

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
 Data File : BF092741.D
 Acq On : 2 Feb 2017 18:04
 Operator : SJ/MA
 Sample : I1659-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CENTER-COMP

Manual Integrations
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mohammad
 2/3/2017 1:22:25 PM

Quant Time: Feb 03 00:29:45 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	6.93	152	166525	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	600201	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	297377	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	484409	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	331207	20.00	ng	-0.05
86) Perylene-d12	15.56	264	303803	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	830087	85.52	ng	-0.03
7) Phenol-d6	6.57	99	1081135	86.57	ng	-0.03
23) Nitrobenzene-d5	7.50	82	557965	51.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.76	330	176822	82.21	ng	-0.05
44) 2-Fluorobiphenyl	9.30	172	947062	57.70	ng	-0.03
78) Terphenyl-d14	13.05	244	792669	56.23	ng	-0.03
Target Compounds						
10) Phenol	6.59	94	46739	3.20	ng	Qvalue # 65
49) Dimethylphthalate	9.69	163	119421	5.96	ng	98
51) Acenaphthene	10.01	154	43195	2.48	ng	96
57) Fluorene	10.52	166	47518	2.65	ng	99
70) Phenanthrene	11.48	178	608128	21.91	ng	97
71) Anthracene	11.54	178	146232	5.25	ng	95
72) Carbazole	11.69	167	80624	3.03	ng	98
74) Fluoranthene	12.67	202	773113	27.01	ng	98
77) Pyrene	12.90	202	674103	27.20	ng	99
80) Benzo(a)anthracene	14.09	228	313656m	15.48	ng	
82) Chrysene	14.12	228	287345m	15.15	ng	
83) Bis(2-ethylhexyl)phthalate	14.08	149	302831	22.00	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.00	276	168875	11.50	ng	99
87) Benzo(b)fluoranthene	15.13	252	363443m	18.18	ng	
88) Benzo(k)fluoranthene	15.15	252	82918m	4.80	ng	
89) Benzo(a)pyrene	15.49	252	237867	13.75	ng	99
90) Dibenzo(a,h)anthracene	17.01	278	38692m	2.77	ng	
91) Benzo(g,h,i)perylene	17.45	276	157459	11.15	ng	# 93

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

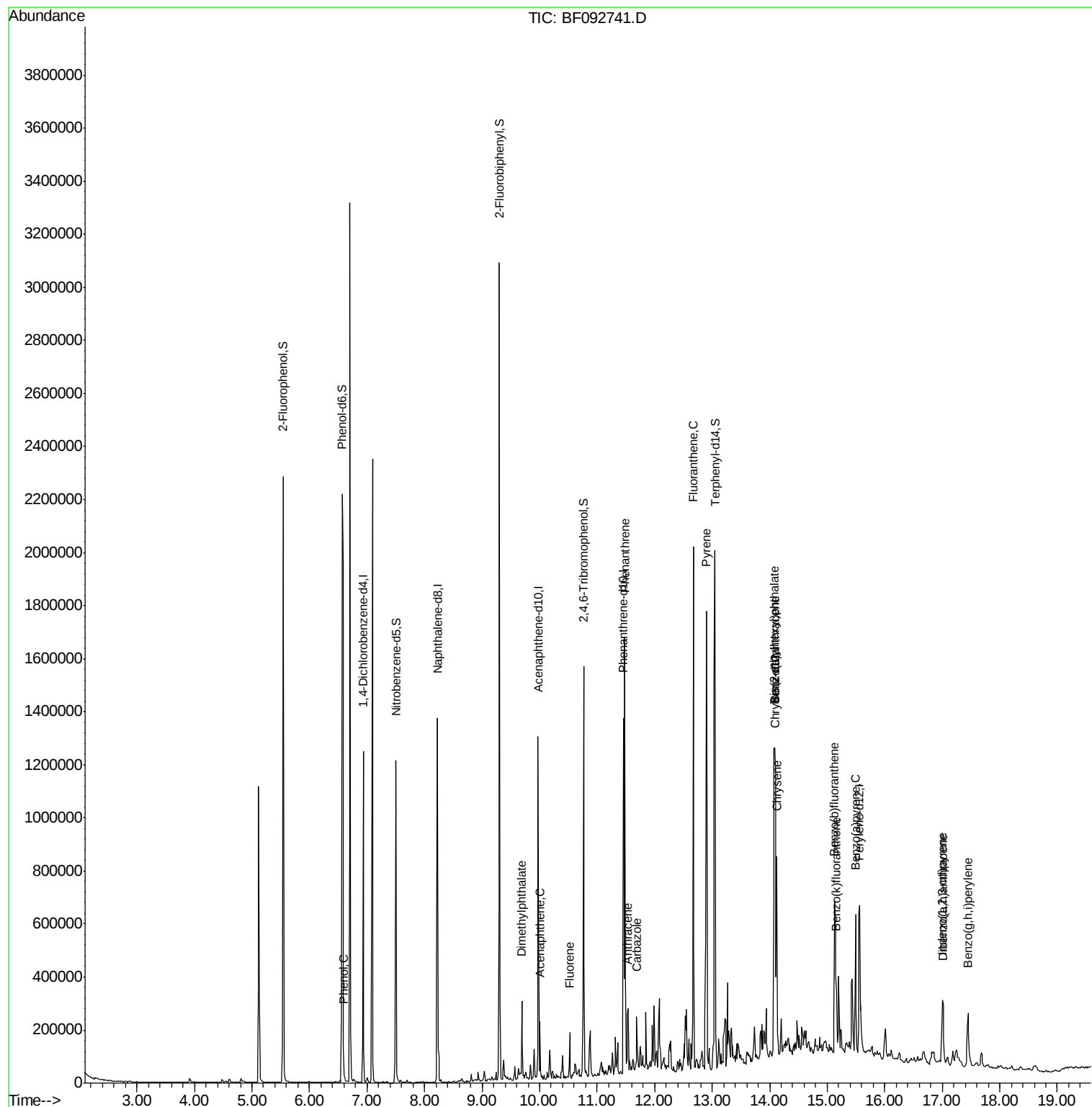
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
Data File : BF092741.D
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ALS Vial : 7 Sample Multiplier: 1

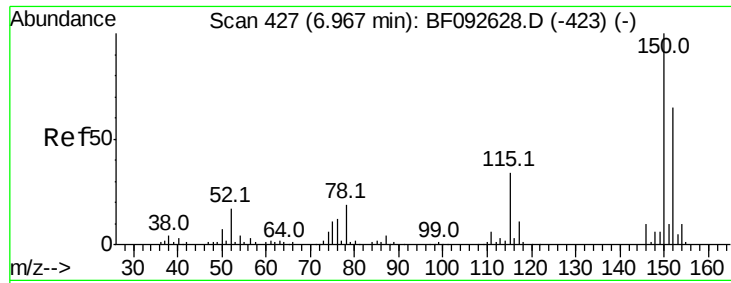
Instrument :
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#1

