

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090716\
 Data File : BF090020.D
 Acq On : 7 Sep 2016 22:27
 Operator : UM/SJ
 Sample : H4686-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004

Quant Time: Sep 08 07:18:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

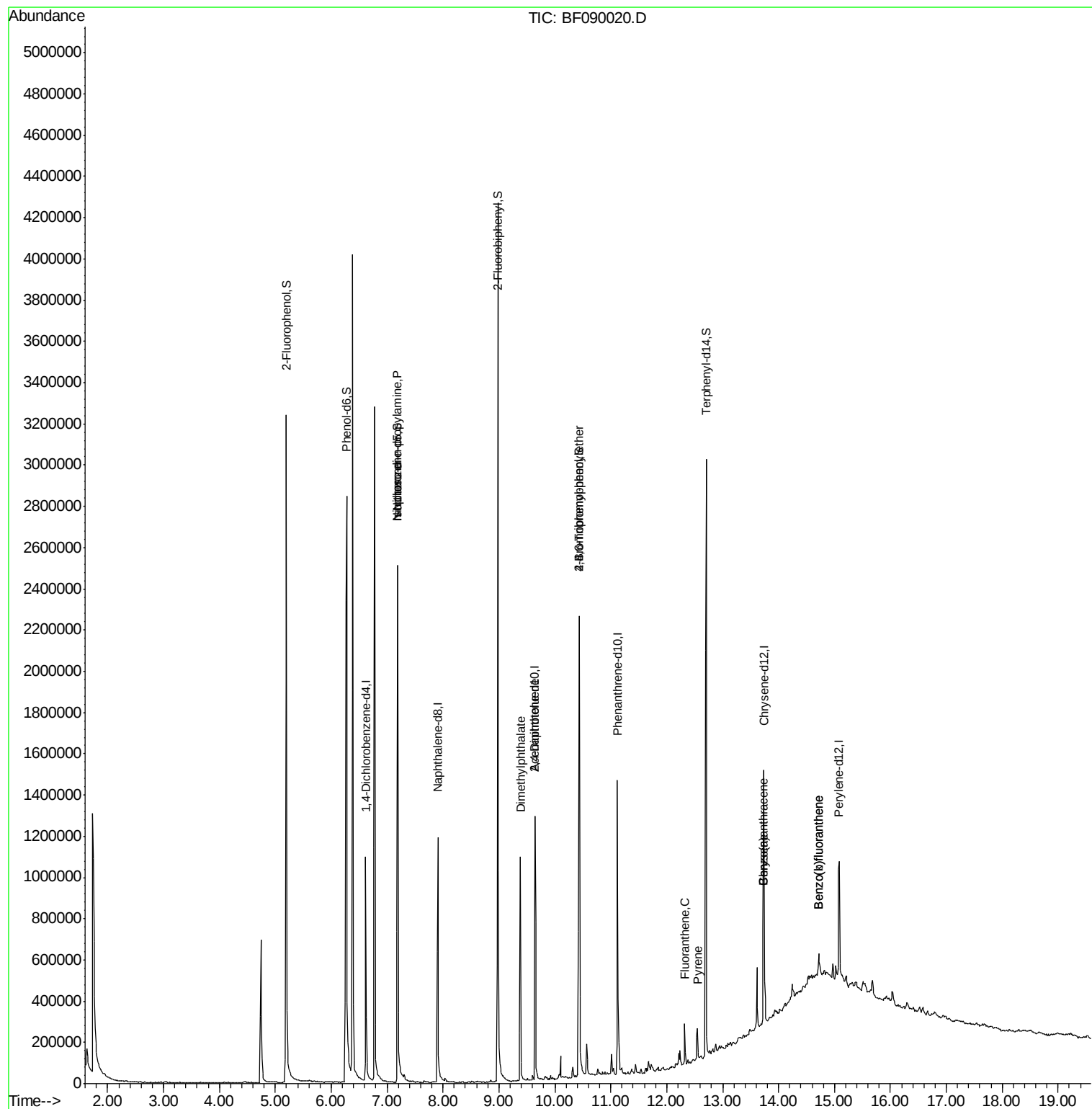
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	199530	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	774162	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	342820	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	595016	20.00	ng	-0.02
75) Chrysene-d12	13.74	240	449177	20.00	ng	-0.02
86) Perylene-d12	15.09	264	329991	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1263243	101.34	ng	-0.01
7) Phenol-d6	6.27	99	1682365	111.07	ng	-0.01
23) Nitrobenzene-d5	7.19	82	946318	70.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	312605	92.43	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1527078	73.12	ng	-0.02
78) Terphenyl-d14	12.71	244	1233147	67.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	125198	12.68	ng	# 81
25) Isophorone	7.19	82	773731	28.50	ng	# 65
49) Dimethylphthalate	9.38	163	499082	20.14	ng	99
56) 2,4-Dinitrotoluene	9.64	165	44451	6.36	ng	# 30
66) 4-Bromophenyl-phenylether	10.43	248	20870	3.48	ng	# 1
74) Fluoranthene	12.32	202	87942	2.83	ng	97
77) Pyrene	12.55	202	83904	2.65	ng	99
80) Benzo(a)anthracene	13.73	228	56802	2.06	ng	92
82) Chrysene	13.73	228	56802	2.21	ng	97
87) Benzo(b)fluoranthene	14.72	252	68382	3.31	ng	# 82
88) Benzo(k)fluoranthene	14.72	252	68382	3.90	ng	# 83

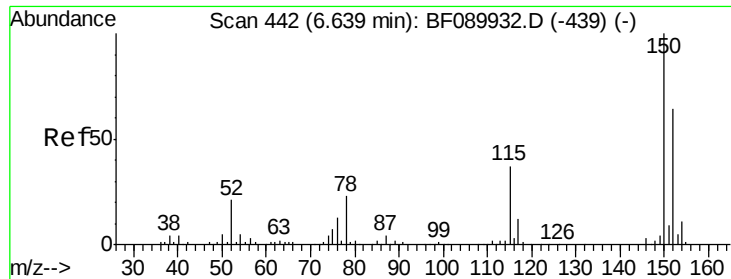
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

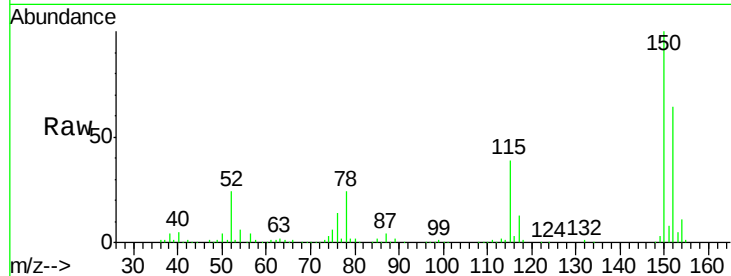
Tgt Ion:152 Resp: 199530

Ion Ratio Lower Upper

152 100

150 156.9 127.4 191.2

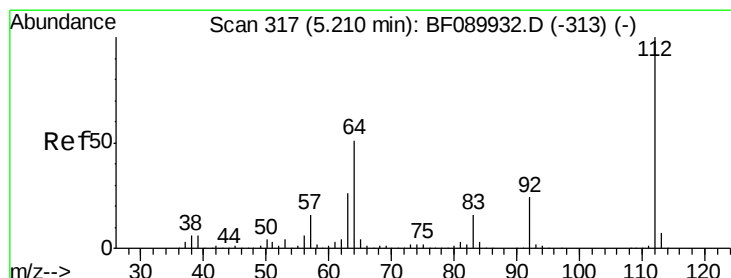
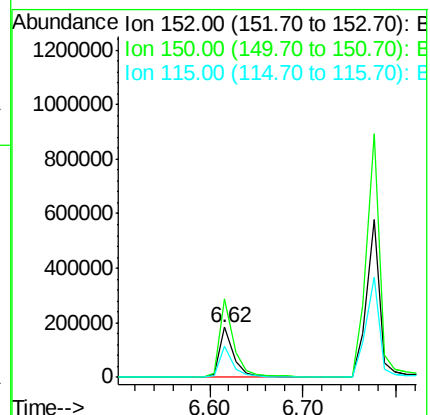
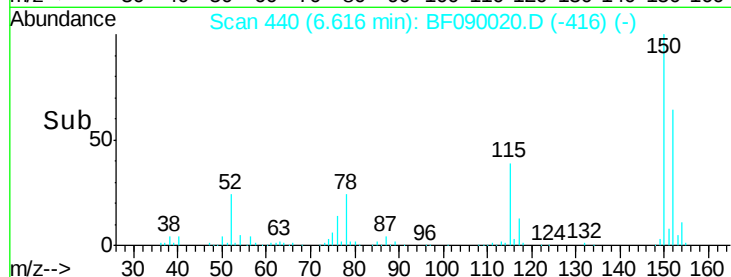
115 61.1 46.3 69.5



