

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098314.D
 Acq On : 7 Sep 2017 15:29
 Operator : SJ/JU
 Sample : I5075-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Quant Time: Sep 07 17:11:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	99401	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	386978	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	160687	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	271744	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	241320	20.00	ng	-0.02
86) Perylene-d12	15.25	264	214129	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	385464	58.99	ng	-0.02
7) Phenol-d6	6.33	99	516197	58.14	ng	-0.02
23) Nitrobenzene-d5	7.25	82	299699	42.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	74199	53.22	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	427756	39.11	ng	-0.02
78) Terphenyl-d14	12.79	244	307307	26.56	ng	-0.02

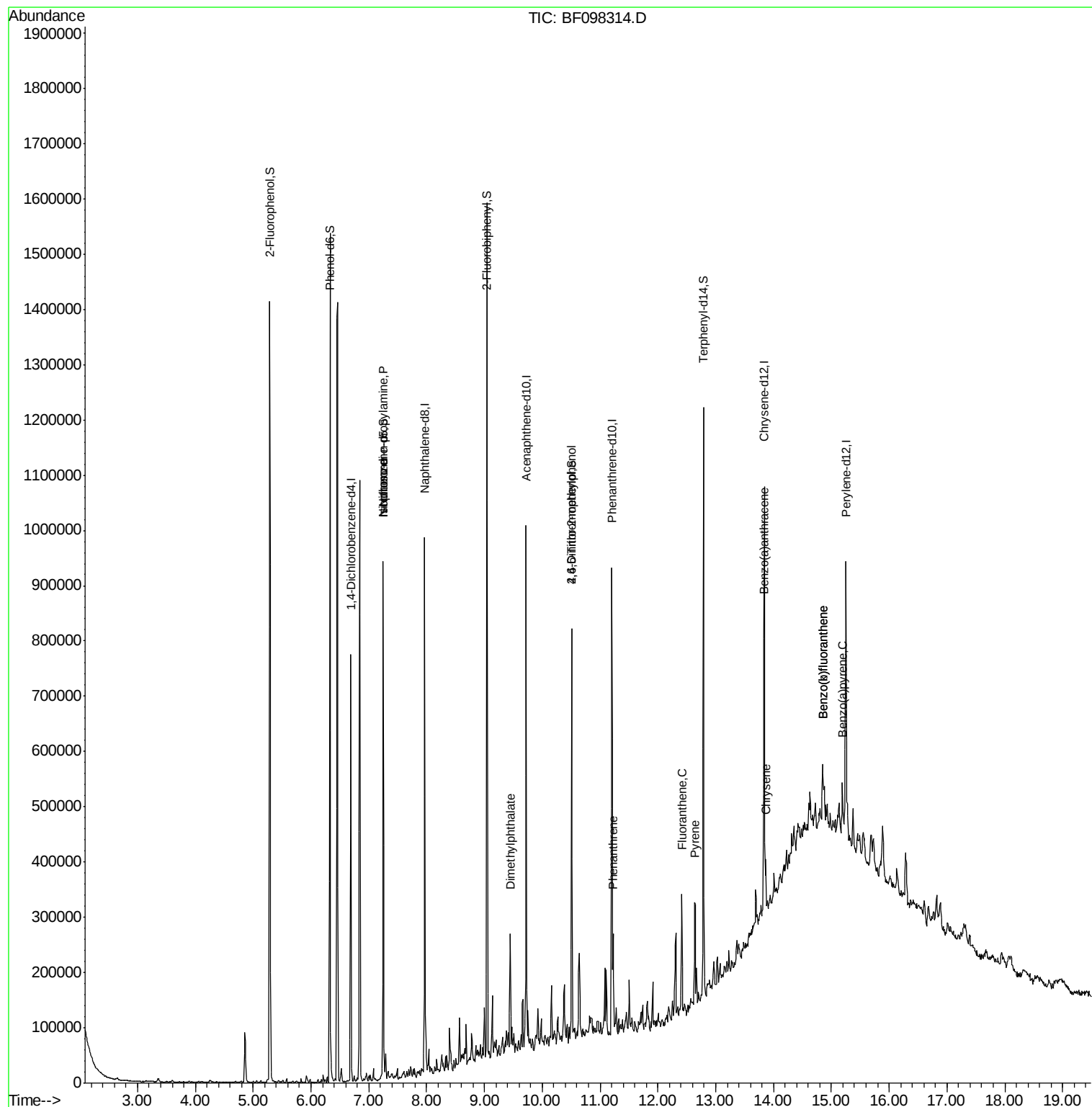
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	38673	6.363	ng	# 72
25) Isophorone	7.25	82	299695	20.233	ng	# 67
49) Dimethylphthalate	9.45	163	55738	4.745	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.51	198	109	8.391	ng	# 1
70) Phenanthrene	11.23	178	56017	3.868	ng	98
74) Fluoranthene	12.42	202	77875	5.152	ng	100
77) Pyrene	12.65	202	78012	3.953	ng	98
80) Benzo(a)anthracene	13.83	228	39394	2.724	ng	93
82) Chrysene	13.86	228	38423	2.671	ng	# 94
87) Benzo(b)fluoranthene	14.85	252	59760	4.428	ng	# 83
88) Benzo(k)fluoranthene	14.85	252	59760	4.713	ng	# 87
89) Benzo(a)pyrene	15.19	252	30900	2.586	ng	# 81

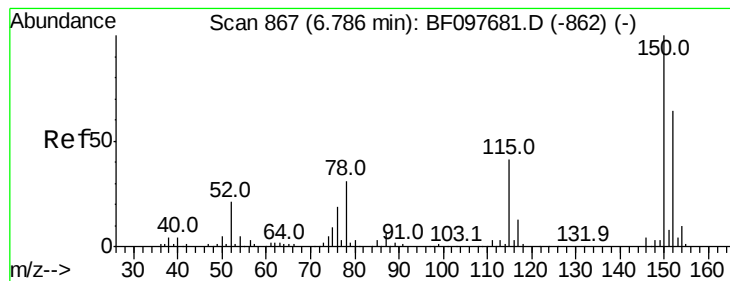
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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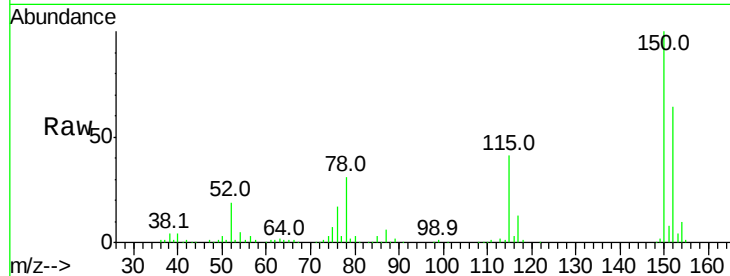


#1

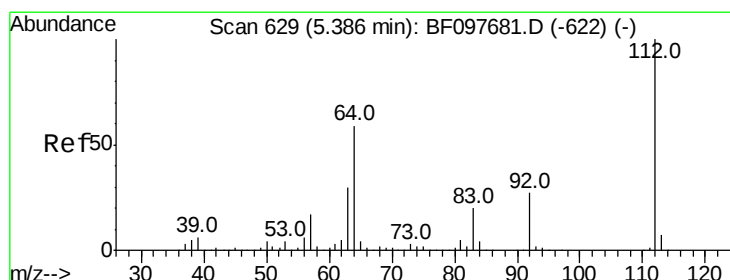
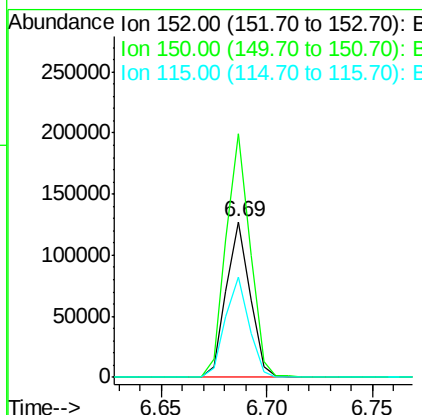
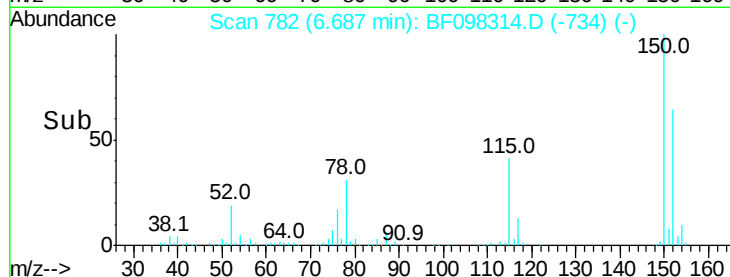
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Tot Ion:152 Resp: 99401
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 64.0 52.2 78.2



