

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094699.D
 Acq On : 28 Apr 2017 22:20
 Operator : SJ/MA
 Sample : I2895-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 23:08:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	109189	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	422625	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	179346	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	277114	20.00	ng	0.00
75) Chrysene-d12	14.47	240	221612	20.00	ng	0.00
86) Perylene-d12	16.11	264	162273	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	856782	130.18	ng	0.03
7) Phenol-d6	5.40	99	1061527	136.82	ng	0.00
23) Nitrobenzene-d5	6.42	82	608666	88.93	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	166411	118.63	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	857982	70.39	ng	0.00
78) Terphenyl-d14	13.19	244	591997	71.40	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.42	70	81058	15.77	ng	Qvalue # 77
49) Dimethylphthalate	9.08	163	112117	8.39	ng	99
56) 2,4-Dinitrotoluene	9.40	165	22530	6.12	ng	# 33
74) Fluoranthene	12.71	202	50436	3.12	ng	97
77) Pyrene	12.99	202	47753	3.08	ng	96
82) Chrysene	14.50	228	28418	2.41	ng	# 87
87) Benzo(b)fluoranthene	15.70	252	47140	4.75	ng	# 79
88) Benzo(k)fluoranthene	15.70	252	47489	5.06	ng	# 82

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

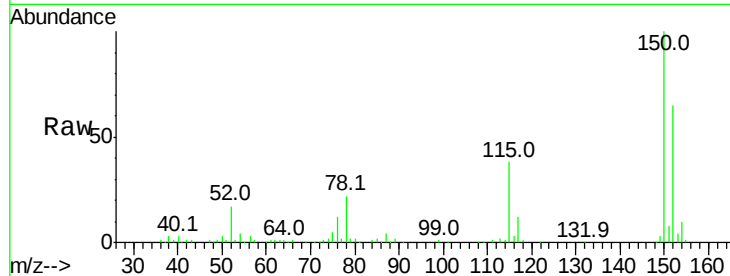


#1

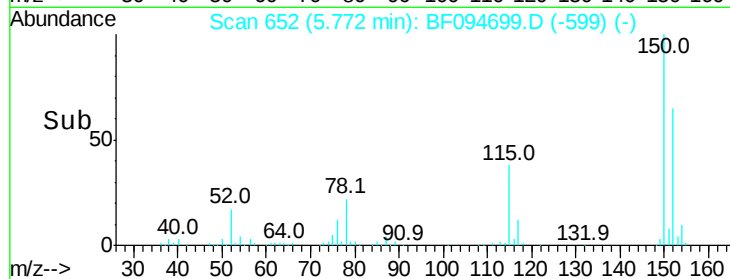
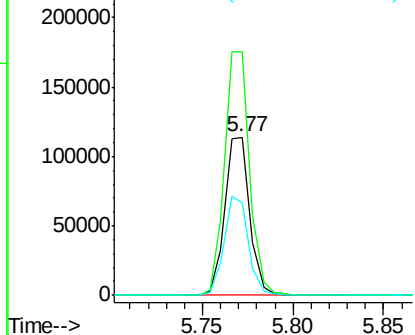
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094699.D
Acq: 28 Apr 2017 22:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 109189
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.2
115 58.9 52.2 78.2



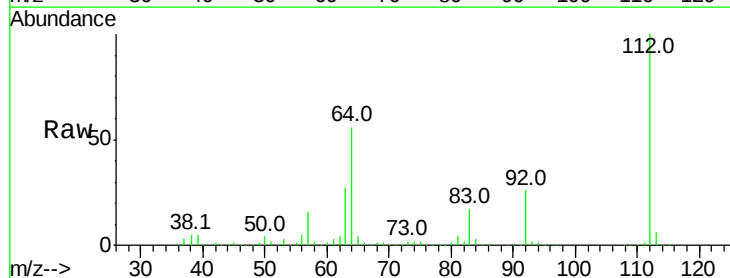
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



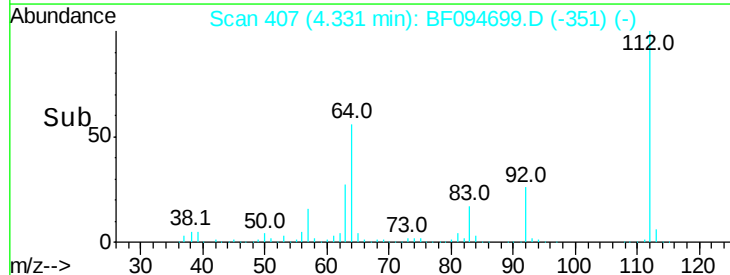
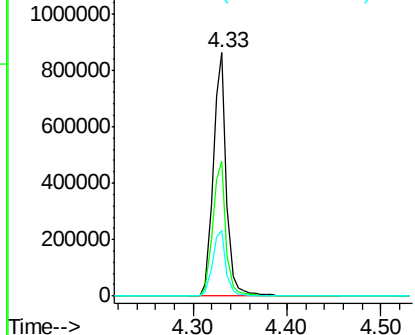
#5

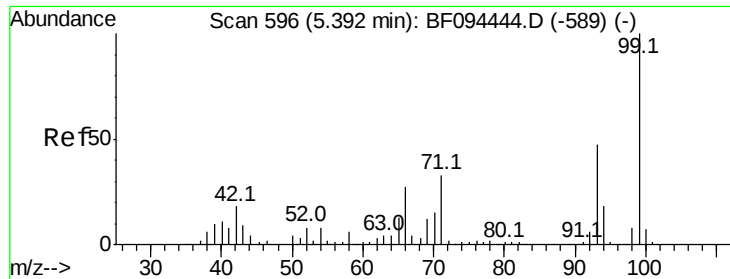
2-Fluorophenol
Concen: 130.18 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094699.D
Acq: 28 Apr 2017 22:20

Tgt Ion:112 Resp: 856782
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 26.8 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: 136.82 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

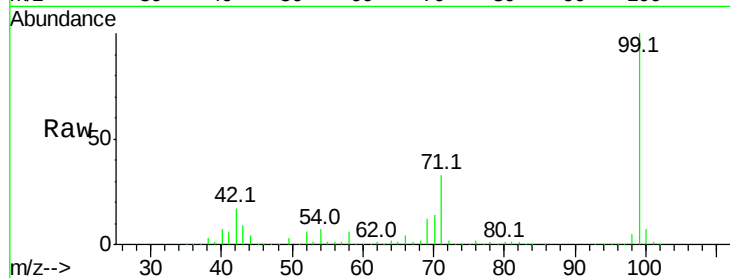
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1061527

