

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062415\
 Data File : BF080156.D
 Acq On : 25 Jun 2015 5:02
 Operator : TP/IZ
 Sample : G2699-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9819

Quant Time: Jun 25 05:34:25 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	33838	20.00	ng	0.00
21) Naphthalene-d8	8.61	136	130578	20.00	ng	0.00
38) Acenaphthene-d10	10.38	164	66830	20.00	ng	0.00
63) Phenanthrene-d10	11.88	188	128818	20.00	ng	-0.01
75) Chrysene-d12	14.78	240	158801	20.00	ng	-0.15
86) Perylene-d12	16.62	264	162166	20.00	ng	-0.22

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.92	112	292482	153.01	ng	0.00
7) Phenol-d6	6.92	99	367764	144.58	ng	0.00
23) Nitrobenzene-d5	7.88	82	215851	96.23	ng	0.00
41) 2,4,6-Tribromophenol	11.18	330	97333	148.94	ng	0.01
44) 2-Fluorobiphenyl	9.68	172	439241	93.73	ng	0.00
78) Terphenyl-d14	13.54	244	570509	83.90	ng	-0.07

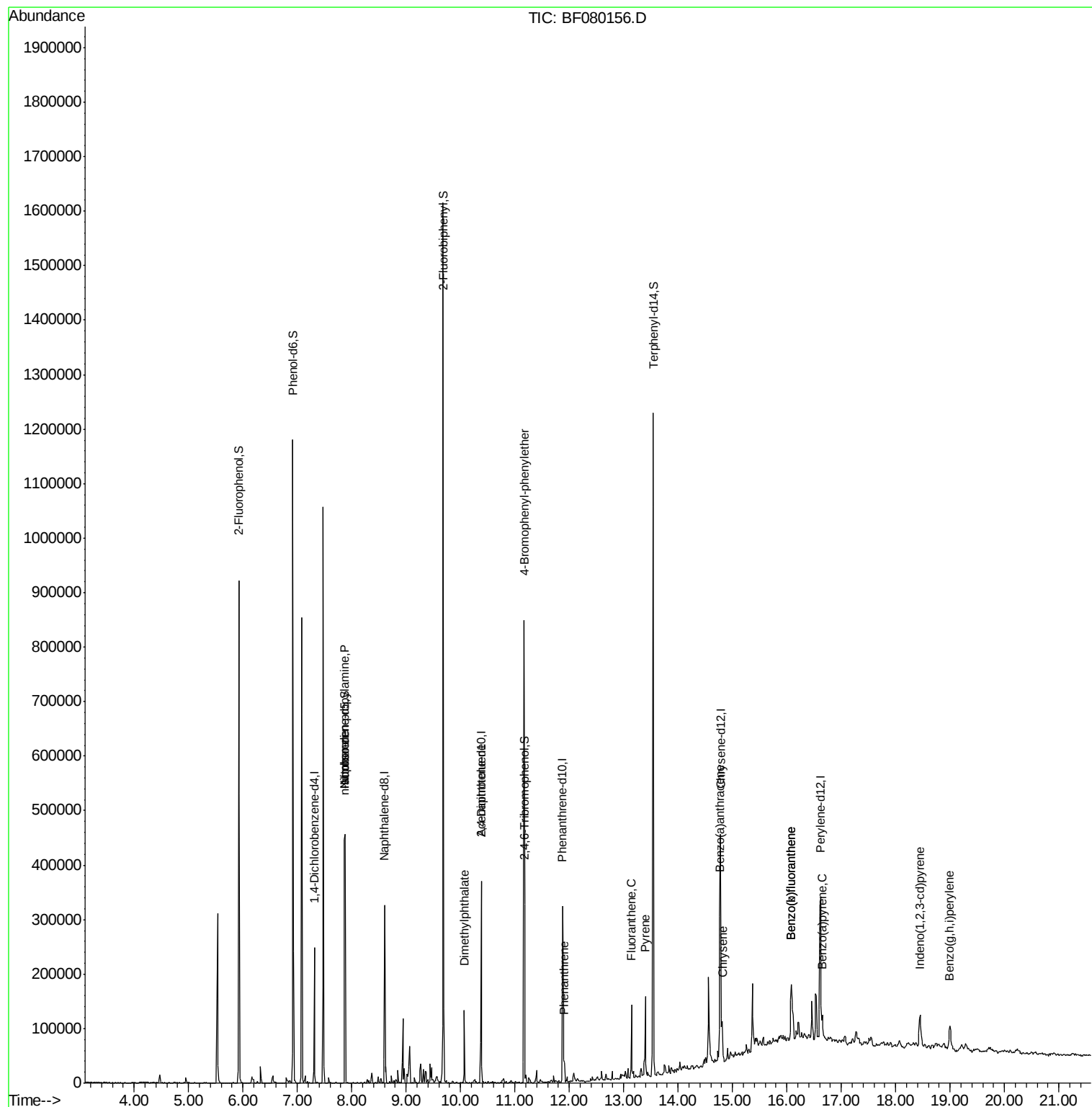
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.86	70	27262	15.44	ng	# 65
25) Isophorone	7.88	82	215151	47.66	ng	# 58
49) Dimethylphthalate	10.07	163	50638	10.08	ng	# 98
56) 2,4-Dinitrotoluene	10.38	165	8692	6.80	ng	# 31
66) 4-Bromophenyl-phenylether	11.17	248	7176	5.24	ng	# 1
70) Phenanthrene	11.90	178	17762	2.28	ng	96
74) Fluoranthene	13.14	202	52601	6.33	ng	91
77) Pyrene	13.40	202	52863	5.41	ng	97
80) Benzo(a)anthracene	14.77	228	50580	5.23	ng	94
82) Chrysene	14.81	228	35933	4.03	ng	94
85) Indeno(1,2,3-cd)pyrene	18.45	276	46510	4.13	ng	# 82
87) Benzo(b)fluoranthene	16.08	252	92811	9.45	ng	# 88
88) Benzo(k)fluoranthene	16.08	252	92844	9.29	ng	# 89
89) Benzo(a)pyrene	16.65	252	20432	2.19	ng	93
91) Benzo(g,h,i)perylene	19.00	276	49176	5.10	ng	# 78

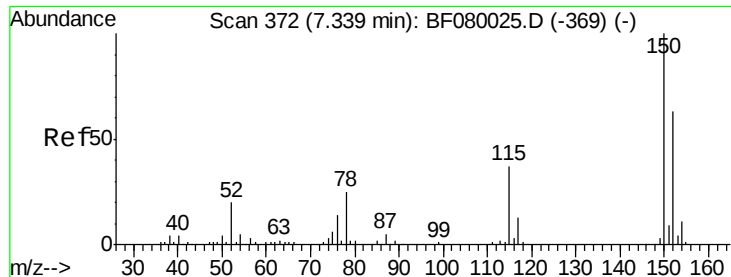
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.32 min Scan# 370

Delta R.T. -0.00 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

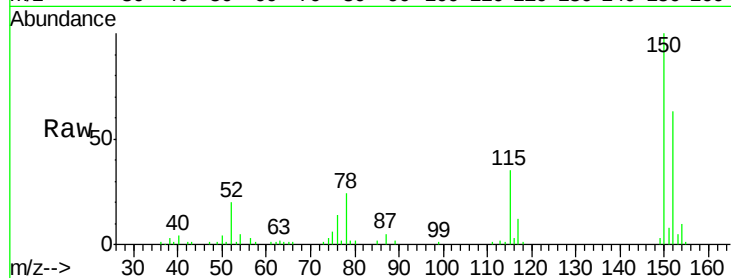
Tgt Ion:152 Resp: 33838

Ion Ratio Lower Upper

152 100

150 158.6 124.7 187.1

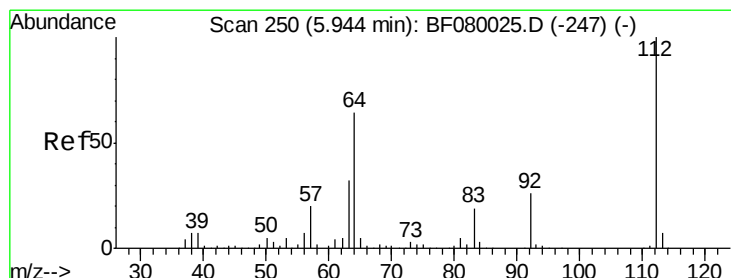
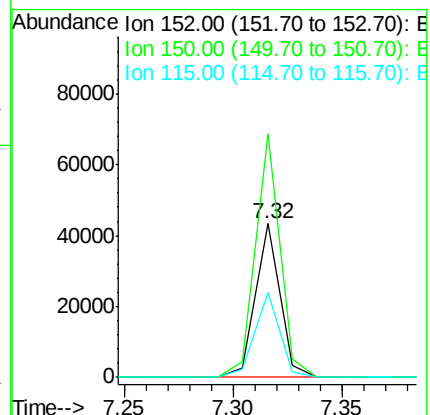
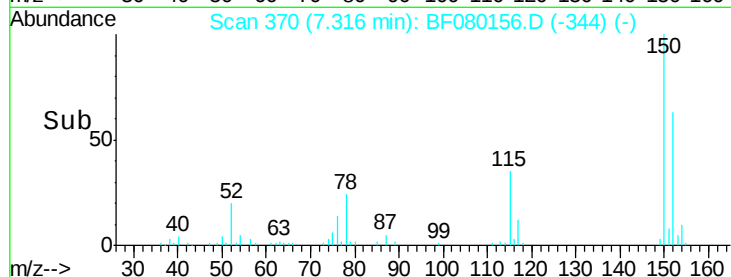
115 55.6 39.0 58.4



