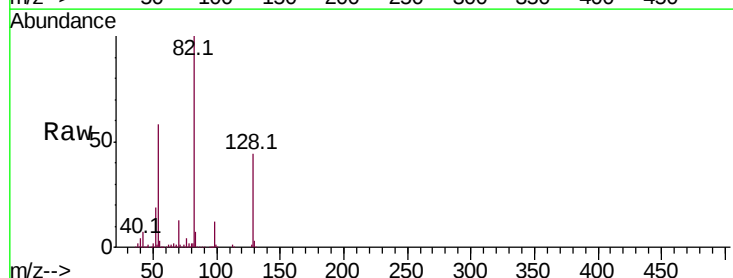
Ion Ratio Lower Upper

70 100

42 55.6 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

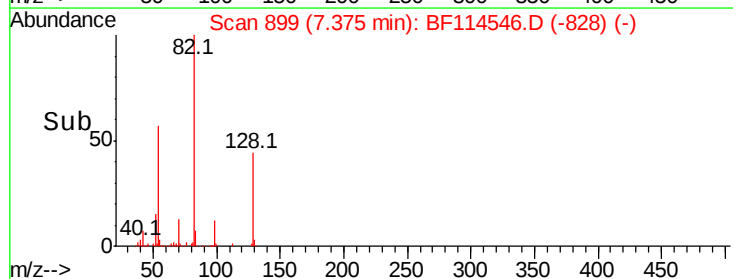
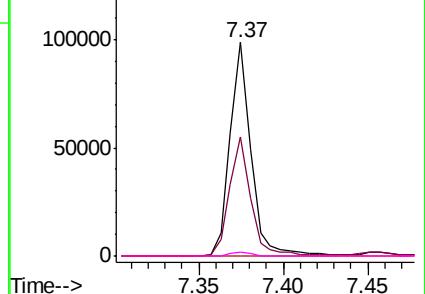


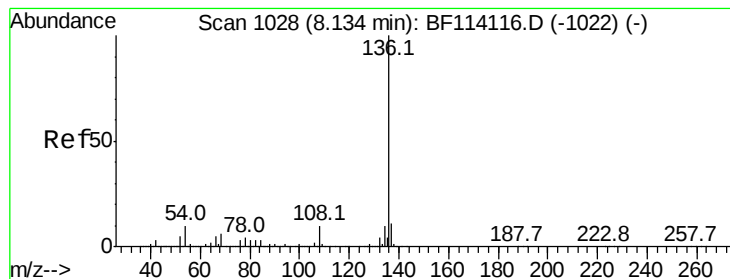
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP

Tot Ion:136 Resp: 648732

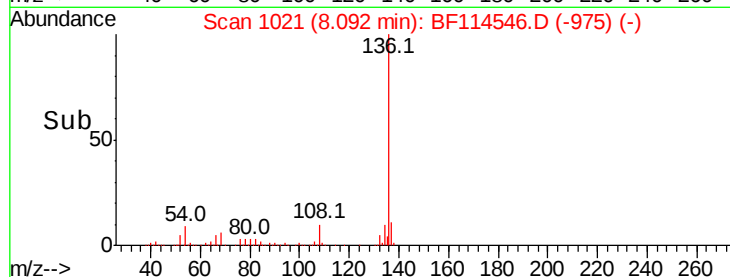
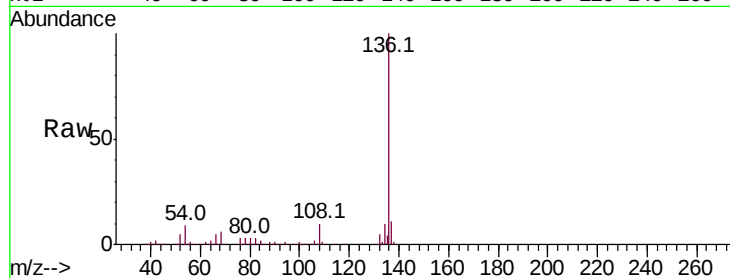
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.2 7.8 11.8