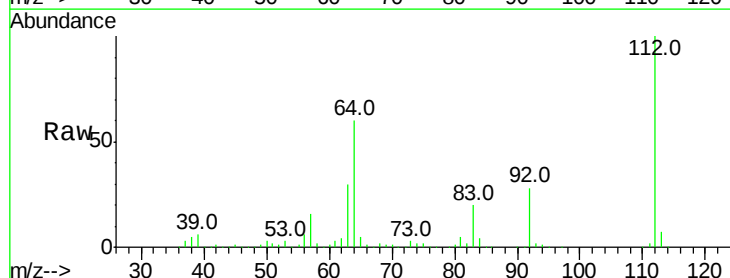
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



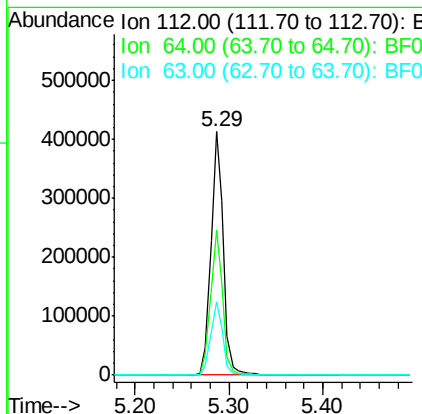
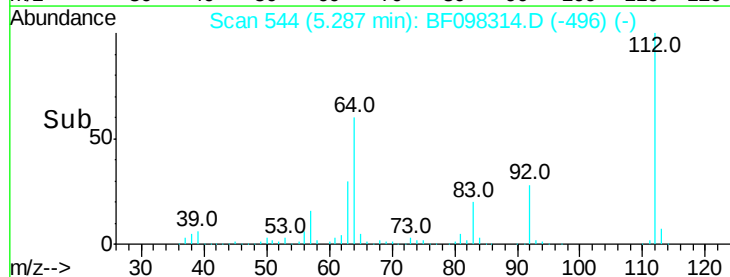
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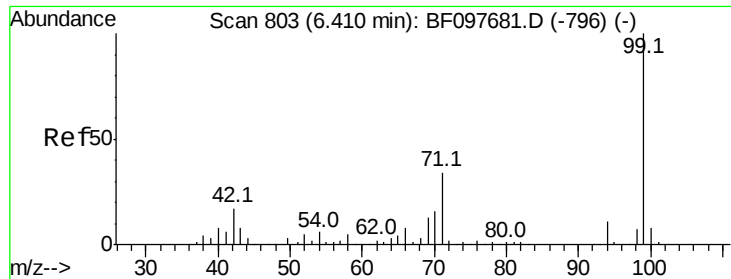
2-Fluorophenol
 Concen: 58.985 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Tgt Ion:112 Resp: 385464
 Ion Ratio Lower Upper
 112 100
 64 59.7 46.0 69.0
 63 30.4 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: 58.136 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

Instrument :

BNA_F

ClientSampleId :

VNJ-221

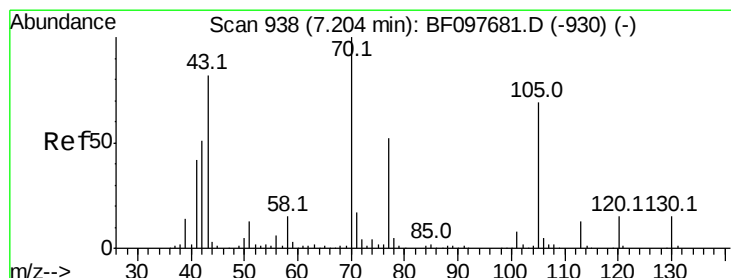
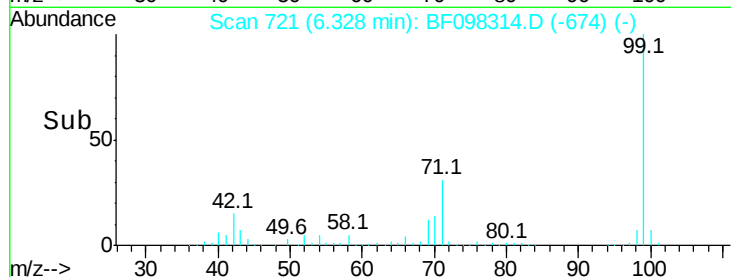
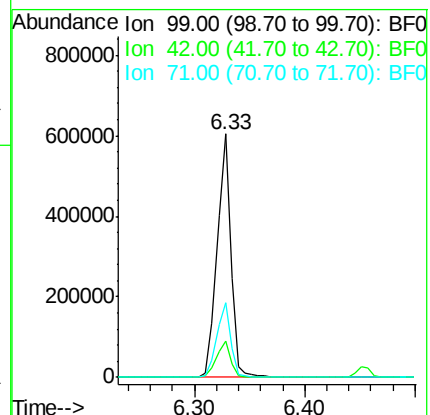
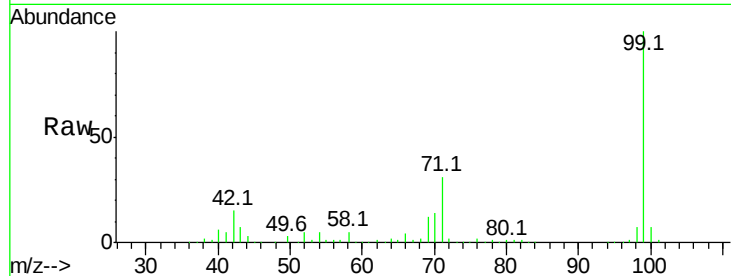
Tot Ion: 99 Resp: 516197

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

71 30.9 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.363 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

Tgt Ion: 70 Resp: 38673

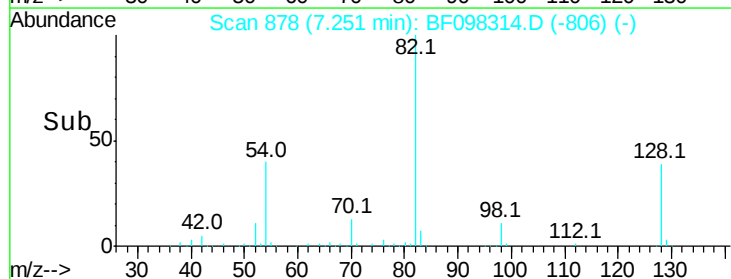
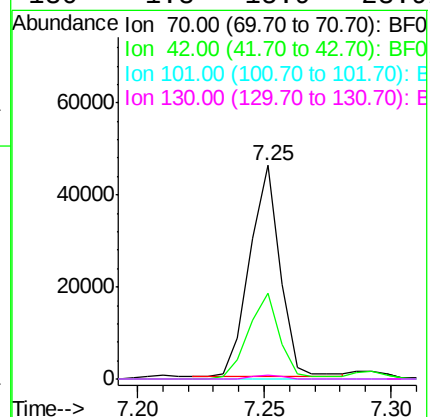
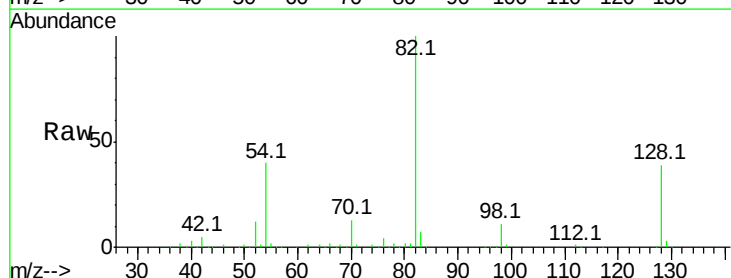
Ion Ratio Lower Upper