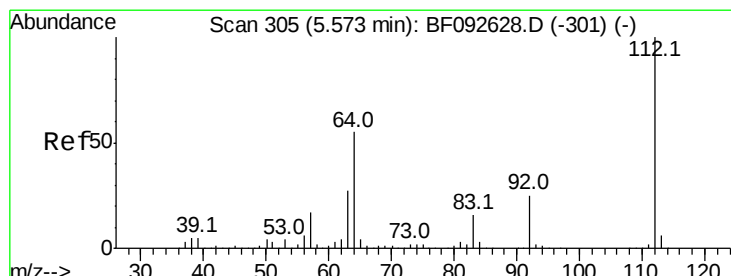
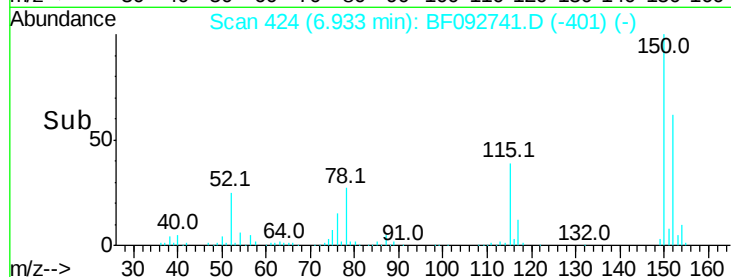
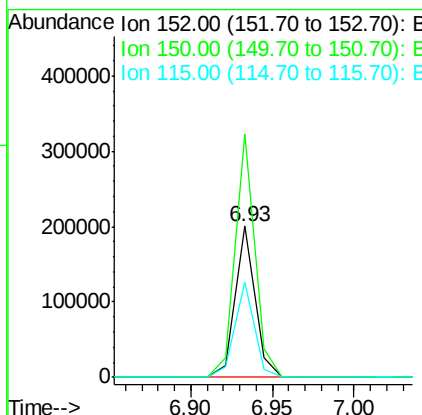
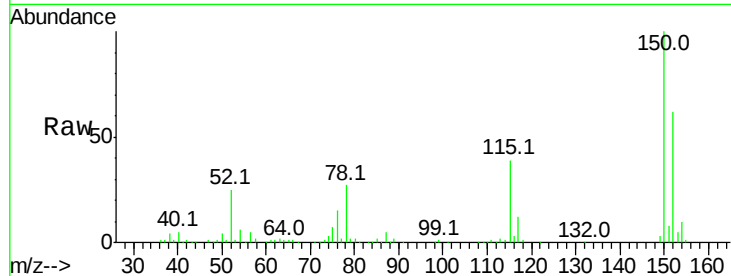
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
CENTER-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	124.9	187.3
115	62.6	46.0	69.0

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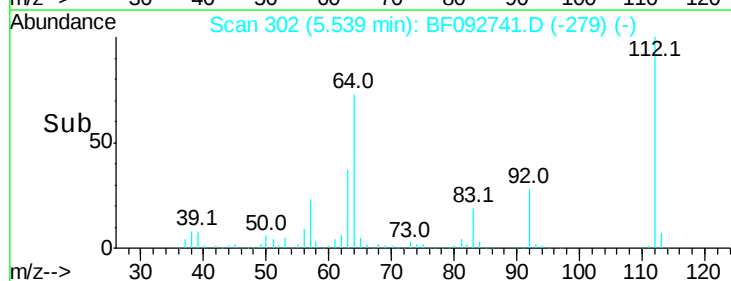
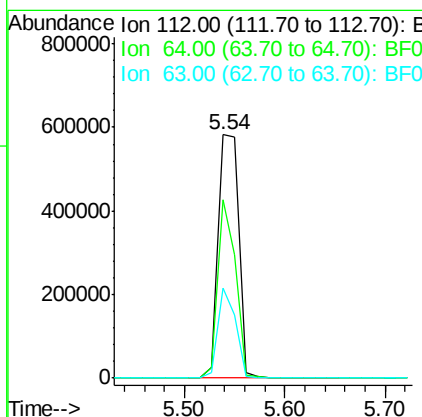
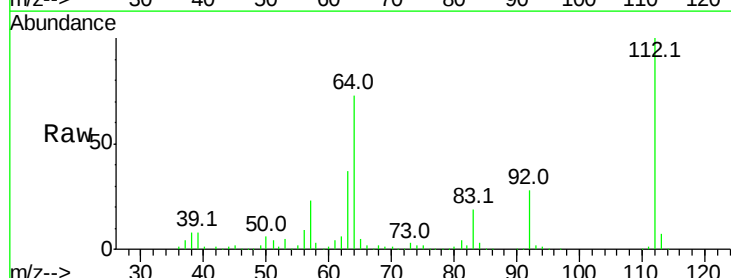
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#5

2-Fluorophenol
Concen: 85.52 ng
RT: 5.54 min Scan# 302
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	46.1	69.1#
63	36.7	23.8	35.6#





#7

Phenol-d6

Concen: 86.57 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.03 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Instrument :

BNA_F

ClientSampleId :

CENTER-COMP

Tot Ion: 99 Resp: 1081135

Ion Ratio Lower Upper

99 100

42 22.3 15.6 23.4

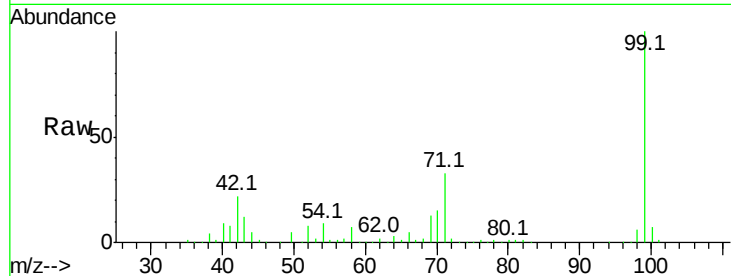
71 33.4 27.5 41.3

Manual Integrations

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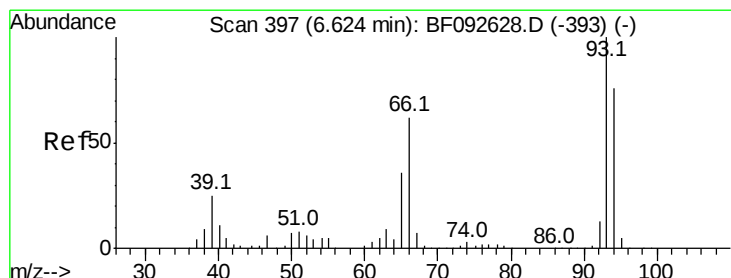
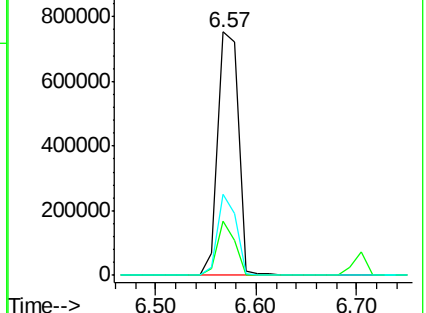
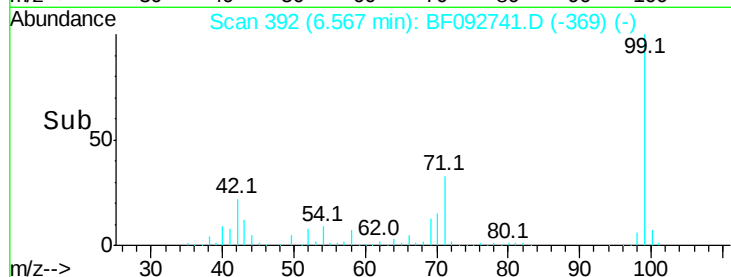
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.20 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