68 5.7 5.1 7.7

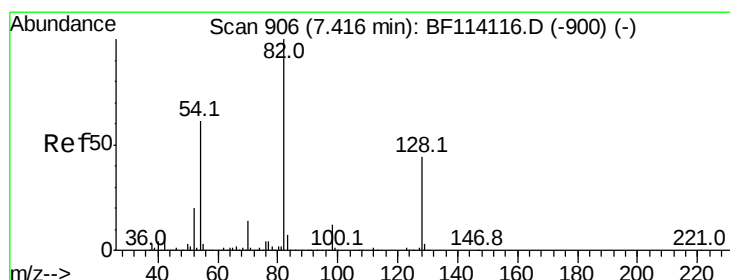
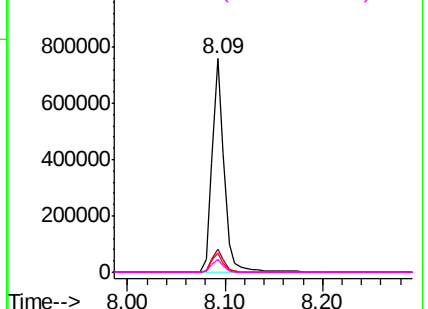


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.714 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

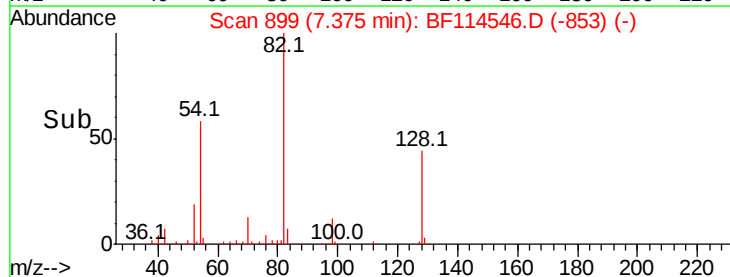
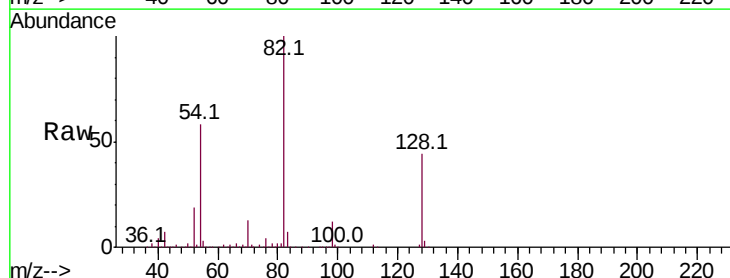
Tgt Ion: 82 Resp: 655592

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

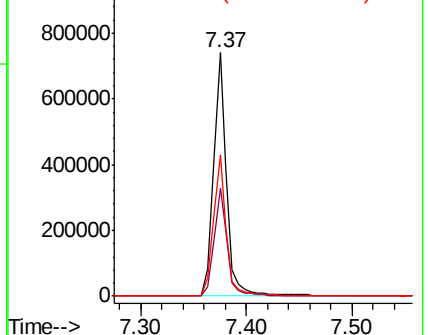
54 58.2 48.5 72.7

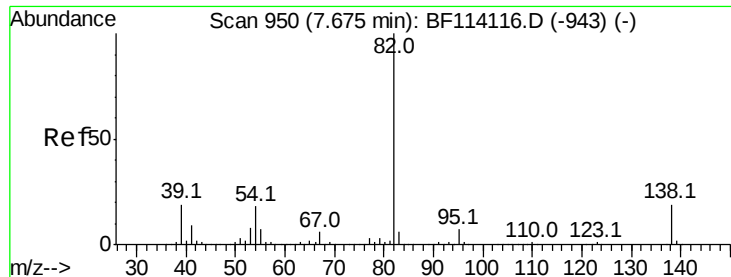


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.580 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :

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ClientSampleId :

