

Data File : BF096915.D
Acq On : 20 Jul 2017 19:41
Operator : SJ/JU
Sample : I4312-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-209

Quant Time: Jul 21 03:27:19 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	90365	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	375272	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	177829	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	278500	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	170304	20.00	ng	-0.04
86) Perylene-d12	15.07	264	172014	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	591669	98.45	ng	-0.02
7) Phenol-d6	6.23	99	695278	96.40	ng	-0.02
23) Nitrobenzene-d5	7.13	82	406249	67.05	ng	-0.04
41) 2,4,6-Tribromophenol	10.39	330	147544	97.20	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	809986	71.96	ng	-0.03
78) Terphenyl-d14	12.66	244	525088	53.47	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.13	70	53818	12.39	ng	# 86
25) Isophorone	7.13	82	394243	34.98	ng	# 67
49) Dimethylphthalate	9.33	163	173572	12.96	ng	99
56) 2,4-Dinitrotoluene	9.60	165	23047	6.18	ng	# 34
66) 4-Bromophenyl-phenylether	10.39	248	8929	3.14	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.34	276	3440	3.67	ng	# 74

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

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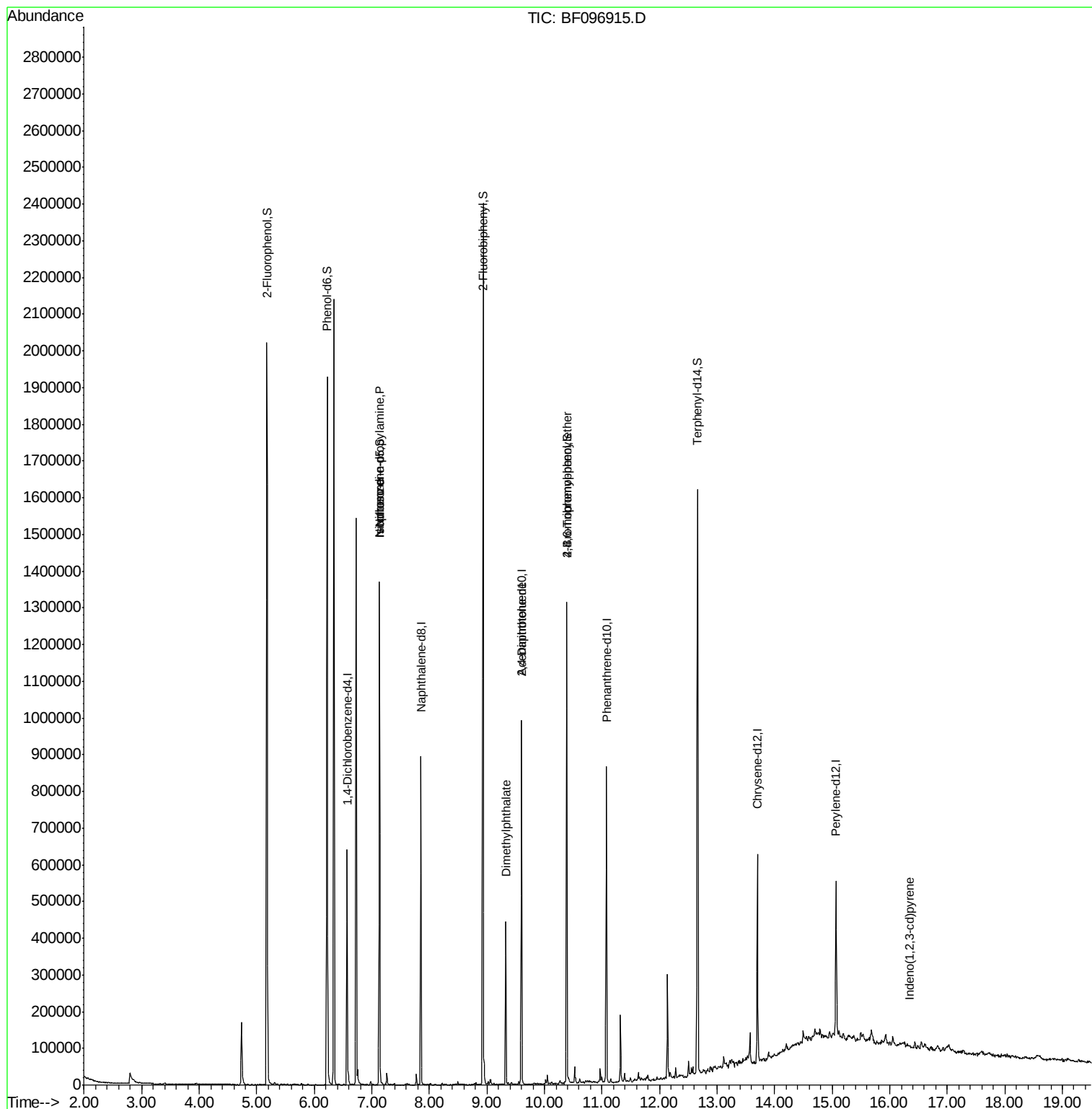
Quant Time: Jul 21 03:27:19 2017

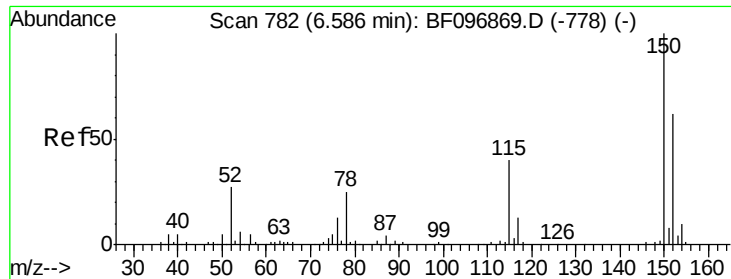
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 779

Delta R.T. -0.03 min

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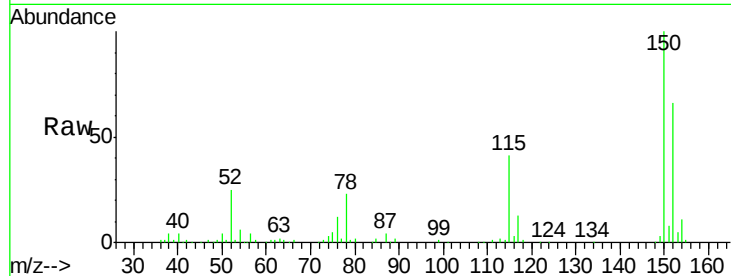
Tgt Ion:152 Resp: 90365

