

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062615\
 Data File : BF080187.D
 Acq On : 26 Jun 2015 11:13
 Operator : TP/IZ
 Sample : G2658-02DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP2(7.5)DL

Manual Integrations
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 6/29/2015 11:32:44 AM

Quant Time: Jun 26 23:36:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 26 23:02:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	28290	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	109434	20.00	ng	0.00
38) Acenaphthene-d10	10.36	164	58566	20.00	ng	0.00
63) Phenanthrene-d10	11.89	188	120220	20.00	ng	0.00
75) Chrysene-d12	15.02	240	126137	20.00	ng	-0.01
86) Perylene-d12	17.00	264	124966	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	34879	21.82	ng	0.00
7) Phenol-d6	6.89	99	50303	23.65	ng	0.00
23) Nitrobenzene-d5	7.85	82	34222	18.21	ng	0.00
41) 2,4,6-Tribromophenol	11.16	330	8482	14.81	ng	0.00
44) 2-Fluorobiphenyl	9.66	172	54556	13.28	ng	0.00
78) Terphenyl-d14	13.66	244	68563	12.69	ng	0.00
Target Compounds						
31) Naphthalene	8.61	128	53302m	9.32	ng	Qvalue
37) 2-Methylnaphthalene	9.30	142	164325	44.40	ng	# 91
45) 1,1'-Biphenyl	9.77	154	48083	10.09	ng	95
51) Acenaphthene	10.39	154	14775	3.74	ng	# 31
57) Fluorene	10.92	166	34879	7.85	ng	# 64
70) Phenanthrene	11.91	178	117790	16.18	ng	96

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

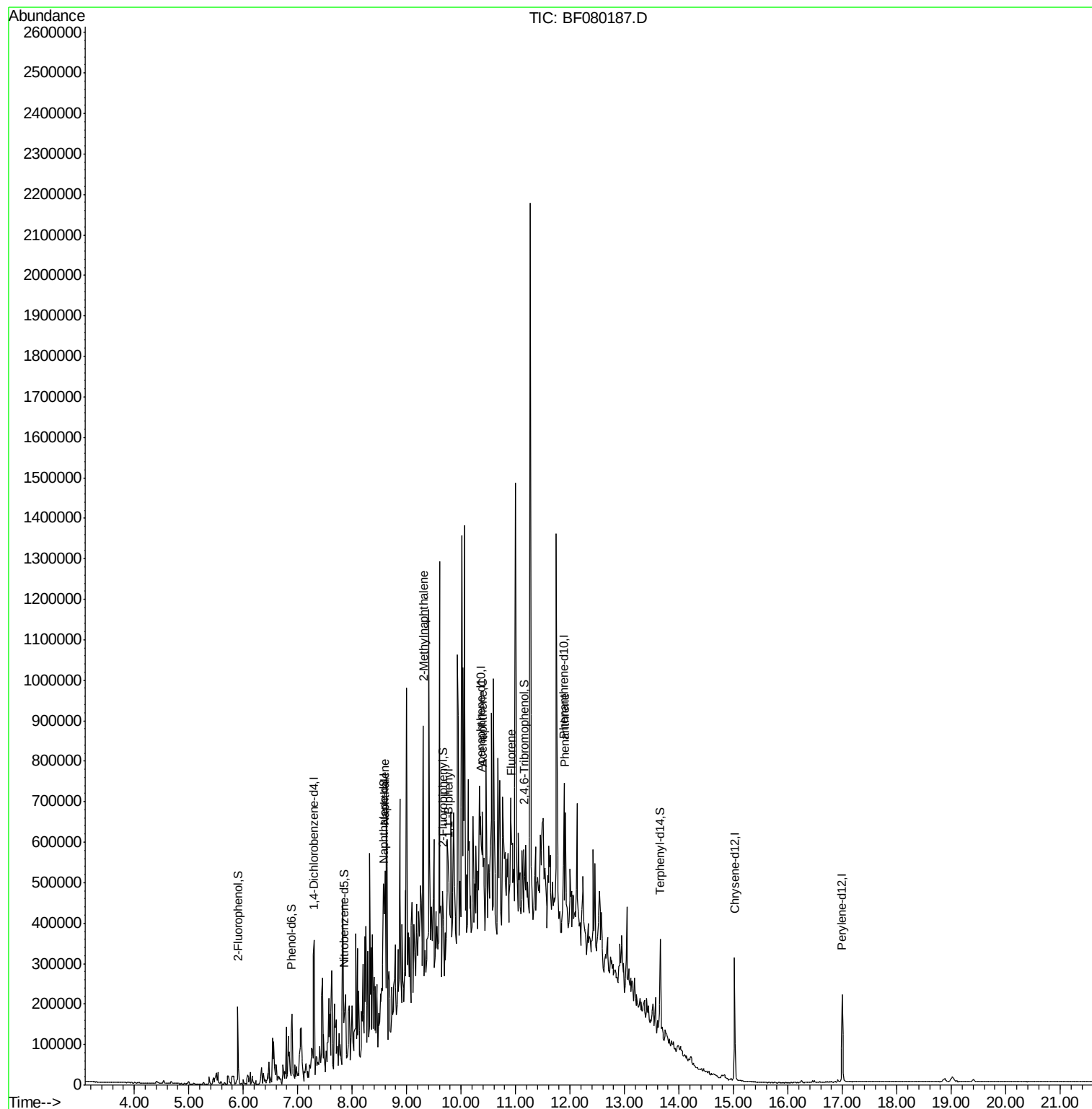
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062615\
Data File : BF080187.D
Acq On : 26 Jun 2015 11:13
Operator : TP/IZ
Sample : G2658-02DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

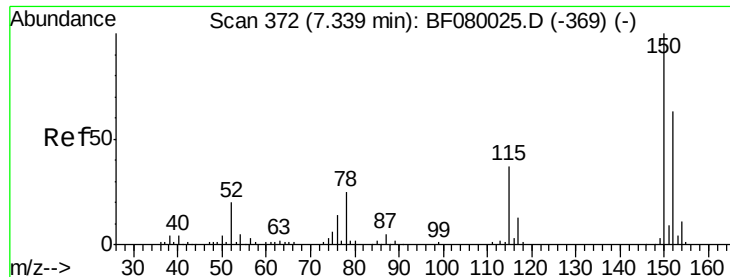
Instrument :
BNA_F
ClientSampleId :
GP2(7.5)DL

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#1

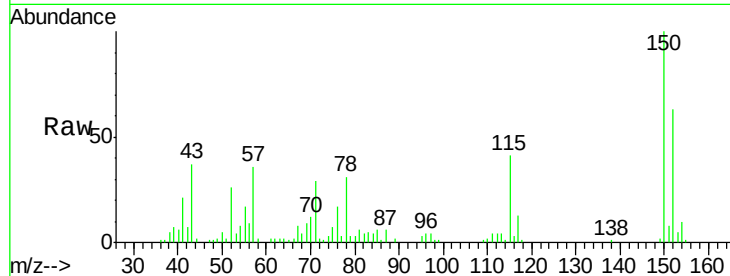
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 368
Delta R.T. 0.00 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Instrument :
BNA_F
ClientSampleId :
GP2(7.5)DL