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: 153.01 ng

RT: 5.92 min Scan# 248

Delta R.T. -0.00 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

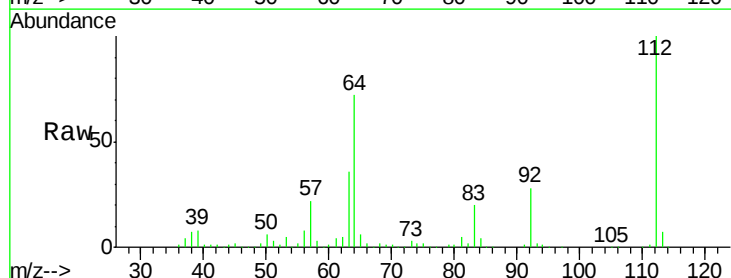
Tgt Ion:112 Resp: 292482

Ion Ratio Lower Upper

112 100

64 71.7 39.7 59.5#

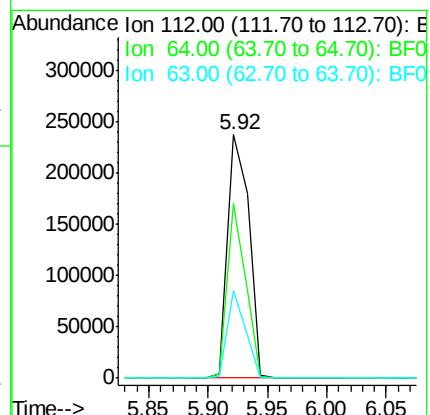
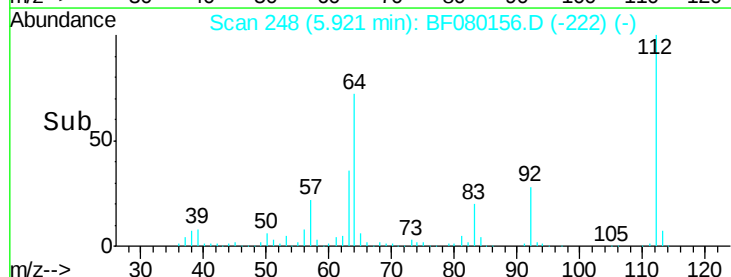
63 35.9 17.4 26.0#

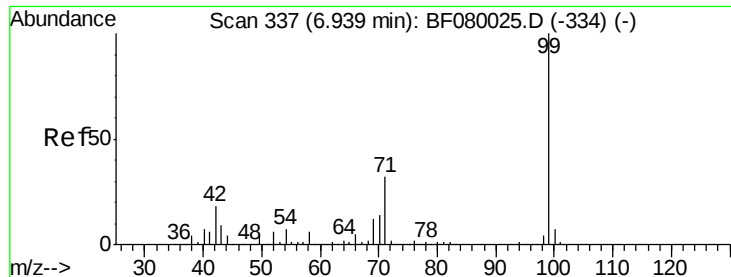


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.58 ng

RT: 6.92 min Scan# 335

Delta R.T. -0.00 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampled :

LAR9819

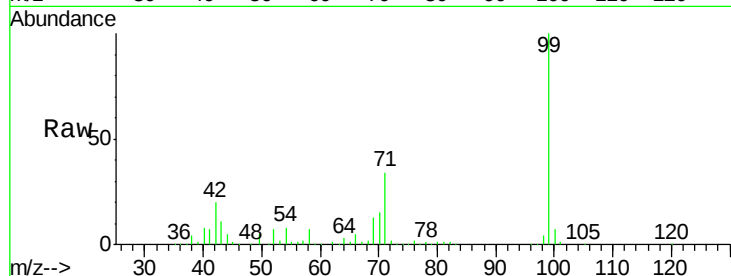
Tgt Ion: 99 Resp: 367764

Ion Ratio Lower Upper

99 100

42 19.9 13.7 20.5

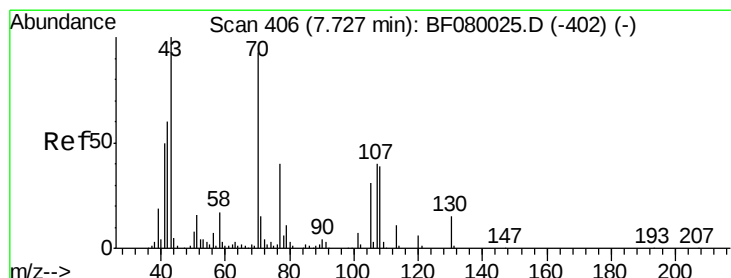
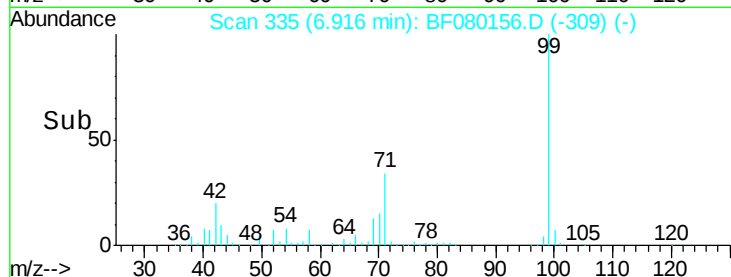
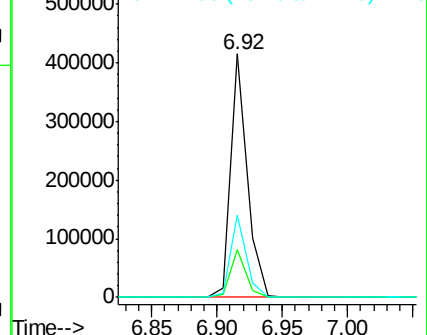
71 33.9 14.2 21.2#



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: 15.44 ng

RT: 7.86 min Scan# 418

Delta R.T. 0.16 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Tgt Ion: 70 Resp: 27262

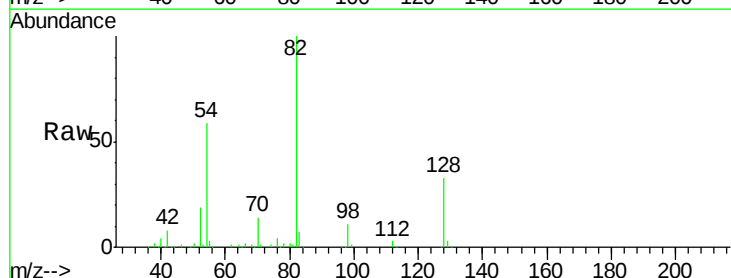
Ion Ratio Lower Upper

70 100

42 56.2 63.8 95.6#

101 0.0 9.2 13.8#

130 1.7 27.3 40.9#

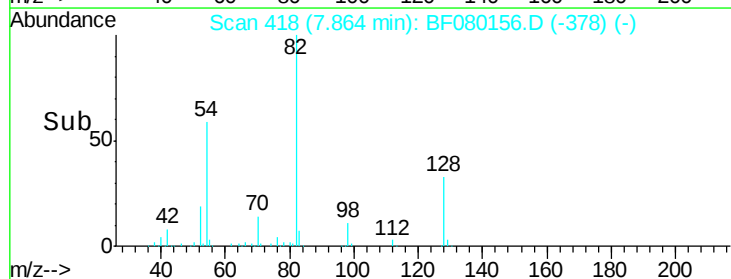
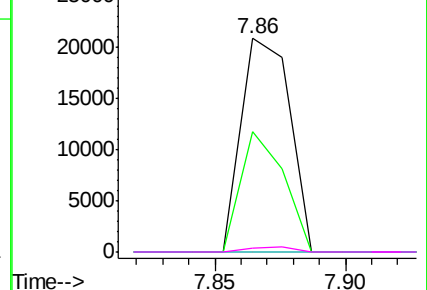


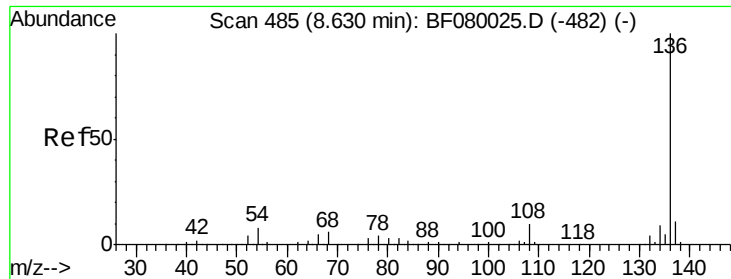
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

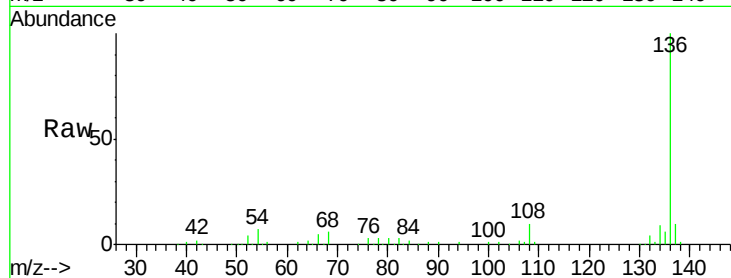




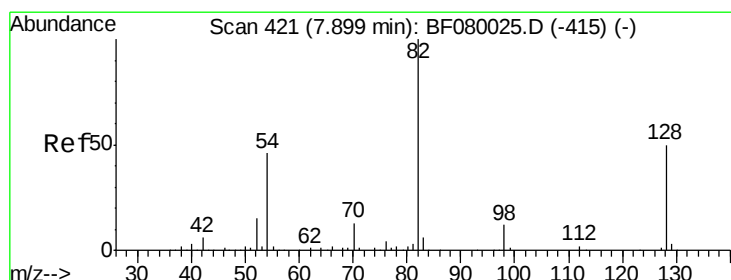
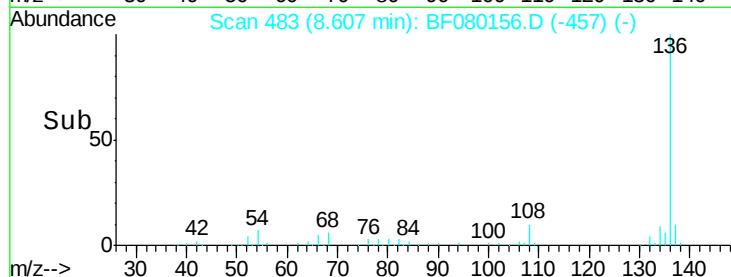
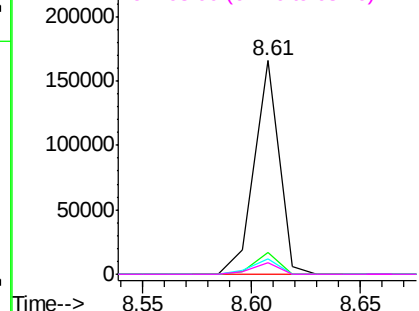
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.61 min Scan# 483
Delta R.T. -0.00 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Instrument :
BNA_F
ClientSampleId :
LAR9819