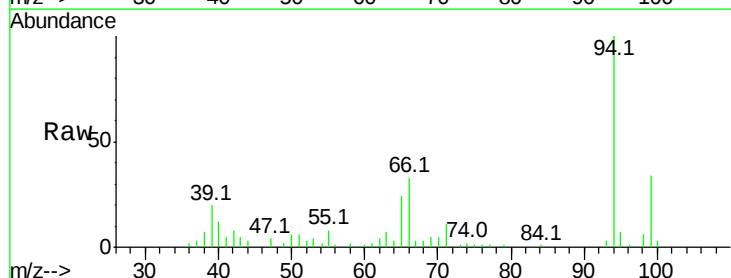
Tgt Ion: 94 Resp: 46739

Ion Ratio Lower Upper

94 100

65 24.4 21.4 61.4

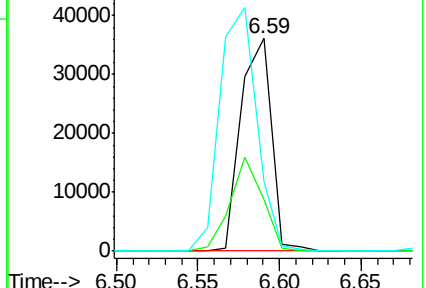
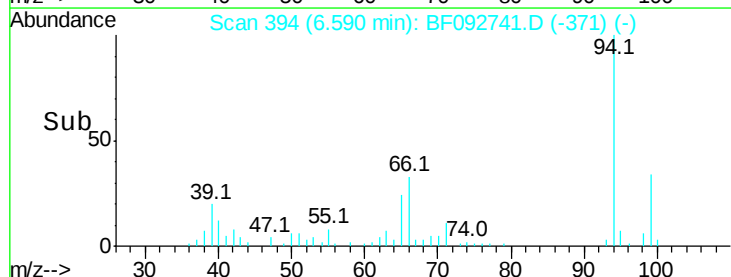
66 32.6 44.0 84.0#

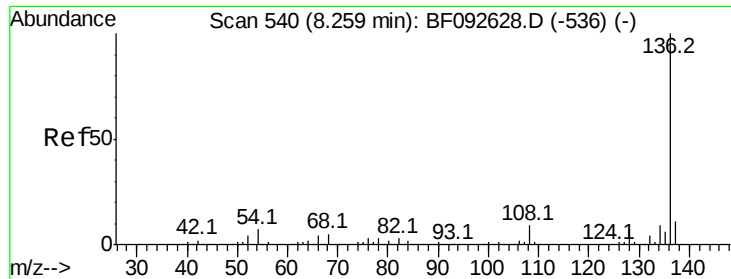


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





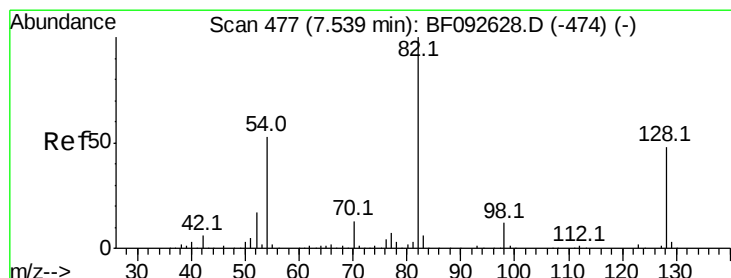
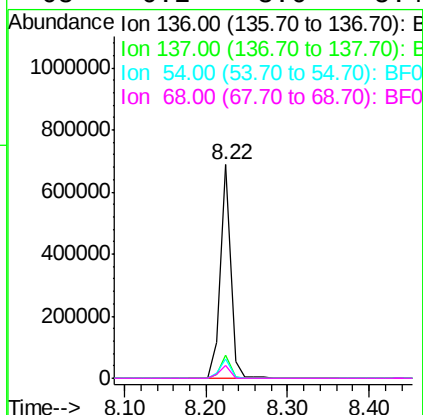
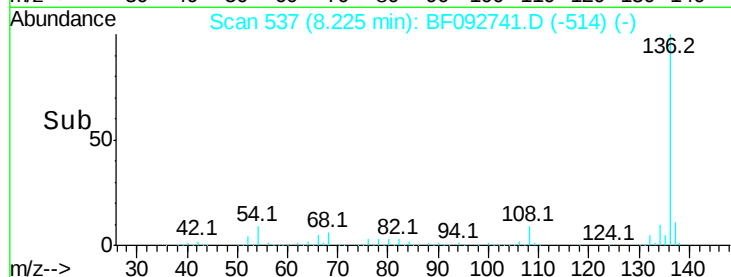
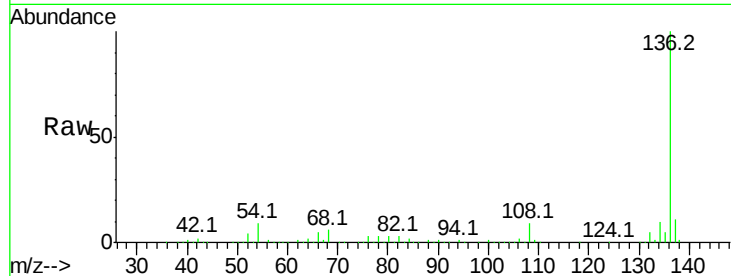
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.4	12.6	
54	9.2	4.5	6.7	
68	6.2	3.6	5.4	