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: 101.34 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

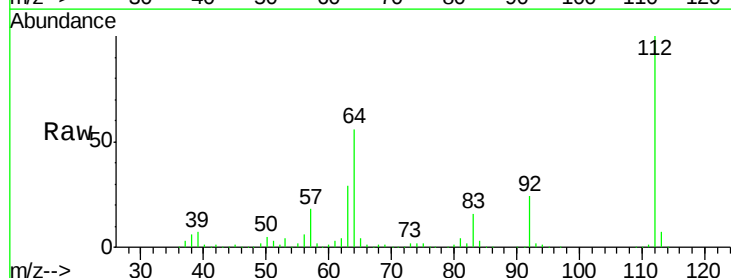
Tgt Ion:112 Resp: 1263243

Ion Ratio Lower Upper

112 100

64 56.3 41.1 61.7

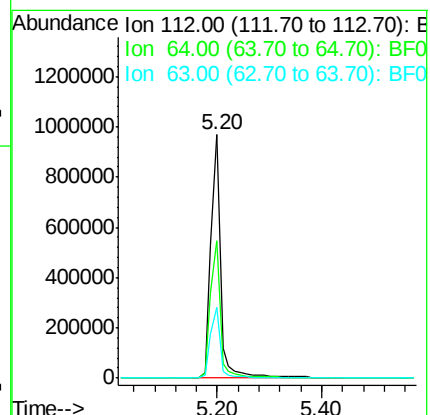
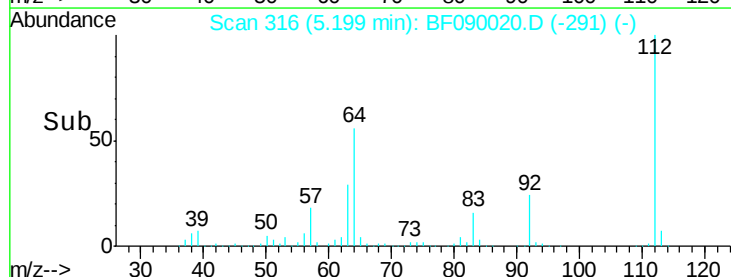
63 29.3 21.2 31.8

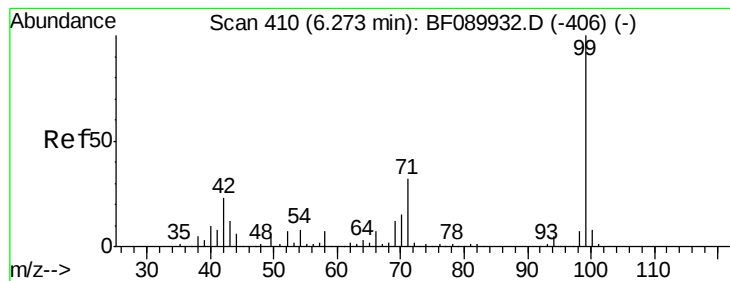


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.07 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

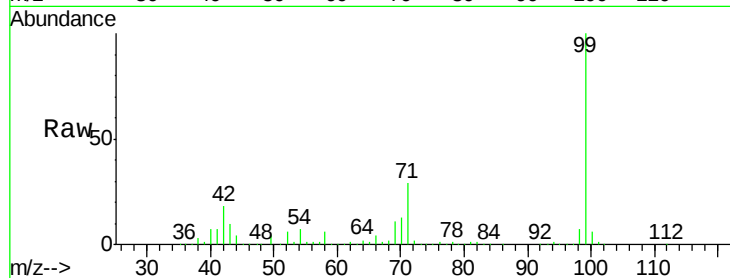
Tgt Ion: 99 Resp: 1682365

Ion Ratio Lower Upper

99 100

42 18.3 18.6 27.8#

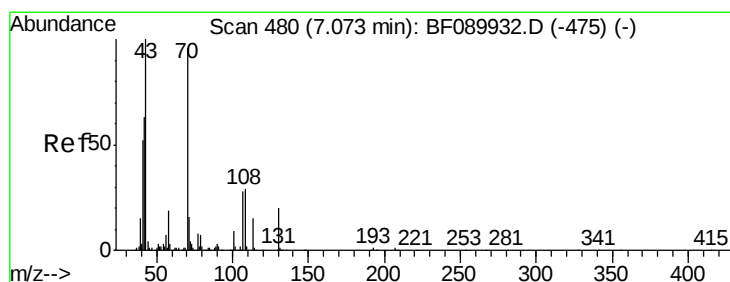
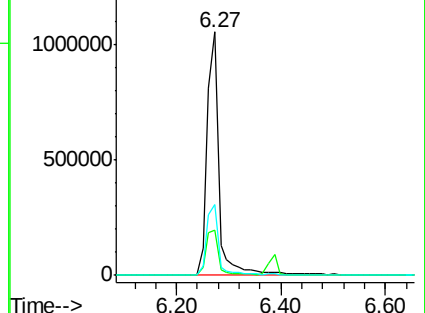
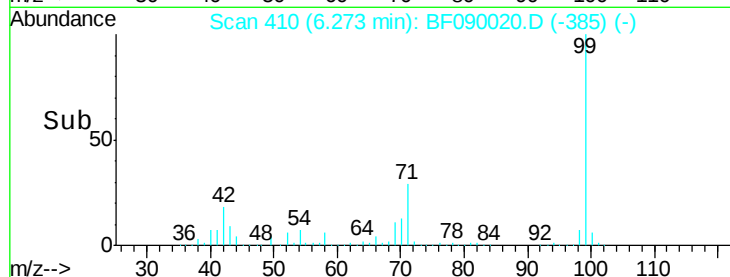
71 29.1 25.8 38.6



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: 12.68 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Tgt Ion: 70 Resp: 125198

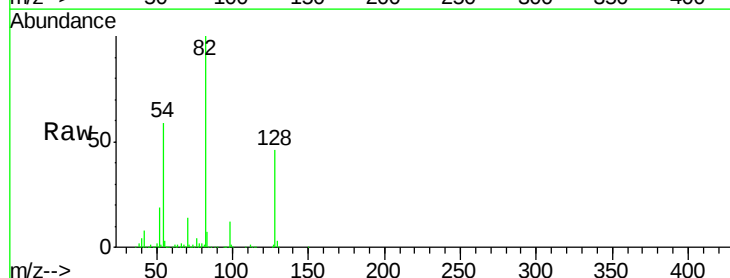
Ion Ratio Lower Upper

70 100

42 56.8 52.1 78.1

101 0.0 7.4 11.2#

130 2.3 17.0 25.4#

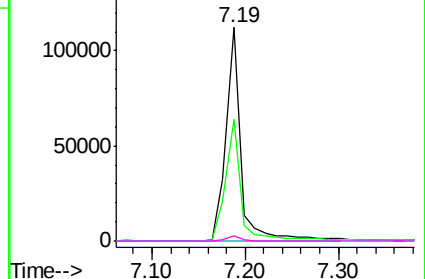
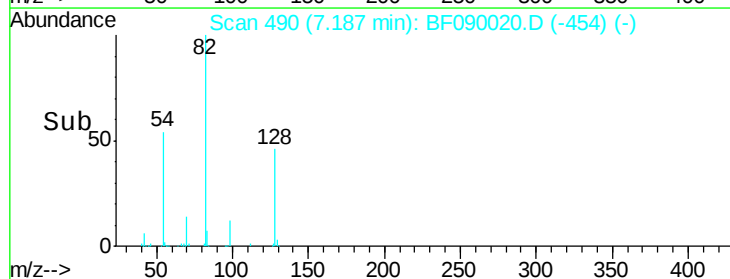


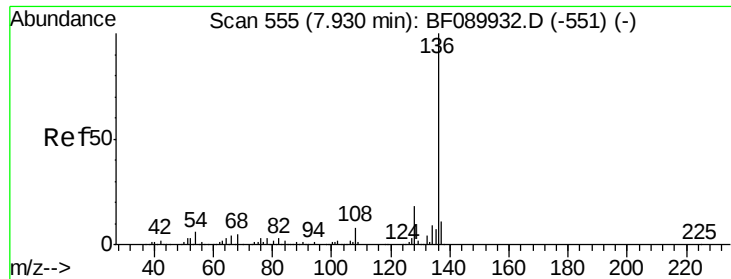
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