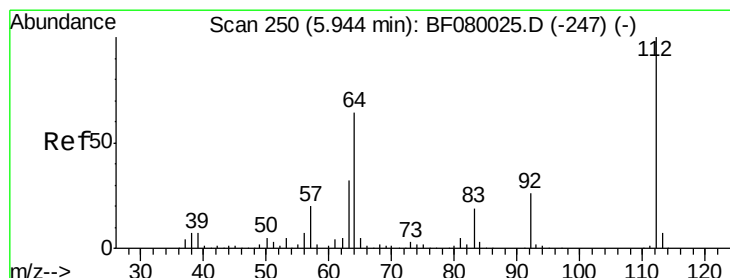
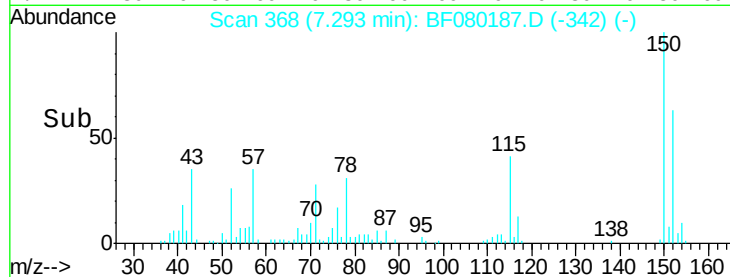
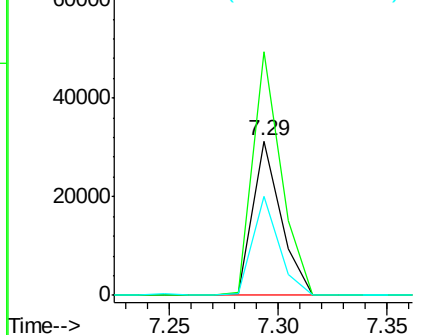
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.7	187.1
115	64.1	39.0	58.4#

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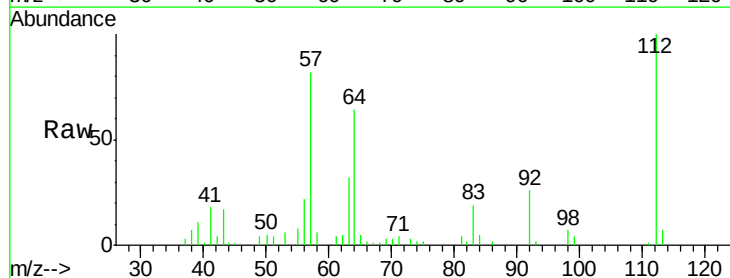
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



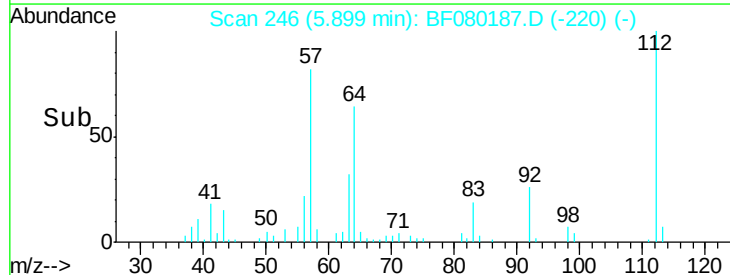
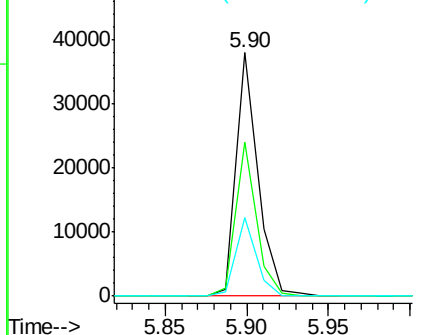
#5

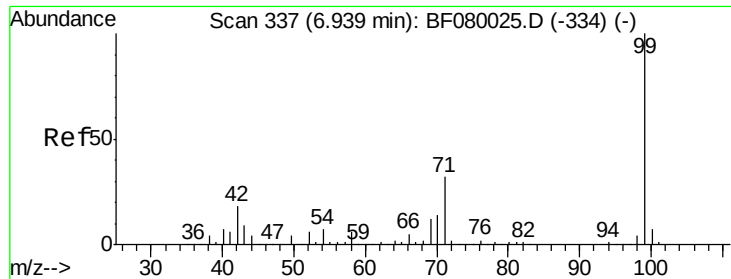
2-Fluorophenol
Concen: 21.82 ng
RT: 5.90 min Scan# 246
Delta R.T. 0.00 min
Lab File: BF080187.D
Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	39.7	59.5#
63	32.3	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: 23.65 ng

RT: 6.89 min Scan# 333

Delta R.T. 0.00 min

Lab File: BF080187.D

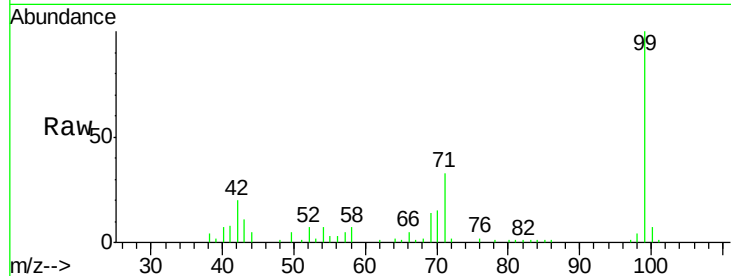
Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

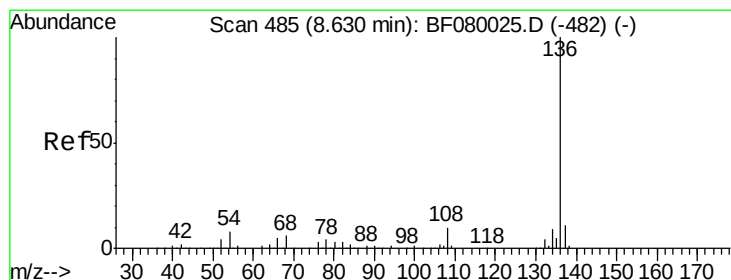
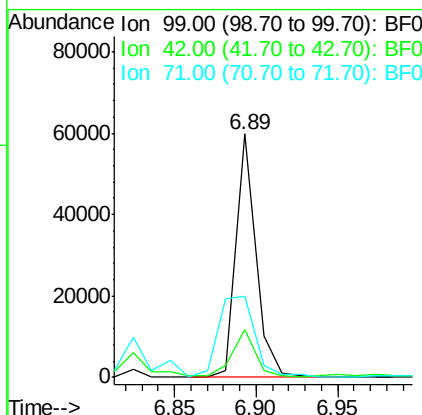
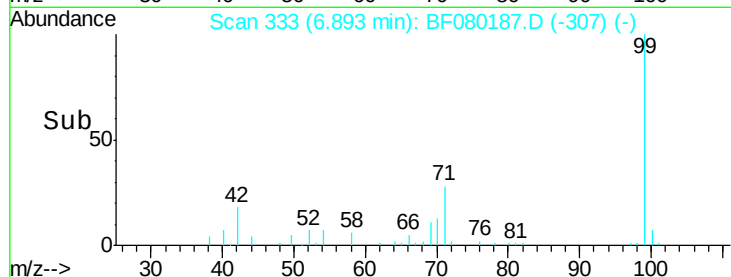
GP2(7.5)DL



Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.7	20.5
71	33.4	14.2	21.2

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#21

Naphthalene-d8

Concen: 20.00 ng

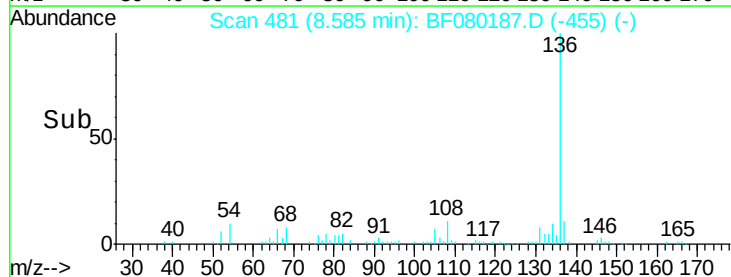
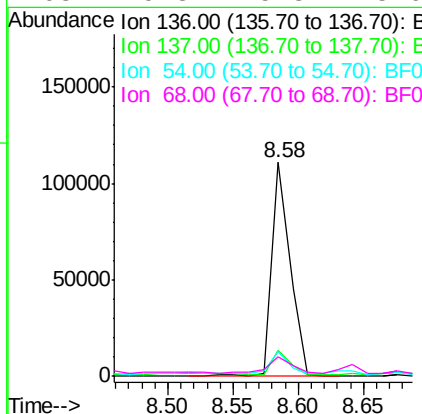
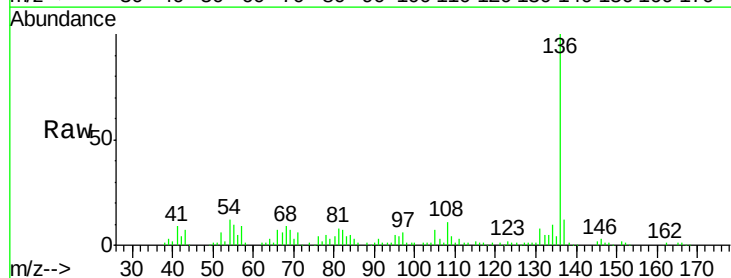
RT: 8.58 min Scan# 481

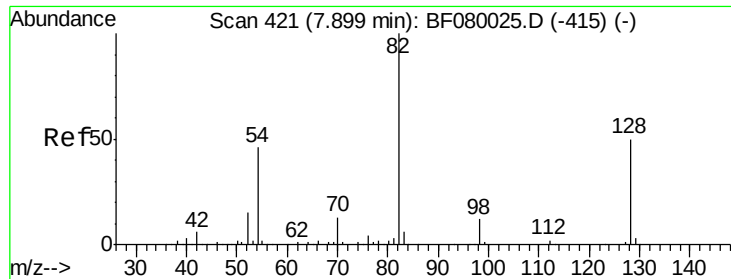
Delta R.T. 0.00 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	11.5	8.2	12.2
68	9.3	5.8	8.6





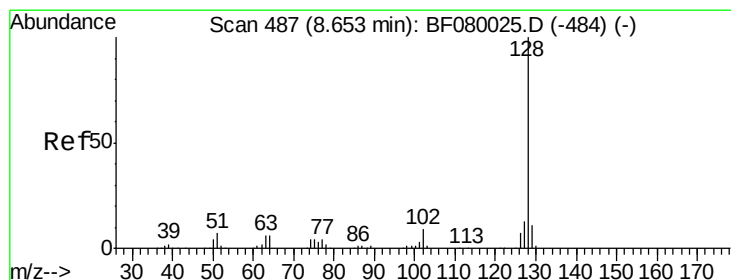
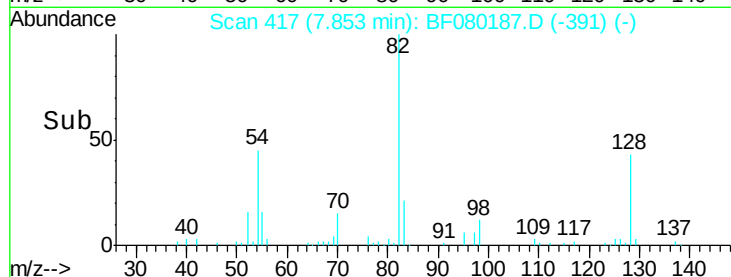
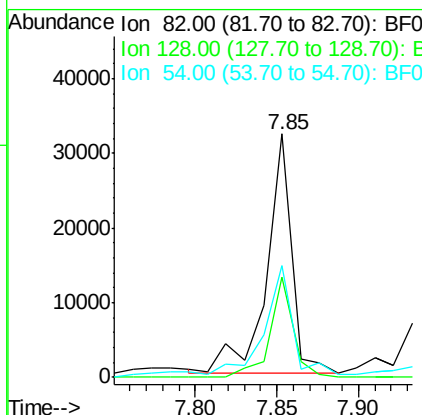
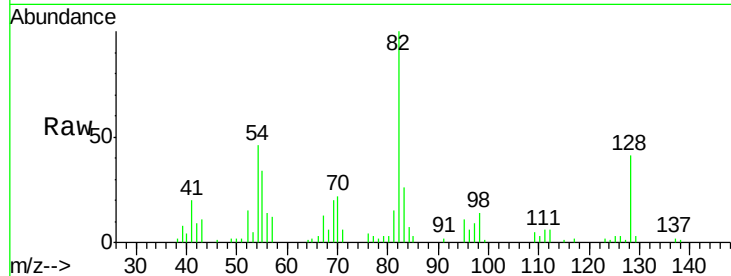
#23
 Nitrobenzene-d5
 Concen: 18.21 ng
 RT: 7.85 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Instrument :
 BNA_F
 ClientSampled :
 GP2(7.5)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.1	51.0	76.6#
54	45.8	47.5	71.3#

