

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\
 Data File : BF092880.D
 Acq On : 9 Feb 2017 11:16
 Operator : SJ/MA
 Sample : I1728-01DL 20X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMPDL

Manual Integrations
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mohammad
 2/10/2017 10:42:29 AM

Quant Time: Feb 09 12:46:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	130174	20.00	ng	-0.08
21) Naphthalene-d8	8.18	136	548393	20.00	ng	-0.08
38) Acenaphthene-d10	9.93	164	280336	20.00	ng	-0.08
63) Phenanthrene-d10	11.42	188	491330	20.00	ng	-0.07
75) Chrysene-d12	14.05	240	400274	20.00	ng	-0.09
86) Perylene-d12	15.51	264	333222	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	50310	6.63	ng	-0.09
7) Phenol-d6	6.52	99	64658	6.62	ng	-0.08
23) Nitrobenzene-d5	7.45	82	33587	3.41	ng	-0.09
41) 2,4,6-Tribromophenol	10.73	330	10273	5.07	ng	-0.08
44) 2-Fluorobiphenyl	9.25	172	78165	5.05	ng	-0.08
78) Terphenyl-d14	13.00	244	73616	4.32	ng	-0.08
Target Compounds						Qvalue
31) Naphthalene	8.20	128	194693	7.00	ng	98
37) 2-Methylnaphthalene	8.89	142	64172	3.60	ng	99
51) Acenaphthene	9.96	154	256370	15.63	ng	98
54) Dibenzofuran	10.13	168	219216	9.99	ng	96
57) Fluorene	10.48	166	288507	17.09	ng	98
70) Phenanthrene	11.45	178	1374168	48.82	ng	99
71) Anthracene	11.49	178	238629	8.44	ng	98
74) Fluoranthene	12.64	202	1549549	53.37	ng	98
77) Pyrene	12.87	202	1379975	46.07	ng	99
80) Benzo(a)anthracene	14.04	228	466708	19.06	ng	99
82) Chrysene	14.09	228	525099	22.91	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	49452	2.79	ng	93
87) Benzo(b)fluoranthene	15.08	252	301851m	13.76	ng	
88) Benzo(k)fluoranthene	15.09	252	149805m	7.91	ng	
89) Benzo(a)pyrene	15.44	252	148654	7.84	ng	98
91) Benzo(g,h,i)perylene	17.36	276	40087	2.59	ng	# 91

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

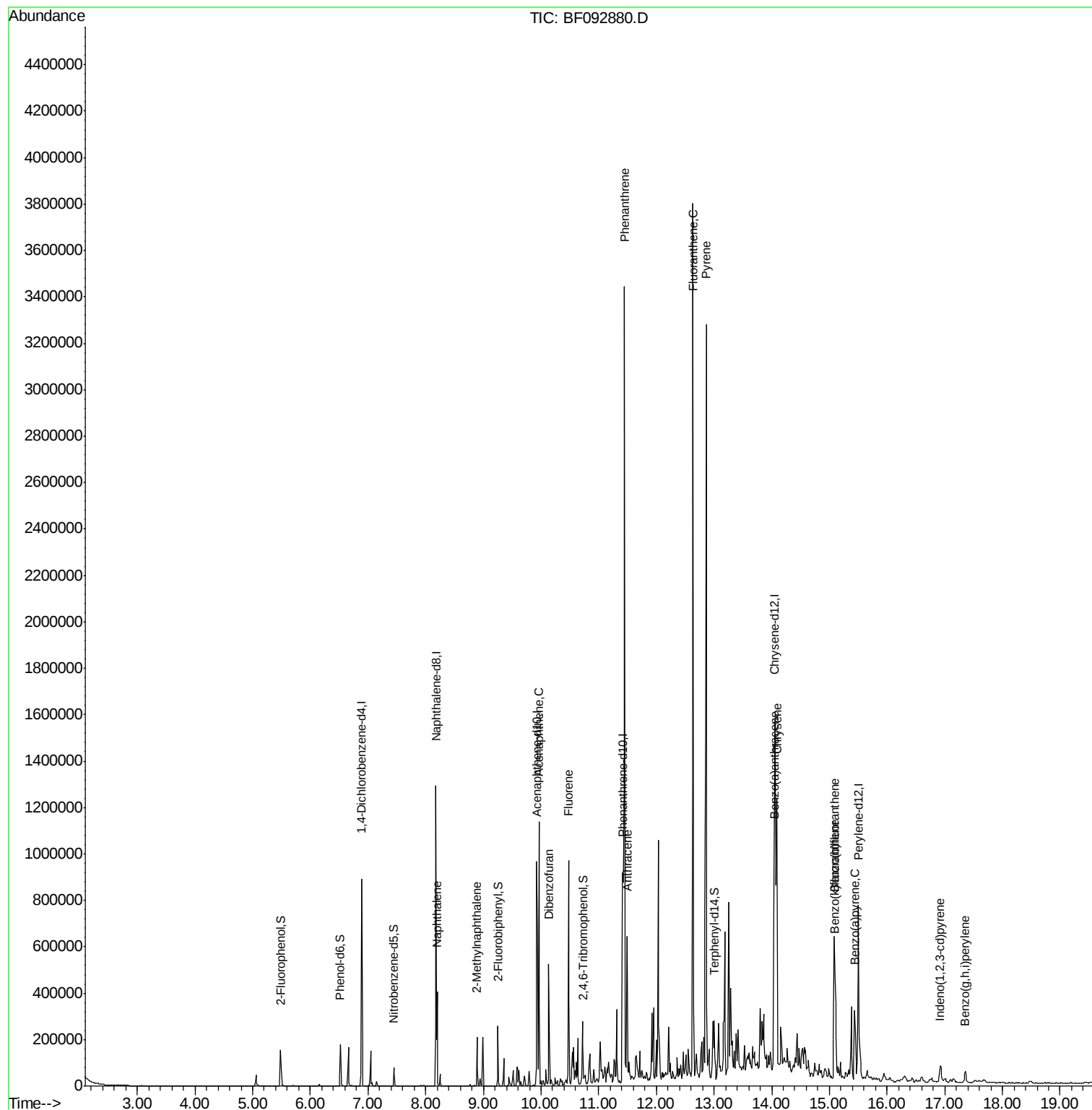
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020817\
Data File : BF092880.D
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ALS Vial : 3 Sample Multiplier: 1

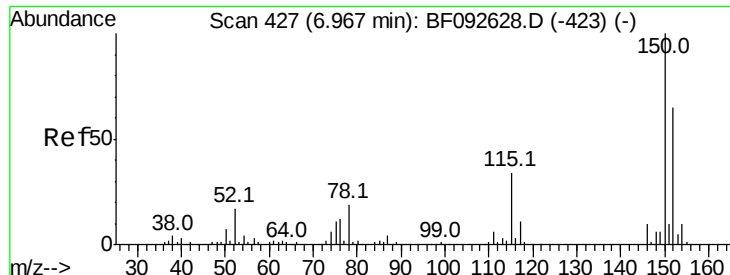
Instrument :
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#1

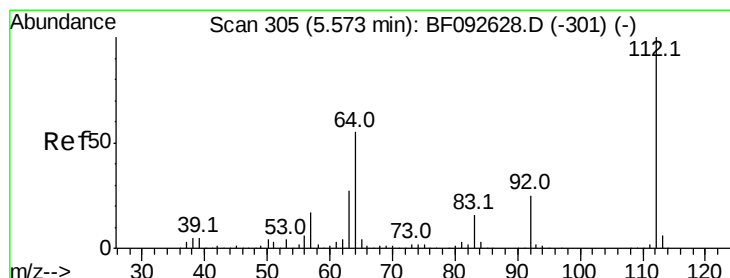
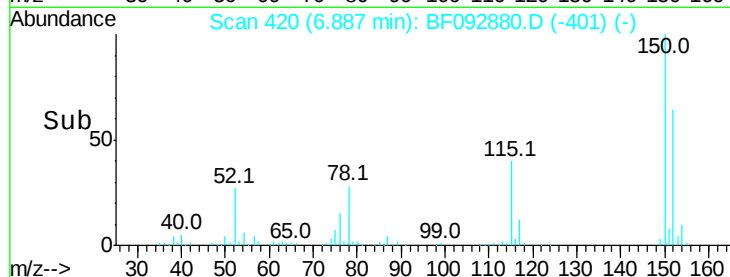
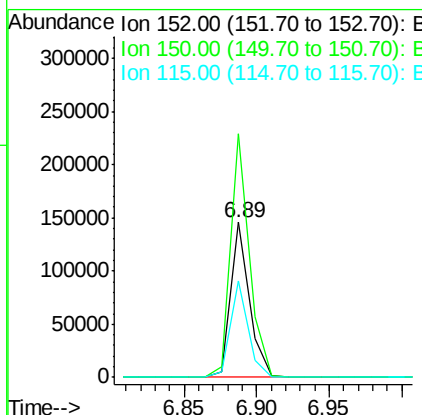
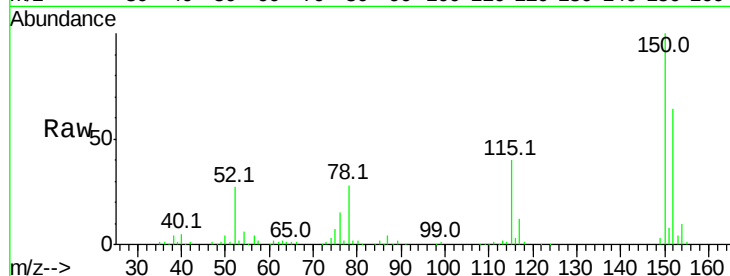
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.08 min
Lab File: BF092880.D
Acq: 9 Feb 2017 11:16