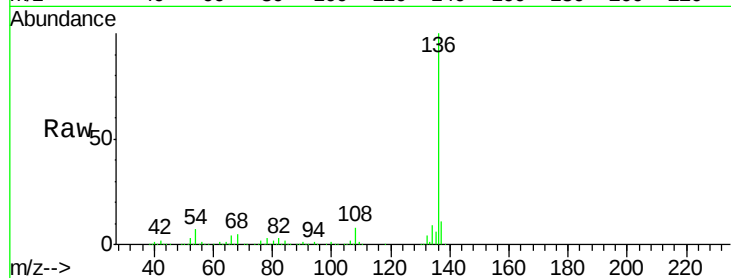




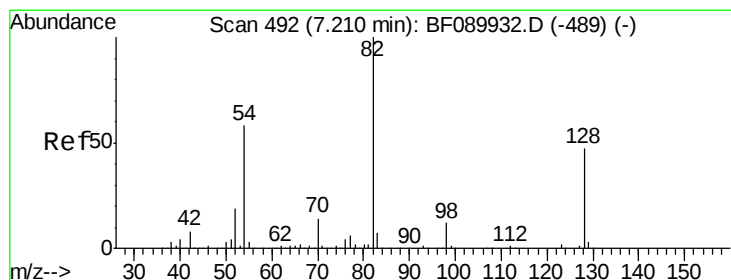
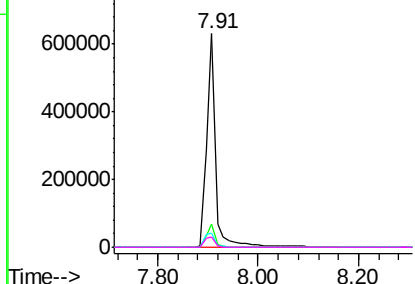
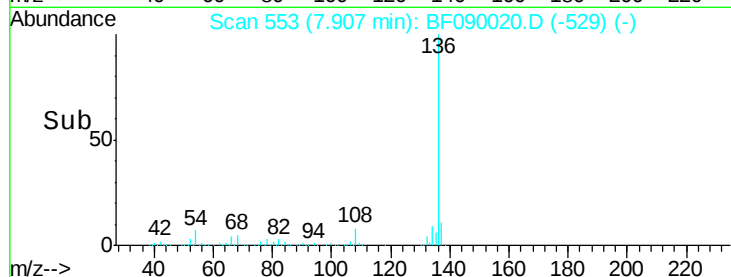
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.02 min
Lab File: BF090020.D
Acq: 7 Sep 2016 22:27

Instrument :
BNA_F
ClientSampleId :
SP-004

Tgt Ion:	136	Resp:	774162
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.3	12.5
54	6.7	4.8	7.2
68	4.8	3.7	5.5

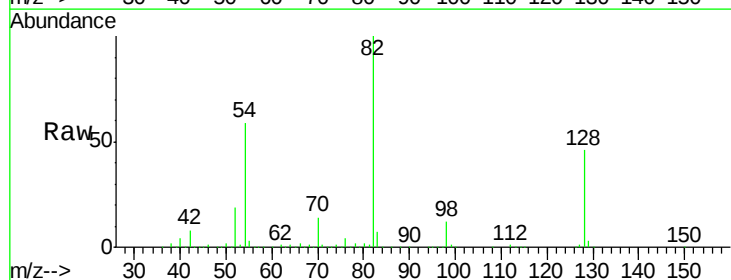


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

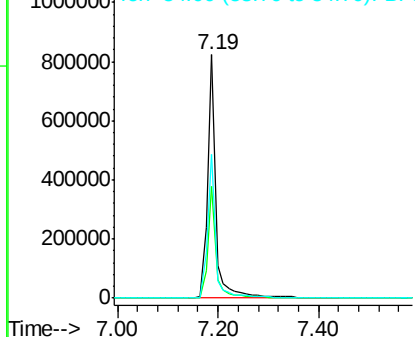
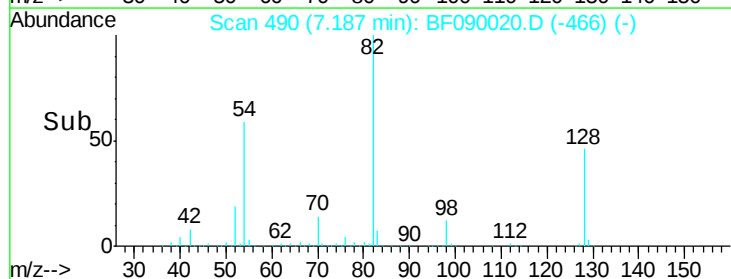


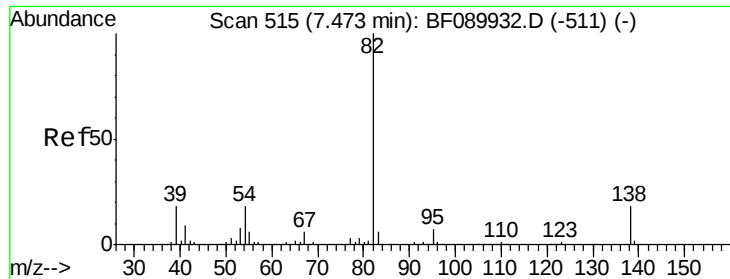
#23
Nitrobenzene-d5
Concen: 70.89 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF090020.D
Acq: 7 Sep 2016 22:27

Tgt Ion:	82	Resp:	946318
Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.8	56.8
54	59.1	46.9	70.3



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





#25

Isophorone

Concen: 28.50 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

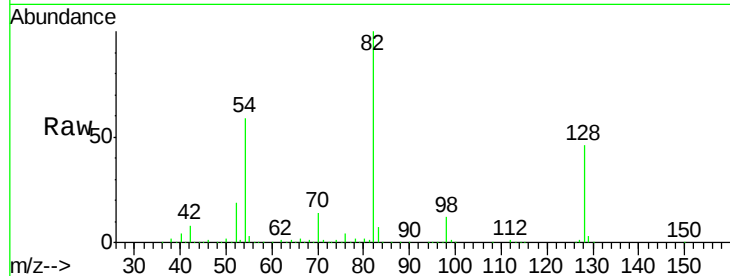
Tgt Ion: 82 Resp: 773731

Ion Ratio Lower Upper

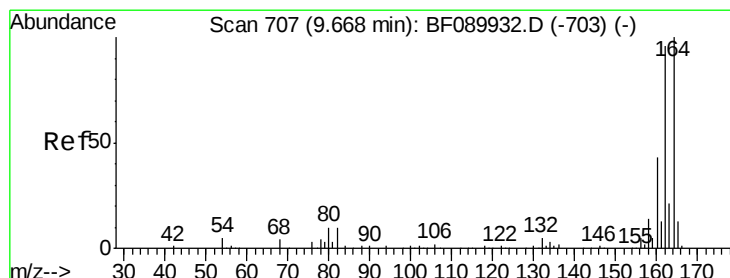
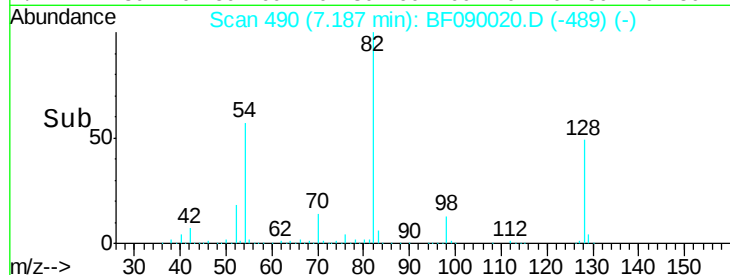
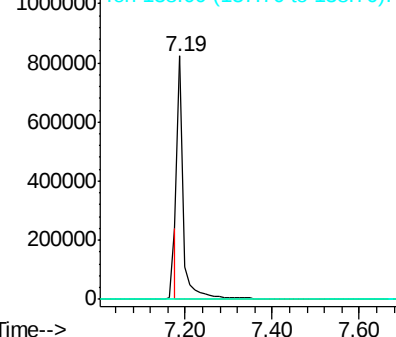
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

