

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
 Data File : BF081782.D
 Acq On : 25 Sep 2015 00:33
 Operator : UM/IZ
 Sample : G3708-08DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP201-19-20DL

Manual Integrations
 APPROVED

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 9/25/2015 3:37:43 PM

Quant Time: Sep 25 07:06:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:04:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	217108m	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	850024	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	440584	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	836344	20.00	ng	0.00
75) Chrysene-d12	14.12	240	592969	20.00	ng	0.00
86) Perylene-d12	15.58	264	510201	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	131962	10.28	ng	-0.01
7) Phenol-d6	6.55	99	164219	10.12	ng	-0.02
23) Nitrobenzene-d5	7.51	82	93772	7.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	32705	8.55	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	226019	8.42	ng	0.00
78) Terphenyl-d14	13.06	244	213209	8.21	ng	0.00
Target Compounds						
31) Naphthalene	8.29	128	6290579	160.42	ng	# 91
37) 2-Methylnaphthalene	8.96	142	2142133	76.66	ng	# 85
45) 1,1'-Biphenyl	9.42	154	432235	12.55	ng	94
48) Acenaphthylene	9.86	152	1944240	41.46	ng	94
51) Acenaphthene	10.02	154	254561	9.42	ng	# 85
54) Dibenzofuran	10.19	168	201019	5.07	ng	# 83
57) Fluorene	10.54	166	1113820	36.61	ng	91
70) Phenanthrene	11.51	178	2592853m	54.23	ng	
71) Anthracene	11.55	178	885636	19.22	ng	96
74) Fluoranthene	12.69	202	1004279	20.84	ng	94
77) Pyrene	12.93	202	1489713m	33.32	ng	
80) Benzo(a)anthracene	14.10	228	473158	13.16	ng	# 69
82) Chrysene	14.14	228	315185	9.14	ng	92
85) Indeno(1,2,3-cd)pyrene	17.03	276	90170	2.86	ng	# 86
87) Benzo(b)fluoranthene	15.16	252	219533m	7.26	ng	
88) Benzo(k)fluoranthene	15.18	252	76106m	2.61	ng	
89) Benzo(a)pyrene	15.52	252	243893	8.93	ng	# 84
91) Benzo(g,h,i)perylene	17.48	276	92892	3.17	ng	# 77

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

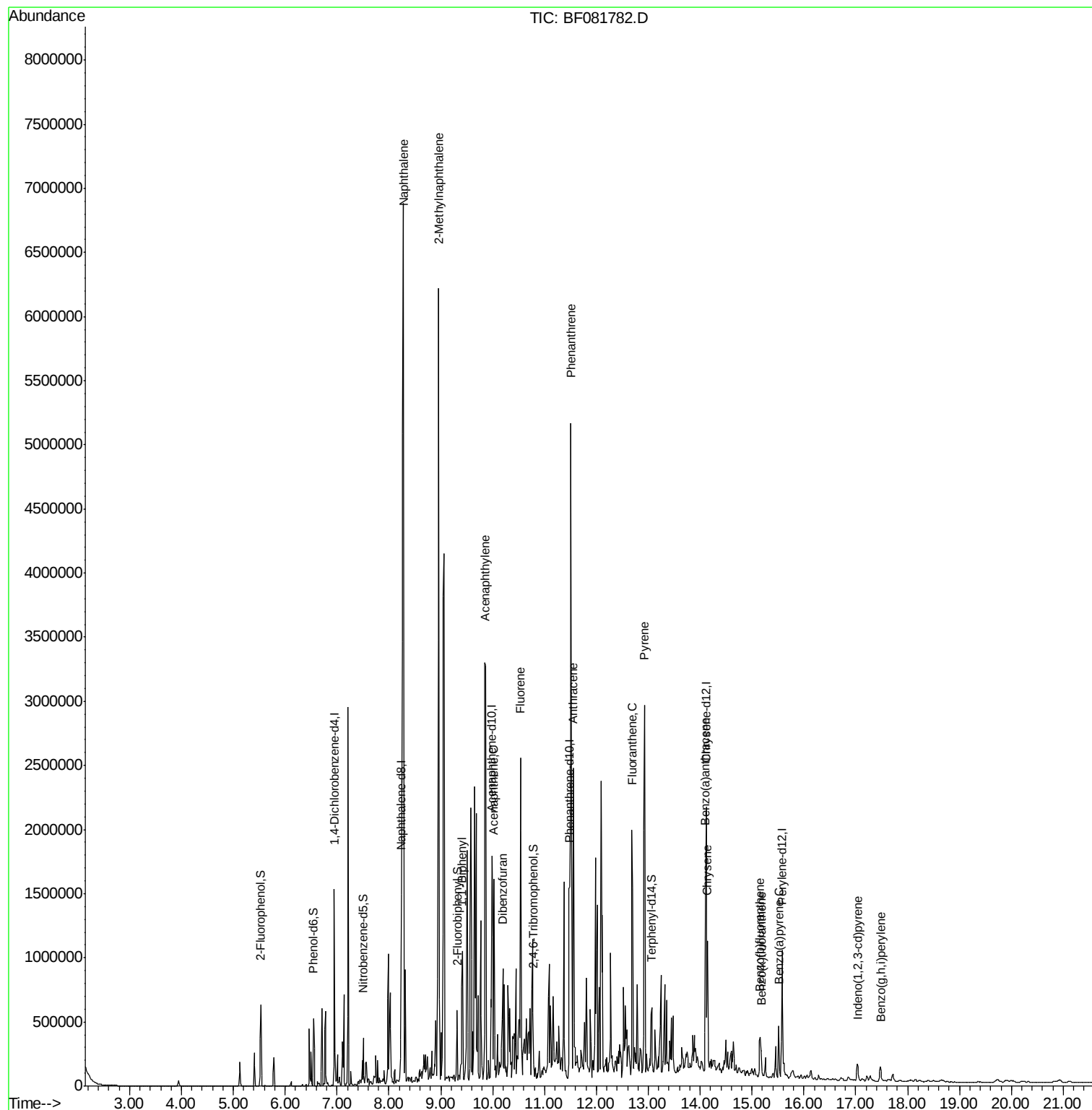
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
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ALS Vial : 15 Sample Multiplier: 1

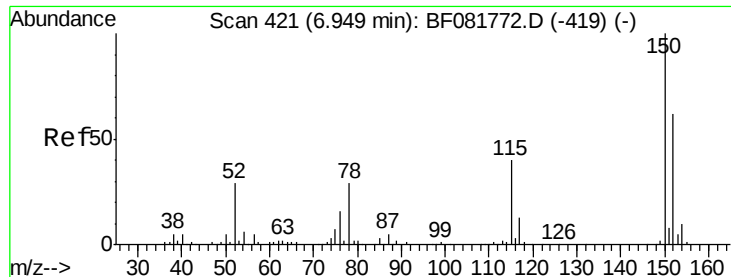
Instrument :
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#1

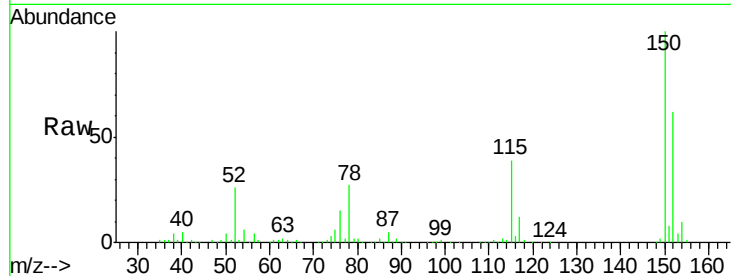
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.95 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL

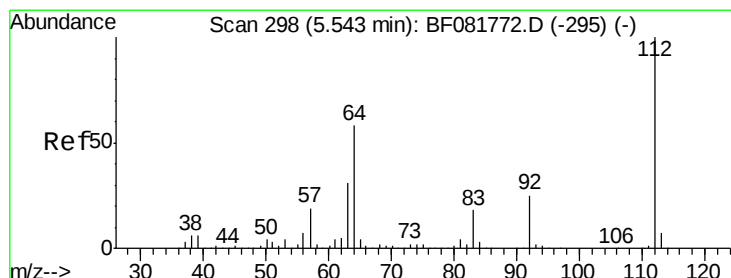
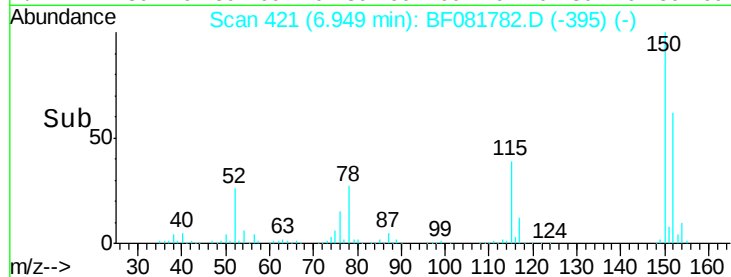
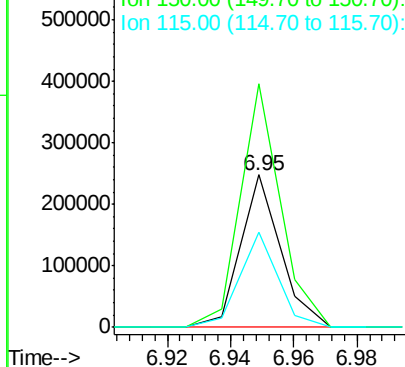
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	217108		
150	160.1	124.7	187.1	
115	62.9	39.0	58.4	

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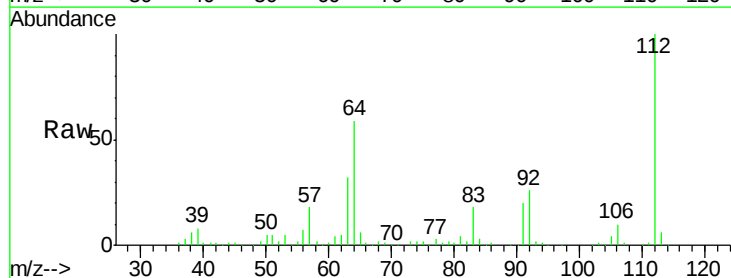
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



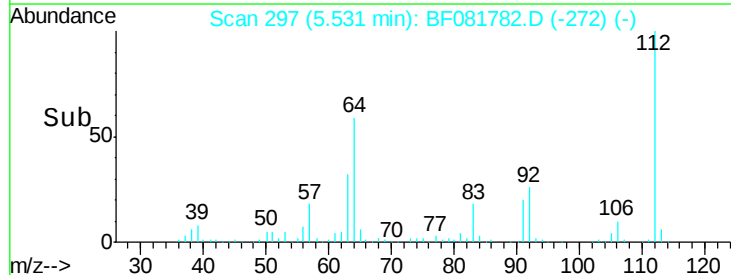
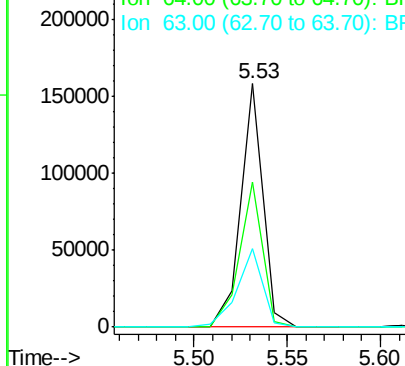
#5