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	62.3	46.0	69.0

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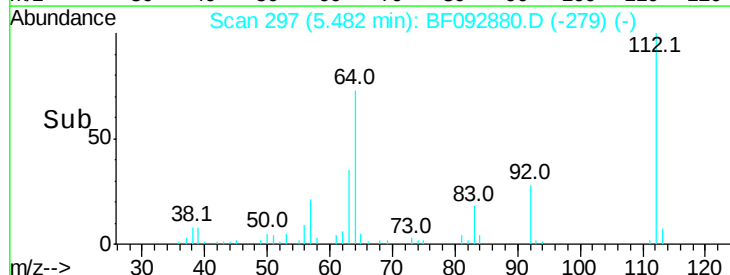
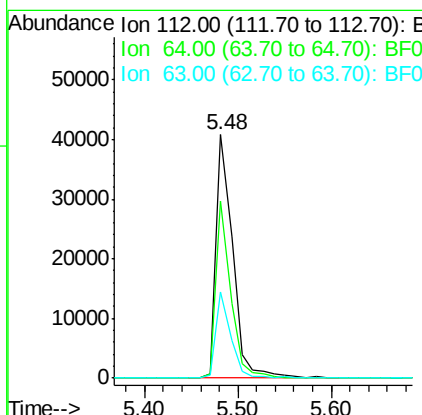
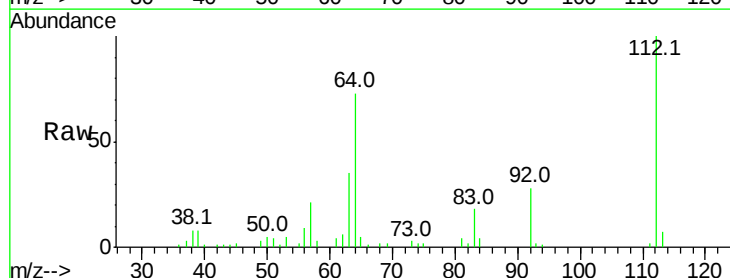
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#5

2-Fluorophenol
Concen: 6.63 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.09 min
Lab File: BF092880.D
Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	46.1	69.1#
63	35.3	23.8	35.6





#7

Phenol-d6

Concen: 6.62 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

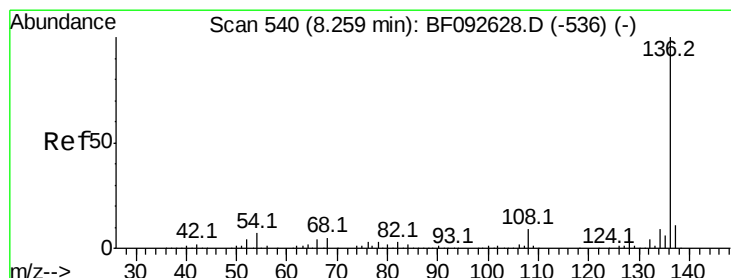
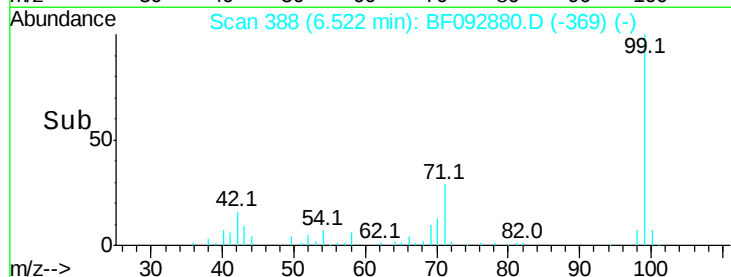
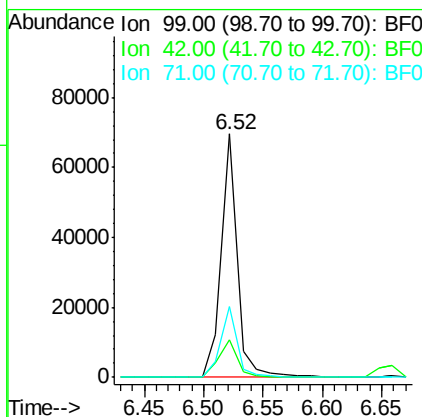
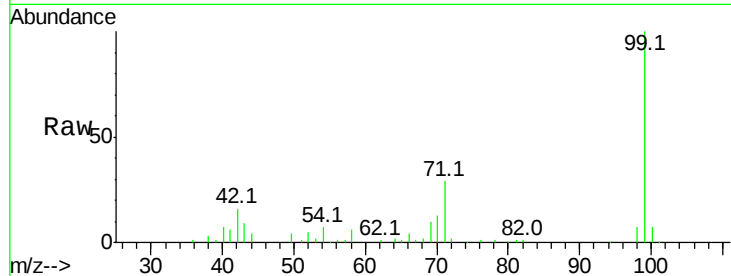
ClientSampleId :

ROLL-OFF-R2-COMPDL

Tot Ion:	99	Resp:	64658
Ion Ratio	Lower	Upper	
99	100		
42	15.5	15.6	23.4#
71	29.2	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

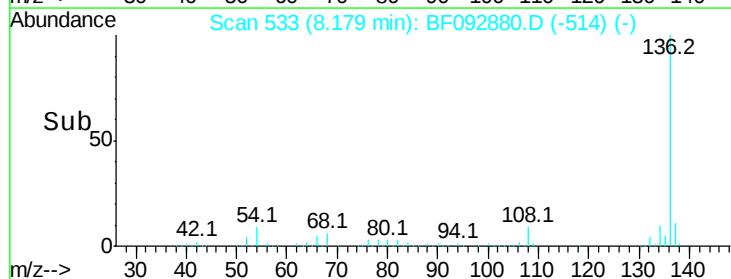
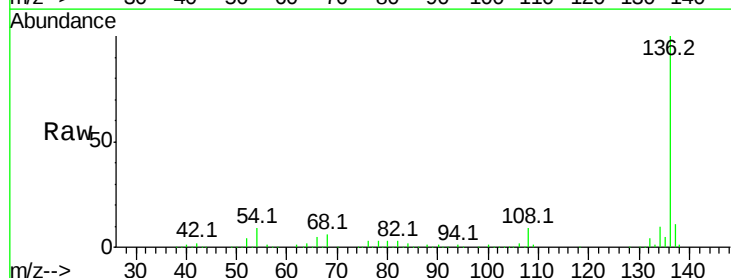
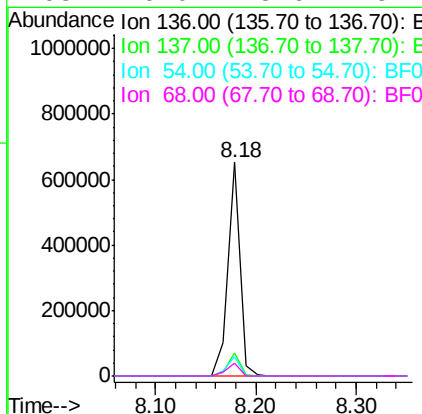
RT: 8.18 min Scan# 533

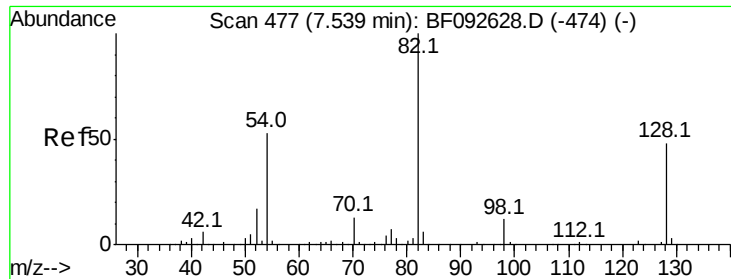
Delta R.T. -0.08 min

Lab File: BF092880.D

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Tgt Ion:	136	Resp:	548393
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.4	12.6
54	9.2	4.5	6.7#
68	6.0	3.6	5.4#





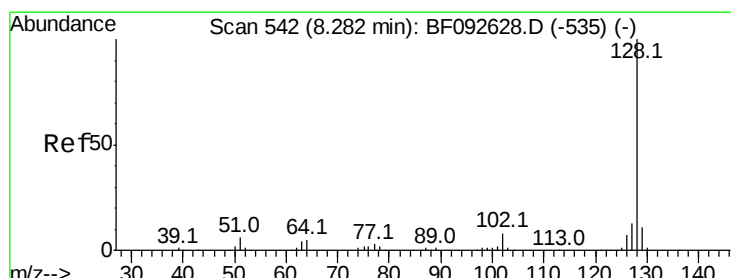
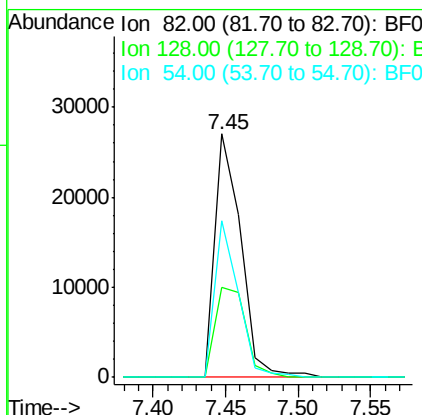
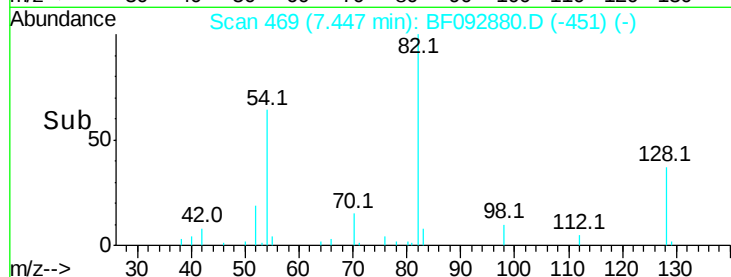
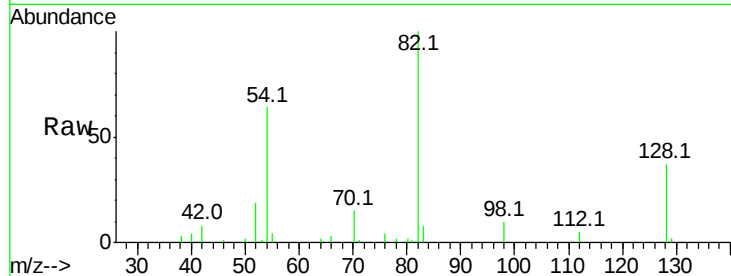
#23
 Nitrobenzene-d5
 Concen: 3.41 ng
 RT: 7.45 min Scan# 469
 Delta R.T. -0.09 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.8	34.6	52.0
54	64.3	39.5	59.3