Tgt Ion:	136	Resp:	130578
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	7.4	8.2	12.2#
68	5.6	5.8	8.6#

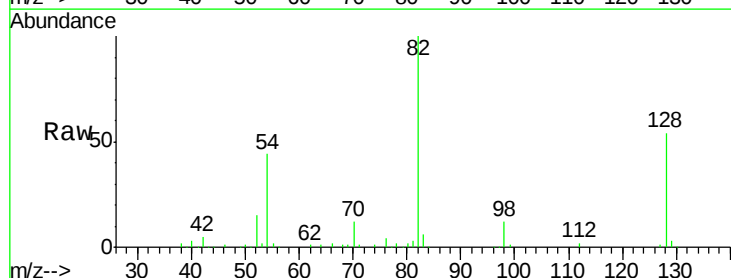


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

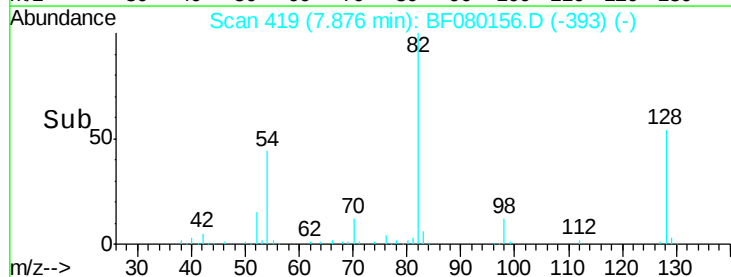
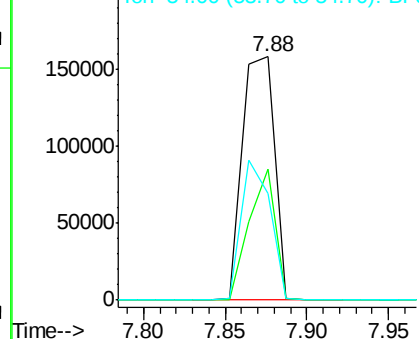


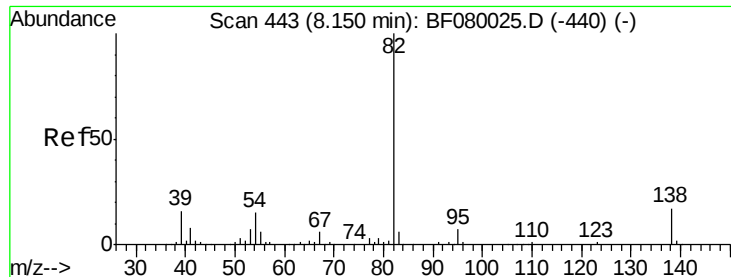
#23
Nitrobenzene-d5
Concen: 96.23 ng
RT: 7.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Tgt Ion:	82	Resp:	215851
Ion	Ratio	Lower	Upper
82	100		
128	54.0	51.0	76.6
54	44.0	47.5	71.3#



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: 47.66 ng

RT: 7.88 min Scan# 419

Delta R.T. -0.25 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

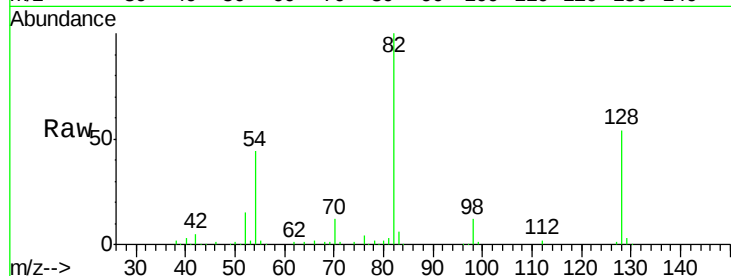
Tgt Ion: 82 Resp: 215151

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#

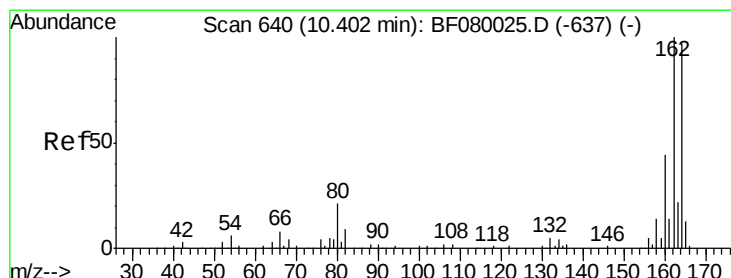
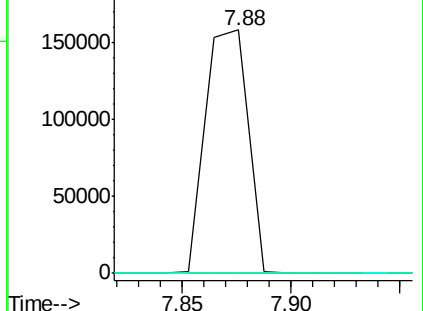
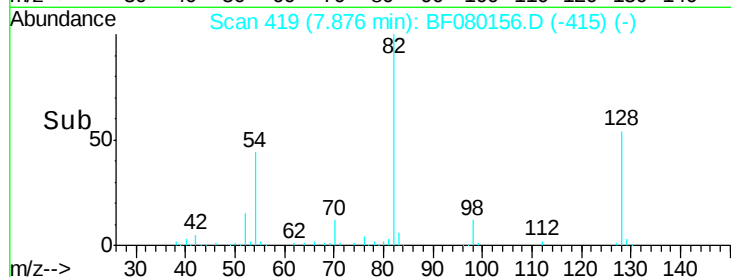


Abundance Ion 82.00 (81.70 to 82.70): BF080156.D (-415) (-)

Ion 95.00 (94.70 to 95.70): BF080156.D (-415) (-)

Ion 138.00 (137.70 to 138.70): BF080156.D (-415) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.38 min Scan# 638

Delta R.T. -0.00 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

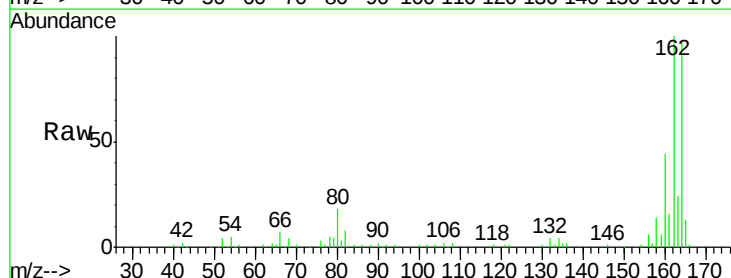
Tgt Ion: 164 Resp: 66830

Ion Ratio Lower Upper

164 100

162 103.2 75.2 112.8

160 45.5 31.5 47.3

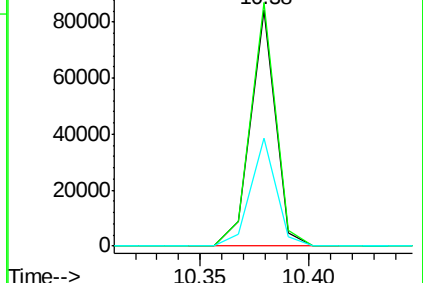
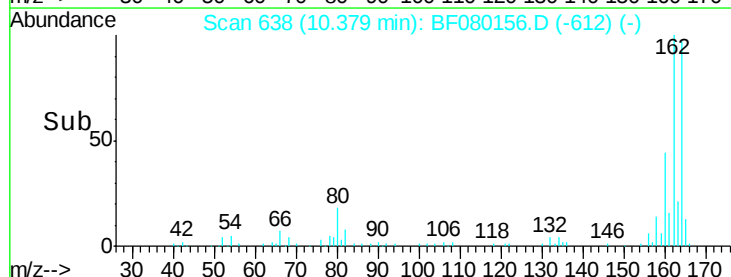


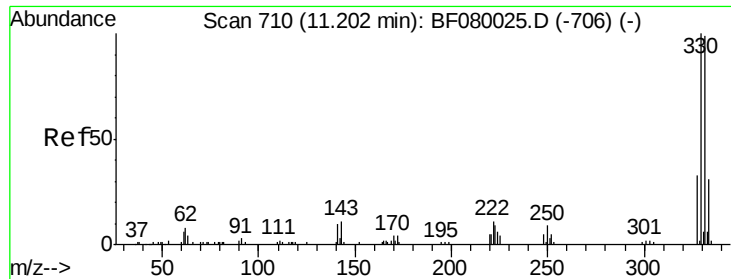
Abundance Ion 164.00 (163.70 to 164.70): BF080156.D (-612) (-)

Ion 162.00 (161.70 to 162.70): BF080156.D (-612) (-)

Ion 160.00 (159.70 to 160.70): BF080156.D (-612) (-)

