

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
 Data File : BF082276.D
 Acq On : 14 Oct 2015 13:35
 Operator : UM/IZ
 Sample : G3997-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27DL

Manual Integrations
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MMdadoda
 10/15/2015 4:55:35 PM

Quant Time: Oct 15 02:15:08 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 01:42:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70707m	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	294953	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	153477	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	301131	20.00	ng	0.00
75) Chrysene-d12	14.10	240	289266	20.00	ng	-0.02
86) Perylene-d12	15.69	264	227323	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	89946	25.67	ng	0.00
7) Phenol-d6	6.45	99	120697	26.47	ng	-0.02
23) Nitrobenzene-d5	7.39	82	74850	17.04	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	33665	23.39	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	172005	18.59	ng	-0.01
78) Terphenyl-d14	12.97	244	186841	17.12	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	469737	36.74	ng	99
37) 2-Methylnaphthalene	8.82	142	289661m	32.68	ng	
45) 1,1'-Biphenyl	9.29	154	54445	4.65	ng	96
48) Acenaphthylene	9.73	152	69091	4.81	ng	# 91
49) Dimethylphthalate	9.59	163	42595	3.94	ng	98
51) Acenaphthene	9.91	154	201773	23.42	ng	100
57) Fluorene	10.42	166	215879m	22.22	ng	
70) Phenanthrene	11.39	178	1038336	70.35	ng	100
71) Anthracene	11.44	178	347235	22.83	ng	99
74) Fluoranthene	12.58	202	331407	20.90	ng	100
77) Pyrene	12.82	202	528505	30.79	ng	98
80) Benzo(a)anthracene	14.09	228	169775m	11.28	ng	
82) Chrysene	14.13	228	129970	8.20	ng	98
87) Benzo(b)fluoranthene	15.27	252	66803m	4.83	ng	
88) Benzo(k)fluoranthene	15.28	252	28324m	2.44	ng	
89) Benzo(a)pyrene	15.62	252	81794	6.88	ng	99

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

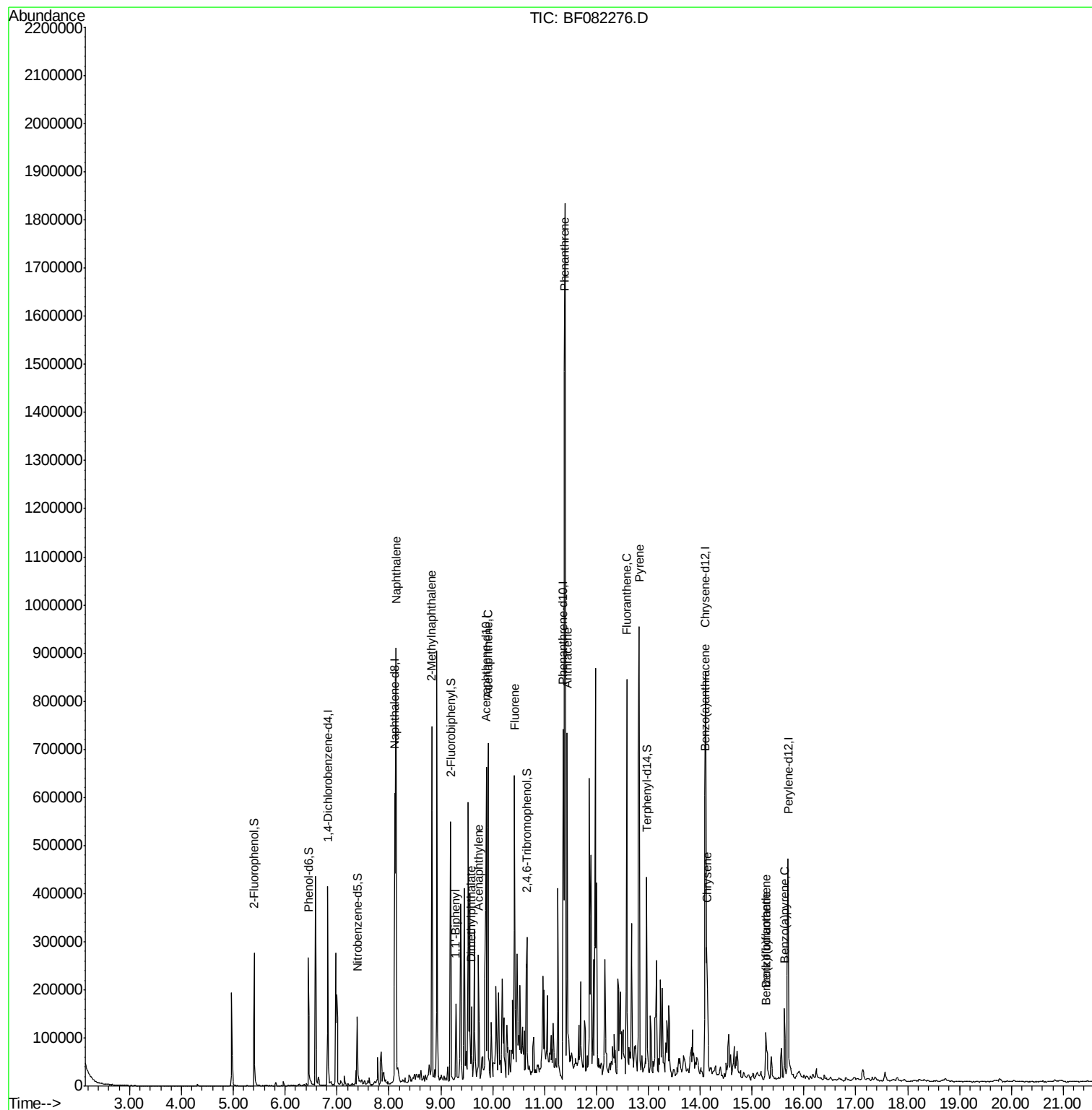
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101515\
Data File : BF082276.D
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Sample : G3997-01DL 5X
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ALS Vial : 3 Sample Multiplier: 1

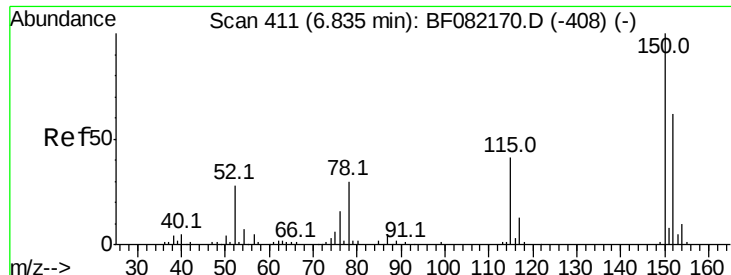
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
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#1

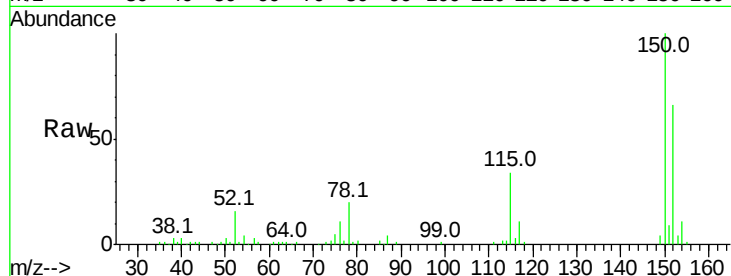
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.82 min Scan# 410
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	129.0	193.4
115	51.9	52.1	78.1#

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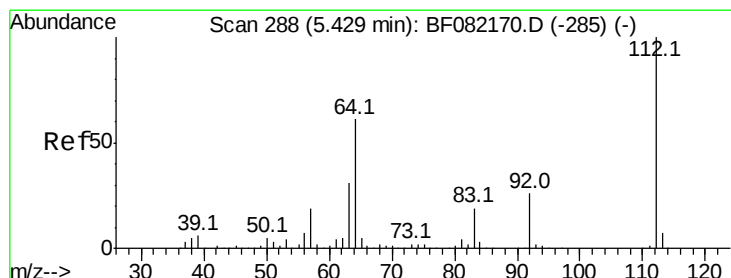
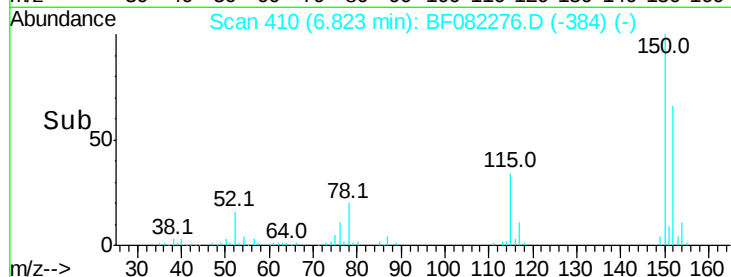
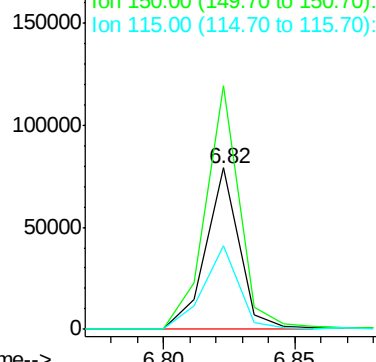


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

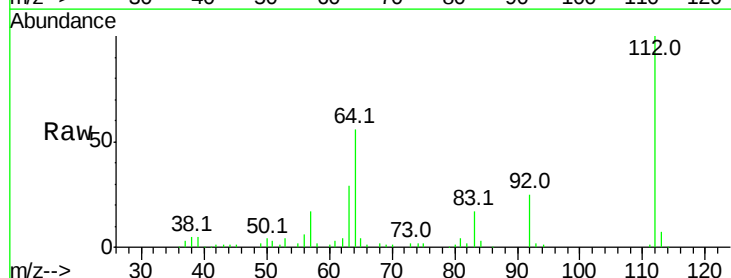
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.67 ng
RT: 5.41 min Scan# 286
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	48.6	73.0
63	29.2	25.1	37.7