CONCRETE-COMP

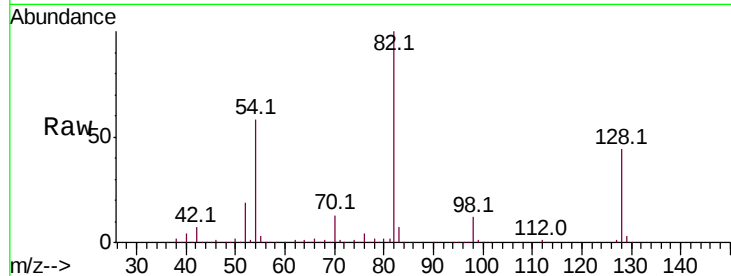
Tot Ion: 82 Resp: 655585

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

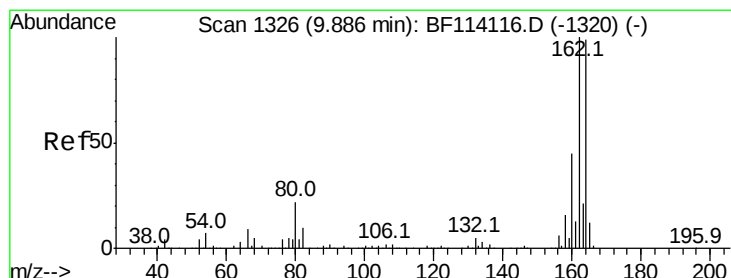
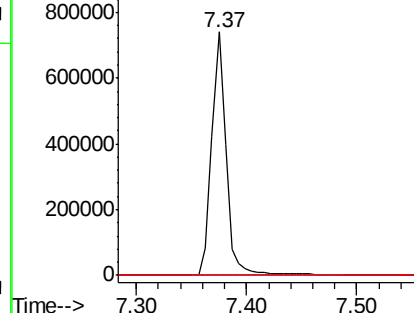
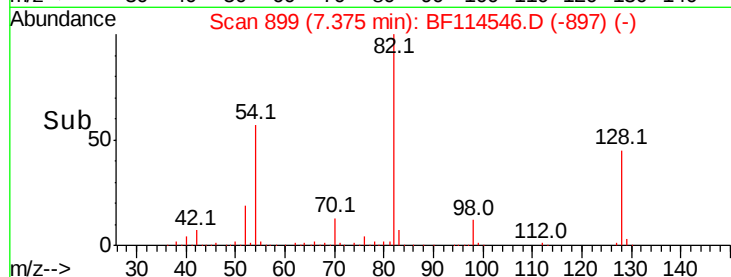
138 0.0 14.8 22.2#



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: 9.85 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

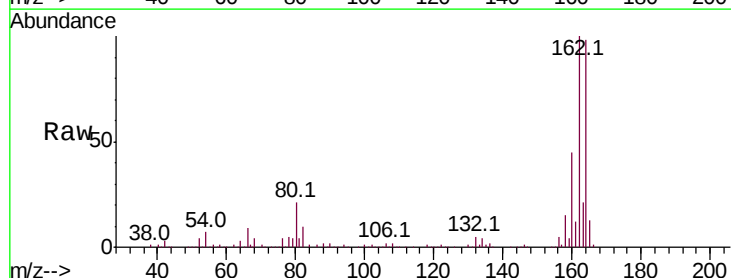
Tgt Ion:164 Resp: 324272

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

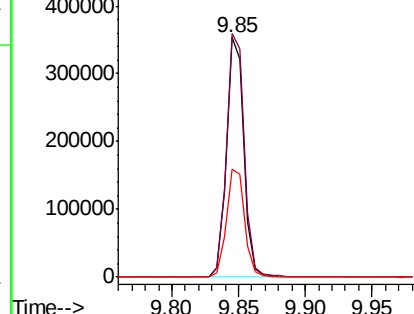
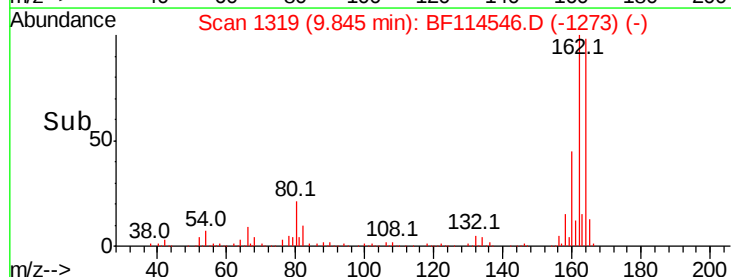
160 45.3 36.5 54.7