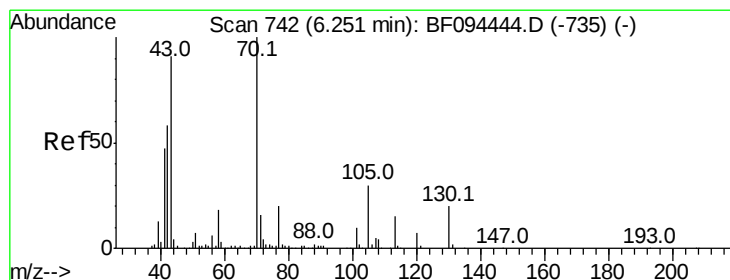
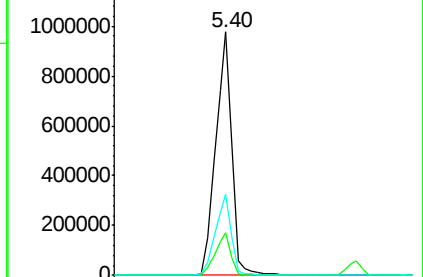
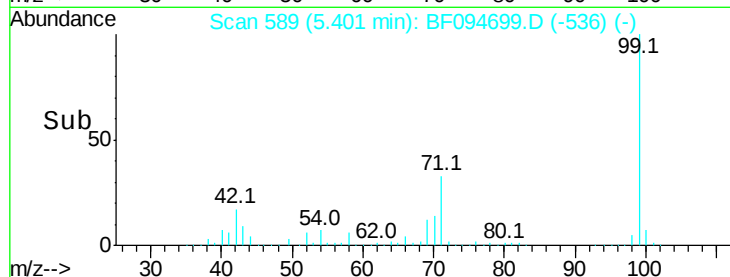
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.5	20.3
71	33.4	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.77 ng

RT: 6.42 min Scan# 762

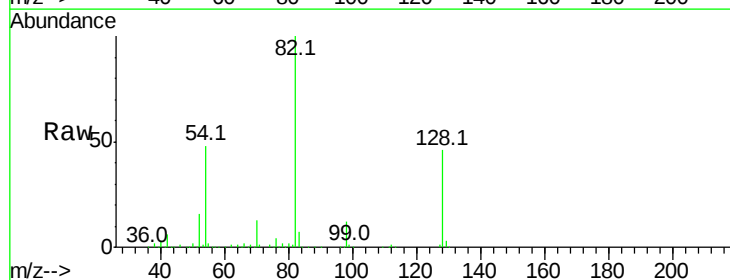
Delta R.T. 0.17 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Tgt Ion: 70 Resp: 81058

Ion	Ratio	Lower	Upper
70	100		
42	46.3	47.2	70.8#
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#

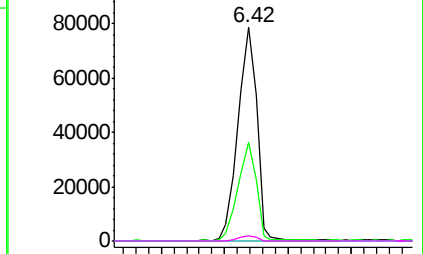
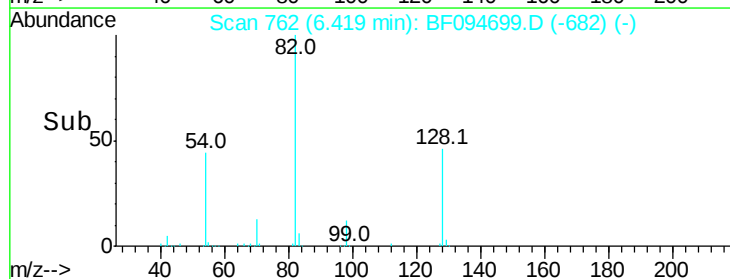


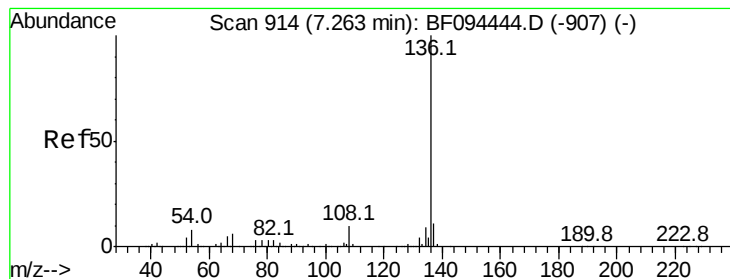
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 422625

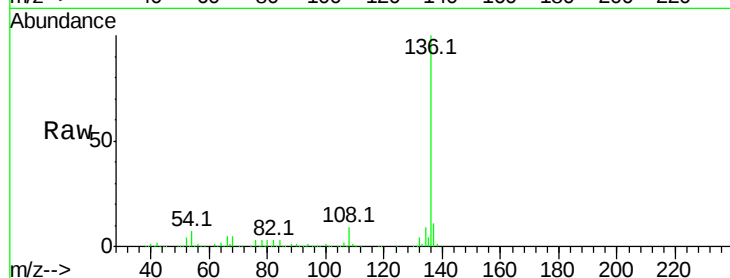
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 5.4 4.1 6.1

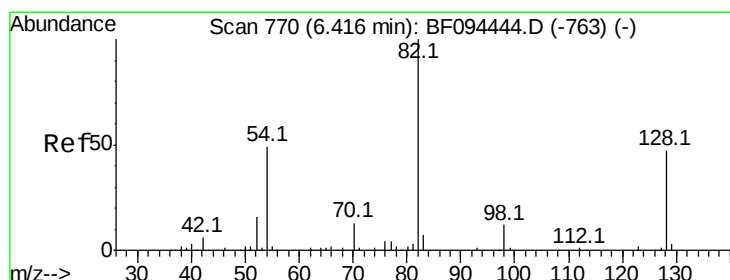
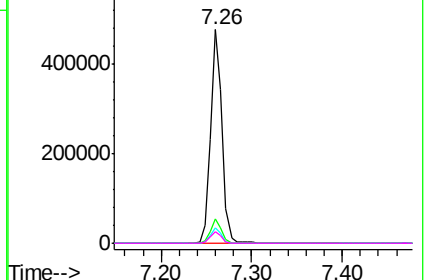
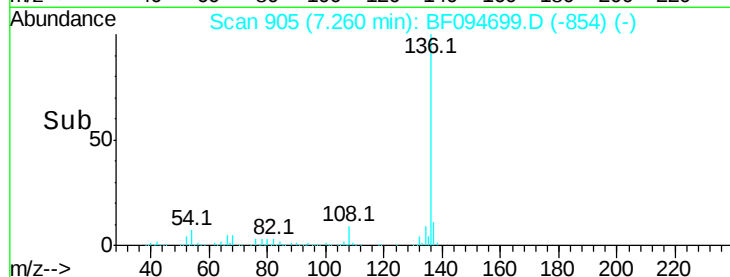