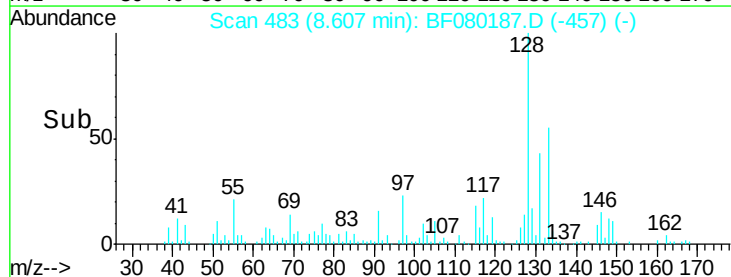
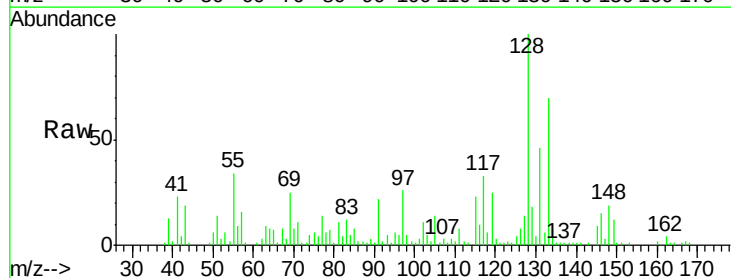
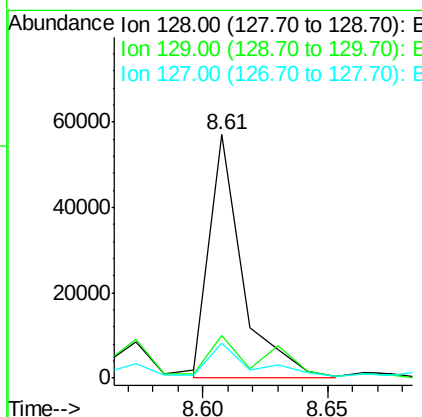
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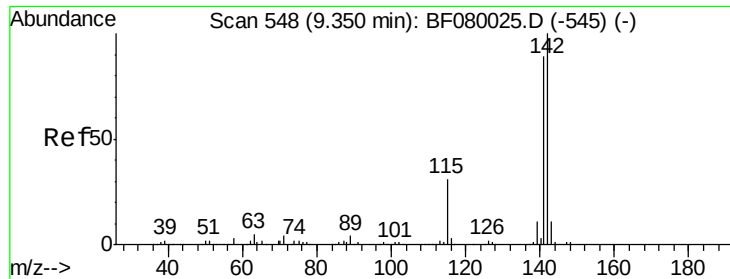
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#31
 Naphthalene
 Concen: 9.32 ng m
 RT: 8.61 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.7	8.4	12.6#
127	14.1	9.9	14.9





#37

2-Methylnaphthalene

Concen: 44.40 ng

RT: 9.30 min Scan# 544

Delta R.T. 0.00 min

Lab File: BF080187.D

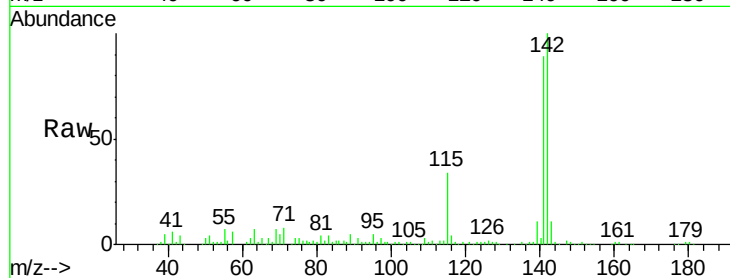
Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

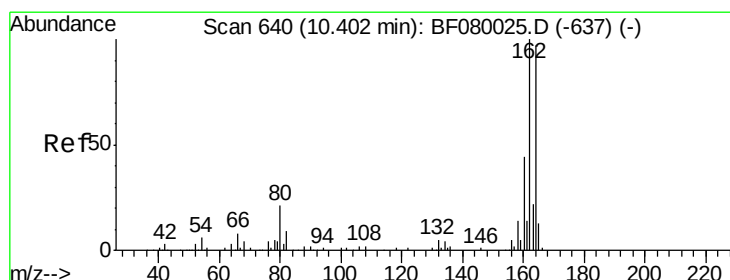
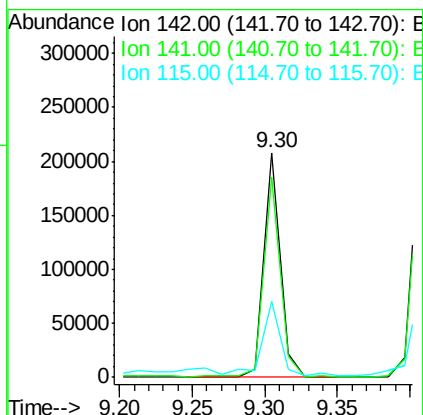
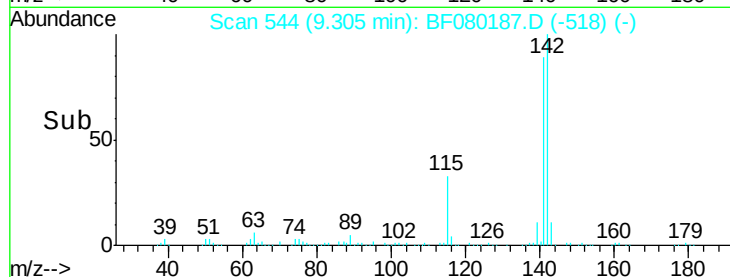
GP2(7.5)DL



Tgt Ion:	142	Resp:	164325
Ion Ratio	Lower	Upper	
142	100		
141	89.1	67.5	101.3
115	33.8	18.2	27.2#

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#38

Acenaphthene-d10

Concen: 20.00 ng

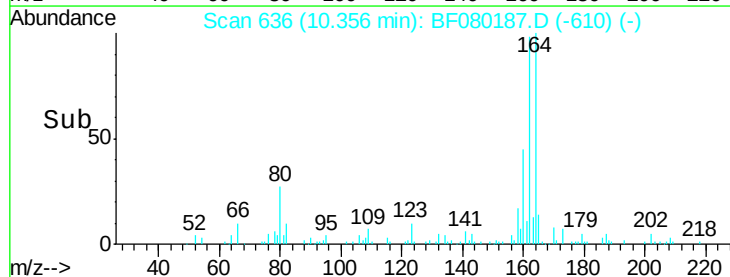
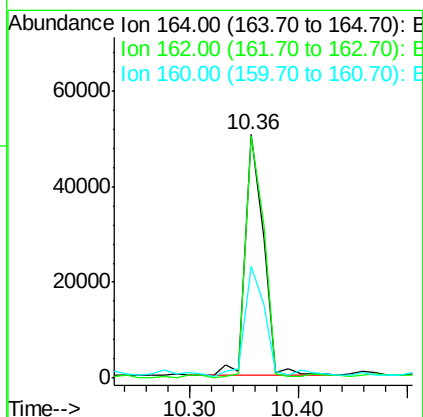
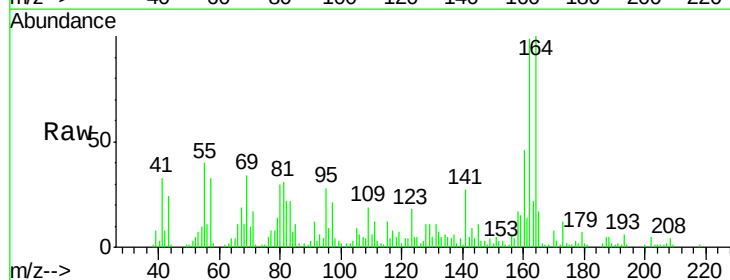
RT: 10.36 min Scan# 636