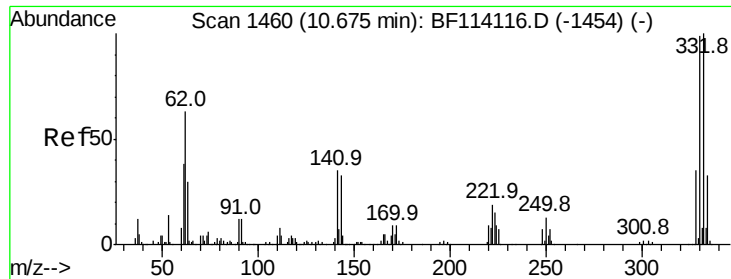


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

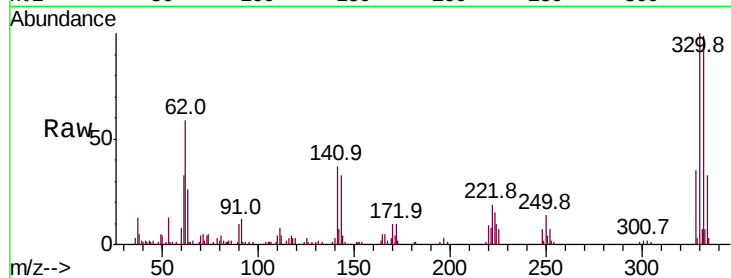




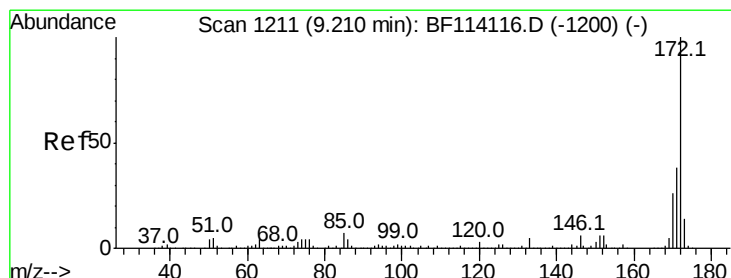
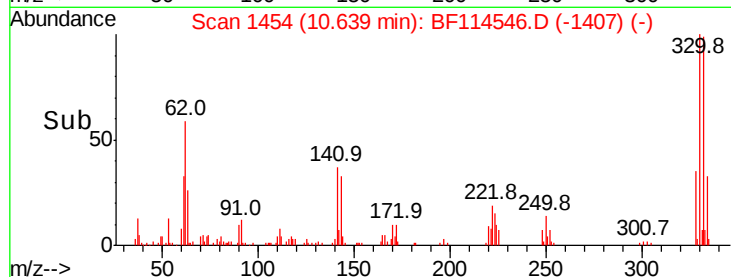
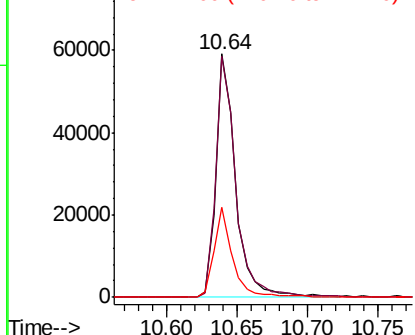
#42
 2,4,6-Tribromophenol
 Concen: 17.190 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF114546.D
 Acq: 24 May 2019 1:33

Instrument :
 BNA_F
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 CONCRETE-COMP

Tot Ion:330 Resp: 57627
 Ion Ratio Lower Upper
 330 100
 332 100.9 81.4 122.2
 141 34.8 26.6 40.0