Time-->

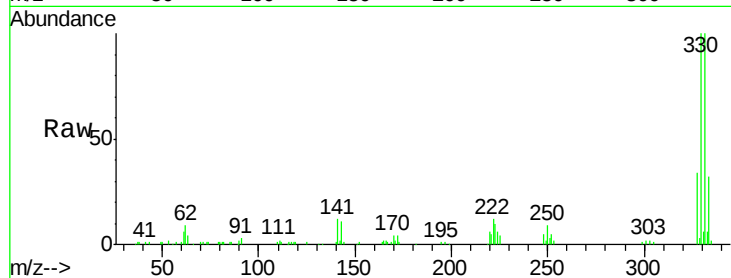




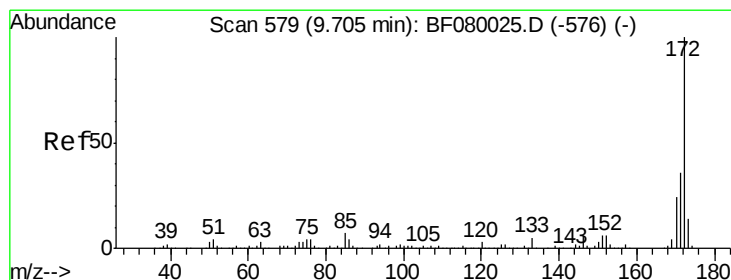
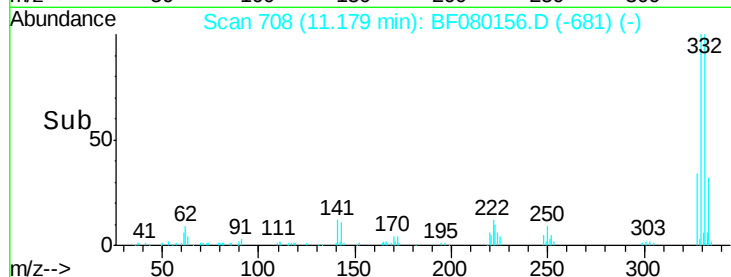
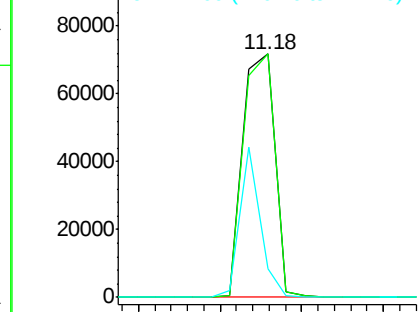
#41
 2,4,6-Tribromophenol
 Concen: 148.94 ng
 RT: 11.18 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: BF080156.D
 Acq: 25 Jun 2015 5:02

Instrument :
 BNA_F
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 LAR9819

Tgt Ion:330 Resp: 97333
 Ion Ratio Lower Upper
 330 100
 332 98.5 76.6 114.8
 141 38.7 29.7 44.5

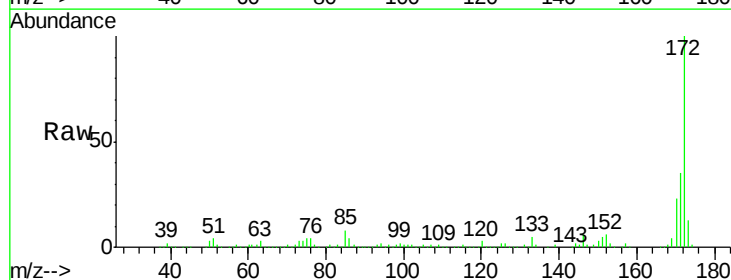


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

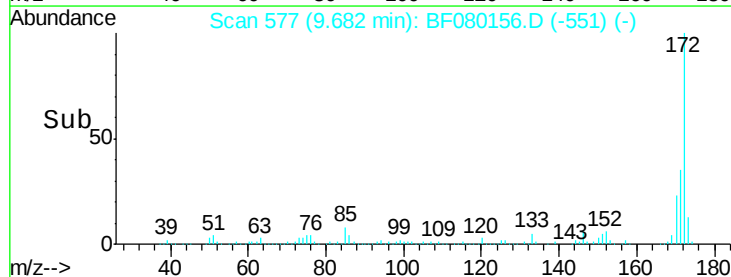
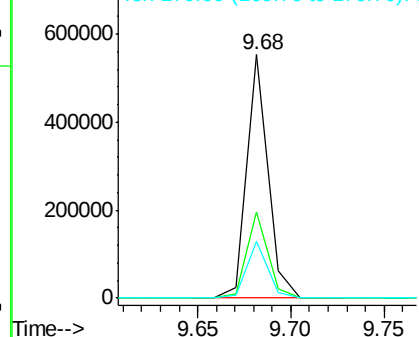


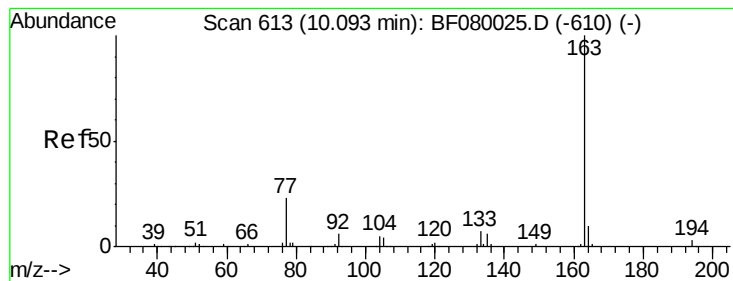
#44
 2-Fluorobiphenyl
 Concen: 93.73 ng
 RT: 9.68 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF080156.D
 Acq: 25 Jun 2015 5:02

Tgt Ion:172 Resp: 439241
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 23.4 17.4 26.2



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: 10.08 ng

RT: 10.07 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

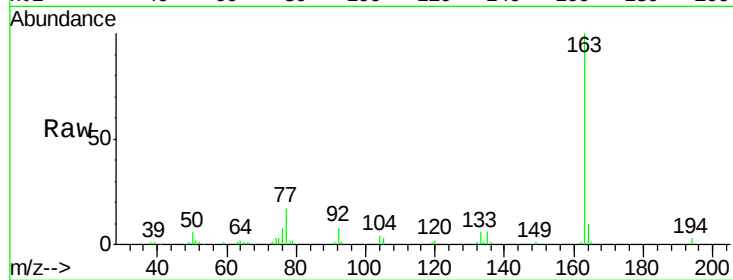
Tgt Ion:163 Resp: 50638

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

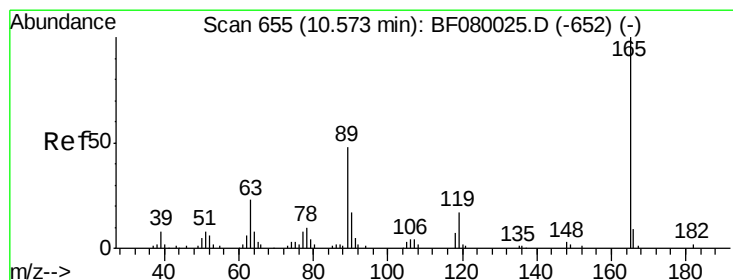
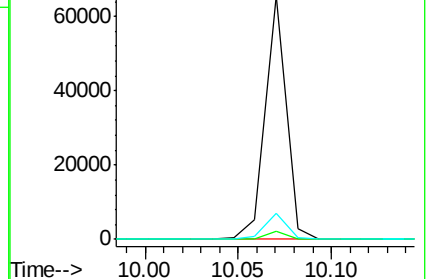
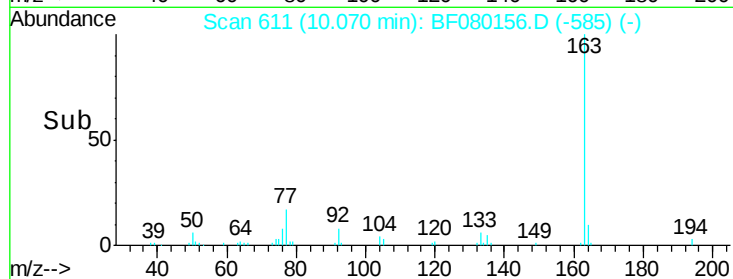
164 10.5 8.3 12.5



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: 6.80 ng

RT: 10.38 min Scan# 638

Delta R.T. -0.17 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Tgt Ion:165 Resp: 8692

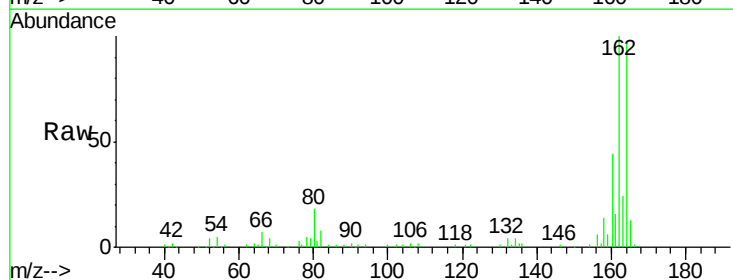
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

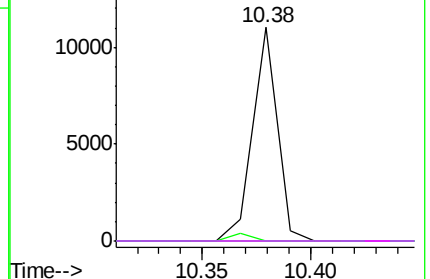
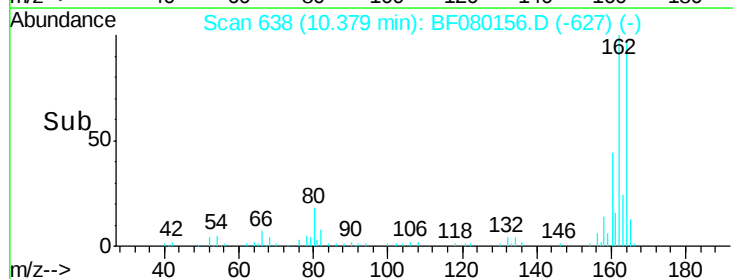


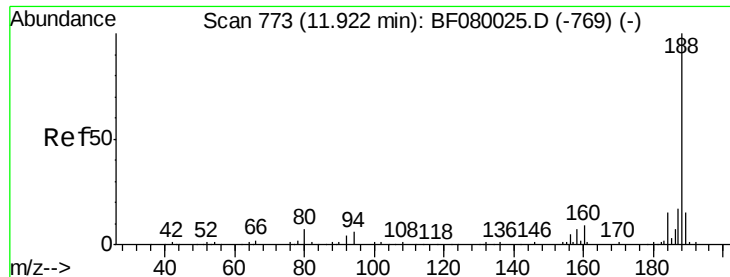
Abundance Ion 165.00 (164.70 to 165.70): E