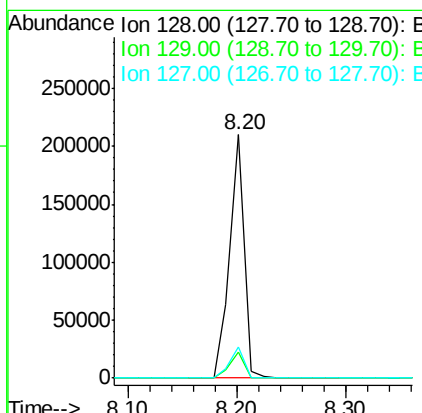
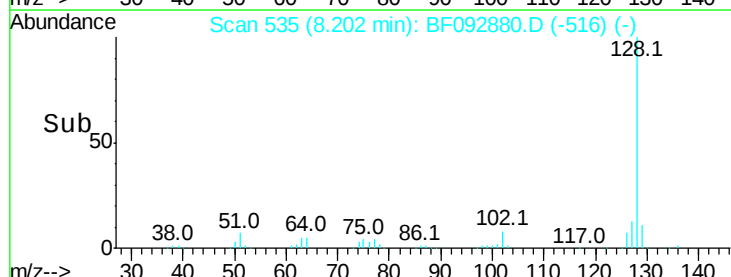
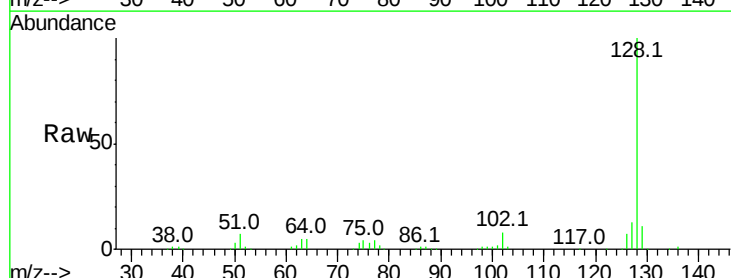
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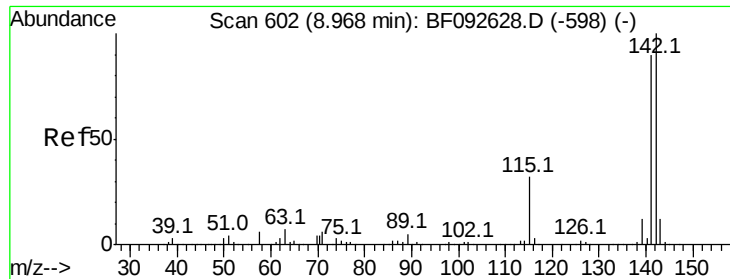
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#31
 Naphthalene
 Concen: 7.00 ng
 RT: 8.20 min Scan# 535
 Delta R.T. -0.08 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.5	14.3
127	12.8	10.8	16.2





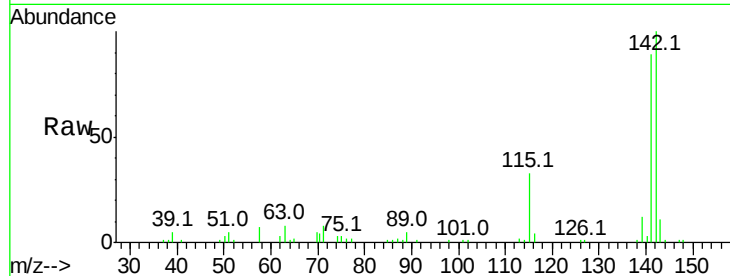
#37
 2-Methylnaphthalene
 Concen: 3.60 ng
 RT: 8.89 min Scan# 595
 Delta R.T. -0.08 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.0	106.6
115	32.9	28.3	42.5

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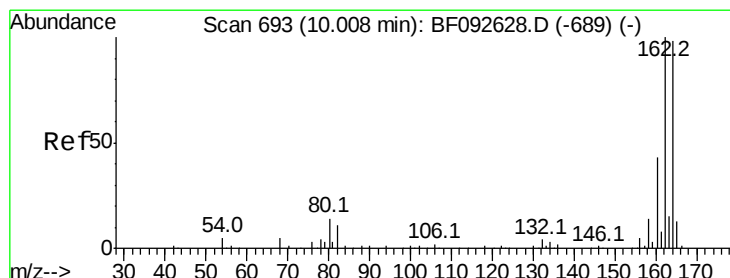
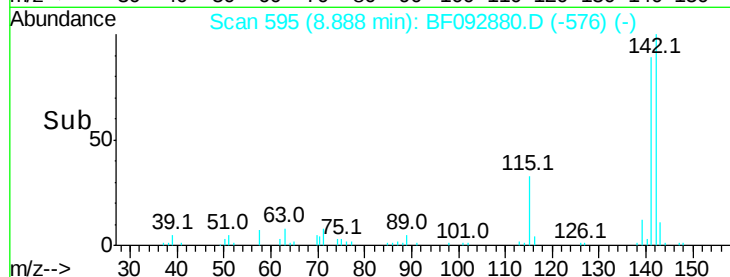
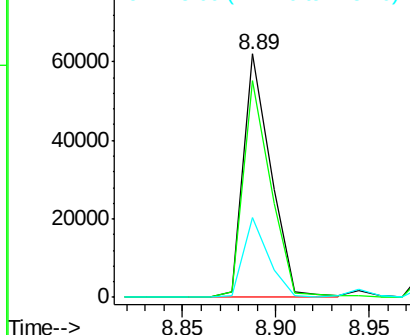


Abundance

Ion 142.00 (141.70 to 142.70): E

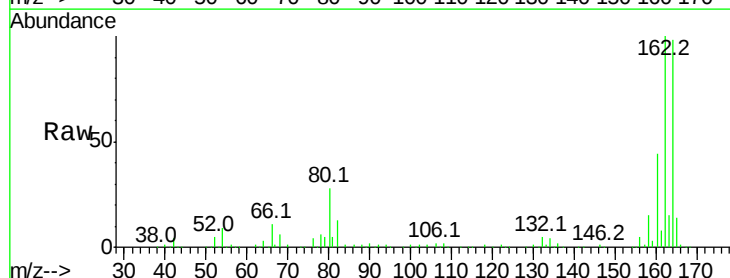
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.08 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.2	120.2
160	44.9	36.9	55.3

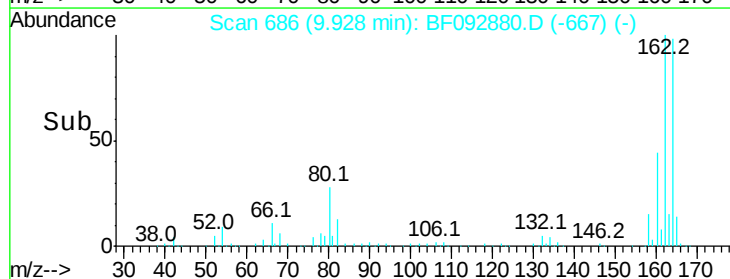
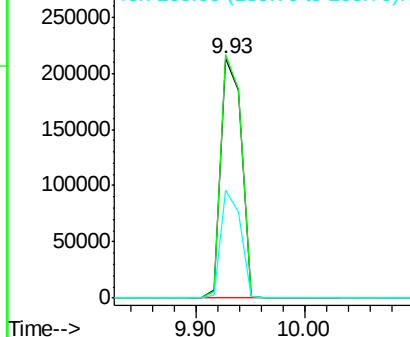


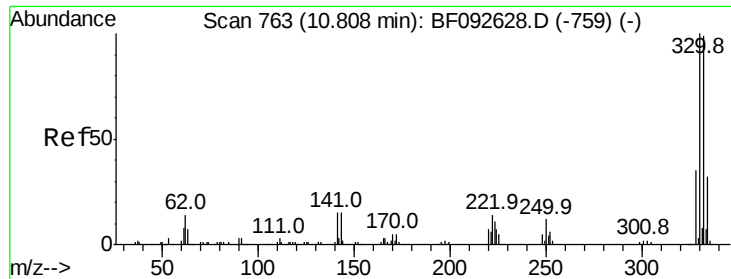
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





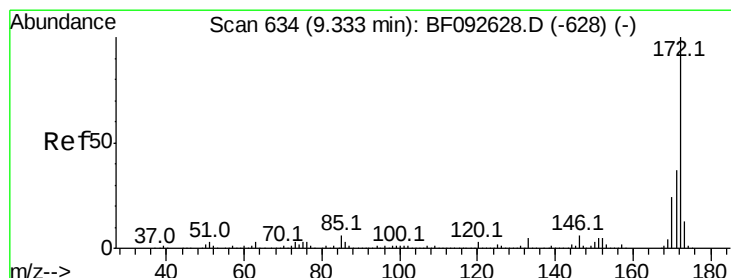
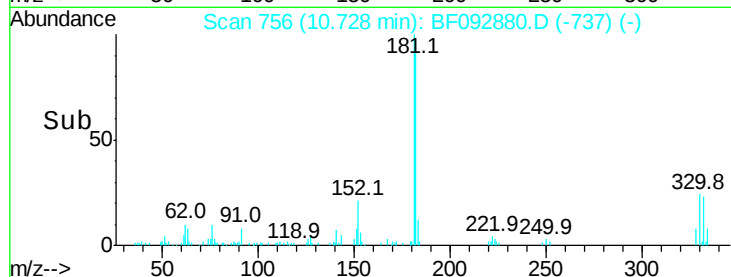
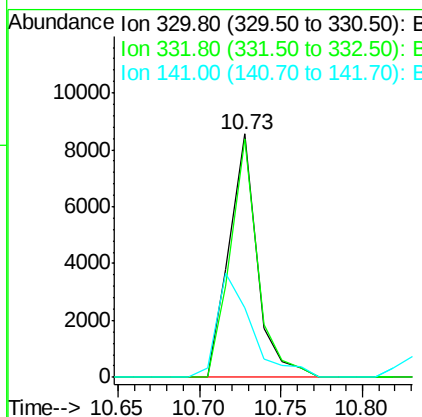
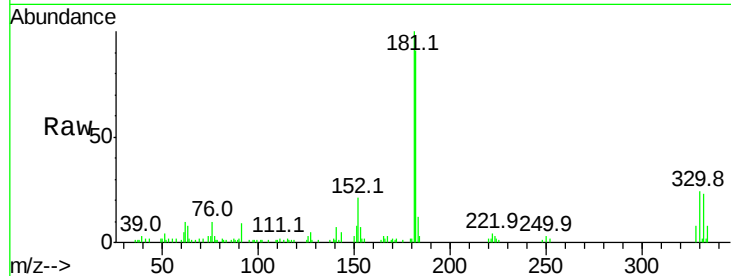
#41
 2,4,6-Tribromophenol
 Concen: 5.07 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.08 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	52.3	34.1	51.1#

