

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075558.D
 Acq On : 15 Nov 2014 23:20
 Operator : TP / JJ
 Sample : F4672-09RE
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IMPORTED-FILL-C2RE

Quant Time: Nov 16 06:13:59 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 18:46:55 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	55670	20.00	ng	-0.02
21) Naphthalene-d8	9.13	136	257438	20.00	ng	-0.02
38) Acenaphthene-d10	11.32	164	135628	20.00	ng	-0.02
63) Phenanthrene-d10	13.16	188	228231	20.00	ng	-0.03
75) Chrysene-d12	16.46	240	255688	20.00	ng	-0.08
86) Perylene-d12	18.23	264	251009	20.00	ng	-0.21

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.84	112	70136	22.26	ng	-0.02
7) Phenol-d6	7.10	99	203920	53.81	ng	-0.01
23) Nitrobenzene-d5	8.24	82	129976	37.02	ng	-0.02
41) 2,4,6-Tribromophenol	12.29	330	6808	5.99	ng	-0.03
44) 2-Fluorobiphenyl	10.48	172	282365	37.62	ng	-0.01
78) Terphenyl-d14	15.16	244	532378	56.05	ng	-0.03

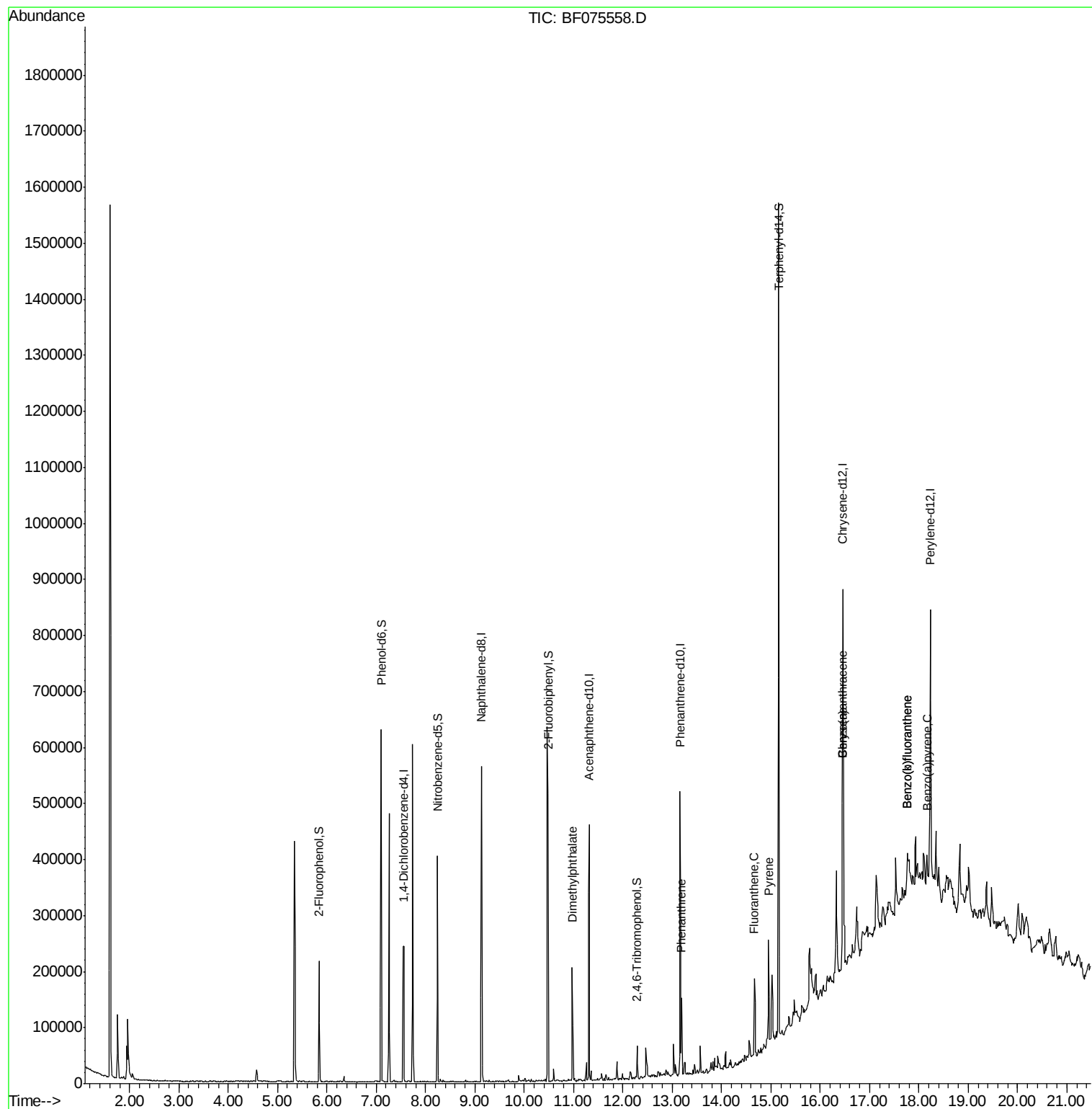
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.97	163	97690	10.54	ng	99
70) Phenanthrene	13.19	178	54988	4.58	ng	98
74) Fluoranthene	14.67	202	73756	5.73	ng	99
77) Pyrene	14.95	202	66706	4.49	ng	97
80) Benzo(a)anthracene	16.45	228	38274	2.85	ng	97
82) Chrysene	16.45	228	35819	3.08	ng	99
87) Benzo(b)fluoranthene	17.76	252	41073	3.06	ng	# 85
88) Benzo(k)fluoranthene	17.76	252	55437	4.60	ng	# 86
89) Benzo(a)pyrene	18.16	252	26946	2.24	ng	# 84

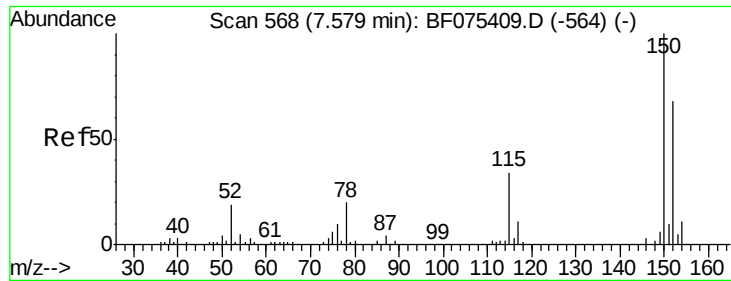
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Instrument :

BNA_F

ClientSampleId :