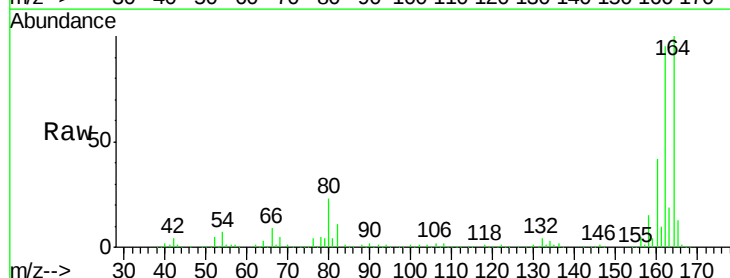
Tgt Ion: 164 Resp: 342820

Ion Ratio Lower Upper

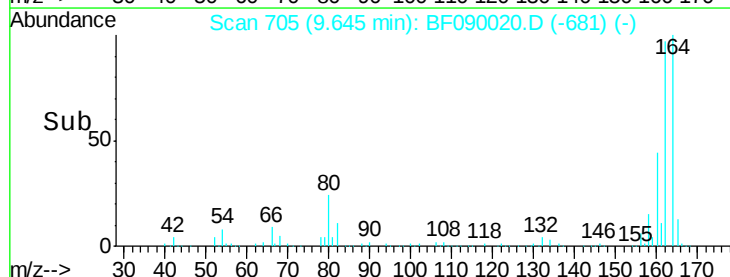
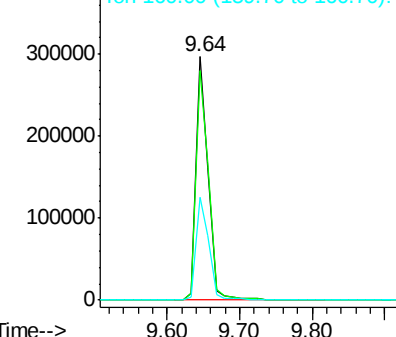
164 100

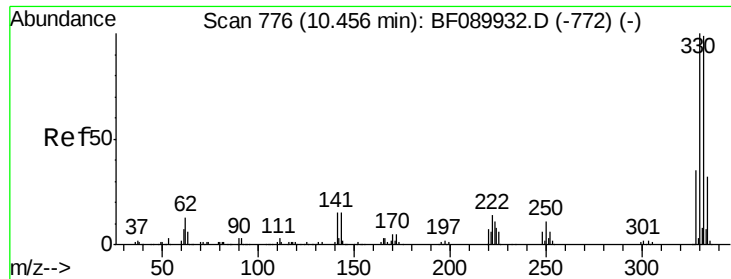
162 94.5 77.1 115.7

160 42.2 35.3 52.9



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

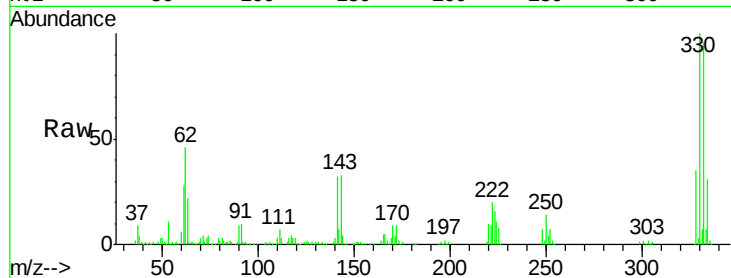




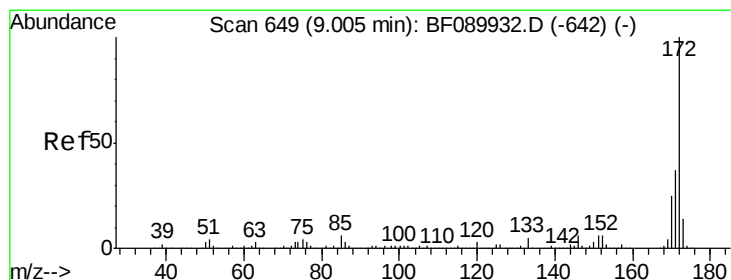
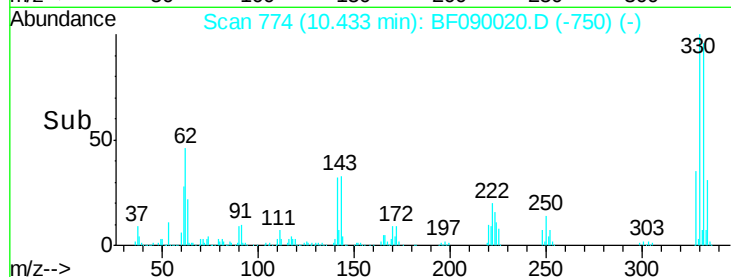
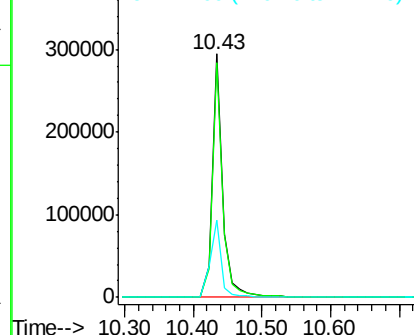
#41
 2,4,6-Tribromophenol
 Concen: 92.43 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: BF090020.D
 Acq: 7 Sep 2016 22:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-004

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.6	117.8
141	34.5	23.3	34.9

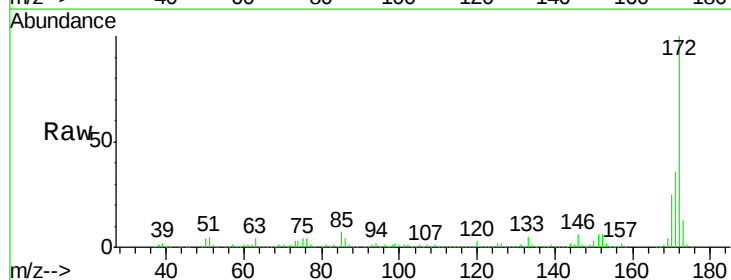


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

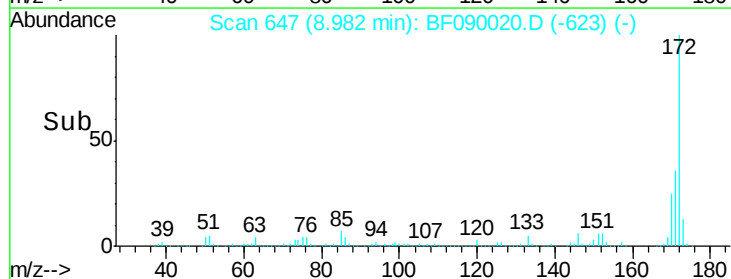
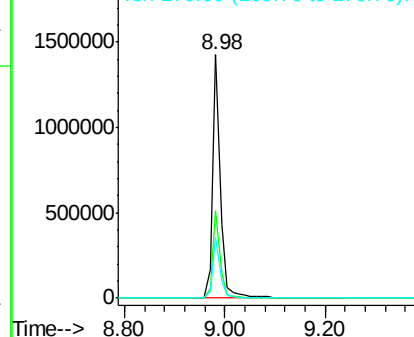


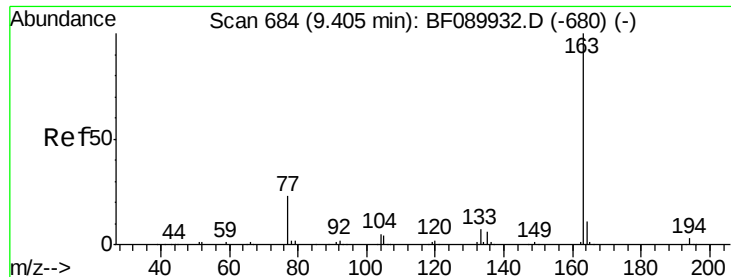
#44
 2-Fluorobiphenyl
 Concen: 73.12 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF090020.D
 Acq: 7 Sep 2016 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	24.8	20.1	30.1



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: 20.14 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampled :

