

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090716\
 Data File : BF090019.D
 Acq On : 7 Sep 2016 21:59
 Operator : UM/SJ
 Sample : H4686-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-003

Quant Time: Sep 08 07:17:51 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

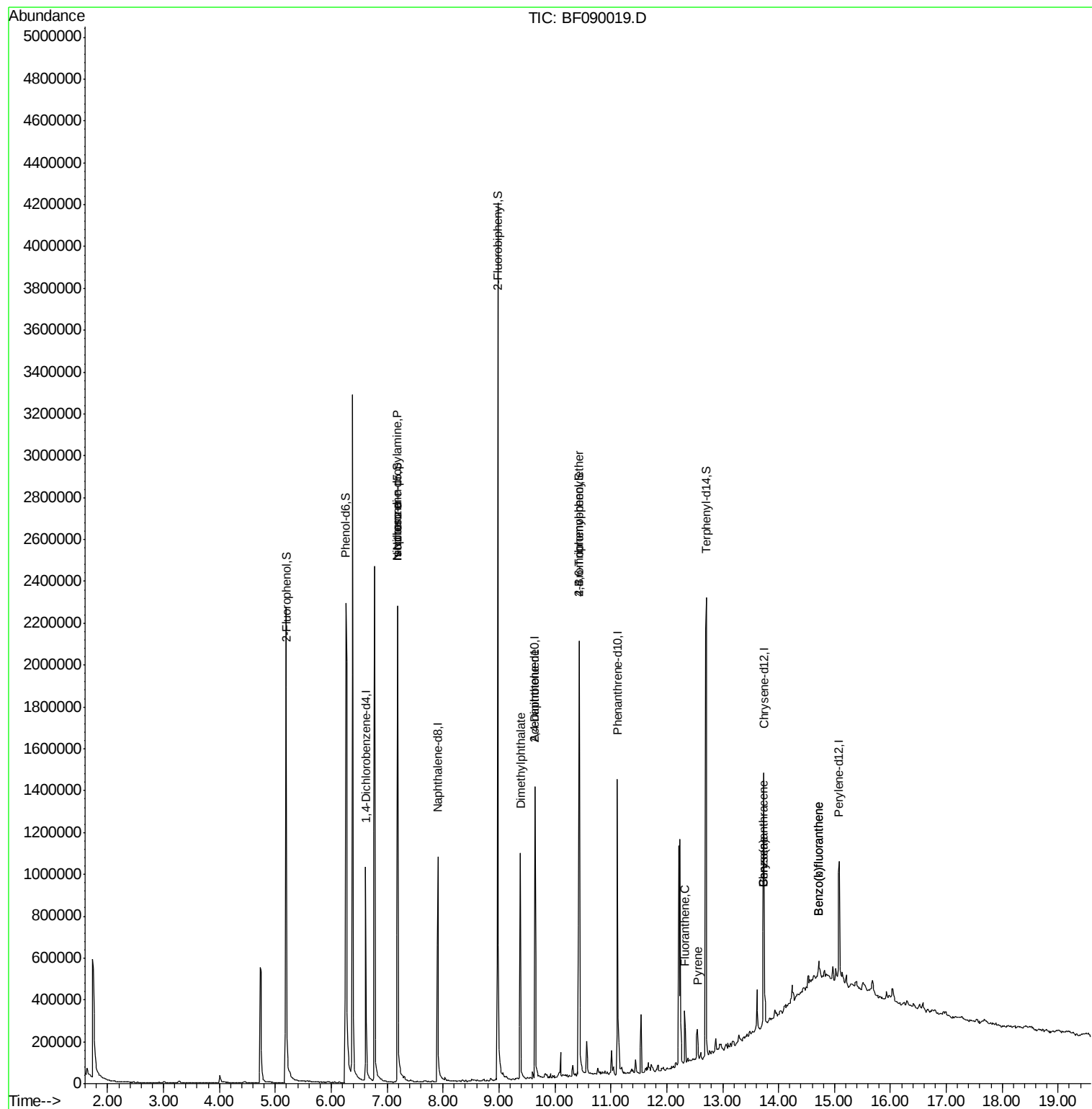
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	182547	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	730469	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	330057	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	562879	20.00	ng	-0.02
75) Chrysene-d12	13.74	240	435118	20.00	ng	-0.02
86) Perylene-d12	15.09	264	325581	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1064301	93.32	ng	-0.01
7) Phenol-d6	6.26	99	1441841	104.05	ng	-0.02
23) Nitrobenzene-d5	7.19	82	868875	68.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	290318	89.16	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1386267	68.95	ng	-0.02
78) Terphenyl-d14	12.71	244	1084229	61.55	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	111264	12.32	ng	# 82
25) Isophorone	7.19	82	701961	27.41	ng	# 65
49) Dimethylphthalate	9.38	163	490098	20.54	ng	98
56) 2,4-Dinitrotoluene	9.64	165	42835	6.37	ng	# 29
66) 4-Bromophenyl-phenylether	10.43	248	20488	3.62	ng	# 1
74) Fluoranthene	12.32	202	78646	2.68	ng	96
77) Pyrene	12.55	202	83432	2.72	ng	98
80) Benzo(a)anthracene	13.73	228	54422	2.04	ng	96
82) Chrysene	13.73	228	54422	2.19	ng	97
87) Benzo(b)fluoranthene	14.72	252	54006	2.65	ng	# 83
88) Benzo(k)fluoranthene	14.72	252	54006	3.12	ng	# 83

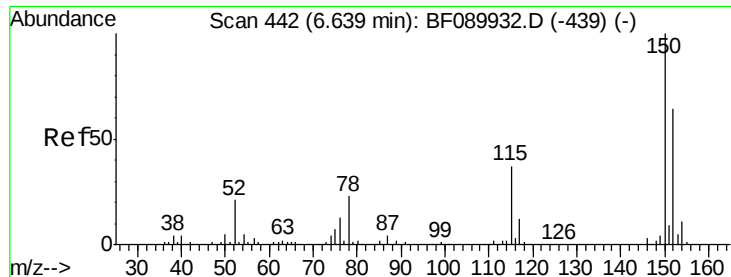
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampled :

SP-003

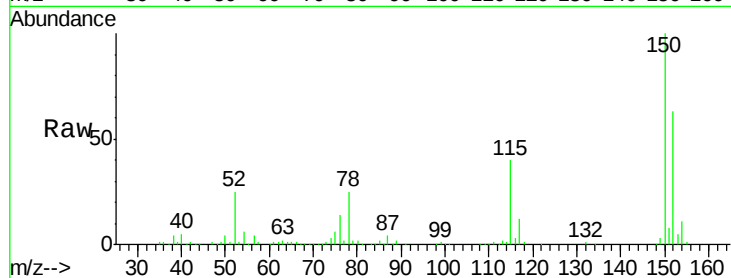
Tgt Ion:152 Resp: 182547

Ion Ratio Lower Upper

152 100

150 159.6 127.4 191.2

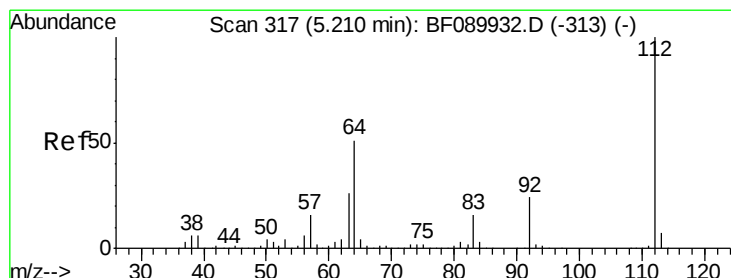
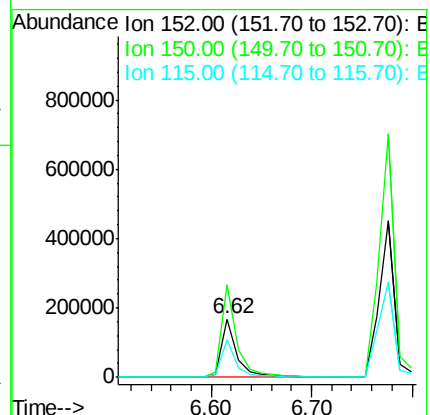
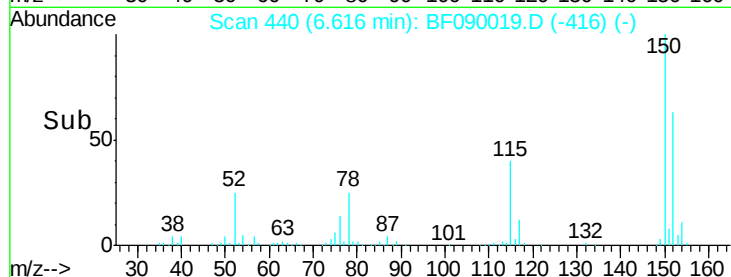
115 64.0 46.3 69.5