IMPORTED-FILL-C2RE

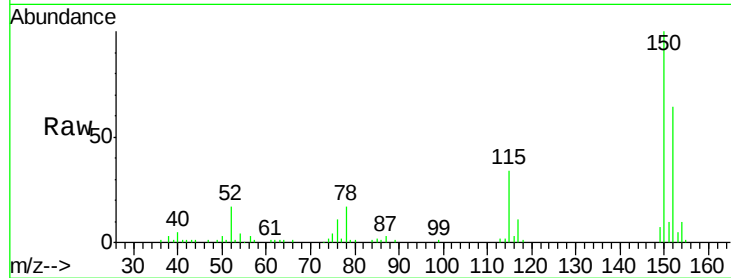
Tgt Ion:152 Resp: 55670

Ion Ratio Lower Upper

152 100

150 155.3 127.2 190.8

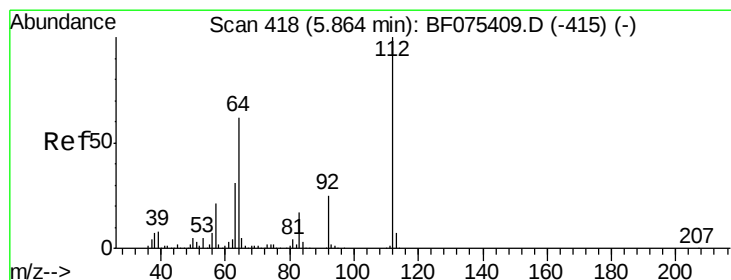
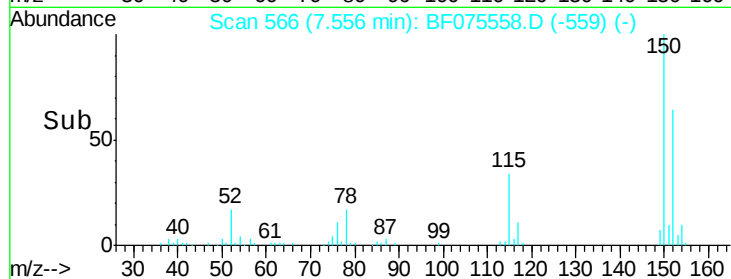
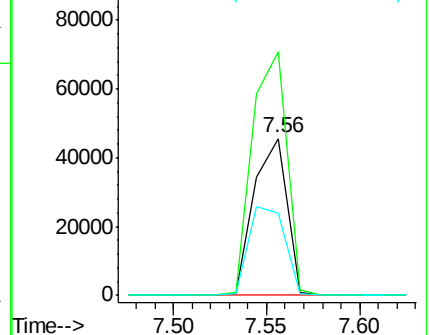
115 52.6 57.1 85.7#



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: 22.26 ng

RT: 5.84 min Scan# 416

Delta R.T. -0.02 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

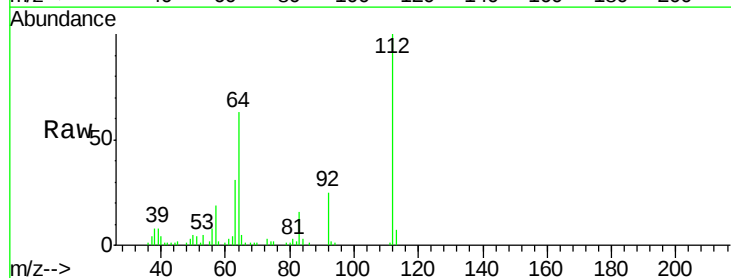
Tgt Ion:112 Resp: 70136

Ion Ratio Lower Upper

112 100

64 63.1 45.8 68.6

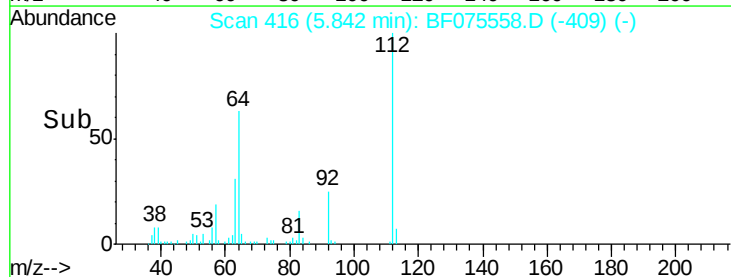
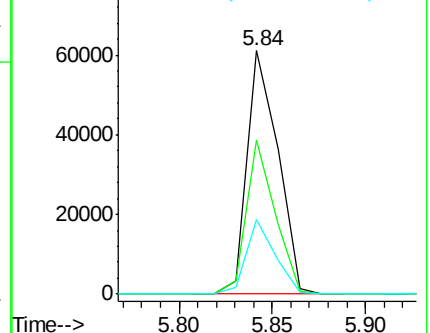
63 30.7 22.7 34.1

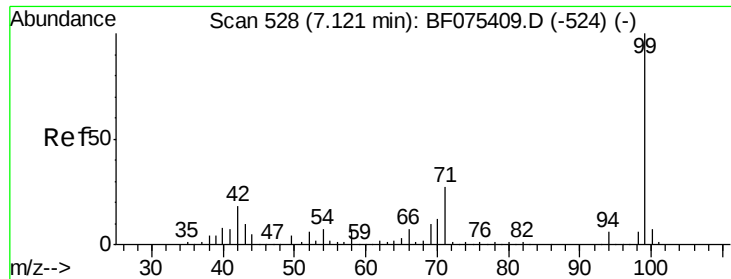


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.81 ng

RT: 7.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Instrument :

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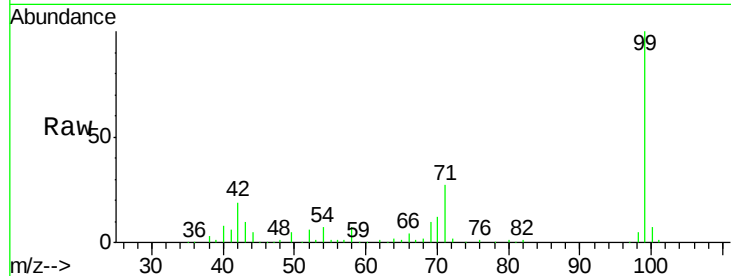
Tgt Ion: 99 Resp: 203920

Ion Ratio Lower Upper

99 100

42 19.4 19.8 29.6#

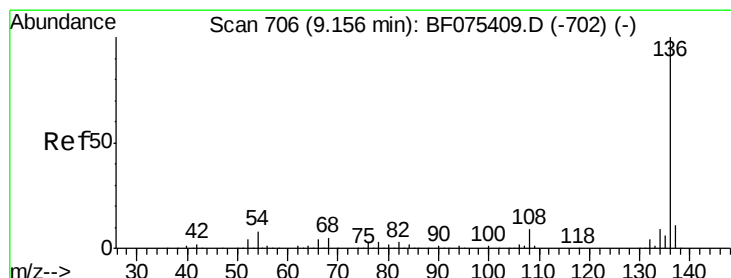
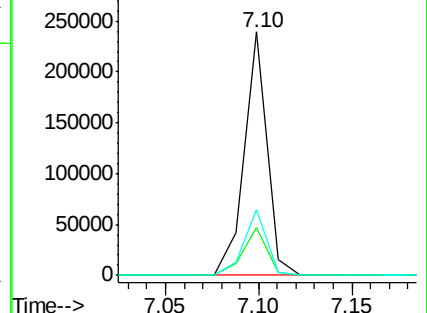
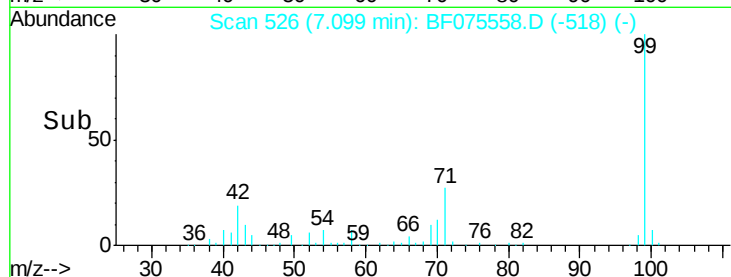
71 26.9 25.5 38.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Tgt Ion: 136 Resp: 257438

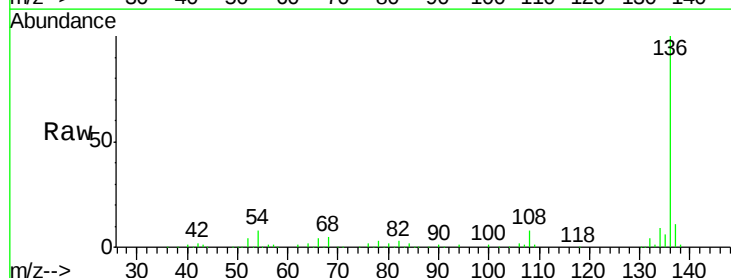
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 7.9 6.2 9.4

