

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097325.D
 Acq On : 3 Aug 2017 19:11
 Operator : SJ/JU
 Sample : I4541-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Quant Time: Aug 04 01:06:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

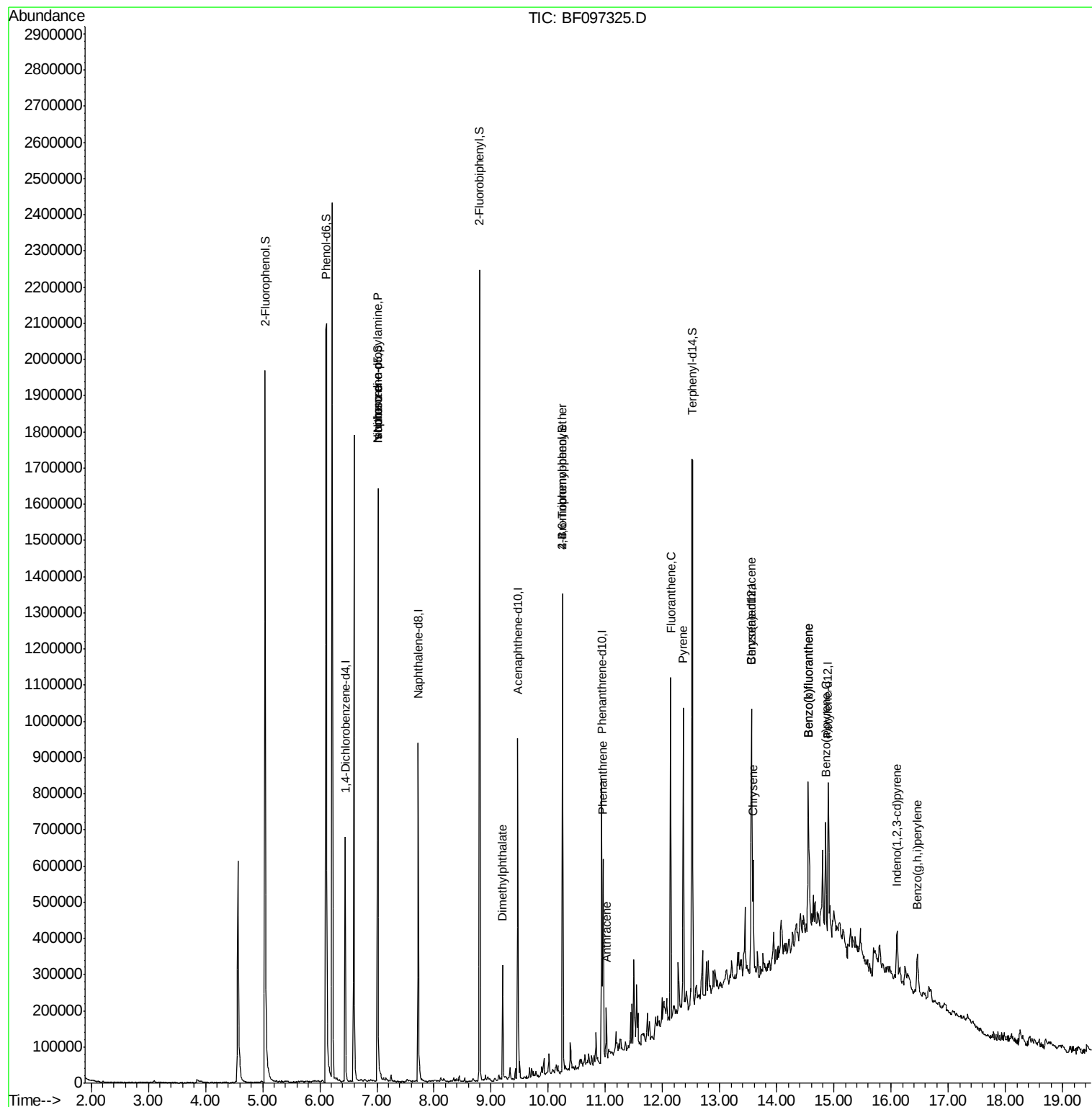
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	108594	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	444817	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	173844	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	283727	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	189044	20.00	ng	-0.07
86) Perylene-d12	14.90	264	173677	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	635499	88.22	ng	-0.06
7) Phenol-d6	6.12	99	822439	100.01	ng	-0.05
23) Nitrobenzene-d5	7.02	82	519104	68.46	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	139289	101.41	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	708760	69.19	ng	-0.07
78) Terphenyl-d14	12.52	244	510486	55.06	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	70041	12.939	ng	Qvalue # 88
25) Isophorone	7.02	82	509823	34.333	ng	# 67
49) Dimethylphthalate	9.20	163	118044	8.942	ng	99
66) 4-Bromophenyl-phenylether	10.25	248	8805	3.110	ng	# 1
70) Phenanthrene	10.96	178	204951	13.482	ng	99
71) Anthracene	11.02	178	52185	3.352	ng	100
74) Fluoranthene	12.14	202	356121	23.912	ng	97
77) Pyrene	12.36	202	322878	20.863	ng	99
80) Benzo(a)anthracene	13.55	228	143432	11.726	ng	99
82) Chrysene	13.59	228	136168	11.400	ng	96
85) Indeno(1,2,3-cd)pyrene	16.10	276	70496	6.883	ng	99
87) Benzo(b)fluoranthene	14.55	252	223950	21.451	ng	# 95
88) Benzo(k)fluoranthene	14.55	252	223950	22.511	ng	99
89) Benzo(a)pyrene	14.85	252	114546	11.988	ng	# 95
91) Benzo(a,h,i)perylene	16.46	276	72691	8.846	ng	99

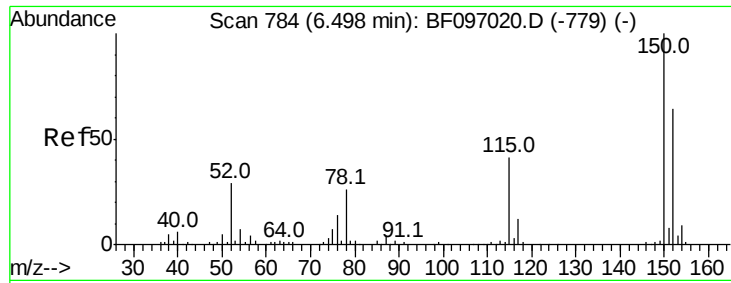
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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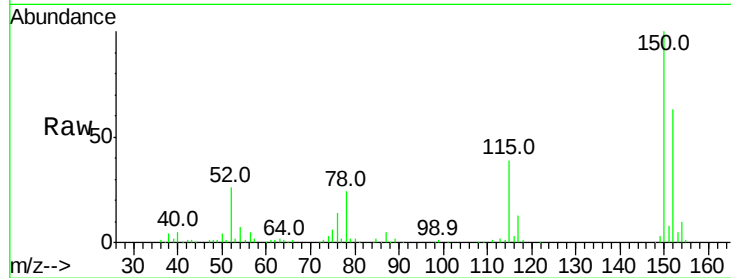


#1

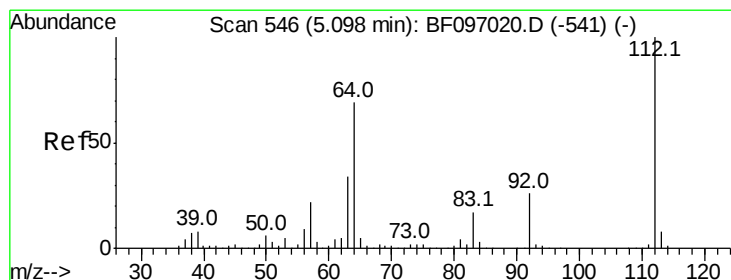
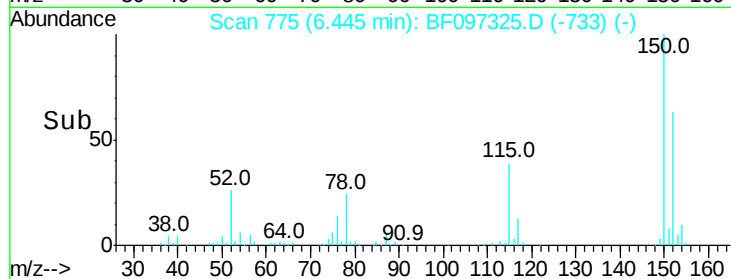
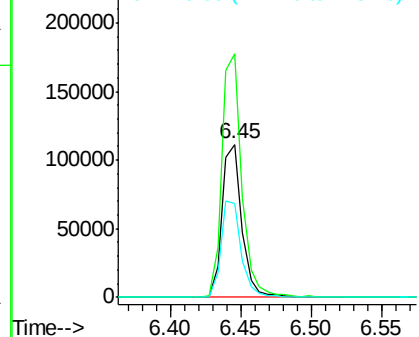
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Instrument :
BNA_F
ClientSampleId :
VNJ-229

Tot Ion:152 Resp: 108594
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.2
115 61.2 52.2 78.2



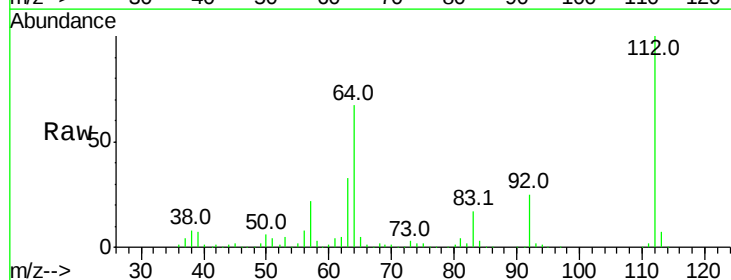
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