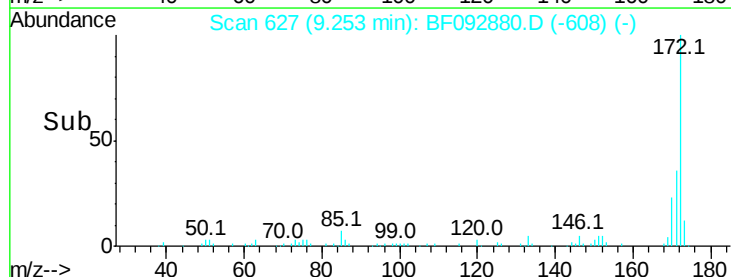
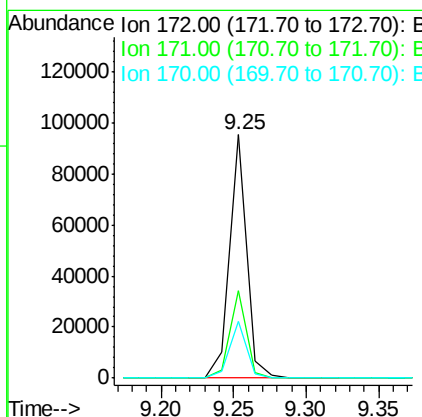
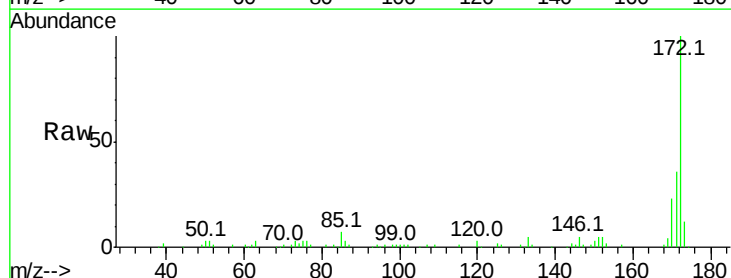
Manual Integrations
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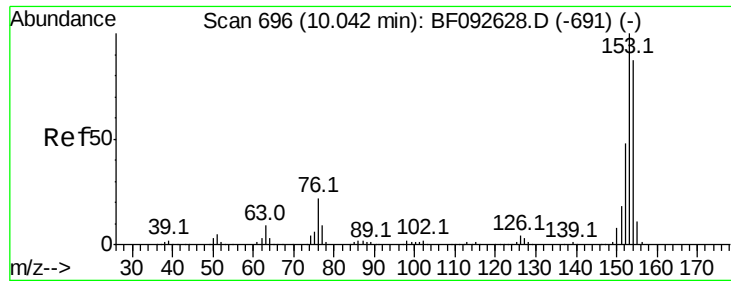
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#44
 2-Fluorobiphenyl
 Concen: 5.05 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.08 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	23.2	20.2	30.4





#51

Acenaphthene

Concen: 15.63 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

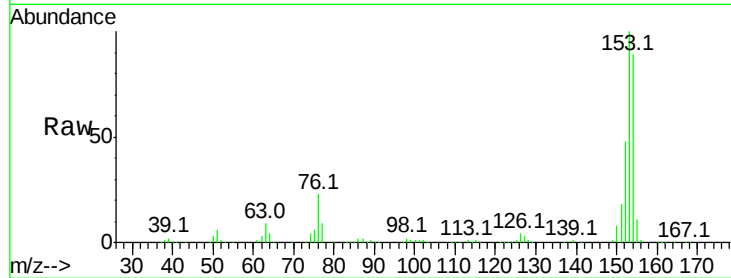
ClientSampleId :

ROLL-OFF-R2-COMPDL

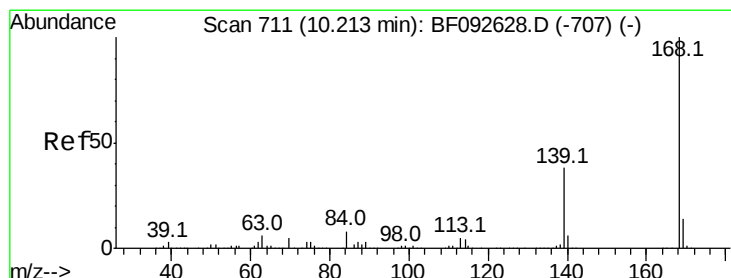
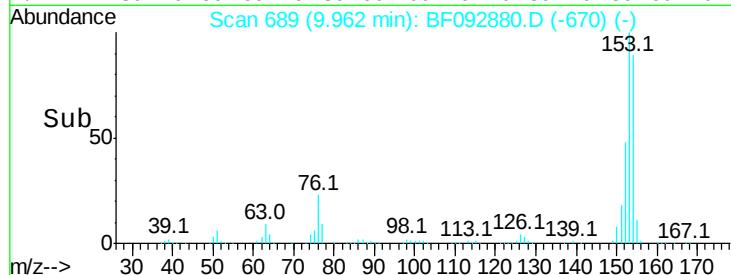
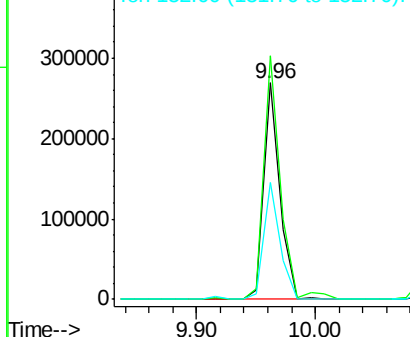
Tot Ion:	154	Resp:	256370
Ion Ratio	Lower	Upper	
154	100		
153	112.4	88.6	133.0
152	54.2	41.6	62.4

Manual Integrations
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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



#54

Dibenzofuran

Concen: 9.99 ng

RT: 10.13 min Scan# 704

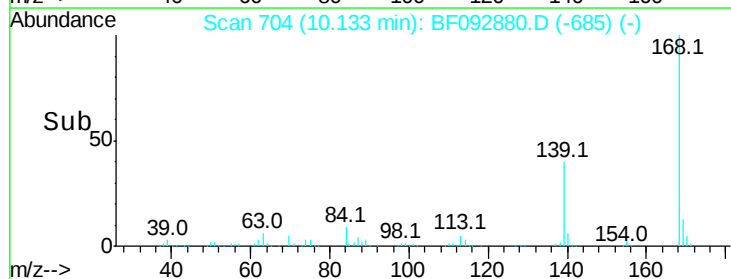
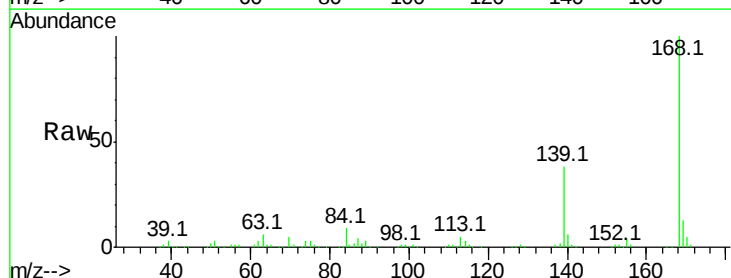
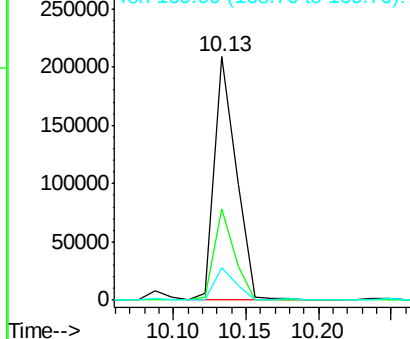
Delta R.T. -0.08 min

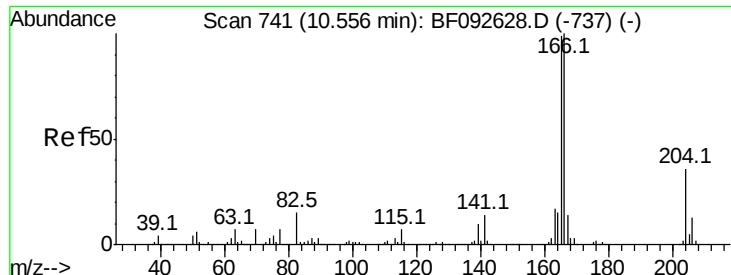
Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Tgt Ion:	168	Resp:	219216
Ion Ratio	Lower	Upper	
168	100		
139	37.6	32.6	49.0
169	13.4	11.3	16.9