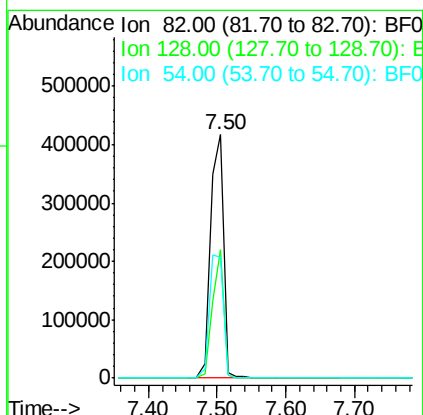
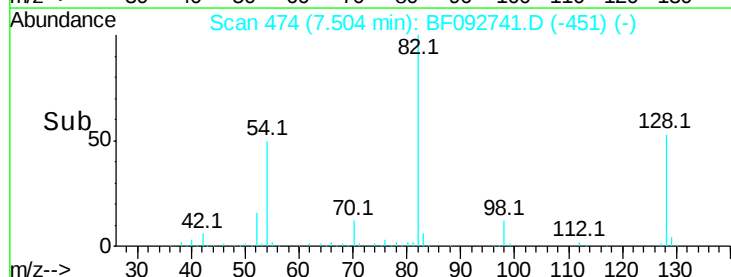
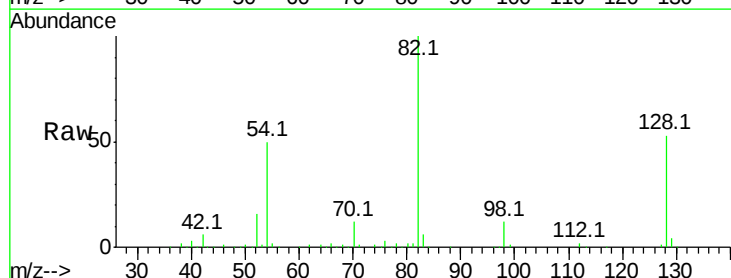
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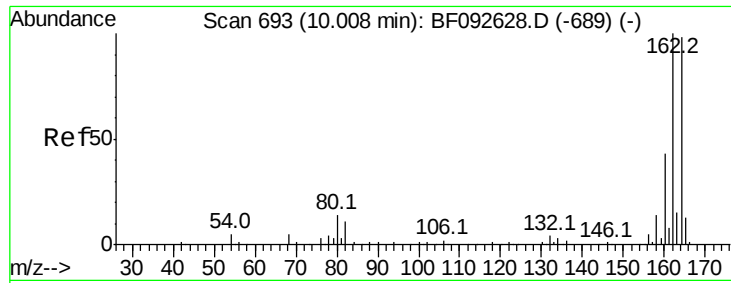
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#23
Nitrobenzene-d5
Concen: 51.77 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.6	34.6	52.0	
54	49.5	39.5	59.3	





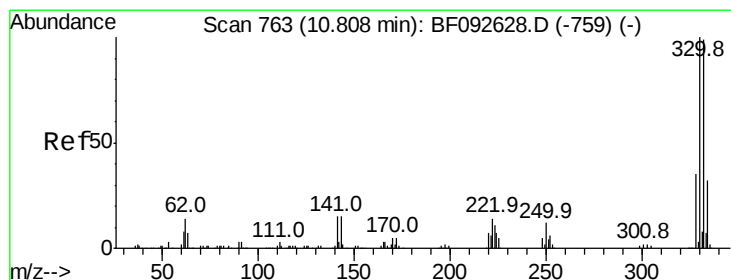
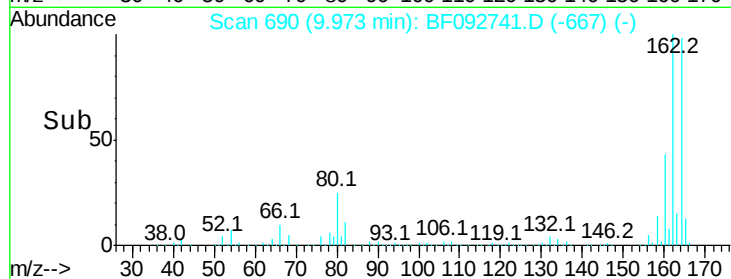
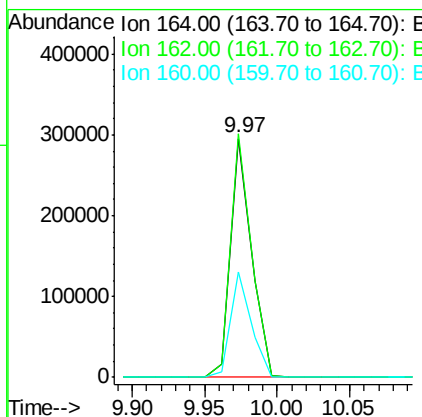
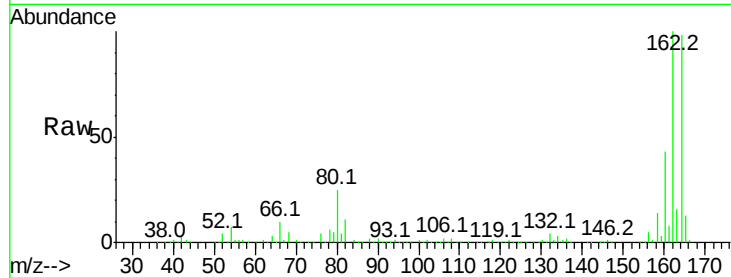
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
164	100	297377		
162	101.9	80.2	120.2	
160	44.2	36.9	55.3	

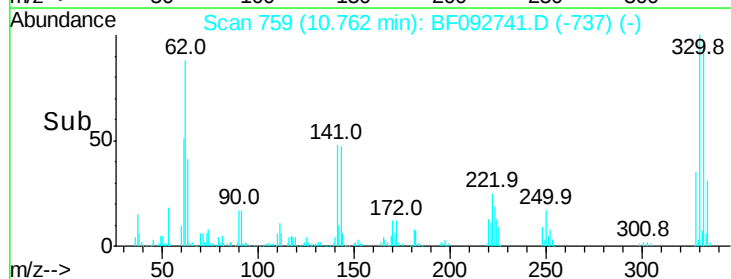
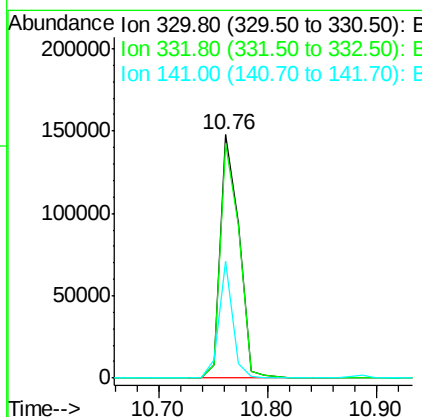
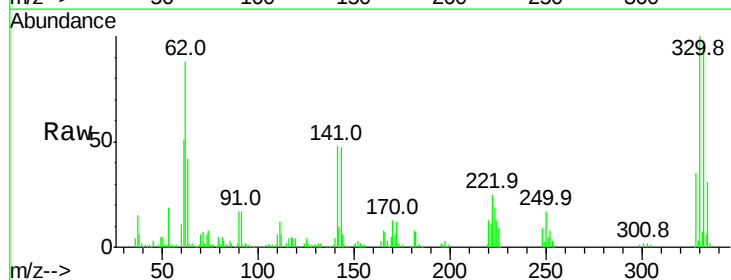
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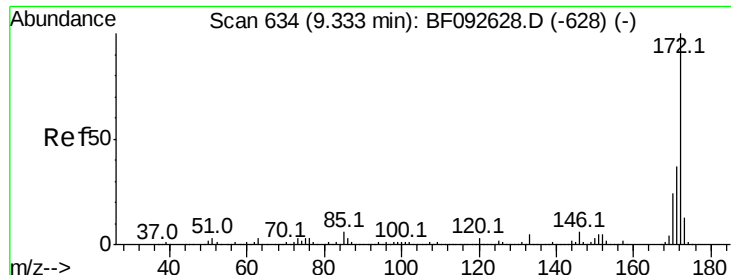
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#41
2,4,6-Tribromophenol
Concen: 82.21 ng
RT: 10.76 min Scan# 759
Delta R.T. -0.05 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	176822		
332	97.3	77.4	116.2	
141	36.8	34.1	51.1	