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: 93.32 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

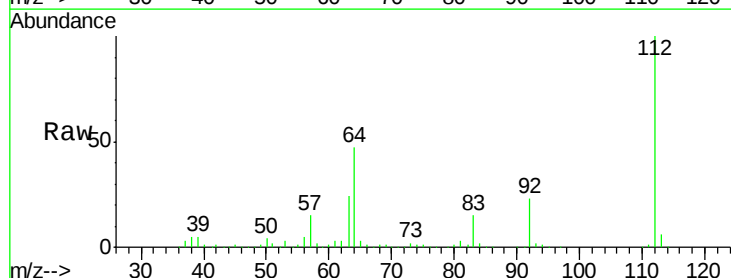
Tgt Ion:112 Resp: 1064301

Ion Ratio Lower Upper

112 100

64 47.2 41.1 61.7

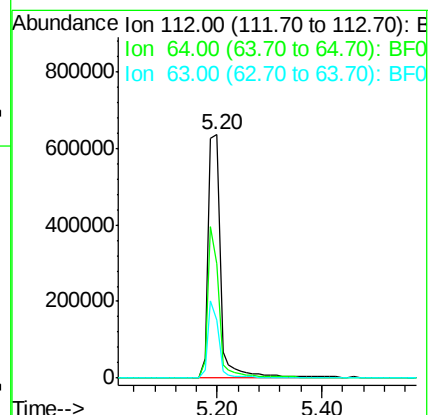
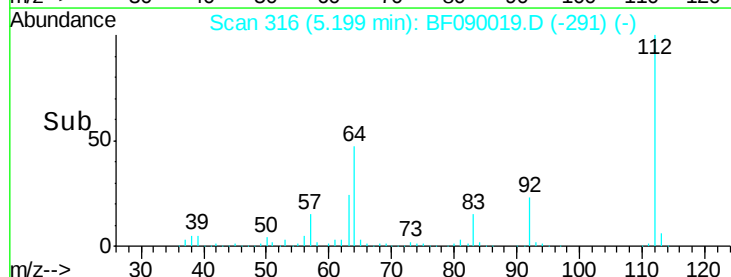
63 24.1 21.2 31.8

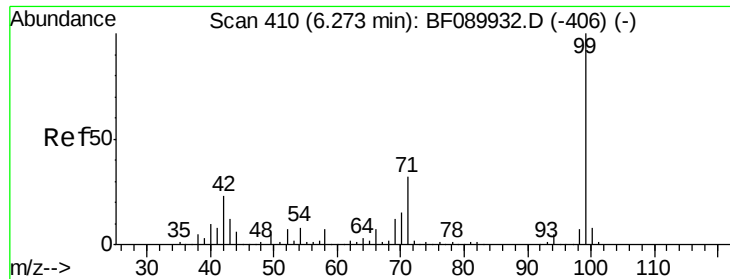


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.05 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampleId :

SP-003

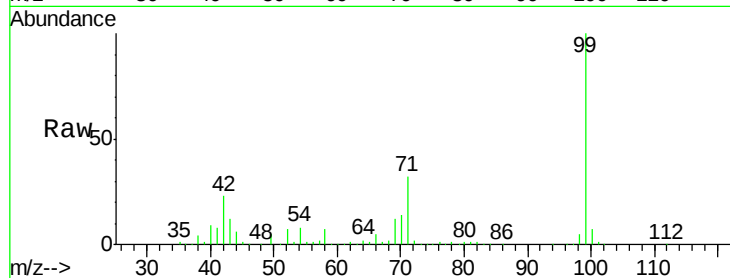
Tgt Ion: 99 Resp: 1441841

Ion Ratio Lower Upper

99 100

42 23.3 18.6 27.8

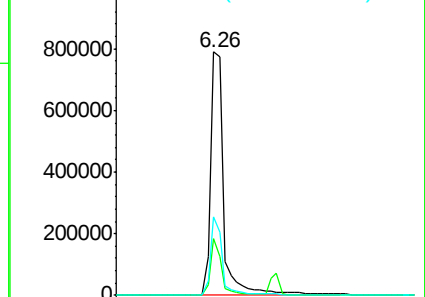
71 32.2 25.8 38.6



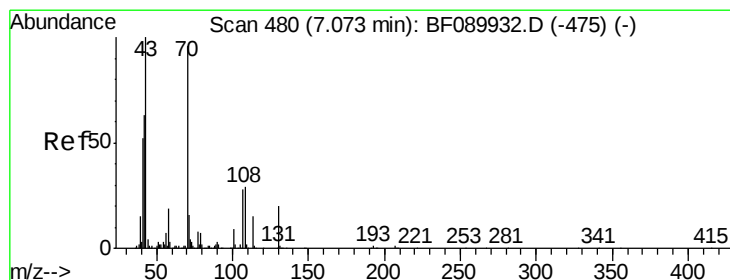
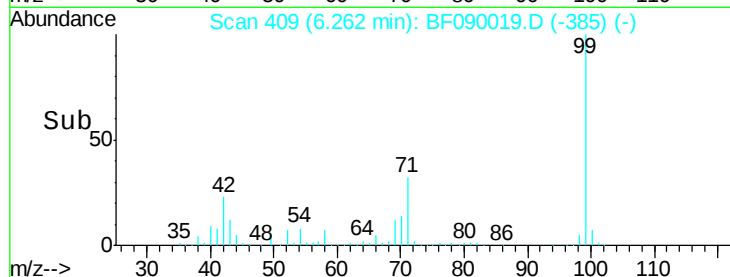
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 12.32 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Tgt Ion: 70 Resp: 111264

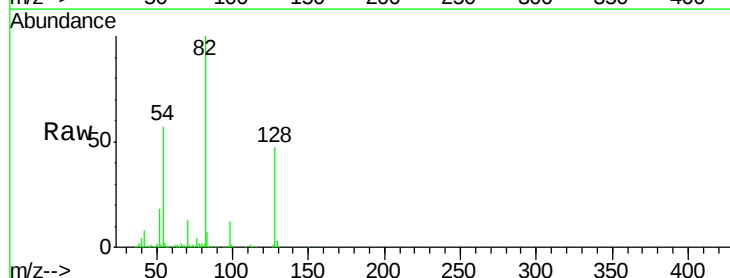
Ion Ratio Lower Upper

70 100

42 58.1 52.1 78.1

101 0.0 7.4 11.2#

130 2.2 17.0 25.4#

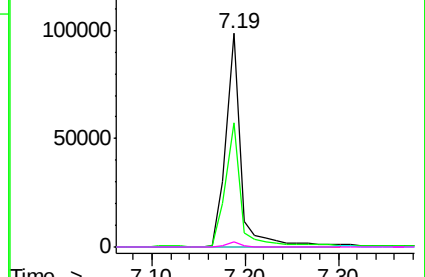


Abundance Ion 70.00 (69.70 to 70.70): BF0

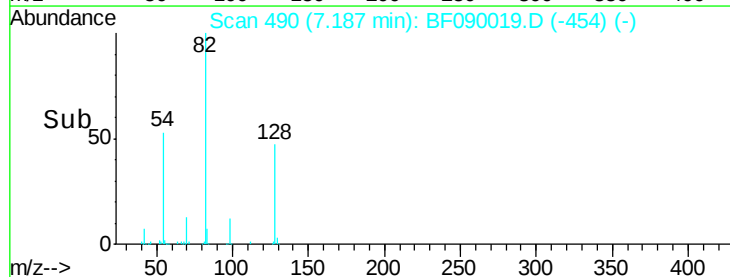
Ion 42.00 (41.70 to 42.70): BF0

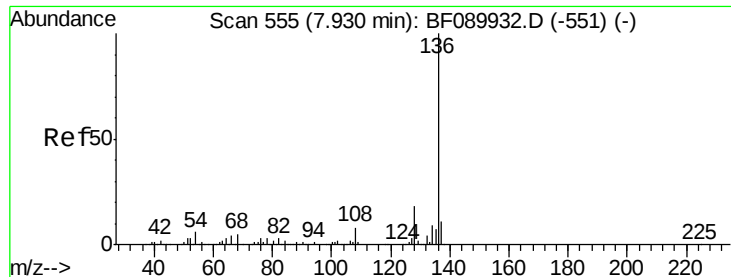
Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->