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

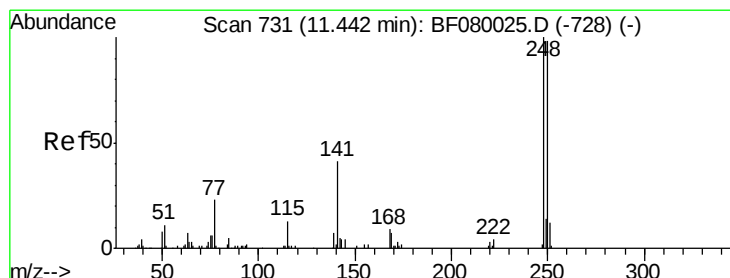
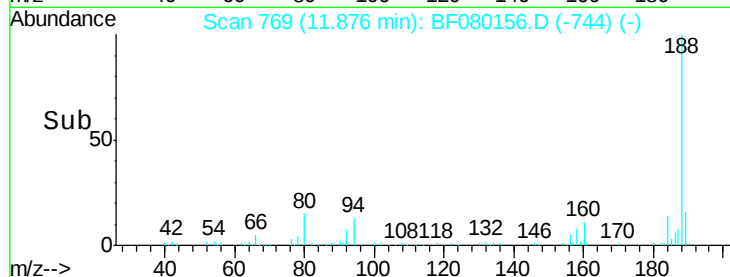
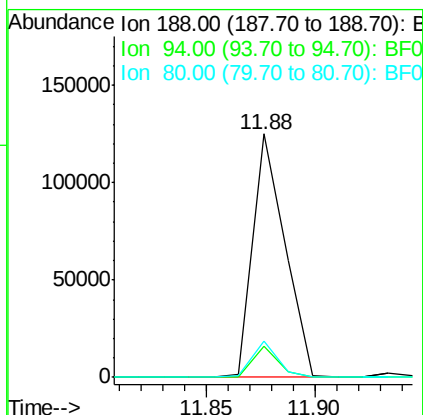
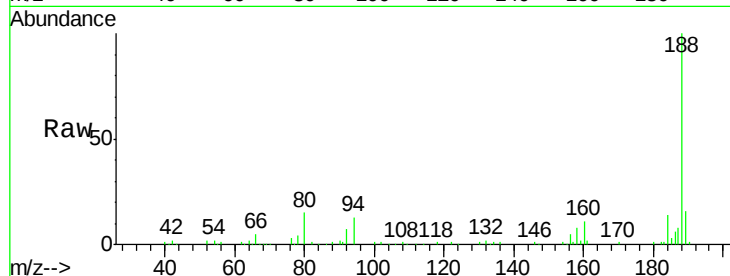




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.88 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

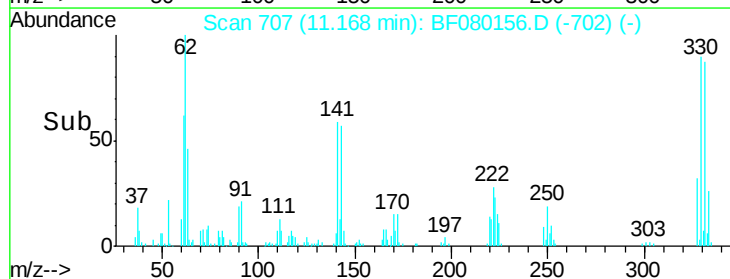
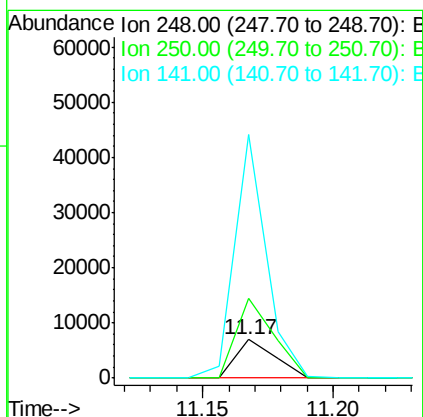
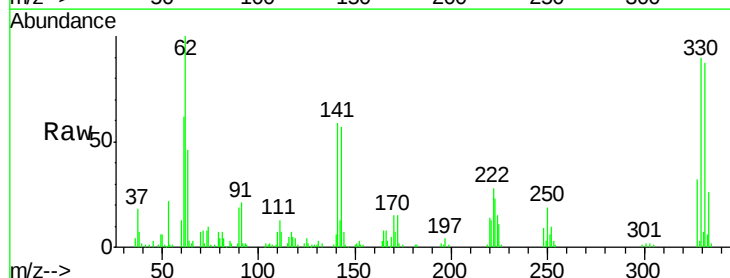
Instrument :
BNA_F
ClientSampleId :
LAR9819

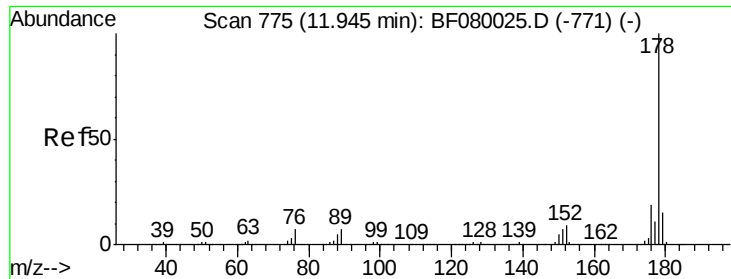
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	11.1	16.7
80	14.7	11.0	16.4



#66
4-Bromophenyl-phenylether
Concen: 5.24 ng
RT: 11.17 min Scan# 707
Delta R.T. -0.24 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.7	78.5	117.7#
141	635.8	59.0	88.6#

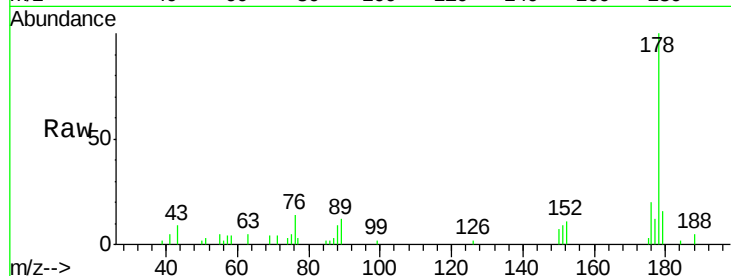




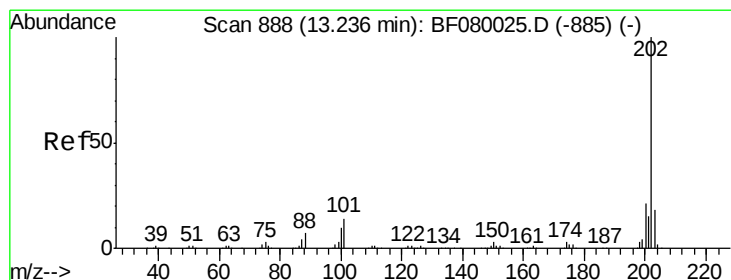
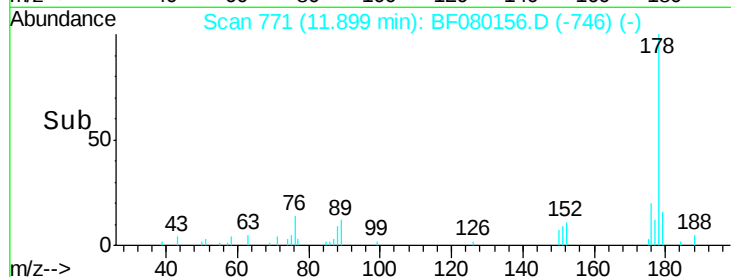
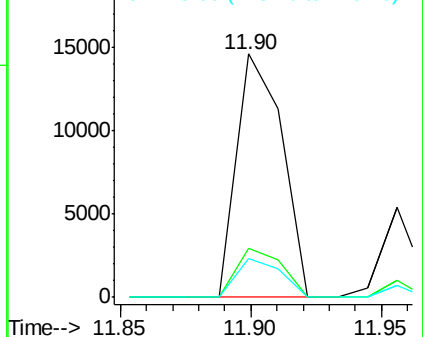
#70
Phenanthrene
Concen: 2.28 ng
RT: 11.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Instrument :
BNA_F
ClientSampleId :
LAR9819

Tgt Ion:178 Resp: 17762
Ion Ratio Lower Upper
178 100
176 20.3 13.8 20.8
179 15.8 12.2 18.2

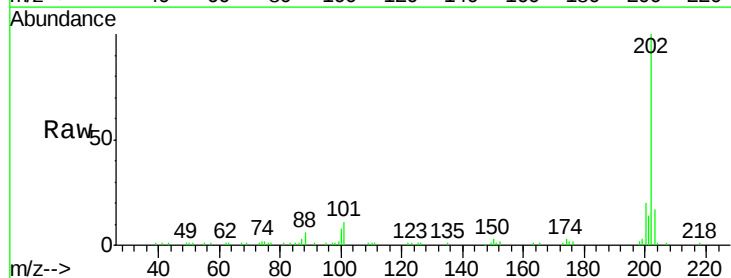


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

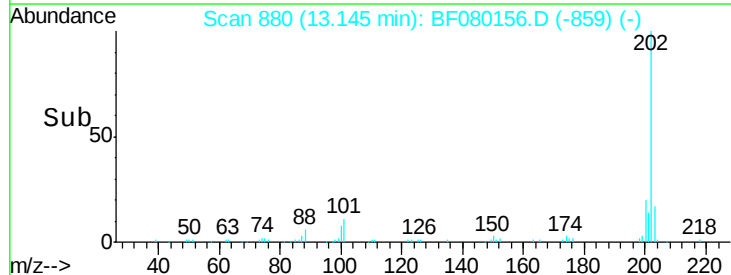
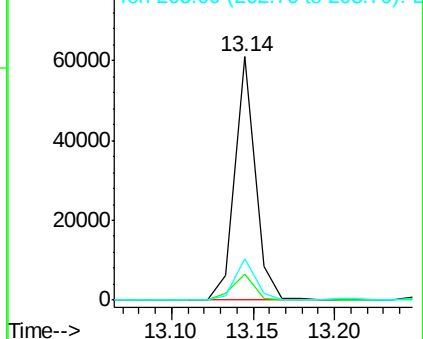