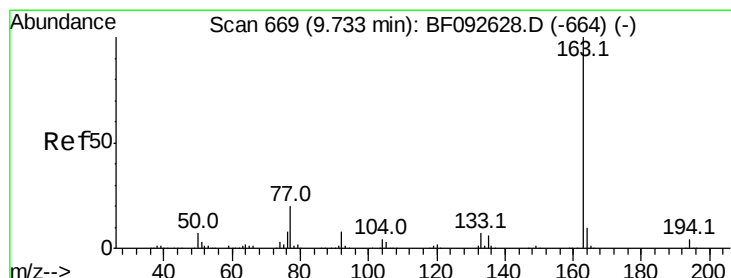
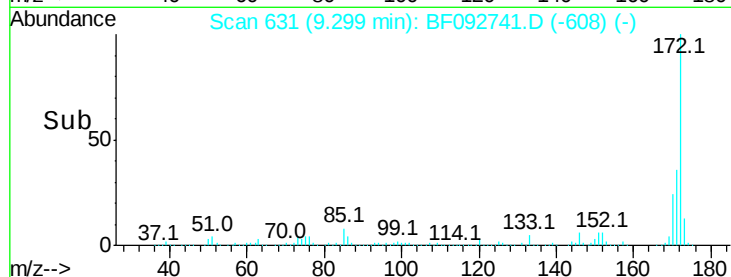
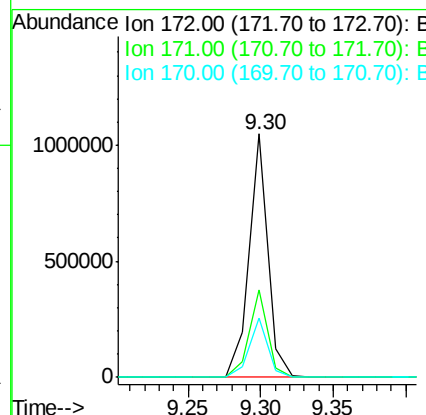
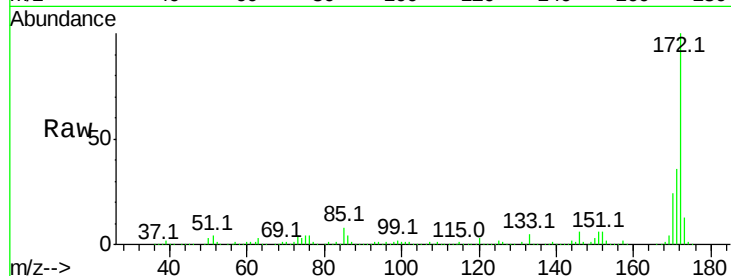
#44
2-Fluorobiphenyl
Concen: 57.70 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.4	44.0	
170	24.3	20.2	30.4	

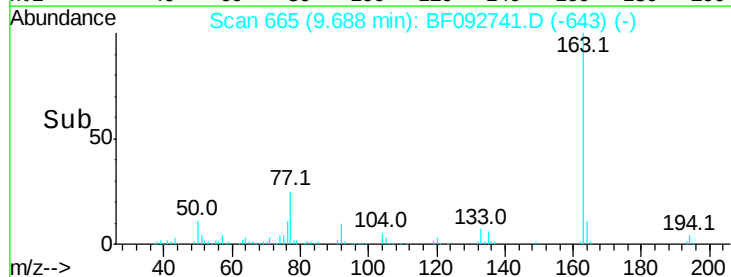
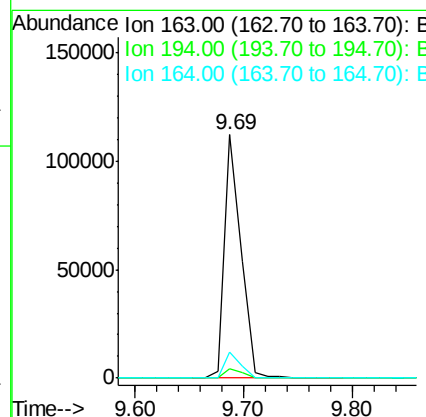
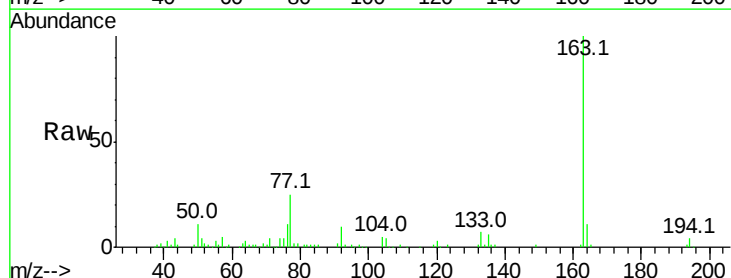
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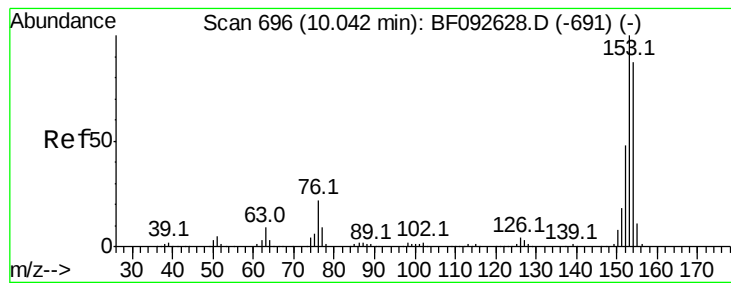
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#49
Dimethylphthalate
Concen: 5.96 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	3.0	4.4	
164	10.9	8.0	12.0	





#51

Acenaphthene

Concen: 2.48 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Instrument :

BNA_F

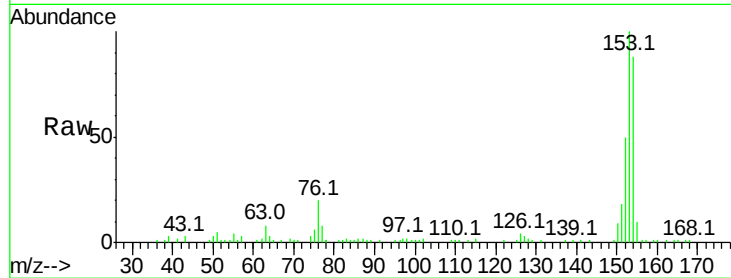
ClientSampleId :