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 88.93 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

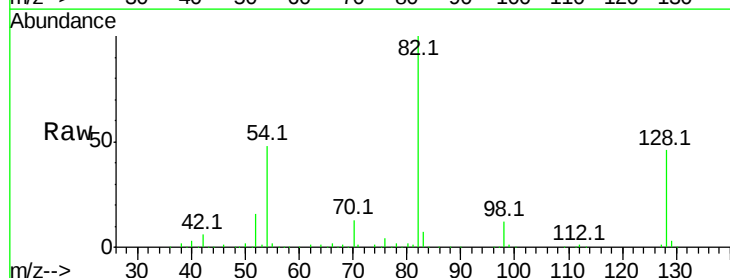
Tgt Ion: 82 Resp: 608666

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

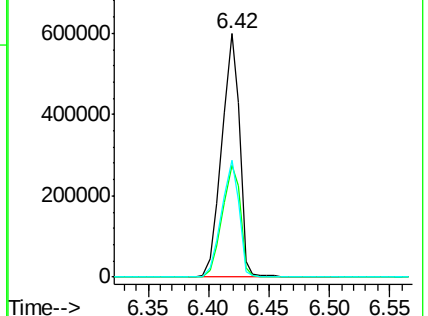
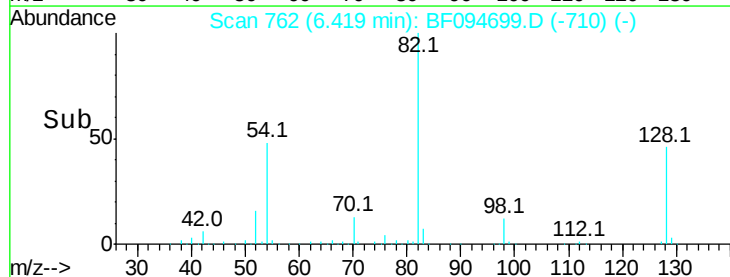
54 47.8 42.2 63.2

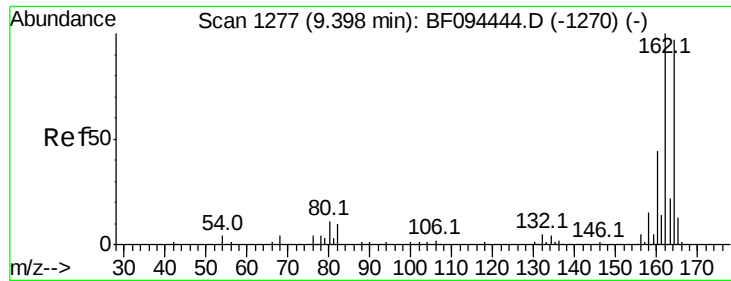


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

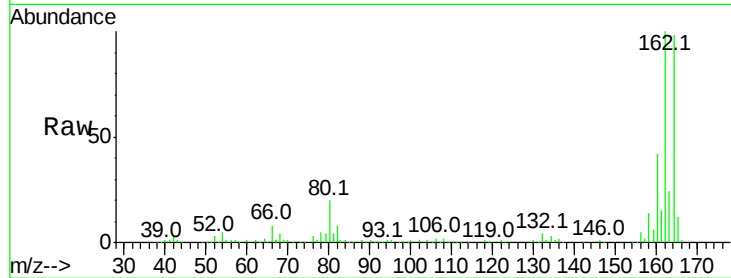
Tot Ion:164 Resp: 179346

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

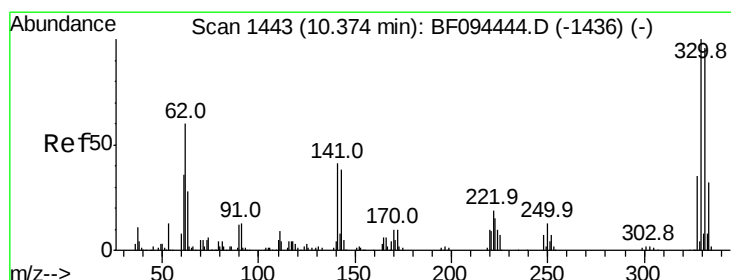
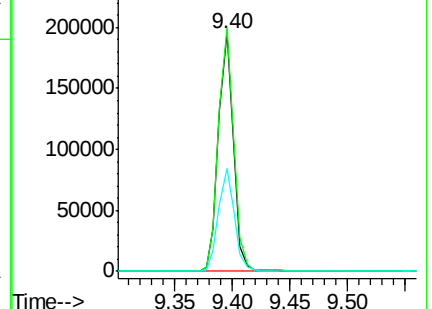
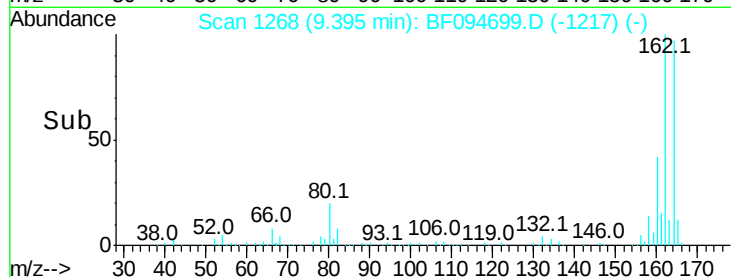
160 43.3 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 118.63 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