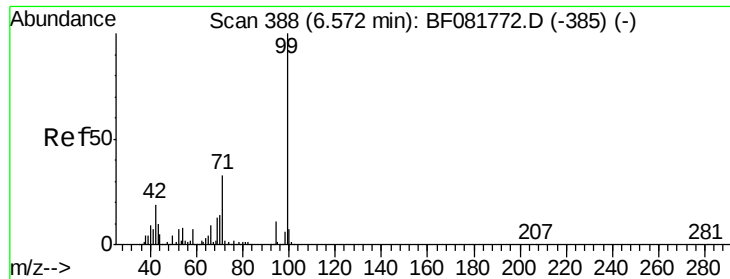
2-Fluorophenol
Concen: 10.28 ng
RT: 5.53 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	131962		
64	59.4	39.7	59.5	
63	32.4	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: 10.12 ng

RT: 6.55 min Scan# 386

Delta R.T. -0.02 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Instrument :

BNA_F

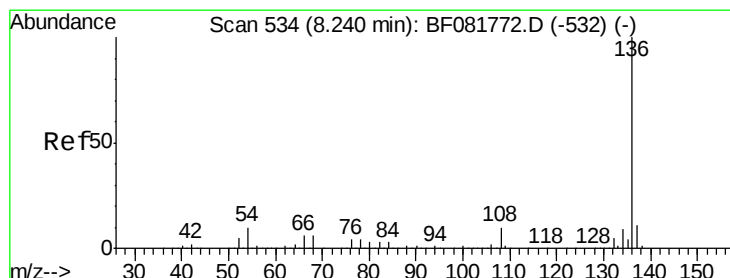
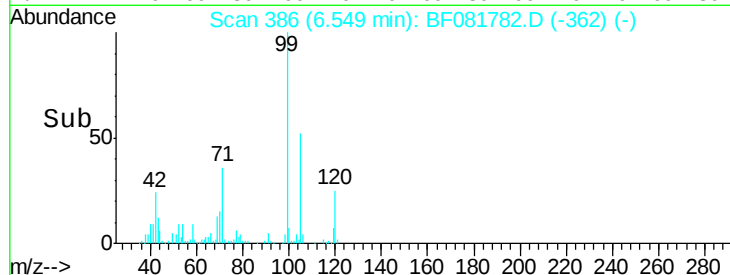
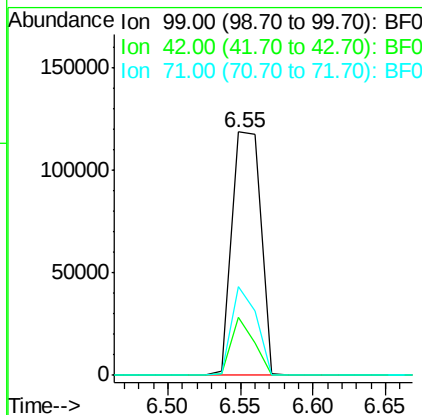
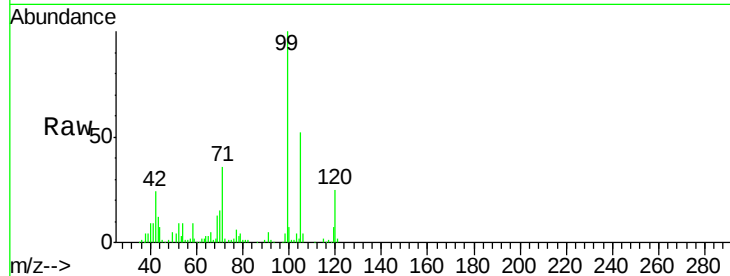
ClientSampleId :

MGP201-19-20DL

Tgt Ion:	99	Resp:	164219
Ion Ratio	Lower	Upper	
99	100		
42	24.1	13.7	20.5#
71	36.3	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

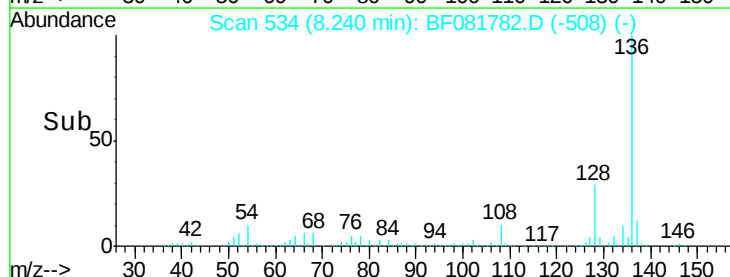
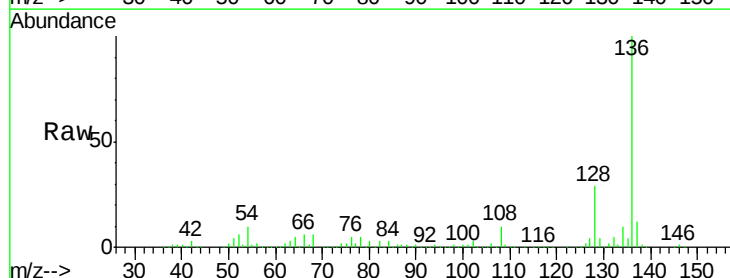
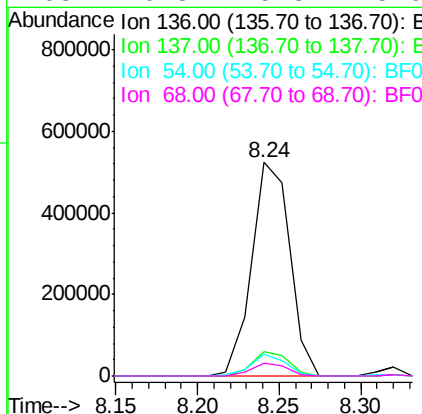
RT: 8.24 min Scan# 534

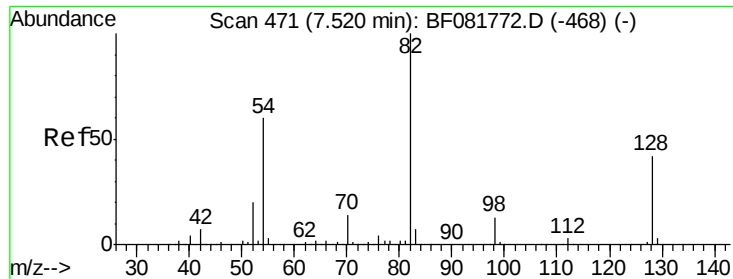
Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Tgt Ion:	136	Resp:	850024
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	10.1	8.2	12.2
68	6.3	5.8	8.6





#23

Nitrobenzene-d5

Concen: 7.28 ng

RT: 7.51 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Instrument :

BNA_F

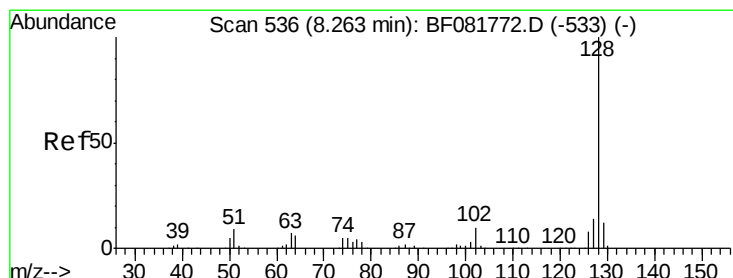
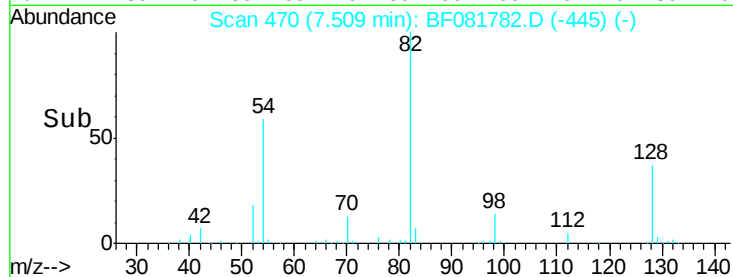
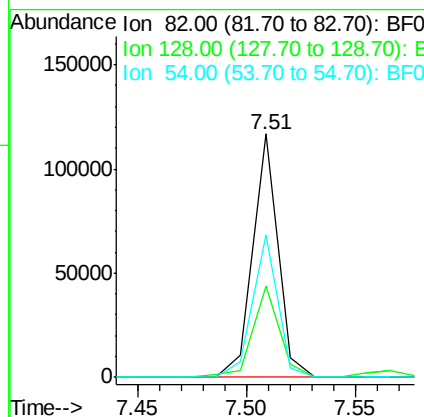
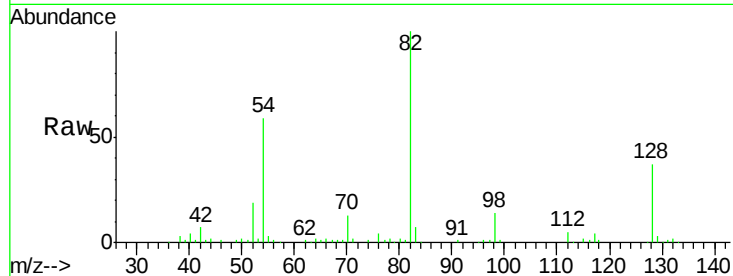
ClientSampleId :

MGP201-19-20DL

Tgt Ion:	82	Resp:	93772
Ion Ratio	Lower	Upper	
82	100		
128	37.4	51.0	76.6#
54	58.5	47.5	71.3

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#31

Naphthalene

Concen: 160.42 ng

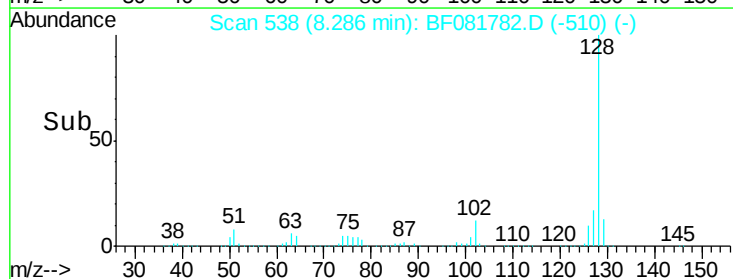
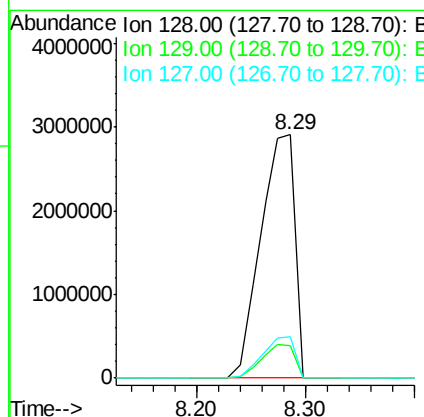
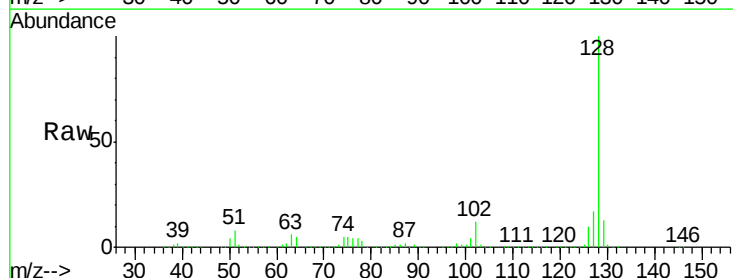
RT: 8.29 min Scan# 538