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





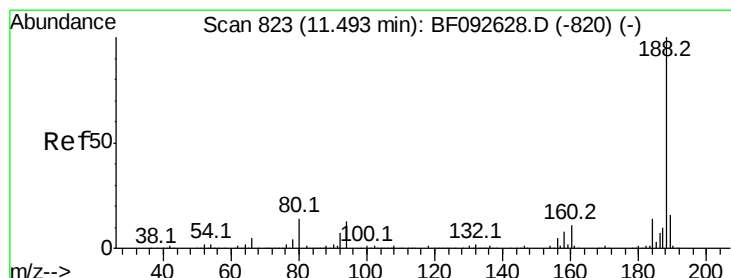
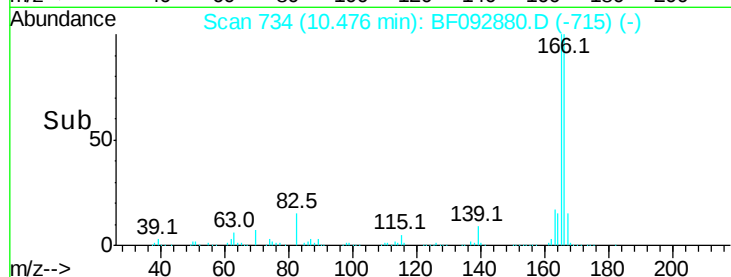
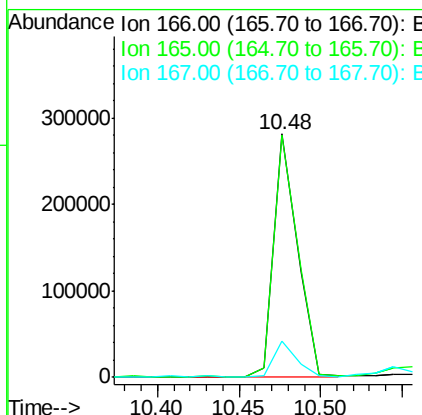
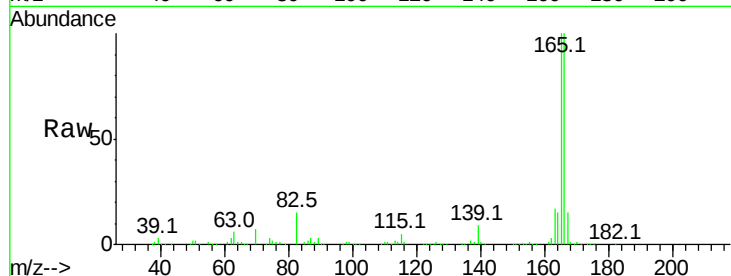
#57
Fluorene
 Concen: 17.09 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.08 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	288507		
165	99.6	77.8	116.8	
167	14.7	10.8	16.2	

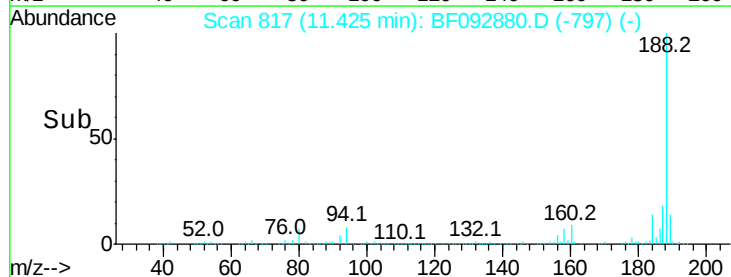
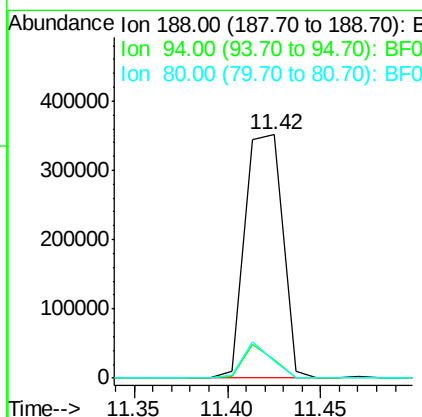
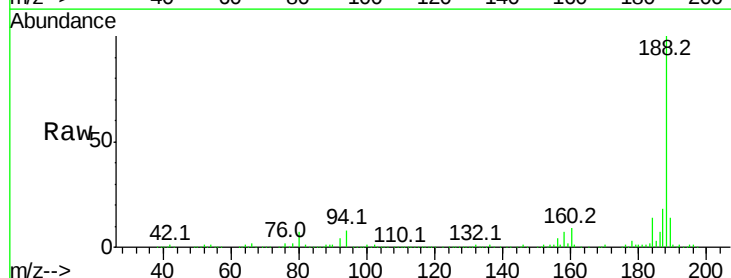
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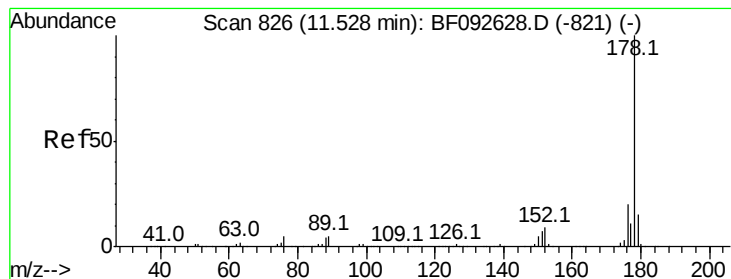
mohammad
 2/10/2017 10:42:29 AM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.07 min
 Lab File: BF092880.D
 Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	491330		
94	7.7	10.0	15.0#	
80	7.1	11.2	16.8#	





#70

Phenanthrene

Concen: 48.82 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMPDL

Tot Ion:178 Resp: 1374168

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

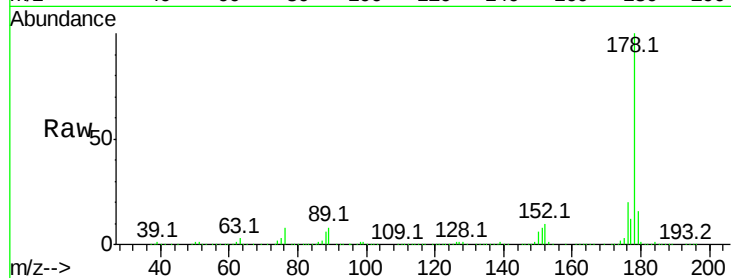
179 15.6 12.8 19.2

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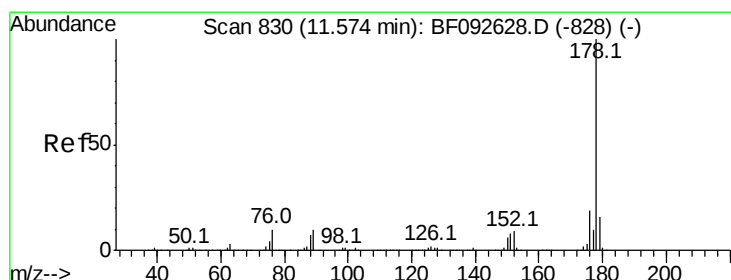
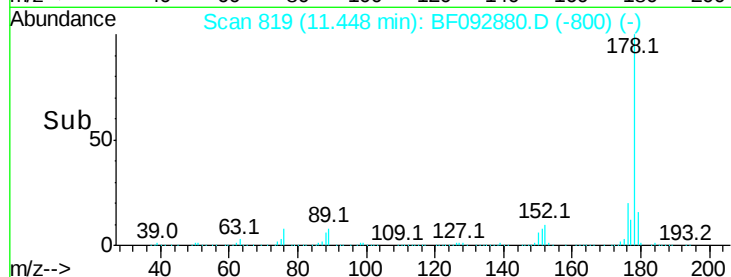
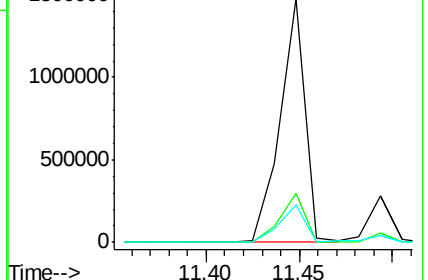
2/10/2017 10:42:29 AM



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: 8.44 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

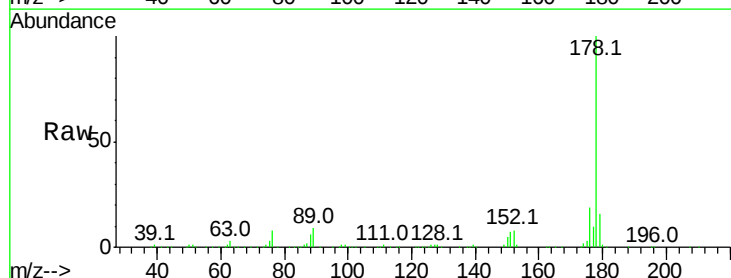
Tgt Ion:178 Resp: 238629

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

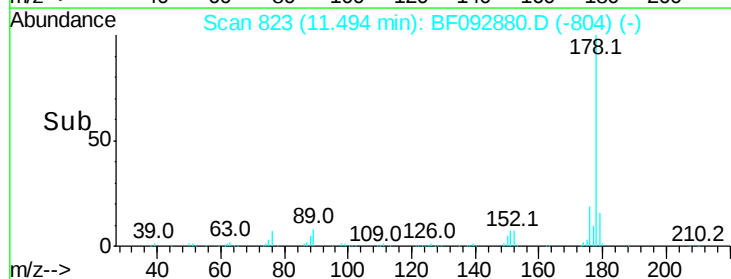
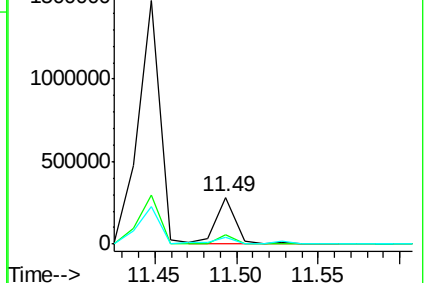
179 15.8 13.2 19.8

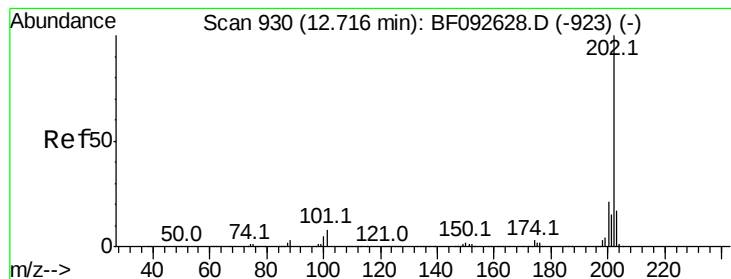


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 53.37 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