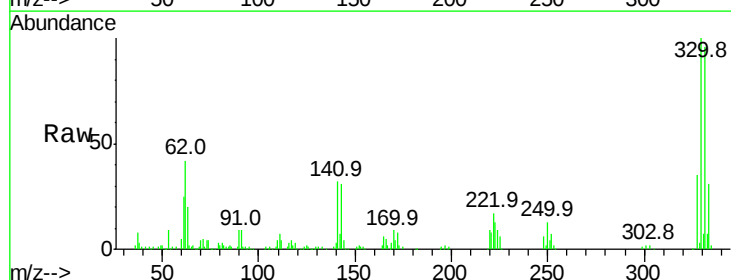
Tgt Ion:330 Resp: 166411

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

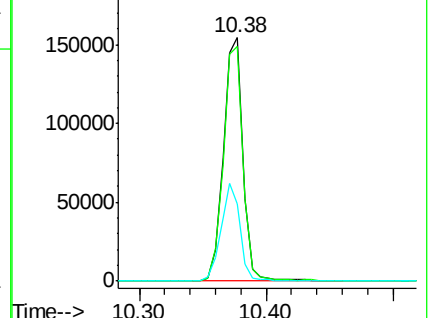
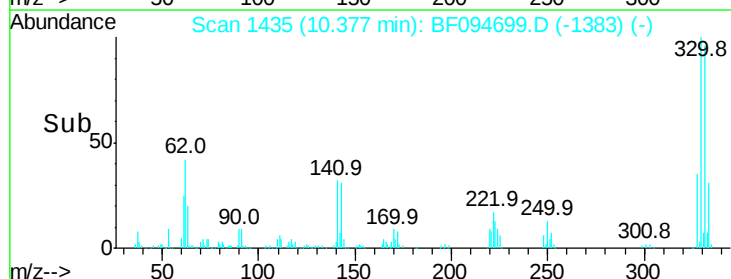
141 39.9 31.4 47.2

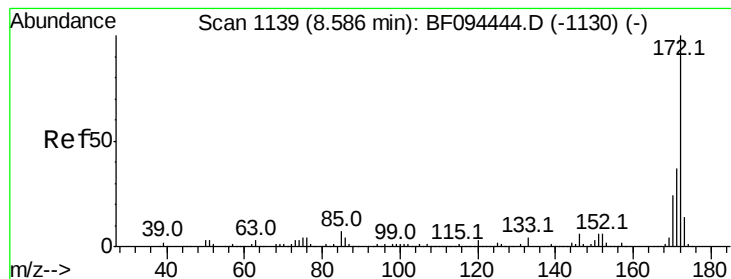


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 70.39 ng

RT: 8.58 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

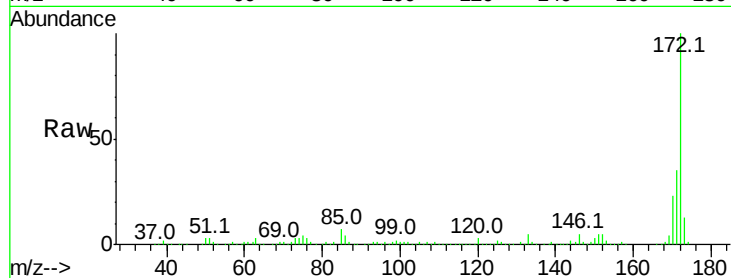
Tot Ion:172 Resp: 857982

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

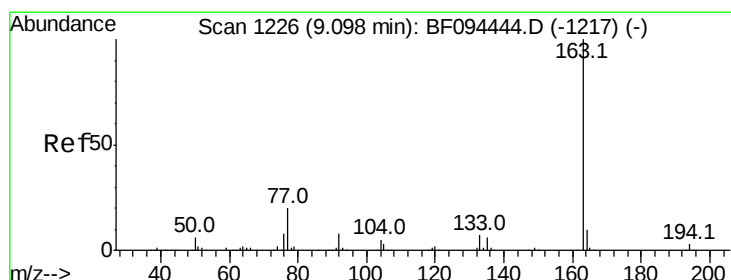
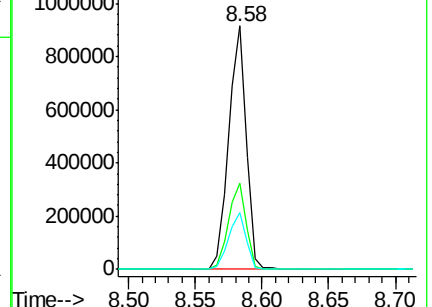
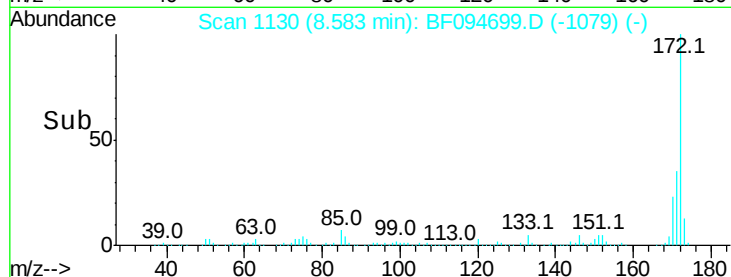
170 23.4 19.8 29.8



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: 8.39 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

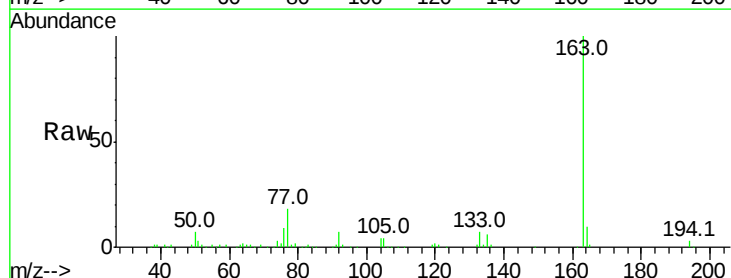
Tgt Ion:163 Resp: 112117

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

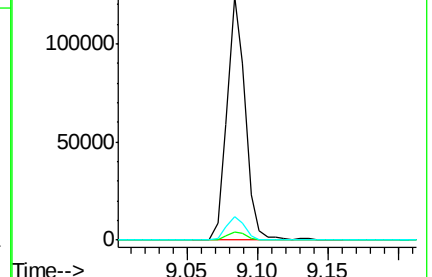
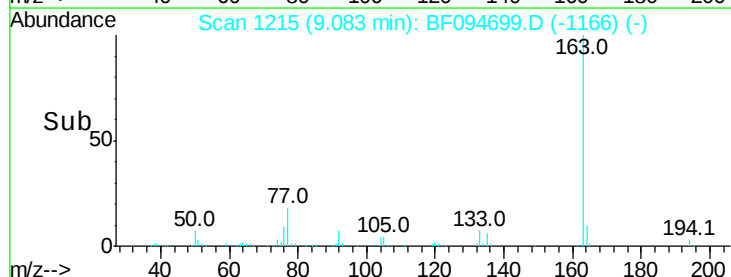
164 9.9 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 22530