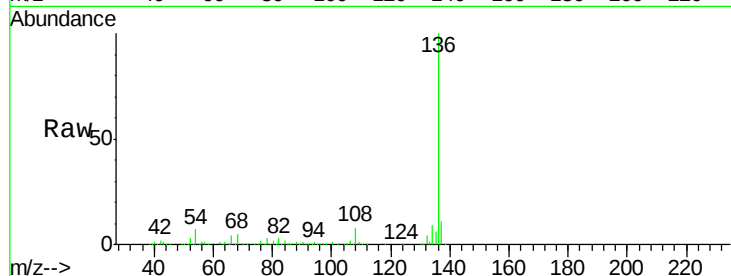




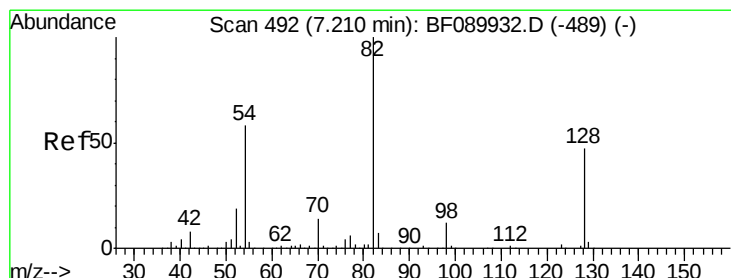
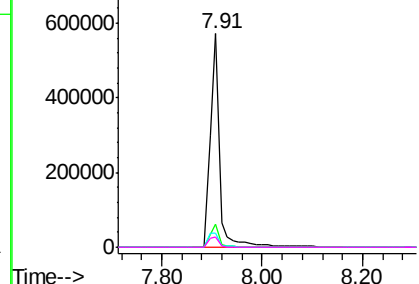
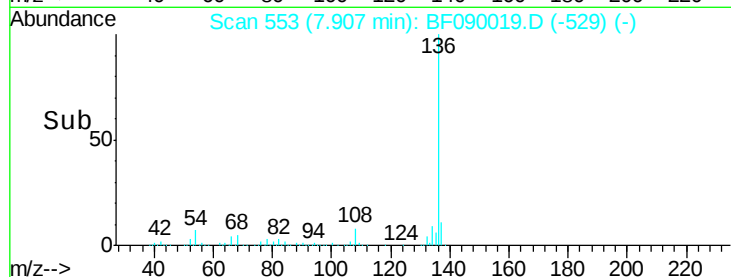
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.02 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Instrument :
BNA_F
ClientSampleId :
SP-003

Tgt Ion:	136	Resp:	730469
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.3	12.5
54	6.5	4.8	7.2
68	4.8	3.7	5.5

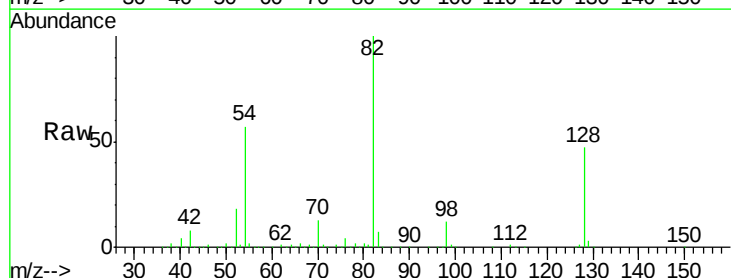


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

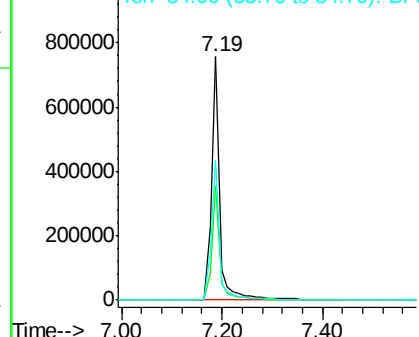
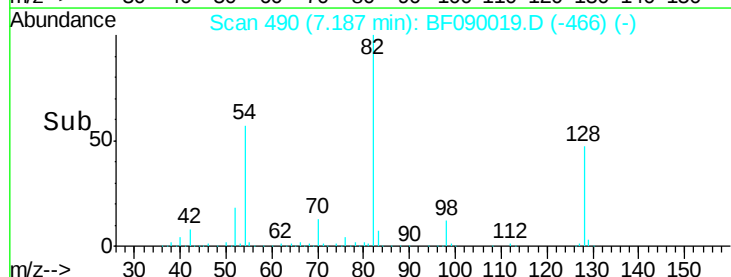


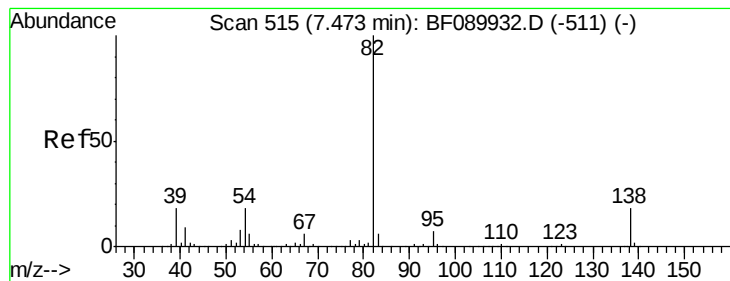
#23
Nitrobenzene-d5
Concen: 68.98 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Tgt Ion:	82	Resp:	868875
Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.8	56.8
54	57.2	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: 27.41 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampleId :

SP-003

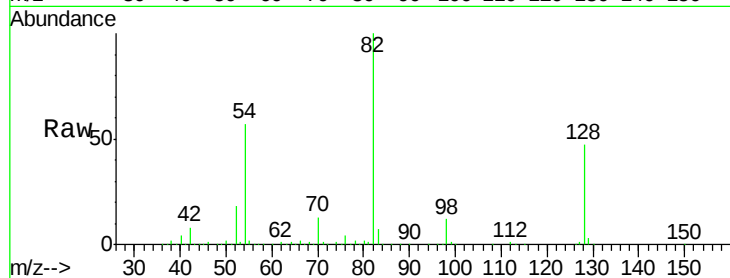
Tgt Ion: 82 Resp: 701961

Ion Ratio Lower Upper

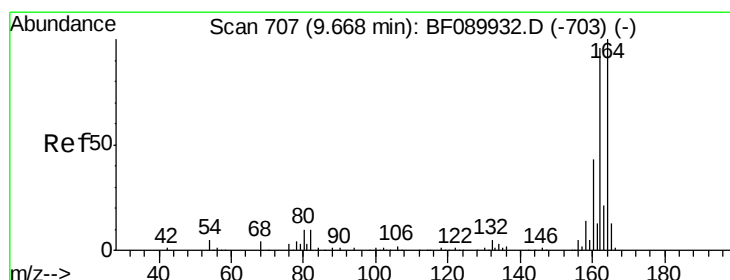
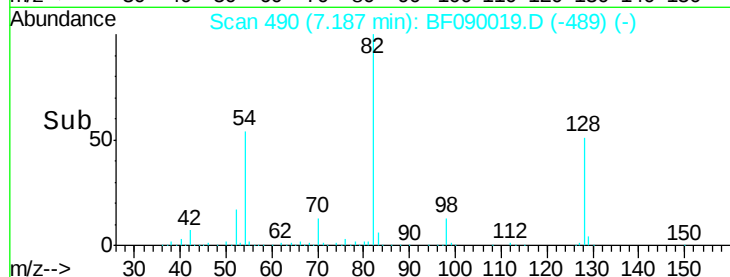
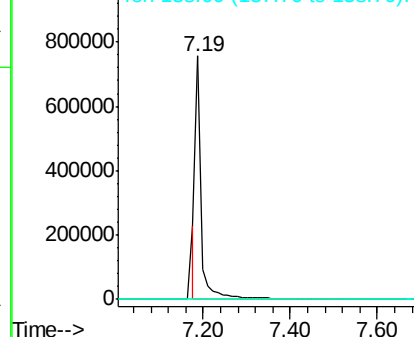
82 100