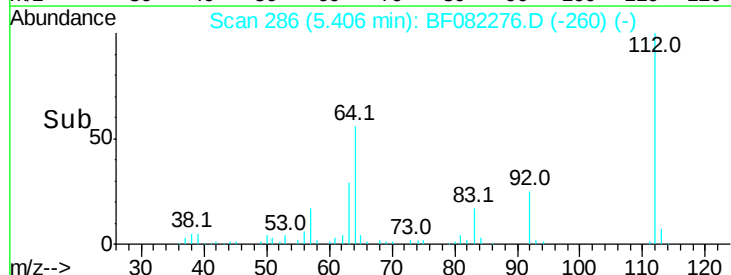
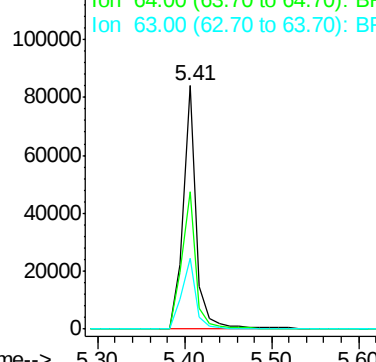


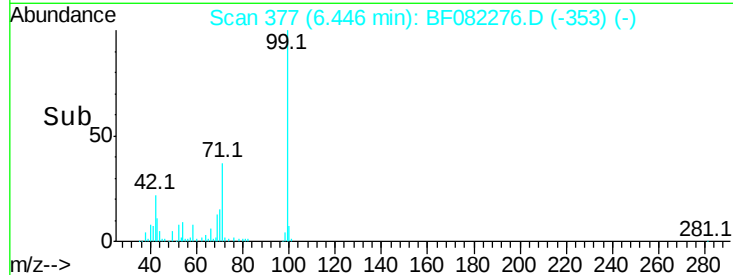
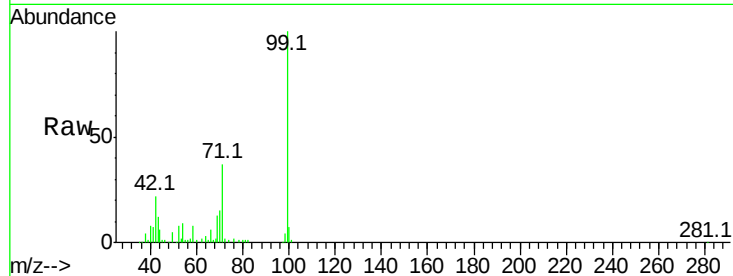
Abundance

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: 26.47 ng

RT: 6.45 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		120697		
42	22.2	13.2	19.8#		
71	37.2	25.6	38.4		

Instrument :

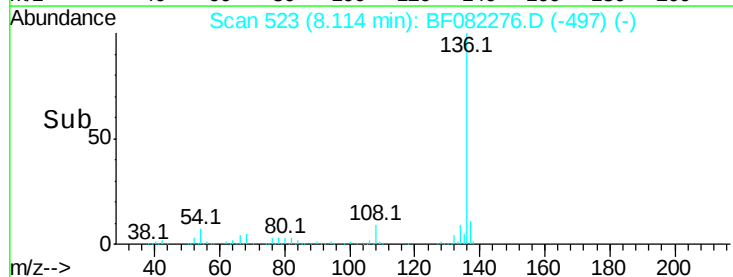
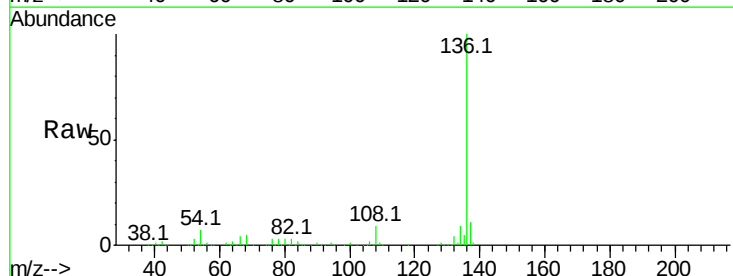
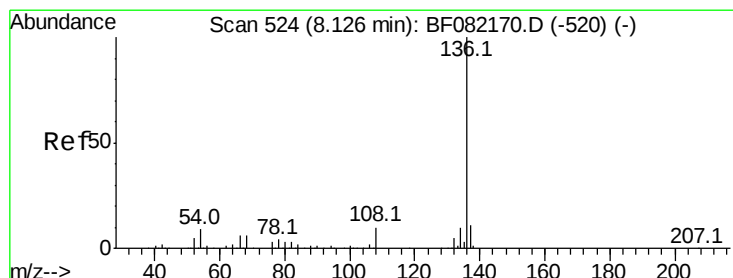
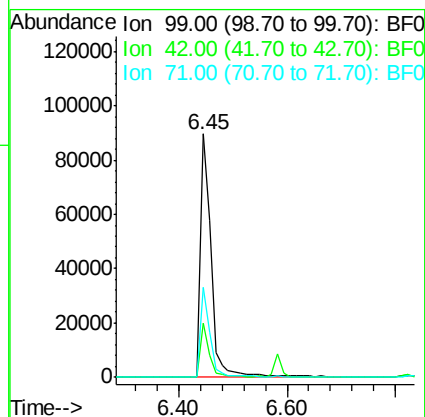
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

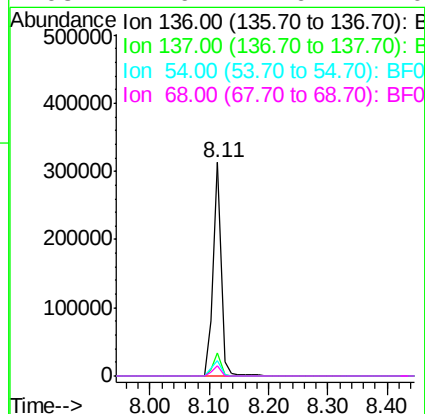
RT: 8.11 min Scan# 523

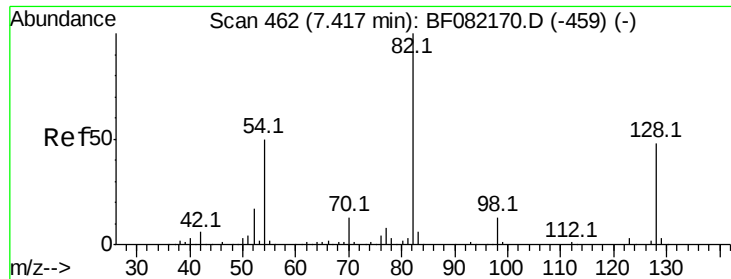
Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		294953		
137	10.8	9.0	13.6		
54	7.1	7.5	11.3#		
68	4.6	4.6	7.0#		





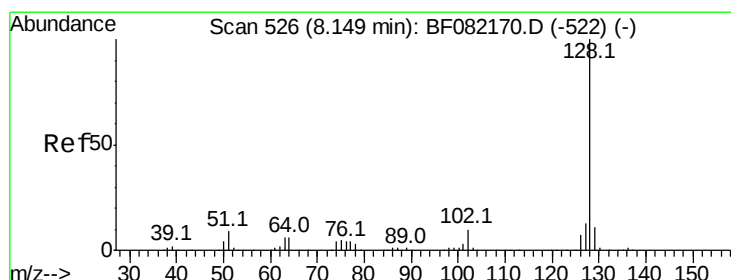
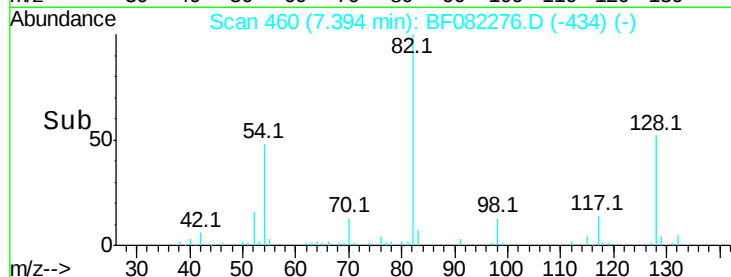
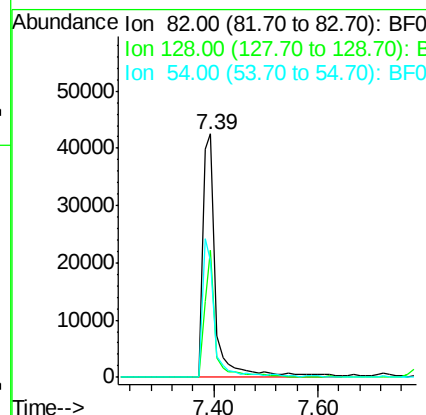
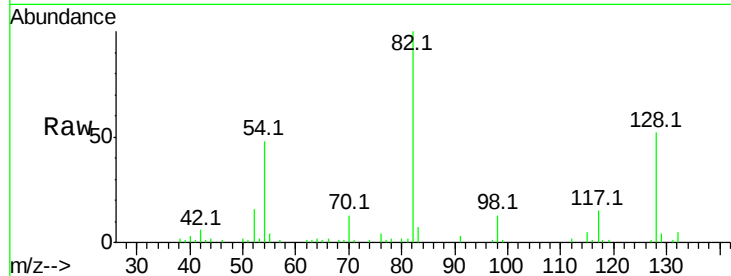
#23
Nitrobenzene-d5
Concen: 17.04 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion: 82 Resp: 74850
Ion Ratio Lower Upper
82 100
128 52.3 38.7 58.1
54 48.2 40.1 60.1