SP-004

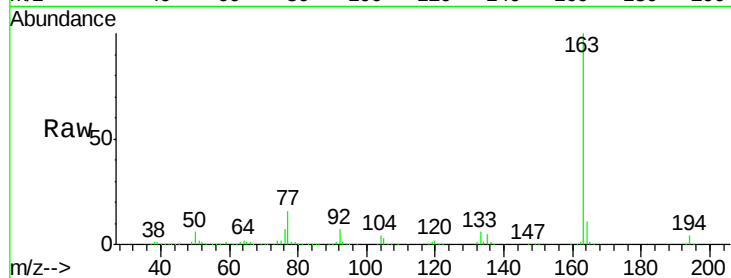
Tgt Ion:163 Resp: 499082

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

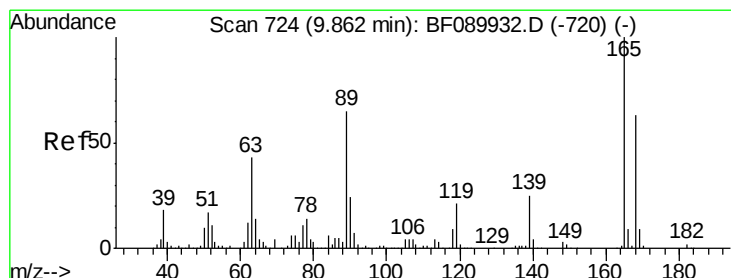
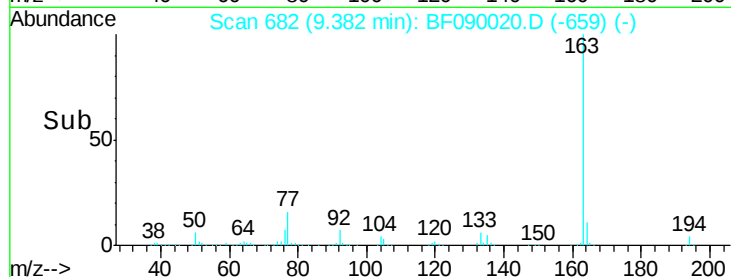
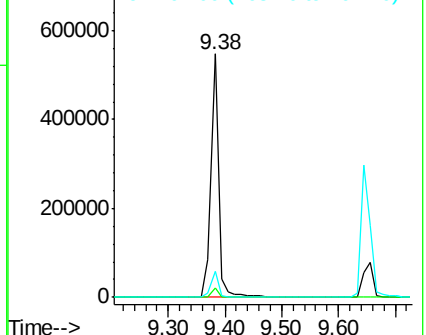
164 10.8 9.0 13.4



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: 6.36 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.22 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Tgt Ion:165 Resp: 44451

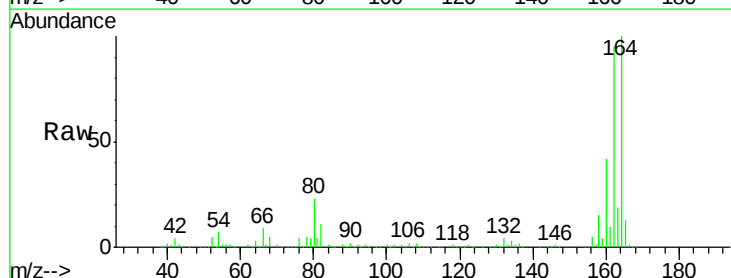
Ion Ratio Lower Upper

165 100

63 1.3 32.5 48.7#

89 1.5 48.3 72.5#

182 0.0 1.7 2.5#

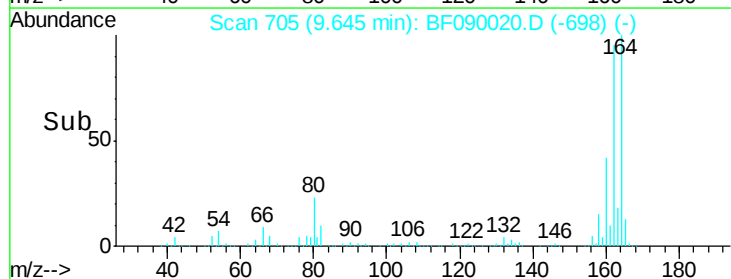
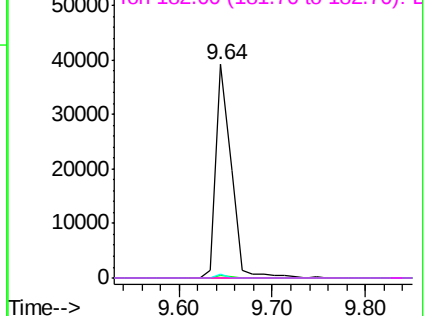


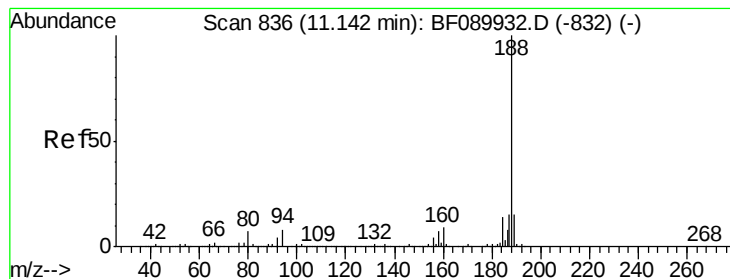
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

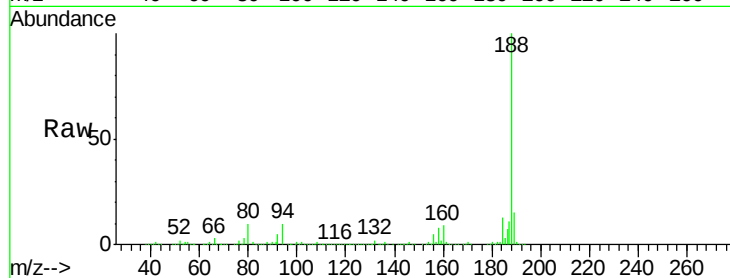
Tgt Ion:188 Resp: 595016

Ion Ratio Lower Upper

188 100

94 9.8 5.9 8.9#

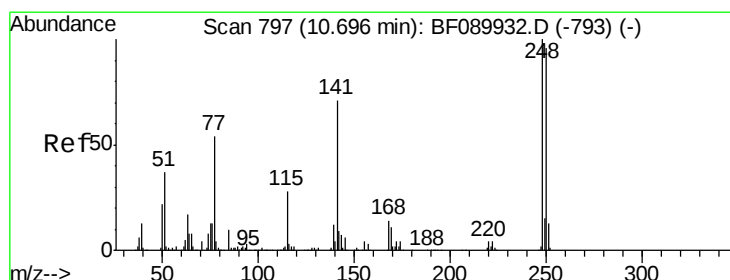
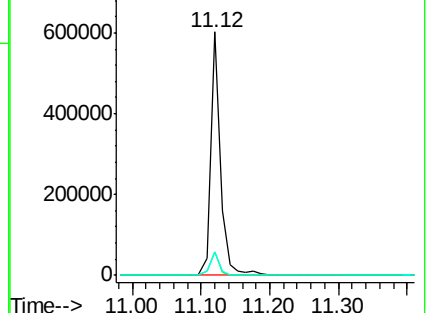
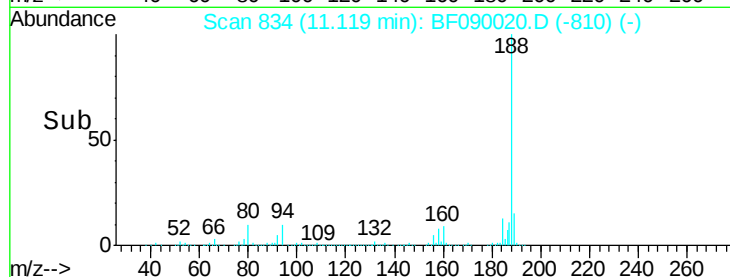
80 9.9 5.8 8.8#



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: 3.48 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