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: BF090019.D

Acq: 7 Sep 2016 21:59

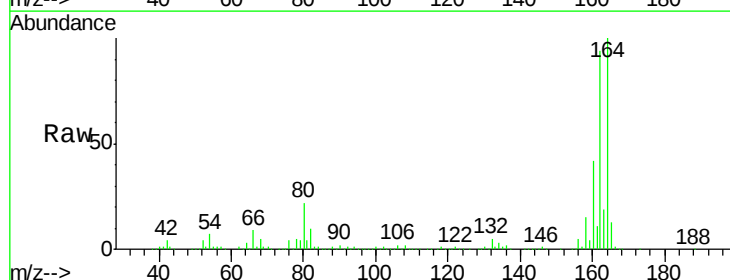
Tgt Ion: 164 Resp: 330057

Ion Ratio Lower Upper

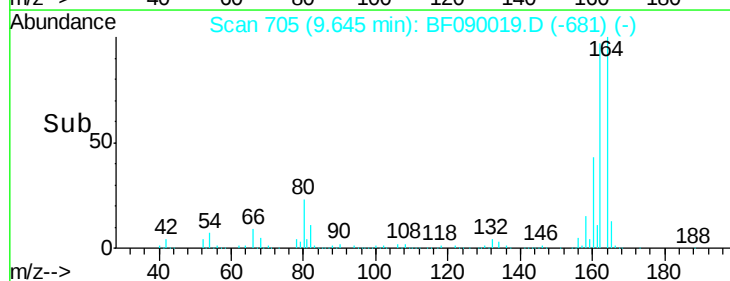
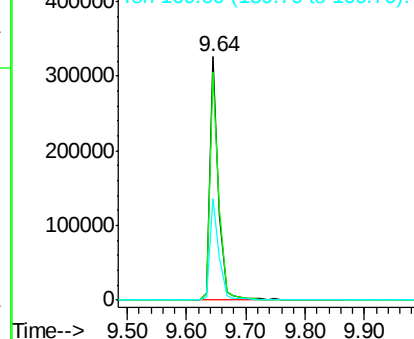
164 100

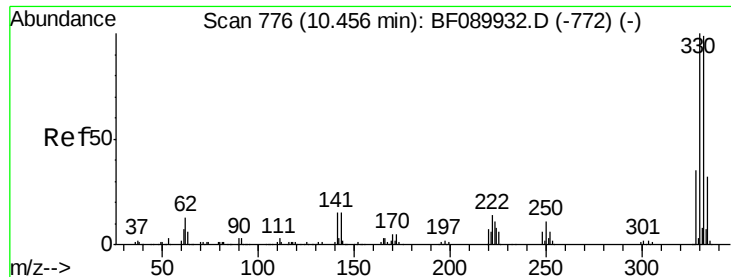
162 94.0 77.1 115.7

160 41.6 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

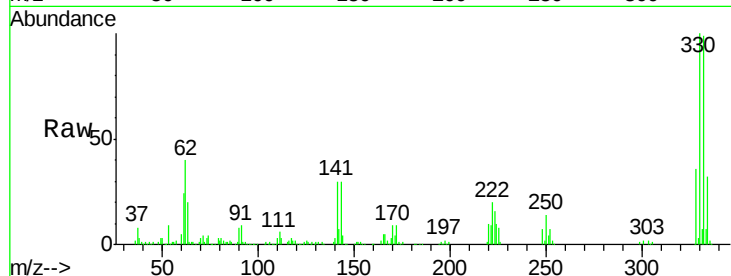




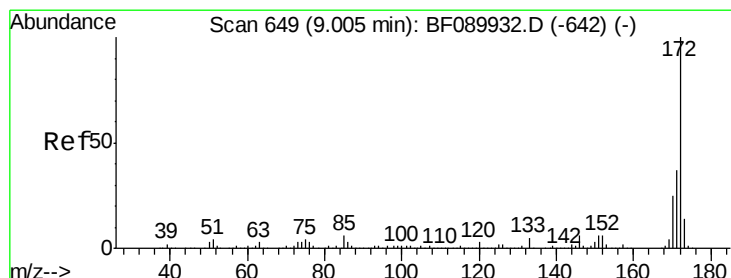
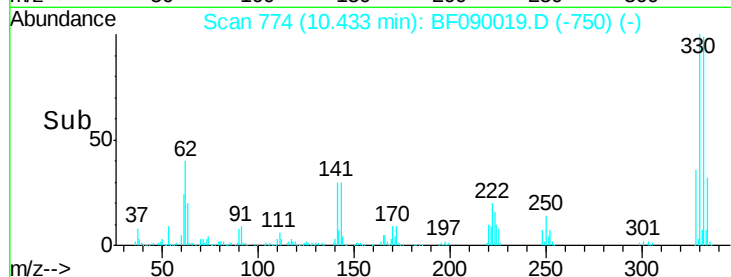
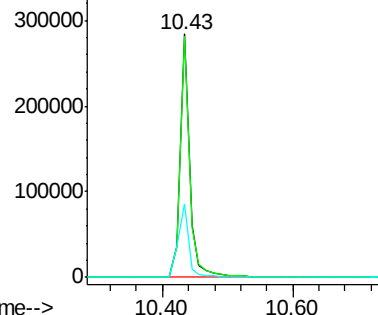
#41
 2,4,6-Tribromophenol
 Concen: 89.16 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: BF090019.D
 Acq: 7 Sep 2016 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SP-003

Tgt Ion:330 Resp: 290318
 Ion Ratio Lower Upper
 330 100
 332 98.1 78.6 117.8
 141 34.8 23.3 34.9

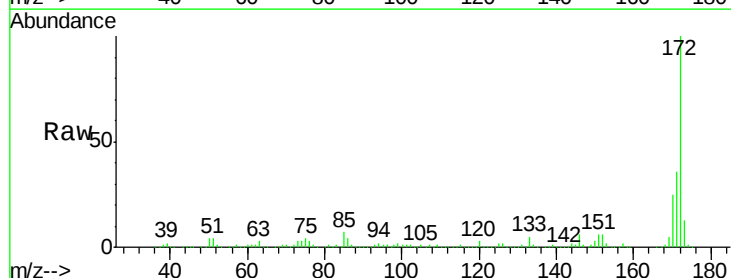


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

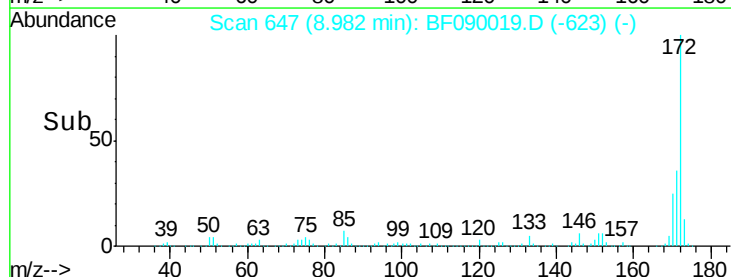
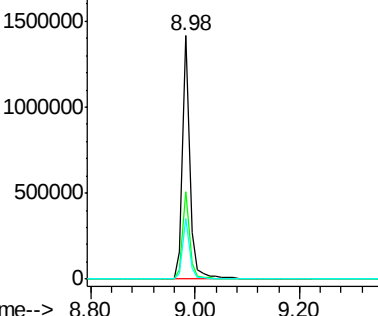


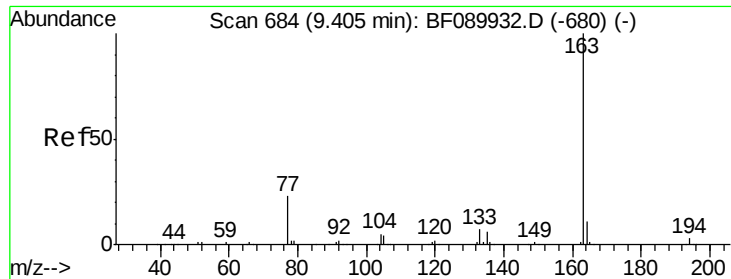
#44
 2-Fluorobiphenyl
 Concen: 68.95 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF090019.D
 Acq: 7 Sep 2016 21:59

Tgt Ion:172 Resp: 1386267
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.2
 170 25.1 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