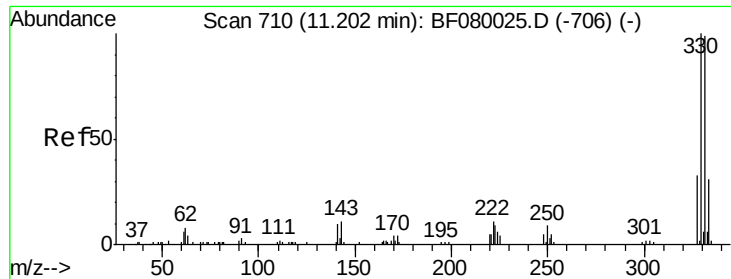
Delta R.T. 0.00 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Tgt Ion:	164	Resp:	58566
Ion Ratio	Lower	Upper	
164	100		
162	99.3	75.2	112.8
160	45.7	31.5	47.3





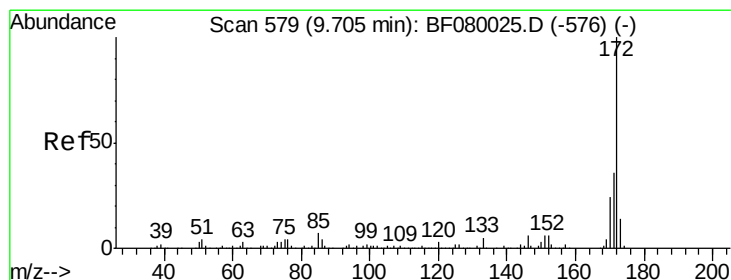
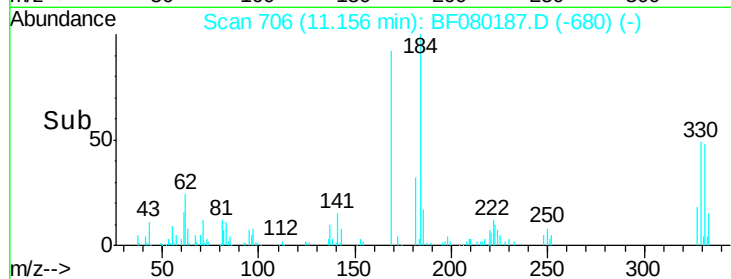
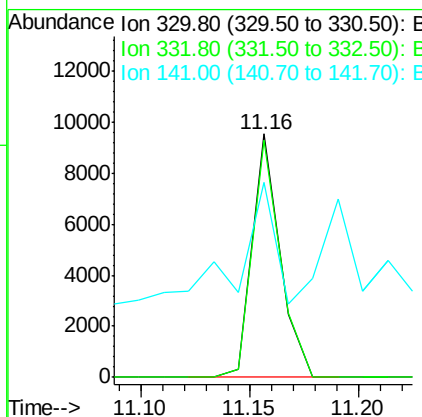
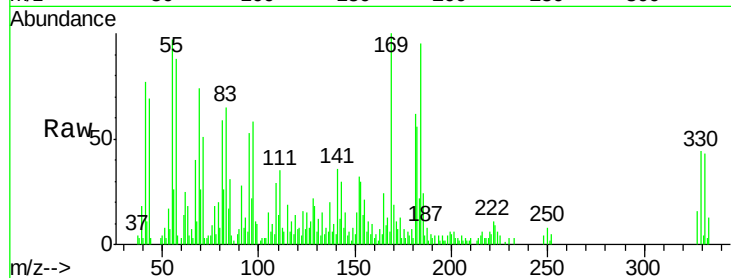
#41
 2,4,6-Tribromophenol
 Concen: 14.81 ng
 RT: 11.16 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Instrument :
 BNA_F
 ClientSampleId :
 GP2(7.5)DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	114.8
141	63.5	29.7	44.5#

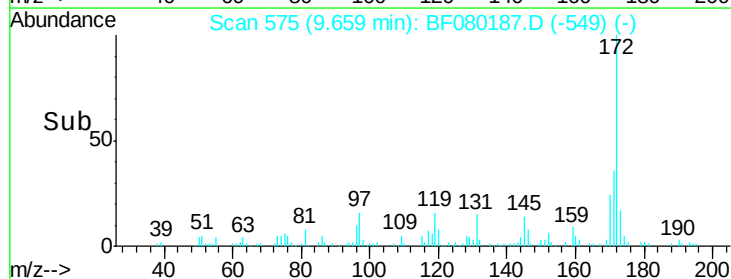
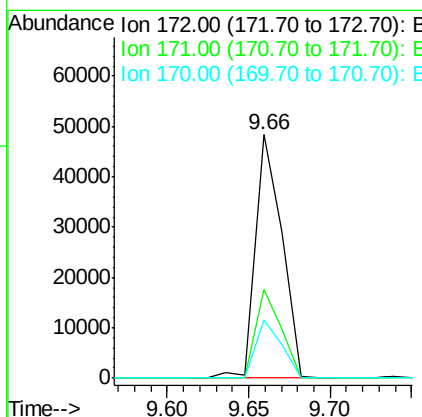
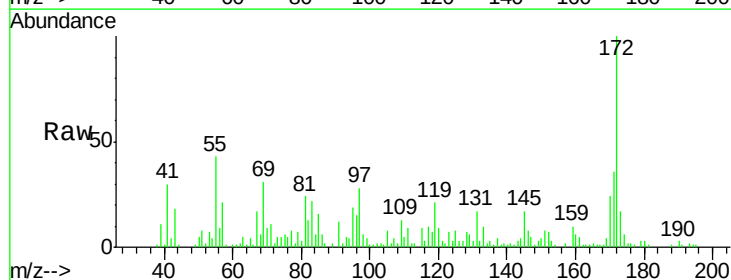
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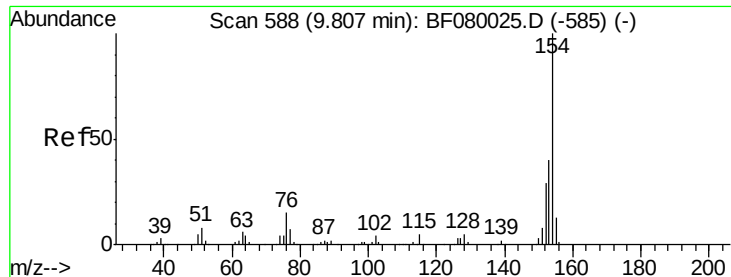
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#44
 2-Fluorobiphenyl
 Concen: 13.28 ng
 RT: 9.66 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	26.1	39.1
170	23.8	17.4	26.2