70 100

42 40.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

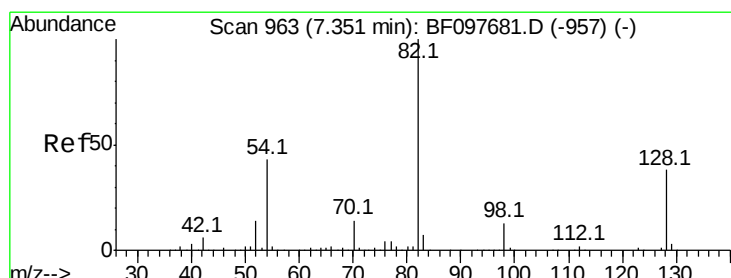
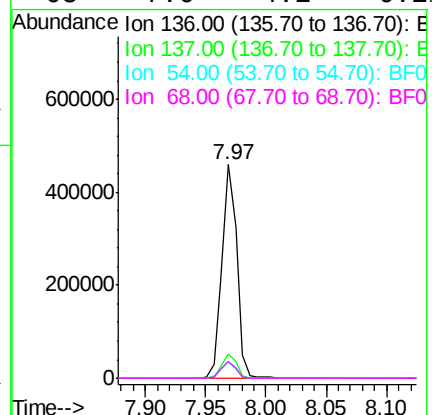
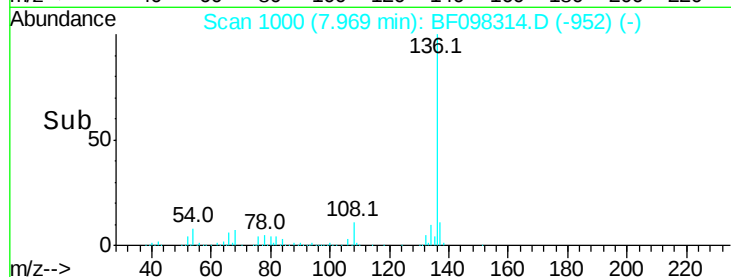
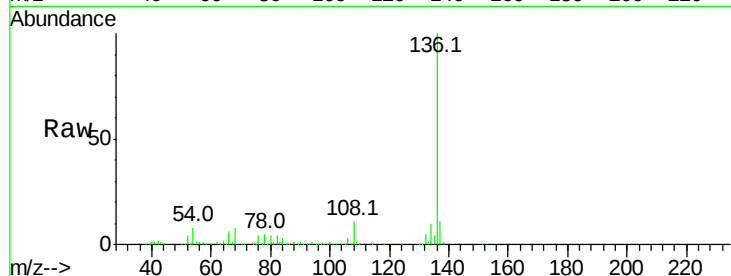




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

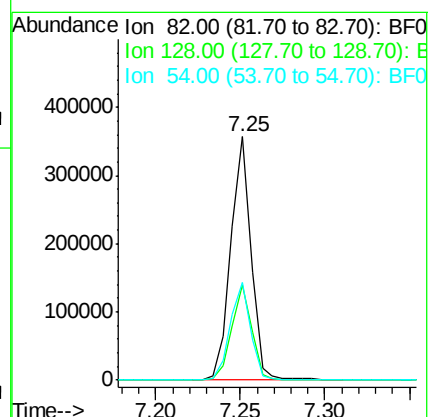
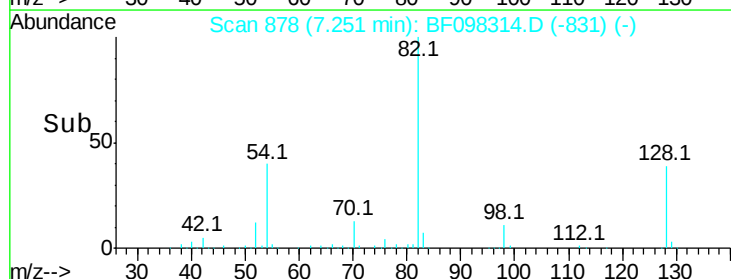
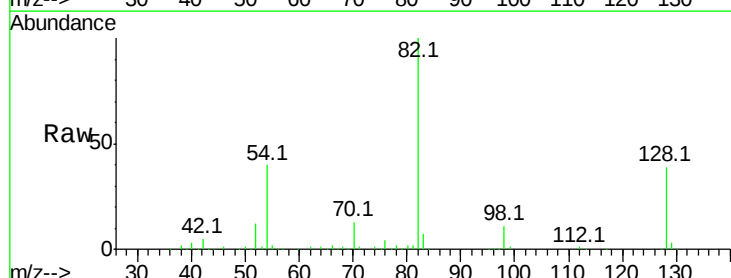
Instrument :
BNA_F
ClientSampleId :
VNJ-221

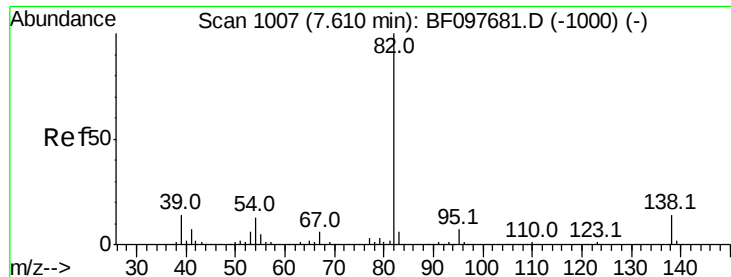
Tot Ion:	136	Resp:	386978
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	7.6	4.9	7.3#
68	7.6	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 42.072 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

Tgt Ion:	82	Resp:	299699
Ion	Ratio	Lower	Upper
82	100		
128	39.2	34.0	51.0
54	40.0	42.2	63.2#

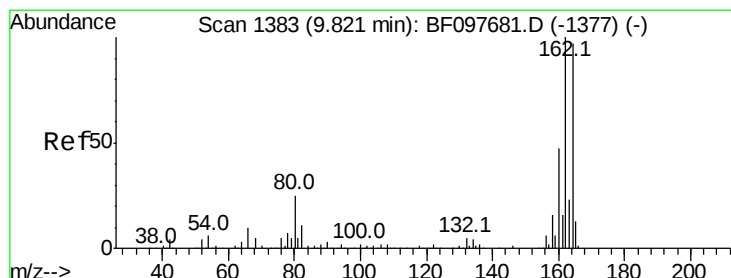
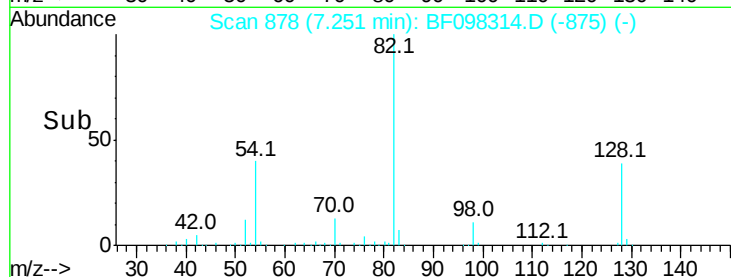
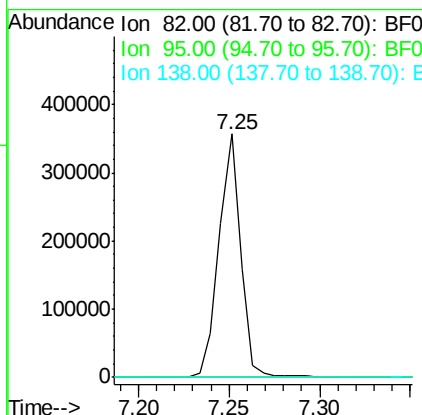
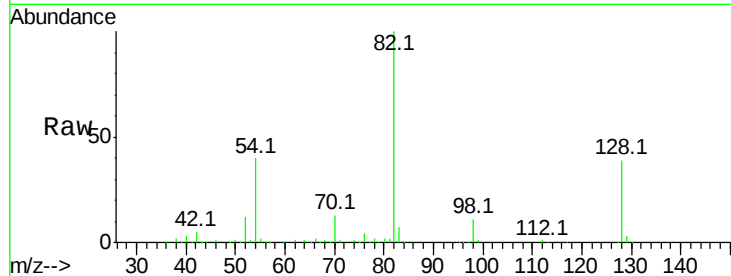




#25
Isophorone
Concen: 20.233 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