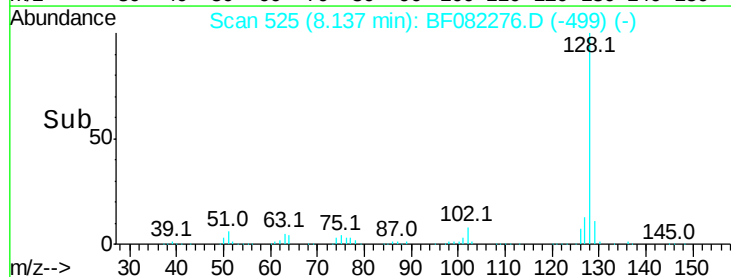
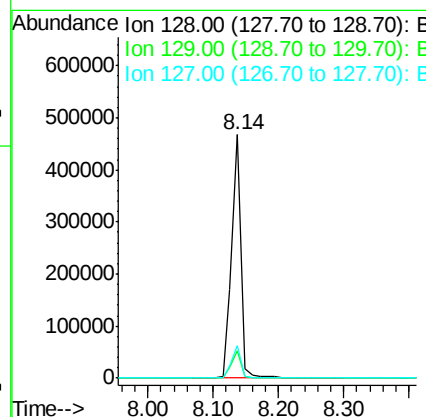
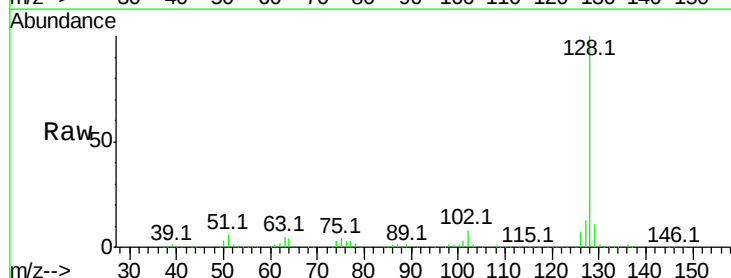
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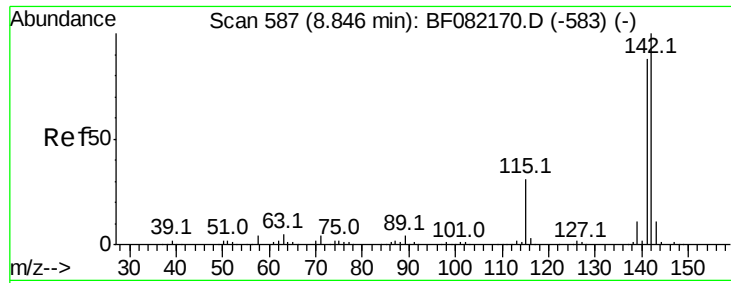
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#31
Naphthalene
Concen: 36.74 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion: 128 Resp: 469737
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.1 10.7 16.1





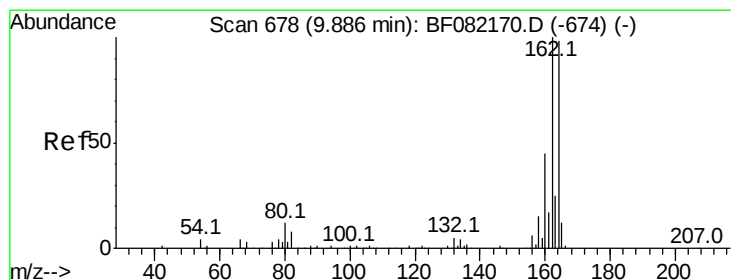
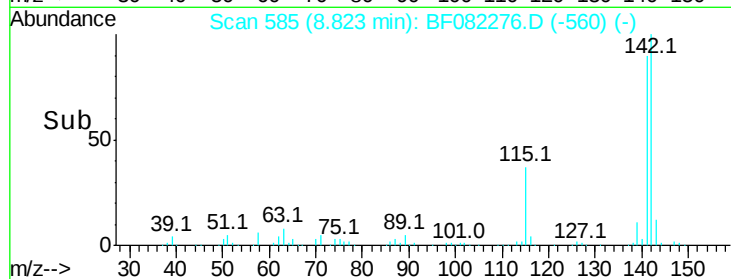
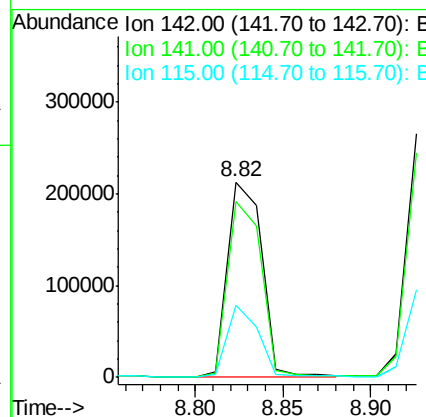
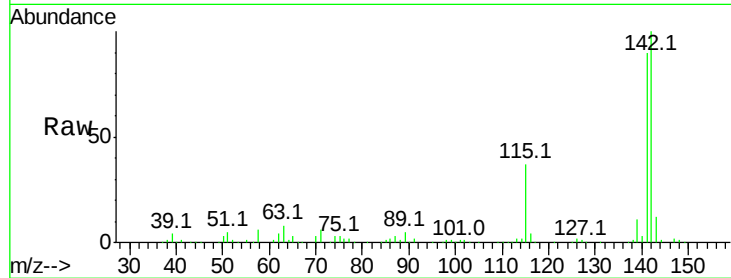
#37
2-Methylnaphthalene
Concen: 32.68 ng/mL
RT: 8.82 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	289661		
141	89.8	70.4	105.6	
115	37.0	24.6	37.0	

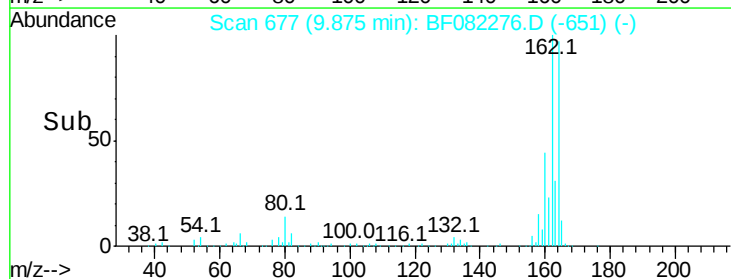
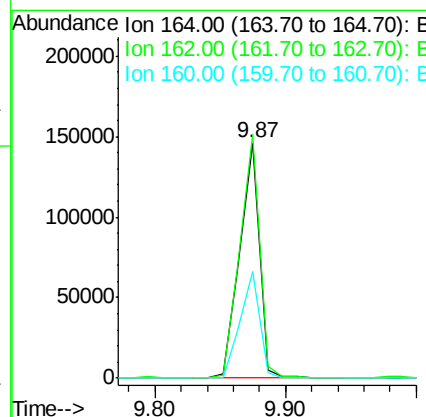
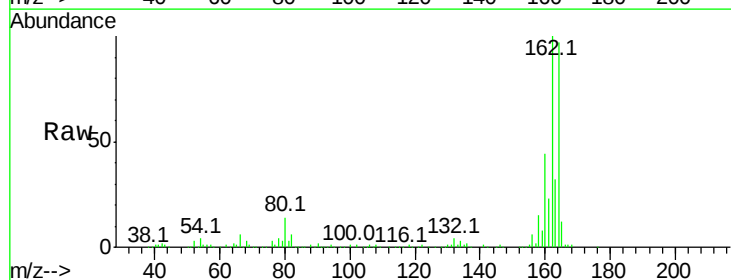
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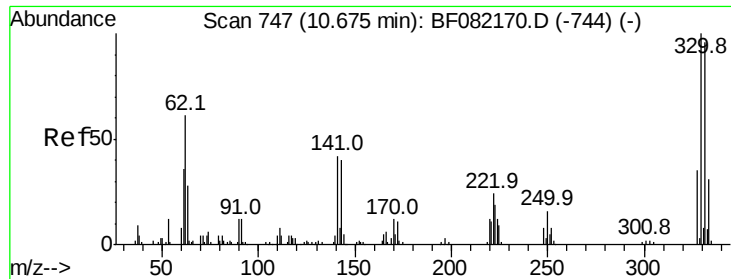
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#38
Acenaphthene-d10
Concen: 20.00 ng/mL
RT: 9.87 min Scan# 677
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	153477		
162	103.5	81.6	122.4	
160	45.3	36.4	54.6	





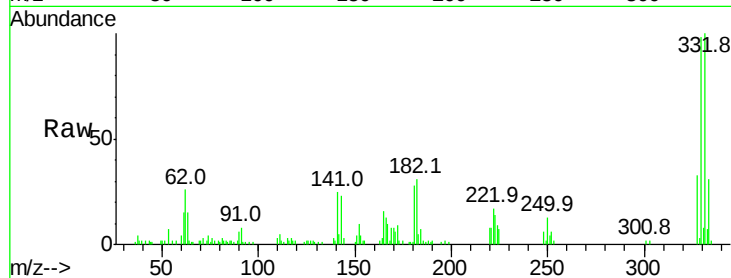
#41
 2,4,6-Tribromophenol
 Concen: 23.39 ng
 RT: 10.66 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Instrument :
 BNA_F
 ClientSampleId :
 MGP214BR-26-27DL

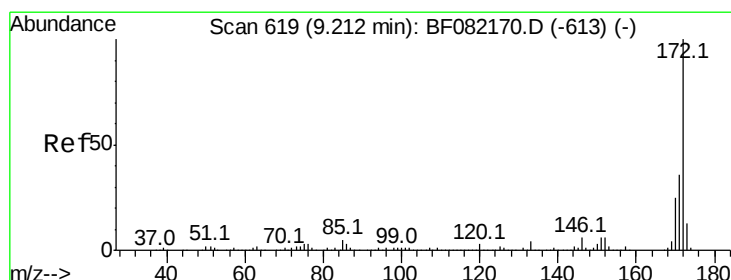
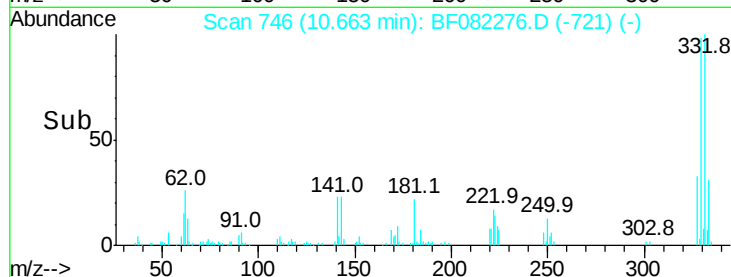
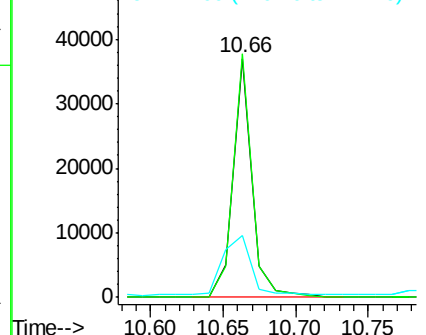
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.6	77.1	115.7	
141	37.5	29.8	44.8	