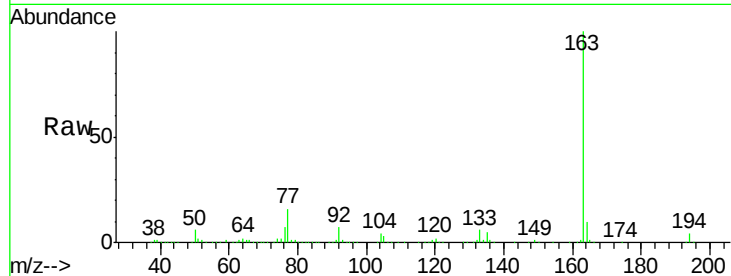




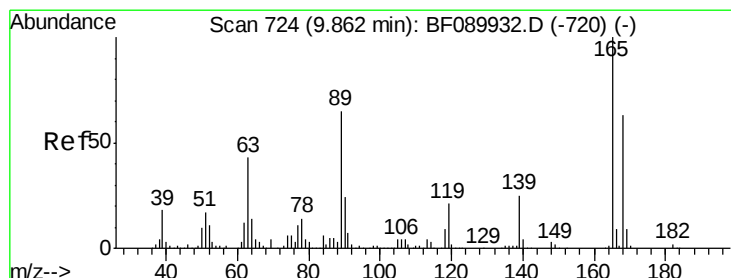
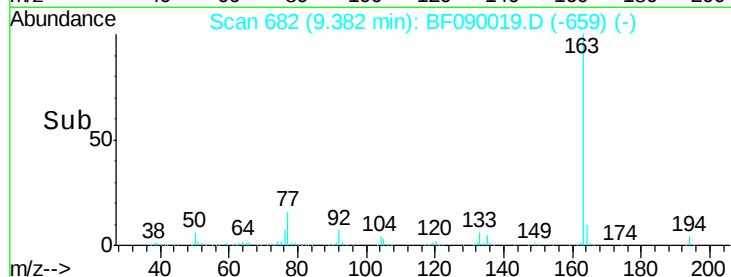
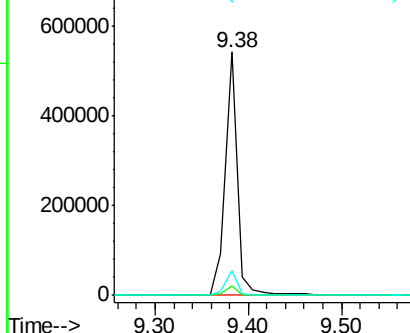
#49
Dimethylphthalate
Concen: 20.54 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Instrument :
BNA_F
ClientSampleId :
SP-003

Tgt Ion:163 Resp: 490098
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.3 9.0 13.4

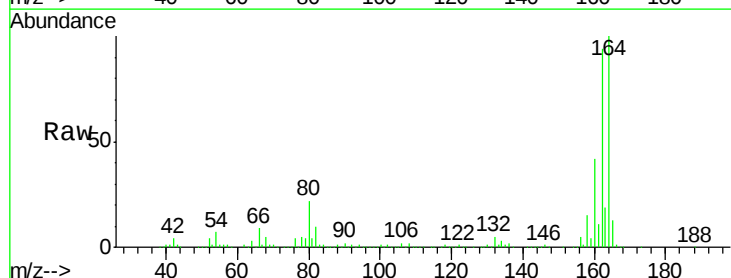


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

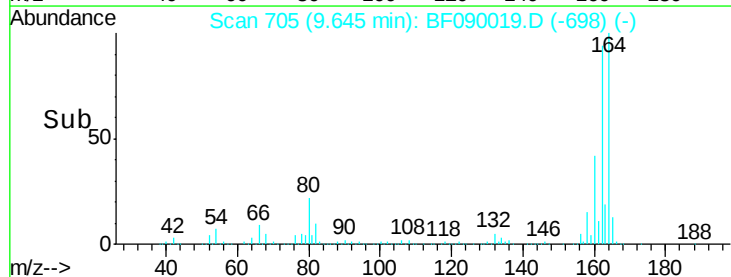
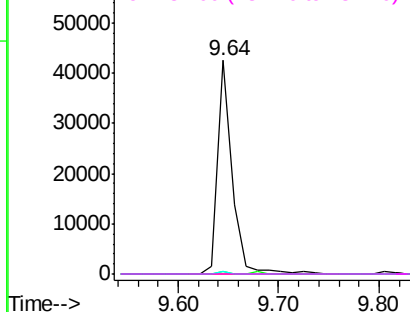


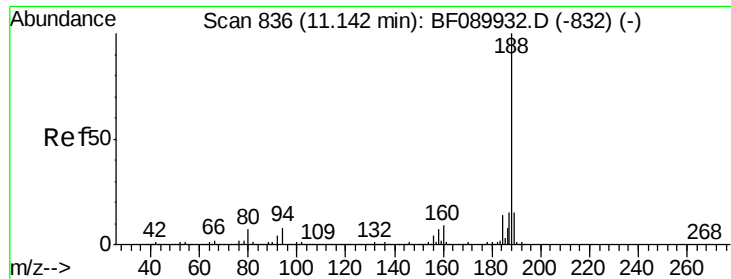
#56
2,4-Dinitrotoluene
Concen: 6.37 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.22 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Tgt Ion:165 Resp: 42835
Ion Ratio Lower Upper
165 100
63 1.1 32.5 48.7#
89 1.3 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

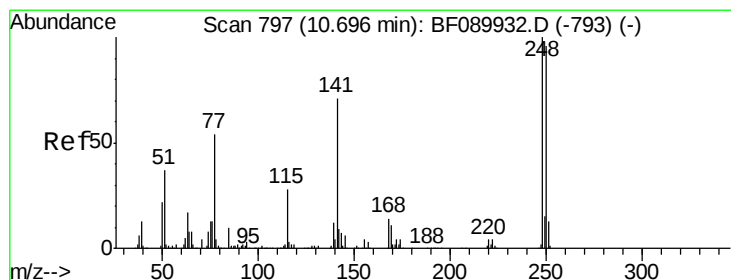
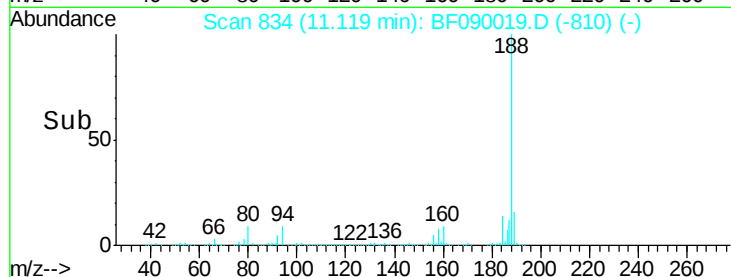
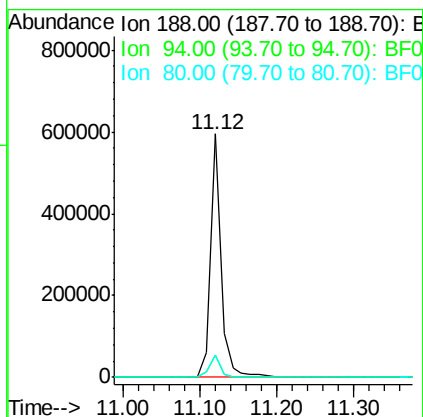
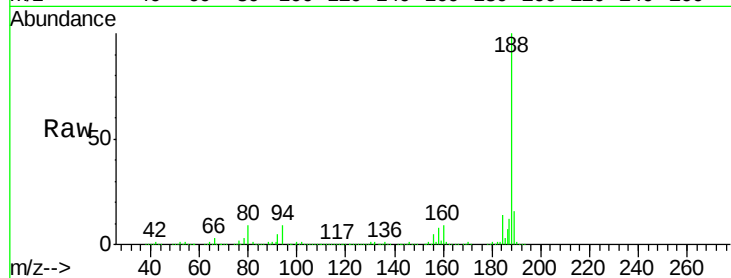




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.02 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

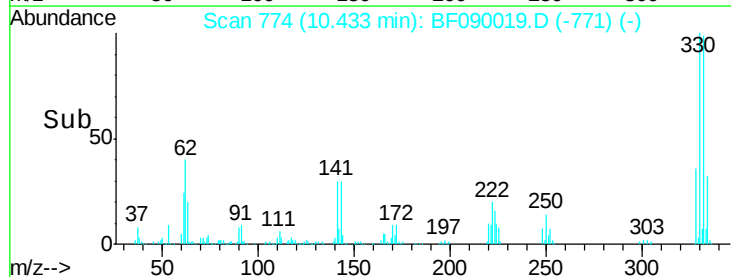
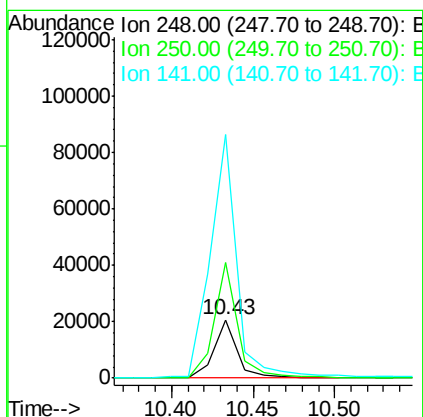
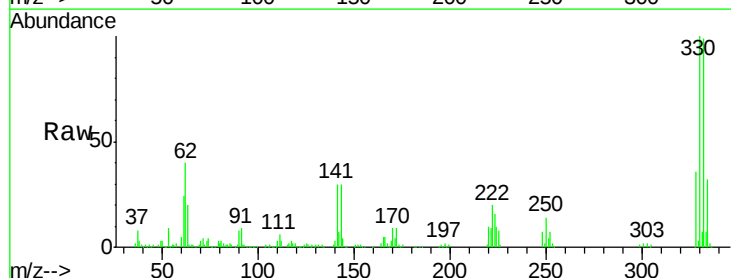
Instrument :
BNA_F
ClientSampleId :
SP-003