Ion Ratio Lower Upper

152 100

150 152.6 126.2 189.2

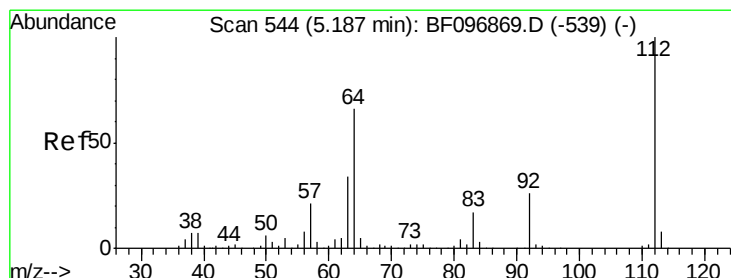
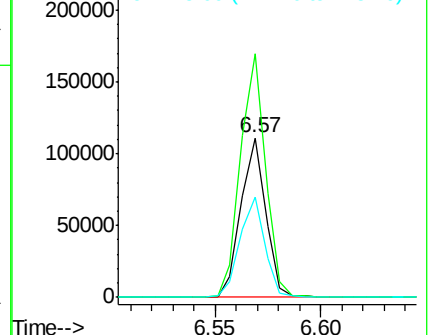
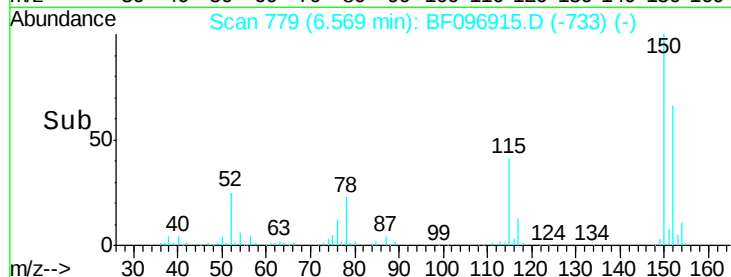
115 63.1 52.2 78.2



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: 98.45 ng

RT: 5.17 min Scan# 542

Delta R.T. -0.02 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

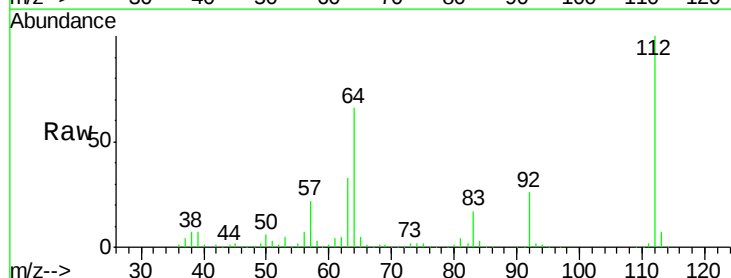
Tgt Ion:112 Resp: 591669

Ion Ratio Lower Upper

112 100

64 66.1 46.0 69.0

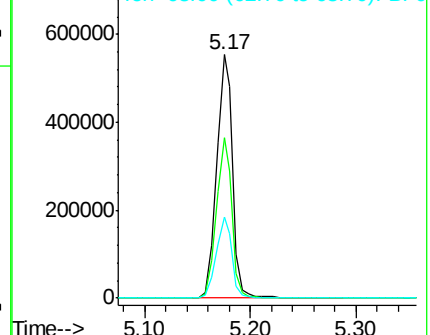
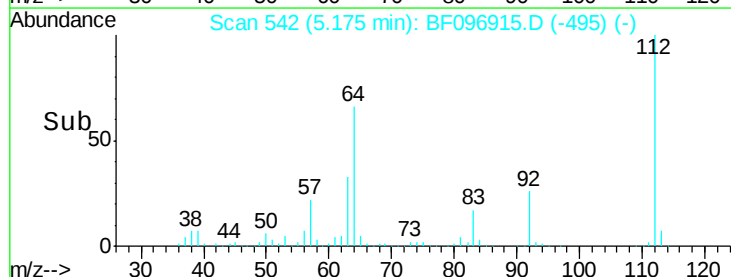
63 33.3 23.4 35.0

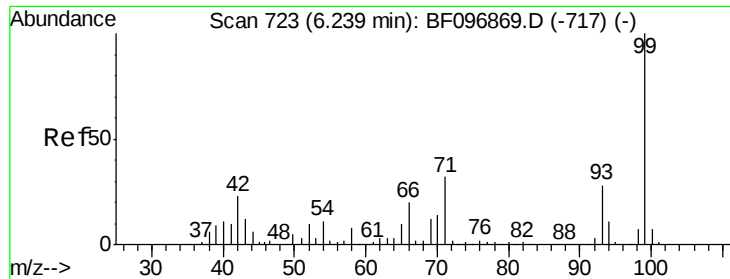


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.40 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

Instrument :

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ClientSampleId :

VNJ-209

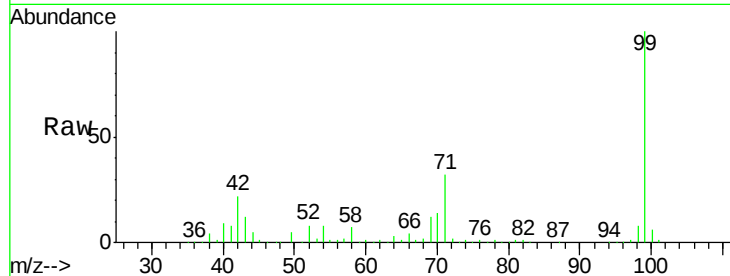
Tgt Ion: 99 Resp: 695278

Ion Ratio Lower Upper

99 100

42 22.1 13.5 20.3#

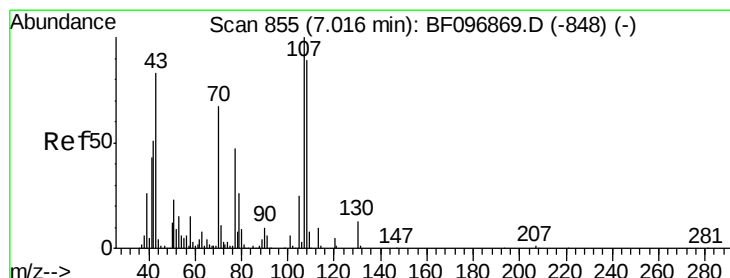
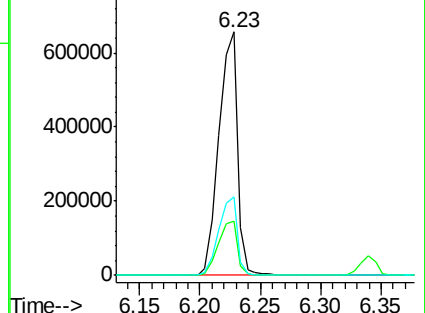
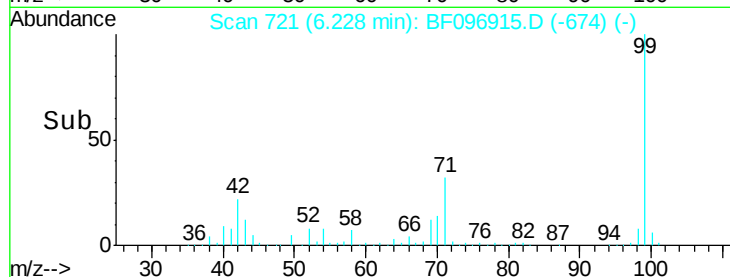
71 32.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.39 ng