Manual Integrations
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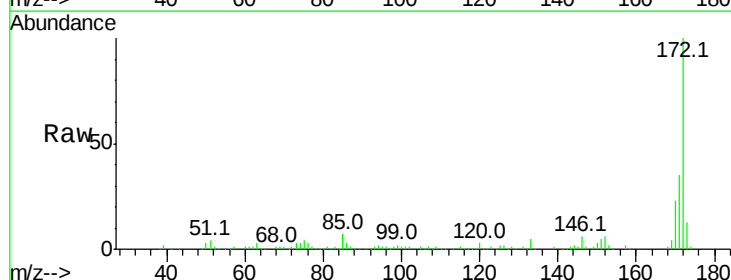


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

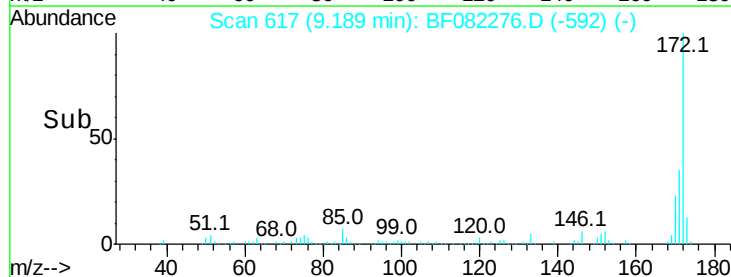
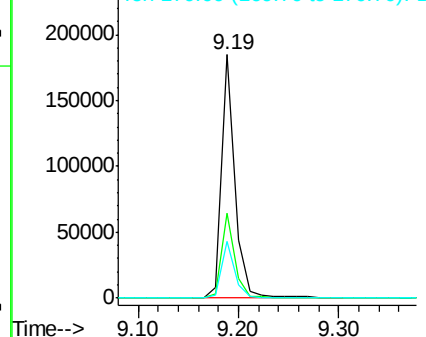


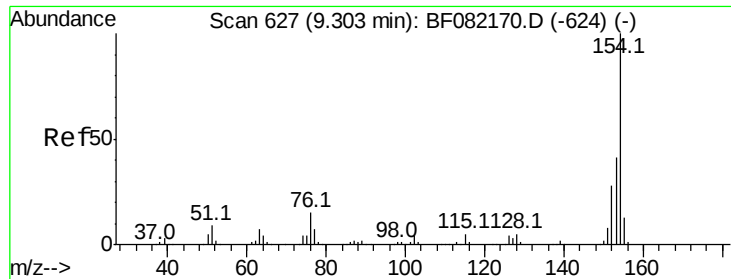
#44
 2-Fluorobiphenyl
 Concen: 18.59 ng
 RT: 9.19 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF082276.D
 Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	28.6	42.8	
170	23.2	19.7	29.5	



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





#45

1,1'-Biphenyl

Concen: 4.65 ng

RT: 9.29 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

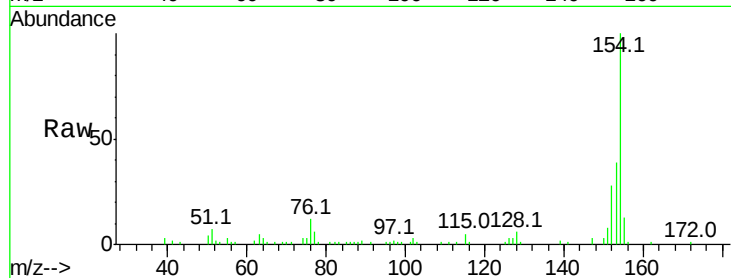
ClientSampleId :

MGP214BR-26-27DL

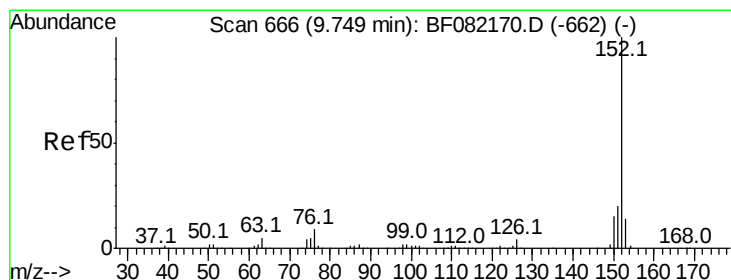
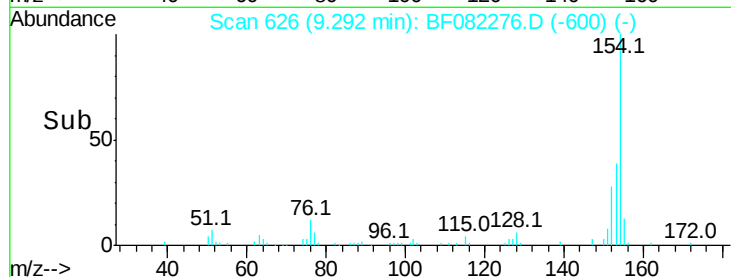
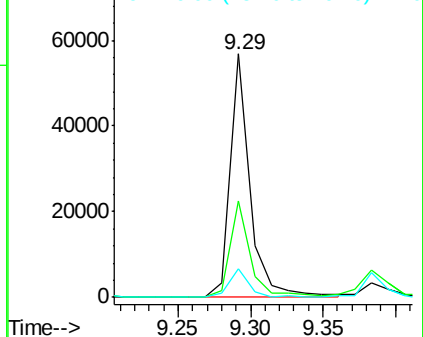
Tot Ion:	154	Resp:	54445
Ion Ratio	Lower	Upper	
154	100		
153	39.4	20.6	60.6
76	11.6	0.0	35.2

Manual Integrations
APPROVED

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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



#48

Acenaphthylene

Concen: 4.81 ng

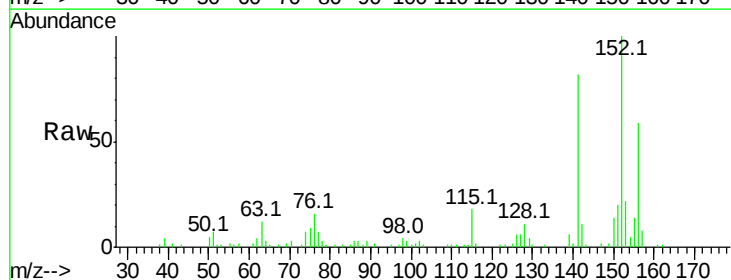
RT: 9.73 min Scan# 664

Delta R.T. -0.01 min

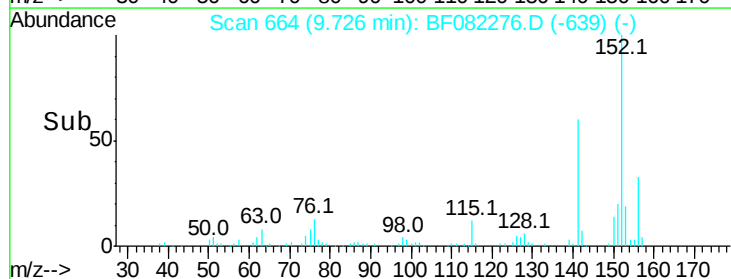
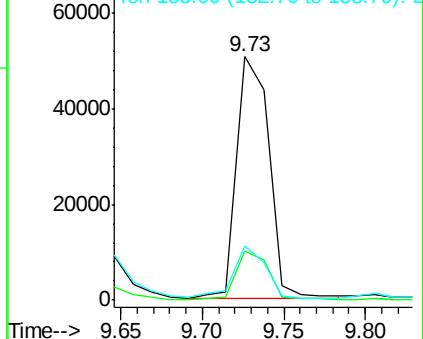
Lab File: BF082276.D

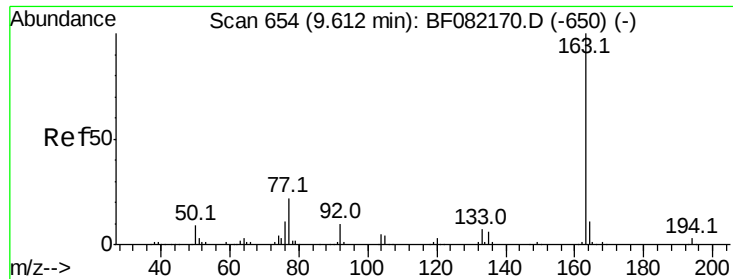
Acq: 14 Oct 2015 13:35

Tgt Ion:	152	Resp:	69091
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.4	24.6
153	22.1	10.8	16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





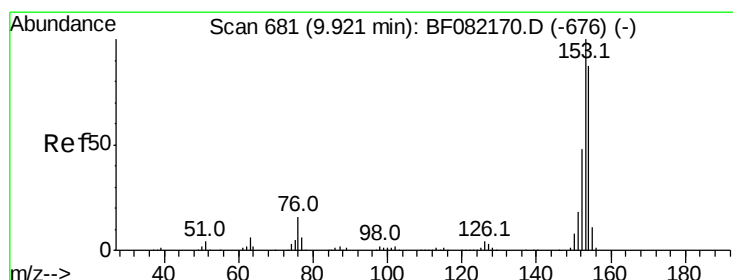
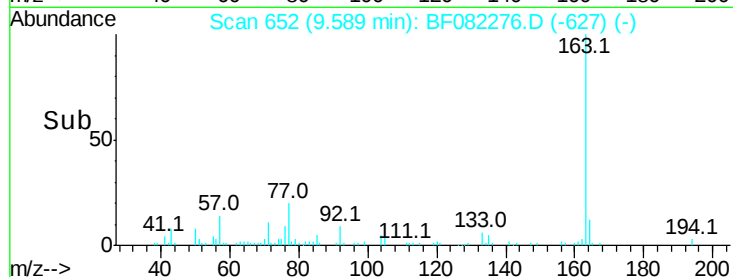
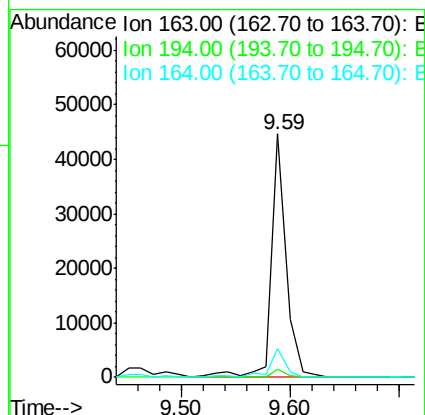
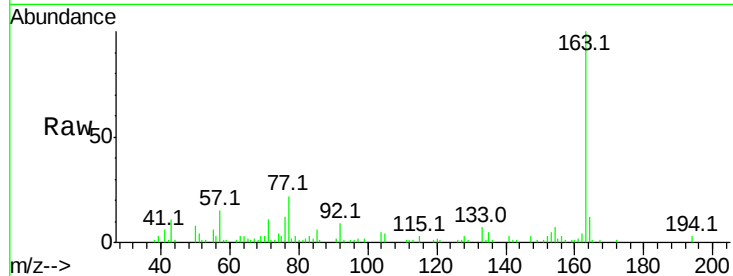
#49
Dimethylphthalate
Concen: 3.94 ng
RT: 9.59 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.6	4.0
164	11.6	8.5	12.7