68 4.9 3.4 5.2

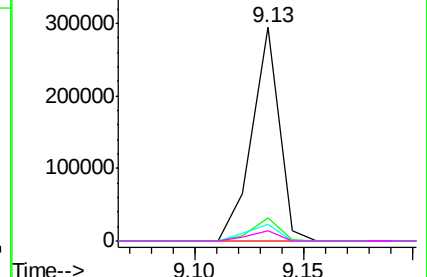
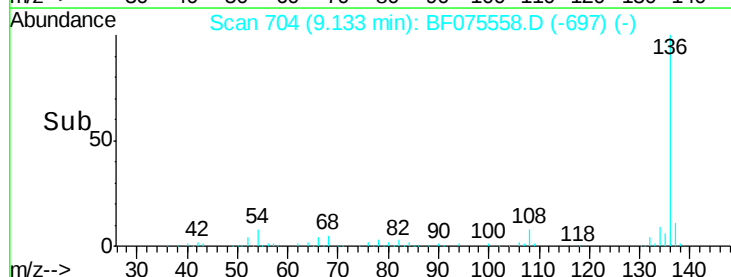


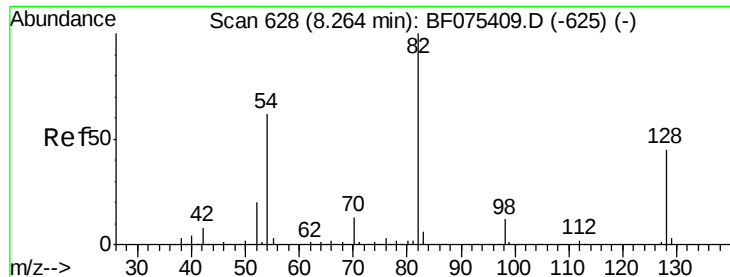
Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.02 ng

RT: 8.24 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Instrument :

BNA_F

ClientSampleId :

IMPORTED-FILL-C2RE

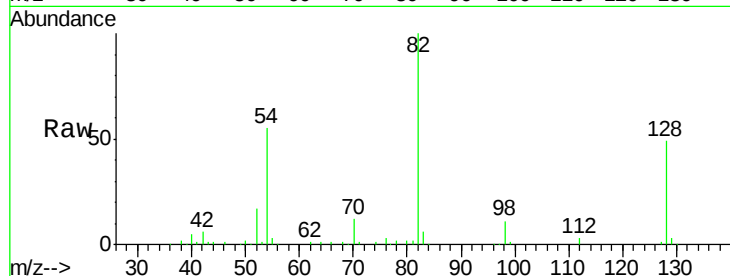
Tgt Ion: 82 Resp: 129976

Ion Ratio Lower Upper

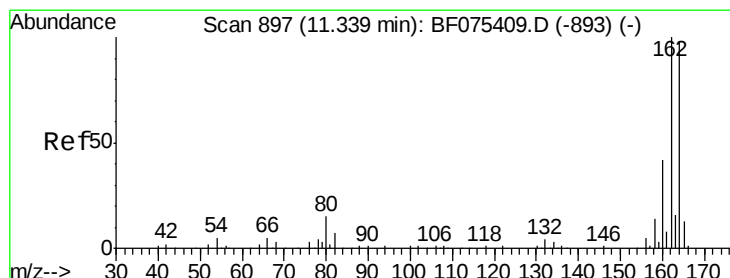
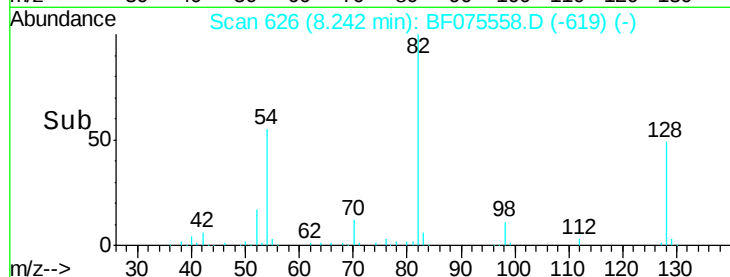
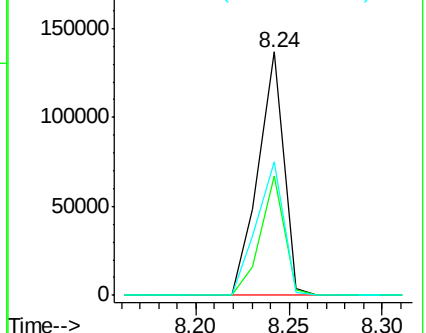
82 100

128 48.9 37.8 56.6

54 54.9 49.8 74.8



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: 11.32 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

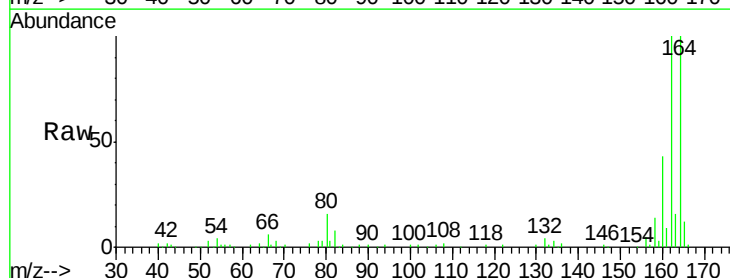
Tgt Ion: 164 Resp: 135628

Ion Ratio Lower Upper

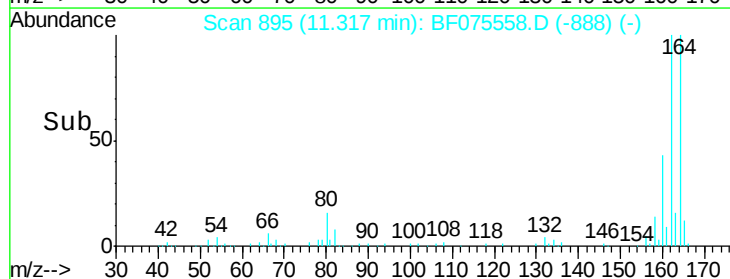
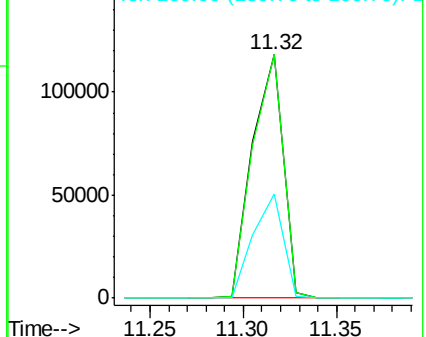
164 100