RT: 7.13 min Scan# 875

Delta R.T. 0.11 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

Tgt Ion: 70 Resp: 53818

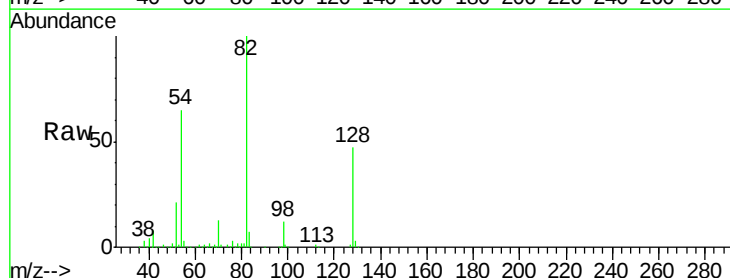
Ion Ratio Lower Upper

70 100

42 61.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

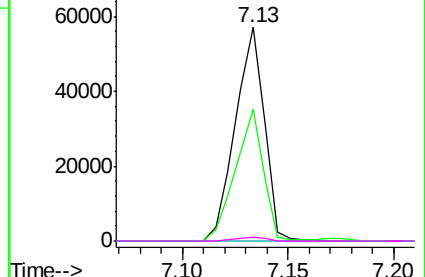
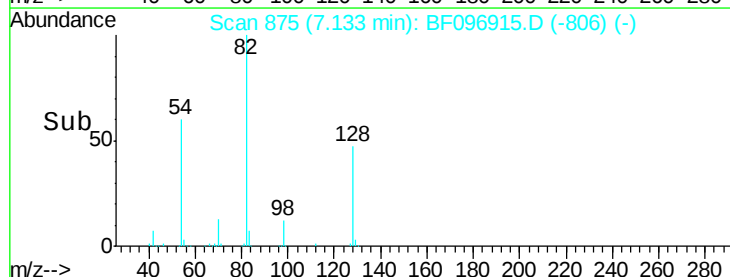


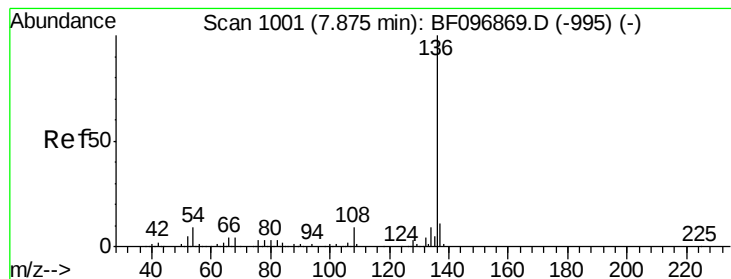
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 997

Delta R.T. -0.04 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

Instrument :

BNA_F

ClientSampleId :

VNJ-209

Tgt Ion:136 Resp: 375272

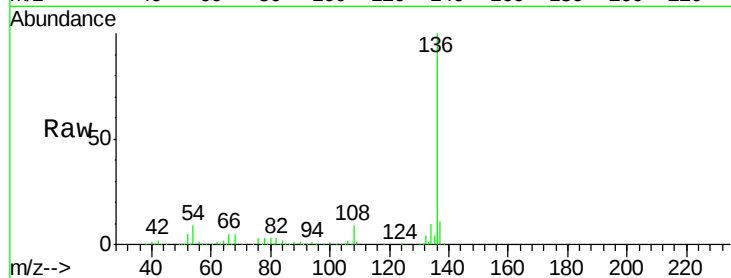
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.1 4.9 7.3#

68 4.7 4.1 6.1

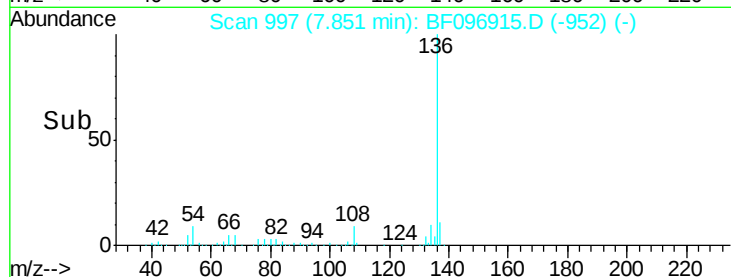


Abundance Ion 136.00 (135.70 to 136.70): E

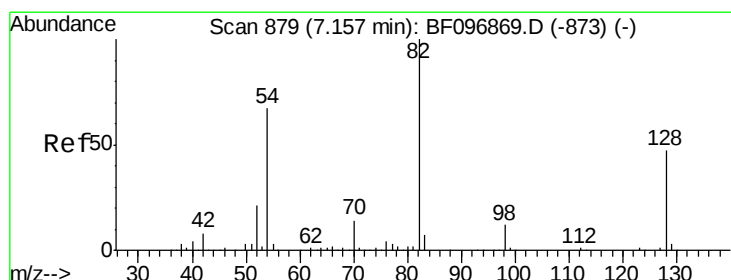
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 67.05 ng