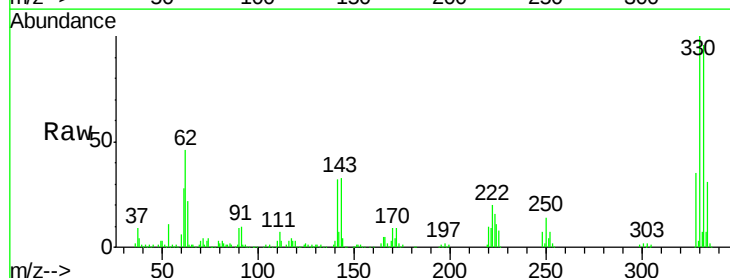
Tgt Ion:248 Resp: 20870

Ion Ratio Lower Upper

248 100

250 204.4 77.3 115.9#

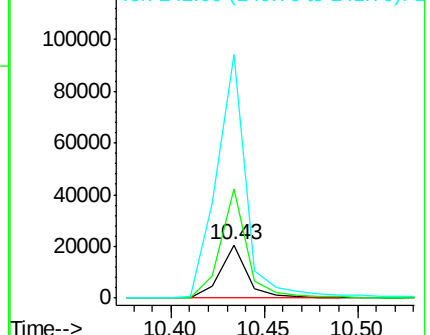
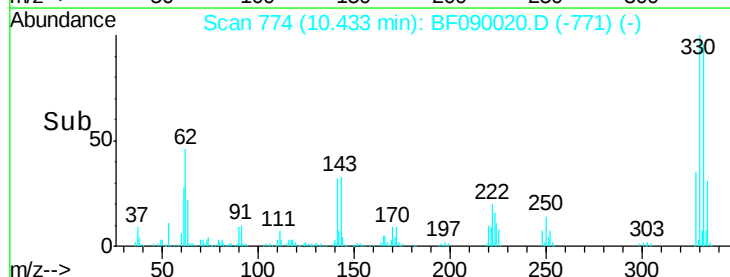
141 457.0 55.8 83.8#

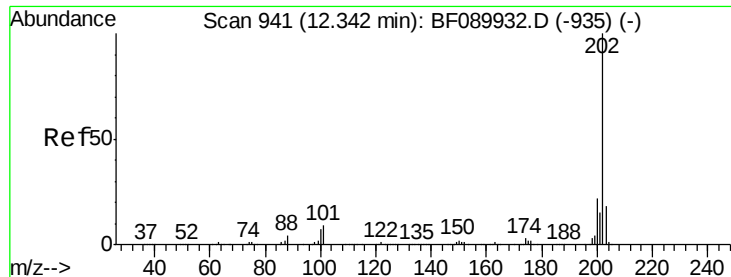


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.83 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

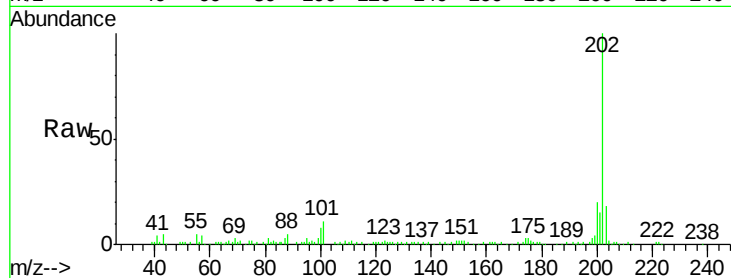
Tgt Ion:202 Resp: 87942

Ion Ratio Lower Upper

202 100

101 11.0 0.0 28.5

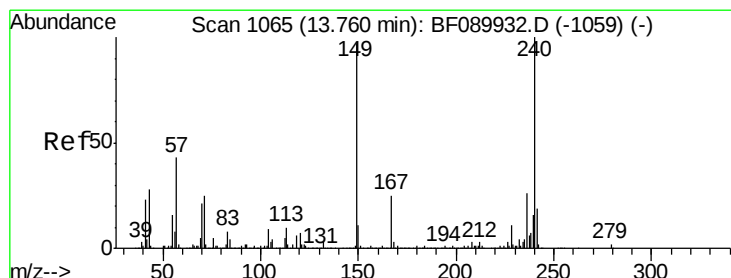
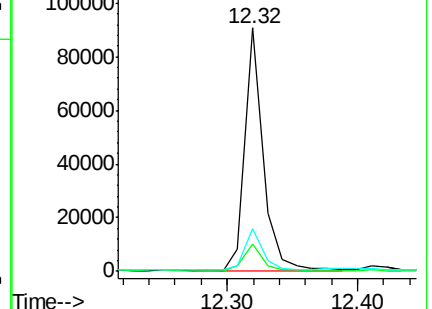
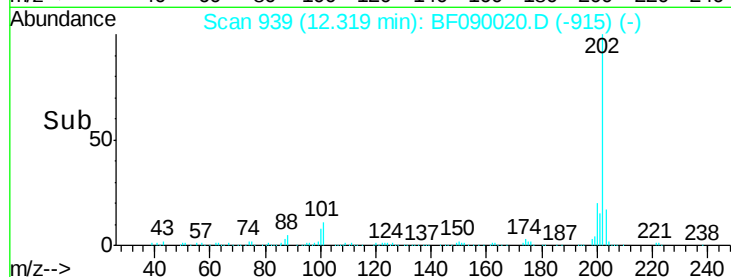
203 17.7 0.0 38.0



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: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

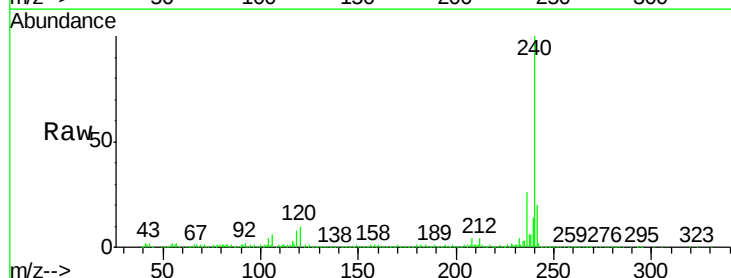
Tgt Ion:240 Resp: 449177

Ion Ratio Lower Upper

240 100

120 10.3 5.7 8.5#

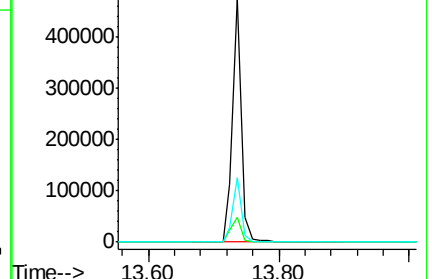
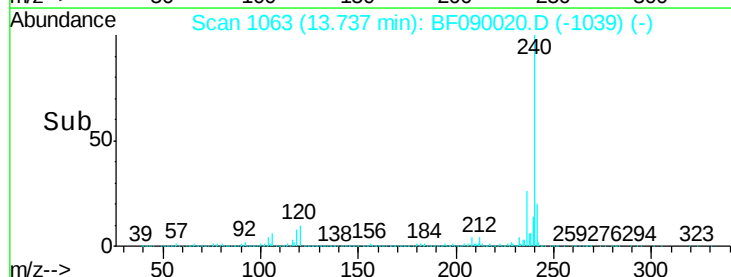
236 26.3 21.3 31.9

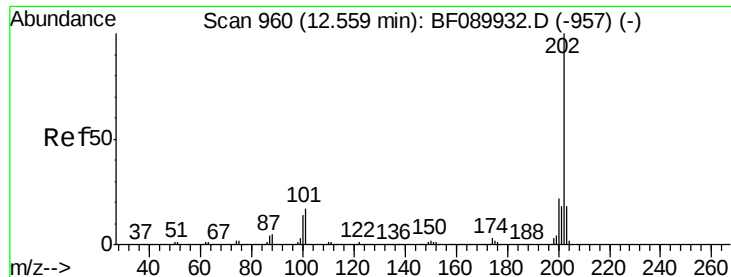


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

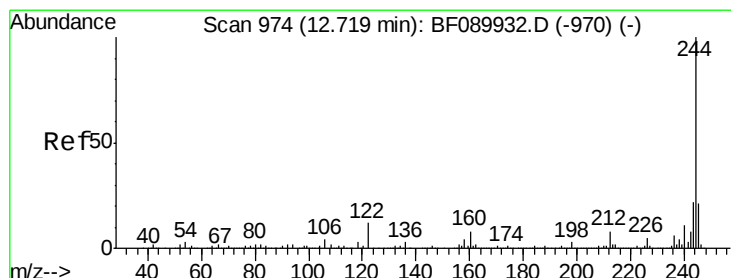
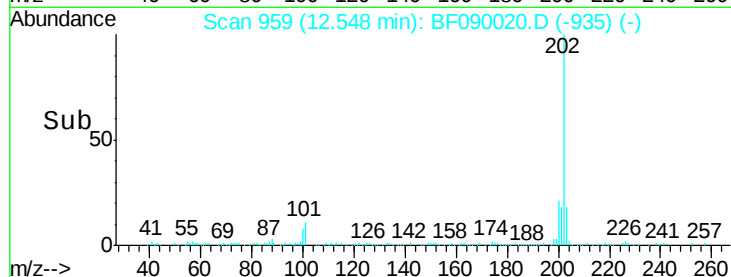
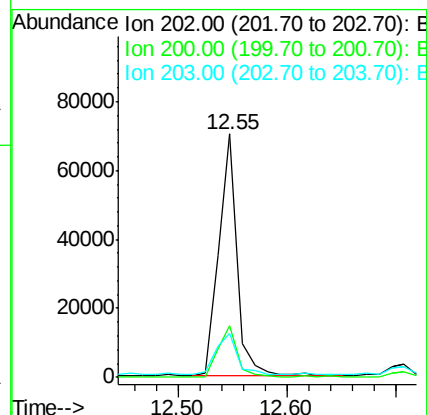
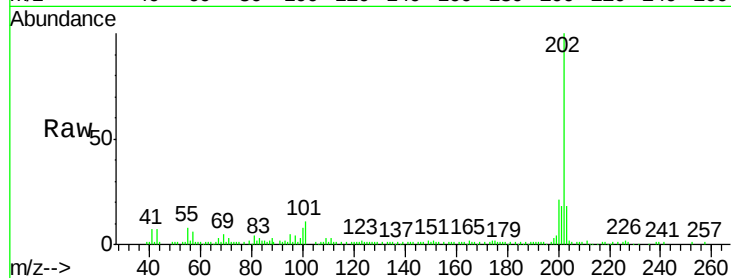