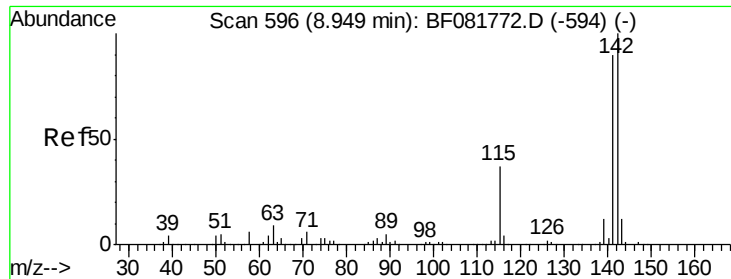
Delta R.T. 0.02 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Tgt Ion:	128	Resp:	6290579
Ion Ratio	Lower	Upper	
128	100		
129	13.1	8.4	12.6#
127	16.9	9.9	14.9#





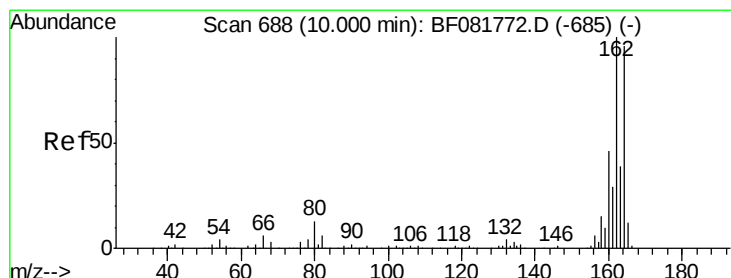
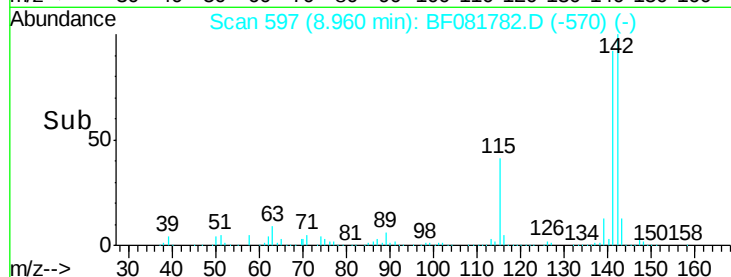
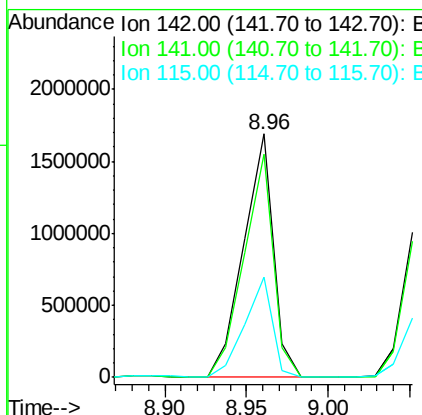
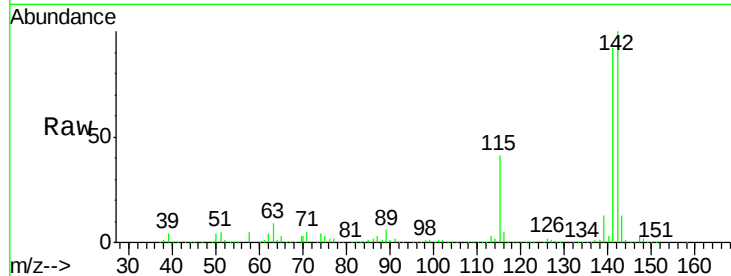
#37
2-Methylnaphthalene
Concen: 76.66 ng
RT: 8.96 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	67.5	101.3
115	41.1	18.2	27.2

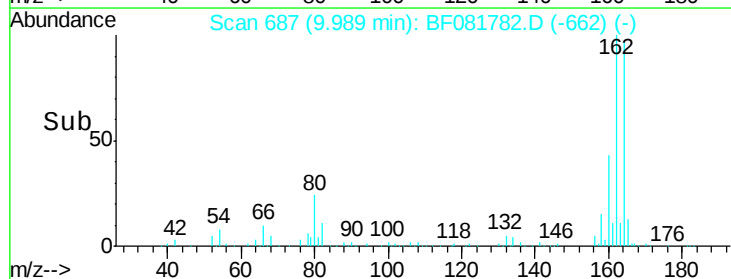
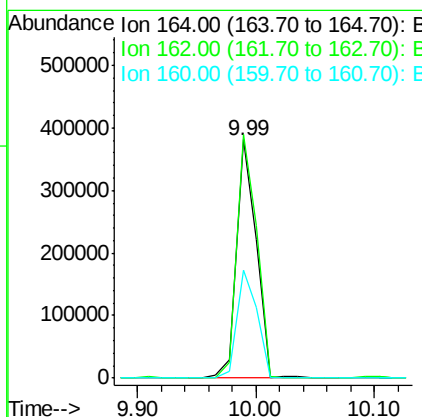
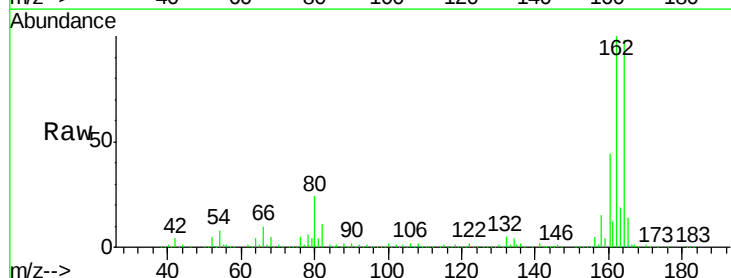
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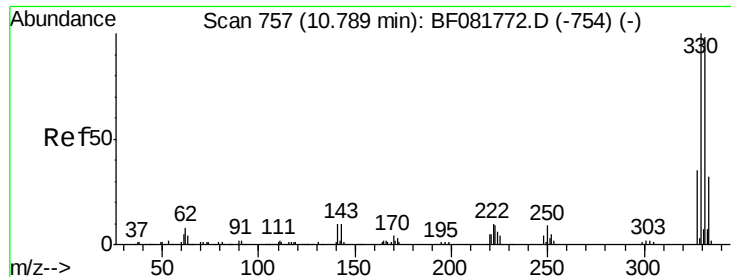
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	75.2	112.8
160	45.1	31.5	47.3





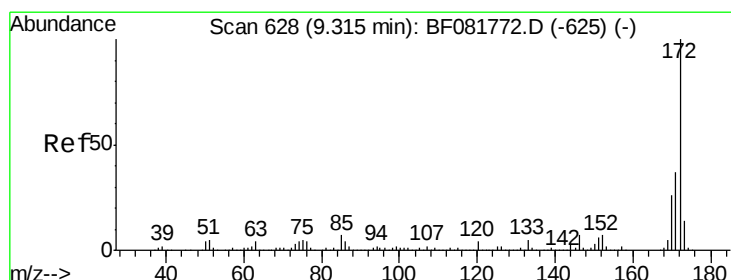
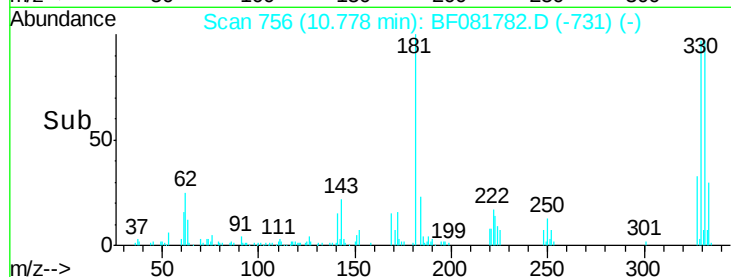
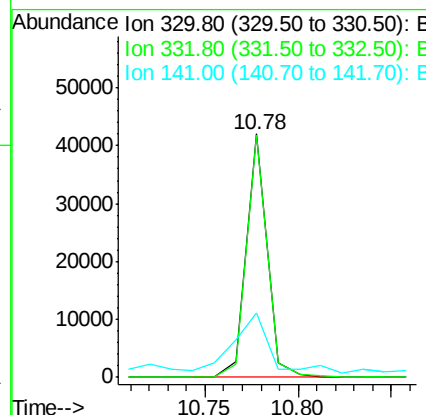
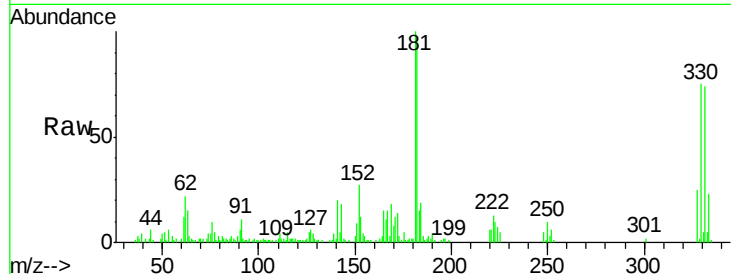
#41
 2,4,6-Tribromophenol
 Concen: 8.55 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081782.D
 Acq: 25 Sep 2015 00:33

Instrument :
 BNA_F
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 MGP201-19-20DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32705		
332	99.6	76.6	114.8	
141	44.0	29.7	44.5	