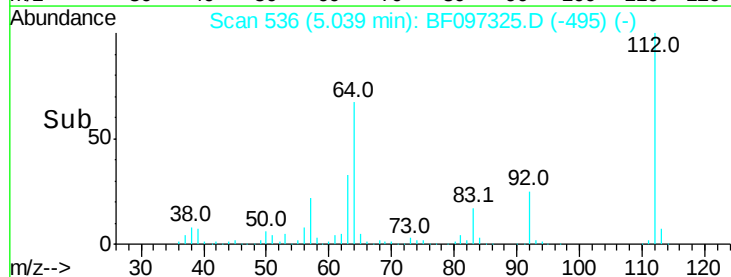
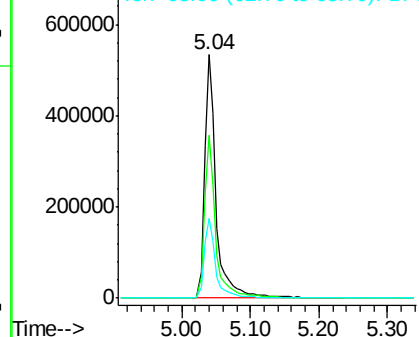
#5

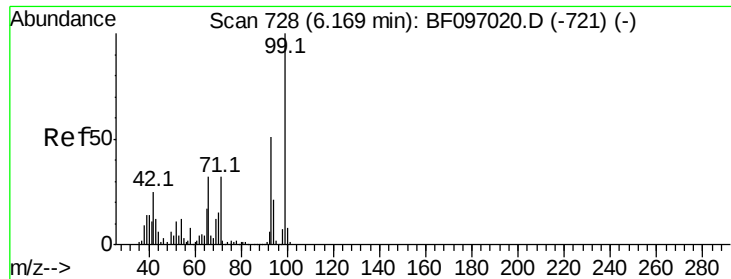
2-Fluorophenol
Concen: 88.219 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion:112 Resp: 635499
Ion Ratio Lower Upper
112 100
64 67.0 46.0 69.0
63 32.8 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: 100.007 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

VNJ-229

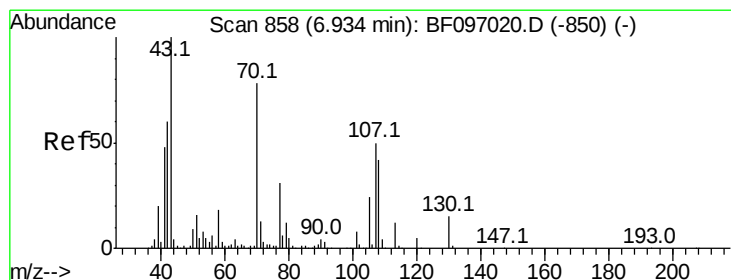
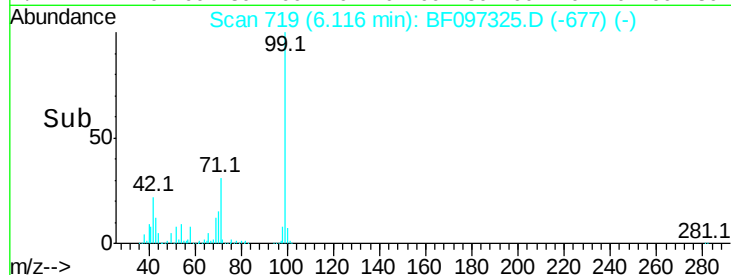
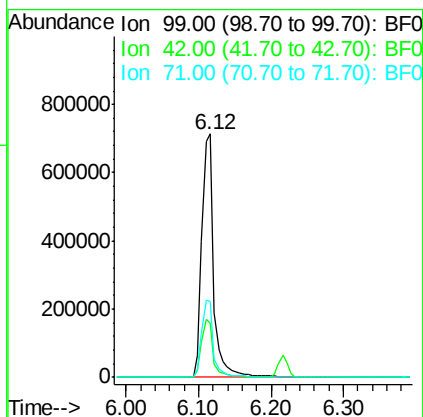
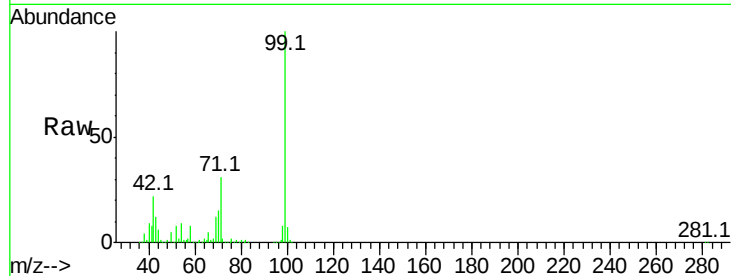
Tot Ion: 99 Resp: 822439

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

71 31.0 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.939 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Tgt Ion: 70 Resp: 70041

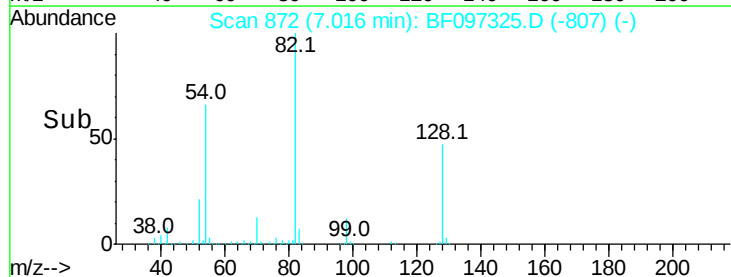
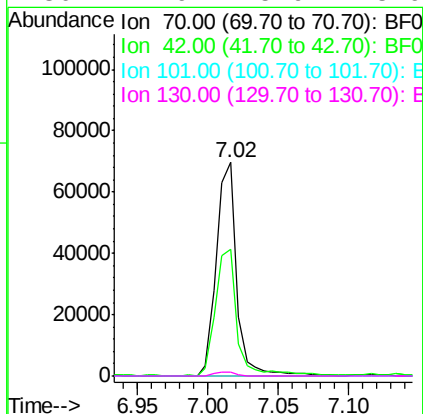
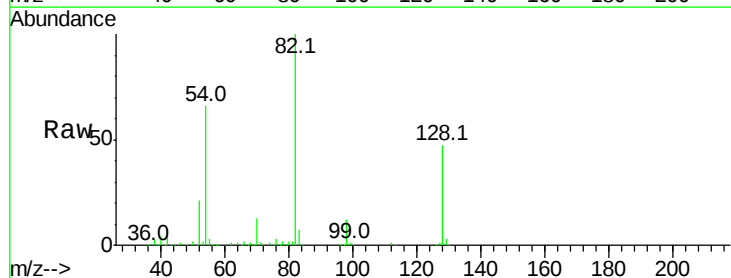
Ion Ratio Lower Upper

70 100

42 59.3 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

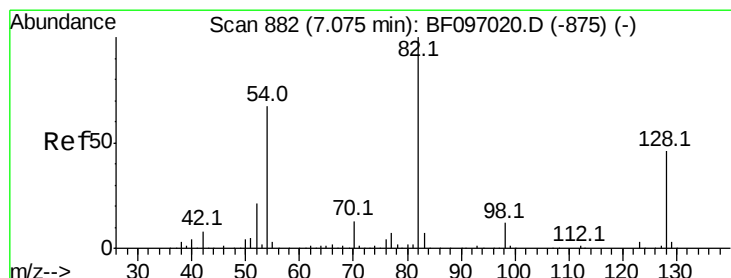
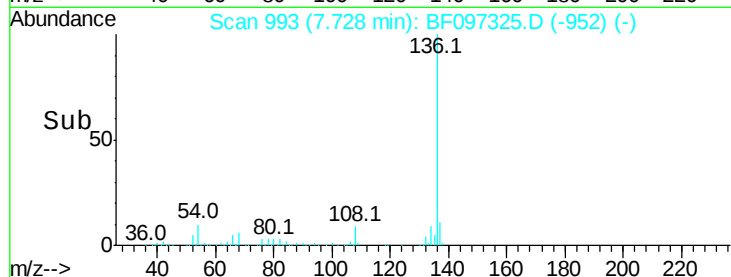
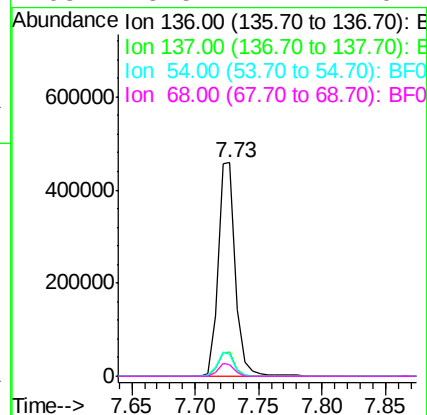
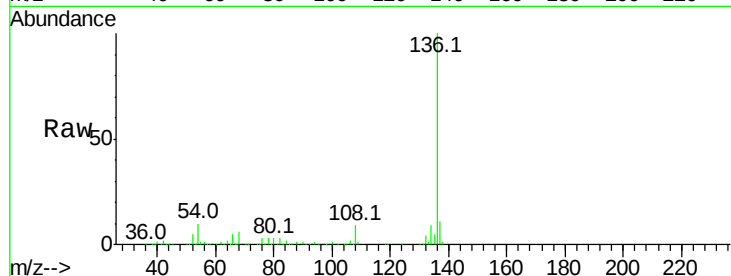