RT: 7.13 min Scan# 875

Delta R.T. -0.04 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

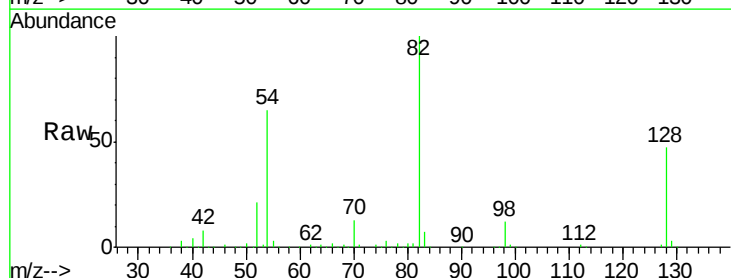
Tgt Ion: 82 Resp: 406249

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

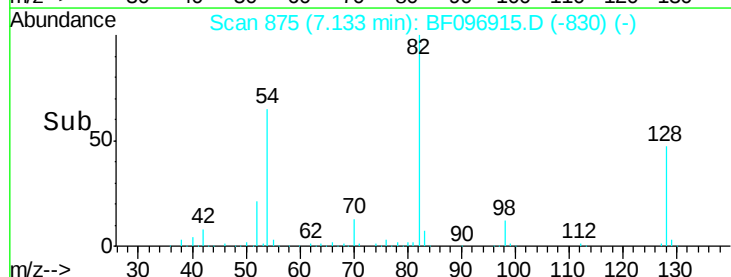
54 65.4 42.2 63.2#



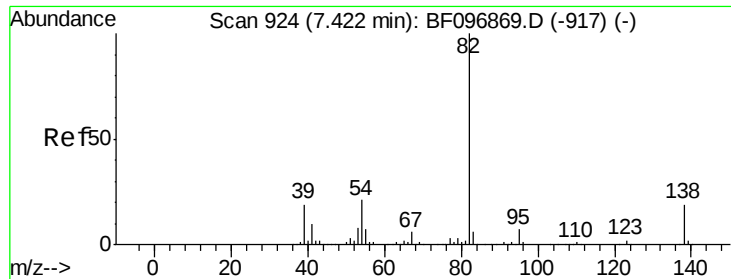
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 34.98 ng

RT: 7.13 min Scan# 875

Delta R.T. -0.30 min

Lab File: BF096915.D

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ClientSampleId :

VNJ-209

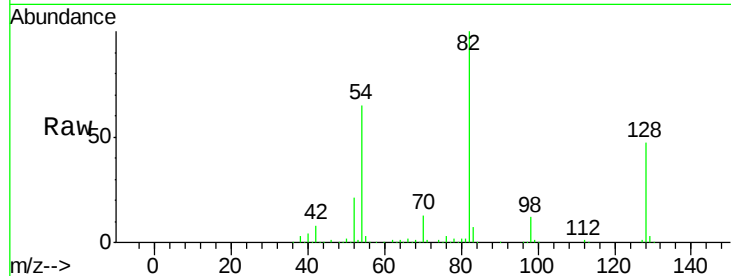
Tgt Ion: 82 Resp: 394243

Ion Ratio Lower Upper

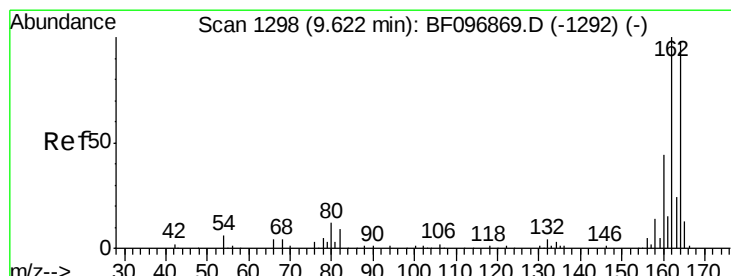
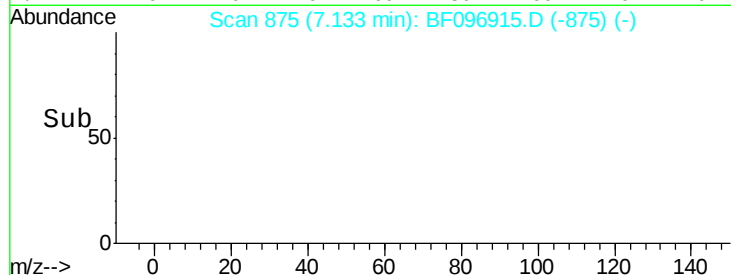
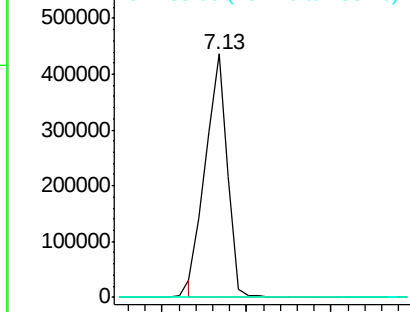
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

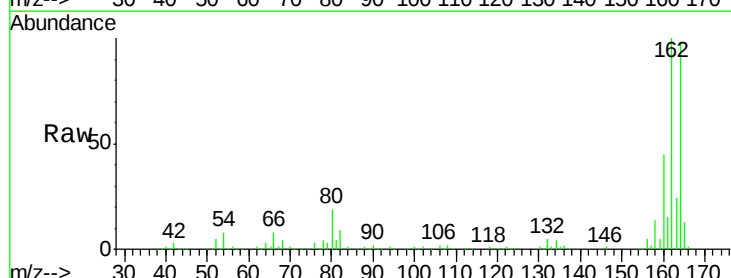
Tgt Ion: 164 Resp: 177829

Ion Ratio Lower Upper

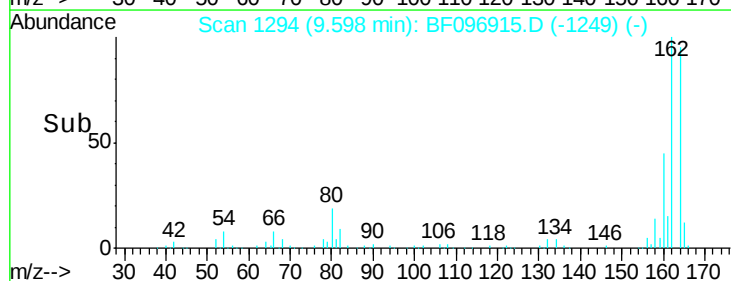
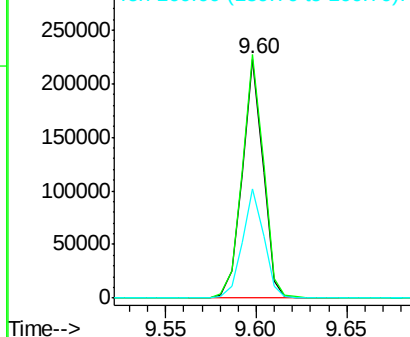
164 100