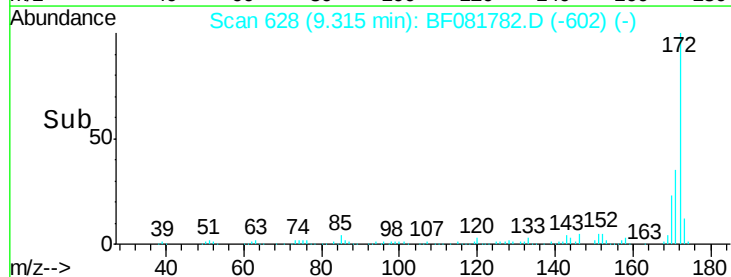
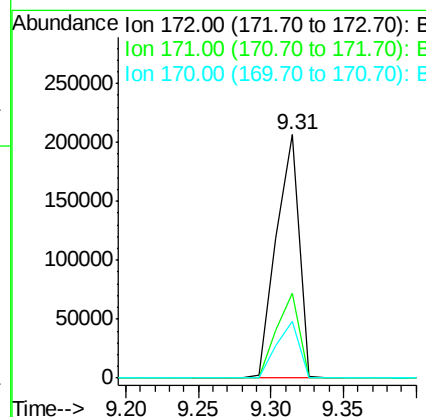
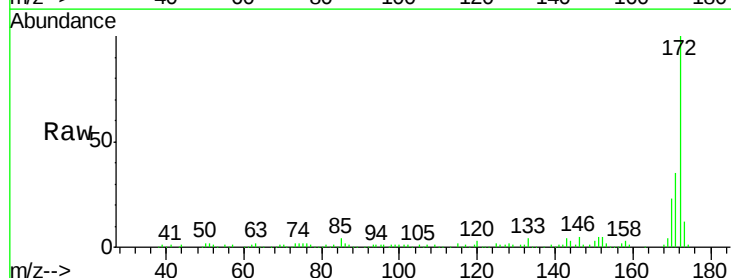
Manual Integrations
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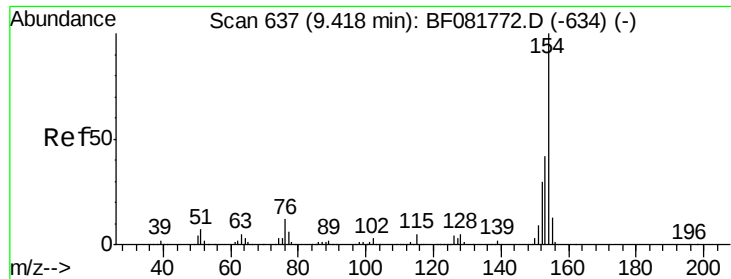
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#44
 2-Fluorobiphenyl
 Concen: 8.42 ng
 RT: 9.31 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF081782.D
 Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	226019		
171	34.9	26.1	39.1	
170	23.3	17.4	26.2	





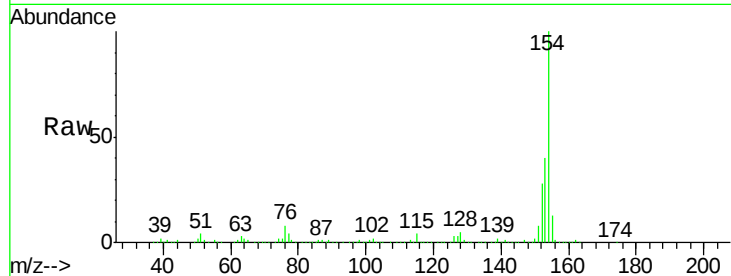
#45
1,1'-Biphenyl
Concen: 12.55 ng
RT: 9.42 min Scan# 637
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL

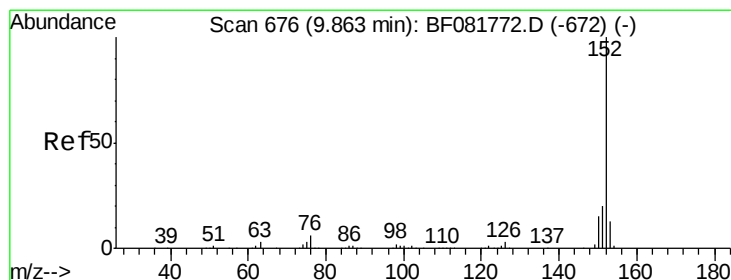
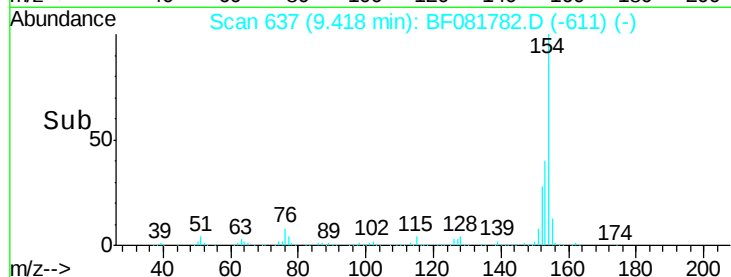
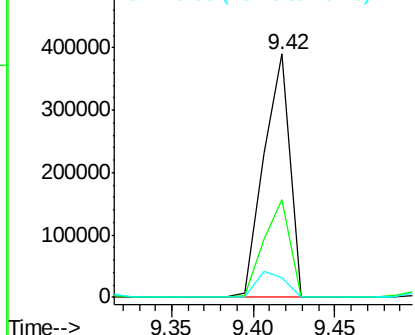
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	432235		
153	39.9	17.1	57.1	
76	8.1	0.0	31.6	

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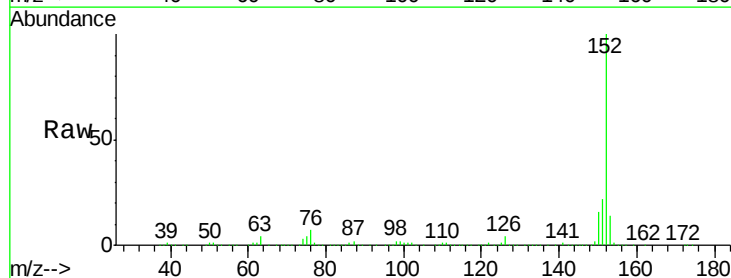


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

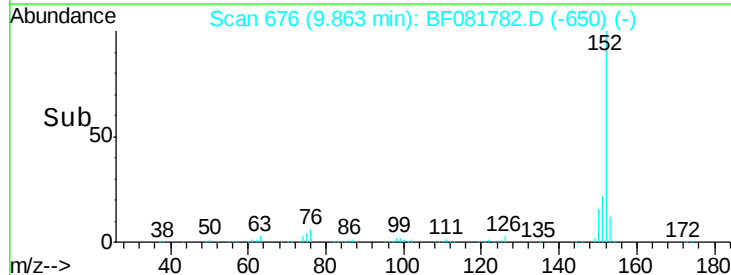
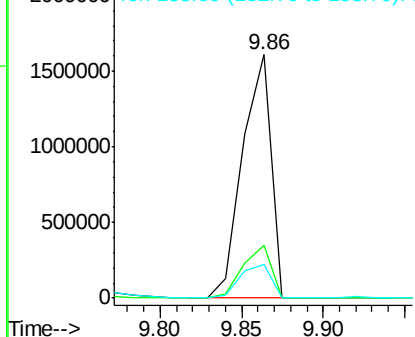


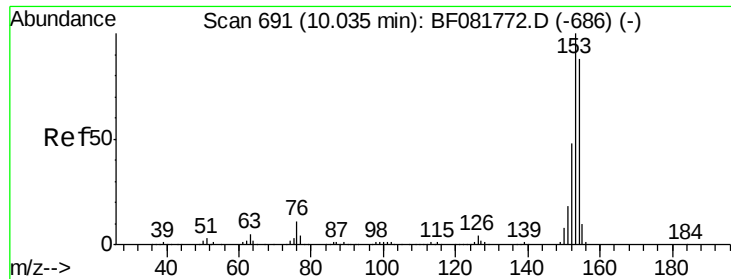
#48
Acenaphthylene
Concen: 41.46 ng
RT: 9.86 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	1944240		
151	21.8	14.6	22.0	
153	14.0	10.3	15.5	



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





#51

Acenaphthene

Concen: 9.42 ng

RT: 10.02 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Instrument :

BNA_F

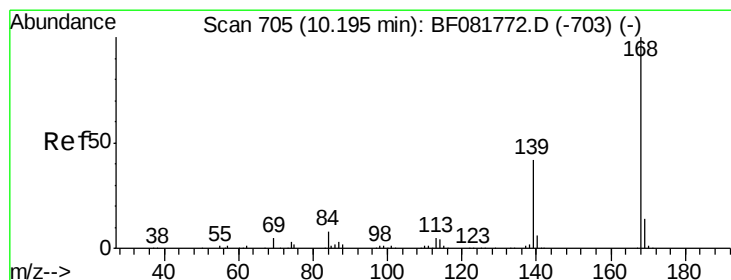
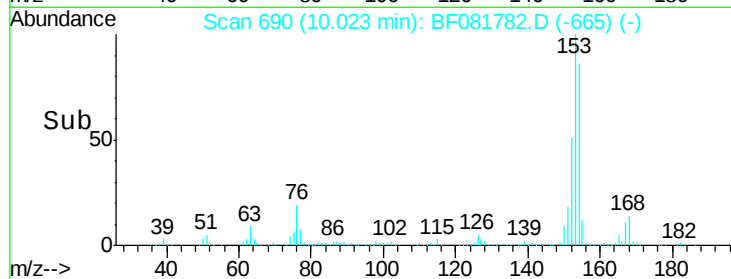
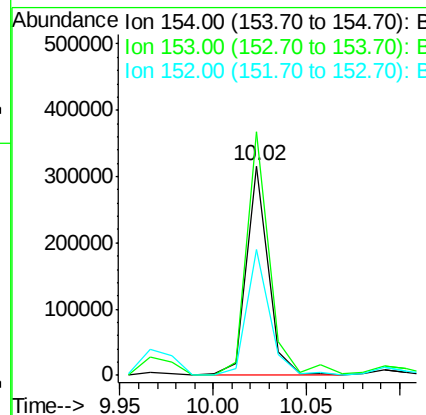
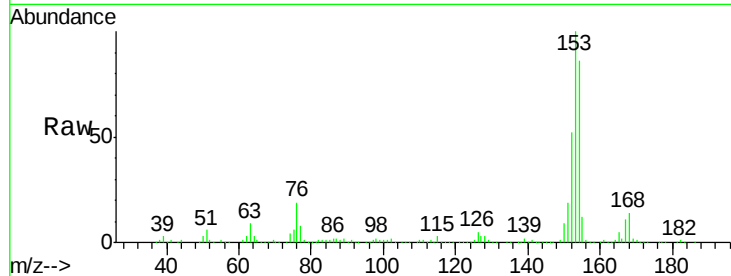
ClientSampleId :

MGP201-19-20DL

Tgt Ion:	154	Resp:	254561
Ion Ratio	Lower	Upper	
154	100		
153	116.4	82.1	123.1
152	60.0	37.9	56.9#

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#54

Dibenzofuran

Concen: 5.07 ng

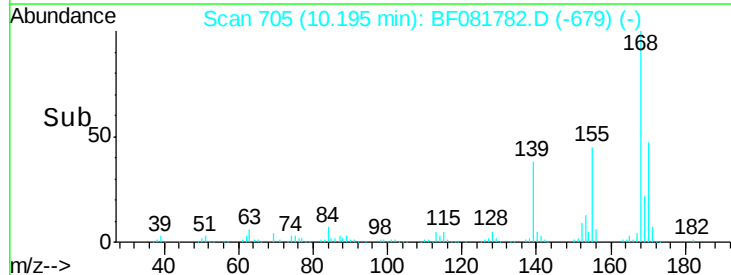
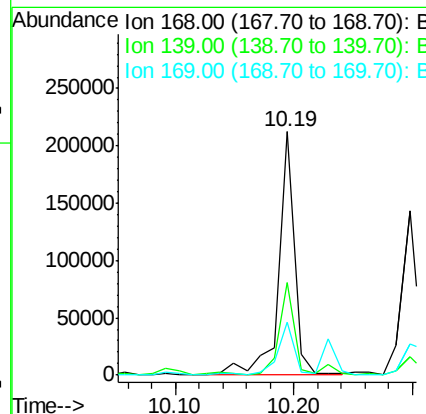
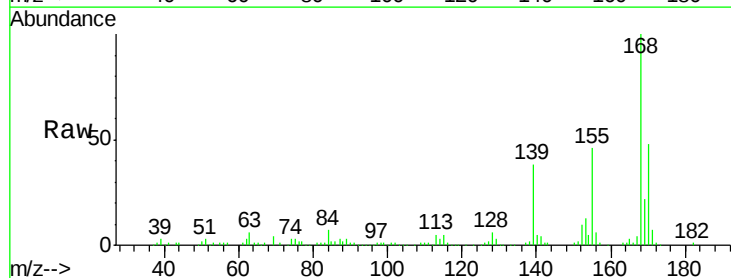
RT: 10.19 min Scan# 705