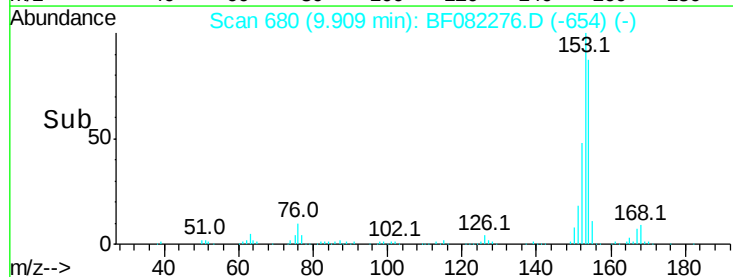
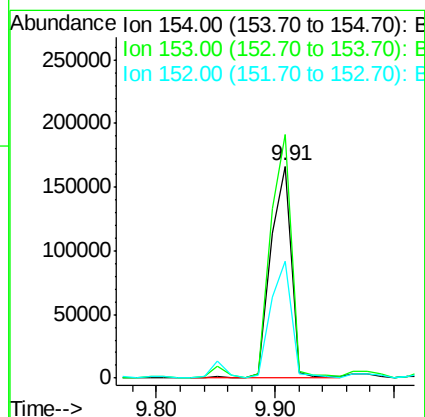
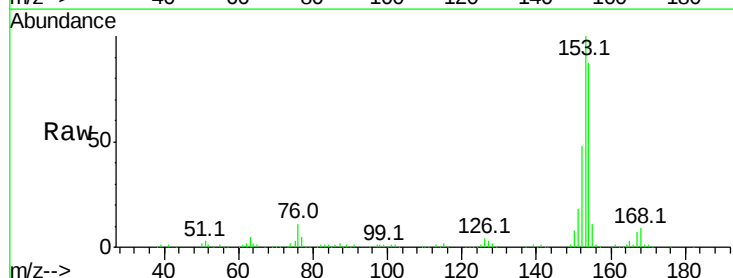
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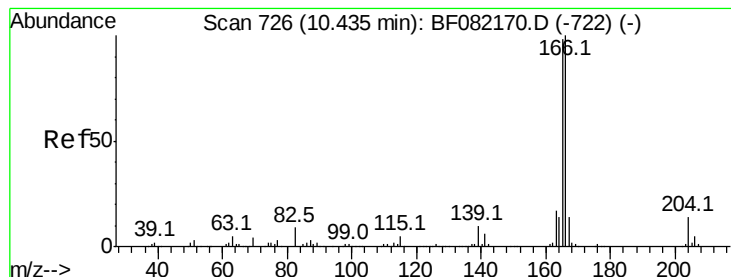
MMdadoda
10/15/2015 4:55:35 PM



#51
Acenaphthene
Concen: 23.42 ng
RT: 9.91 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	115.0	91.4	137.2
152	55.4	44.3	66.5





#57

Fluorene

Concen: 22.22 ng/mL

RT: 10.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

Tot Ion:166 Resp: 215879

Ion Ratio Lower Upper

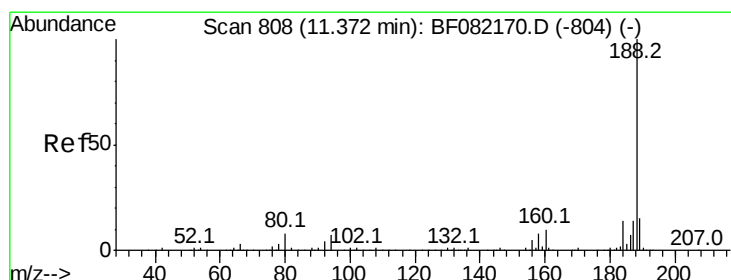
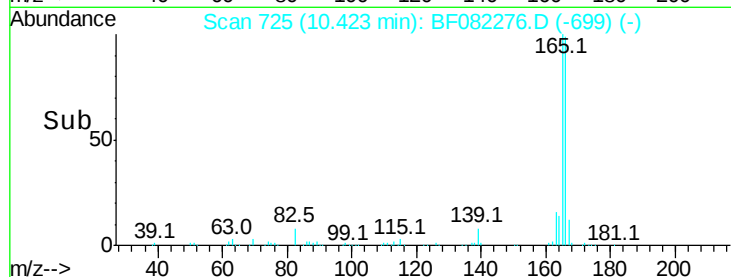
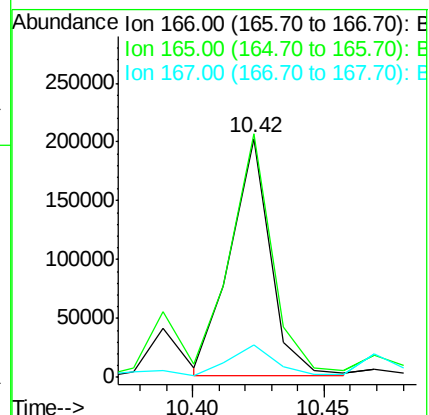
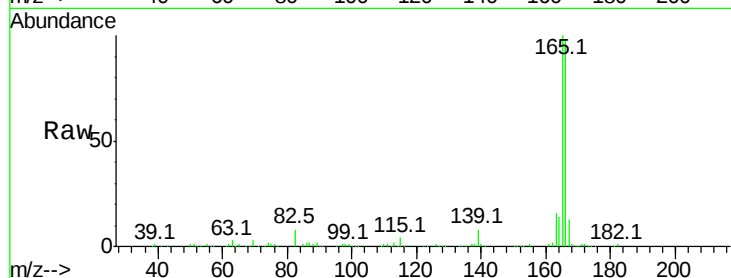
166 100

165 101.8 78.3 117.5

167 13.6 10.8 16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

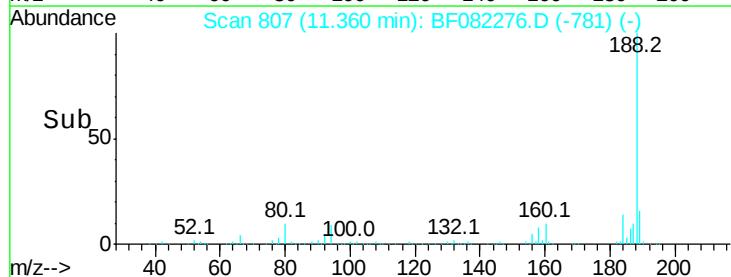
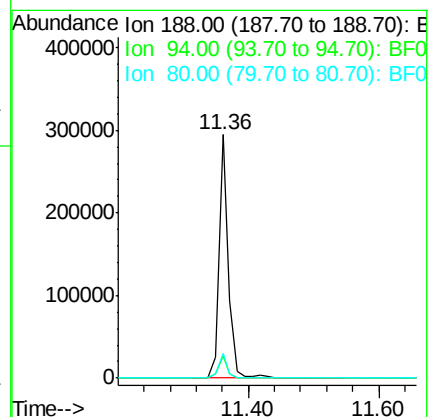
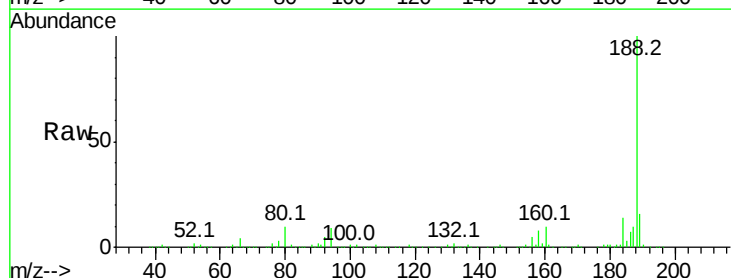
Tgt Ion:188 Resp: 301131

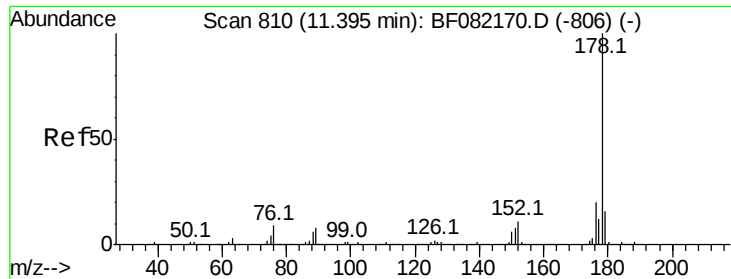
Ion Ratio Lower Upper

188 100

94 9.0 5.8 8.6#

80 10.3 6.4 9.6#





#70

Phenanthrene

Concen: 70.35 ng

RT: 11.39 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

ClientSampleId :