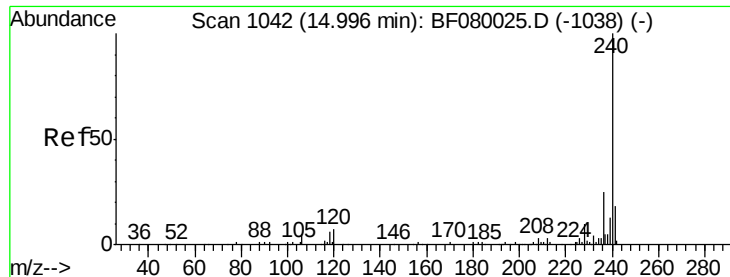
#74
Fluoranthene
Concen: 6.33 ng
RT: 13.14 min Scan# 880
Delta R.T. -0.06 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Tgt Ion:202 Resp: 52601
Ion Ratio Lower Upper
202 100
101 10.6 0.0 38.3
203 17.1 0.0 37.3



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: 14.78 min Scan# 1023

Delta R.T. -0.15 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

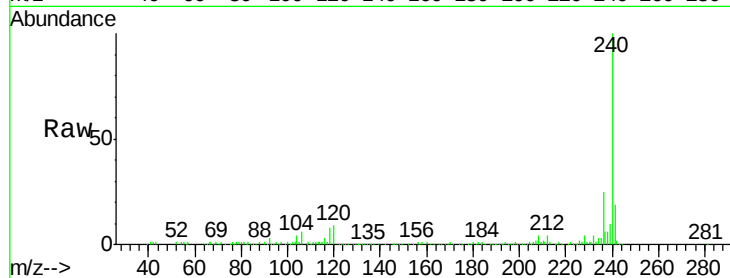
Tgt Ion:240 Resp: 158801

Ion Ratio Lower Upper

240 100

120 9.3 16.2 24.2#

236 25.4 18.4 27.6



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

14.78

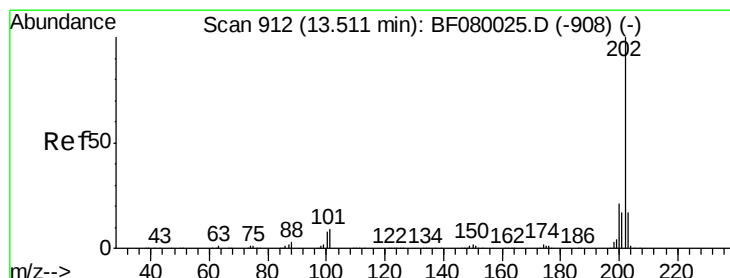
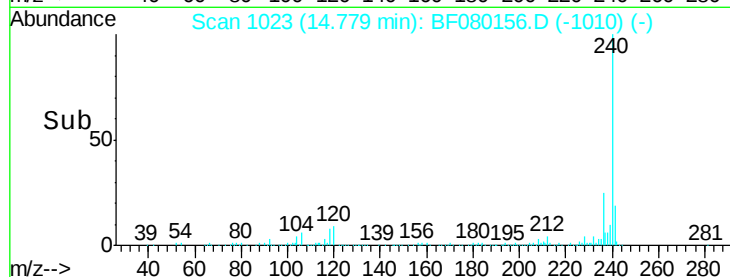
150000

100000

50000

0

Time-->



#77

Pyrene

Concen: 5.41 ng

RT: 13.40 min Scan# 902

Delta R.T. -0.07 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

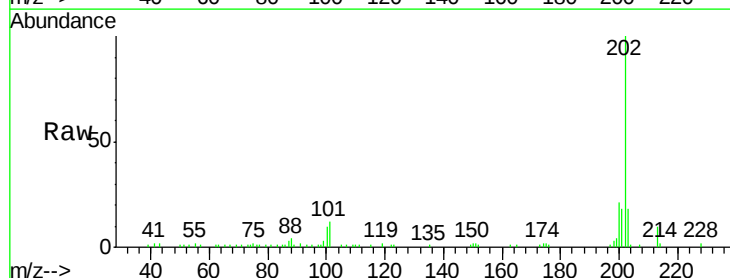
Tgt Ion:202 Resp: 52863

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

203 17.8 14.1 21.1



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

13.40

80000

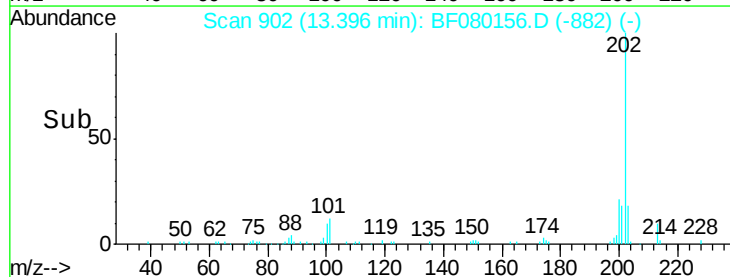
60000

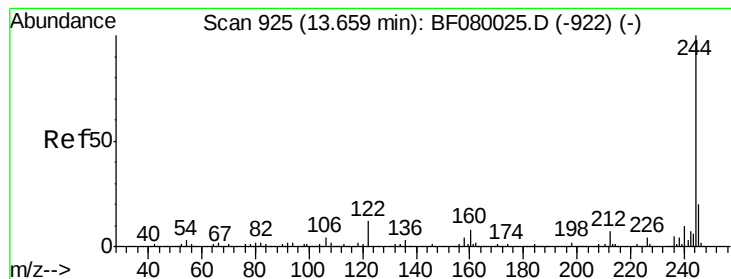
40000

20000

0

Time-->





#78

Terphenyl-d14

Concen: 83.90 ng

RT: 13.54 min Scan# 915

Delta R.T. -0.07 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

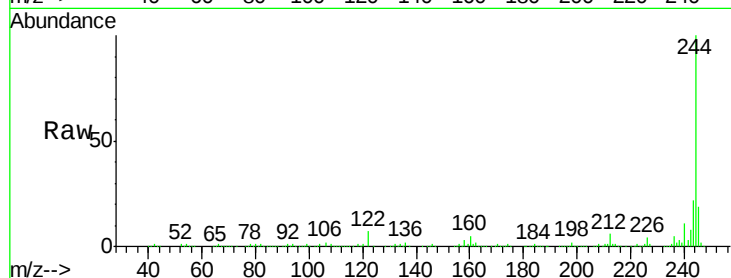
Tgt Ion:244 Resp: 570509

Ion Ratio Lower Upper

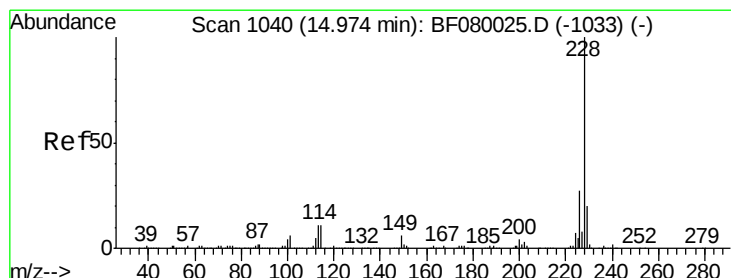
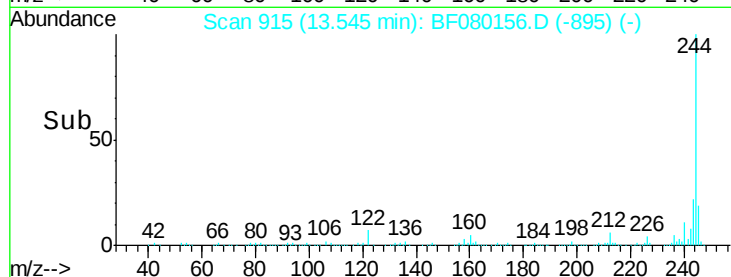
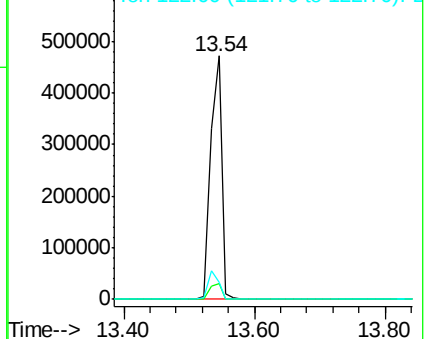
244 100