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

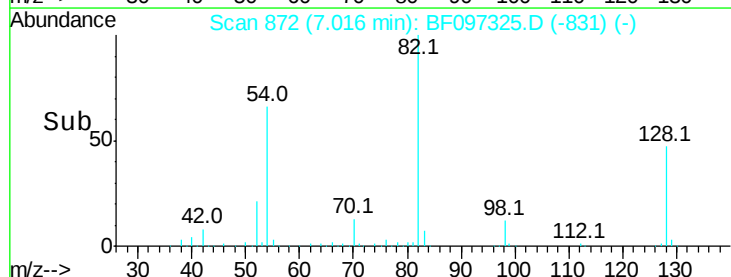
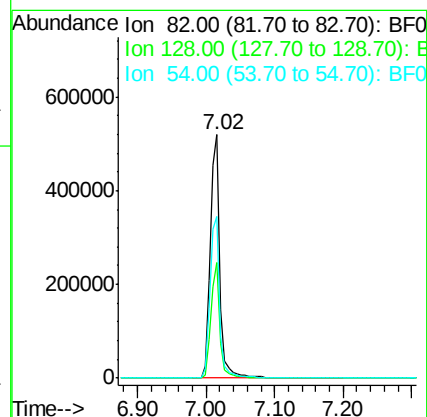
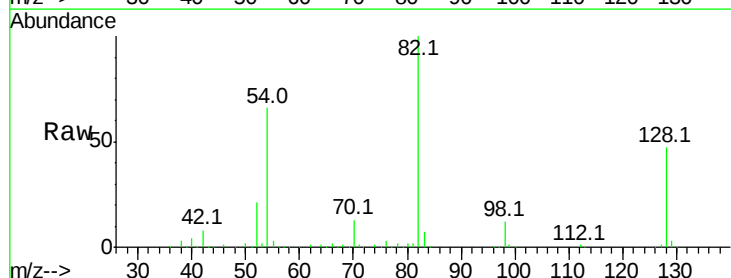
Instrument :
BNA_F
ClientSampleId :
VNJ-229

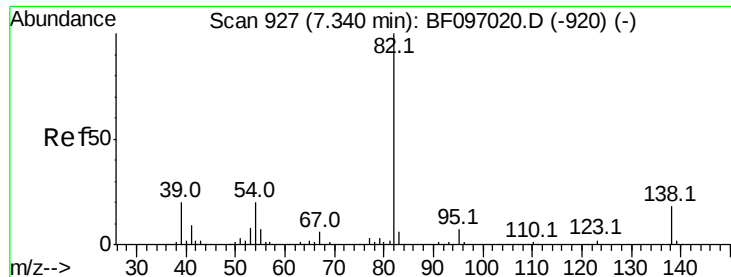
Tot Ion:136	Resp:	444817
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	10.0	4.9 7.3#
68	5.5	4.1 6.1



#23
Nitrobenzene-d5
Concen: 68.461 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion: 82	Resp:	519104
Ion Ratio	Lower	Upper
82	100	
128	47.3	34.0 51.0
54	66.4	42.2 63.2#





#25

Isophorone

Concen: 34.333 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

VNJ-229

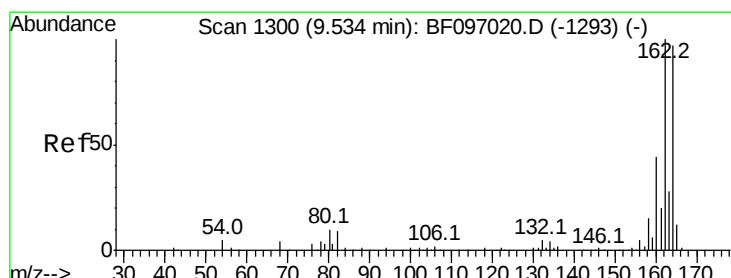
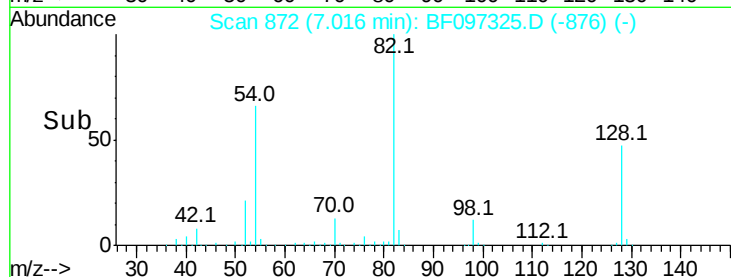
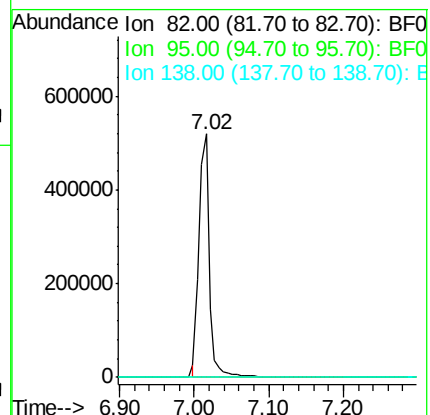
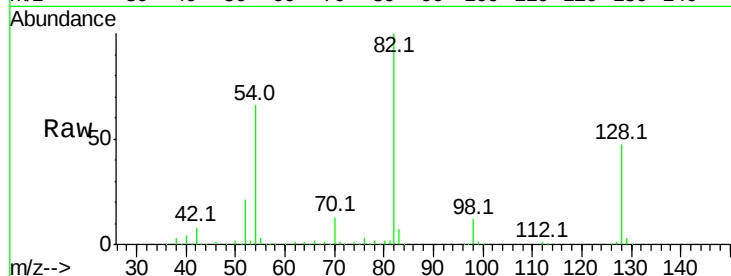
Tot Ion: 82 Resp: 509823

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.07 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

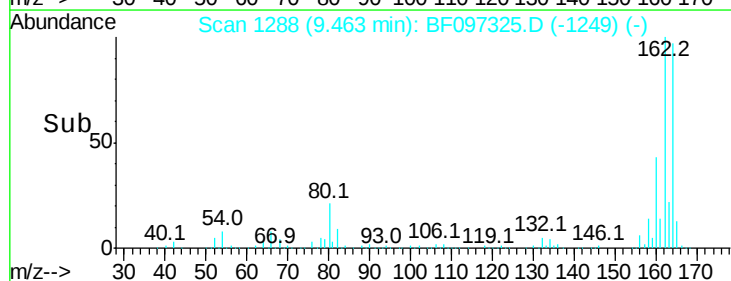
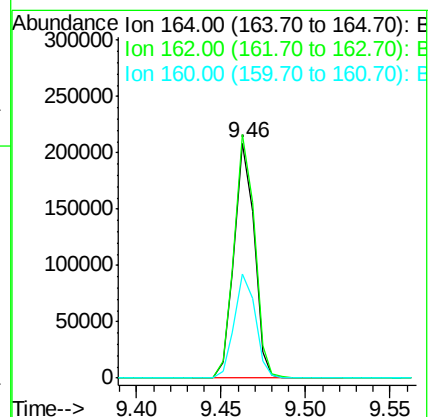
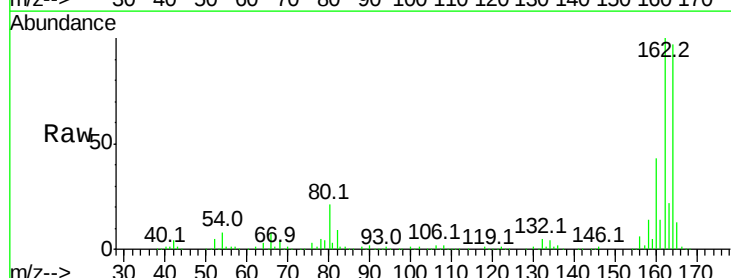
Tgt Ion:164 Resp: 173844

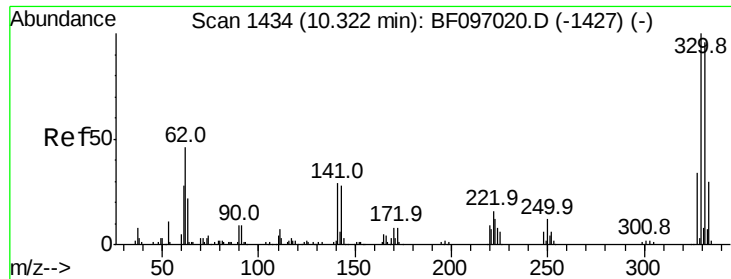
Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