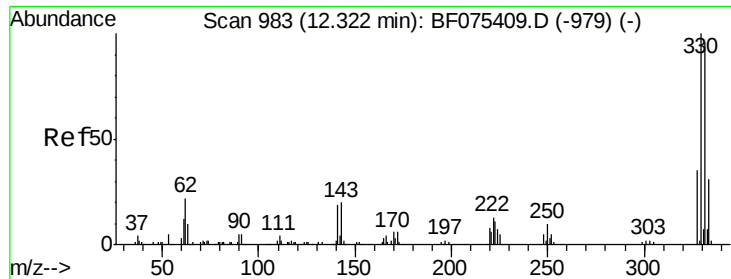
162 100.1 79.1 118.7

160 42.8 34.6 51.8



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

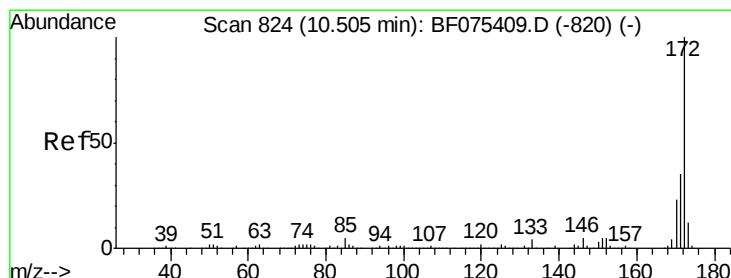
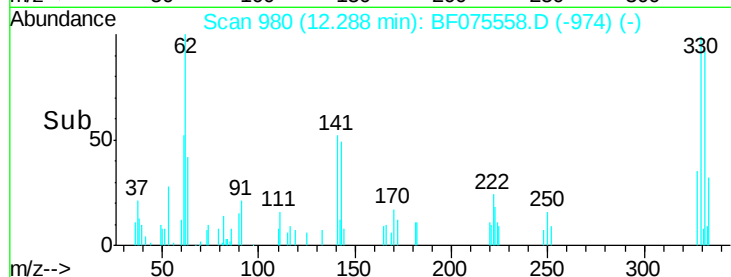
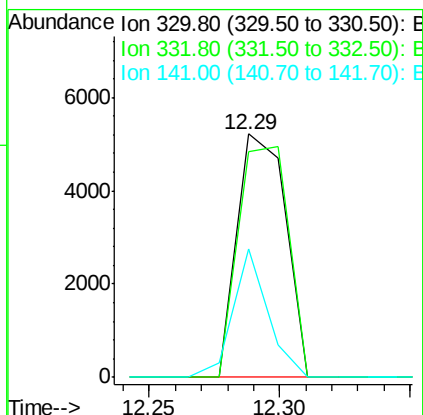
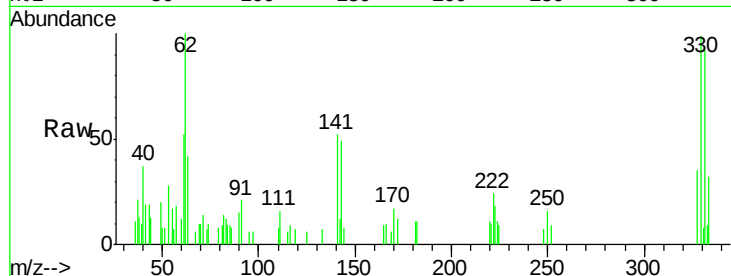




#41
 2,4,6-Tribromophenol
 Concen: 5.99 ng
 RT: 12.29 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BF075558.D
 Acq: 15 Nov 2014 23:20

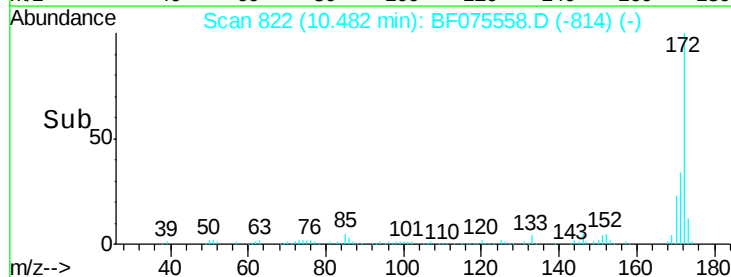
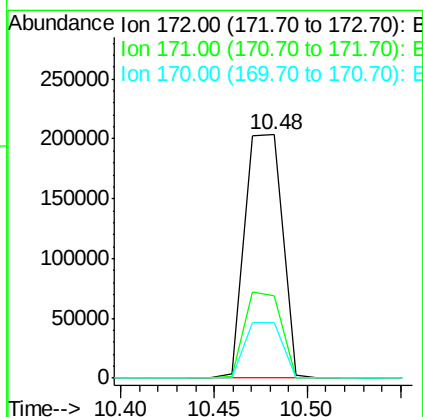
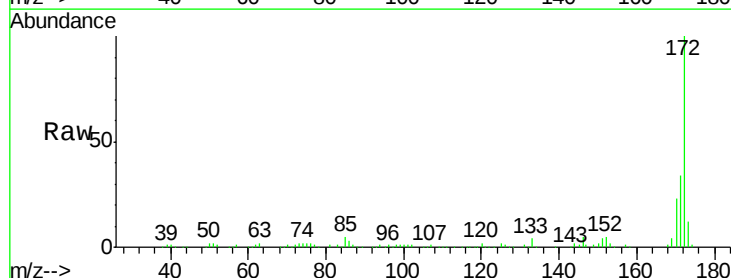
Instrument :
 BNA_F
 ClientSampleId :
 IMPORTED-FILL-C2RE

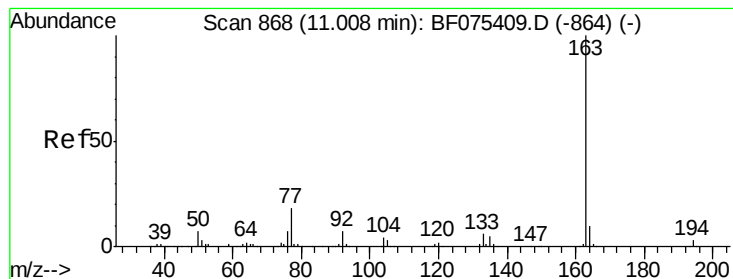
Tgt Ion:330 Resp: 6808
 Ion Ratio Lower Upper
 330 100
 332 98.8 74.5 111.7
 141 37.8 30.7 46.1



#44
 2-Fluorobiphenyl
 Concen: 37.62 ng
 RT: 10.48 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF075558.D
 Acq: 15 Nov 2014 23:20

Tgt Ion:172 Resp: 282365
 Ion Ratio Lower Upper
 172 100
 171 33.6 27.3 40.9
 170 23.0 18.4 27.6





#49

Dimethylphthalate

Concen: 10.54 ng

RT: 10.97 min Scan# 865

Delta R.T. -0.03 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Instrument :

BNA_F

ClientSampleId :

IMPORTED-FILL-C2RE

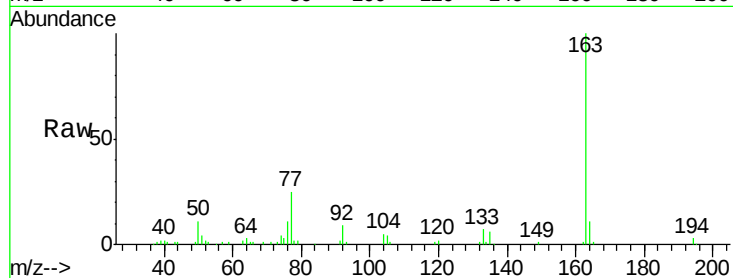
Tgt Ion:163 Resp: 97690

Ion Ratio Lower Upper

163 100

194 2.9 2.7 4.1

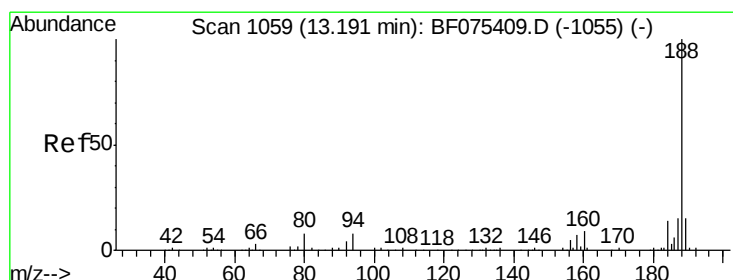
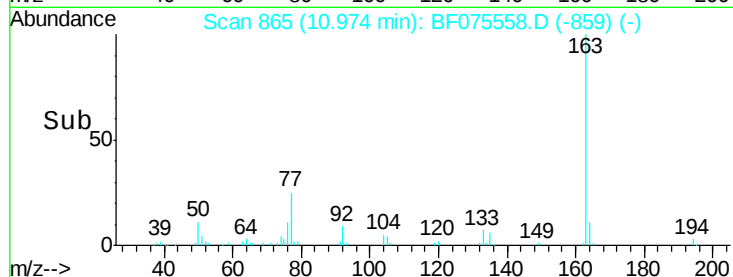
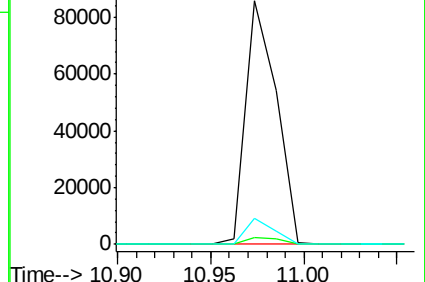
164 10.6 8.0 12.0