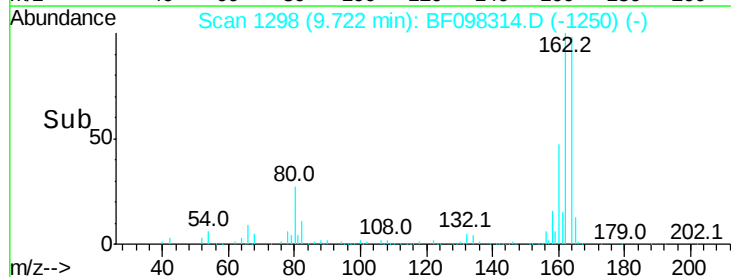
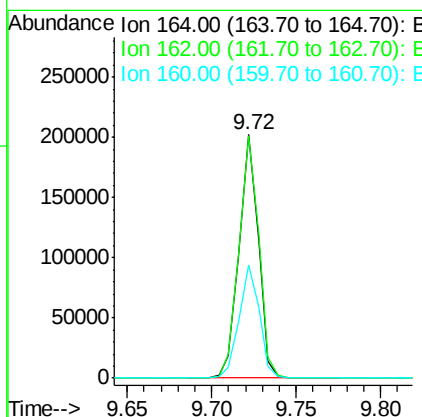
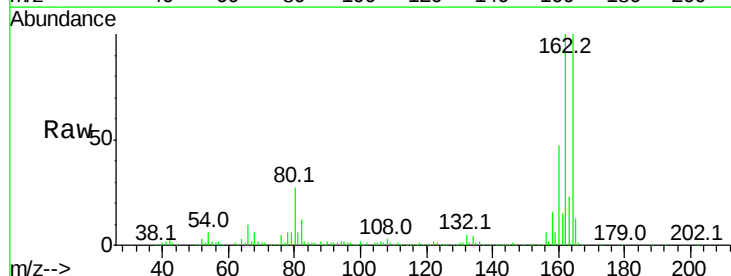
Instrument :
BNA_F
ClientSampleId :
VNJ-221

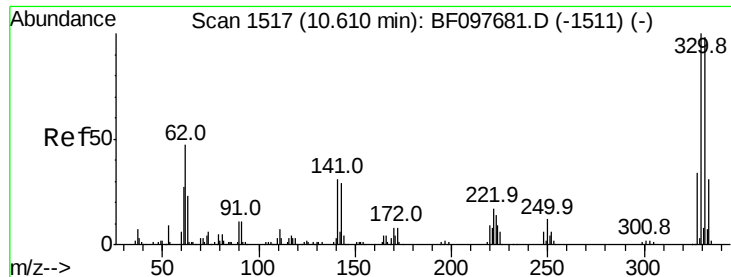
Tot Ion: 82 Resp: 299695
Ion Ratio Lower Upper
82 100
95 0.1 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

Tgt Ion:164 Resp: 160687
Ion Ratio Lower Upper
164 100
162 99.7 82.6 123.8
160 46.6 36.2 54.2

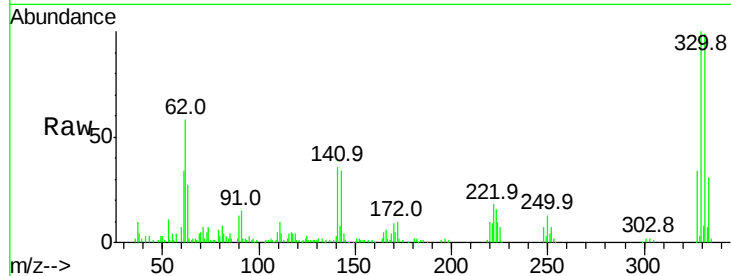




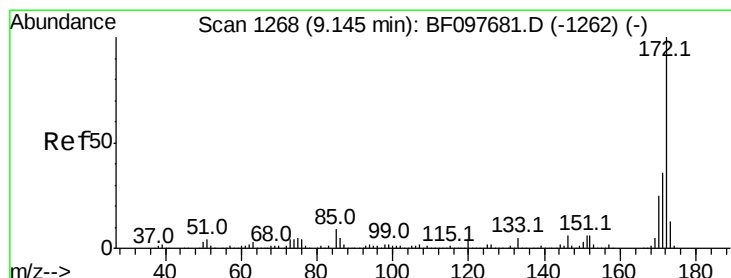
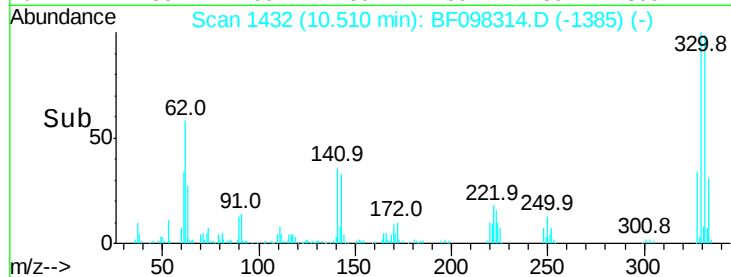
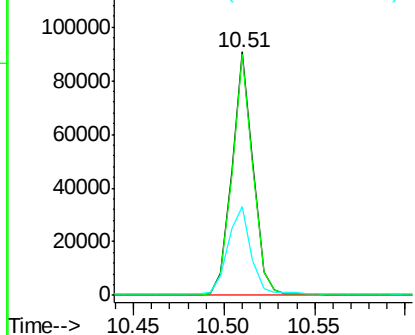
#41
 2,4,6-Tribromophenol
 Concen: 53.219 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Tot Ion:330 Resp: 74199
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 38.3 31.4 47.2

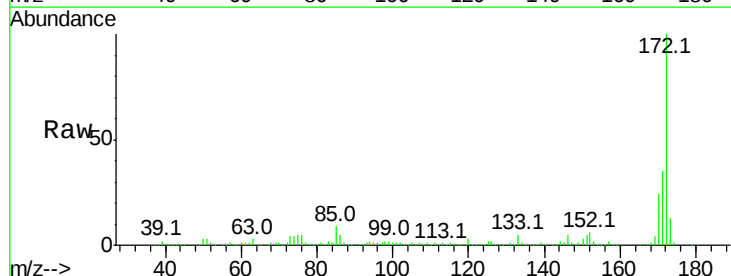


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

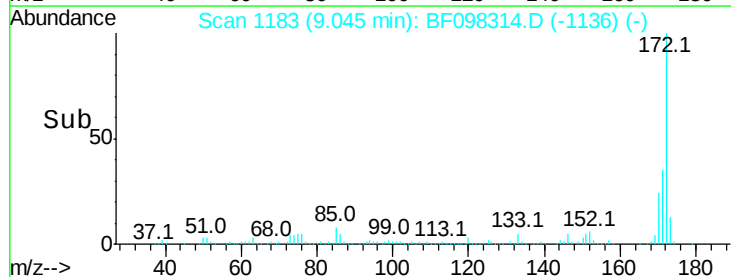
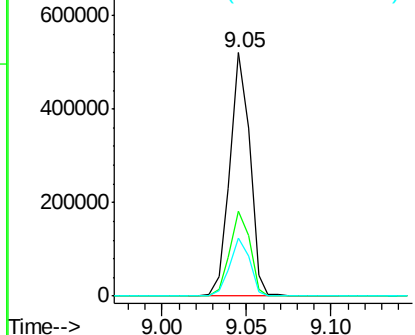


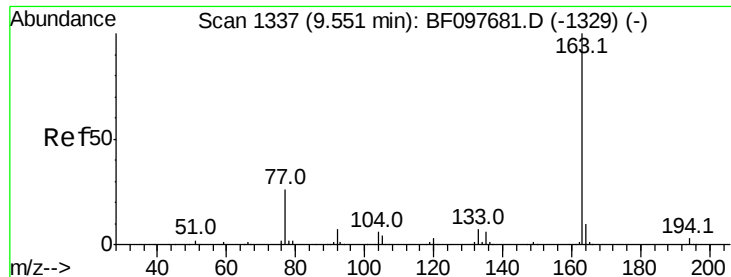
#44
 2-Fluorobiphenyl
 Concen: 39.111 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Tgt Ion:172 Resp: 427756
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 23.9 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