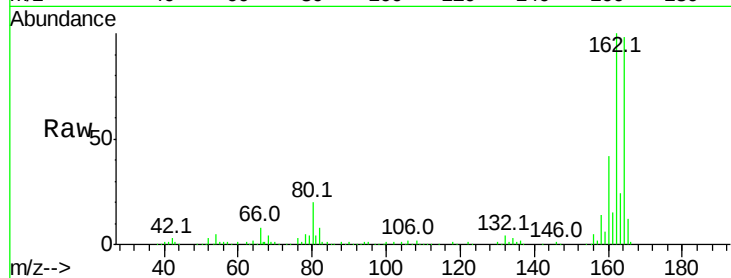
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

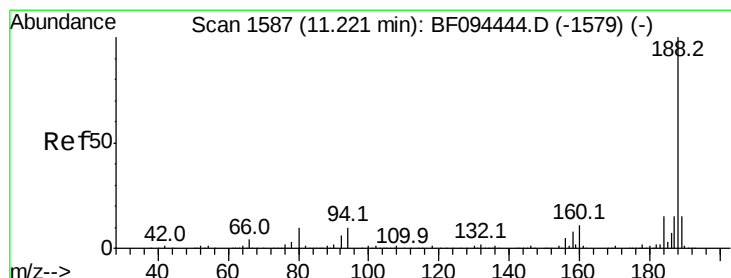
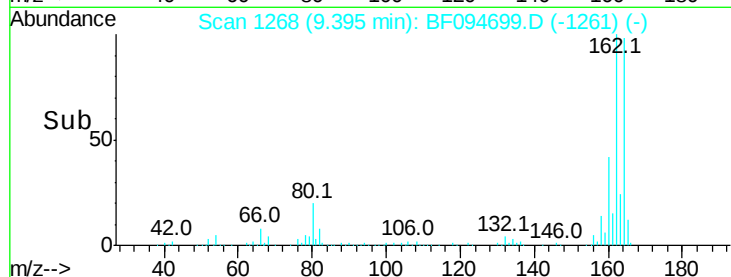
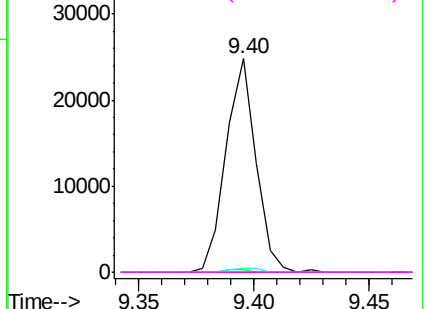


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

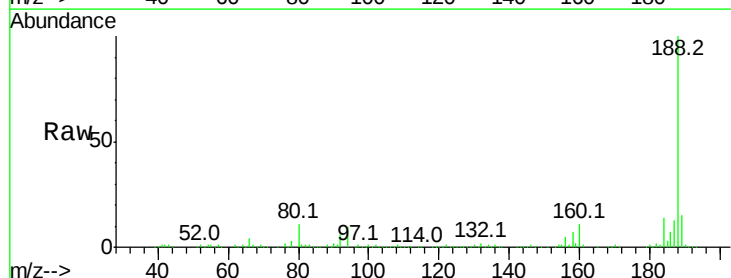
Tgt Ion:188 Resp: 277114

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

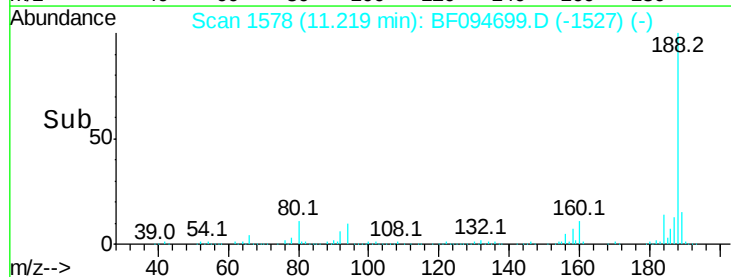
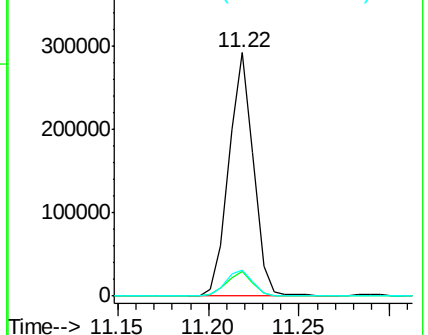
80 10.8 10.2 15.2

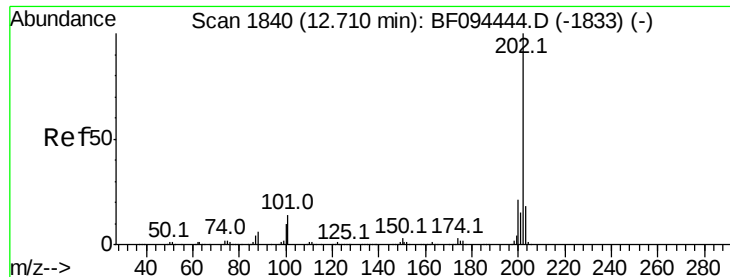


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 3.12 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094699.D