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: 20.00 ng

RT: 13.16 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

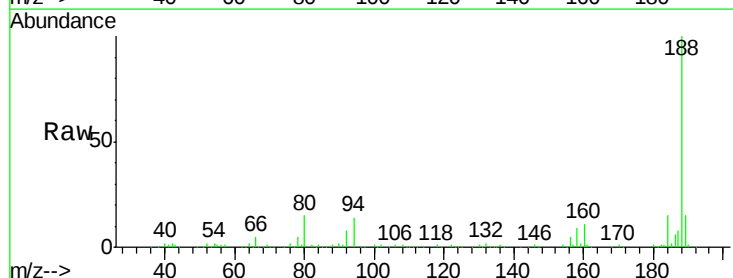
Tgt Ion:188 Resp: 228231

Ion Ratio Lower Upper

188 100

94 14.1 7.8 11.6#

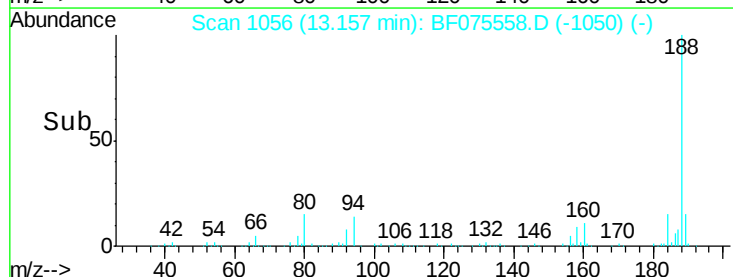
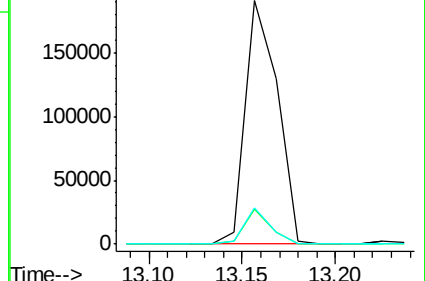
80 14.9 8.0 12.0#

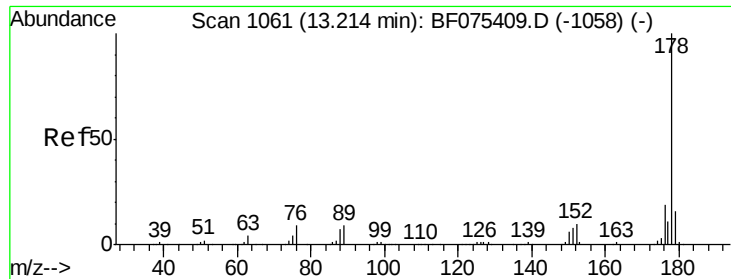


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.58 ng

RT: 13.19 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

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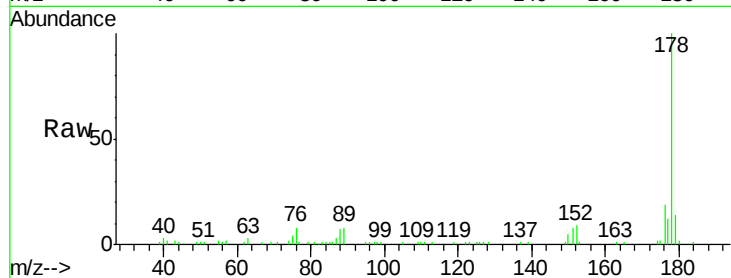
Tgt Ion:178 Resp: 54988

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

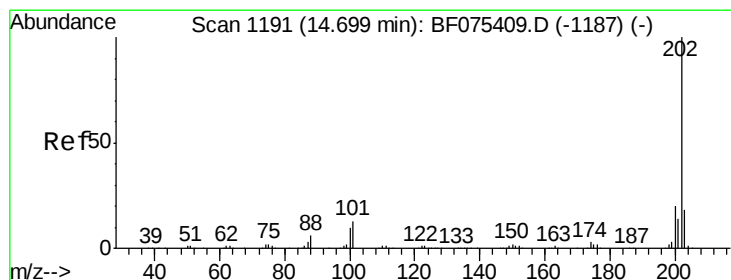
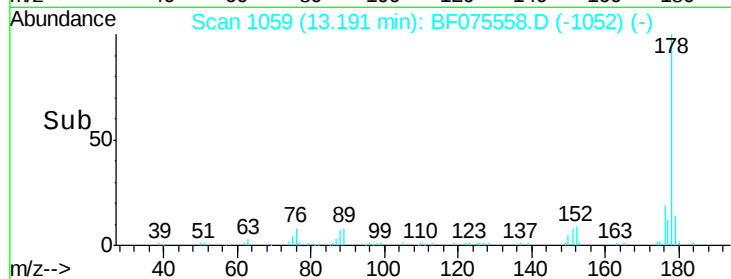
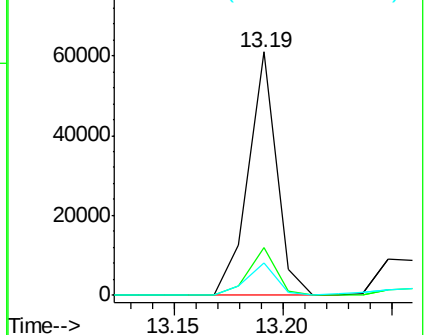
179 13.5 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.73 ng

RT: 14.67 min Scan# 1188

Delta R.T. -0.03 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

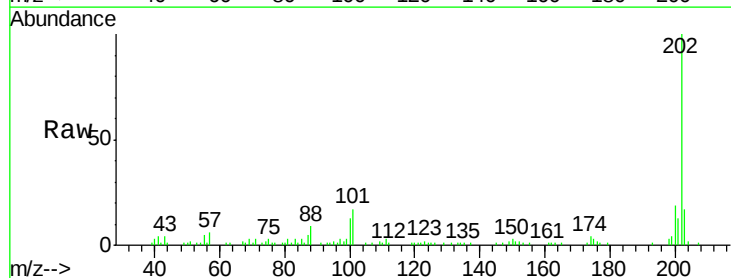
Tgt Ion:202 Resp: 73756

Ion Ratio Lower Upper

202 100

101 16.8 0.0 36.6

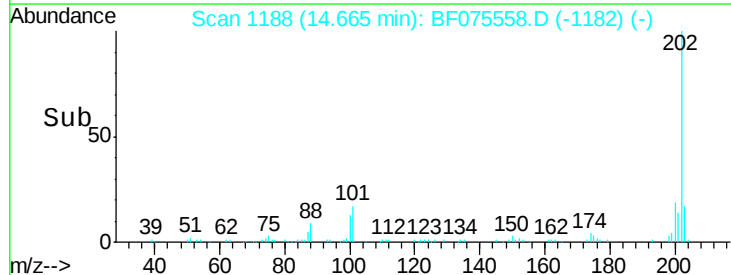
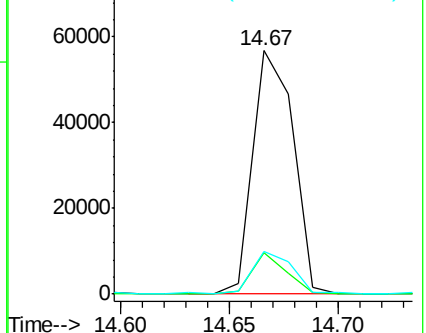
203 17.3 0.0 38.2