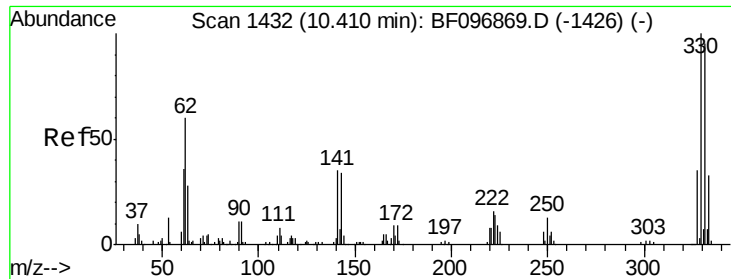
162 102.1 82.6 123.8

160 45.6 36.2 54.2



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

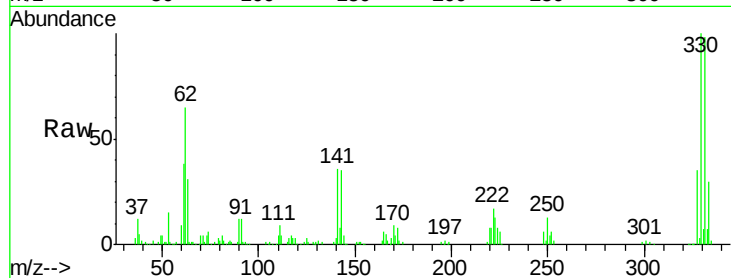




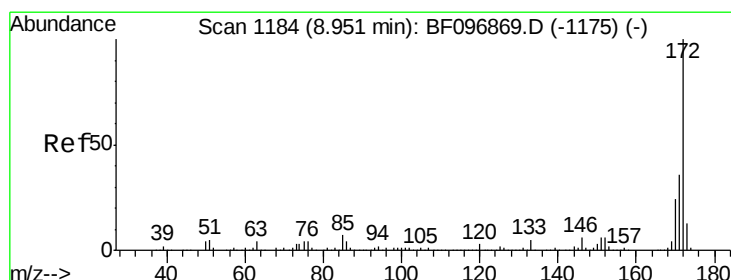
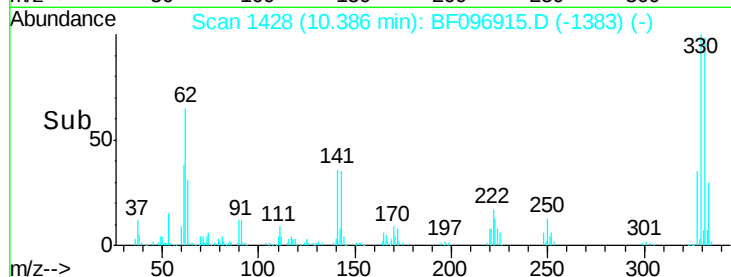
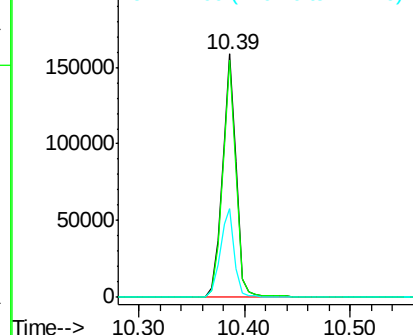
#41
 2,4,6-Tribromophenol
 Concen: 97.20 ng
 RT: 10.39 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096915.D
 Acq: 20 Jul 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

Tgt Ion: 330 Resp: 147544
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.6 115.0
 141 37.7 31.4 47.2

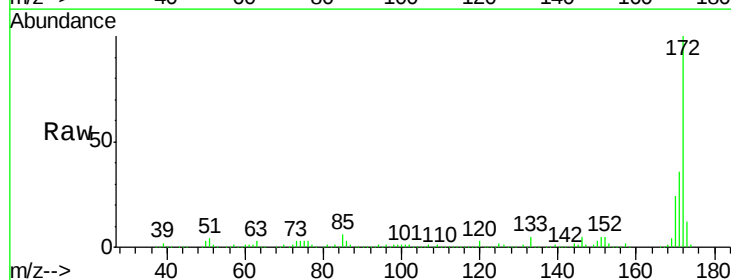


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

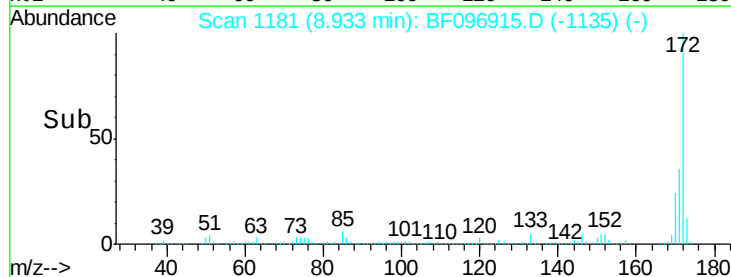
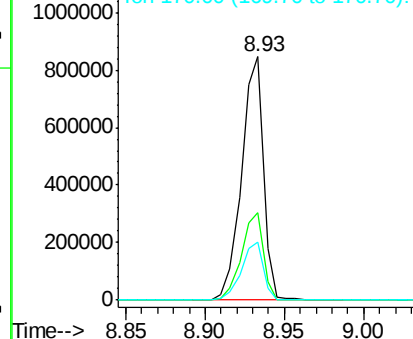


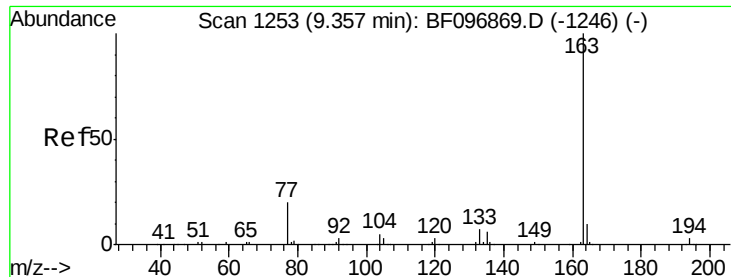
#44
 2-Fluorobiphenyl
 Concen: 71.96 ng
 RT: 8.93 min Scan# 1181
 Delta R.T. -0.03 min
 Lab File: BF096915.D
 Acq: 20 Jul 2017 19:41

Tgt Ion: 172 Resp: 809986
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.6 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: 12.96 ng

RT: 9.33 min Scan# 1248

Delta R.T. -0.04 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

Instrument :

BNA_F

ClientSampleId :