160 44.4 36.2 54.2

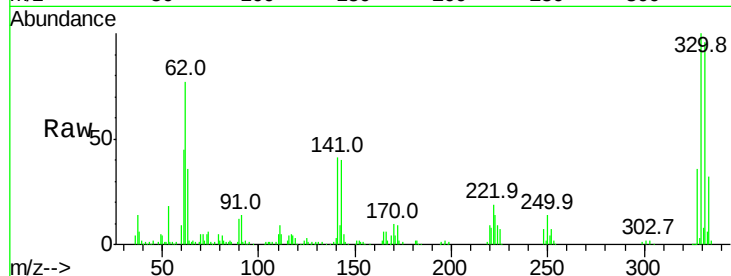




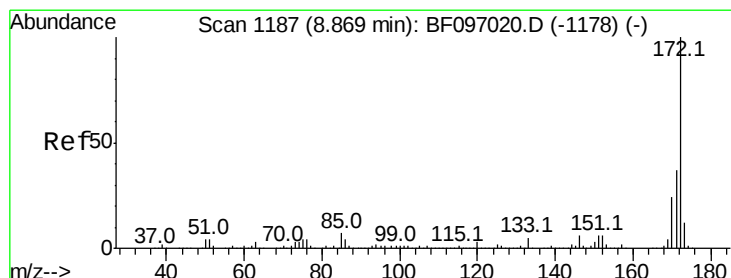
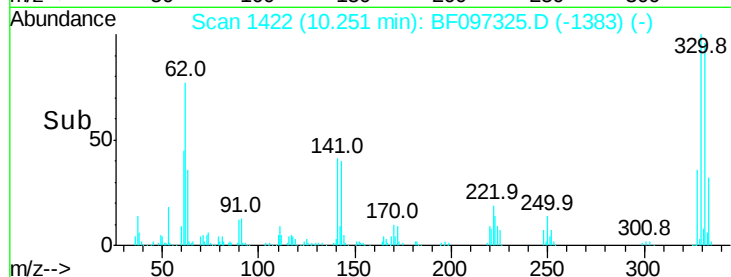
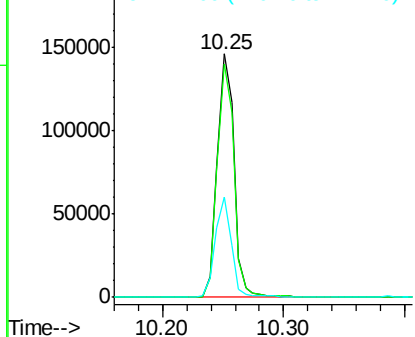
#41
 2,4,6-Tribromophenol
 Concen: 101.409 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Tot Ion:330 Resp: 139289
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 40.2 31.4 47.2

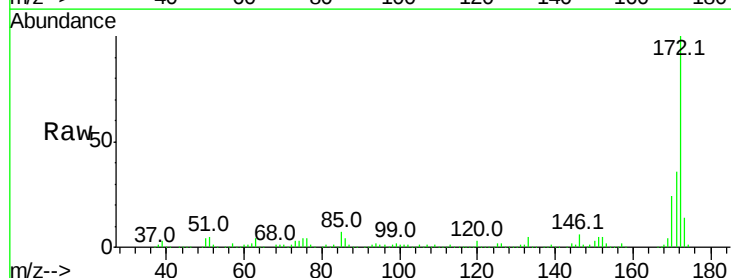


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

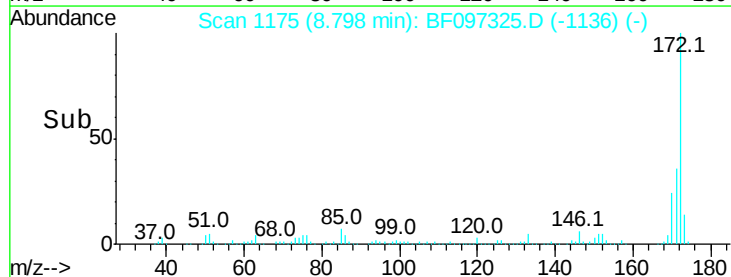
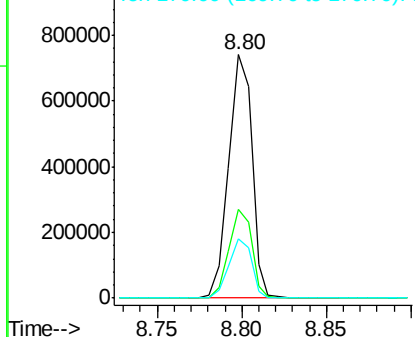


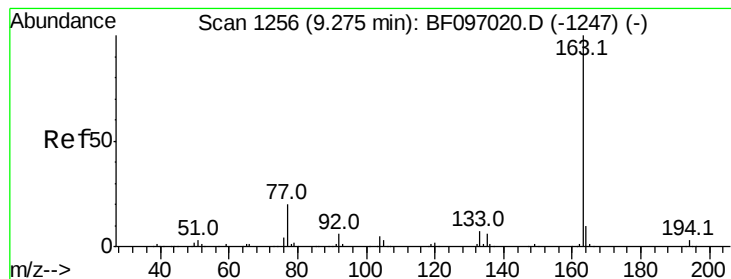
#44
 2-Fluorobiphenyl
 Concen: 69.190 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Tgt Ion:172 Resp: 708760
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.2 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: 8.942 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.08 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

VNJ-229

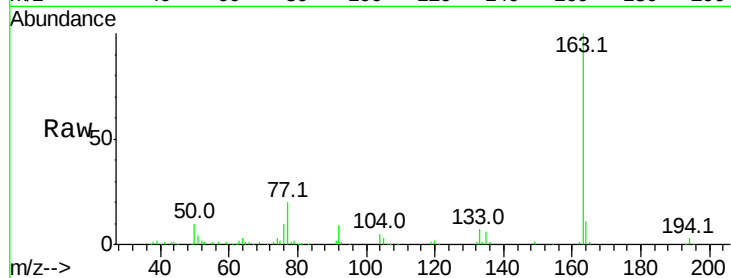
Tot Ion:163 Resp: 118044

Ion Ratio Lower Upper

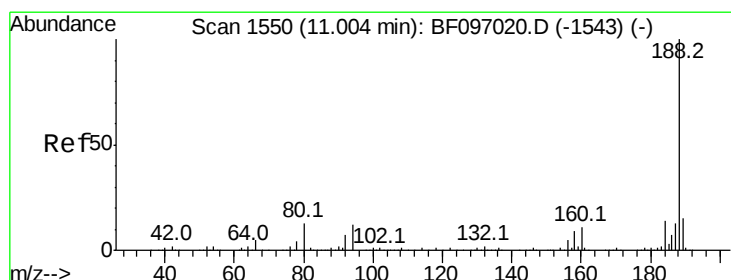
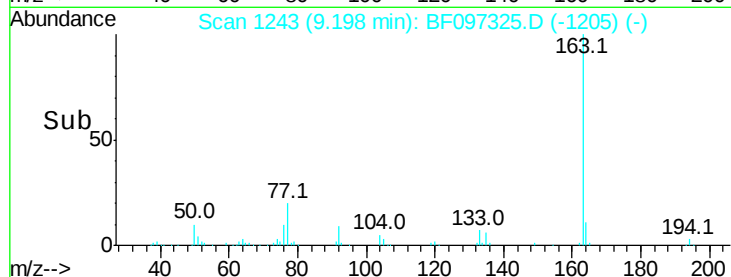
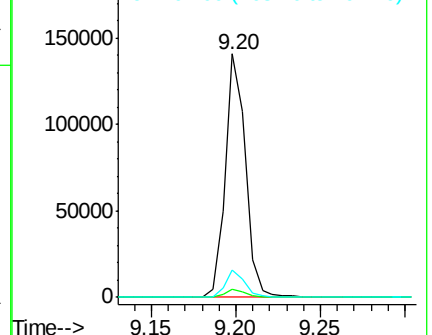
163 100

194 3.1 2.6 4.0

164 11.0 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: 10.93 min Scan# 1538

Delta R.T. -0.07 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

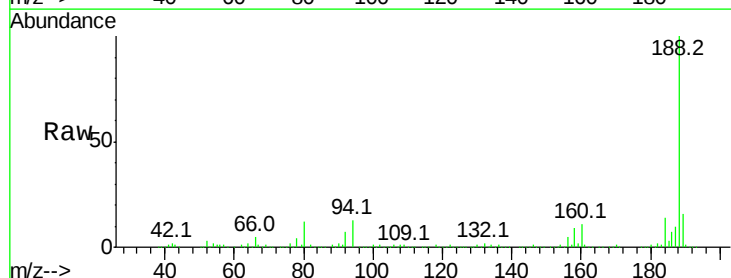
Tgt Ion:188 Resp: 283727

Ion Ratio Lower Upper

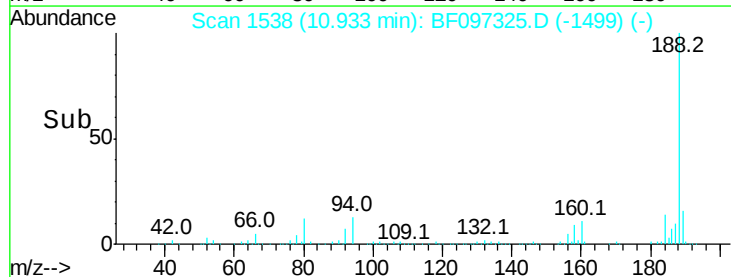
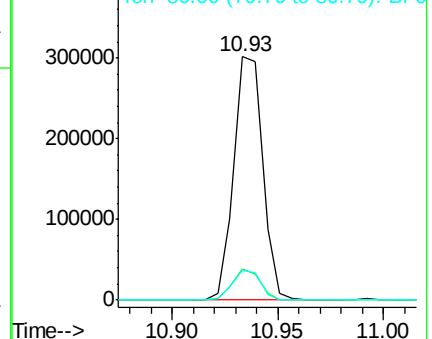
188 100