MGP214BR-26-27DL

Tot Ion:178 Resp: 1038336

Ion Ratio Lower Upper

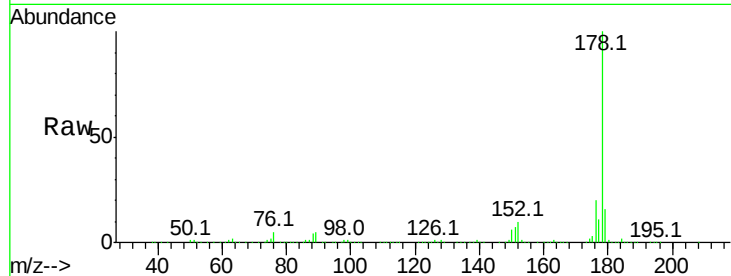
178 100

176 20.0 16.0 24.0

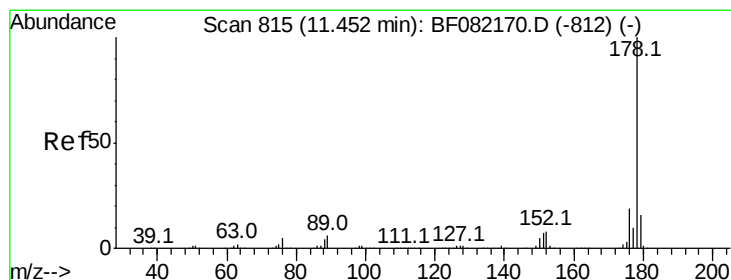
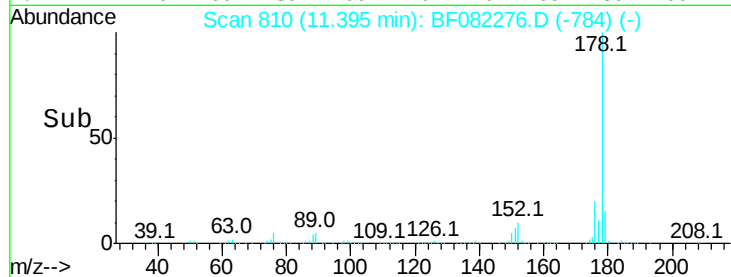
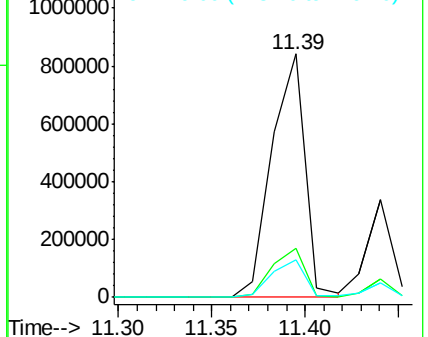
179 15.5 12.6 19.0

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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



#71

Anthracene

Concen: 22.83 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

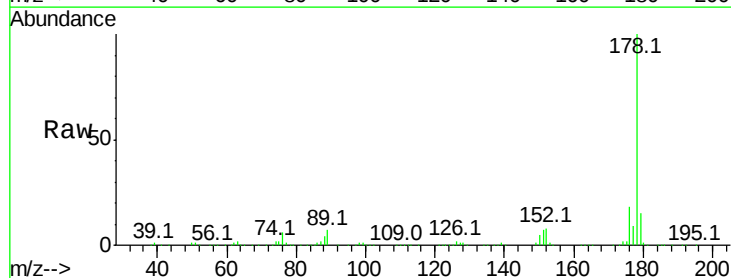
Tgt Ion:178 Resp: 347235

Ion Ratio Lower Upper

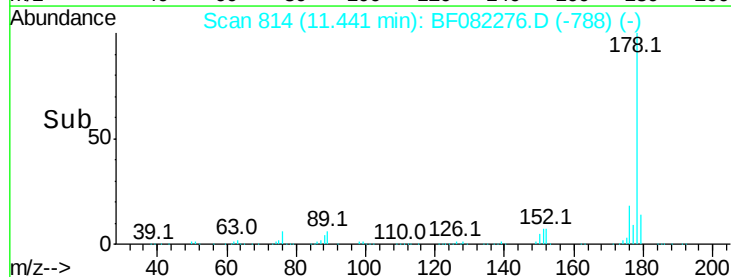
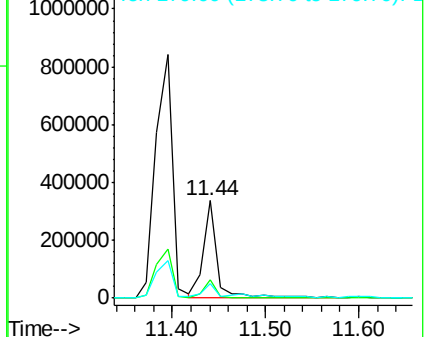
178 100

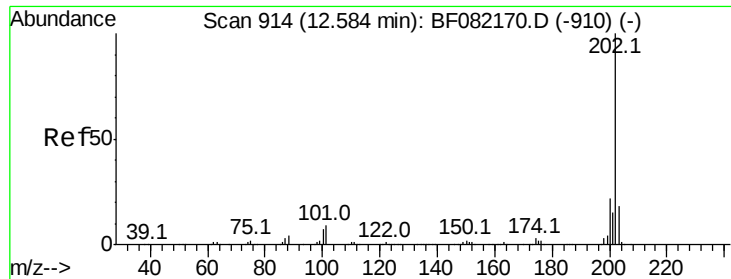
176 18.5 15.4 23.0

179 15.3 12.5 18.7



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: 20.90 ng

RT: 12.58 min Scan# 914

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

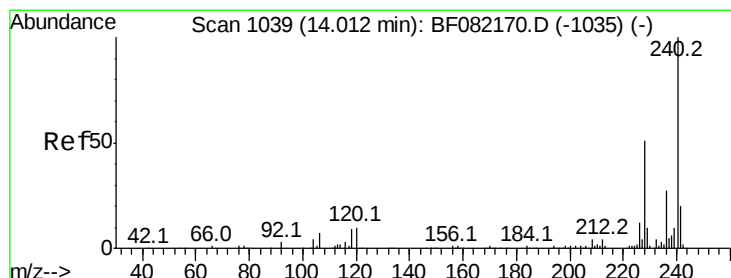
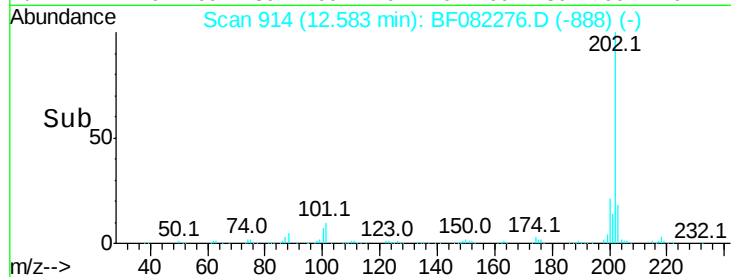
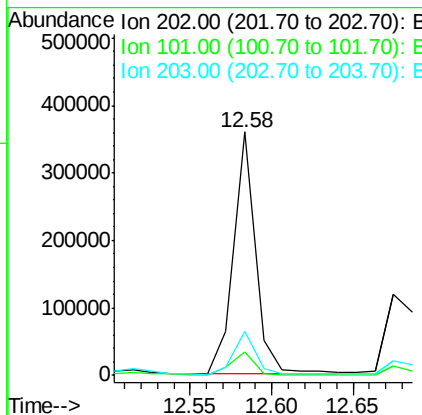
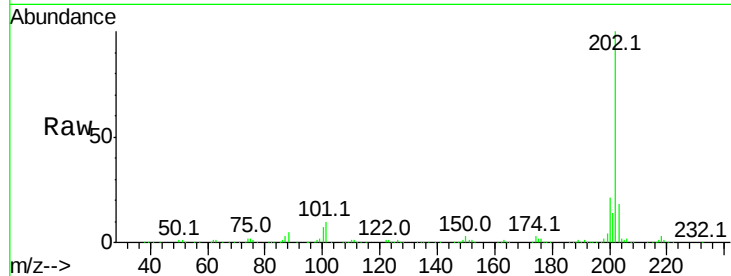
ClientSampleId :

MGP214BR-26-27DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	331407		
101	9.6	0.0	29.3	
203	17.8	0.0	37.8	

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#75

Chrysene-d12

Concen: 20.00 ng

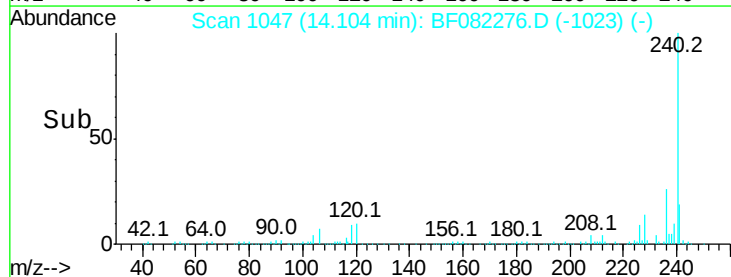
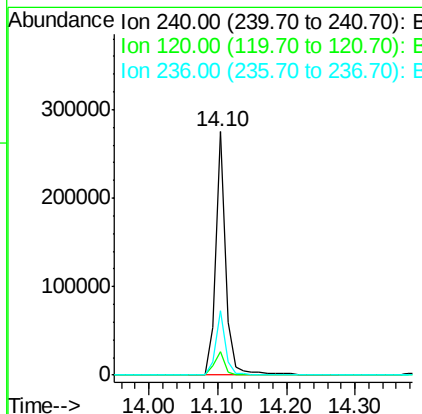
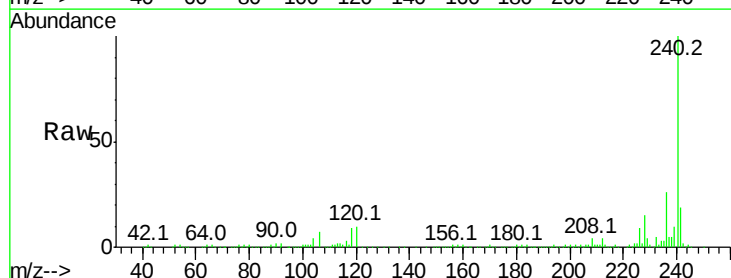
RT: 14.10 min Scan# 1047

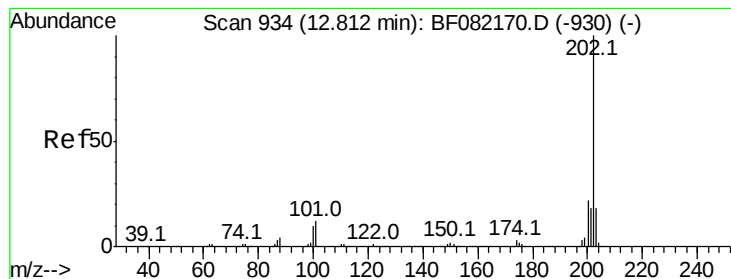
Delta R.T. -0.02 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	289266		
120	9.5	8.1	12.1	
236	26.3	21.3	31.9	