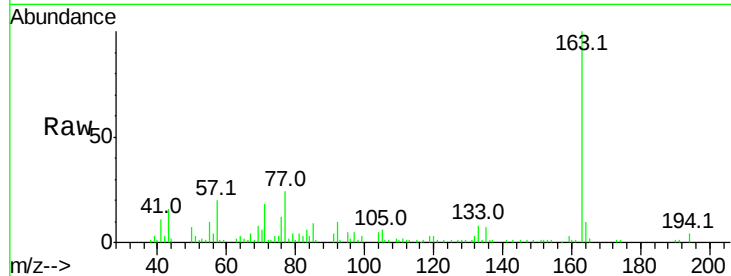




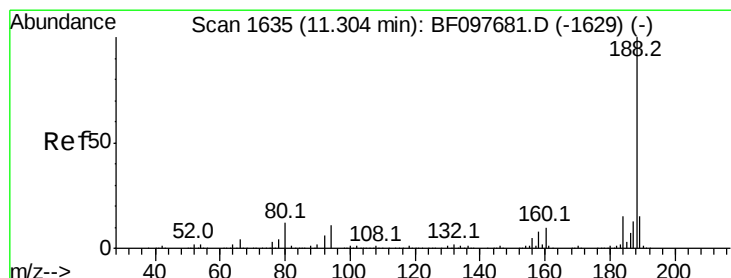
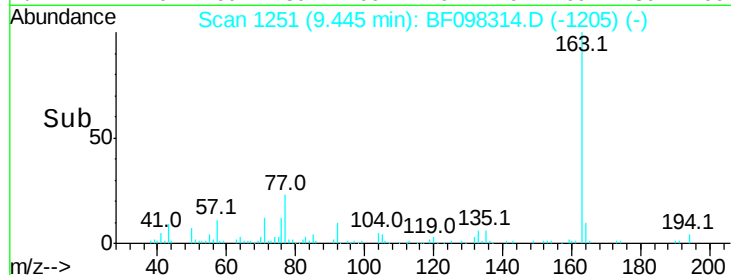
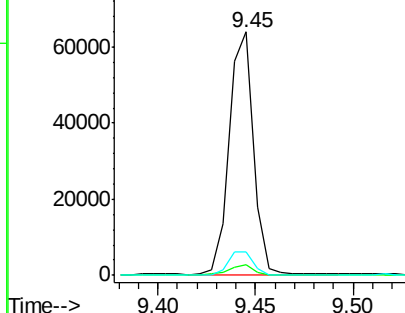
#49
Dimethylphthalate
Concen: 4.745 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tot Ion:163 Resp: 55738
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.8 8.4 12.6

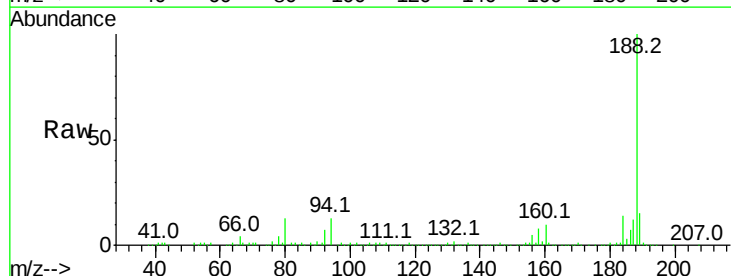


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

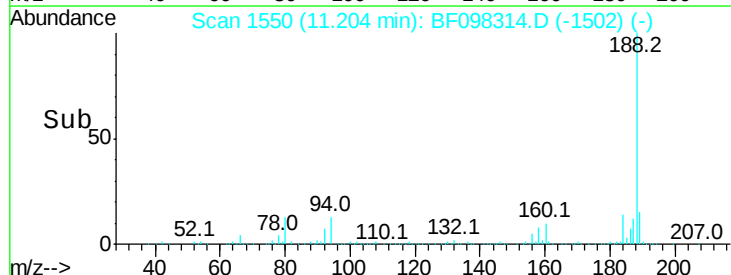
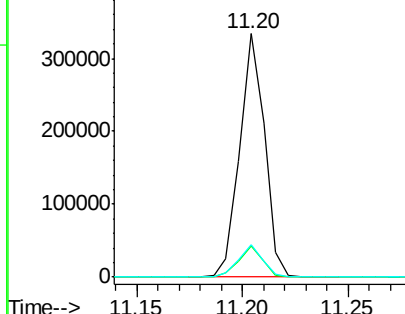


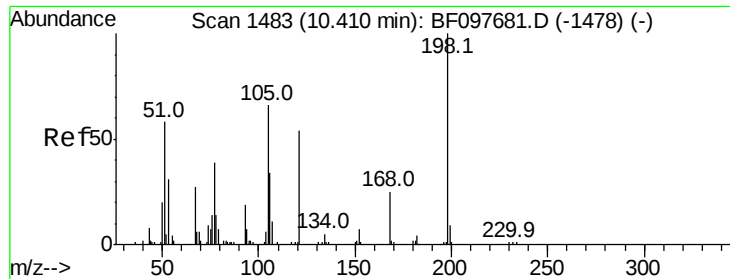
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

Tgt Ion:188 Resp: 271744
Ion Ratio Lower Upper
188 100
94 12.7 9.4 14.2
80 13.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

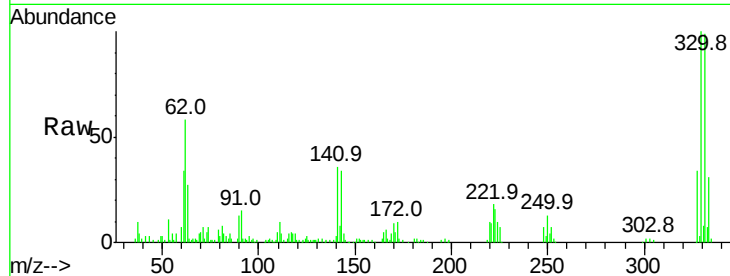




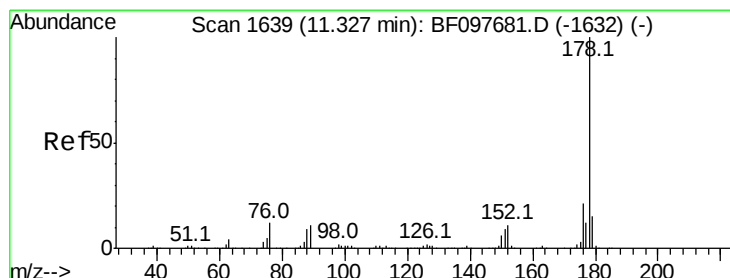
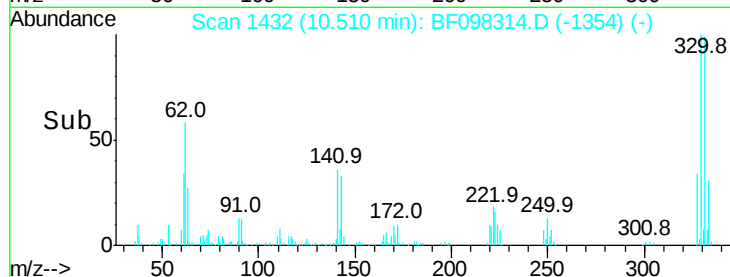
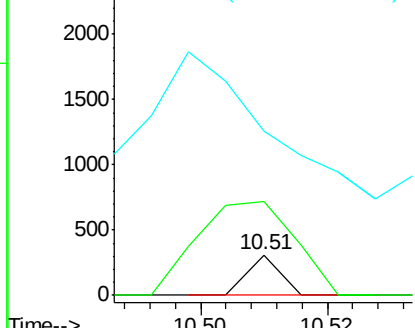
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.391 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.16 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Tot Ion:198 Resp: 109
 Ion Ratio Lower Upper
 198 100
 51 233.2 53.2 93.2#
 105 405.2 45.8 85.8#

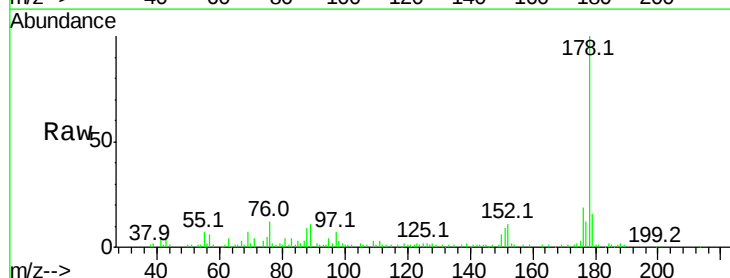


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

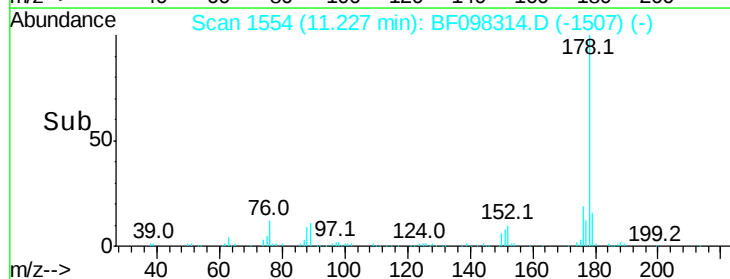
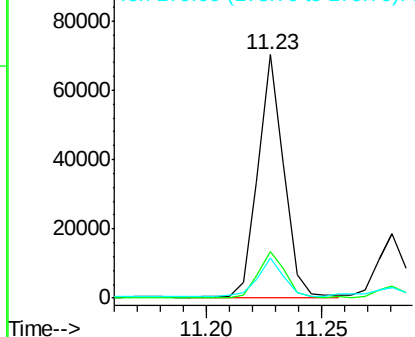