212 6.5 4.3 6.5

122 6.9 17.4 26.2#



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: 5.23 ng

RT: 14.77 min Scan# 1022

Delta R.T. -0.15 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

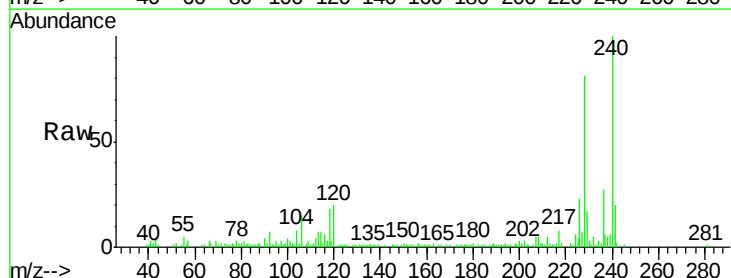
Tgt Ion:228 Resp: 50580

Ion Ratio Lower Upper

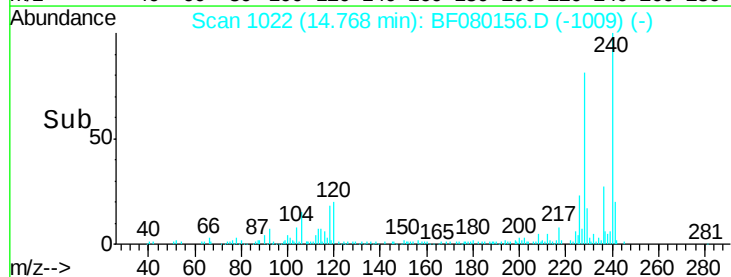
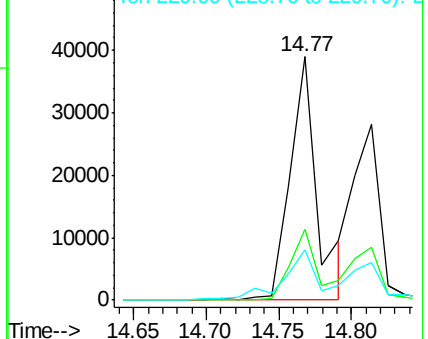
228 100

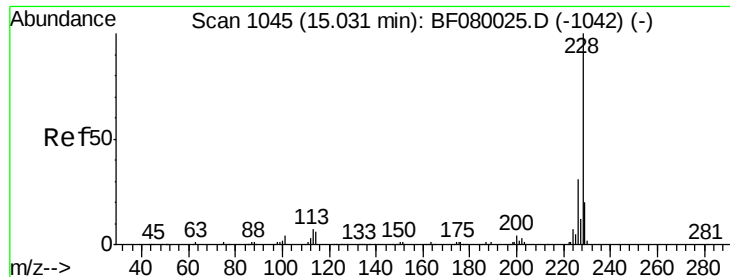
226 29.0 20.0 30.0

229 20.7 15.4 23.2



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





#82

Chrysene

Concen: 4.03 ng

RT: 14.81 min Scan# 1026

Delta R.T. -0.15 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

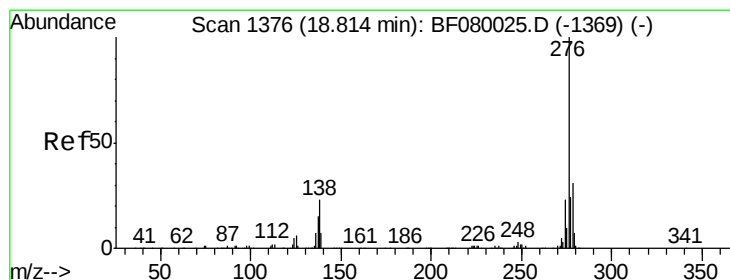
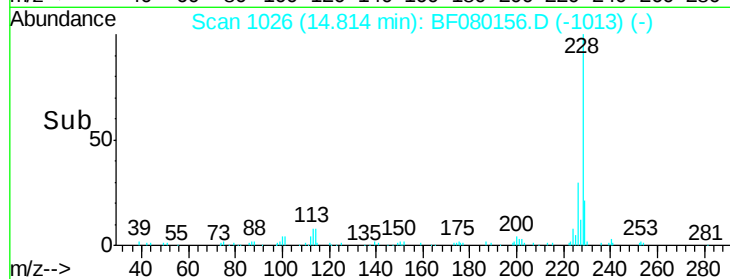
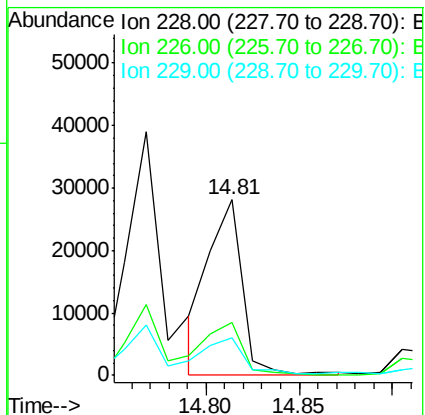
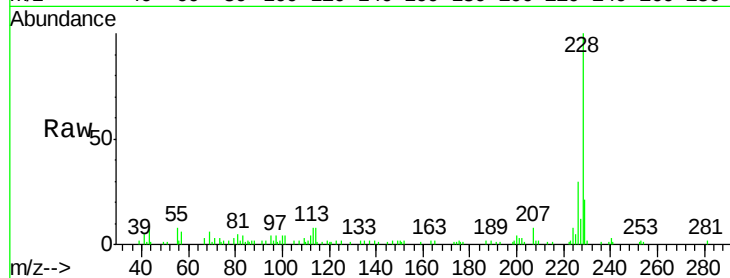
Tgt Ion:228 Resp: 35933

Ion Ratio Lower Upper

228 100

226 29.9 21.0 31.4

229 21.5 15.6 23.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.13 ng

RT: 18.45 min Scan# 1344

Delta R.T. -0.24 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

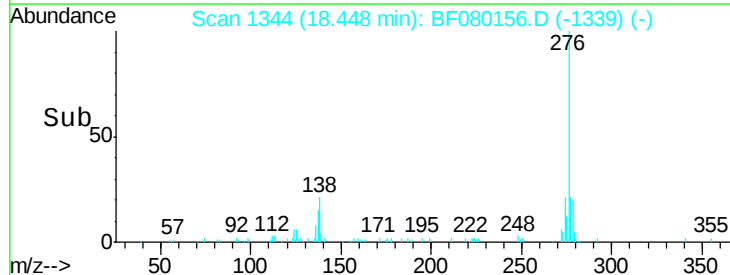
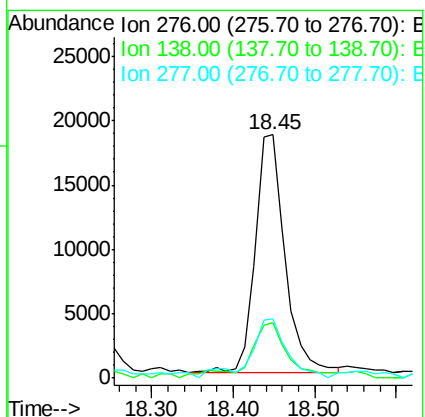
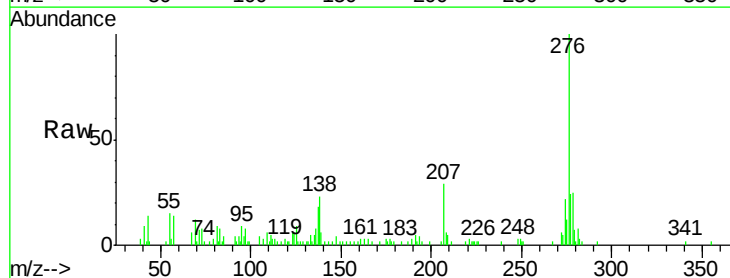
Tgt Ion:276 Resp: 46510

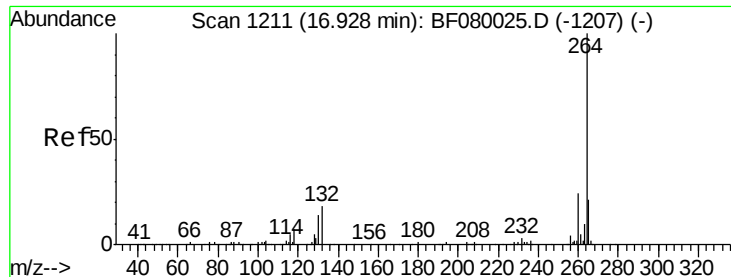
Ion Ratio Lower Upper

276 100

138 22.2 25.7 38.5#

277 27.3 15.6 23.4#



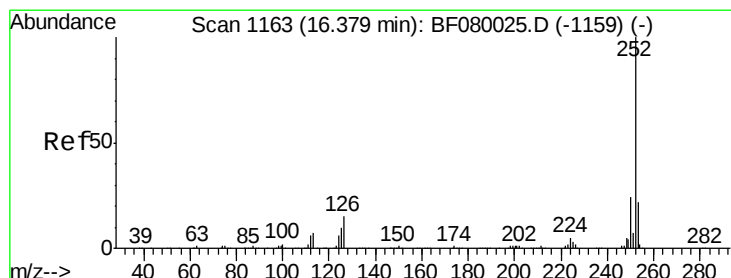
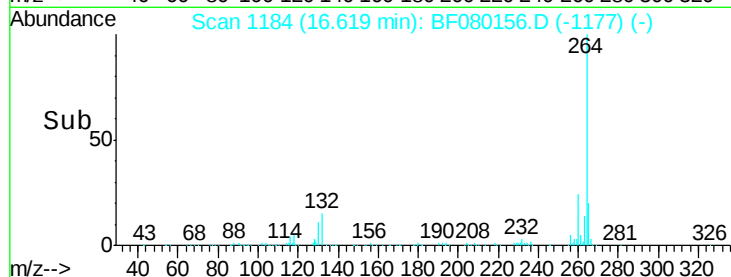
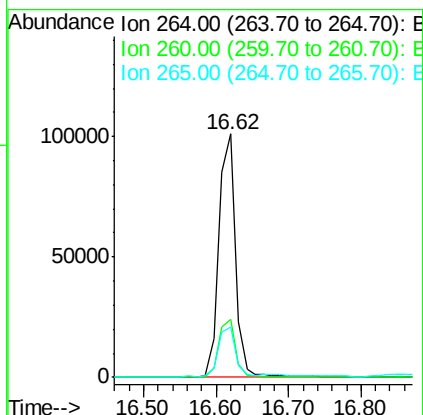
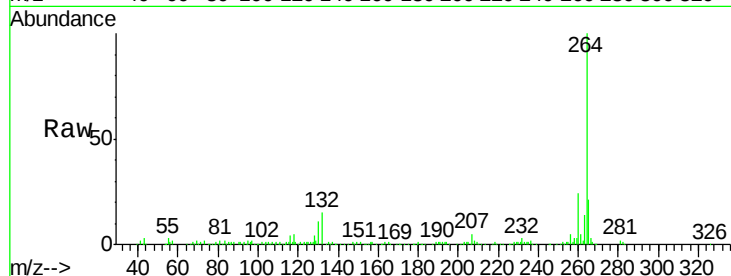