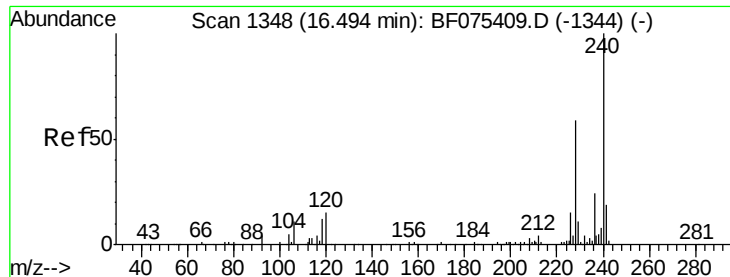


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.46 min Scan# 1345

Delta R.T. -0.08 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

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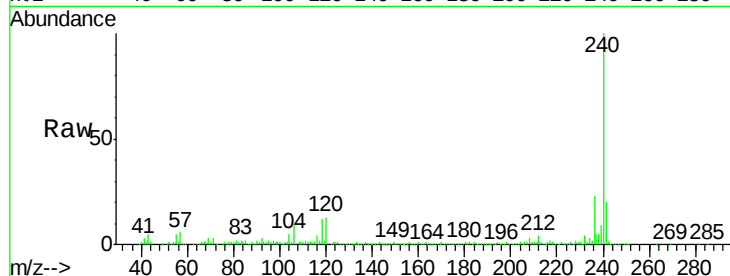
Tgt Ion:240 Resp: 255688

Ion Ratio Lower Upper

240 100

120 12.6 9.6 14.4

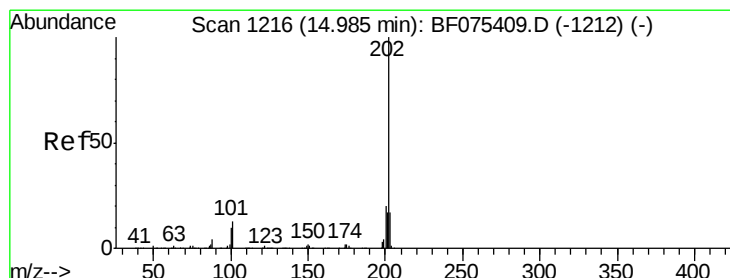
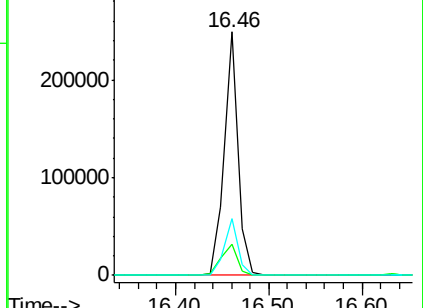
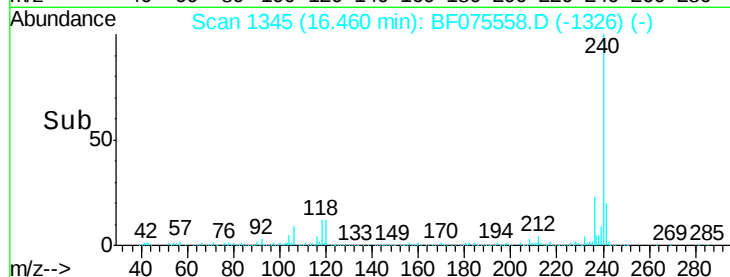
236 23.4 18.9 28.3



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: 4.49 ng

RT: 14.95 min Scan# 1213

Delta R.T. -0.03 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

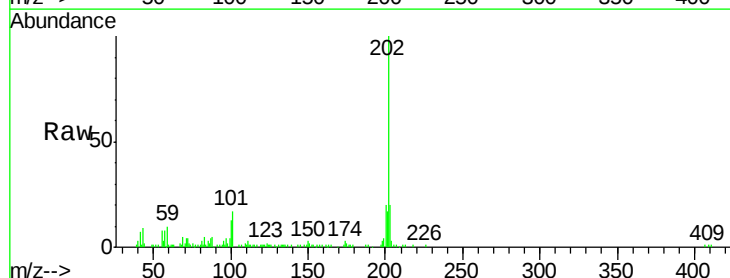
Tgt Ion:202 Resp: 66706

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

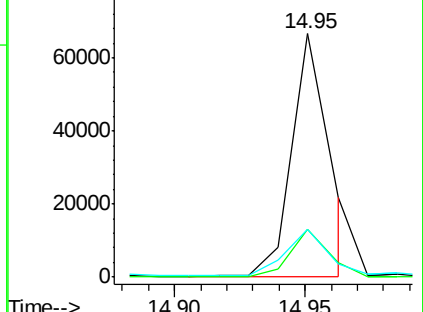
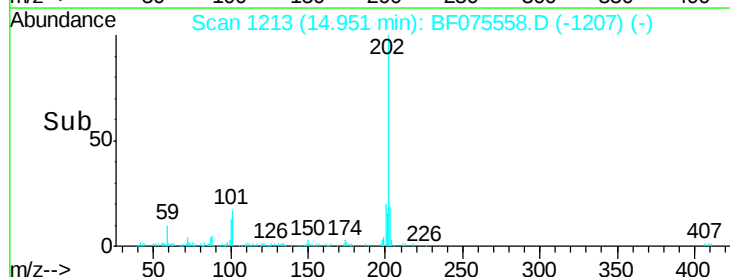
203 19.5 14.3 21.5

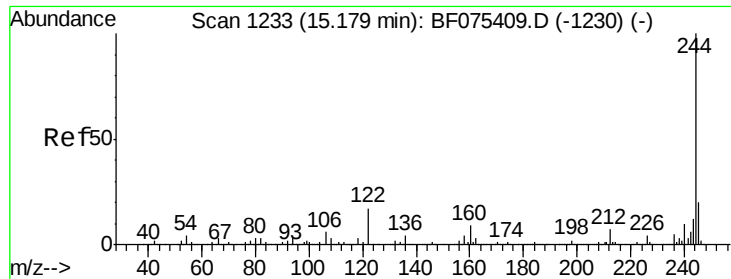


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

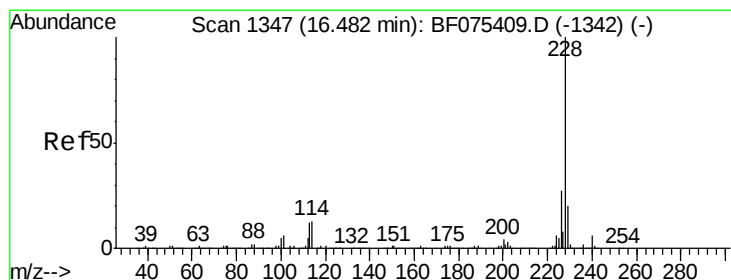
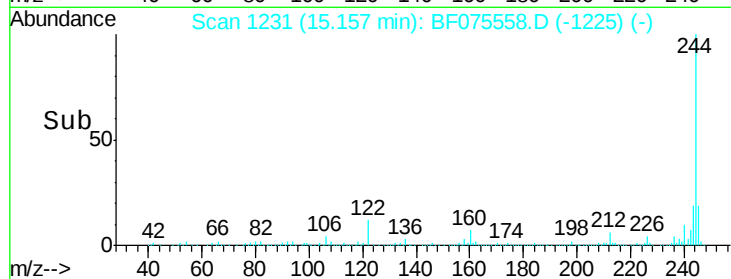
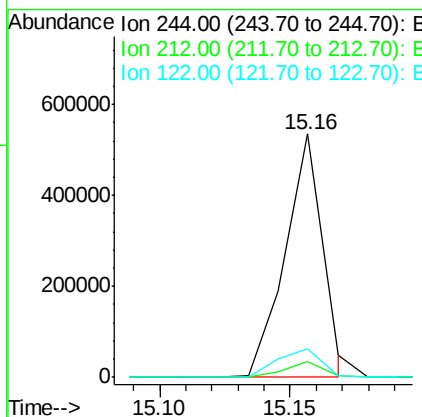
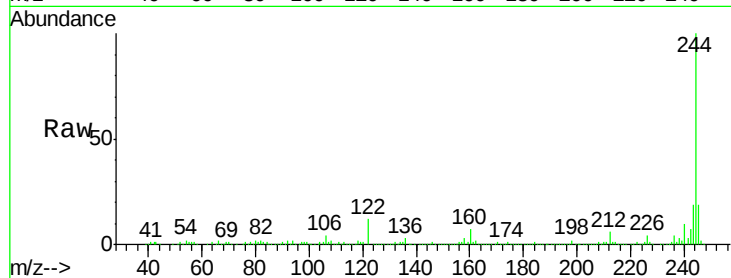