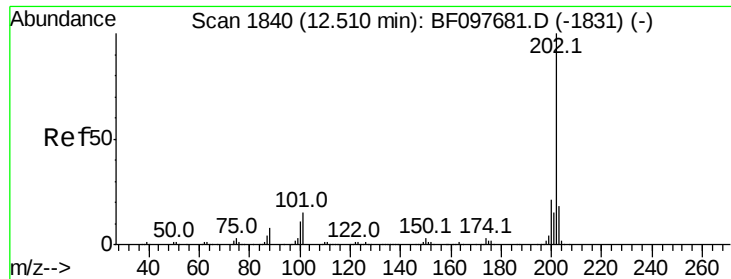
#70
 Phenanthrene
 Concen: 3.868 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Tgt Ion:178 Resp: 56017
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 16.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

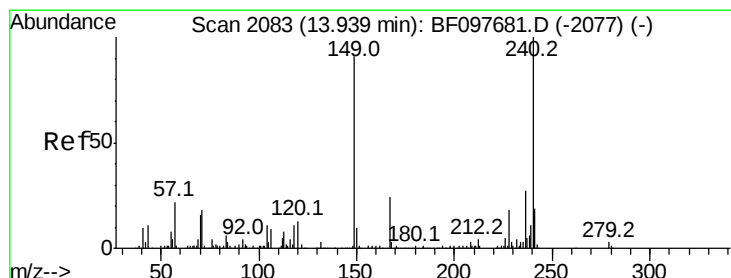
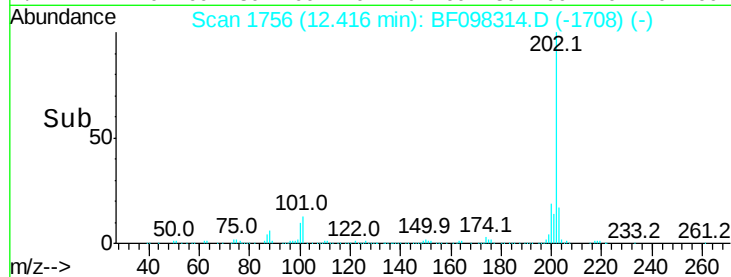
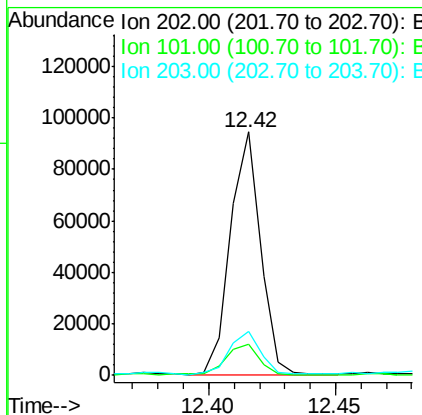
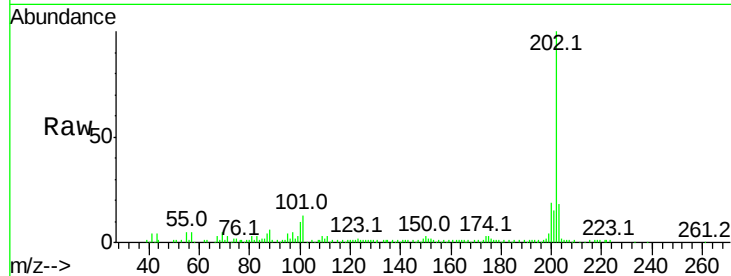




#74
 Fluoranthene
 Concen: 5.152 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

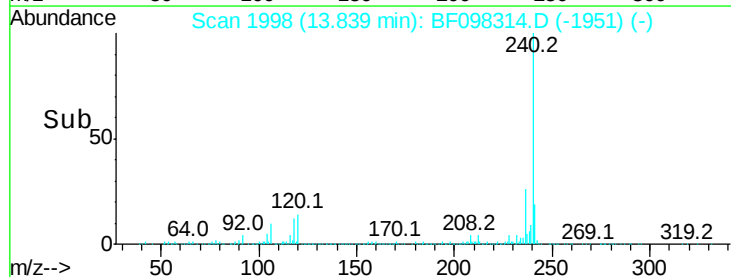
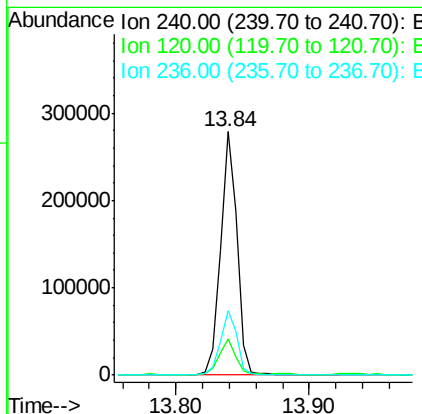
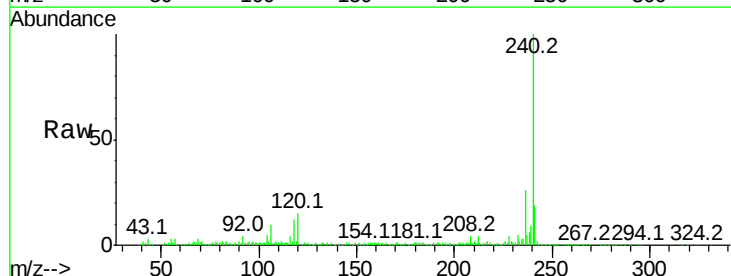
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

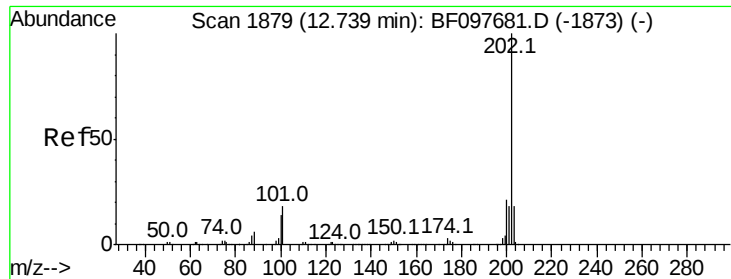
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BF098314.D
 Acq: 7 Sep 2017 15:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	26.2	20.5	30.7





#77

Pvrene

Concen: 3.953 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

Instrument :

BNA_F

ClientSampled :

VNJ-221

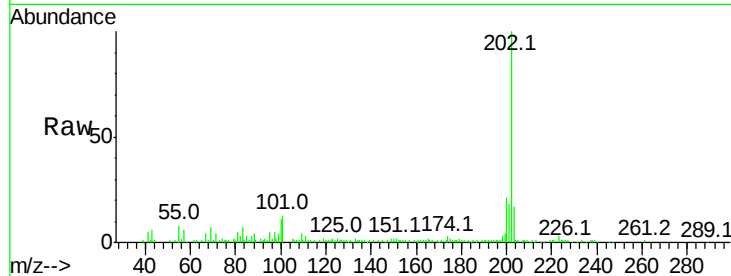
Tot Ion:202 Resp: 78012

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

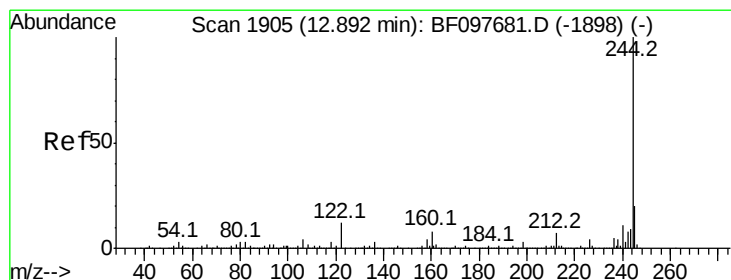
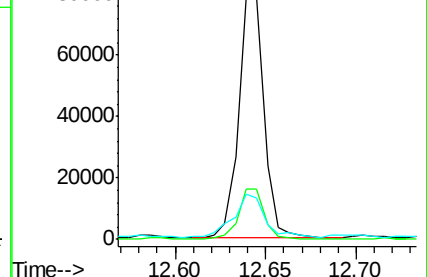
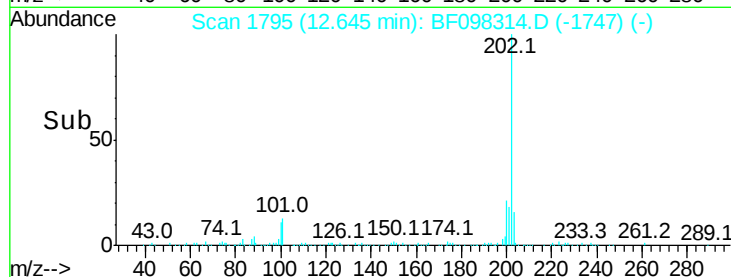
203 17.1 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 26.556 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