VNJ-209

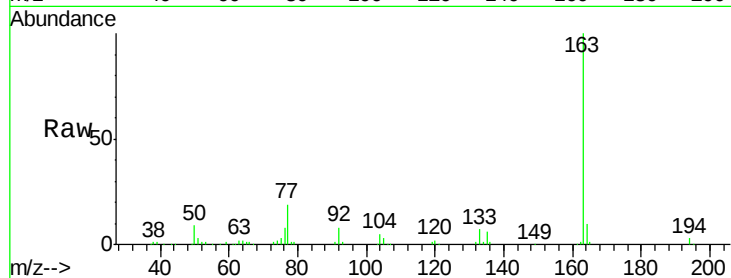
Tgt Ion:163 Resp: 173572

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

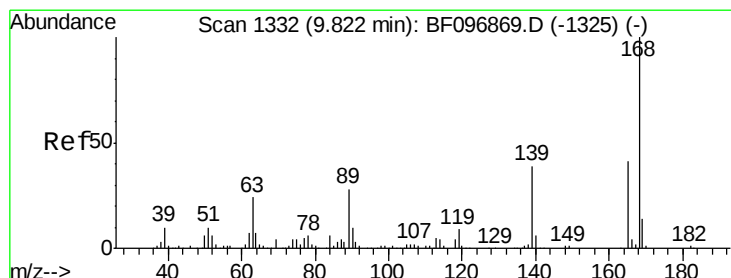
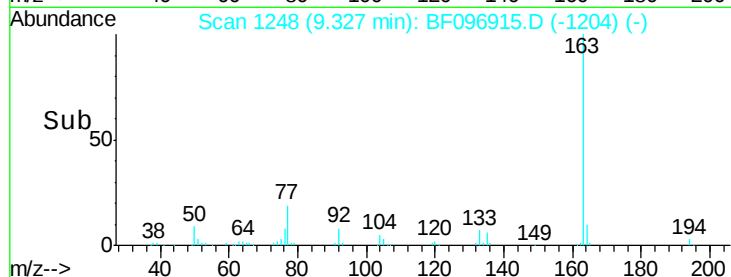
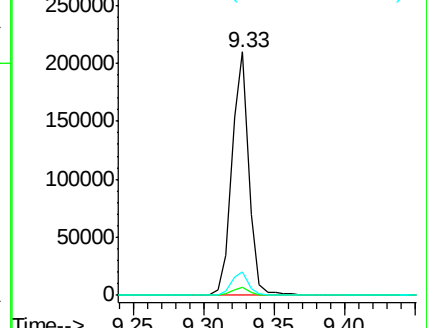
164 9.9 8.4 12.6



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: 6.18 ng

RT: 9.60 min Scan# 1294

Delta R.T. -0.23 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

Tgt Ion:165 Resp: 23047

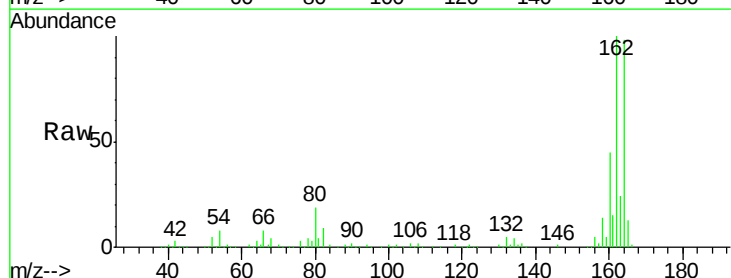
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

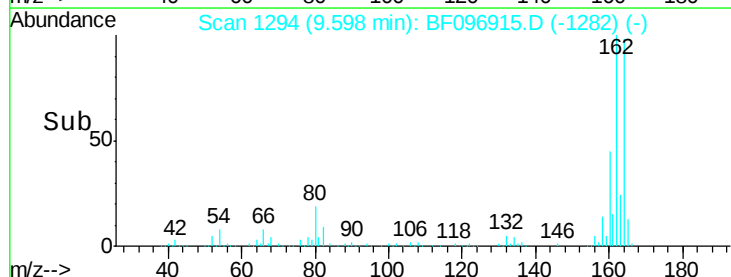
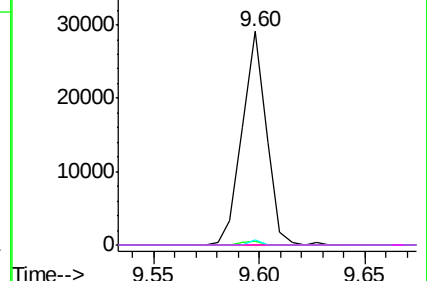


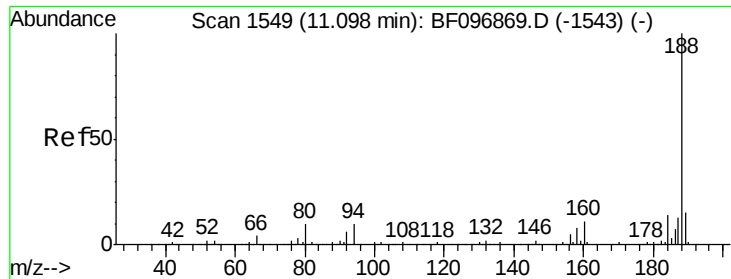
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

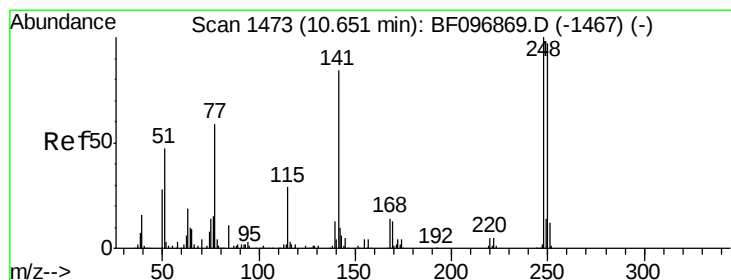
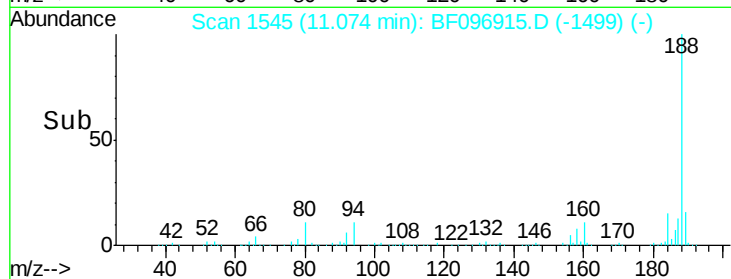
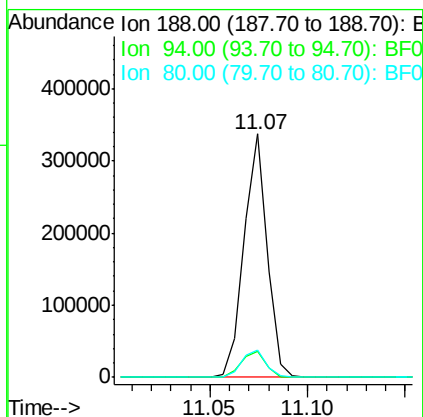
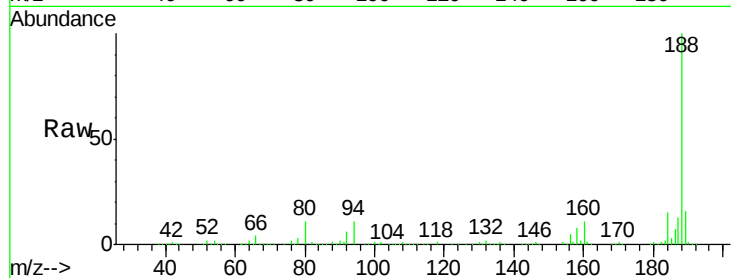