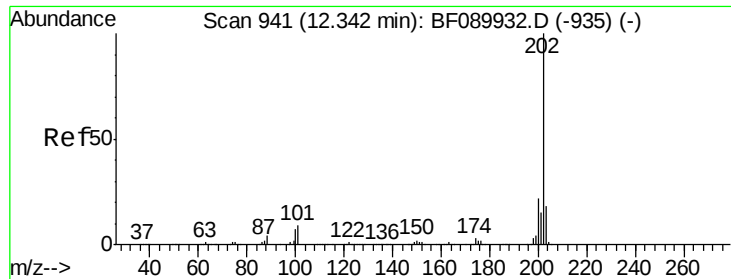
Tgt Ion:188 Resp: 562879
Ion Ratio Lower Upper
188 100
94 9.3 5.9 8.9#
80 9.1 5.8 8.8#



#66
4-Bromophenyl-phenylether
Concen: 3.62 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.26 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Tgt Ion:248 Resp: 20488
Ion Ratio Lower Upper
248 100
250 198.0 77.3 115.9#
141 417.9 55.8 83.8#





#74

Fluoranthene

Concen: 2.68 ng

RT: 12.32 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampleId :

SP-003

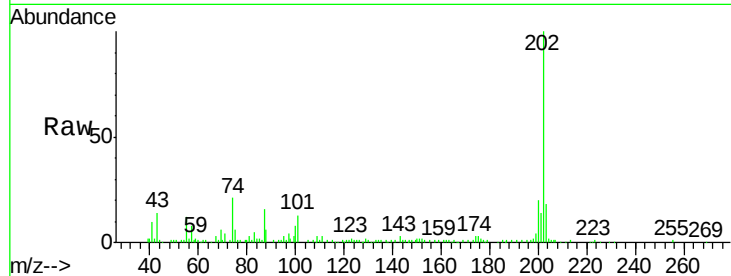
Tgt Ion:202 Resp: 78646

Ion Ratio Lower Upper

202 100

101 12.7 0.0 28.5

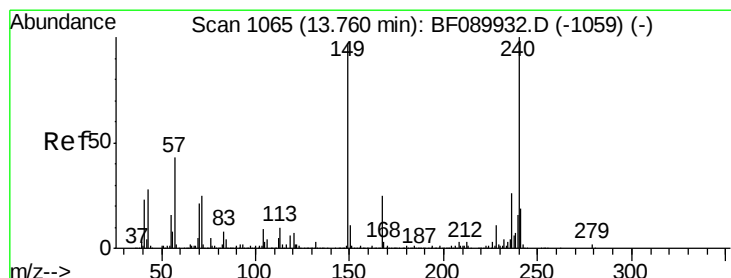
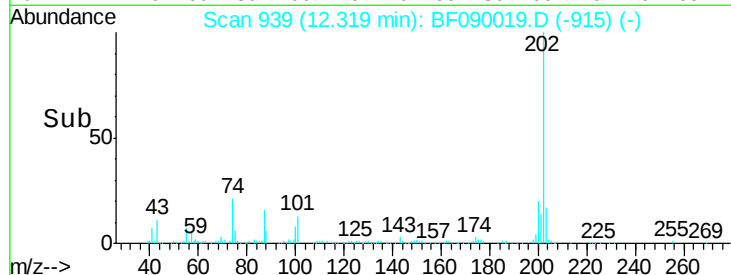
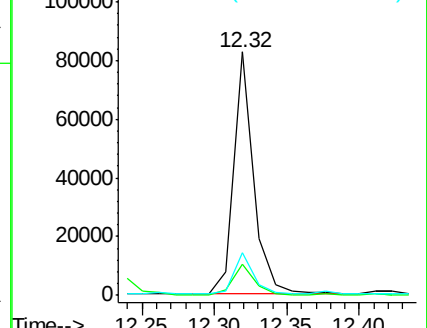
203 17.7 0.0 38.0



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: BF090019.D

Acq: 7 Sep 2016 21:59

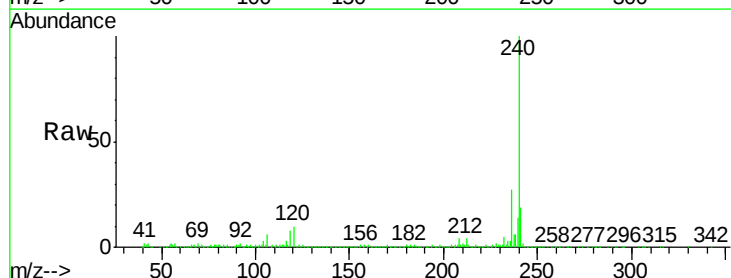
Tgt Ion:240 Resp: 435118

Ion Ratio Lower Upper

240 100

120 9.8 5.7 8.5#

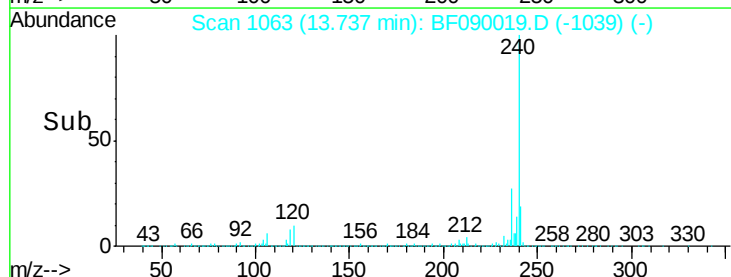
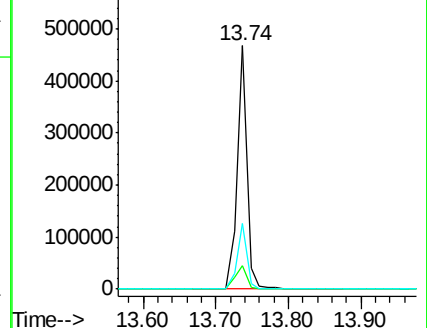
236 27.0 21.3 31.9

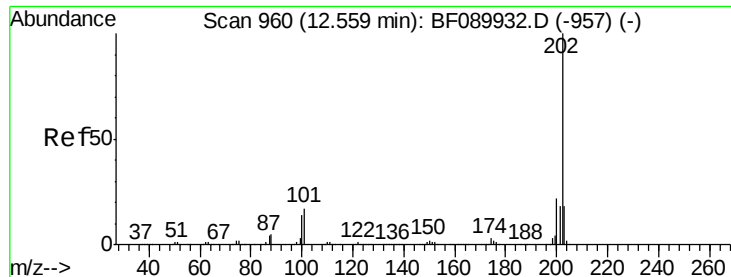


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.72 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampleId :