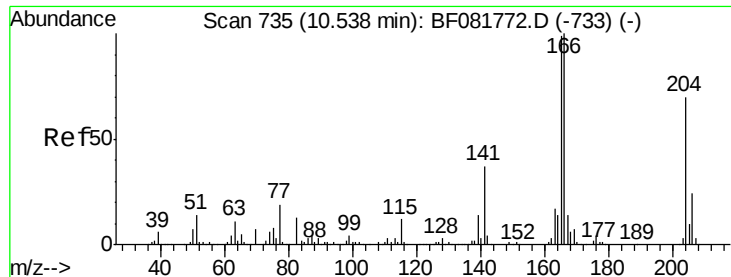
Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Tgt Ion:	168	Resp:	201019
Ion Ratio	Lower	Upper	
168	100		
139	38.1	24.2	36.2#
169	22.0	10.6	15.8#





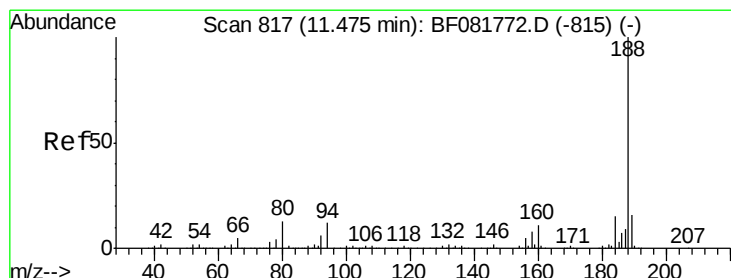
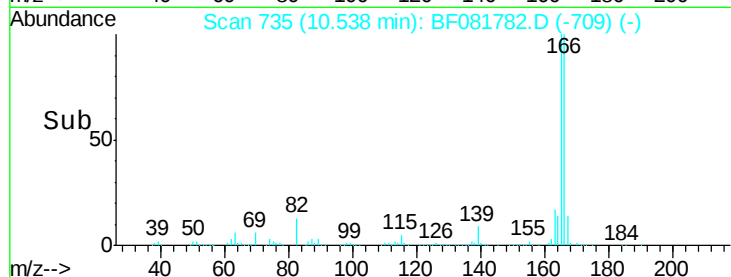
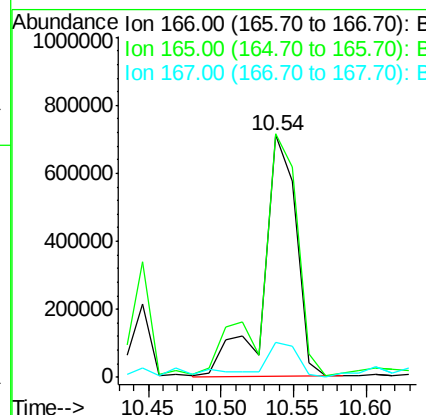
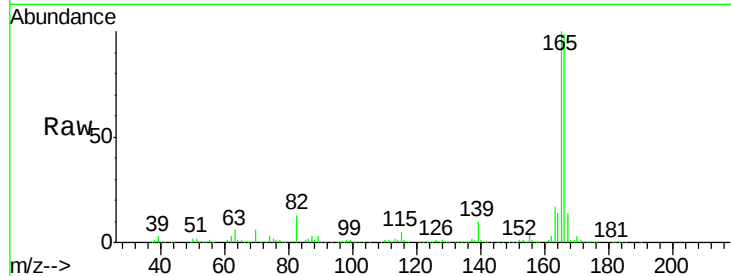
#57
Fluorene
 Concen: 36.61 ng
 RT: 10.54 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF081782.D
 Acq: 25 Sep 2015 00:33

Instrument :
 BNA_F
 ClientSampleId :
 MGP201-19-20DL

Tgt Ion:166 Resp: 1113820
 Ion Ratio Lower Upper
 166 100
 165 100.6 72.6 109.0
 167 14.6 10.6 16.0

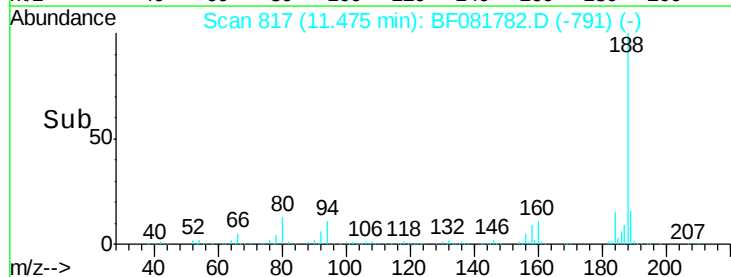
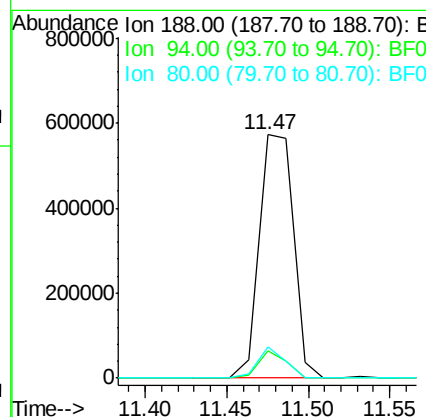
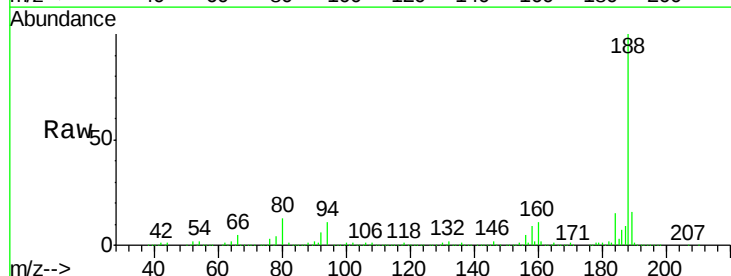
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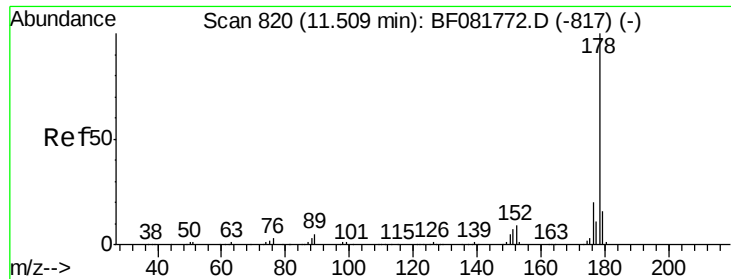
MMDadoda
 9/25/2015 3:37:43 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.47 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF081782.D
 Acq: 25 Sep 2015 00:33

Tgt Ion:188 Resp: 836344
 Ion Ratio Lower Upper
 188 100
 94 11.4 11.1 16.7
 80 12.6 11.0 16.4





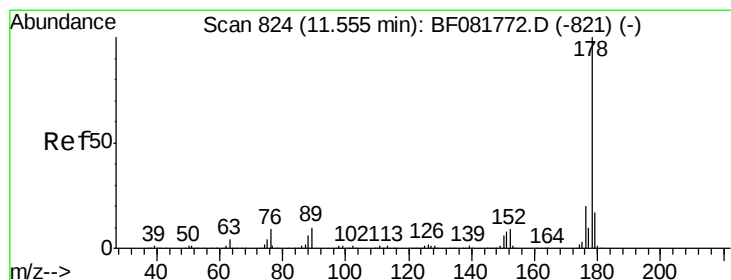
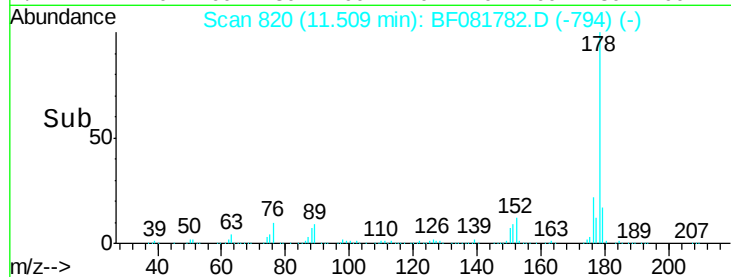
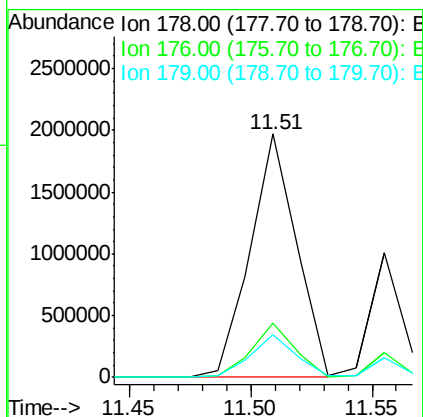
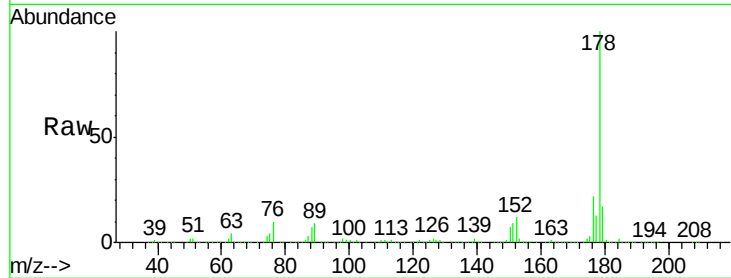
#70
Phenanthrene
Concen: 54.23 ng m
RT: 11.51 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL

Tgt Ion:178 Resp: 2592853
Ion Ratio Lower Upper
178 100
176 22.0 13.8 20.8#
179 17.5 12.2 18.2