#77

Pvrene

Concen: 30.79 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.00 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

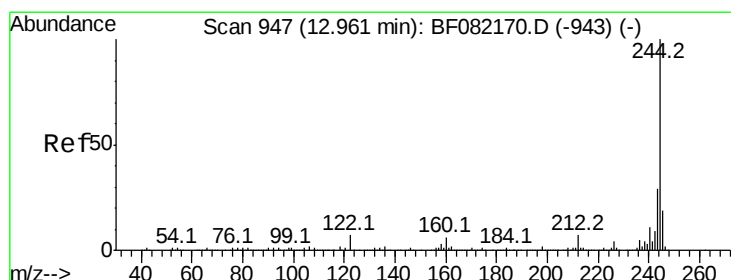
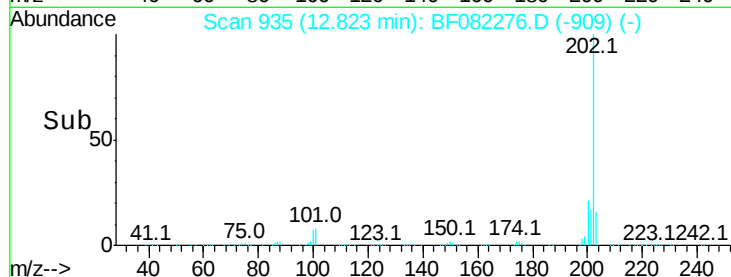
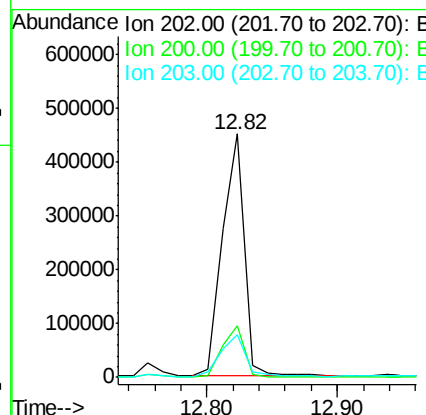
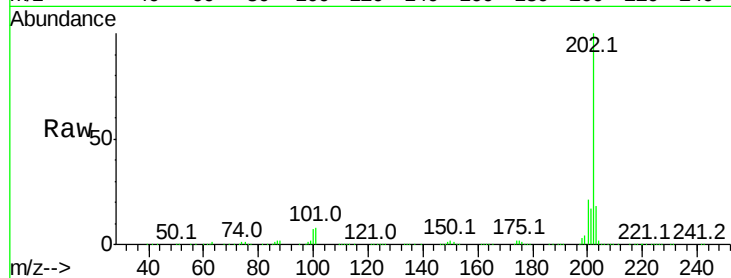
ClientSampleId :

MGP214BR-26-27DL

Tot Ion:	202	Resp:	528505
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.9	26.9
203	17.6	14.5	21.7

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#78

Terphenyl-d14

Concen: 17.12 ng

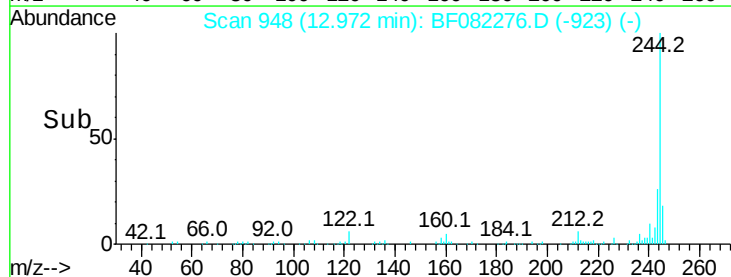
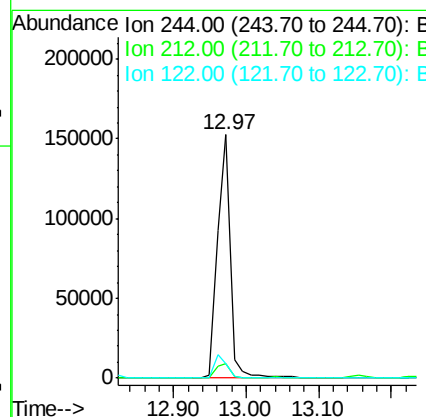
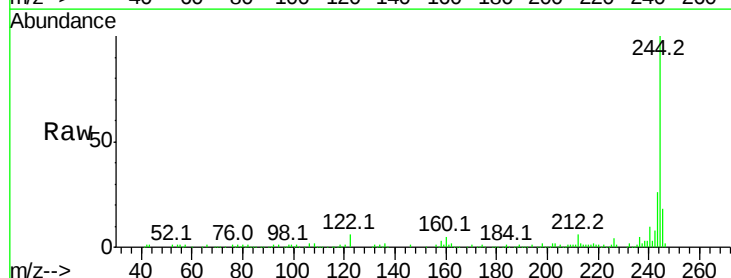
RT: 12.97 min Scan# 948

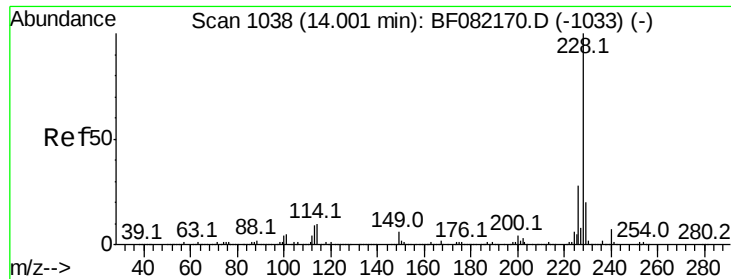
Delta R.T. -0.01 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tgt Ion:	244	Resp:	186841
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.8	8.6
122	6.1	5.9	8.9





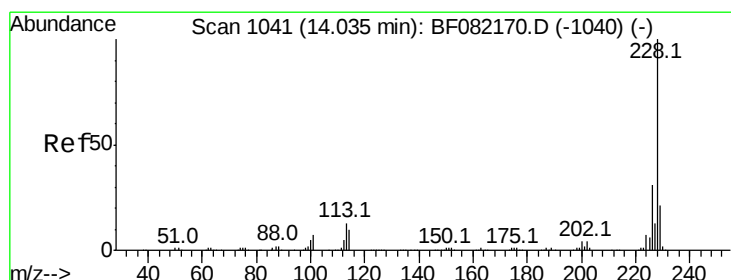
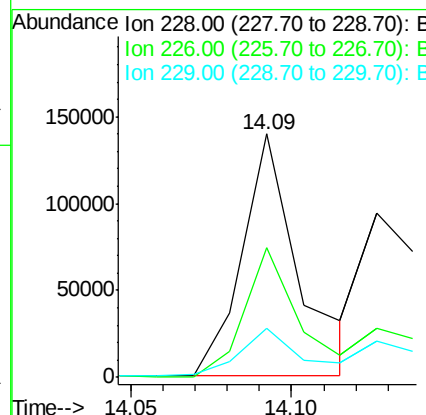
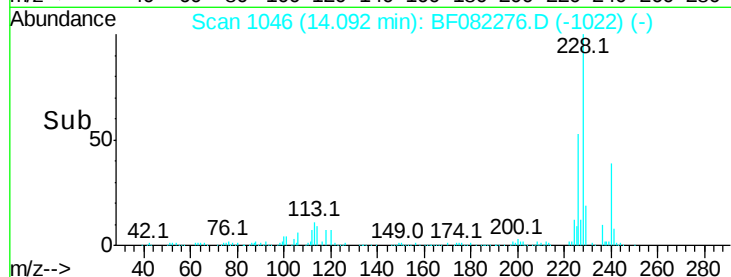
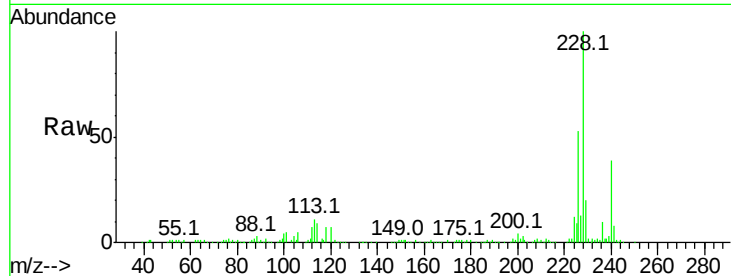
#80
Benzo(a)anthracene
Concen: 11.28 ng
RT: 14.09 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	53.3	22.3	33.5#
229	20.1	16.2	24.2