#45

1,1'-Biphenyl

Concen: 10.09 ng

RT: 9.77 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

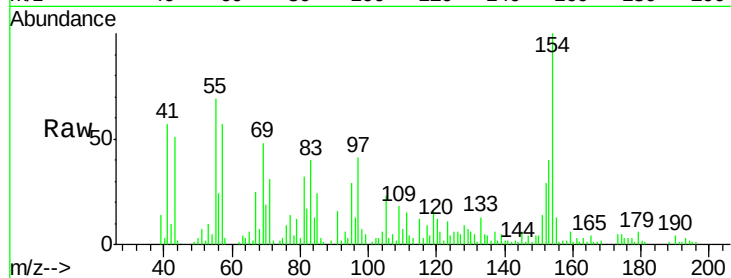
ClientSampleId :

GP2(7.5)DL

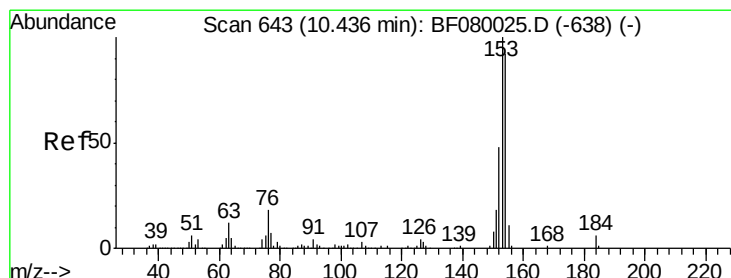
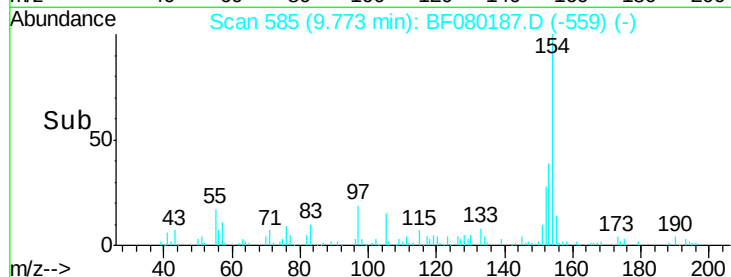
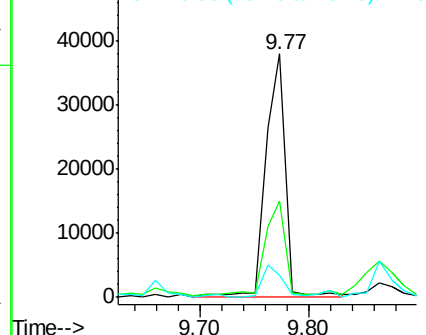
Tgt Ion:	154	Resp:	48083
Ion Ratio	Lower	Upper	
154	100		
153	39.9	17.1	57.1
76	8.9	0.0	31.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 3.74 ng

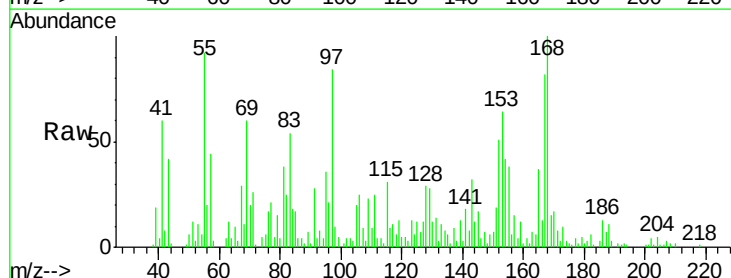
RT: 10.39 min Scan# 639

Delta R.T. 0.00 min

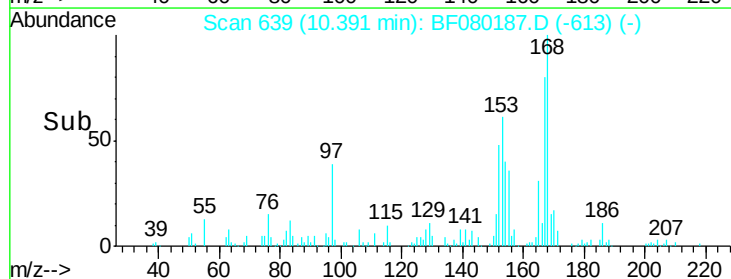
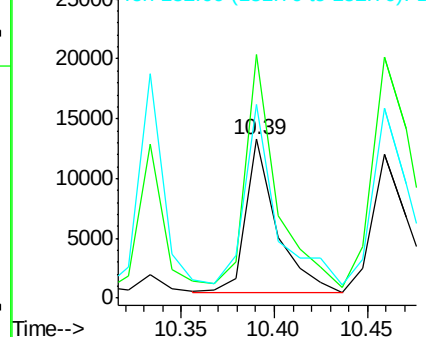
Lab File: BF080187.D

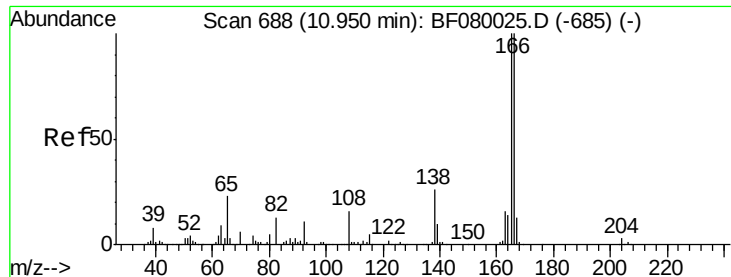
Acq: 26 Jun 2015 11:13

Tgt Ion:	154	Resp:	14775
Ion Ratio	Lower	Upper	
154	100		
153	153.2	82.1	123.1#
152	121.8	37.9	56.9#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 7.85 ng