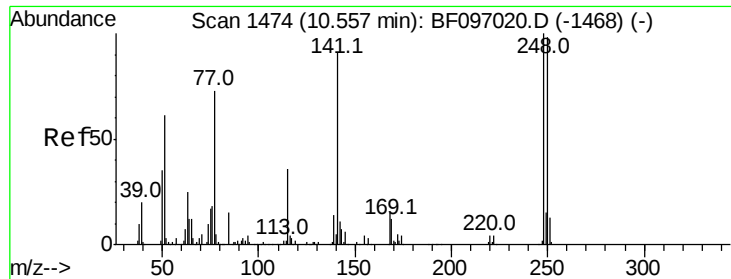
94 12.8 9.4 14.2

80 12.4 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

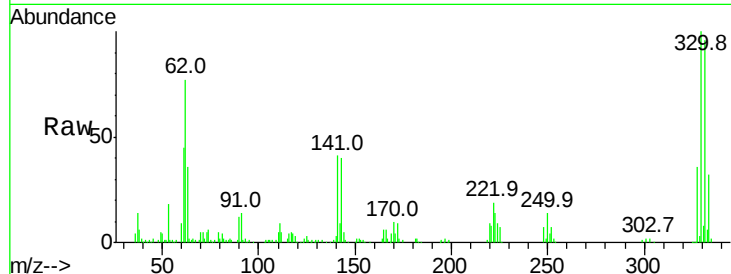




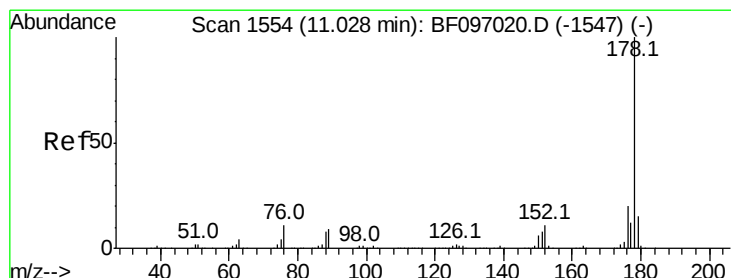
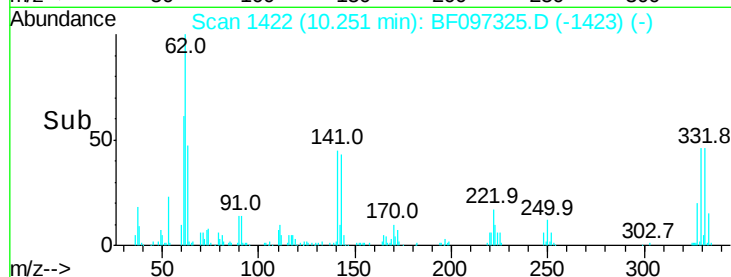
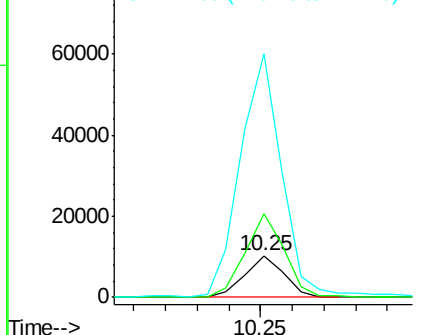
#66
 4-Bromophenyl-phenylether
 Concen: 3.110 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.31 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Tot Ion:248 Resp: 8805
 Ion Ratio Lower Upper
 248 100
 250 201.0 76.8 115.2#
 141 582.5 68.6 103.0#

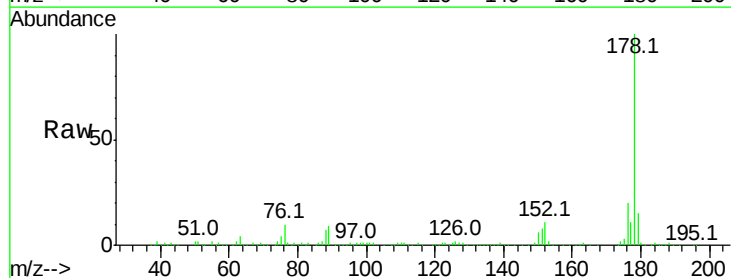


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

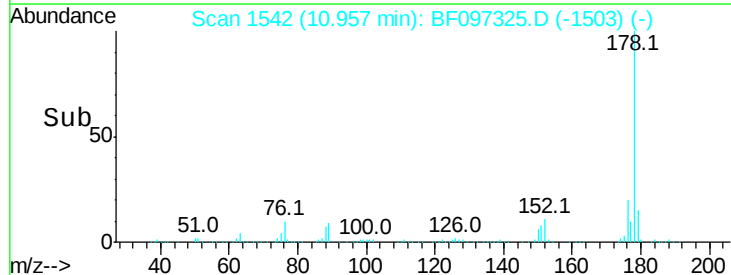
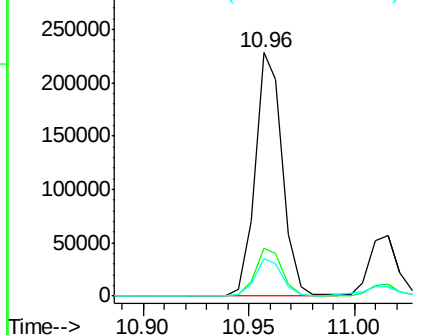


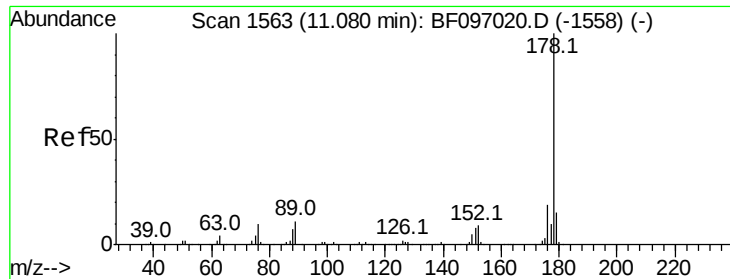
#70
 Phenanthrene
 Concen: 13.482 ng
 RT: 10.96 min Scan# 1542
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Tgt Ion:178 Resp: 204951
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.2 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

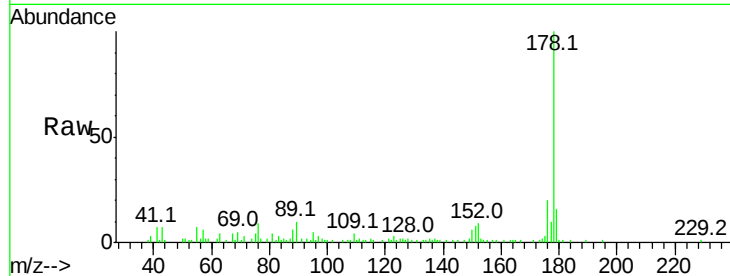




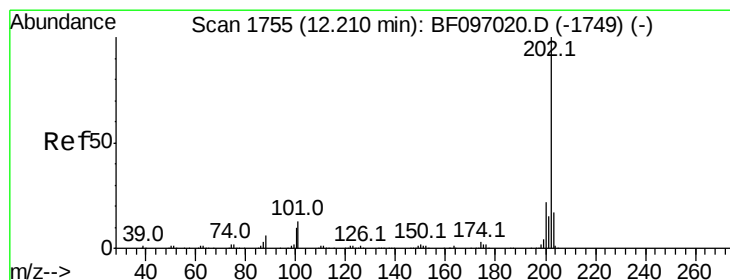
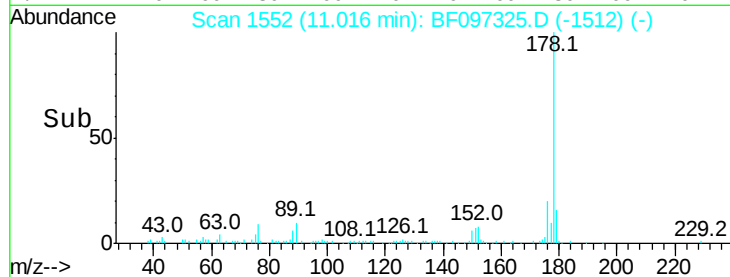
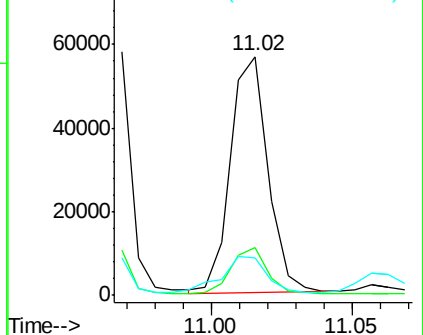
#71
 Anthracene
 Concen: 3.352 ng
 RT: 11.02 min Scan# 1552
 Delta R.T. -0.06 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Tot Ion:178 Resp: 52185
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.5 12.7 19.1

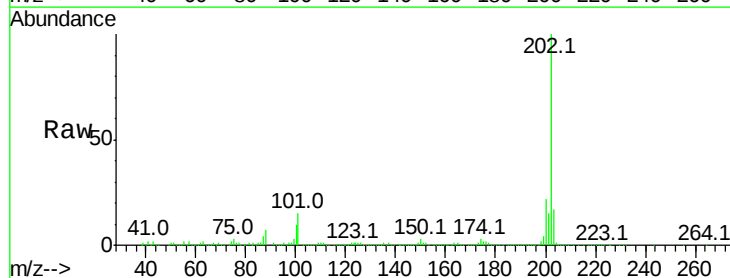


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

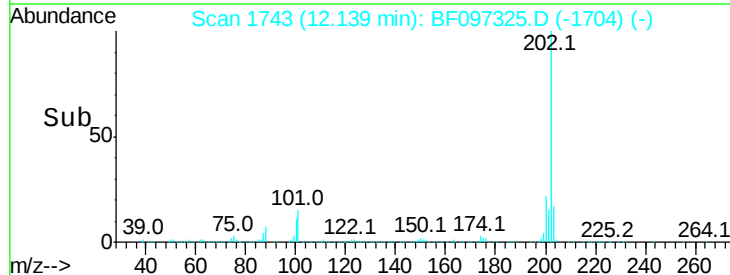
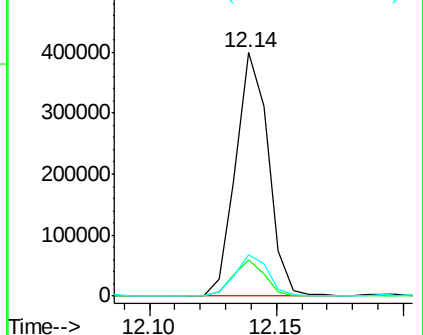