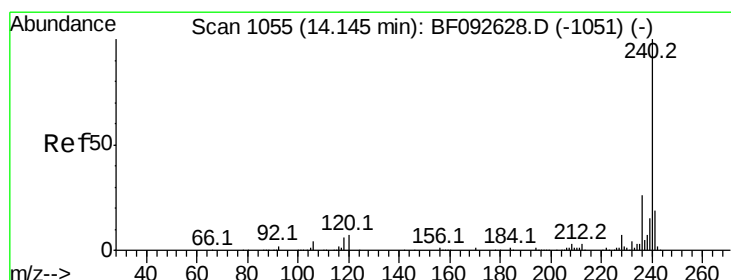
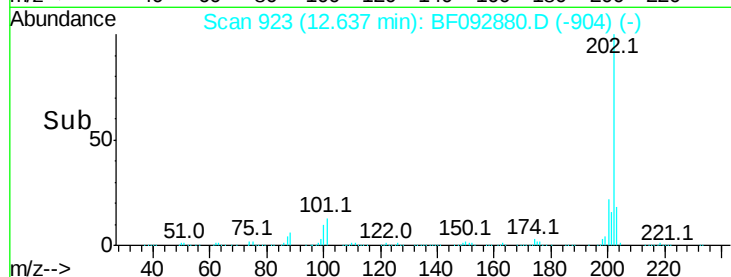
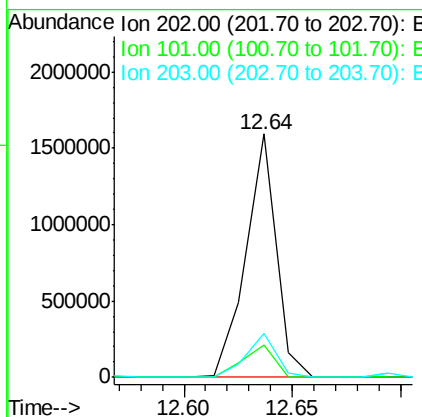
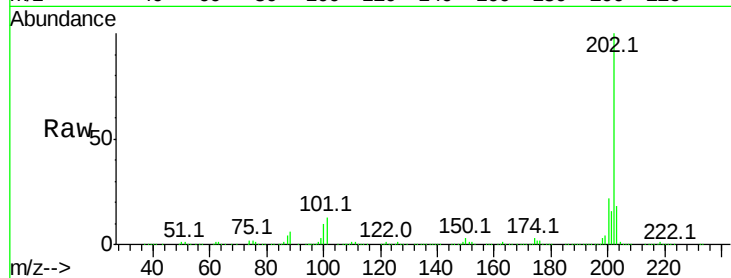
ClientSampleId :

ROLL-OFF-R2-COMPDL

Tot Ion:	202	Resp:	1549549
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.6
203	18.1	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

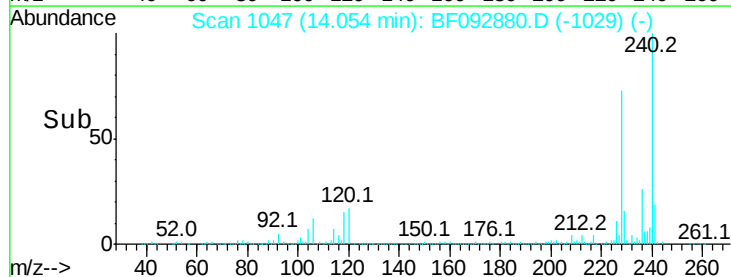
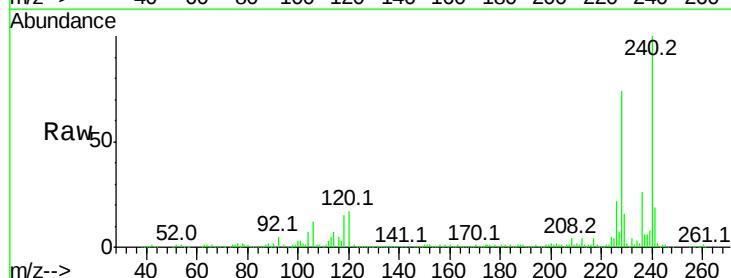
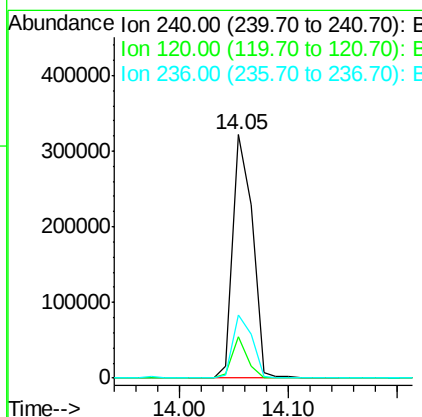
RT: 14.05 min Scan# 1047

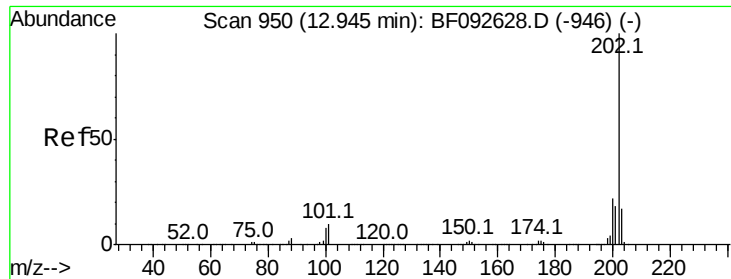
Delta R.T. -0.09 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Tgt Ion:	240	Resp:	400274
Ion	Ratio	Lower	Upper
240	100		
120	17.2	12.9	19.3
236	25.7	20.9	31.3





#77

Pvrene

Concen: 46.07 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-R2-COMPDL

Tot Ion:202 Resp: 1379975

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

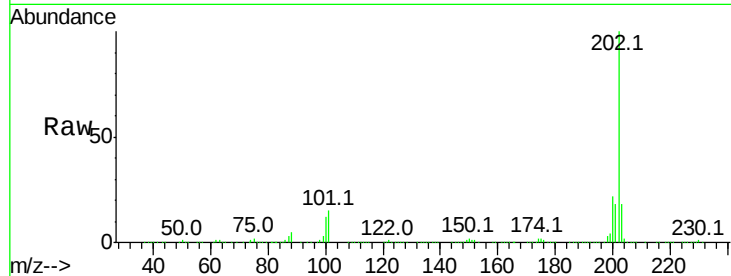
203 18.0 14.7 22.1

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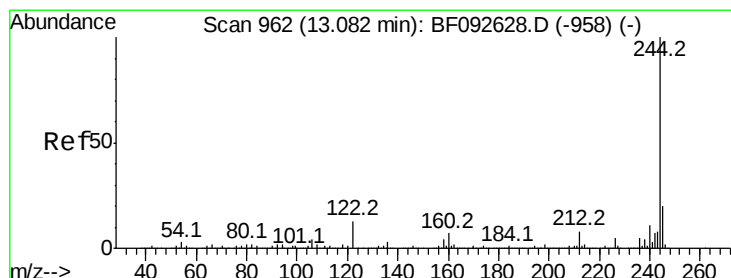
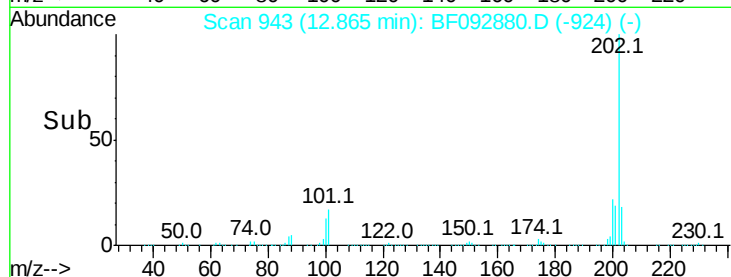
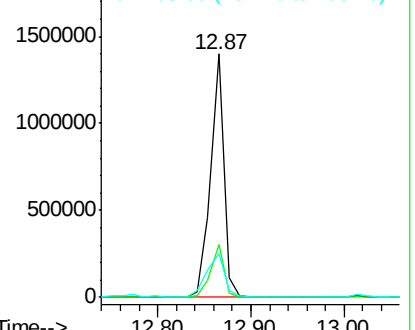
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.32 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.08 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

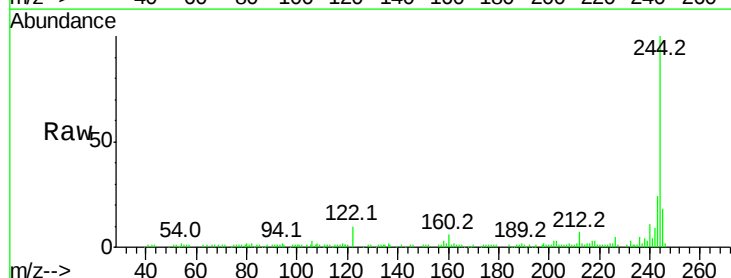
Tgt Ion:244 Resp: 73616

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

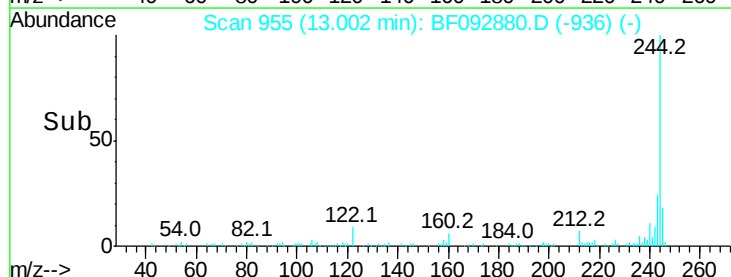
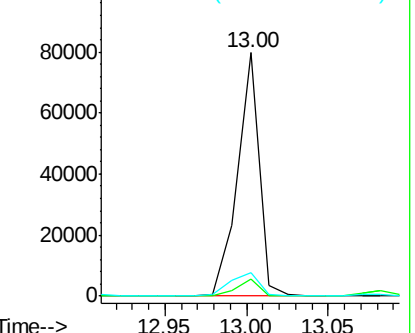
122 9.8 11.4 17.2#