CENTER-COMP

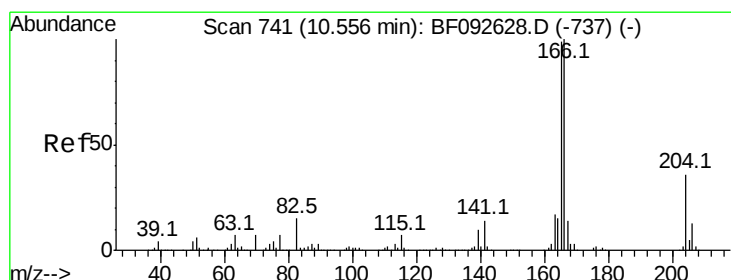
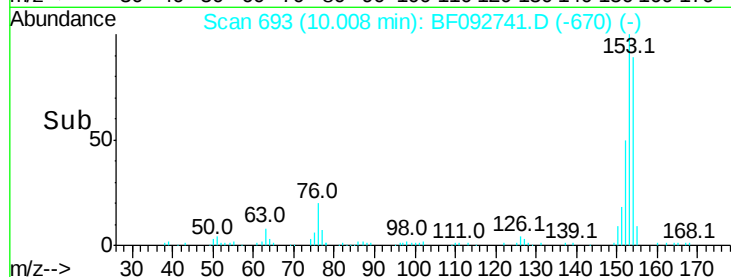
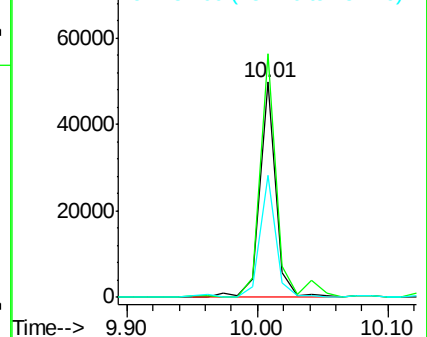
Tot Ion:	154	Resp:	43195
Ion Ratio	Lower	Upper	
154	100		
153	113.2	88.6	133.0
152	56.9	41.6	62.4

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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



#57

Fluorene

Concen: 2.65 ng

RT: 10.52 min Scan# 738

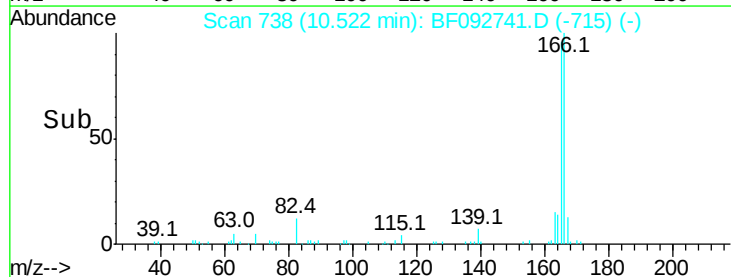
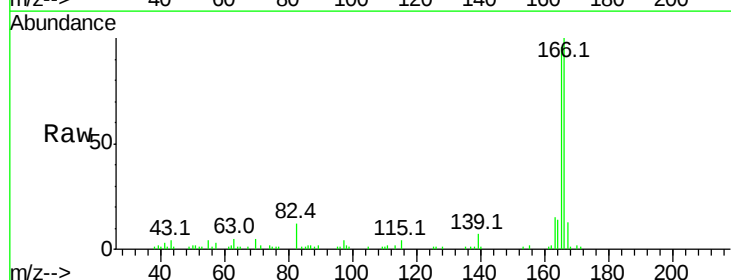
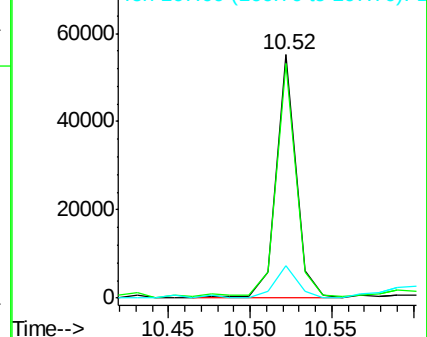
Delta R.T. -0.03 min

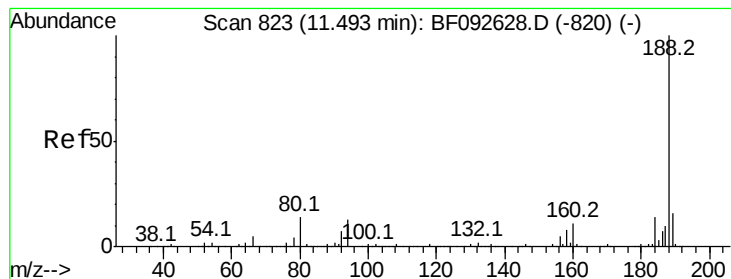
Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Tgt Ion:	166	Resp:	47518
Ion Ratio	Lower	Upper	
166	100		
165	96.1	77.8	116.8
167	13.3	10.8	16.2

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.03 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Instrument :

BNA_F

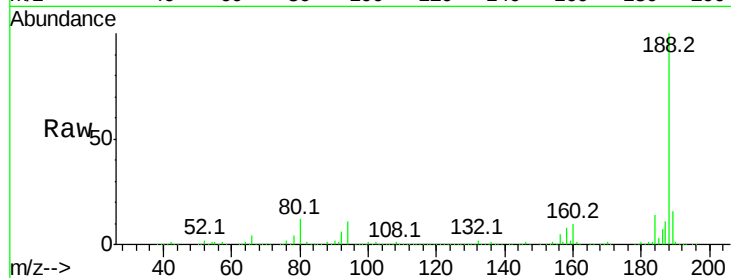
ClientSampleId :

CENTER-COMP

Tot Ion:	188	Resp:	484409
Ion Ratio	Lower	Upper	
188	100		
94	11.1	10.0	15.0
80	12.0	11.2	16.8

Manual Integrations
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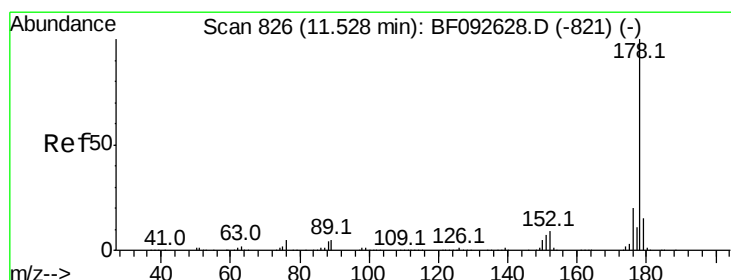
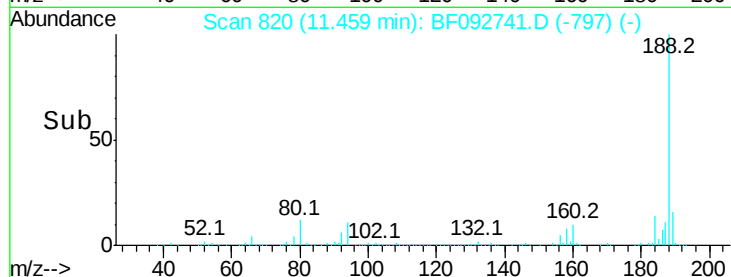
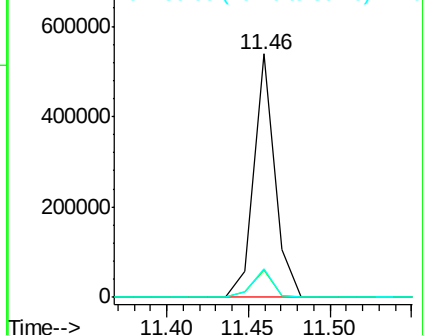
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 21.91 ng