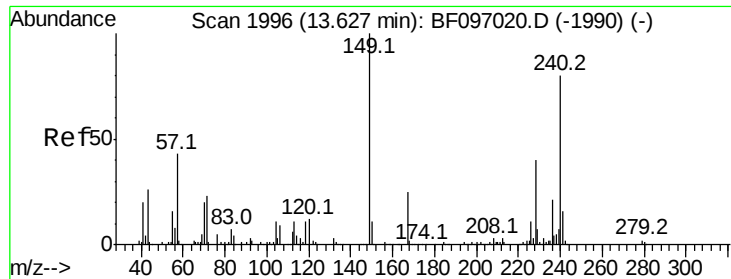
#74
 Fluoranthene
 Concen: 23.912 ng
 RT: 12.14 min Scan# 1743
 Delta R.T. -0.07 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Tgt Ion:202 Resp: 356121
 Ion Ratio Lower Upper
 202 100
 101 15.1 0.0 33.2
 203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

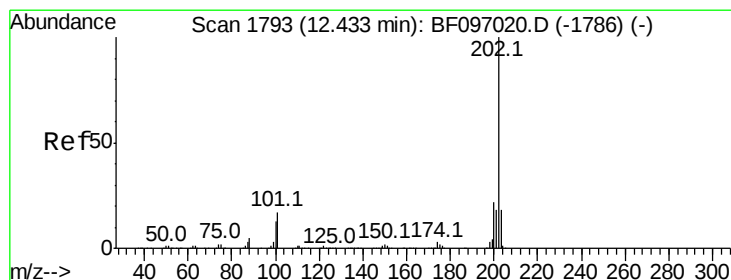
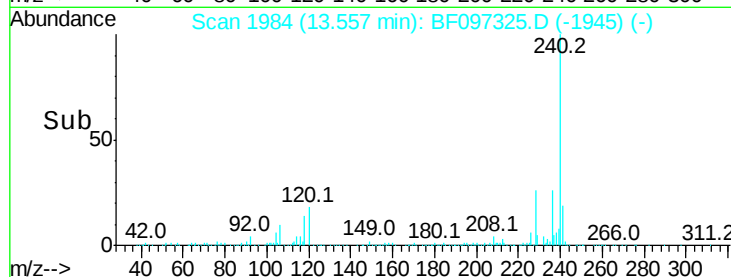
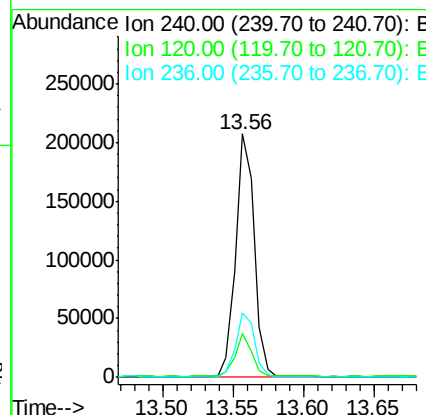
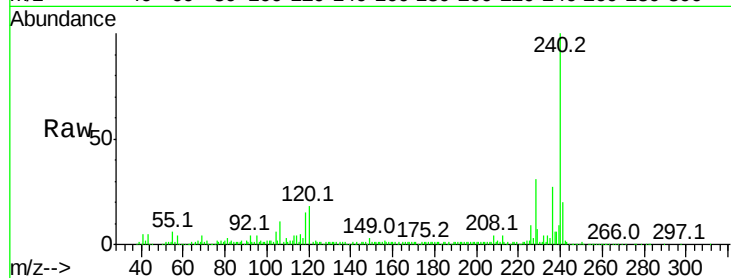




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

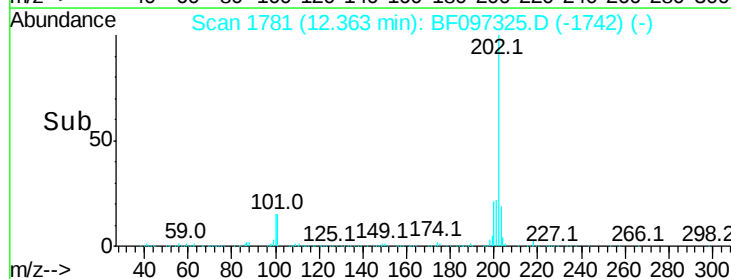
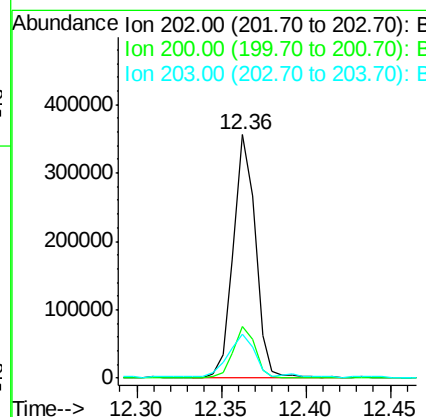
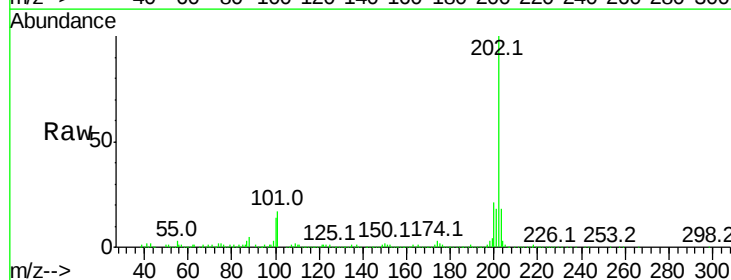
Instrument :
BNA_F
ClientSampleId :
VNJ-229

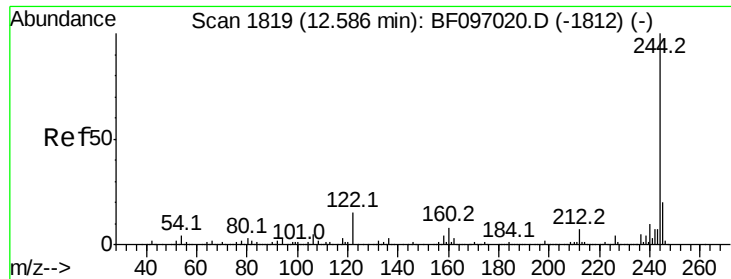
Tot Ion:240 Resp: 189044
Ion Ratio Lower Upper
240 100
120 17.9 5.8 8.8#
236 26.5 20.5 30.7



#77
Pyrene
Concen: 20.863 ng
RT: 12.36 min Scan# 1781
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion:202 Resp: 322878
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 18.3 14.4 21.6





#78

Terphenyl-d14

Concen: 55.056 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

VNJ-229

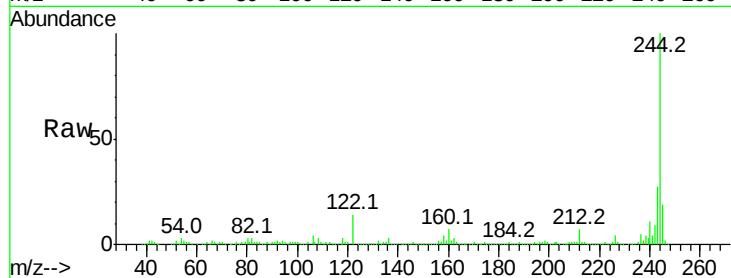
Tot Ion:244 Resp: 510486

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

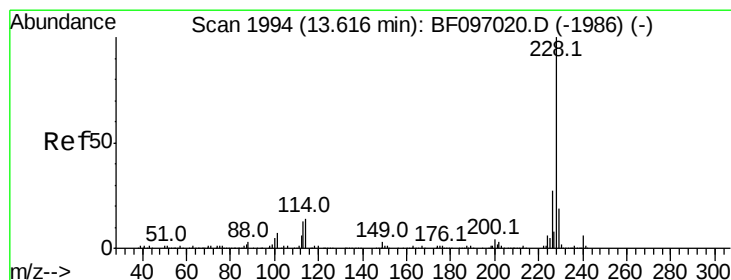
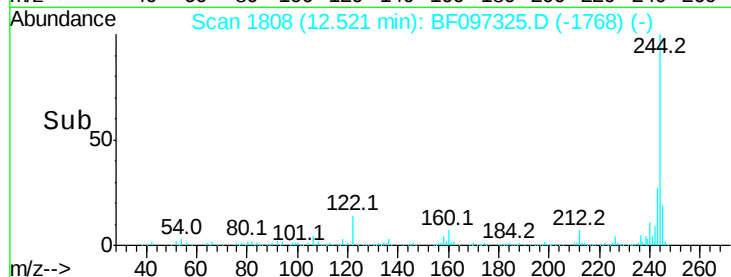
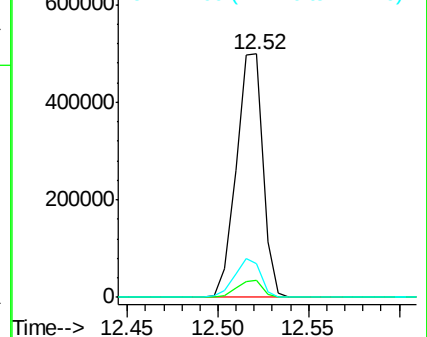
122 13.7 10.3 15.5