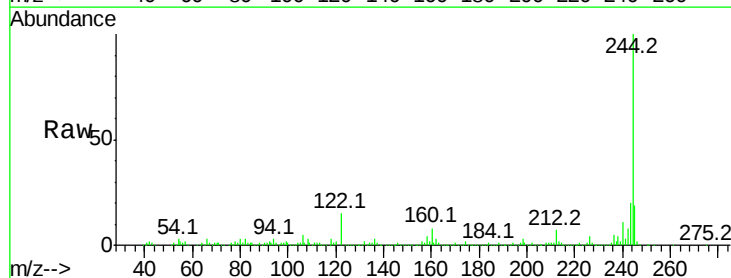
Tgt Ion:244 Resp: 307307

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

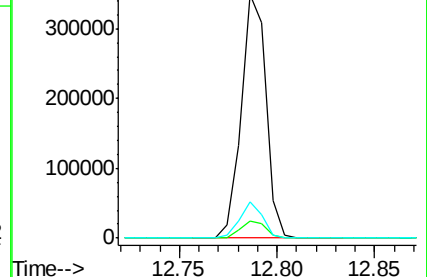
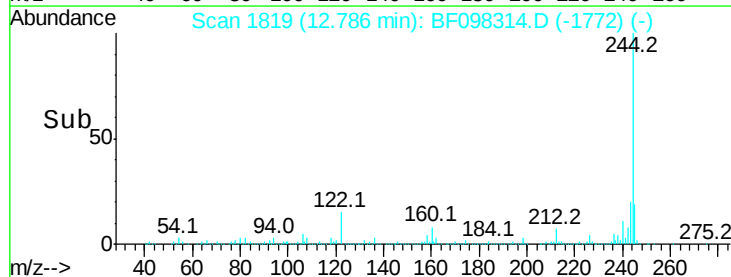
122 14.8 10.3 15.5

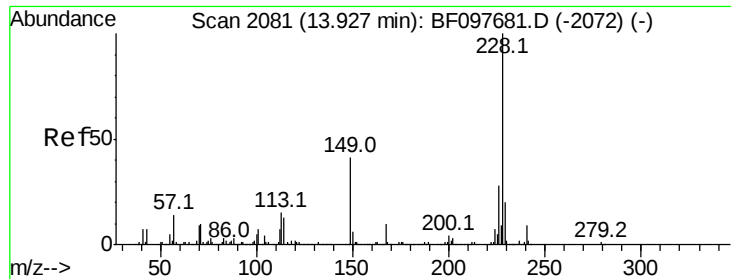


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.724 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

Instrument :

BNA_F

ClientSampleId :

VNJ-221

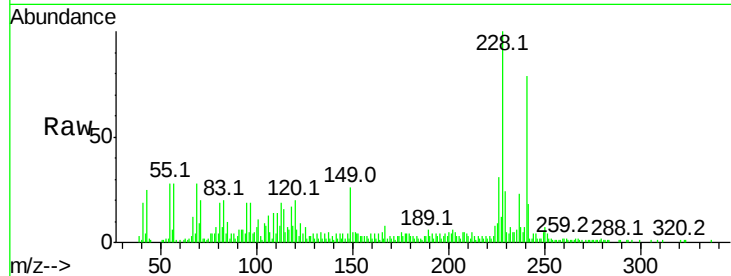
Tot Ion:228 Resp: 39394

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

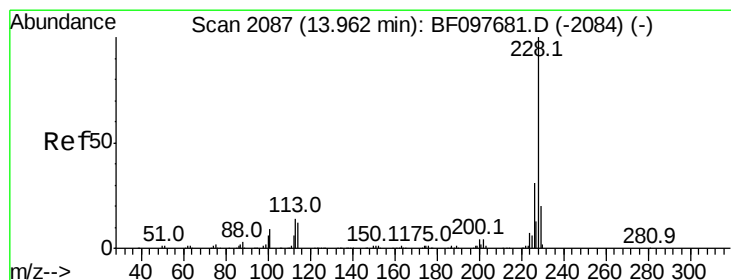
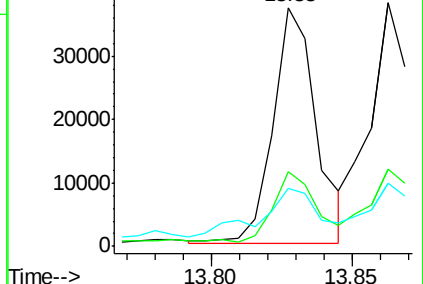
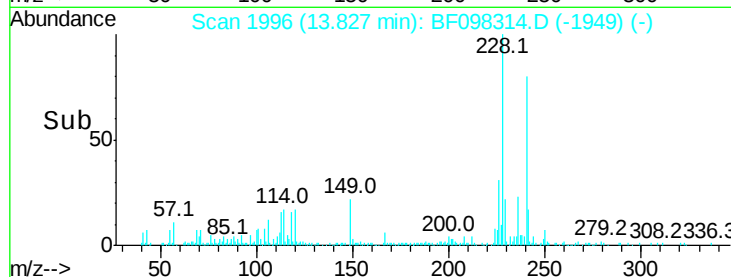
229 24.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.671 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

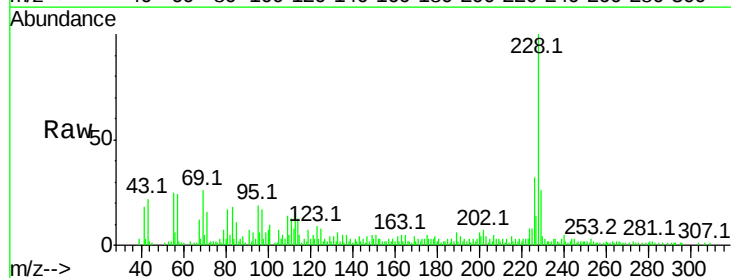
Tgt Ion:228 Resp: 38423

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

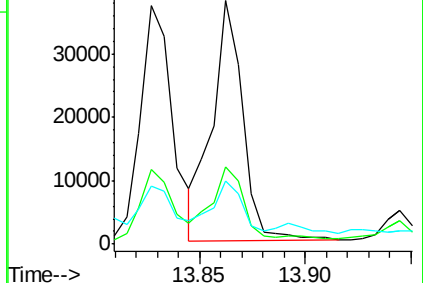
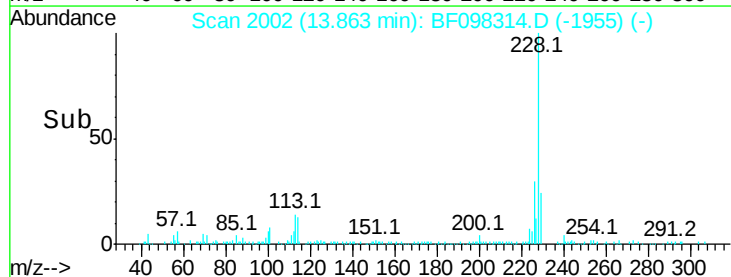
229 25.7 15.8 23.6#

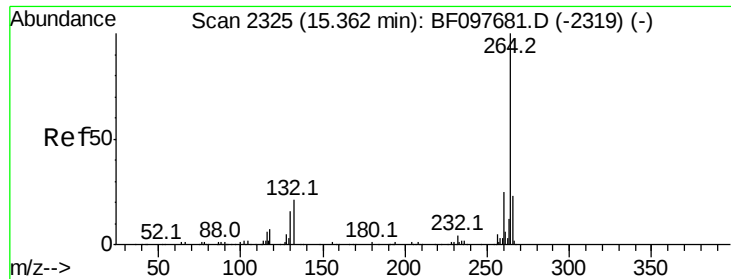


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

Instrument :

BNA_F

ClientSampled :