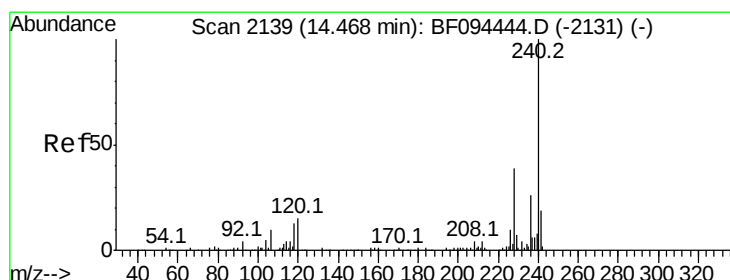
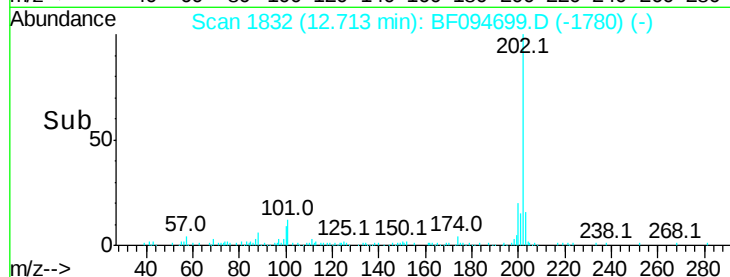
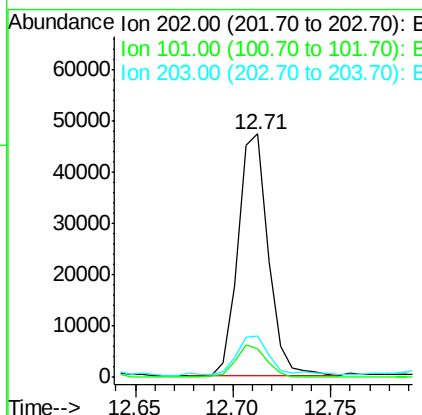
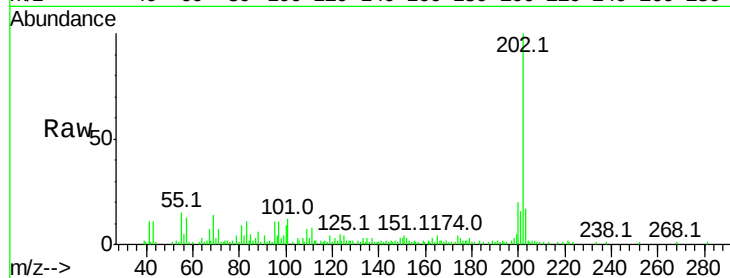
Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	50436
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.2
203	17.0	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

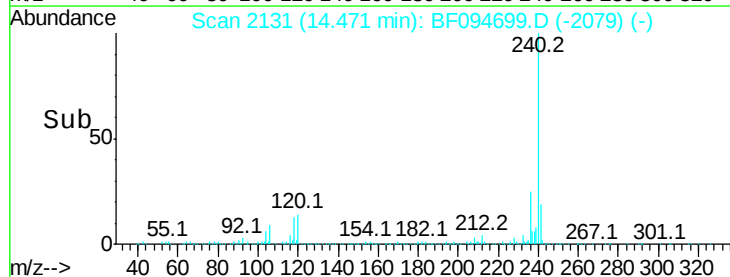
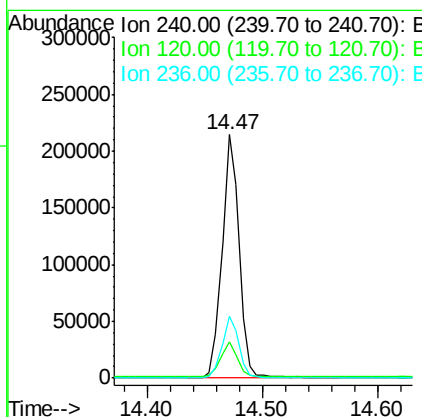
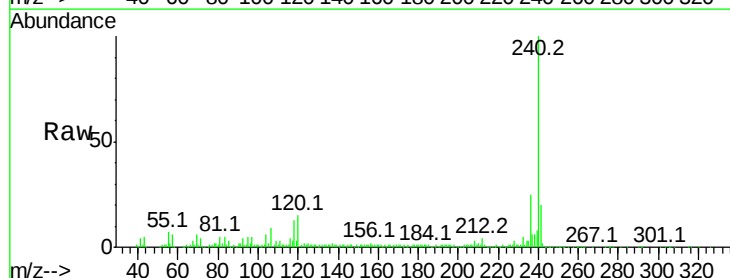
RT: 14.47 min Scan# 2131

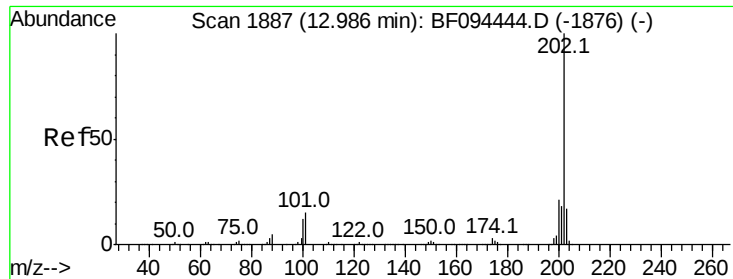
Delta R.T. 0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Tgt Ion:	240	Resp:	221612
Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.3	20.5	30.7





#77

Pvrene

Concen: 3.08 ng

RT: 12.99 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

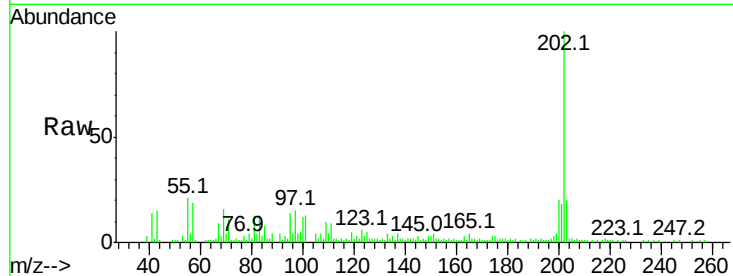
Tot Ion:202 Resp: 47753

Ion Ratio Lower Upper

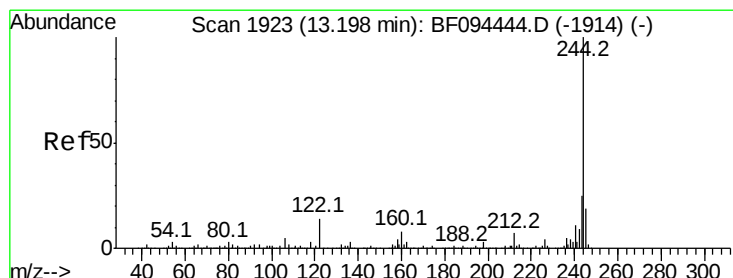
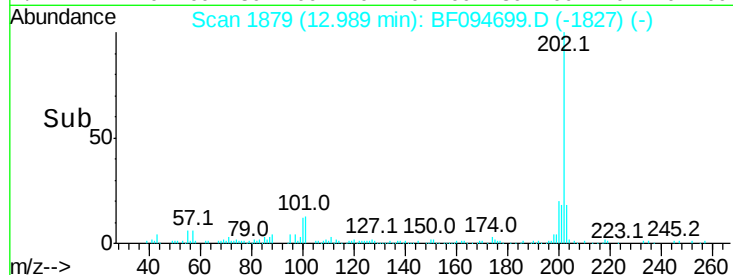
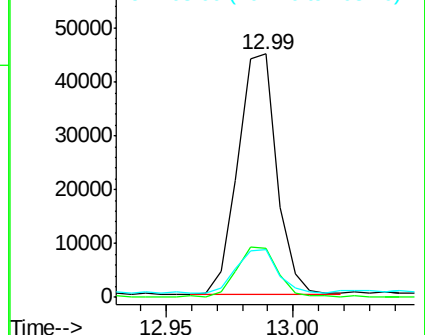
202 100