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: 11.726 ng

RT: 13.55 min Scan# 1983

Delta R.T. -0.06 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

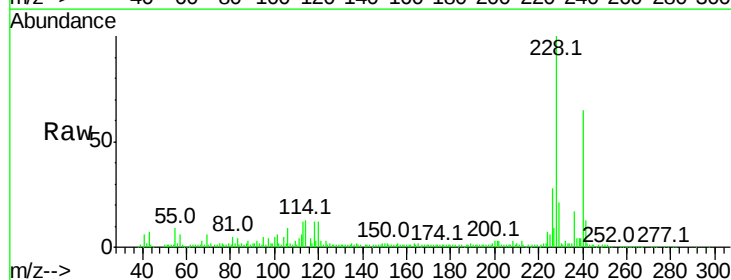
Tgt Ion:228 Resp: 143432

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

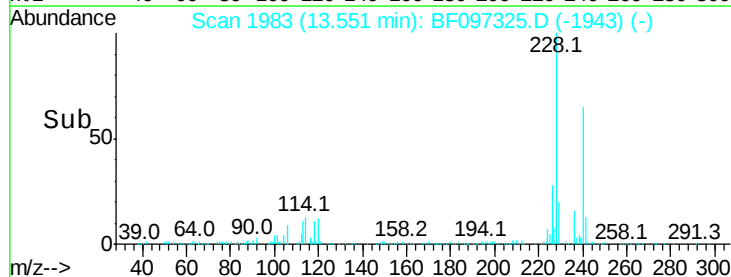
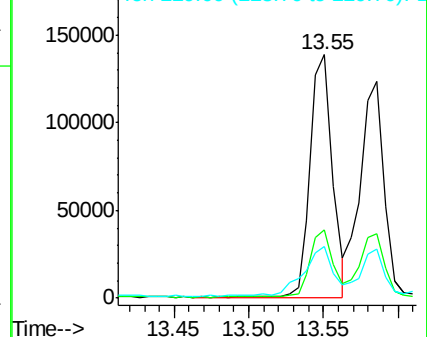
229 21.3 16.3 24.5

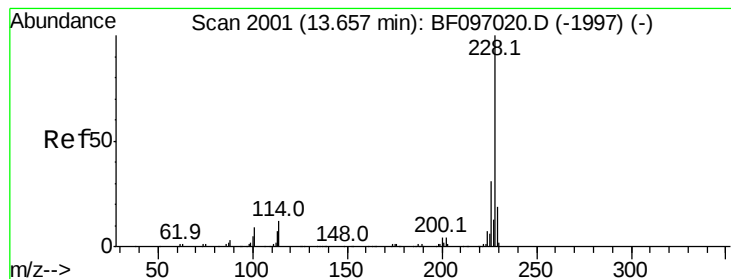


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 11.400 ng

RT: 13.59 min Scan# 1989

Delta R.T. -0.07 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

Instrument :

BNA_F

ClientSampleId :

VNJ-229

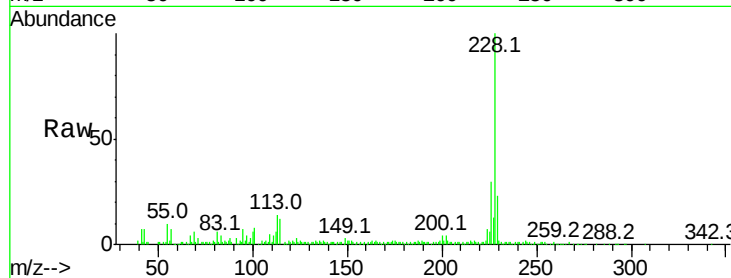
Tot Ion:228 Resp: 136168

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

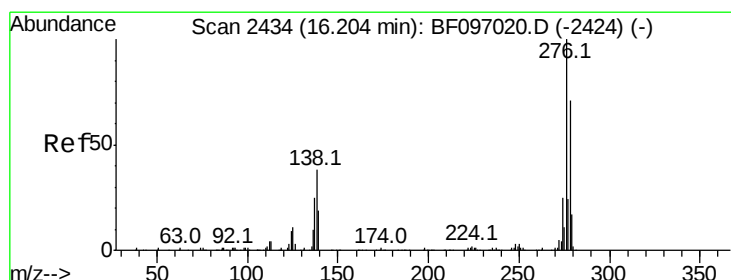
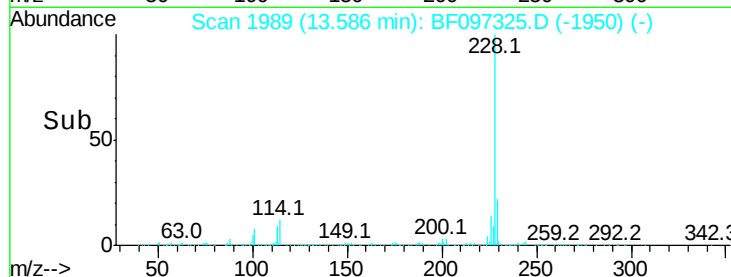
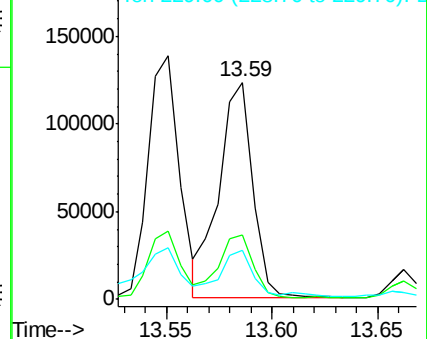
229 22.5 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.883 ng

RT: 16.10 min Scan# 2417

Delta R.T. -0.10 min

Lab File: BF097325.D

Acq: 3 Aug 2017 19:11

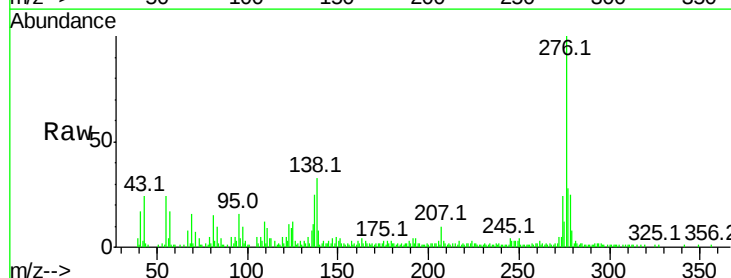
Tgt Ion:276 Resp: 70496

Ion Ratio Lower Upper

276 100

138 35.1 27.8 41.6

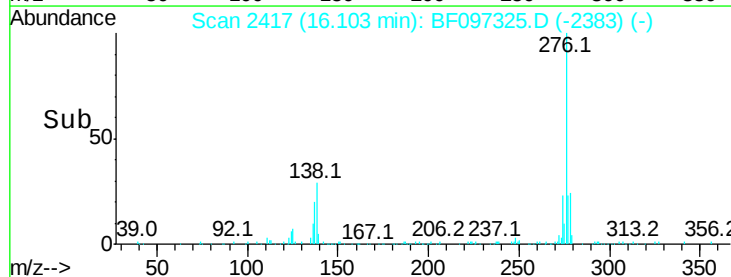
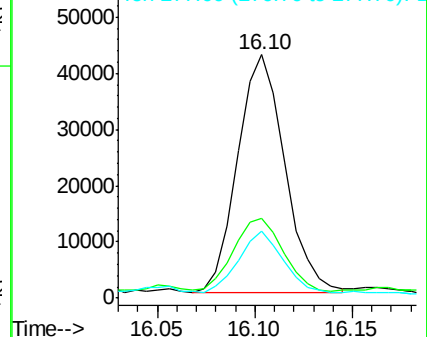
277 24.3 20.2 30.4

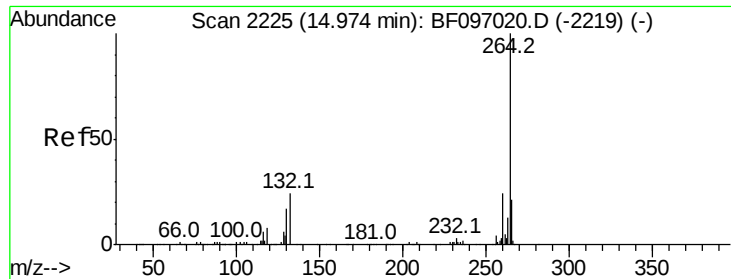


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

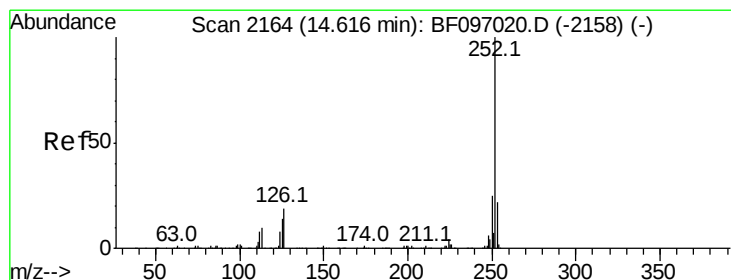
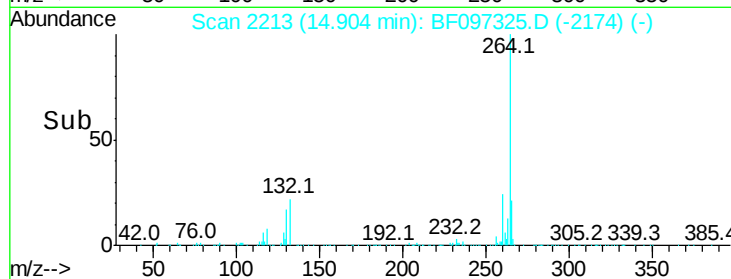
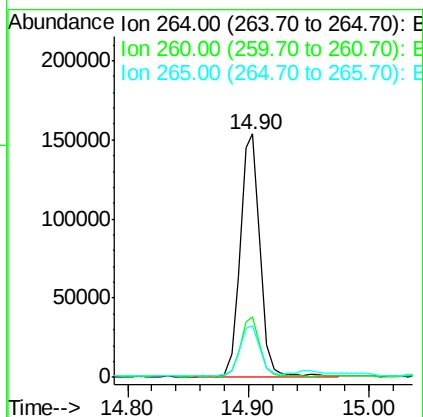
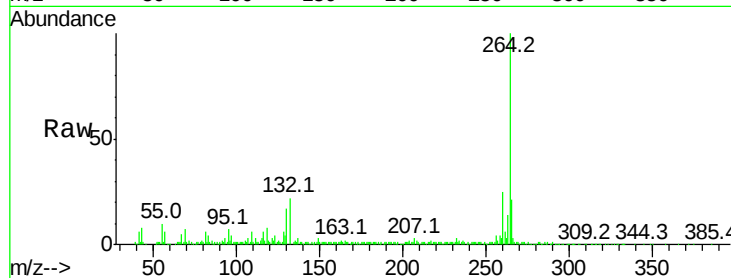