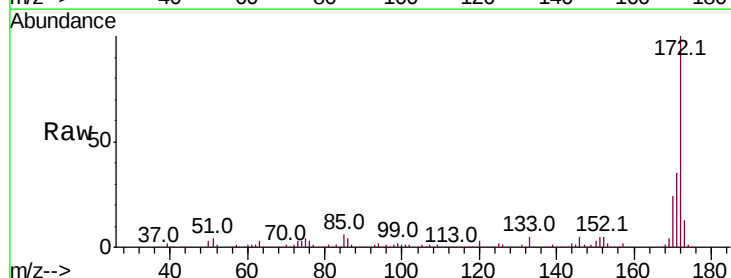


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

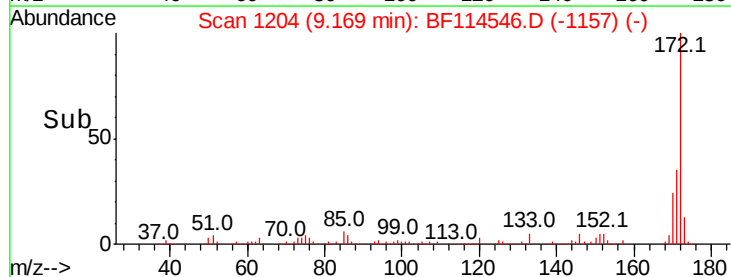
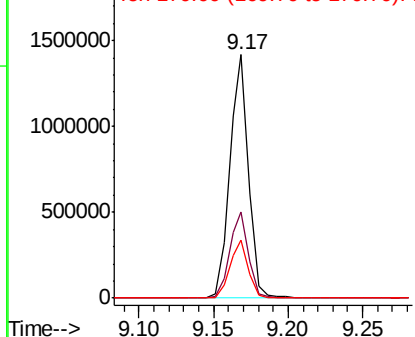


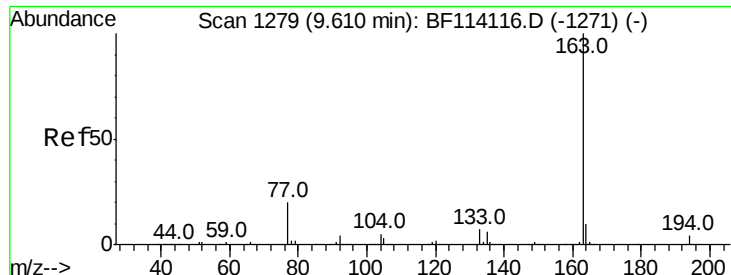
#45
 2-Fluorobiphenyl
 Concen: 58.762 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BF114546.D
 Acq: 24 May 2019 1:33

Tgt Ion:172 Resp: 1259698
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.7 46.1
 170 23.7 20.5 30.7



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: 6.962 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :
BNA_F
ClientSampleId :
CONCRETE-COMP

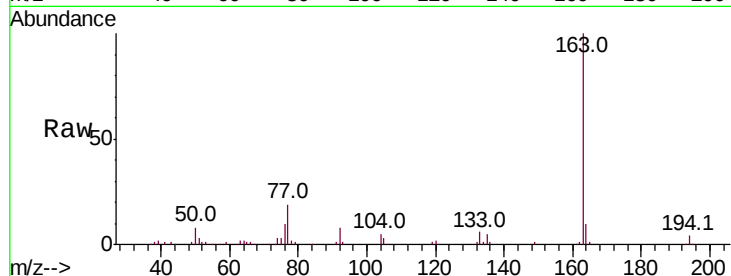
Tot Ion:163 Resp: 165734

Ion Ratio Lower Upper

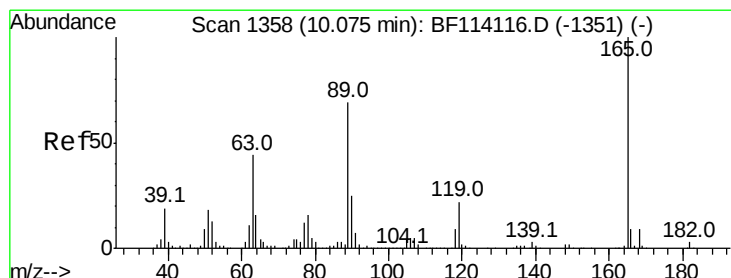
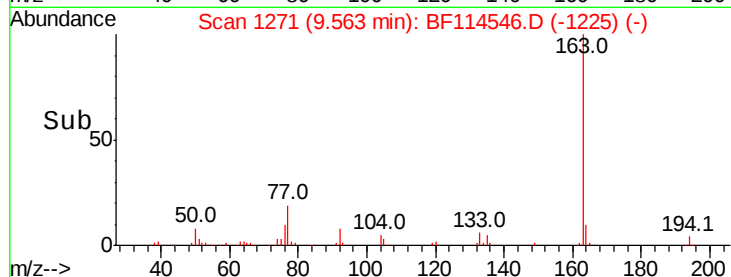
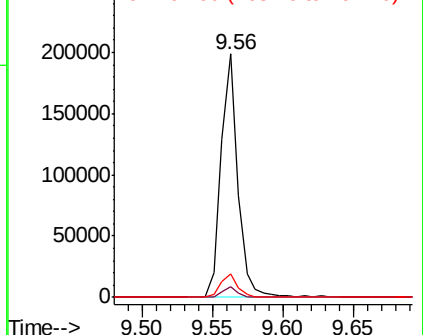
163 100