200 20.1 17.6 26.4

203 19.5 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: 71.40 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

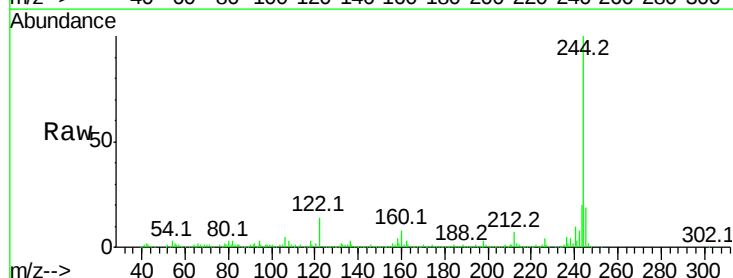
Tgt Ion:244 Resp: 591997

Ion Ratio Lower Upper

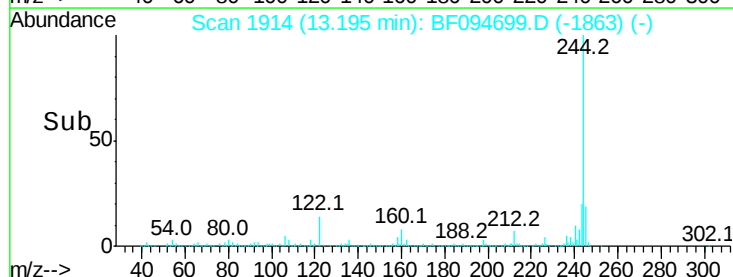
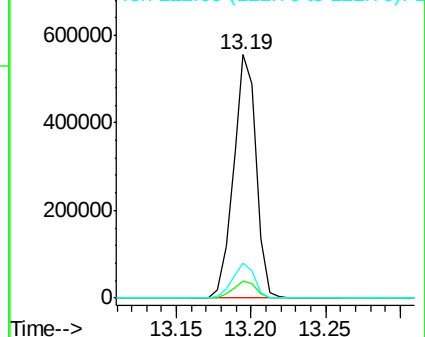
244 100

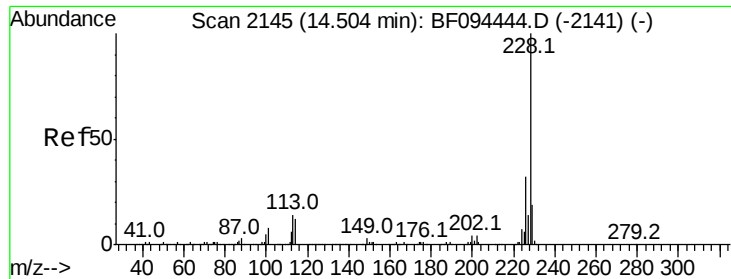
212 7.1 6.0 9.0

122 14.5 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

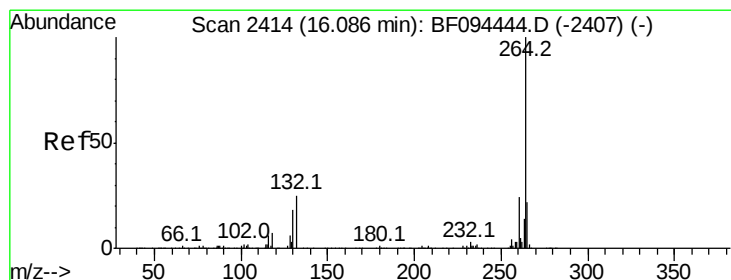
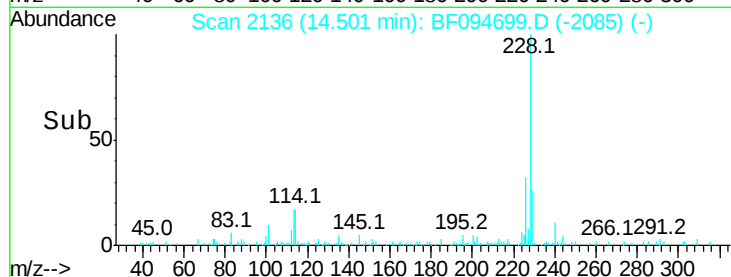
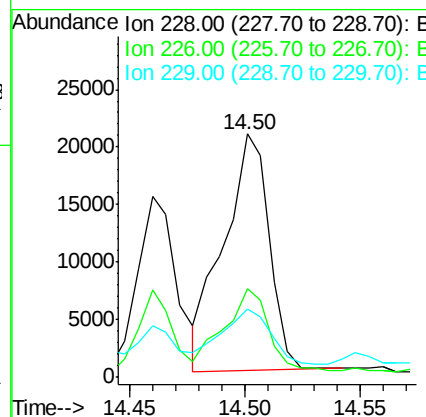
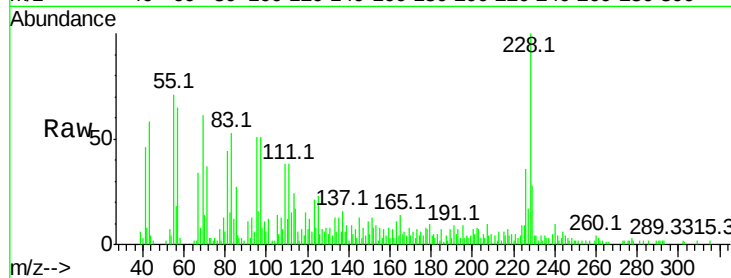




#82
Chrysene
Concen: 2.41 ng
RT: 14.50 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF094699.D
Acq: 28 Apr 2017 22:20