RT: 10.92 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

GP2(7.5)DL

Tgt Ion:166 Resp: 34879

Ion Ratio Lower Upper

166 100

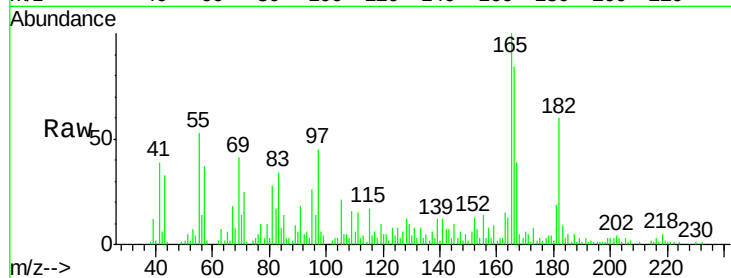
165 118.8 72.6 109.0#

167 46.7 10.6 16.0#

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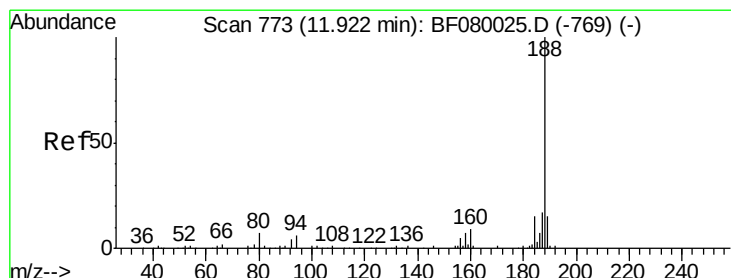
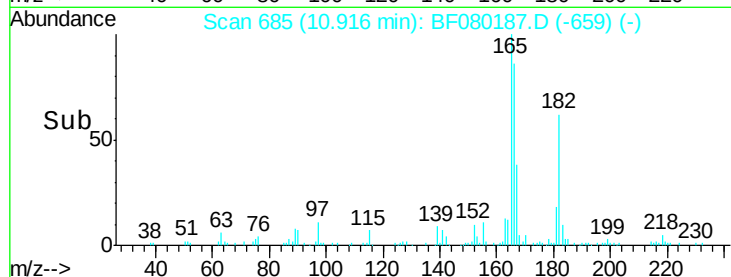
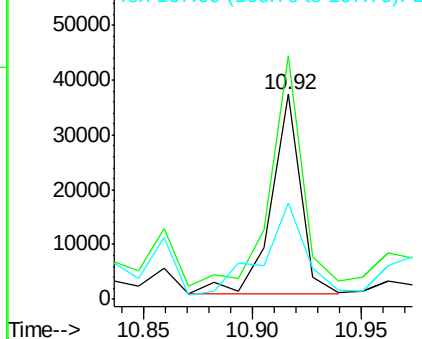
6/29/2015 11:32:44 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.89 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

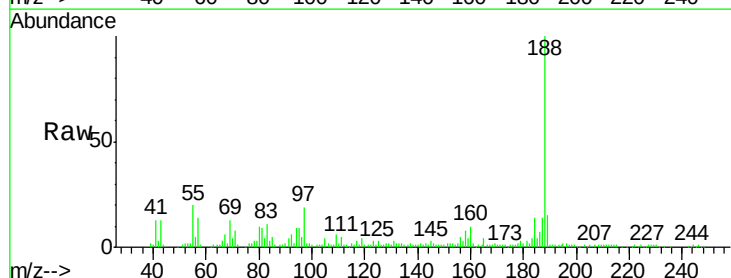
Tgt Ion:188 Resp: 120220

Ion Ratio Lower Upper

188 100

94 8.8 11.1 16.7#

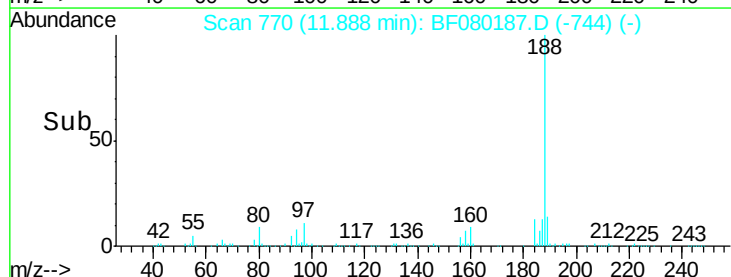
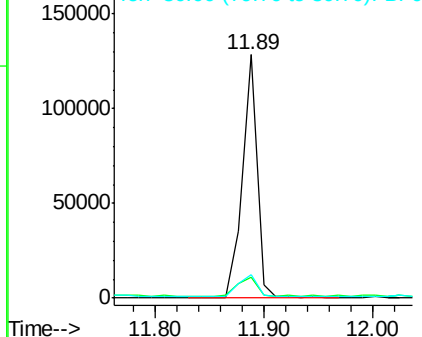
80 9.8 11.0 16.4#

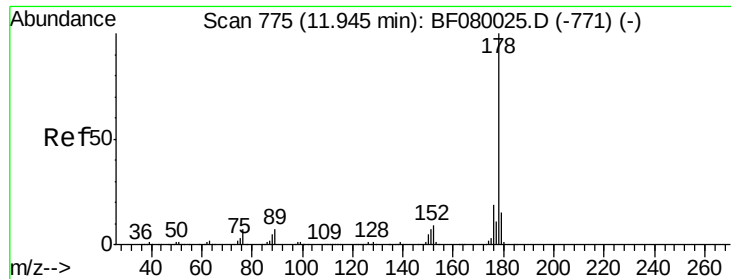


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 16.18 ng

RT: 11.91 min Scan# 772

Delta R.T. 0.00 min

Lab File: BF080187.D

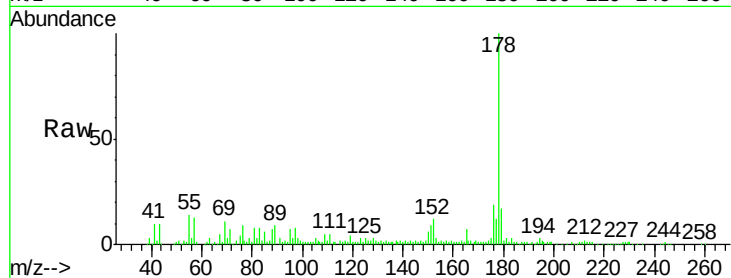
Acq: 26 Jun 2015 11:13

Instrument :

BNA_F

ClientSampleId :

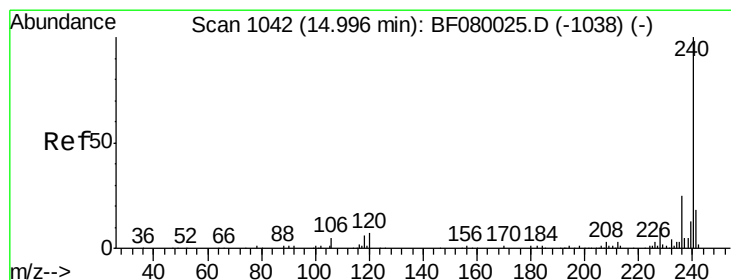
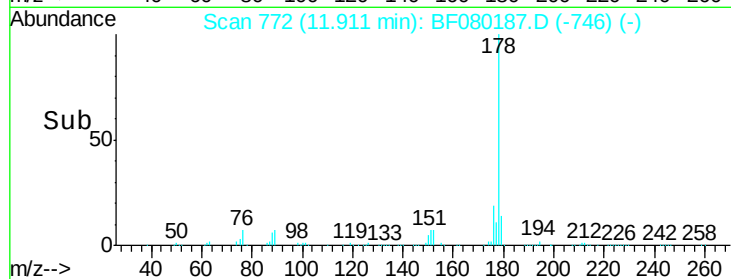
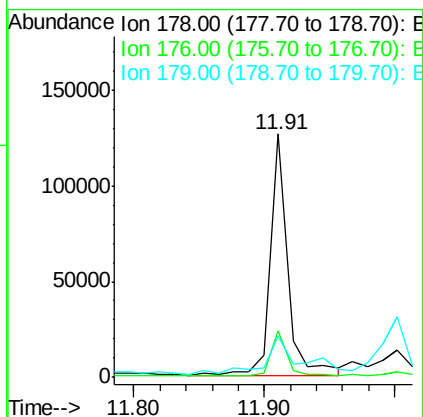
GP2(7.5)DL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	13.8	20.8
179	17.2	12.2	18.2