#77
 Pyrene
 Concen: 2.65 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.02 min
 Lab File: BF090020.D
 Acq: 7 Sep 2016 22:27

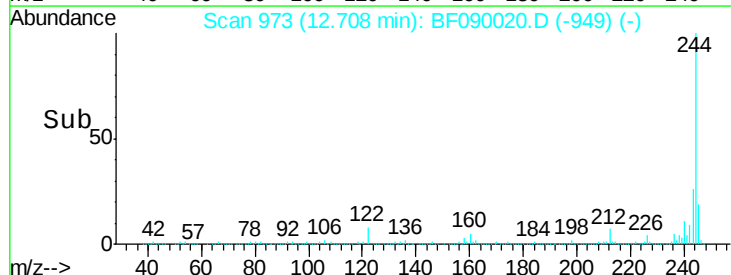
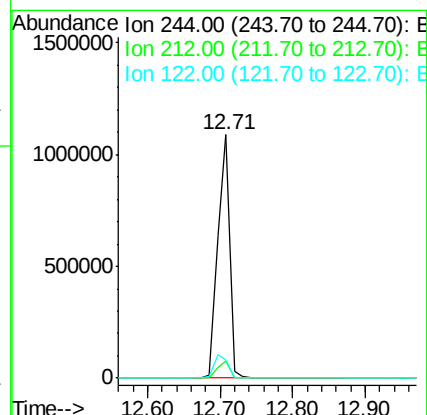
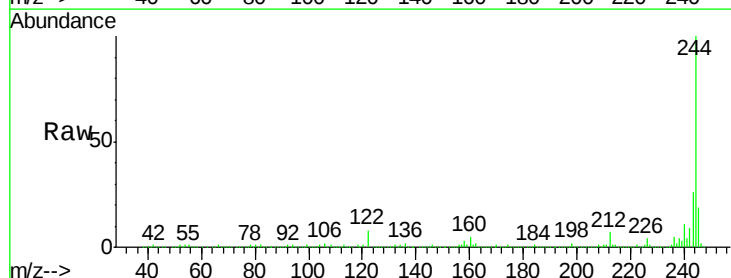
Instrument :
 BNA_F
 ClientSampleId :
 SP-004

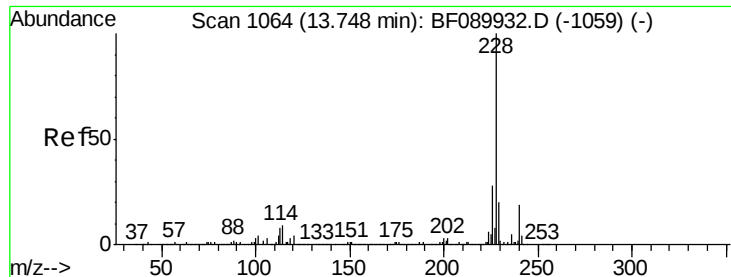
Tgt Ion:202 Resp: 83904
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.6 26.4
 203 18.2 14.6 21.8



#78
 Terphenyl-d14
 Concen: 67.82 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.02 min
 Lab File: BF090020.D
 Acq: 7 Sep 2016 22:27

Tgt Ion:244 Resp: 1233147
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 7.5 9.6 14.4#





#80

Benzo(a)anthracene

Concen: 2.06 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

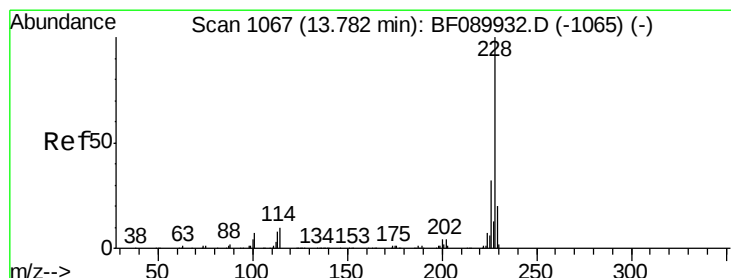
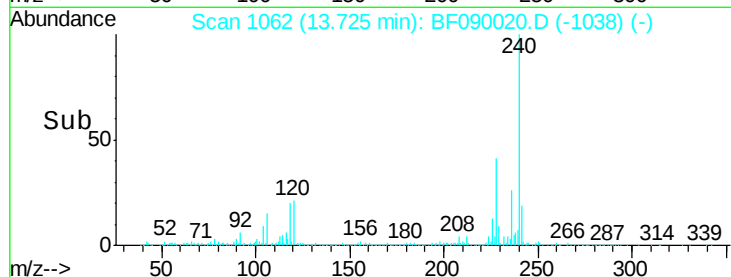
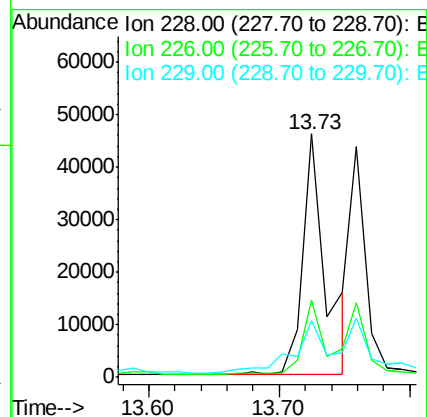
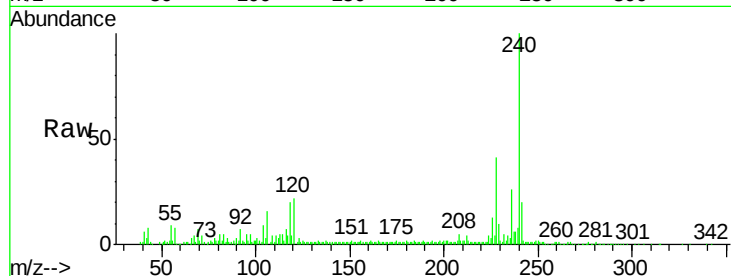
Tgt Ion:228 Resp: 56802

Ion Ratio Lower Upper

228 100

226 31.8 22.2 33.2

229 23.1 15.8 23.6



#82

Chrysene

Concen: 2.21 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.06 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

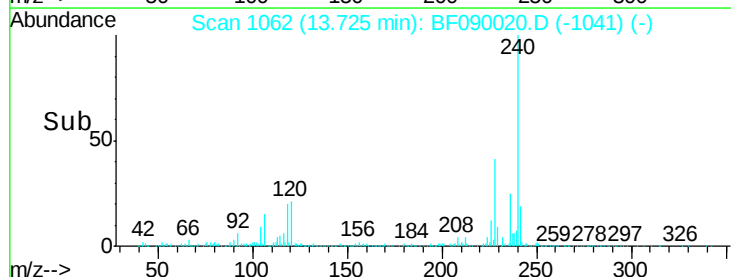
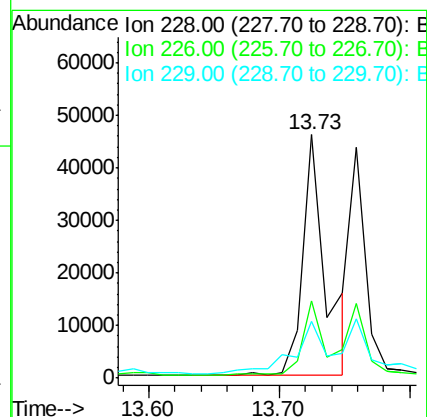
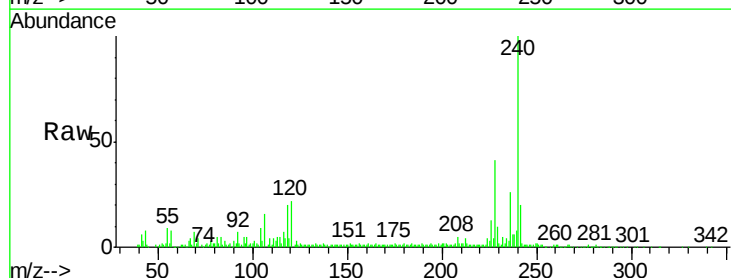
Tgt Ion:228 Resp: 56802