194 4.3 3.4 5.0

164 9.8 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 5.809 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.22 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Tgt Ion:165 Resp: 41627

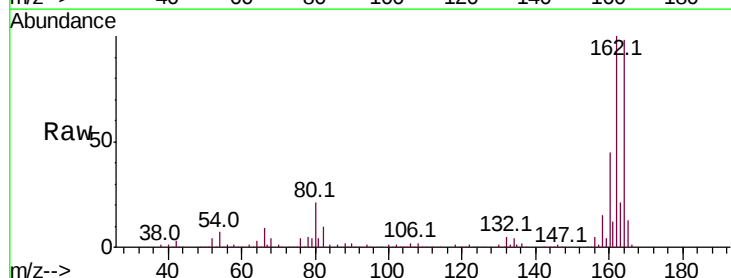
Ion Ratio Lower Upper

165 100

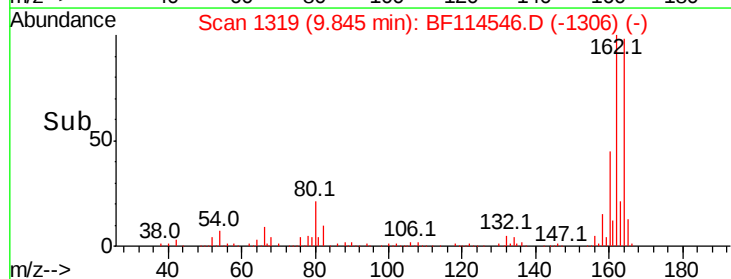
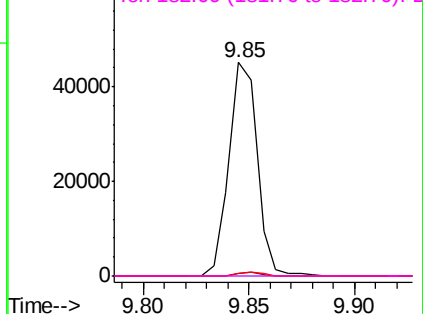
63 1.1 35.5 53.3#

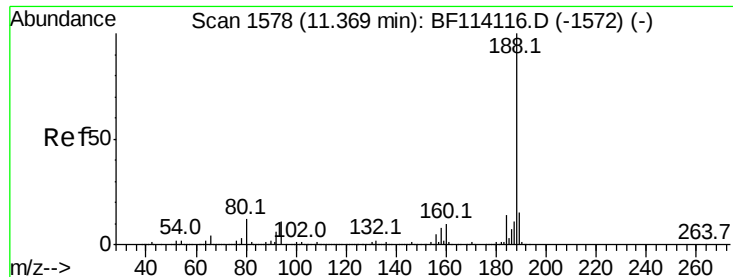
89 1.4 55.2 82.8#

182 0.0 2.2 3.2#



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
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.02 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP