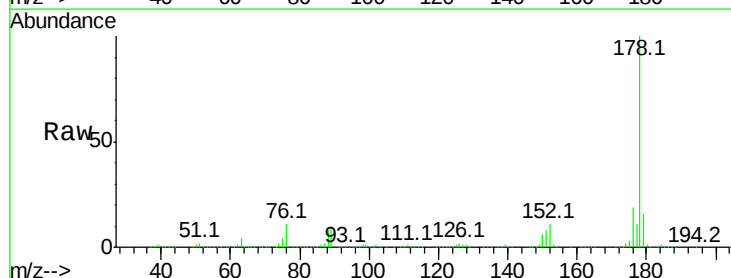
RT: 11.48 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

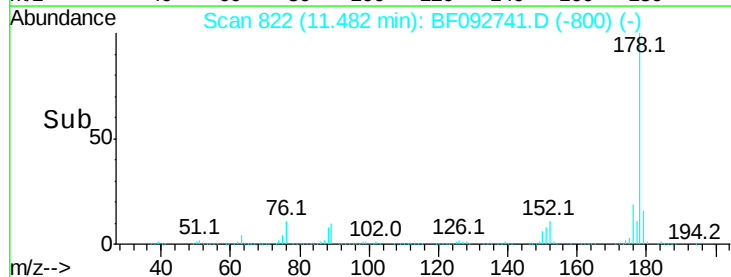
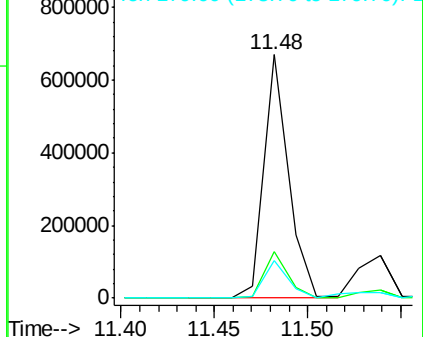
Tgt Ion:	178	Resp:	608128
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.6	25.0
179	15.6	12.8	19.2

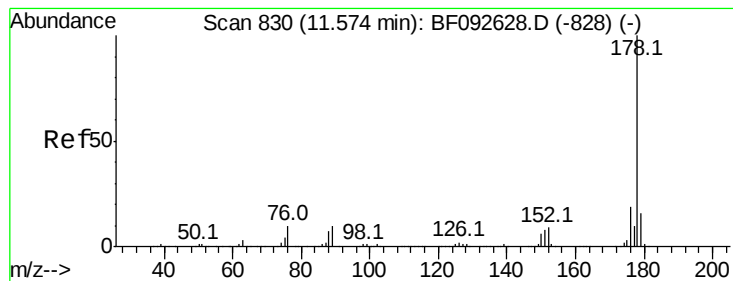


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.25 ng

RT: 11.54 min Scan# 827

Delta R.T. -0.03 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Instrument :

BNA_F

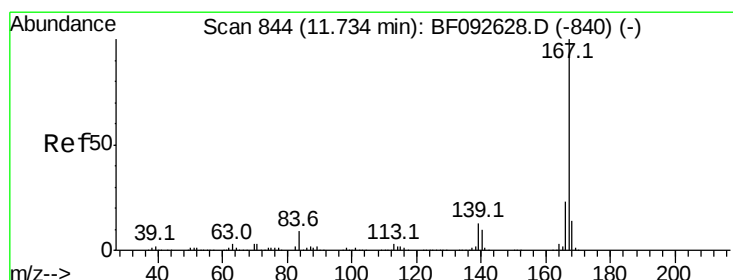
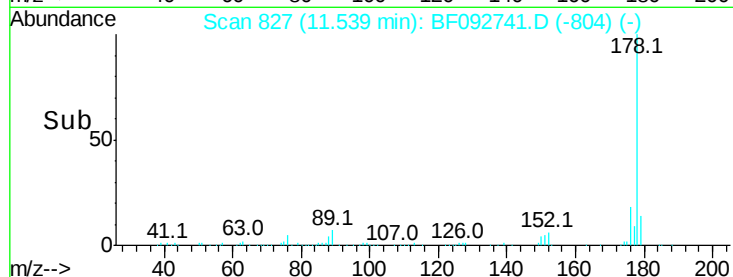
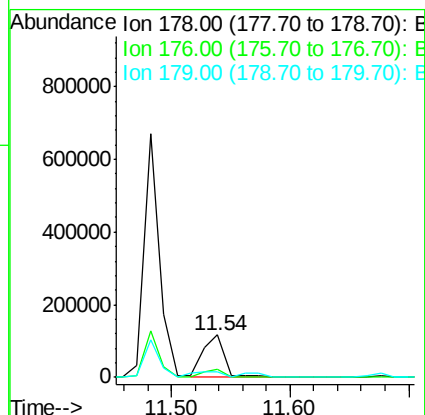
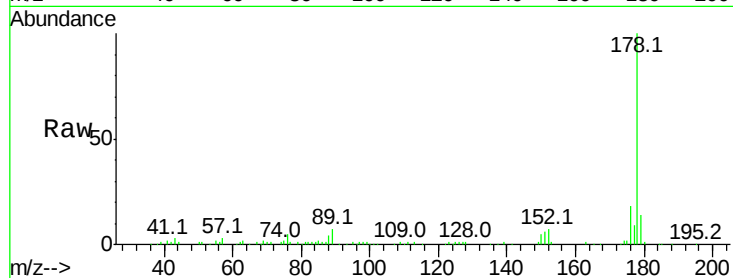
ClientSampleId :

CENTER-COMP

Tot Ion:	178	Resp:	146232
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.9	23.9
179	14.5	13.2	19.8

Manual Integrations
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mohammad
2/3/2017 1:22:25 PM



#72

Carbazole

Concen: 3.03 ng

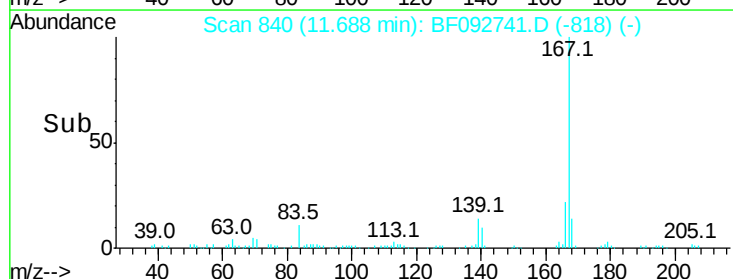
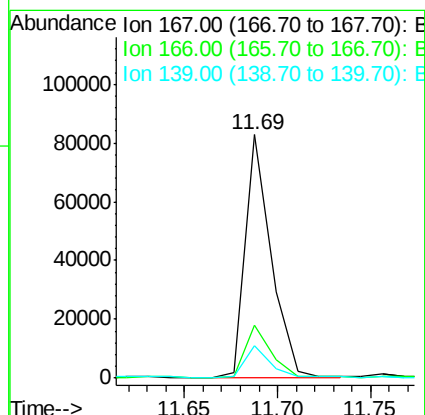
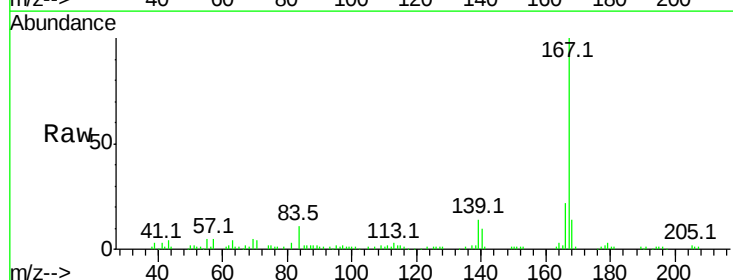
RT: 11.69 min Scan# 840