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.62 min Scan# 1184
Delta R.T. -0.22 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Instrument :
BNA_F
ClientSampleId :
LAR9819

Tgt Ion: 264 Resp: 162166

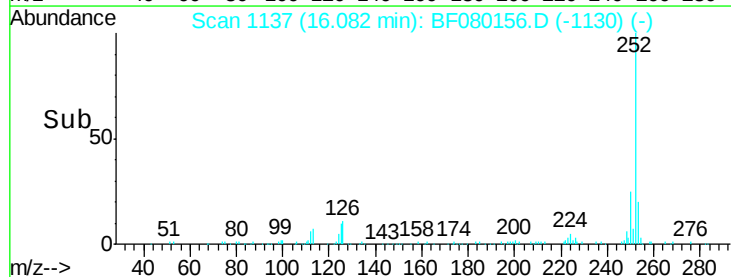
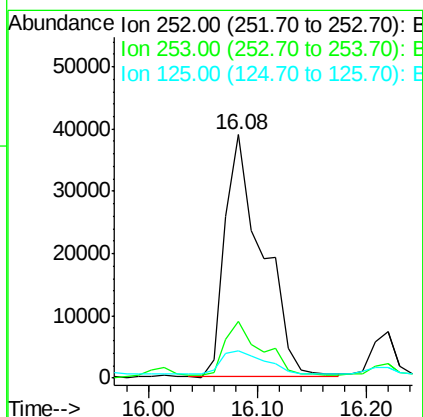
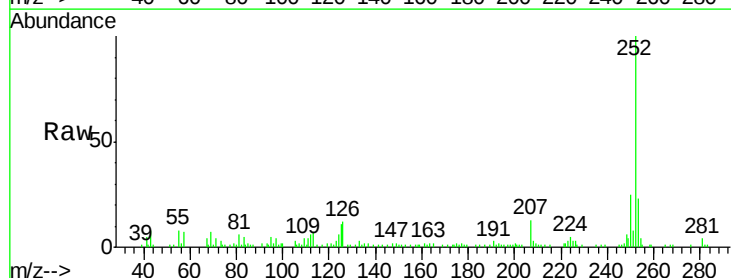
Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	25.1
265	20.6	17.2	25.8

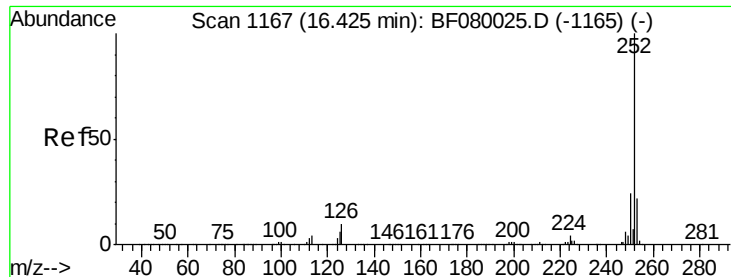


#87
Benzo(b)fluoranthene
Concen: 9.45 ng
RT: 16.08 min Scan# 1137
Delta R.T. -0.22 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Tgt Ion: 252 Resp: 92811

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	11.2	17.1	25.7#

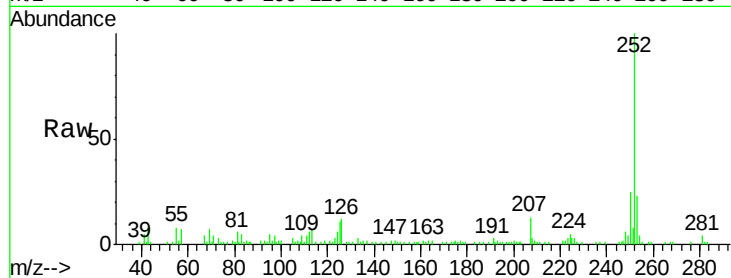




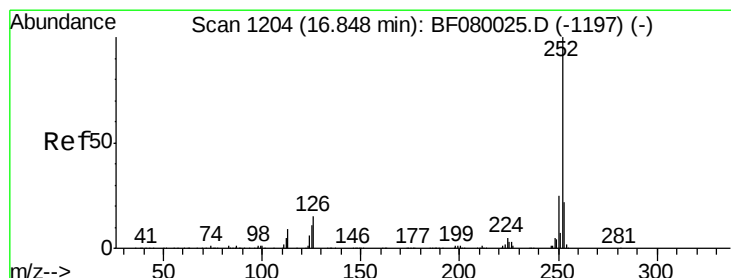
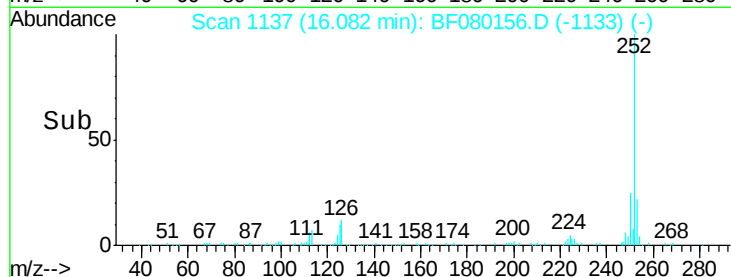
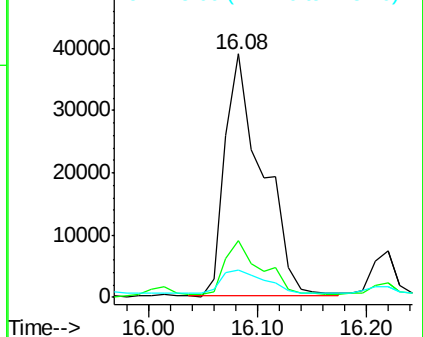
#88
Benzo(k)fluoranthene
Concen: 9.29 ng
RT: 16.08 min Scan# 1137
Delta R.T. -0.25 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Instrument :
BNA_F
ClientSampled :
LAR9819

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.4
125	11.2	16.0	24.0#

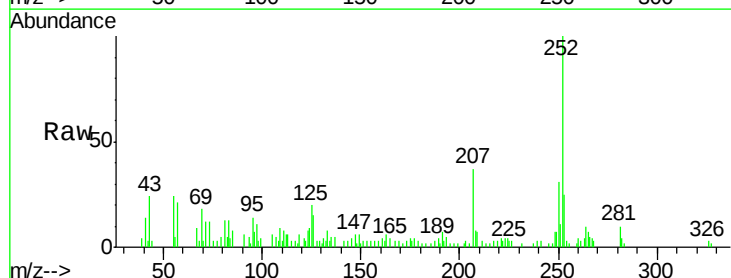


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

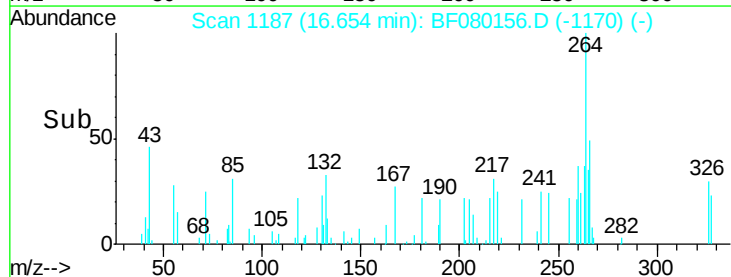
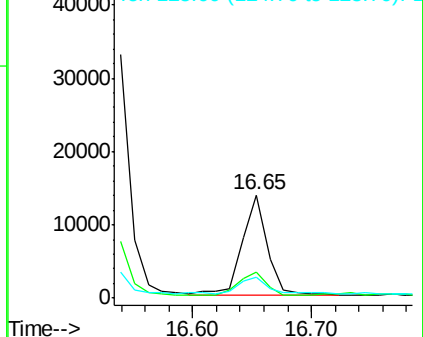


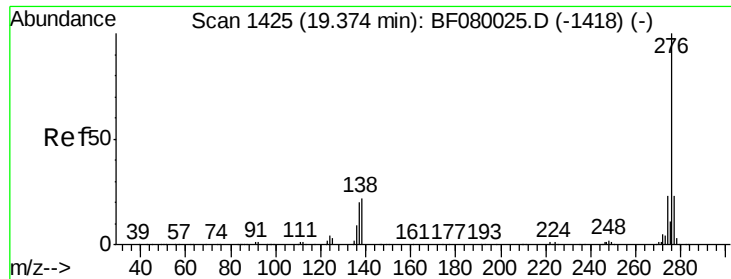
#89
Benzo(a)pyrene
Concen: 2.19 ng
RT: 16.65 min Scan# 1187
Delta R.T. -0.10 min
Lab File: BF080156.D
Acq: 25 Jun 2015 5:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	19.7	18.0	27.0



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





#91

Benzo(g,h,i)perylene

Concen: 5.10 ng

RT: 19.00 min Scan# 1392

Delta R.T. -0.25 min

Lab File: BF080156.D

Acq: 25 Jun 2015 5:02

Instrument :

BNA_F

ClientSampleId :

LAR9819

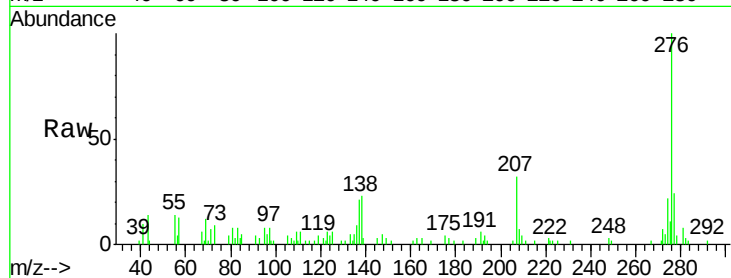
Tgt Ion: 276 Resp: 49176

Ion Ratio Lower Upper

276 100

277 24.2 17.8 26.6

138 23.3 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