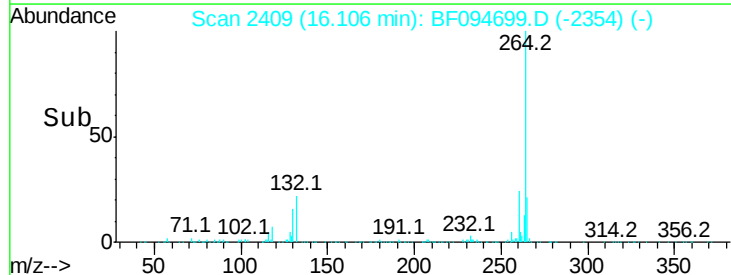
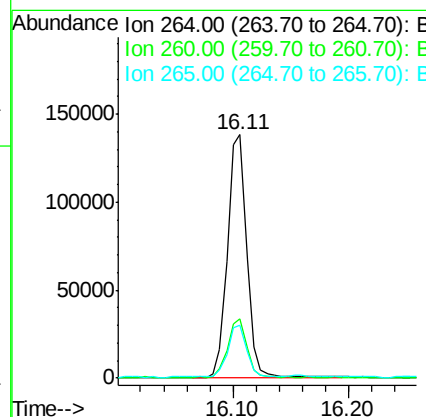
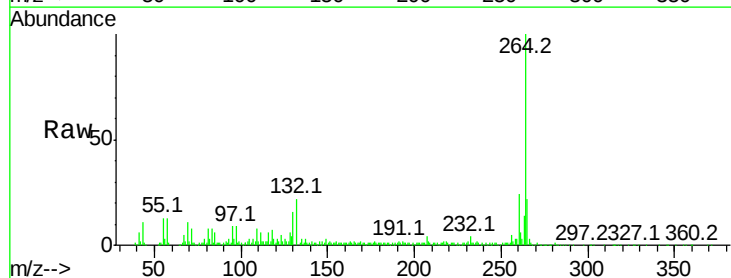
Instrument :
BNA_F
ClientSampleId :

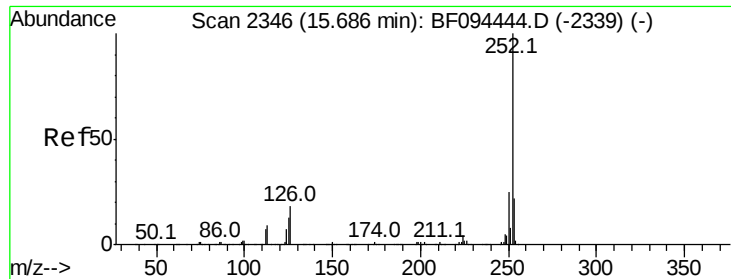
Tot Ion:228 Resp: 28418
Ion Ratio Lower Upper
228 100
226 36.5 24.9 37.3
229 27.8 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.11 min Scan# 2409
Delta R.T. 0.02 min
Lab File: BF094699.D
Acq: 28 Apr 2017 22:20

Tgt Ion:264 Resp: 162273
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.75 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

Instrument :

BNA_F

ClientSampleId :

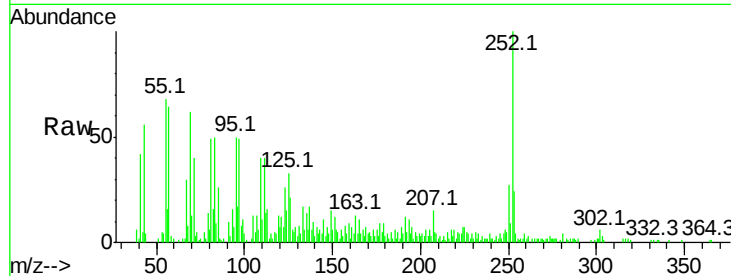
Tot Ion:252 Resp: 47140

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

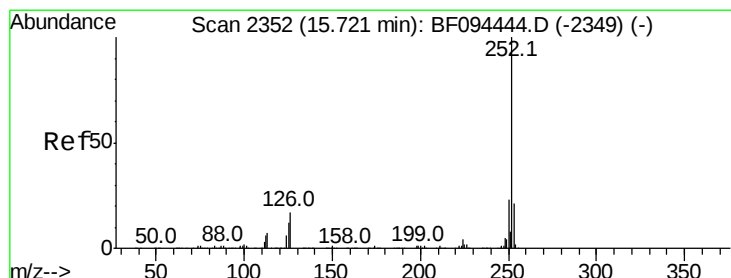
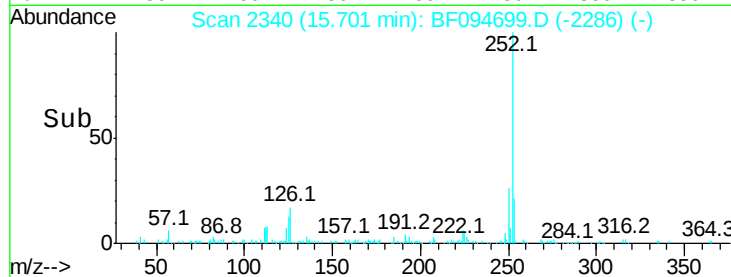
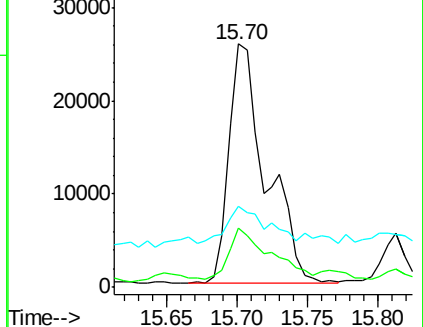
125 33.1 9.8 14.8#



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: 5.06 ng

RT: 15.70 min Scan# 2340

Delta R.T. -0.02 min

Lab File: BF094699.D

Acq: 28 Apr 2017 22:20

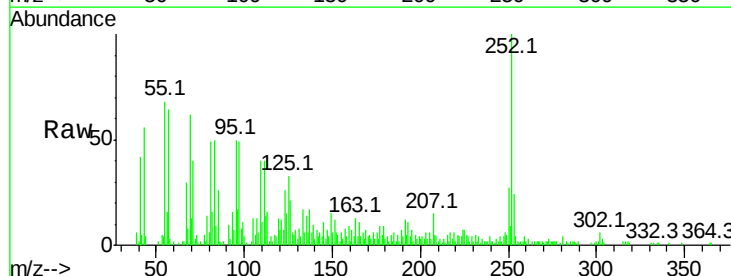
Tgt Ion:252 Resp: 47489

Ion Ratio Lower Upper

252 100

253 24.3 18.4 27.6

125 33.1 13.1 19.7#



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