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 1545
Delta R.T. -0.03 min
Lab File: BF096915.D
Acq: 20 Jul 2017 19:41

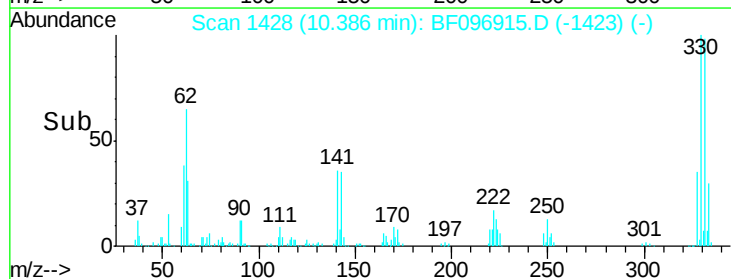
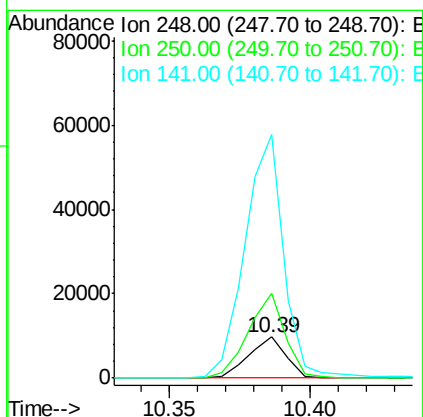
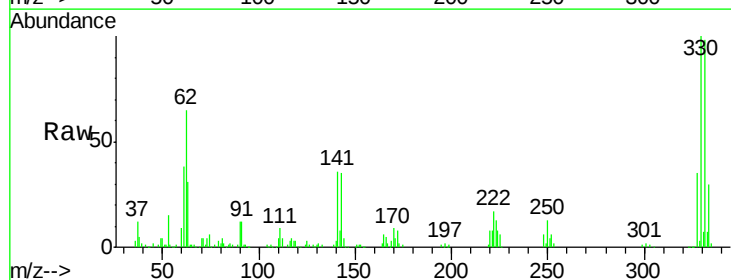
Instrument :
BNA_F
ClientSampleId :
VNJ-209

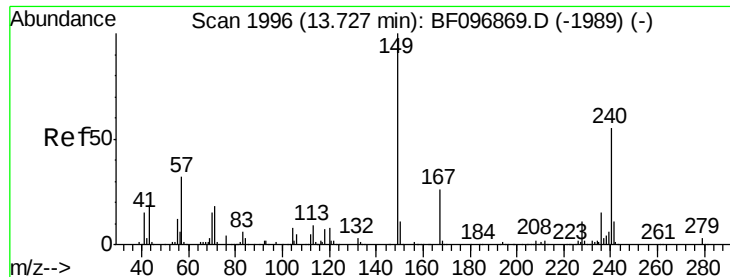
Tgt Ion:188 Resp: 278500
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.2 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 10.39 min Scan# 1428
Delta R.T. -0.27 min
Lab File: BF096915.D
Acq: 20 Jul 2017 19:41

Tgt Ion:248 Resp: 8929
Ion Ratio Lower Upper
248 100
250 206.7 76.8 115.2#
141 590.7 68.6 103.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1991

Delta R.T. -0.04 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

Instrument :

BNA_F

ClientSampled :

VNJ-209

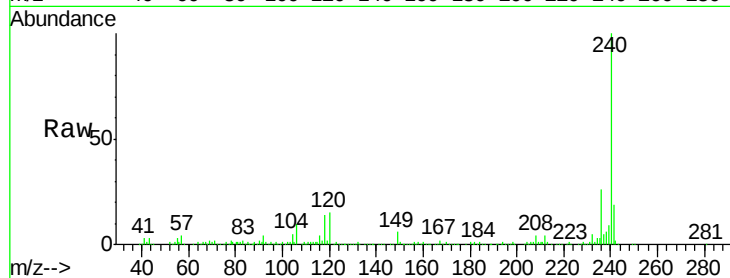
Tgt Ion:240 Resp: 170304

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

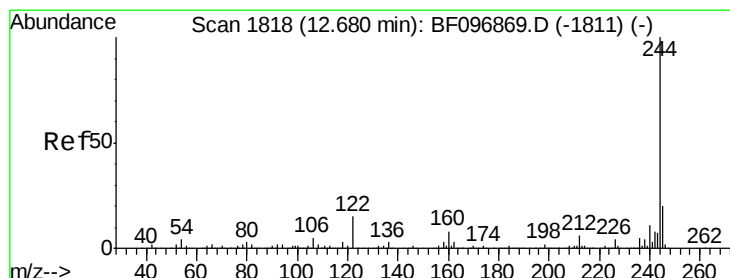
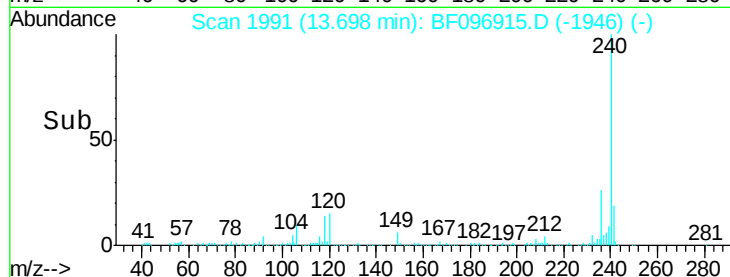
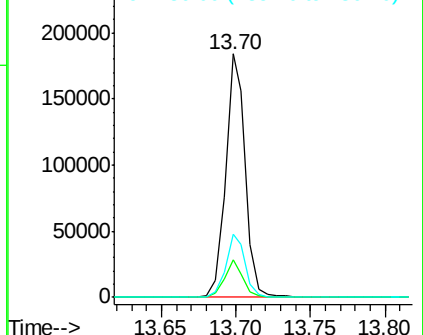
236 25.9 20.5 30.7