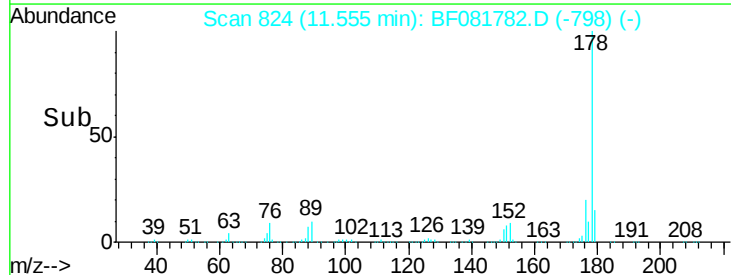
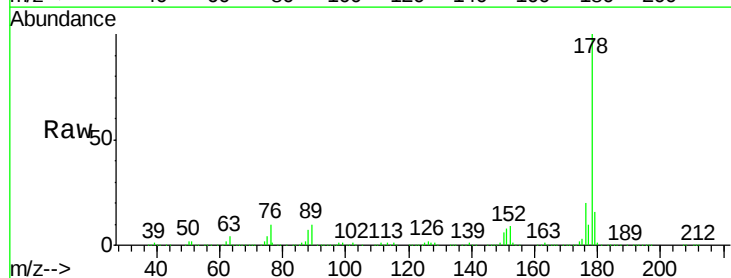
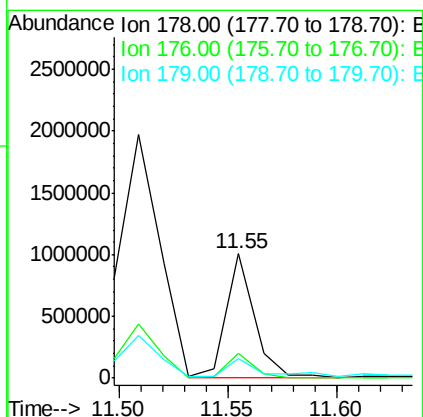
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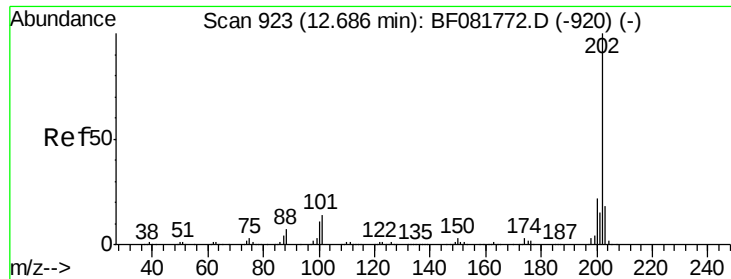
MMDadoda
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#71
Anthracene
Concen: 19.22 ng
RT: 11.55 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Tgt Ion:178 Resp: 885636
Ion Ratio Lower Upper
178 100
176 19.9 14.1 21.1
179 16.2 12.2 18.2





#74

Fluoranthene

Concen: 20.84 ng

RT: 12.69 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Instrument :

BNA_F

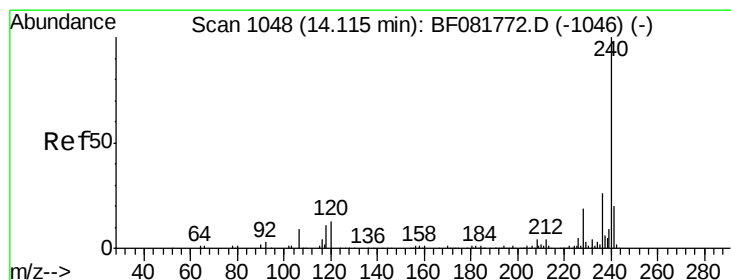
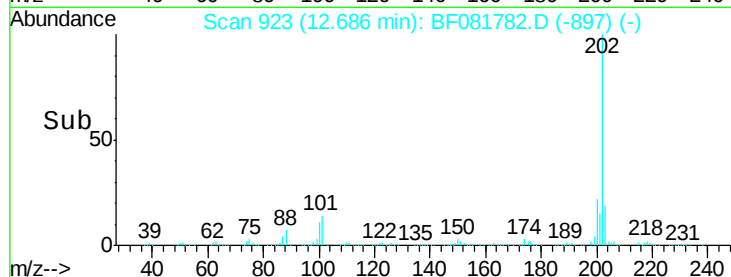
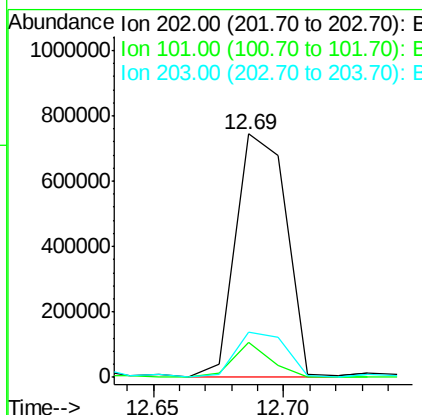
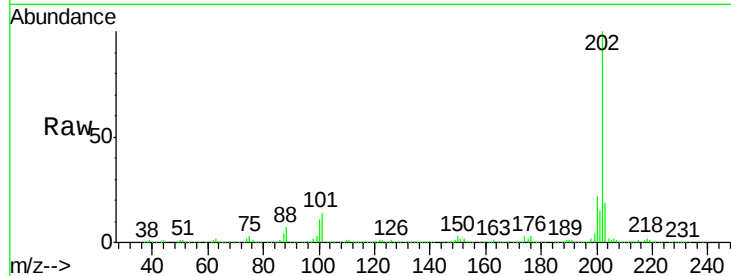
ClientSampleId :

MGP201-19-20DL

Tgt Ion:	202	Resp:	1004279
Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	38.3
203	18.6	0.0	37.3

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

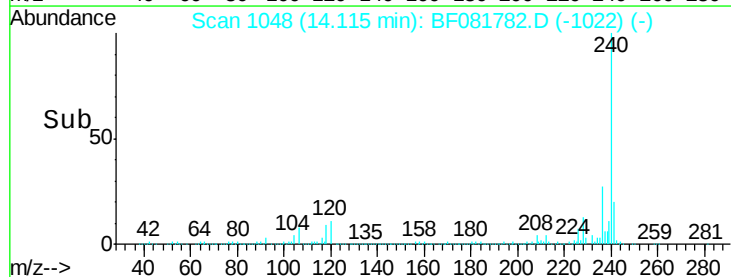
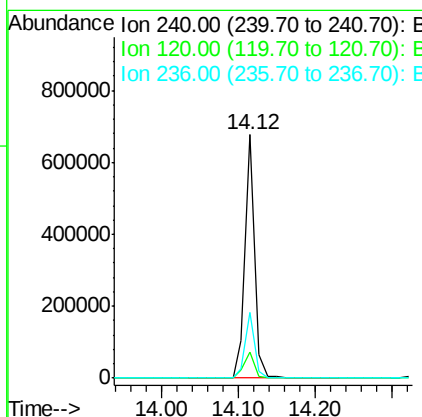
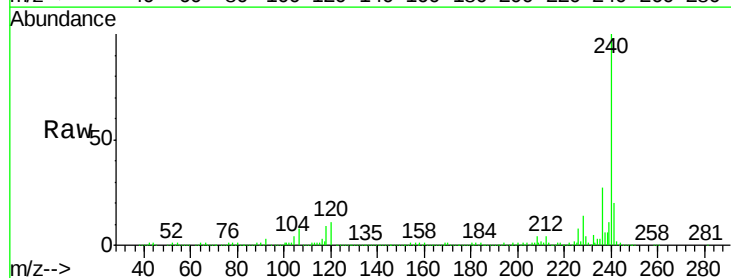
RT: 14.12 min Scan# 1048

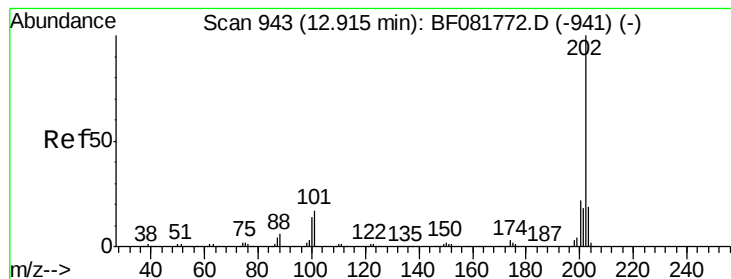
Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Tgt Ion:	240	Resp:	592969
Ion	Ratio	Lower	Upper
240	100		
120	10.9	16.2	24.2#
236	27.0	18.4	27.6





#77

Pyrene

Concen: 33.32 ng m

RT: 12.93 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Instrument :

BNA_F

ClientSampleId :

MGP201-19-20DL

Tgt Ion: 202 Resp: 1489713

Ion Ratio Lower Upper

202 100

200 22.8 15.0 22.4#

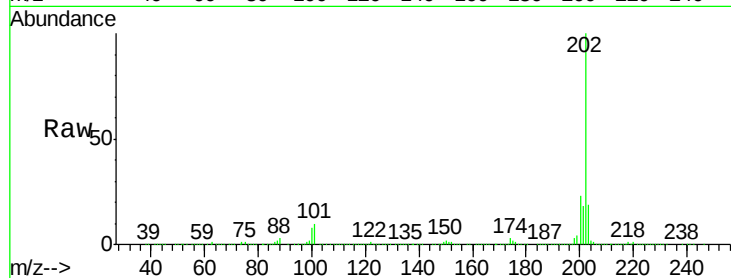
203 18.6 14.1 21.1

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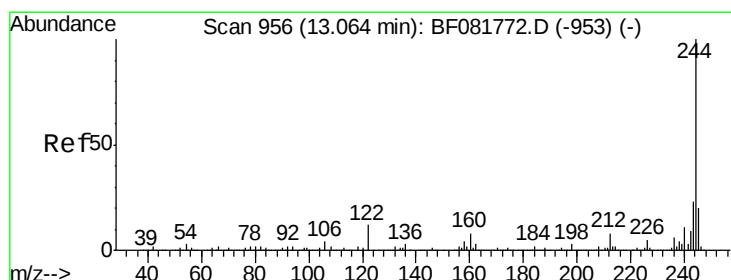
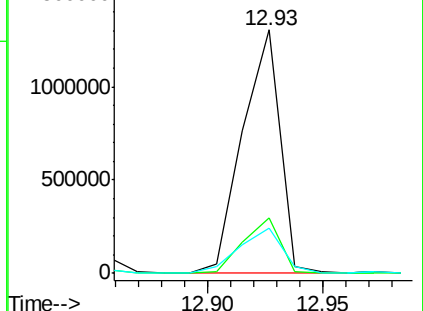
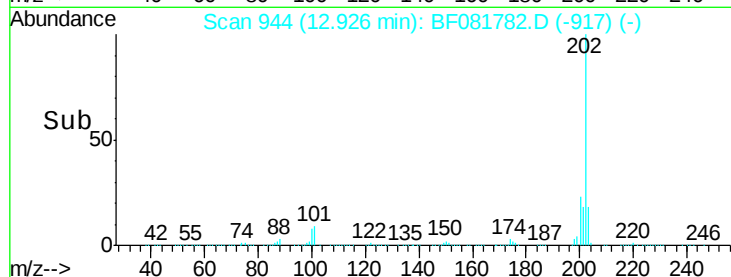
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 8.21 ng