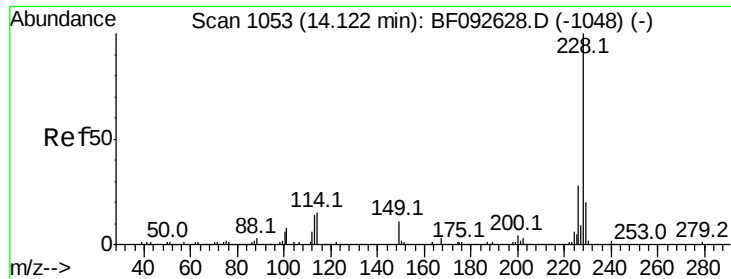


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





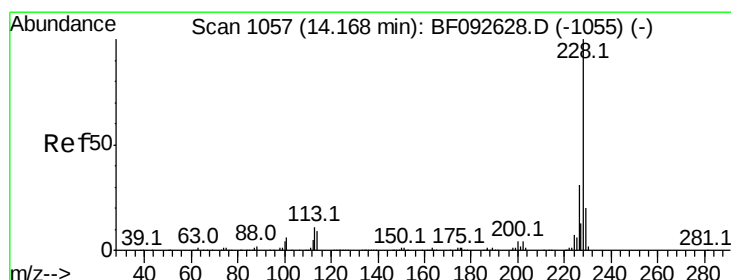
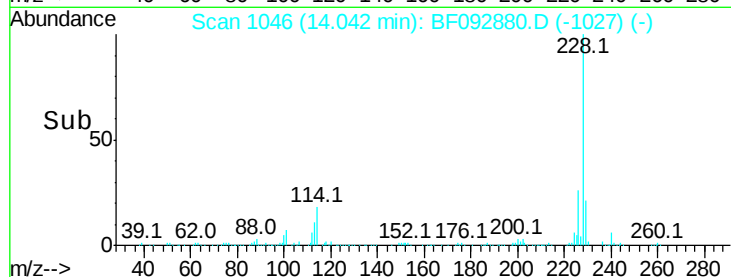
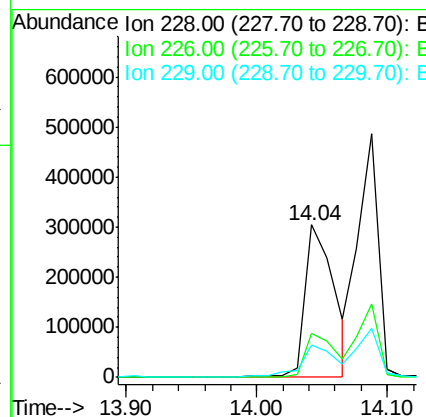
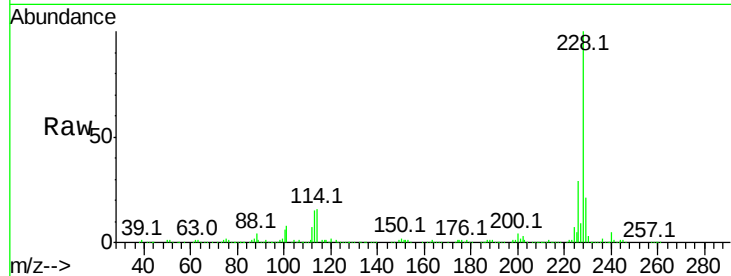
#80
Benzo(a)anthracene
Concen: 19.06 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.08 min
Lab File: BF092880.D
Acq: 9 Feb 2017 11:16

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.4	33.6
229	21.1	16.2	24.4

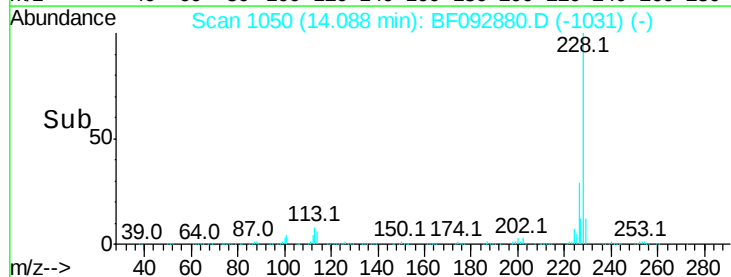
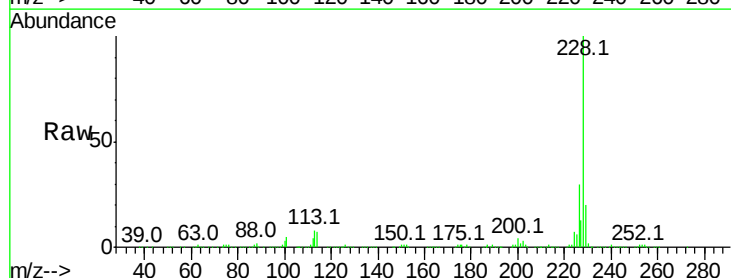
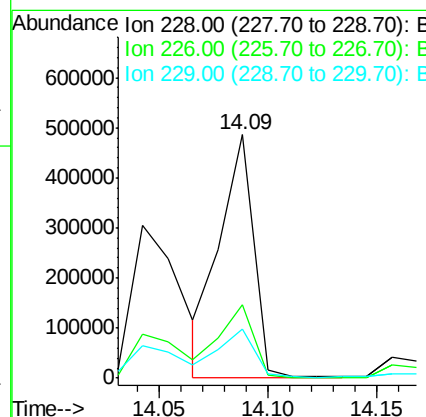
Manual Integrations
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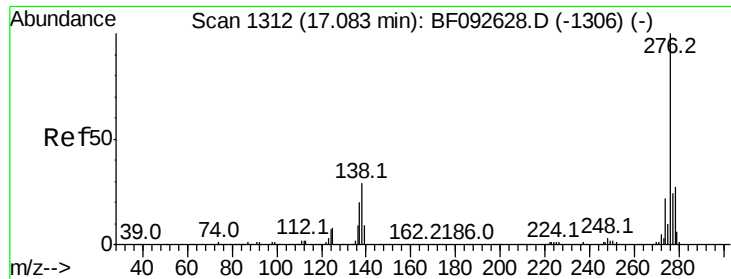
mohammad
2/10/2017 10:42:29 AM



#82
Chrysene
Concen: 22.91 ng
RT: 14.09 min Scan# 1050
Delta R.T. -0.08 min
Lab File: BF092880.D
Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	20.0	16.2	24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.79 ng

RT: 16.92 min Scan# 1298

Delta R.T. -0.16 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

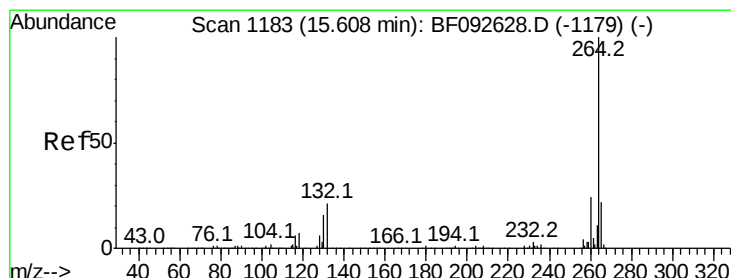
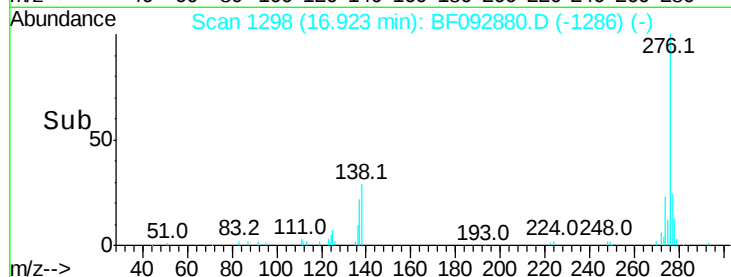
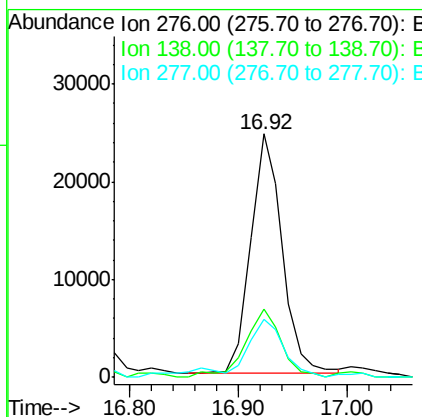
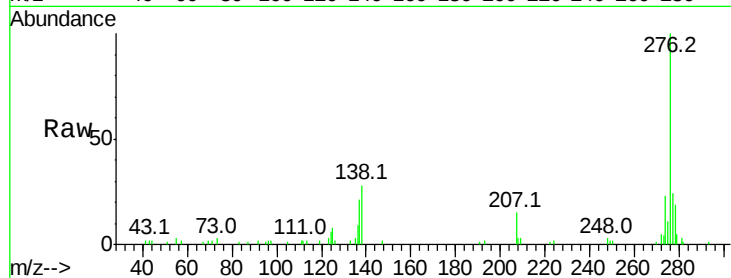
ClientSampleId :

ROLL-OFF-R2-COMPDL

Tot Ion:	276	Resp:	49452
Ion Ratio	Lower	Upper	
276	100		
138	32.6	21.8	32.6
277	26.5	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

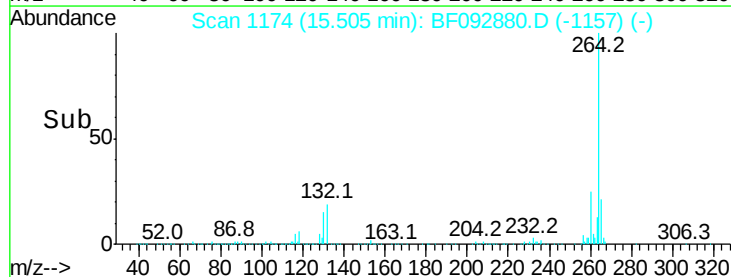
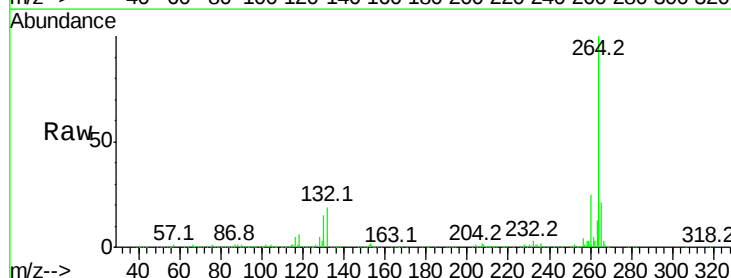
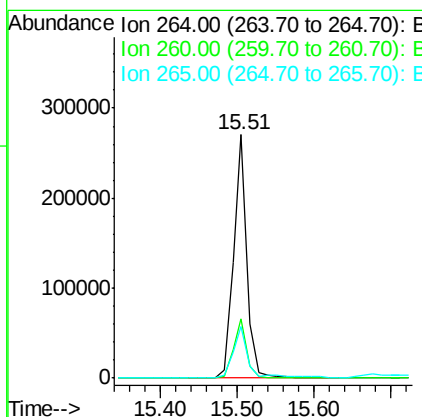
RT: 15.51 min Scan# 1174