#78
 Terphenyl-d14
 Concen: 56.05 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: BF075558.D
 Acq: 15 Nov 2014 23:20

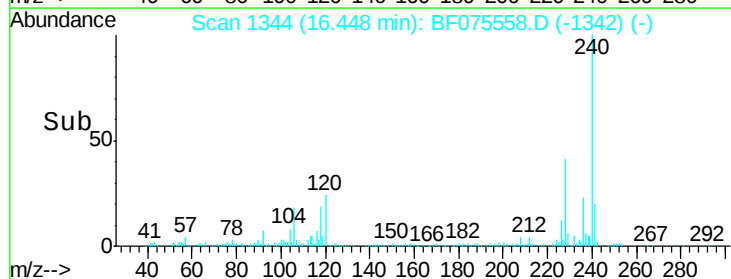
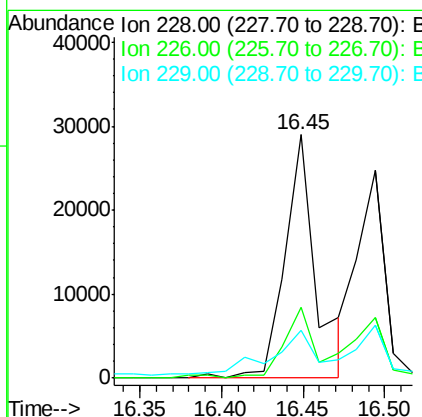
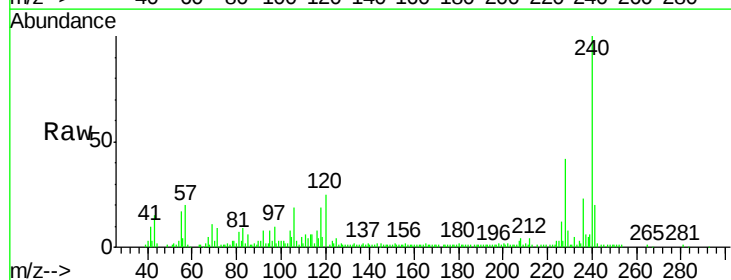
Instrument :
 BNA_F
 ClientSampleId :
 IMPORTED-FILL-C2RE

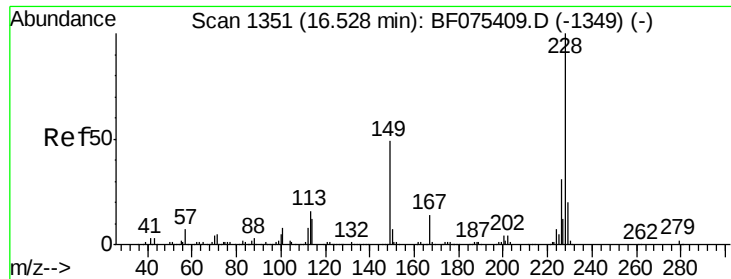
Tgt Ion:244 Resp: 532378
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.5 8.3
 122 11.8 9.7 14.5



#80
 Benzo(a)anthracene
 Concen: 2.85 ng
 RT: 16.45 min Scan# 1344
 Delta R.T. -0.08 min
 Lab File: BF075558.D
 Acq: 15 Nov 2014 23:20

Tgt Ion:228 Resp: 38274
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.8 32.8
 229 19.6 15.3 22.9

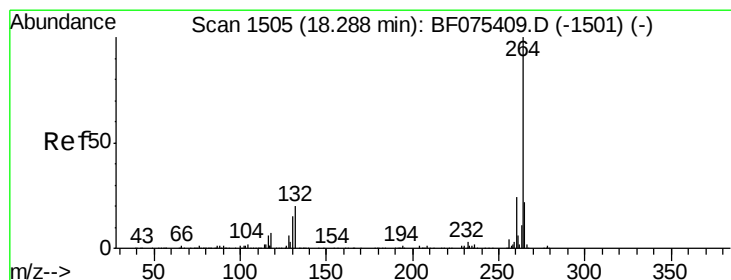
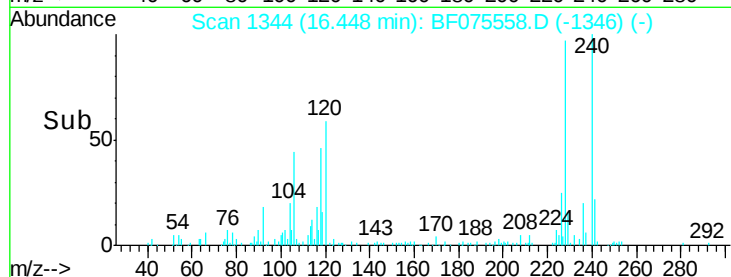
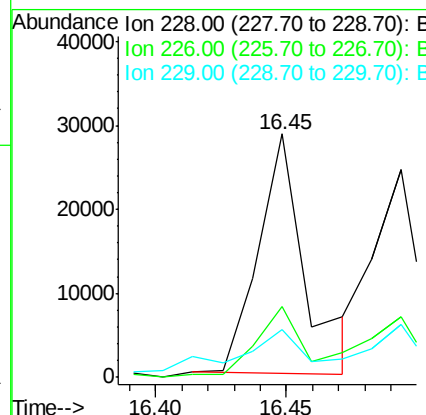
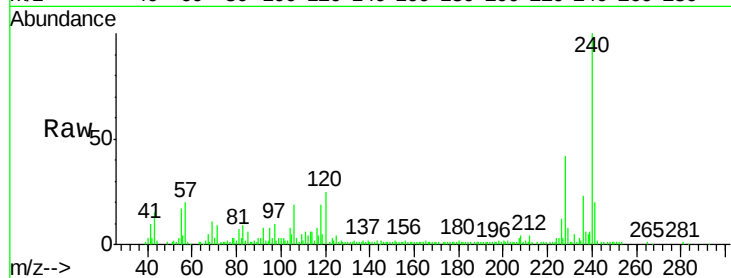




#82
Chrysene
Concen: 3.08 ng
RT: 16.45 min Scan# 1344
Delta R.T. -0.13 min
Lab File: BF075558.D
Acq: 15 Nov 2014 23:20

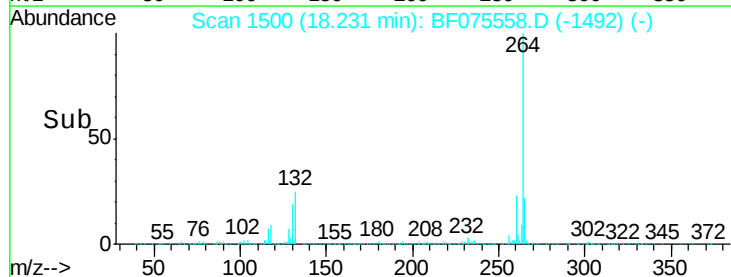
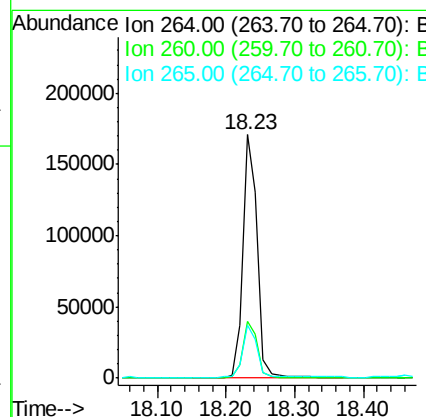
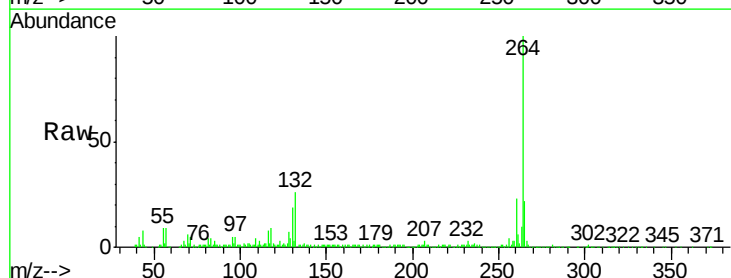
Instrument :
BNA_F
ClientSampleId :
IMPORTED-FILL-C2RE