RT: 13.06 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

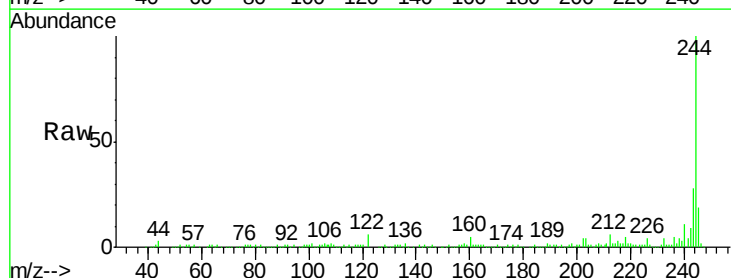
Tgt Ion: 244 Resp: 213209

Ion Ratio Lower Upper

244 100

212 6.1 4.3 6.5

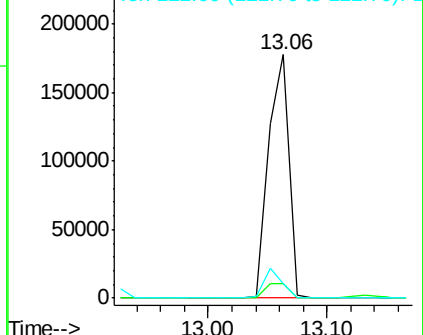
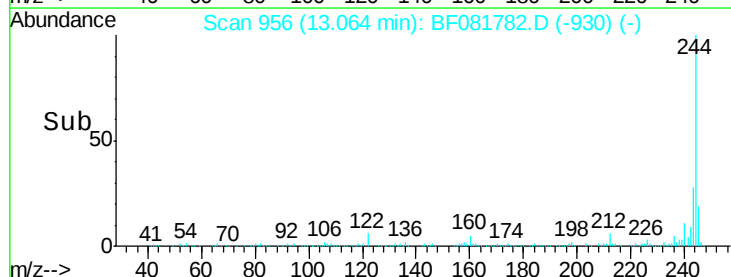
122 5.9 17.4 26.2#

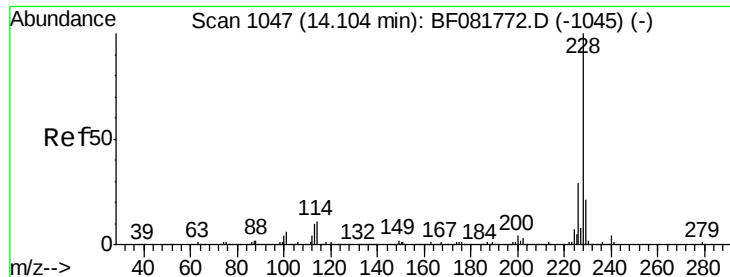


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





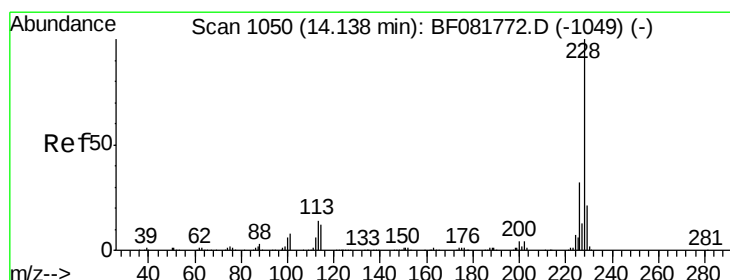
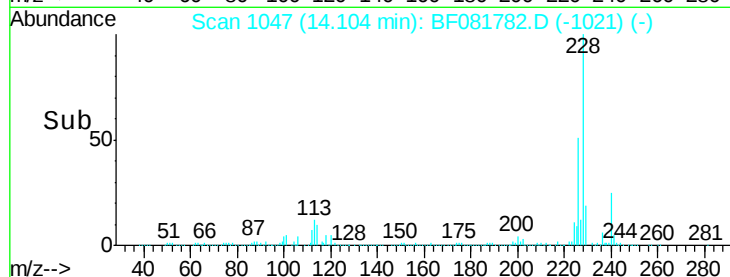
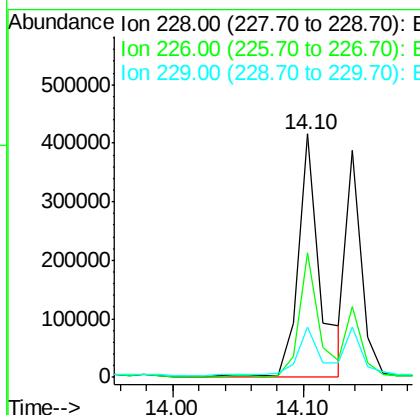
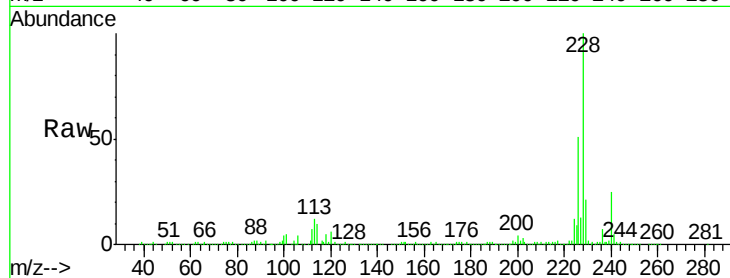
#80
Benzo(a)anthracene
Concen: 13.16 ng
RT: 14.10 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	51.2	20.0	30.0#
229	20.8	15.4	23.2

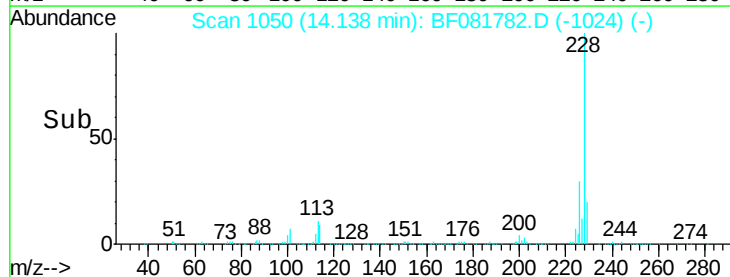
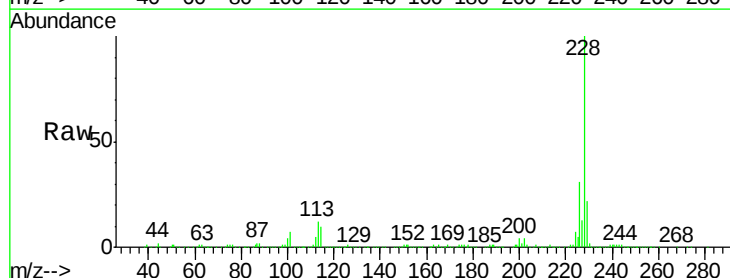
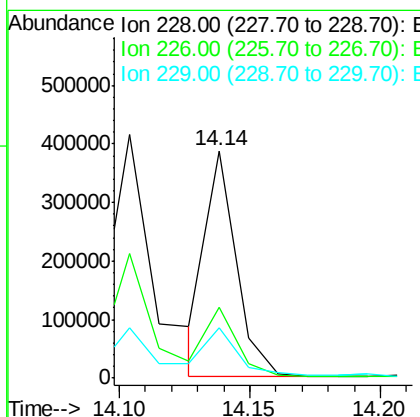
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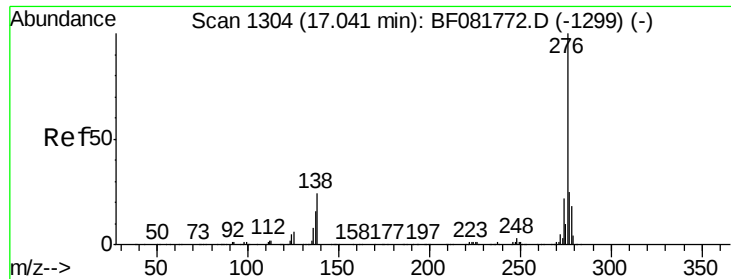
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#82
Chrysene
Concen: 9.14 ng
RT: 14.14 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.0	31.4
229	22.1	15.6	23.4





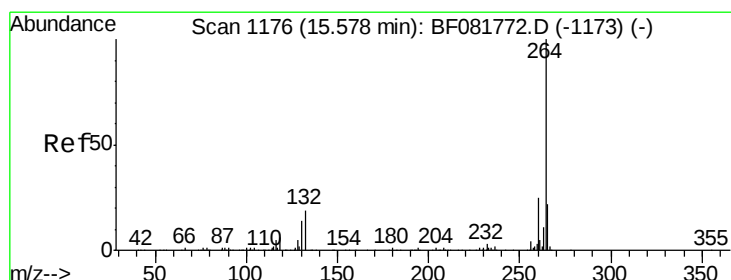
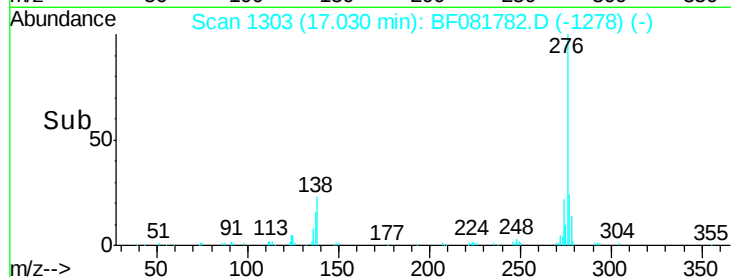
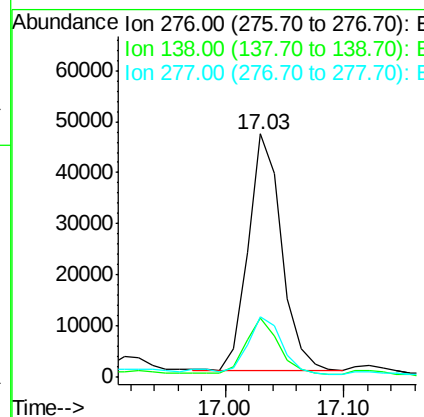
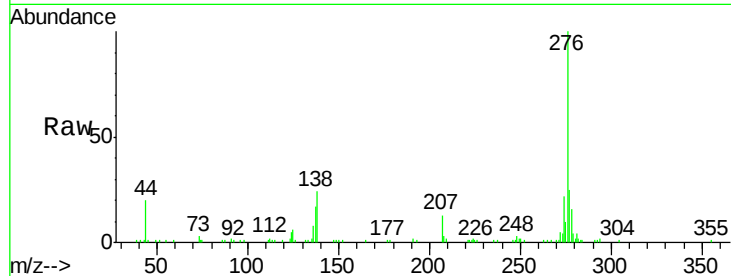
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.86 ng
 RT: 17.03 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF081782.D
 Acq: 25 Sep 2015 00:33

Instrument :
 BNA_F
 ClientSampleId :
 MGP201-19-20DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.7	38.5#
277	25.1	15.6	23.4#