SP-003

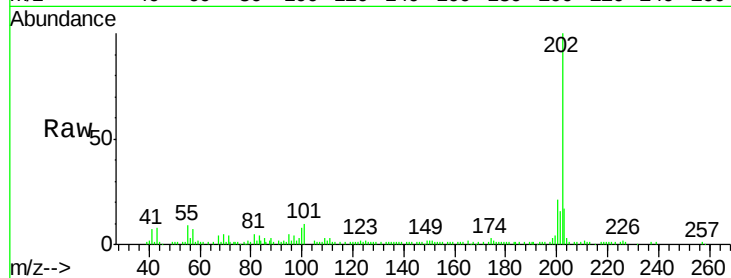
Tgt Ion:202 Resp: 83432

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

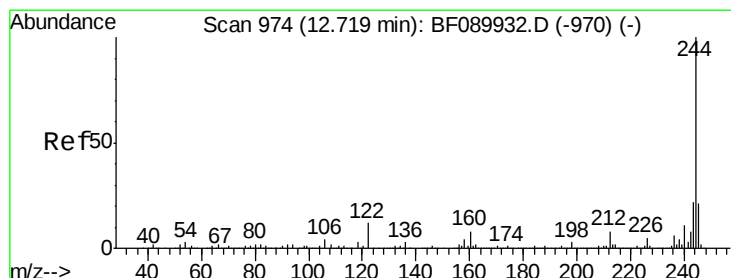
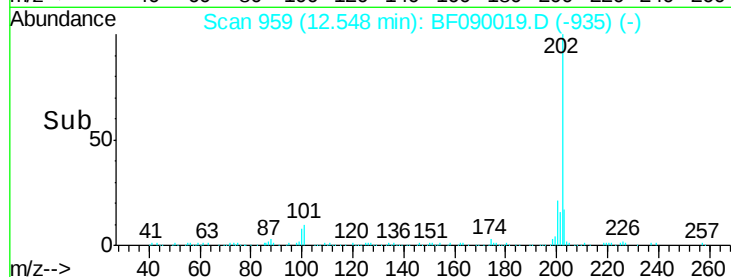
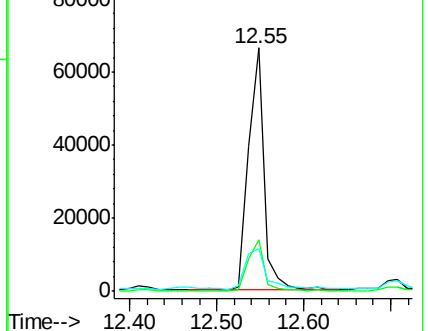
203 17.3 14.6 21.8



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: 61.55 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

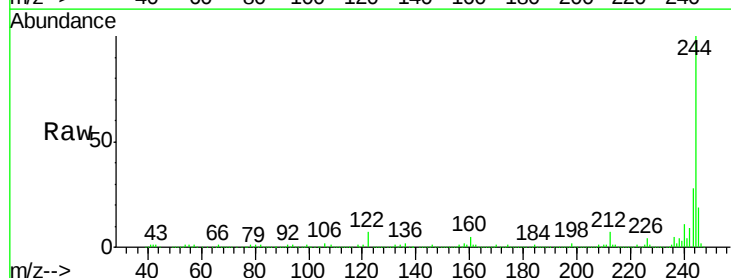
Tgt Ion:244 Resp: 1084229

Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

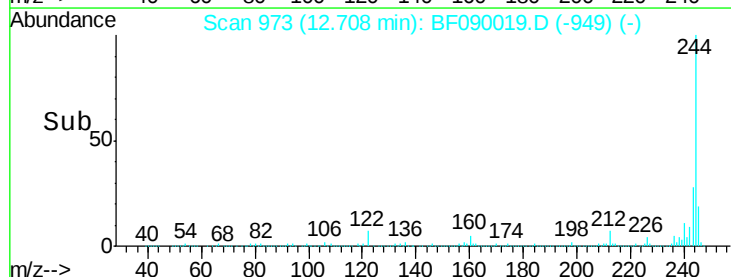
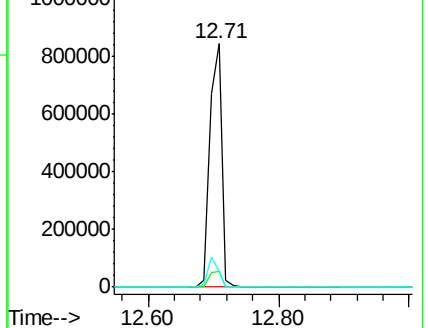
122 6.6 9.6 14.4#

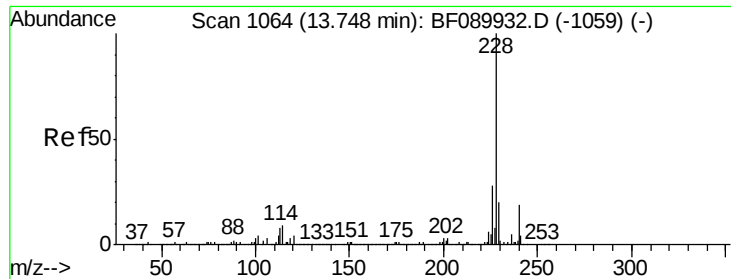


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampleId :

SP-003

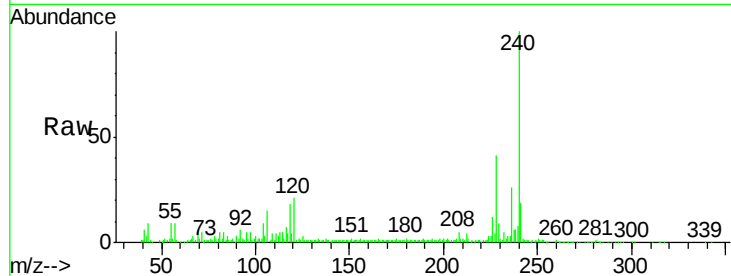
Tgt Ion:228 Resp: 54422

Ion Ratio Lower Upper

228 100

226 30.1 22.2 33.2

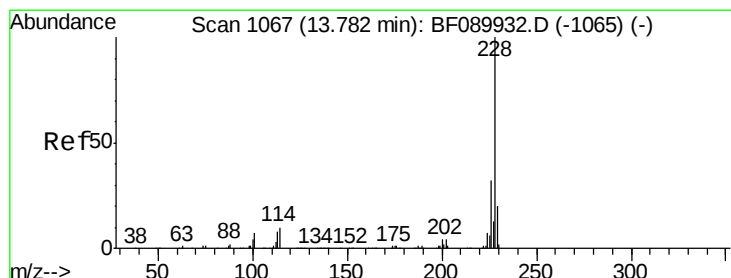
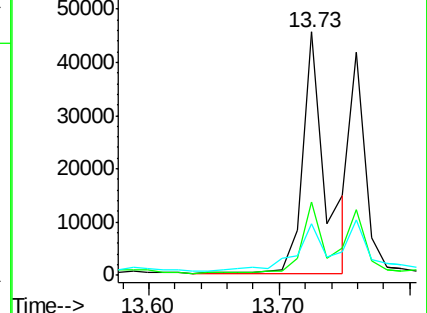
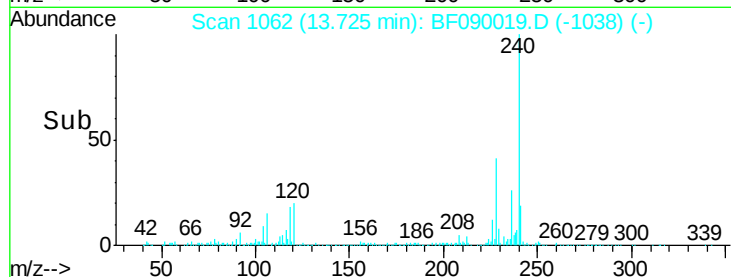
229 21.5 15.8 23.6



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



#82

Chrysene

Concen: 2.19 ng

RT: 13.73 min Scan# 1062

Delta R.T. -0.06 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

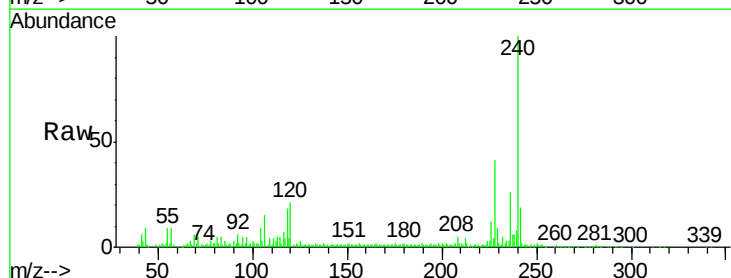
Tgt Ion:228 Resp: 54422

Ion Ratio Lower Upper

228 100

226 30.1 25.2 37.8

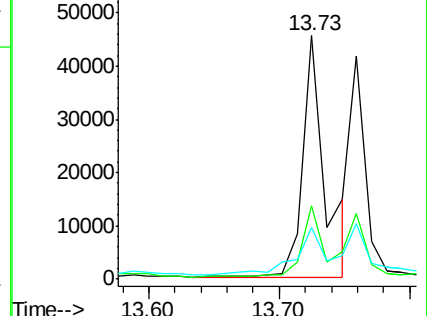
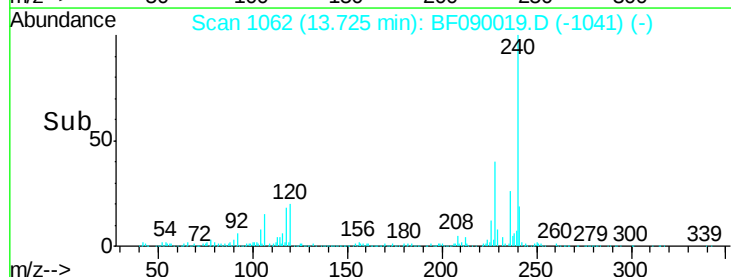
229 21.5 16.2 24.2