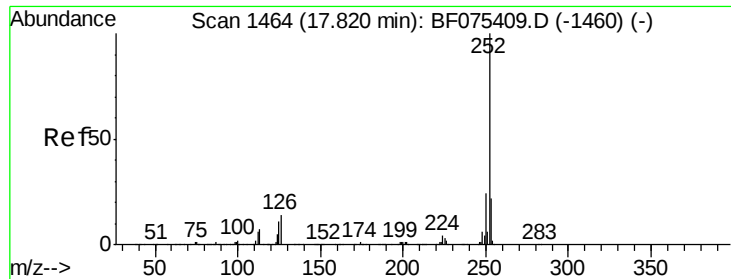
Tgt Ion:228 Resp: 35819
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.6
229 19.6 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.23 min Scan# 1500
Delta R.T. -0.21 min
Lab File: BF075558.D
Acq: 15 Nov 2014 23:20

Tgt Ion:264 Resp: 251009
Ion Ratio Lower Upper
264 100
260 23.4 17.9 26.9
265 21.9 16.3 24.5





#87

Benzo(b)fluoranthene

Concen: 3.06 ng

RT: 17.76 min Scan# 1459

Delta R.T. -0.18 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

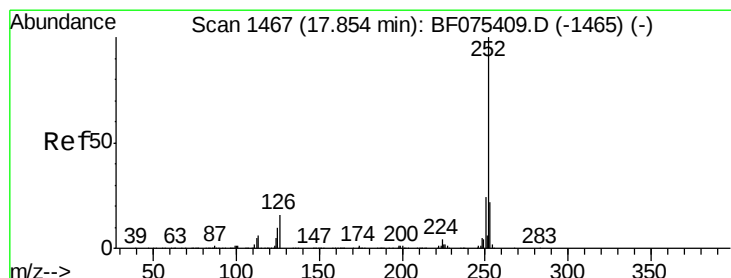
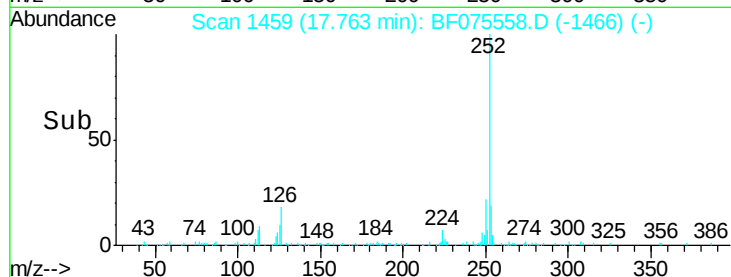
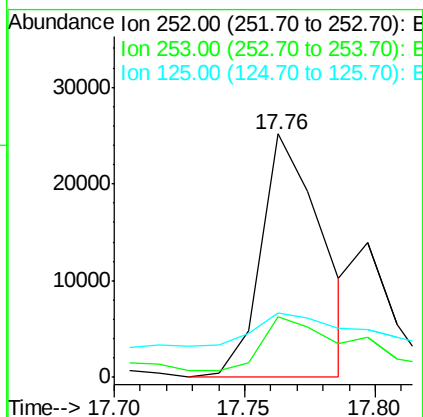
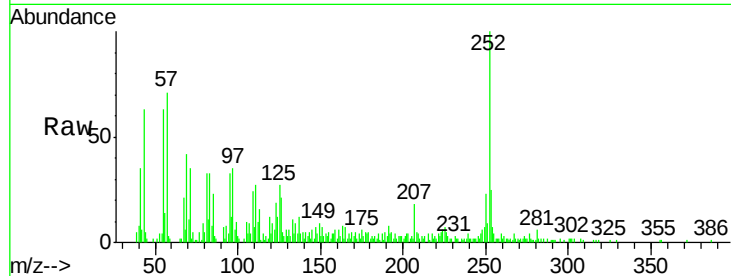
Instrument :

BNA_F

ClientSampleId :

IMPORTED-FILL-C2RE

Tgt Ion:	252	Resp:	41073
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	26.6	11.8	17.6#



#88

Benzo(k)fluoranthene

Concen: 4.60 ng

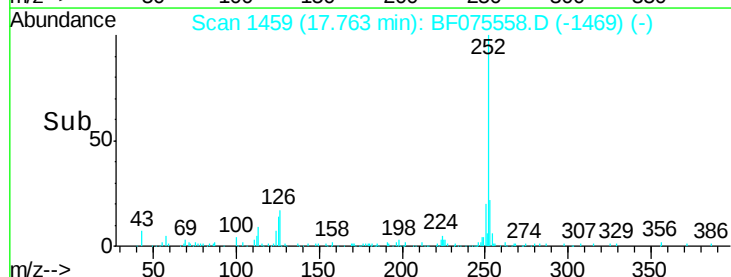
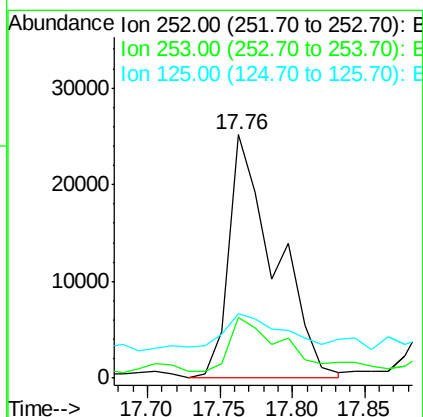
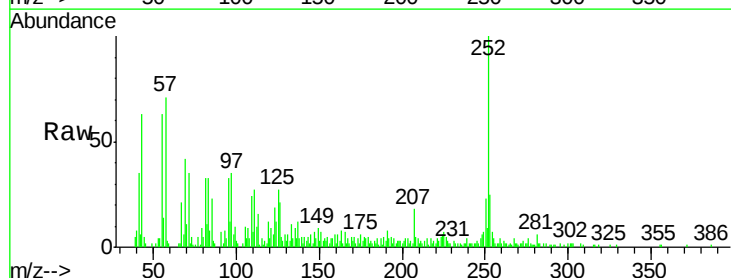
RT: 17.76 min Scan# 1459

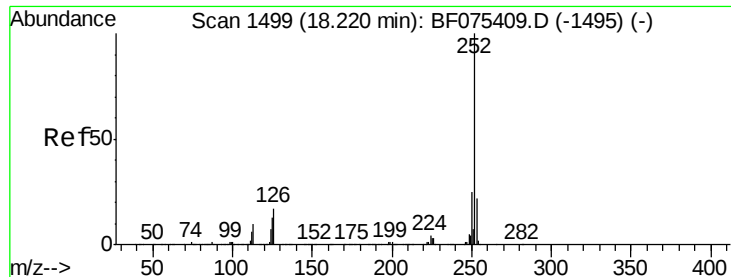
Delta R.T. -0.22 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Tgt Ion:	252	Resp:	55437
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	26.6	11.6	17.4#





#89

Benzo(a)pyrene

Concen: 2.24 ng

RT: 18.16 min Scan# 1494

Delta R.T. -0.21 min

Lab File: BF075558.D

Acq: 15 Nov 2014 23:20

Instrument :

BNA_F

ClientSampleId :

IMPORTED-FILL-C2RE

Tgt Ion: 252 Resp: 26946

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 27.0 12.2 18.4#