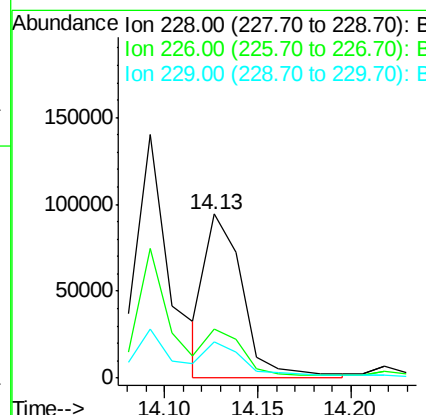
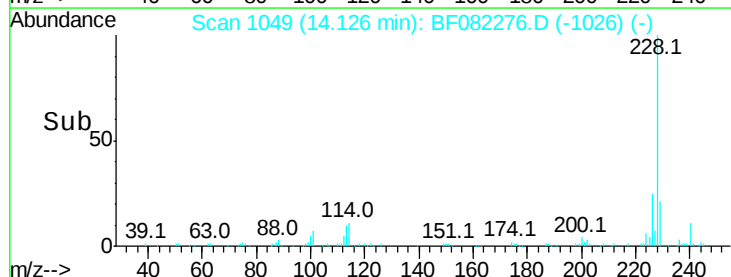
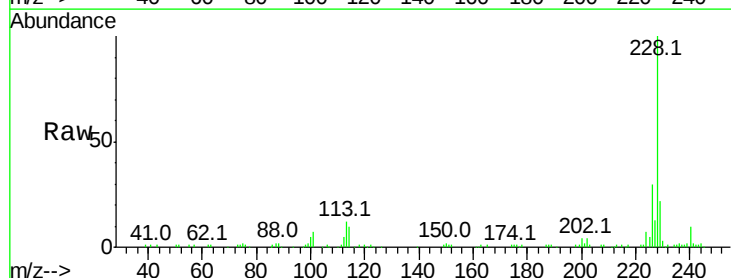
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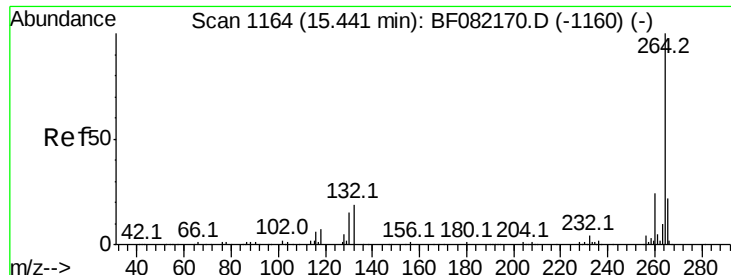
MMdadoda
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#82
Chrysene
Concen: 8.20 ng
RT: 14.13 min Scan# 1049
Delta R.T. -0.03 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	21.9	16.3	24.5





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.69 min Scan# 1186

Delta R.T. -0.05 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Instrument :

BNA_F

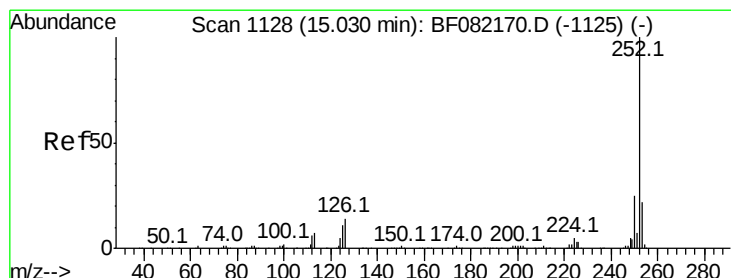
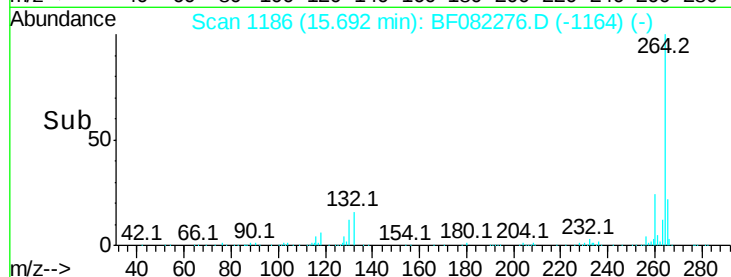
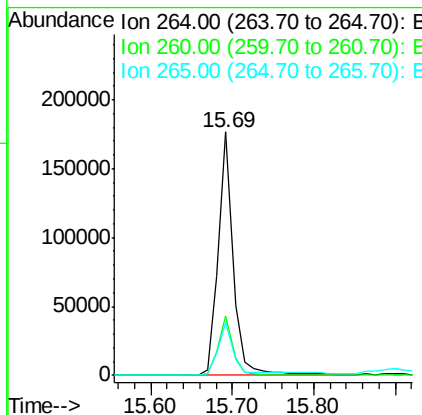
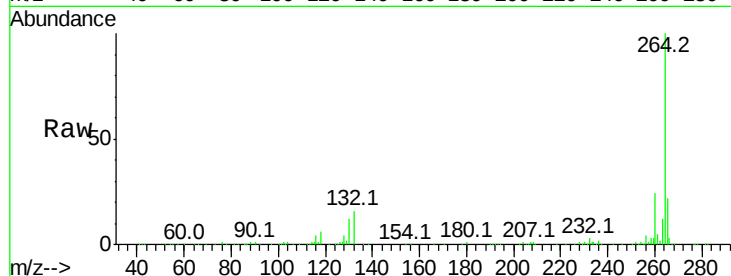
ClientSampleId :

MGP214BR-26-27DL

Tot Ion:	264	Resp:	227323
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.0	28.6
265	21.8	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 4.83 ng m

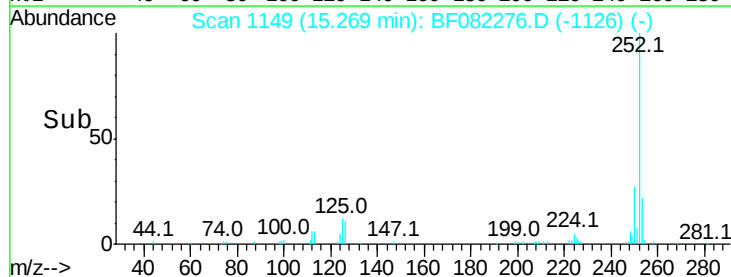
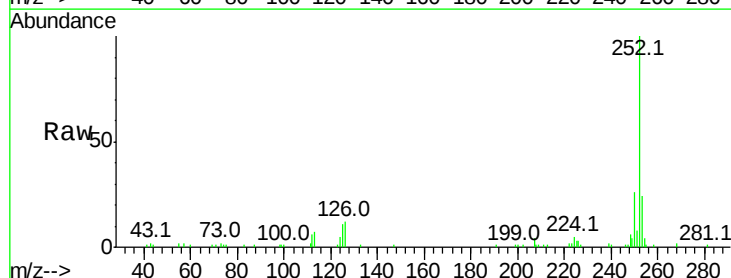
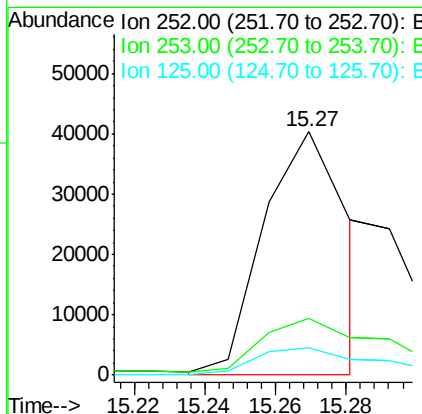
RT: 15.27 min Scan# 1149

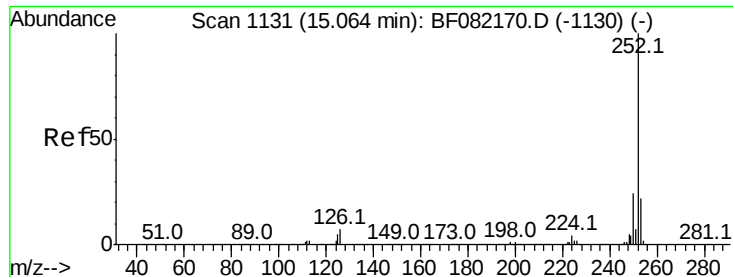
Delta R.T. -0.03 min

Lab File: BF082276.D

Acq: 14 Oct 2015 13:35

Tgt Ion:	252	Resp:	66803
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.0	27.0
125	11.4	8.6	12.8





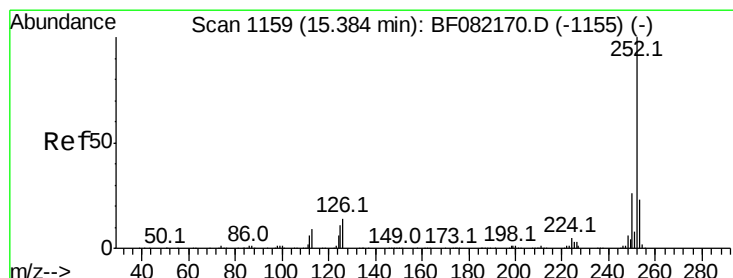
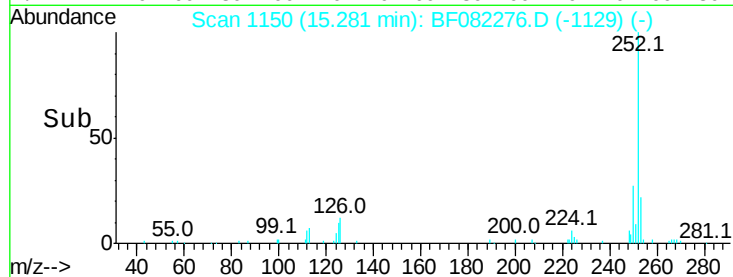
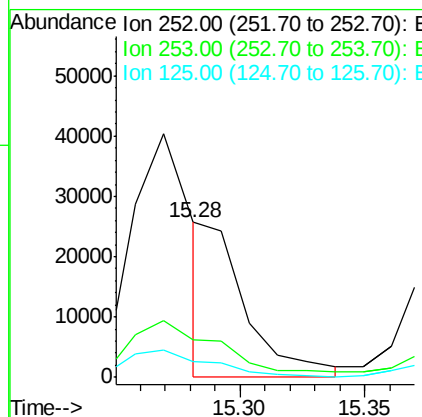
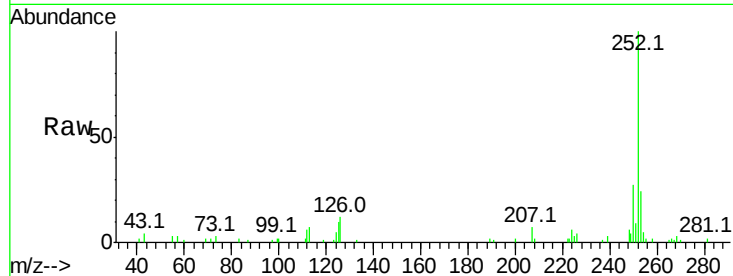
#88
Benzo(k)fluoranthene
Concen: 2.44 ng m
RT: 15.28 min Scan# 1150
Delta R.T. -0.06 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Instrument :
BNA_F
ClientSampleId :
MGP214BR-26-27DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	9.9	6.7	10.1

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#89
Benzo(a)pyrene
Concen: 6.88 ng
RT: 15.62 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BF082276.D
Acq: 14 Oct 2015 13:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.8	8.9	13.3