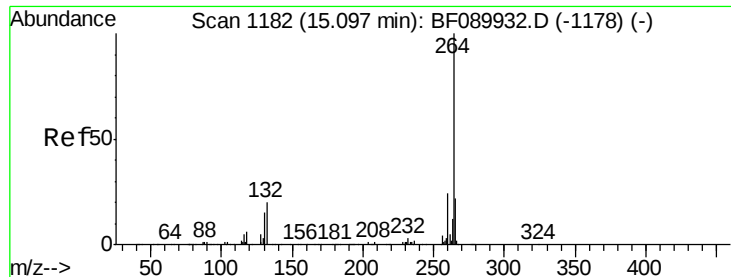


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



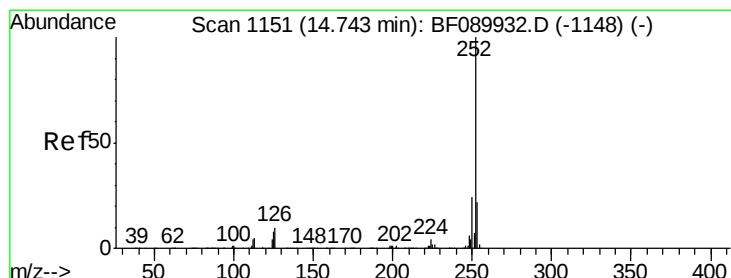
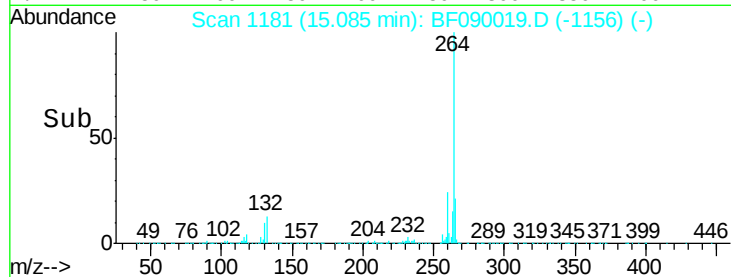
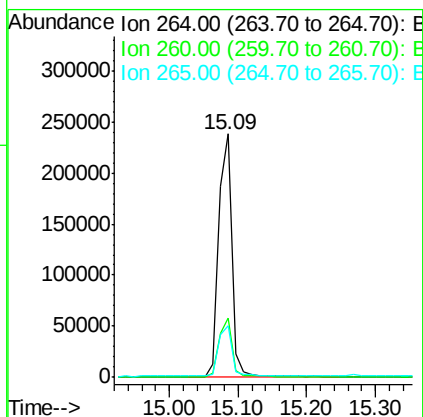
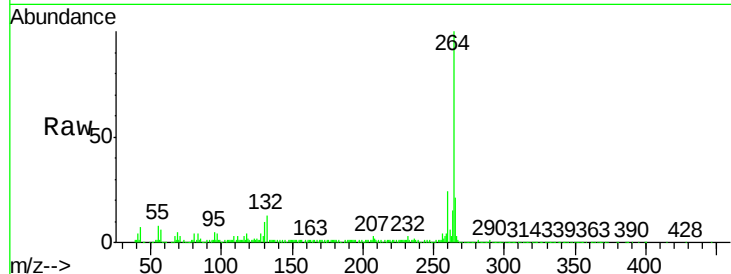


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Instrument :
BNA_F
ClientSampleId :
SP-003

Tgt Ion: 264 Resp: 325581

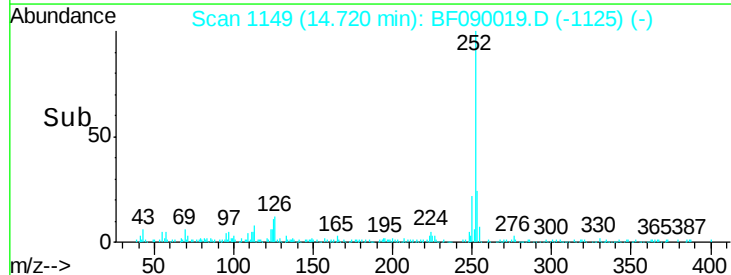
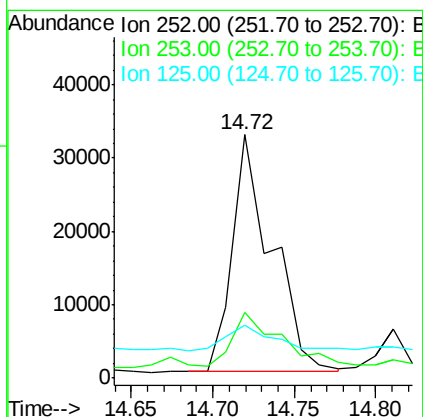
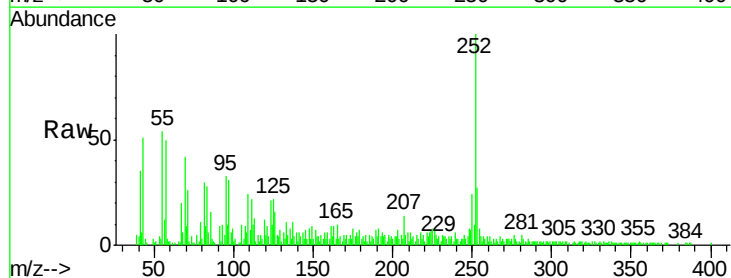
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.3	17.4	26.2

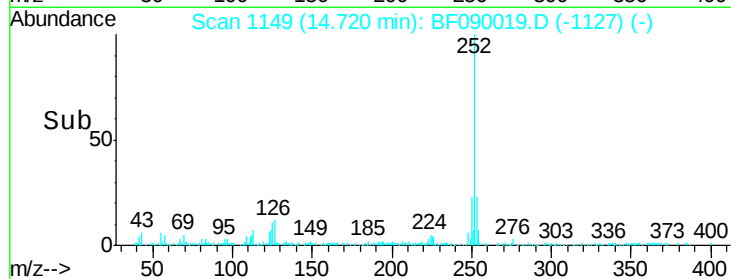
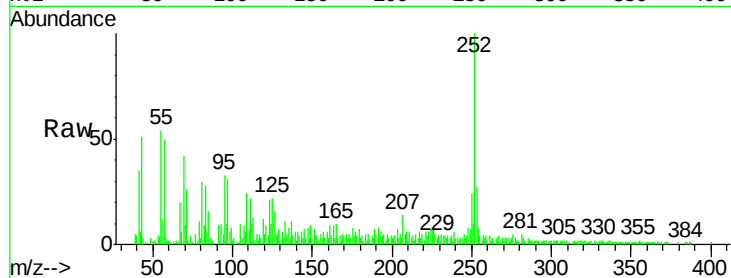
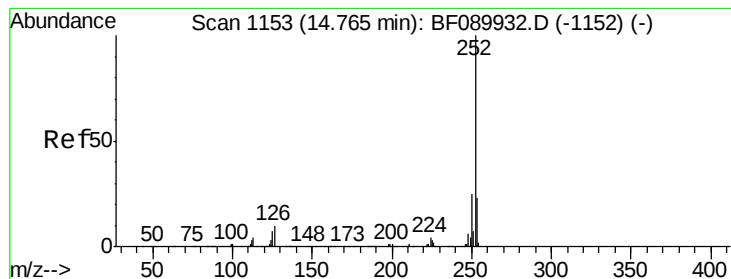


#87
Benzo(b)fluoranthene
Concen: 2.65 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF090019.D
Acq: 7 Sep 2016 21:59

Tgt Ion: 252 Resp: 54006

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0#
125	22.0	5.7	8.5#





#88

Benzo(k)fluoranthene

Concen: 3.12 ng

RT: 14.72 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF090019.D

Acq: 7 Sep 2016 21:59

Instrument :

BNA_F

ClientSampleId :

SP-003

Tgt Ion: 252 Resp: 54006

Ion Ratio Lower Upper

252 100

253 27.0 17.8 26.8#

125 22.0 7.3 10.9#