Manual Integrations
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apatel
6/29/2015 11:32:44 AM



#75

Chrysene-d12

Concen: 20.00 ng

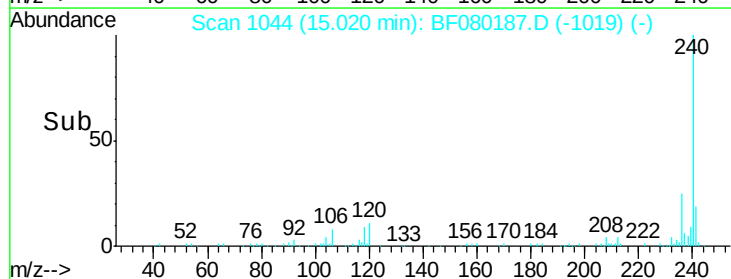
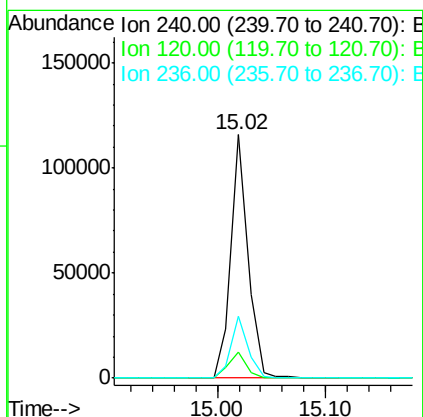
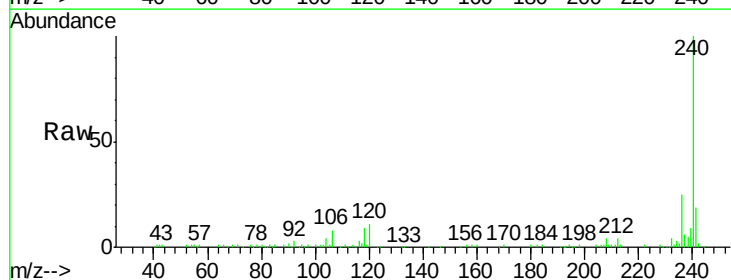
RT: 15.02 min Scan# 1044

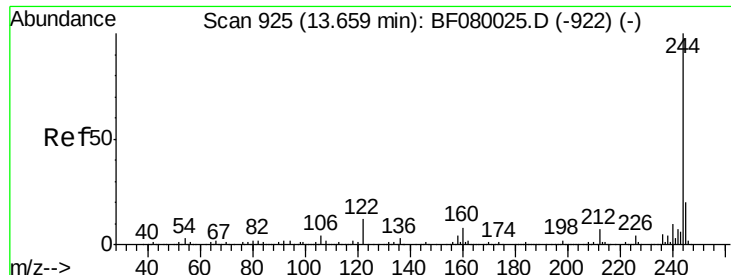
Delta R.T. -0.01 min

Lab File: BF080187.D

Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	16.2	24.2#
236	25.2	18.4	27.6





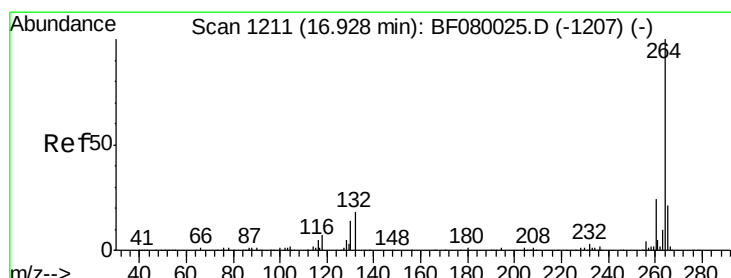
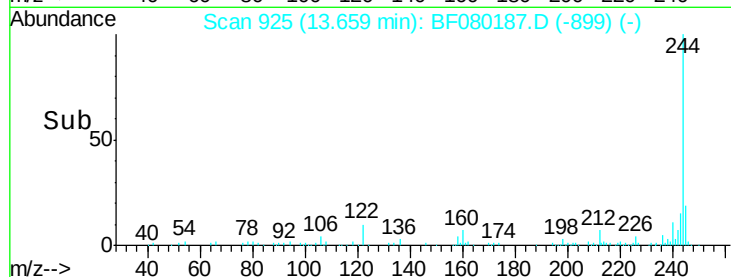
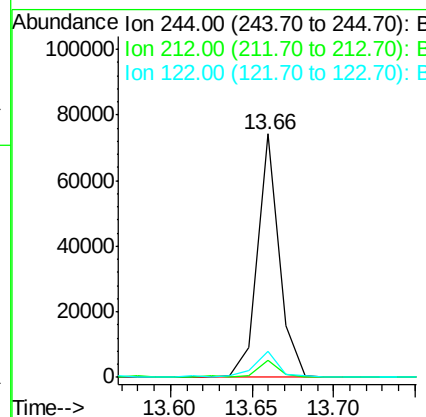
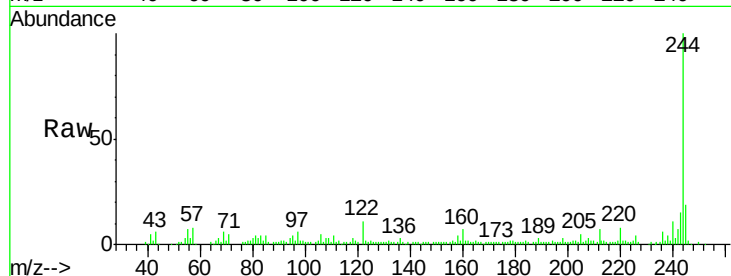
#78
 Terphenyl-d14
 Concen: 12.69 ng
 RT: 13.66 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Instrument :
 BNA_F
 ClientSampleId :
 GP2(7.5)DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	4.3	6.5#
122	10.9	17.4	26.2#

Manual Integrations
 APPROVED

apatel
 6/29/2015 11:32:44 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.00 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: BF080187.D
 Acq: 26 Jun 2015 11:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	16.7	25.1
265	21.3	17.2	25.8