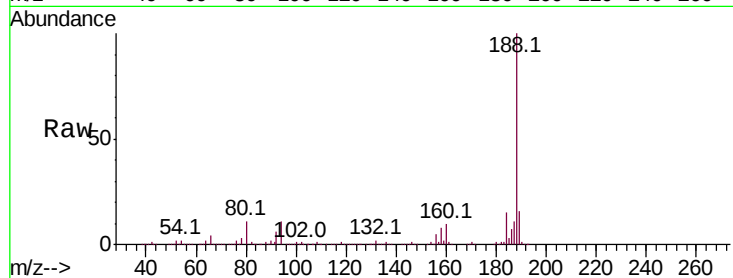
Tot Ion:188 Resp: 693780

Ion Ratio Lower Upper

188 100

94 10.5 8.4 12.6

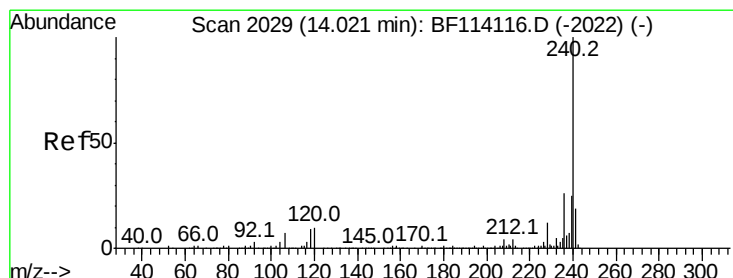
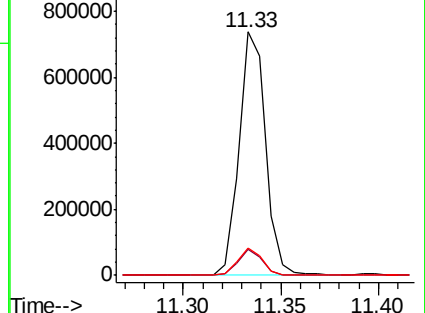
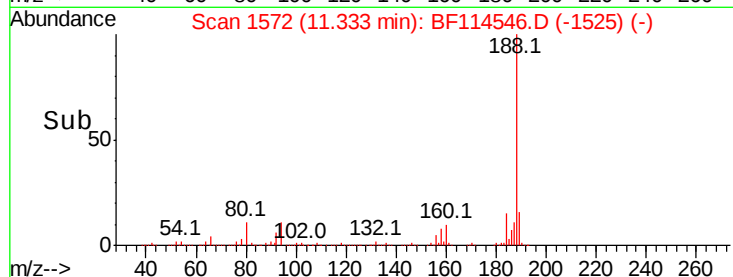
80 11.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

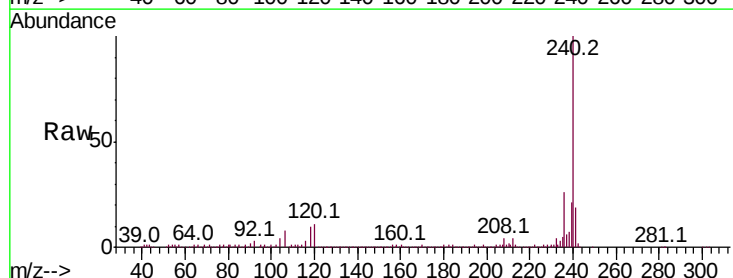
Tgt Ion:240 Resp: 476263

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

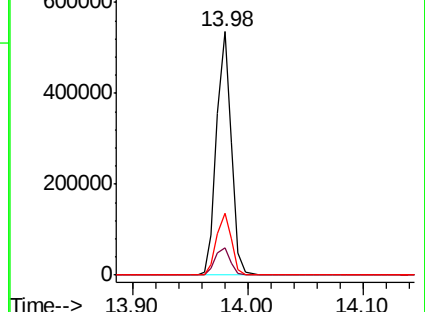
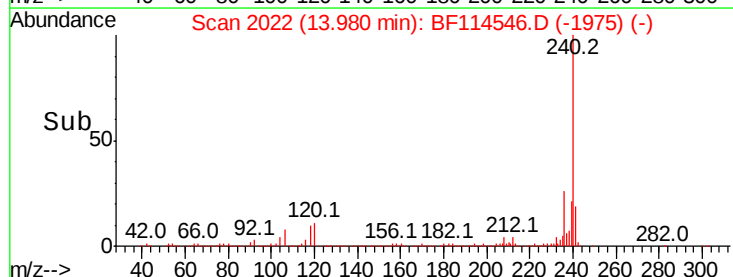
236 25.5 20.8 31.2