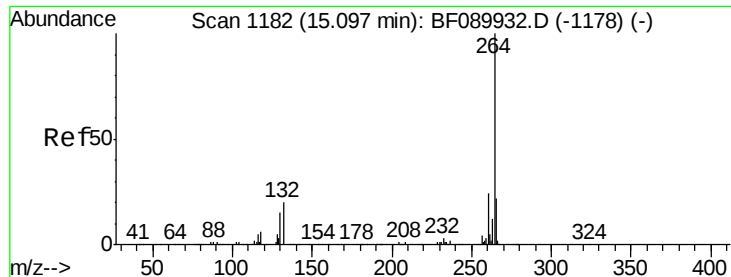
Ion Ratio Lower Upper

228 100

226 31.8 25.2 37.8

229 23.1 16.2 24.2

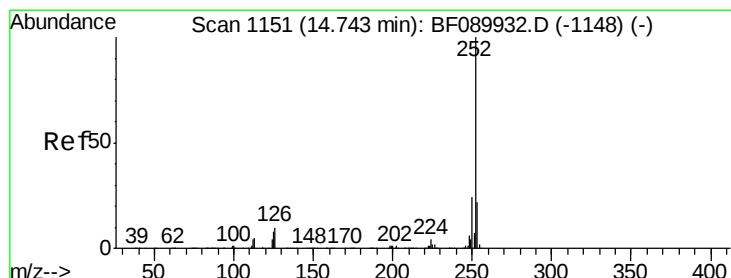
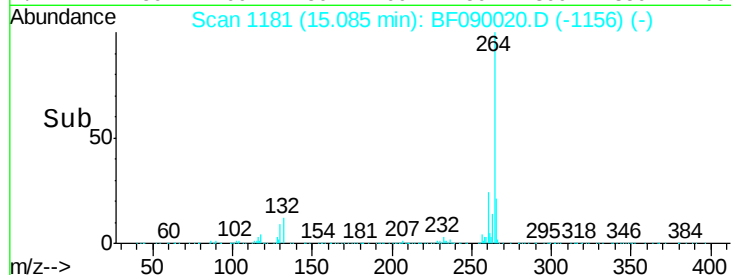
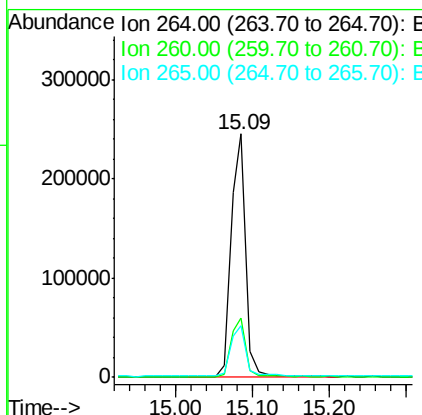
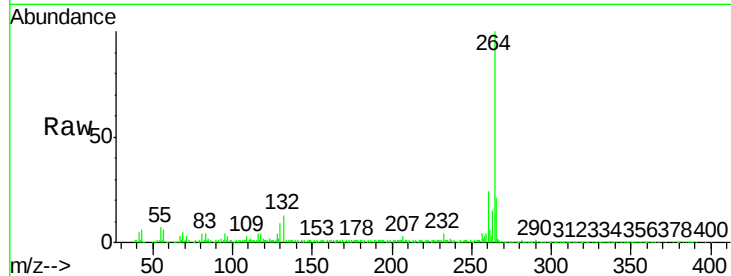




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF090020.D
Acq: 7 Sep 2016 22:27

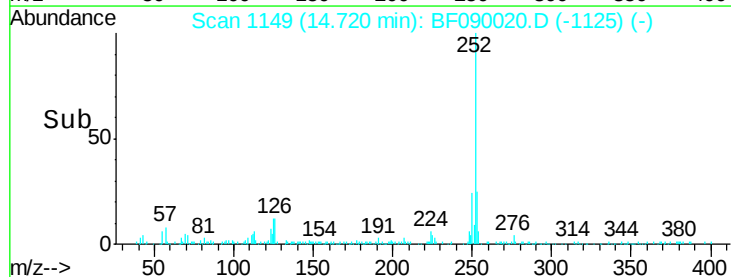
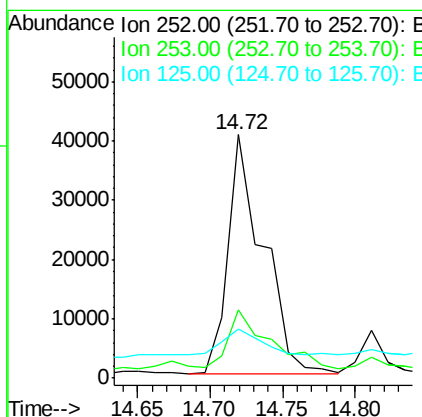
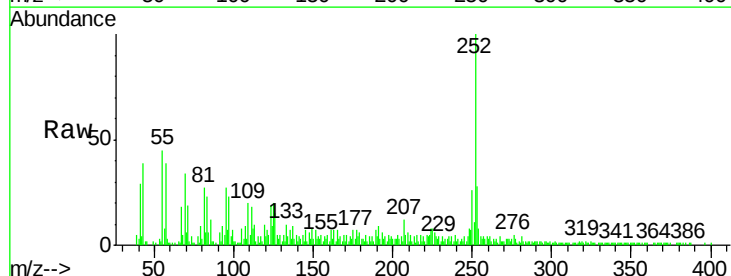
Instrument :
BNA_F
ClientSampleId :
SP-004

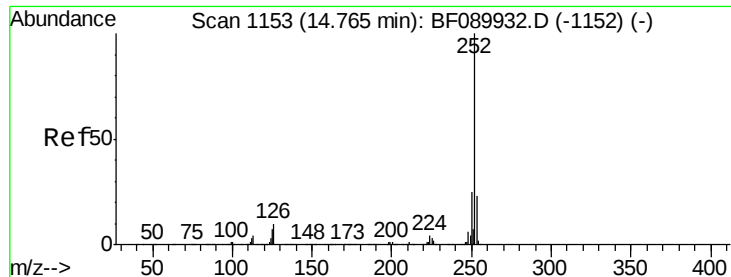
Tgt Ion:264 Resp: 329991
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 21.1 17.4 26.2



#87
Benzo(b)fluoranthene
Concen: 3.31 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF090020.D
Acq: 7 Sep 2016 22:27

Tgt Ion:252 Resp: 68382
Ion Ratio Lower Upper
252 100
253 27.9 18.0 27.0#
125 20.3 5.7 8.5#





#88

Benzo(k)fluoranthene

Concen: 3.90 ng

RT: 14.72 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF090020.D

Acq: 7 Sep 2016 22:27

Instrument :

BNA_F

ClientSampleId :

SP-004

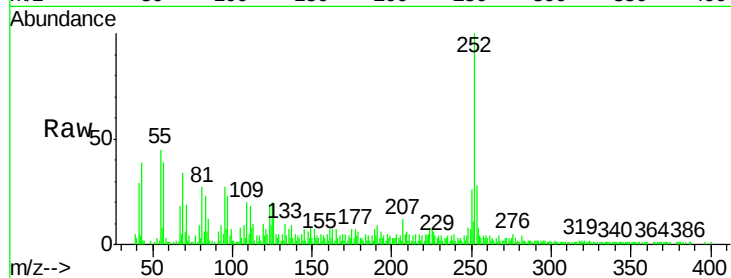
Tgt Ion: 252 Resp: 68382

Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.8#

125 20.3 7.3 10.9#



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