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2213
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

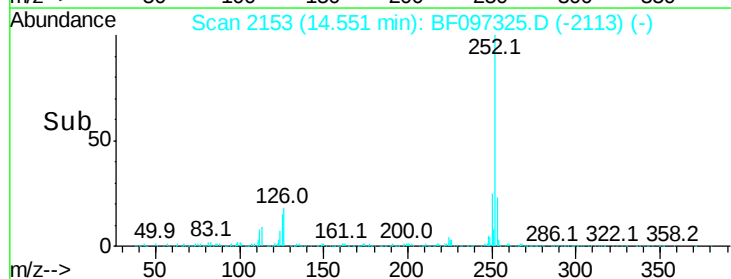
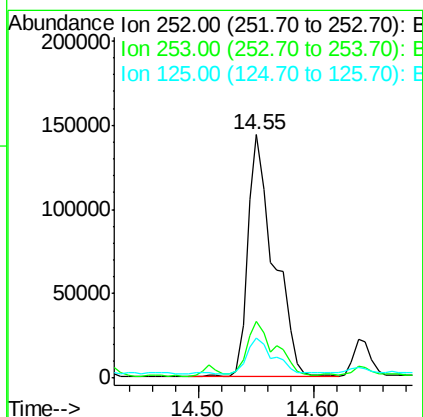
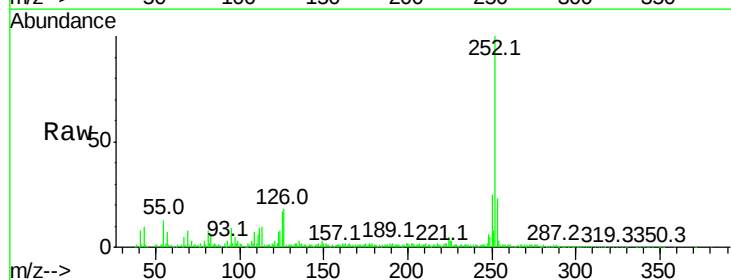
Instrument :
BNA_F
ClientSampleId :
VNJ-229

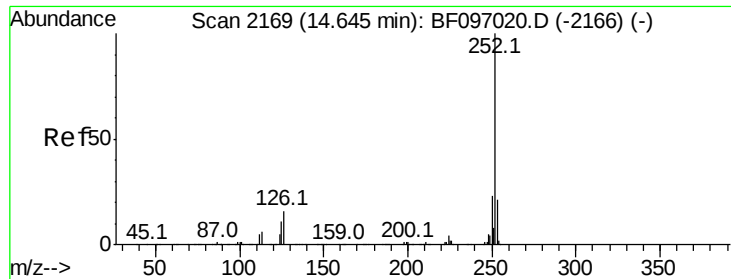
Tot Ion:264 Resp: 173677
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 21.451 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion:252 Resp: 223950
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 16.6 9.8 14.8#

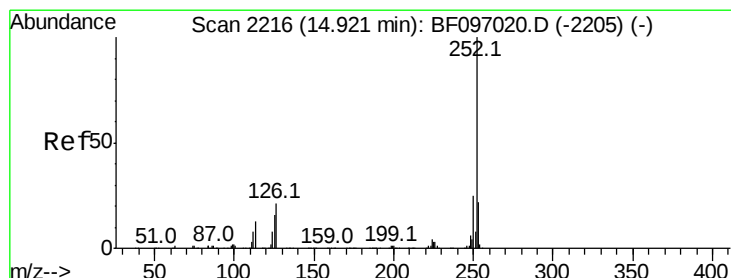
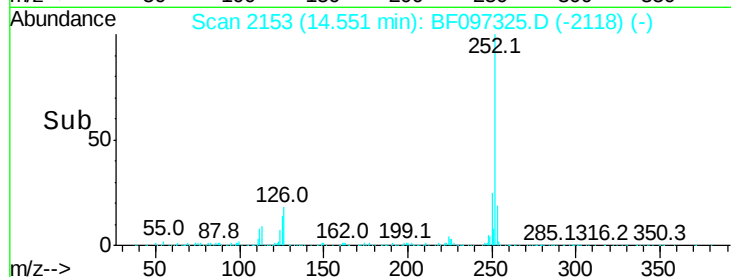
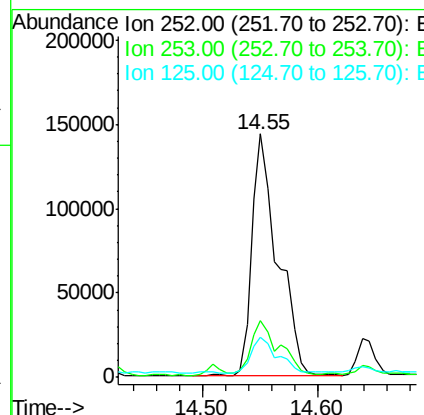
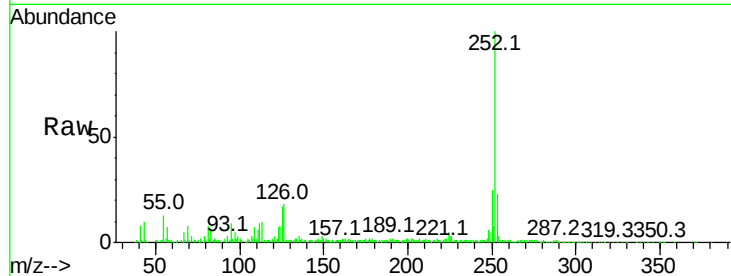




#88
Benzo(k)fluoranthene
Concen: 22.511 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.09 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

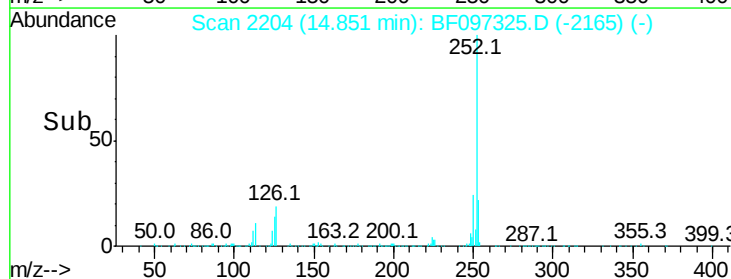
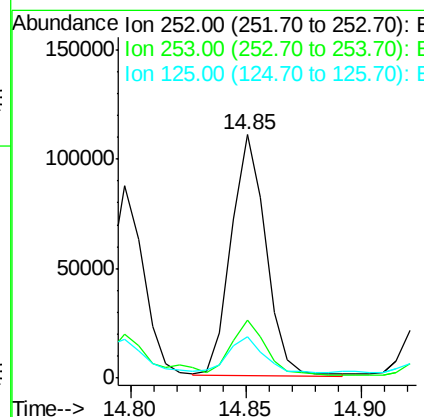
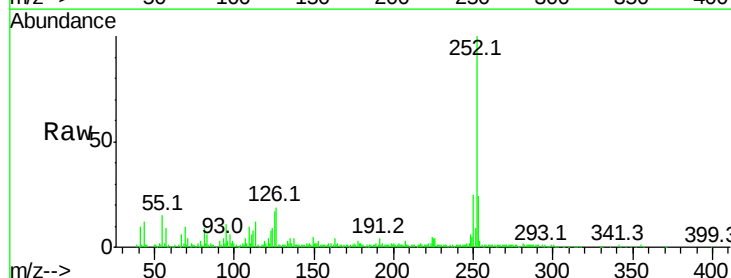
Instrument :
BNA_F
ClientSampleId :
VNJ-229

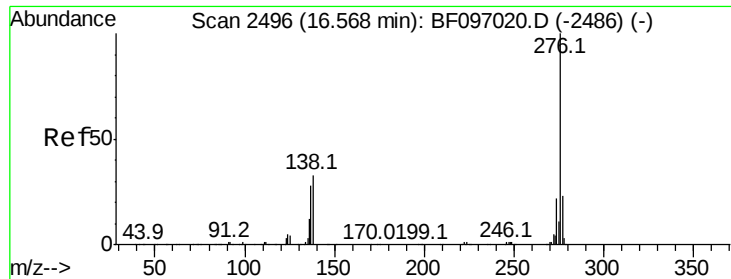
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	16.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 11.988 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097325.D
Acq: 3 Aug 2017 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	17.0	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.846 ng
 RT: 16.46 min Scan# 2477
 Delta R.T. -0.11 min
 Lab File: BF097325.D
 Acq: 3 Aug 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-229

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	31.2	25.4	38.0