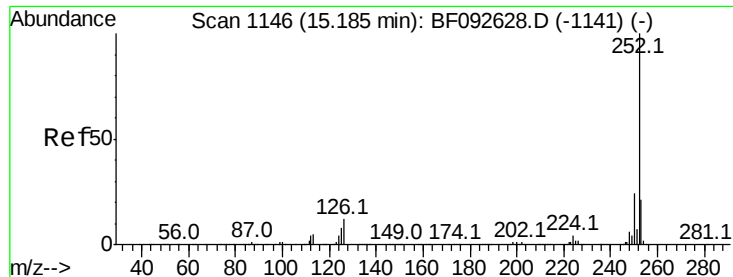
Delta R.T. -0.10 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Tgt Ion:	264	Resp:	333222
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 13.76 ng m

RT: 15.08 min Scan# 1137

Delta R.T. -0.10 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Instrument :

BNA_F

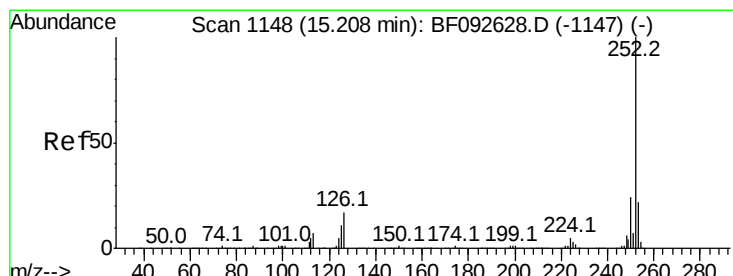
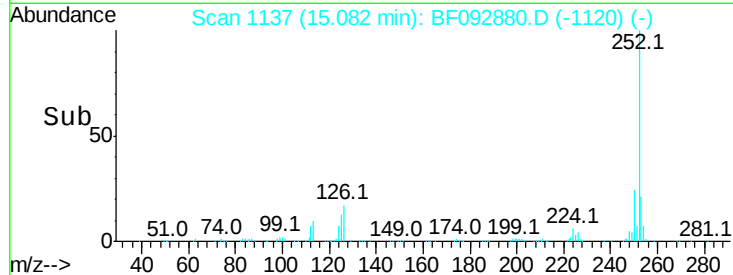
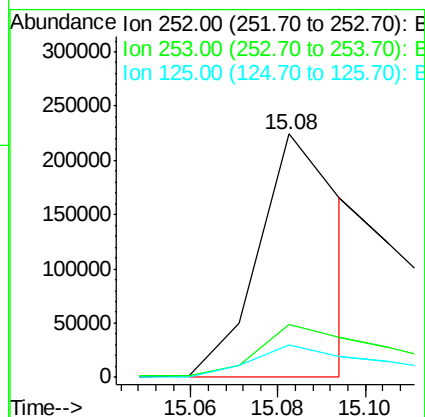
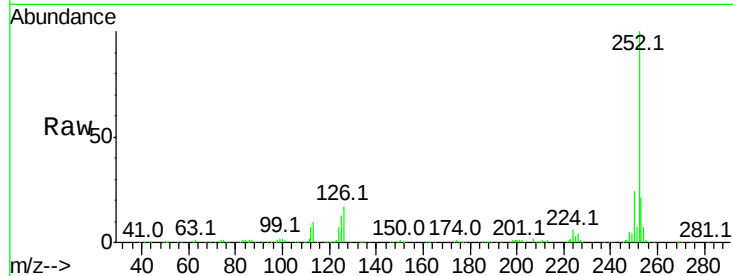
ClientSampleId :

ROLL-OFF-R2-COMPDL

Tot Ion:	252	Resp:	301851
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.2	27.4
125	13.2	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 7.91 ng m

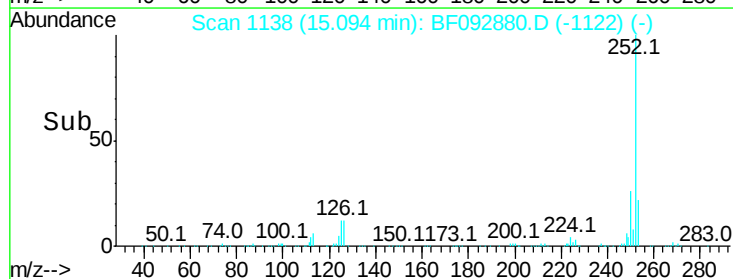
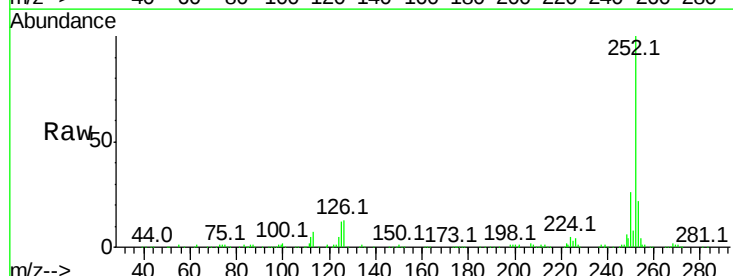
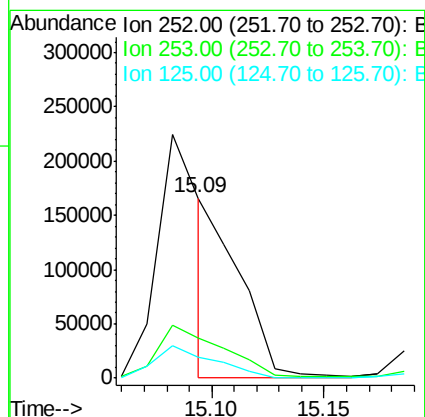
RT: 15.09 min Scan# 1138

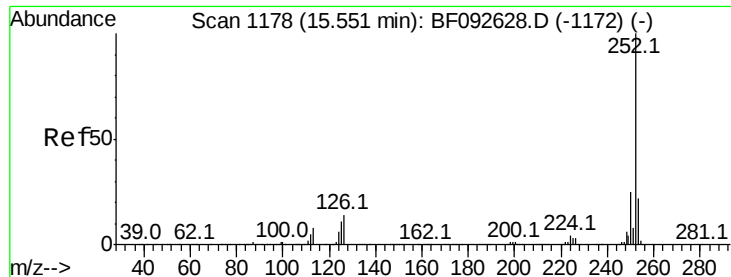
Delta R.T. -0.11 min

Lab File: BF092880.D

Acq: 9 Feb 2017 11:16

Tgt Ion:	252	Resp:	149805
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.5	27.7
125	11.9	8.9	13.3





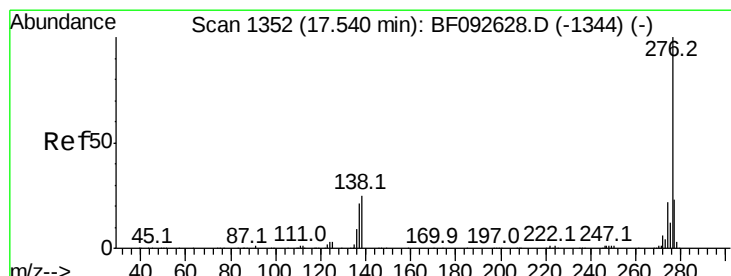
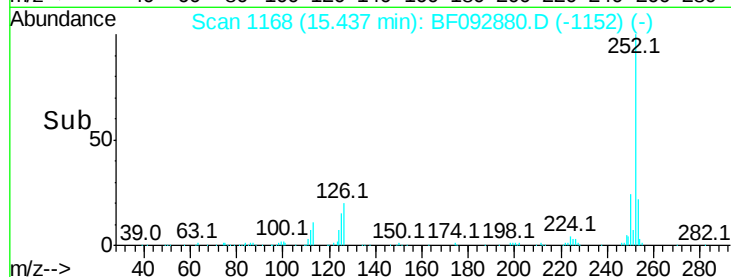
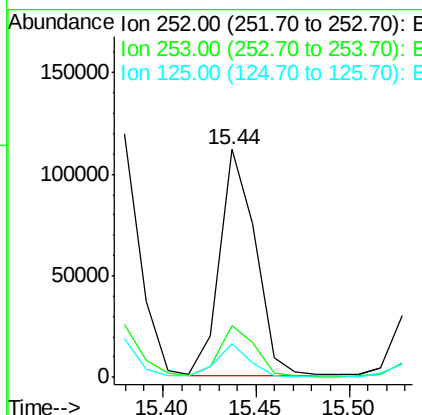
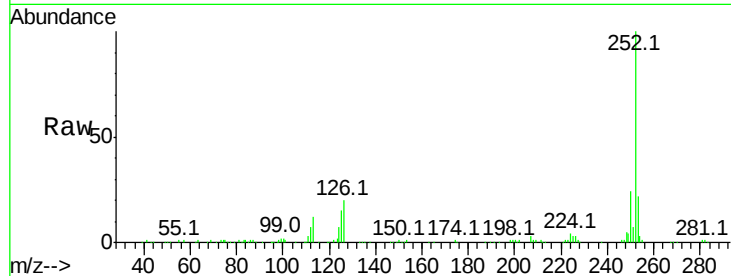
#89
Benzo(a)pyrene
Concen: 7.84 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.11 min
Lab File: BF092880.D
Acq: 9 Feb 2017 11:16

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-R2-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.8	10.0	15.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.59 ng
RT: 17.36 min Scan# 1336
Delta R.T. -0.18 min
Lab File: BF092880.D
Acq: 9 Feb 2017 11:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.2	28.8
138	28.0	16.0	24.0