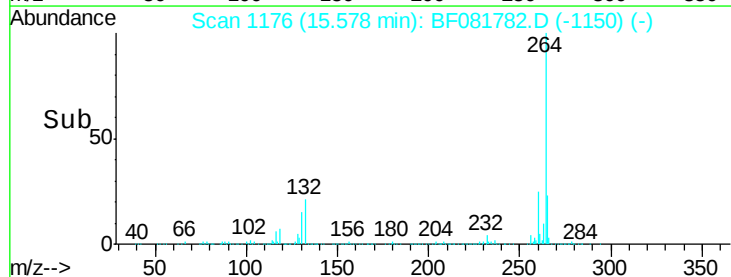
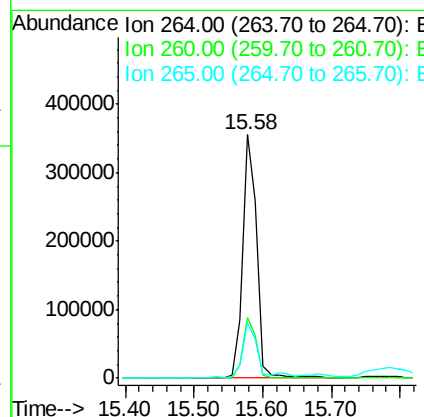
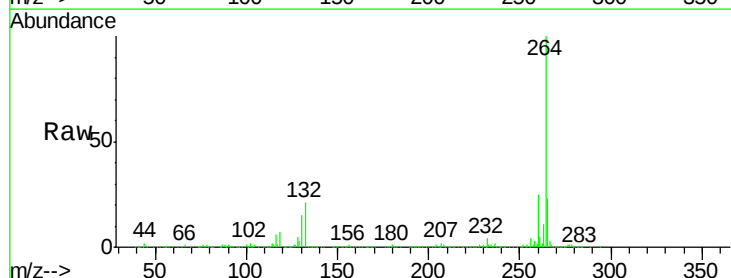
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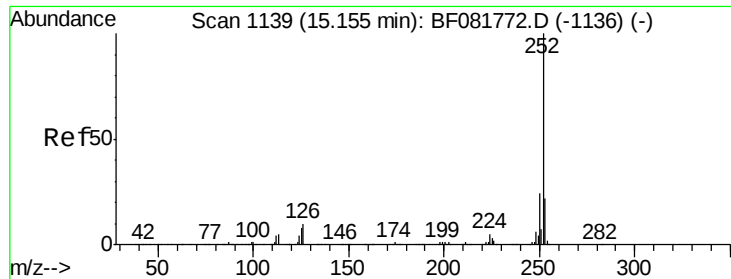
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: BF081782.D
 Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	16.7	25.1
265	22.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.26 ng m

RT: 15.16 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Instrument :

BNA_F

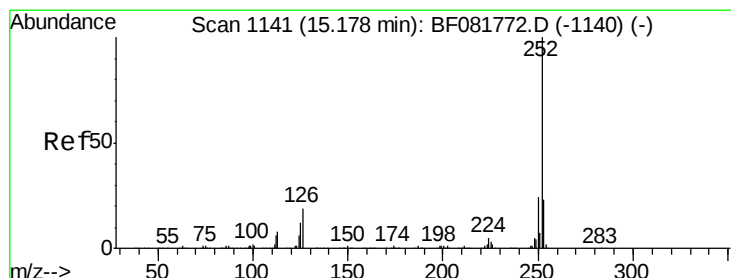
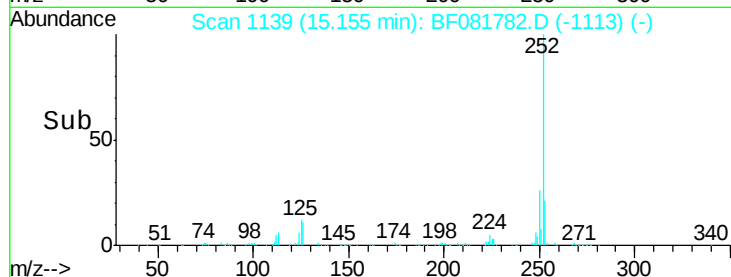
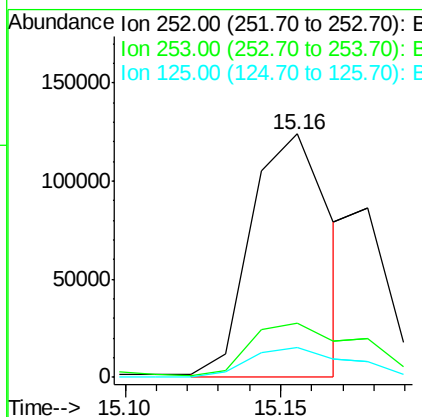
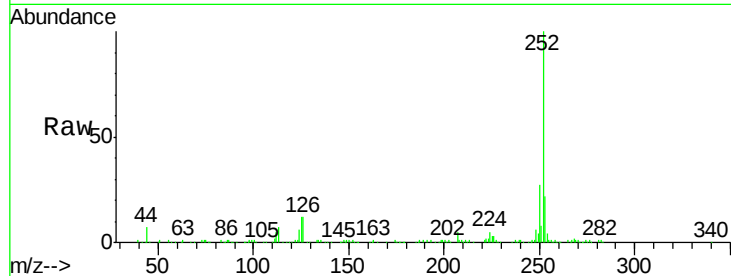
ClientSampleId :

MGP201-19-20DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	12.4	17.1	25.7

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#88

Benzo(k)fluoranthene

Concen: 2.61 ng m

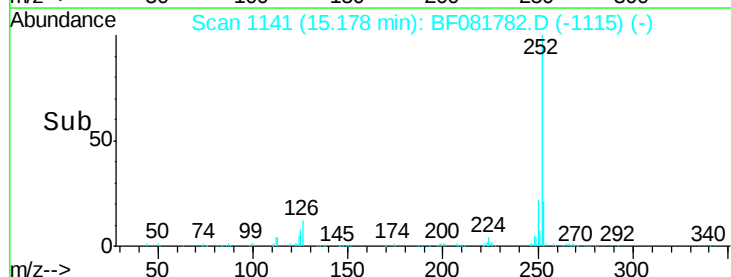
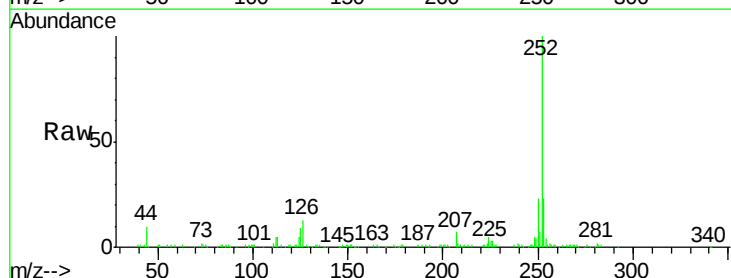
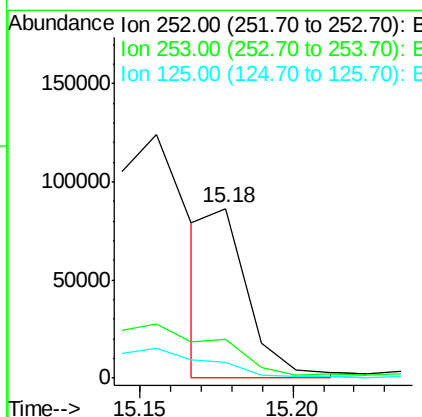
RT: 15.18 min Scan# 1141

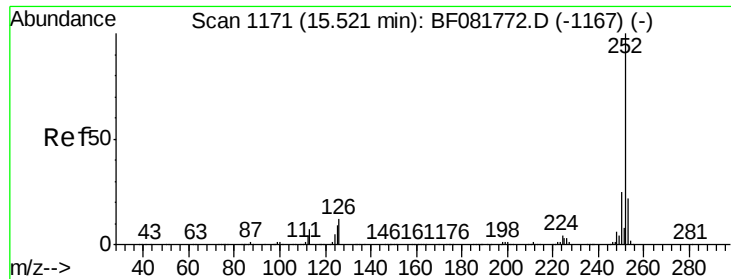
Delta R.T. 0.00 min

Lab File: BF081782.D

Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	8.9	16.0	24.0





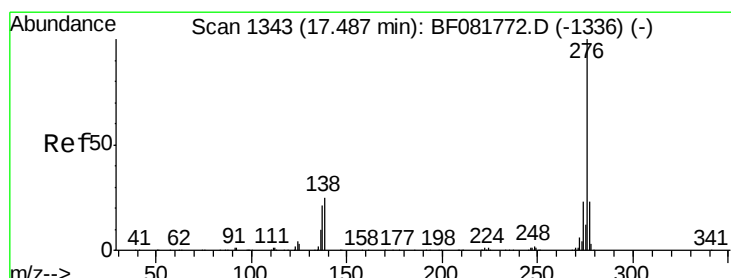
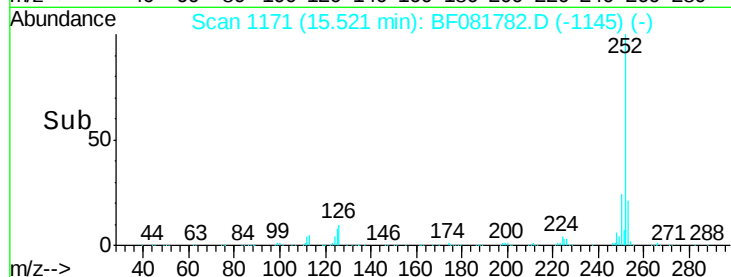
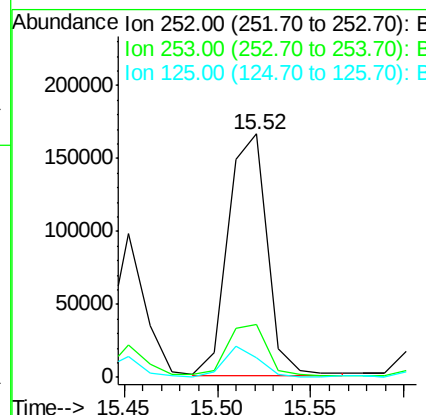
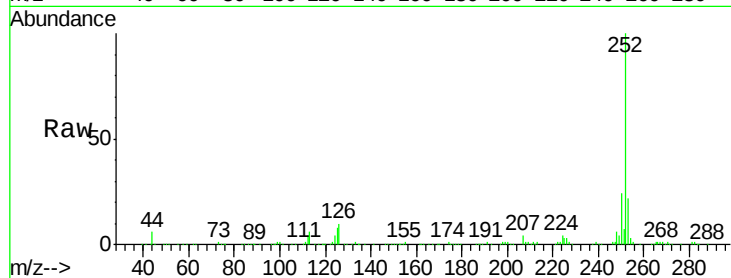
#89
Benzo(a)pyrene
Concen: 8.93 ng
RT: 15.52 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Instrument :
BNA_F
ClientSampleId :
MGP201-19-20DL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.6	17.2	25.8
125	7.9	18.0	27.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.17 ng
RT: 17.48 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF081782.D
Acq: 25 Sep 2015 00:33

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.3	17.8	26.6
138	22.0	34.6	51.8#