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: 53.47 ng

RT: 12.66 min Scan# 1814

Delta R.T. -0.04 min

Lab File: BF096915.D

Acq: 20 Jul 2017 19:41

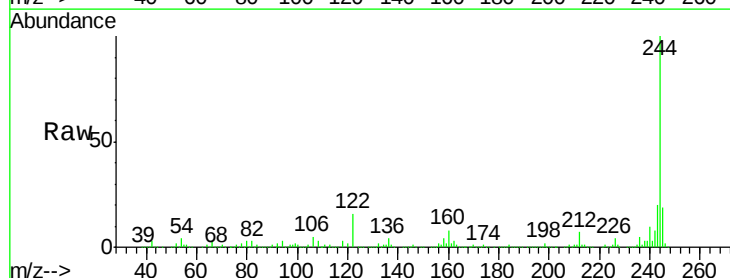
Tgt Ion:244 Resp: 525088

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

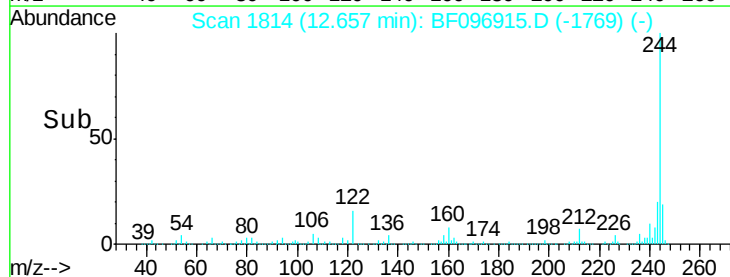
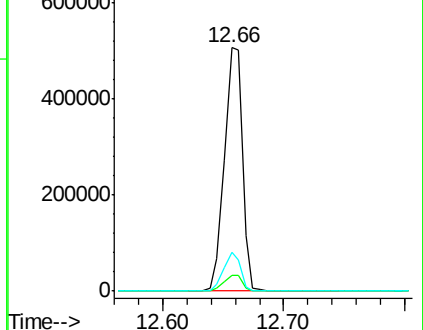
122 15.8 10.3 15.5#

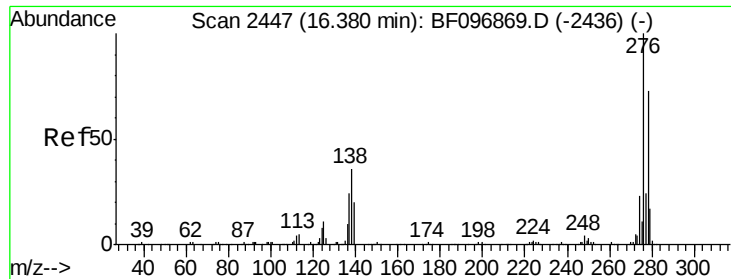


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

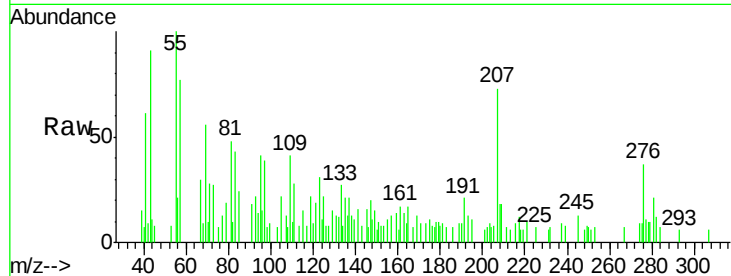




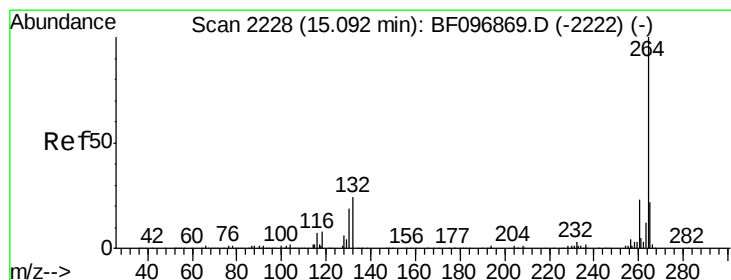
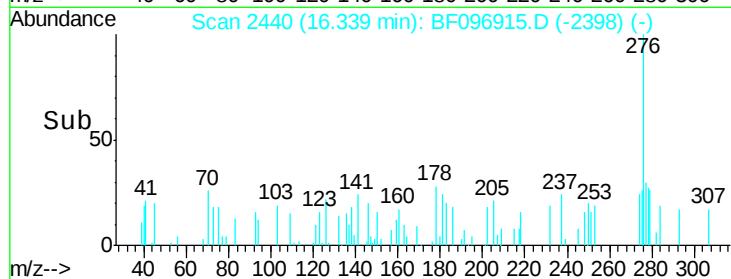
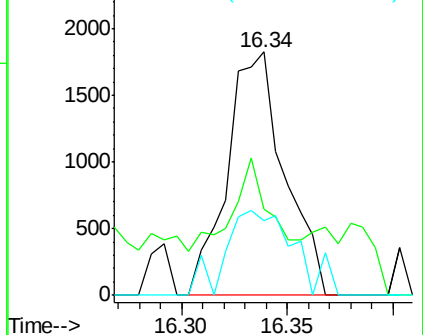
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.67 ng
 RT: 16.34 min Scan# 2440
 Delta R.T. -0.05 min
 Lab File: BF096915.D
 Acq: 20 Jul 2017 19:41

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

Tgt Ion: 276 Resp: 3440
 Ion Ratio Lower Upper
 276 100
 138 22.9 27.8 41.6#
 277 42.1 20.2 30.4#

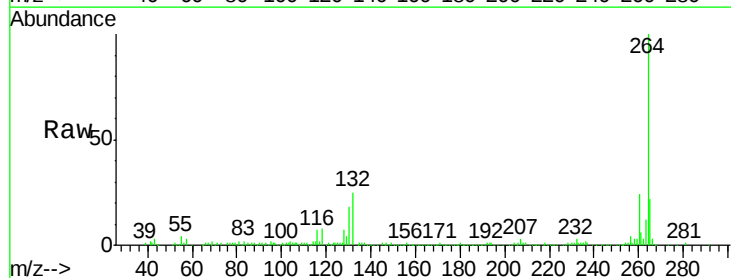


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 2224
 Delta R.T. -0.04 min
 Lab File: BF096915.D
 Acq: 20 Jul 2017 19:41

Tgt Ion: 264 Resp: 172014
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.2 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