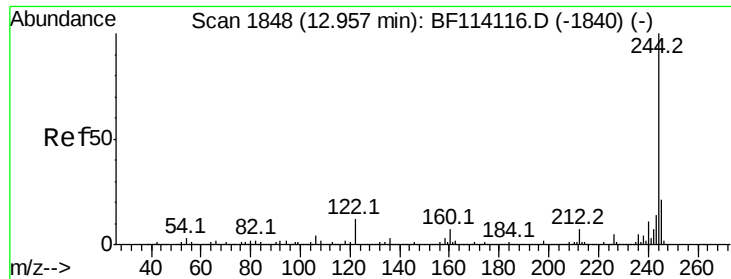


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 63.546 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

Instrument :

BNA_F

ClientSampleId :

CONCRETE-COMP

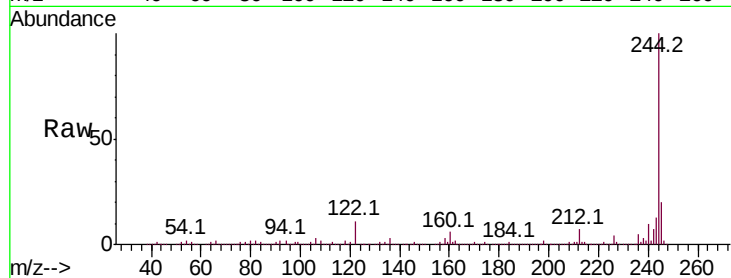
Tot Ion:244 Resp: 1468128

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

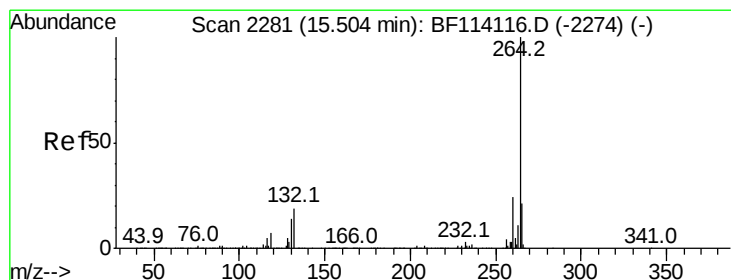
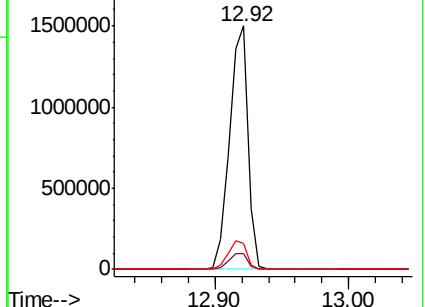
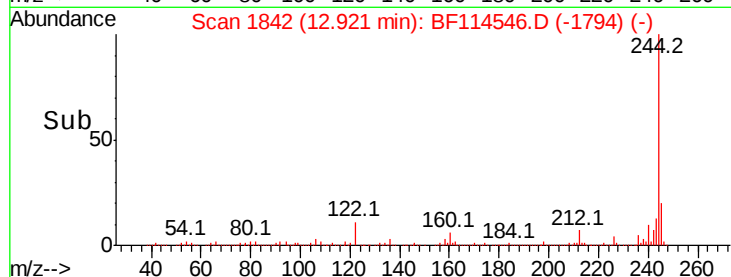
122 10.8 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF114546.D

Acq: 24 May 2019 1:33

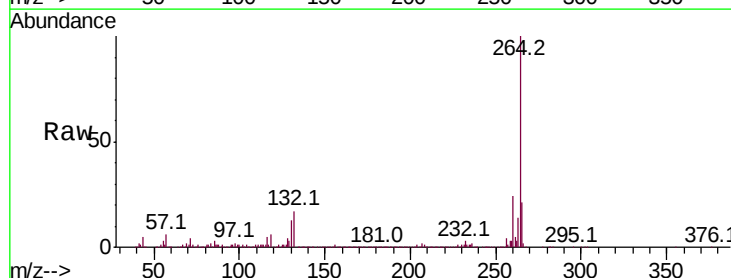
Tgt Ion:264 Resp: 467441

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 21.1 16.9 25.3



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