VNJ-221

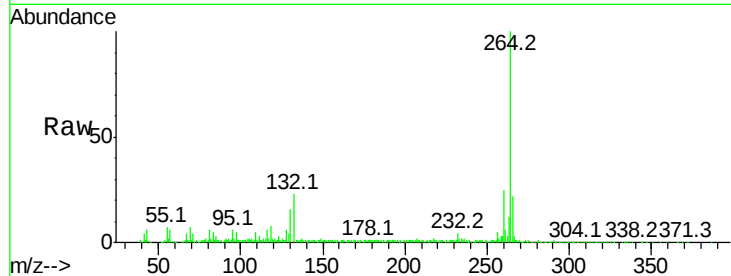
Tot Ion:264 Resp: 214129

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

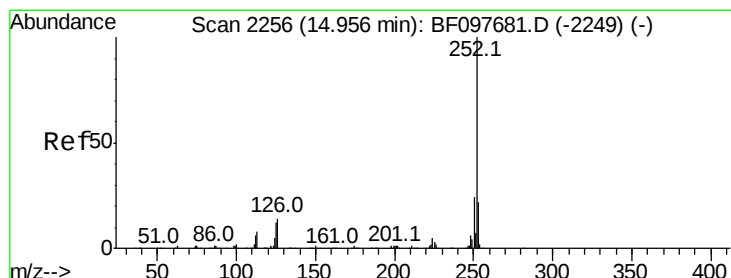
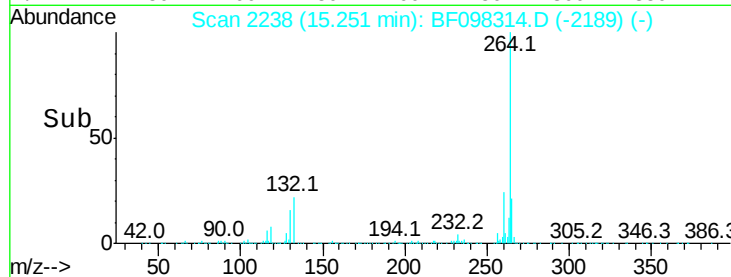
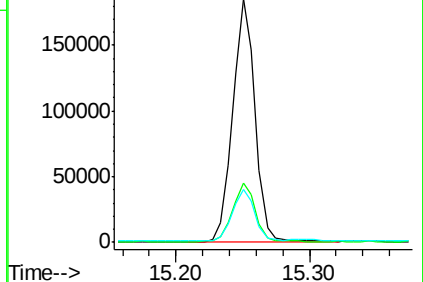
265 22.0 17.2 25.8



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



#87

Benzo(b)fluoranthene

Concen: 4.428 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BF098314.D

Acq: 7 Sep 2017 15:29

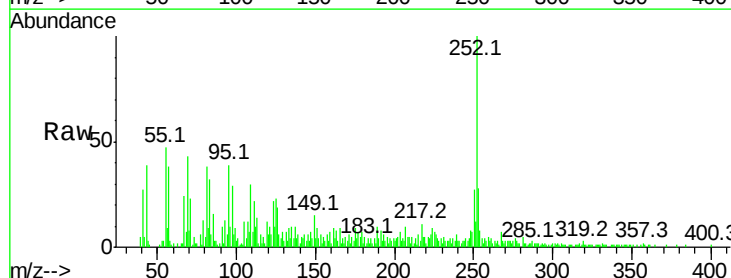
Tgt Ion:252 Resp: 59760

Ion Ratio Lower Upper

252 100

253 28.3 18.1 27.1#

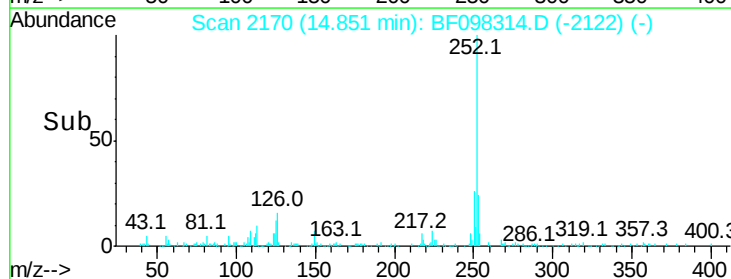
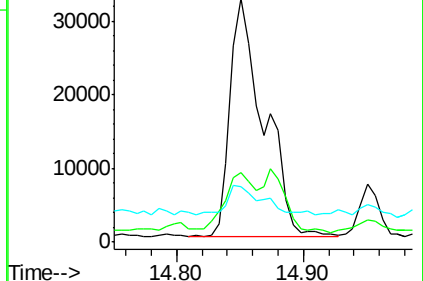
125 23.0 9.8 14.8#

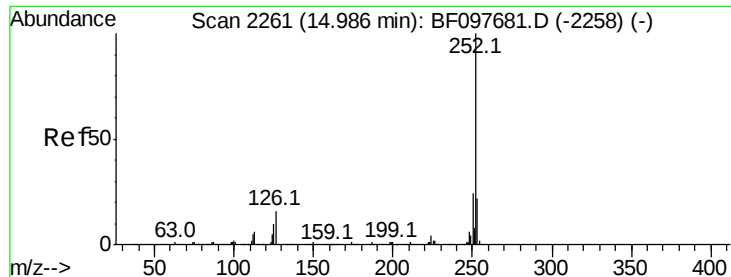


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

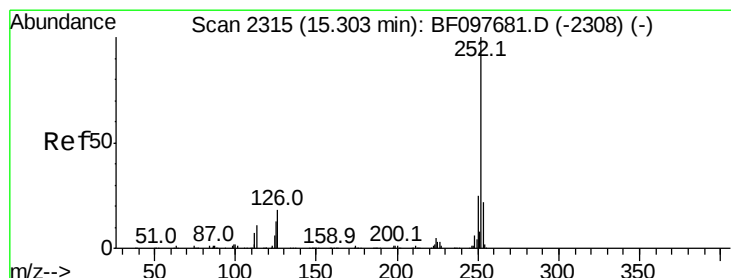
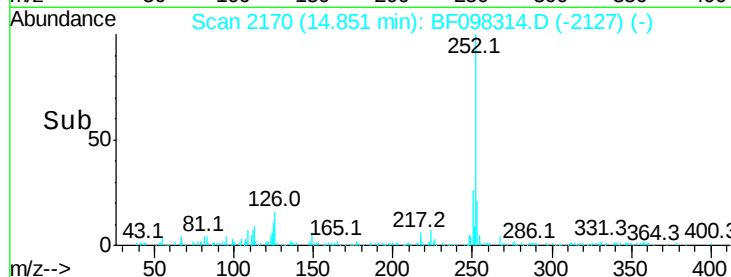
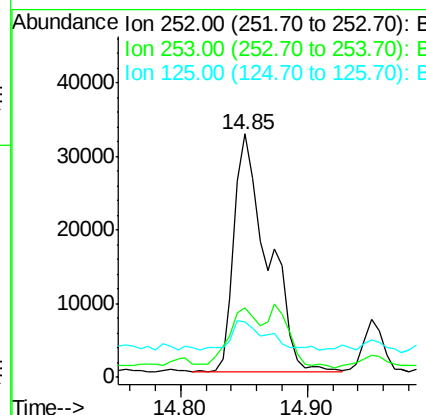
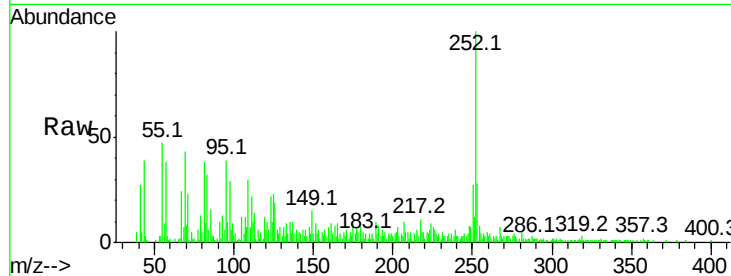




#88
Benzo(k)fluoranthene
Concen: 4.713 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.05 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

Instrument :
BNA_F
ClientSampleId :
VNJ-221

Tot Ion:252 Resp: 59760
Ion Ratio Lower Upper
252 100
253 28.3 18.4 27.6#
125 23.0 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.586 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098314.D
Acq: 7 Sep 2017 15:29

Tgt Ion:252 Resp: 30900
Ion Ratio Lower Upper
252 100
253 27.4 17.5 26.3#
125 26.1 11.0 16.4#