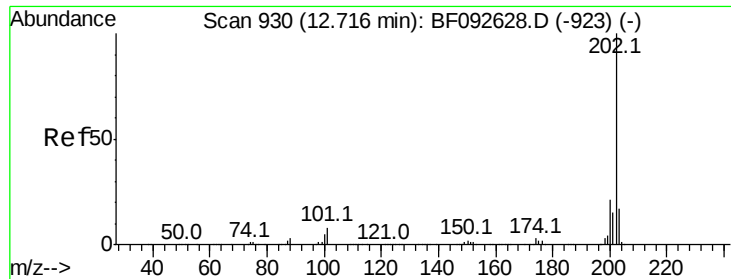
Delta R.T. -0.05 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Tgt Ion:	167	Resp:	80624
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.2	27.2
139	13.6	11.4	17.2





#74

Fluoranthene

Concen: 27.01 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Instrument :

BNA_F

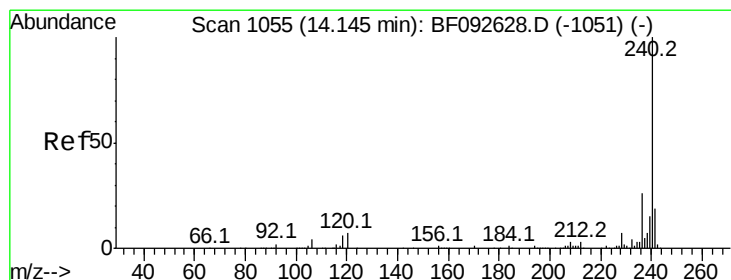
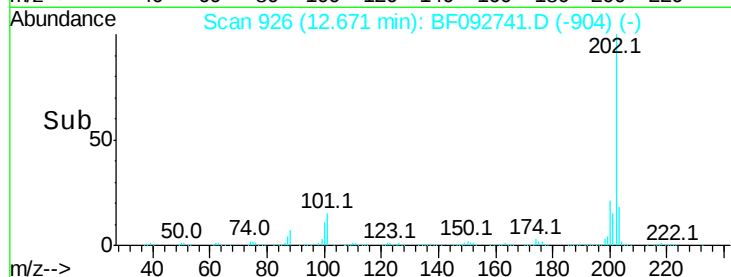
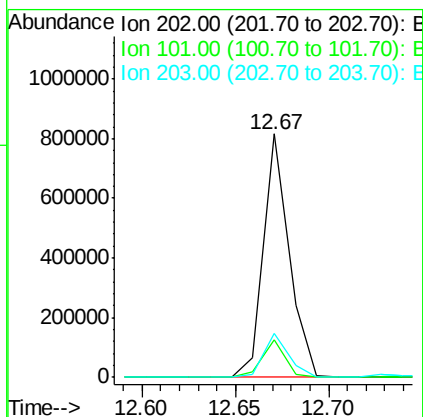
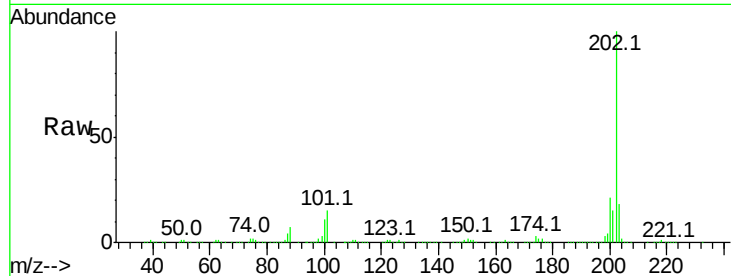
ClientSampleId :

CENTER-COMP

Tot Ion:	202	Resp:	773113
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	34.6
203	17.8	0.0	38.7

Manual Integrations
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mohammad
2/3/2017 1:22:25 PM



#75

Chrysene-d12

Concen: 20.00 ng

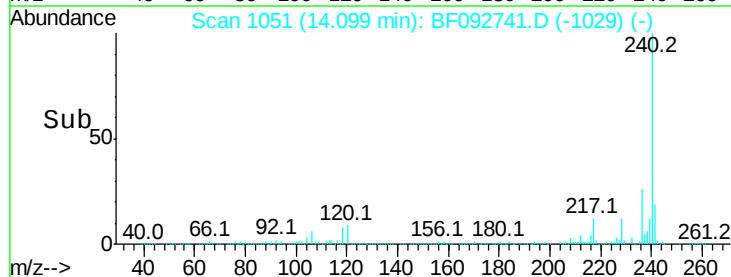
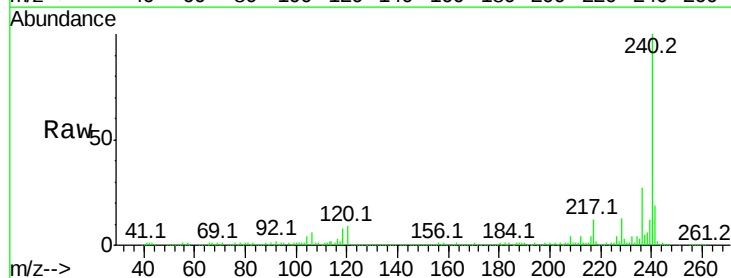
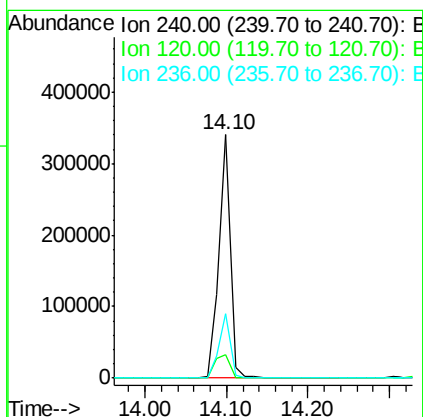
RT: 14.10 min Scan# 1051

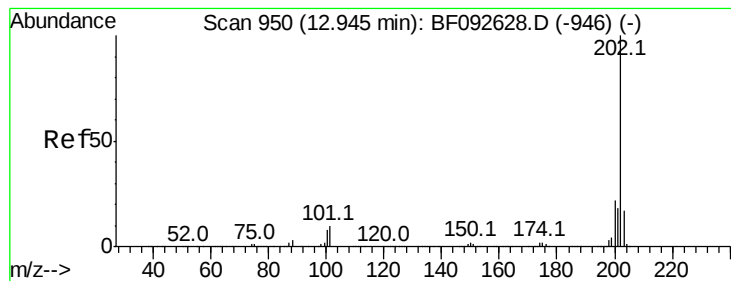
Delta R.T. -0.05 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Tgt Ion:	240	Resp:	331207
Ion Ratio	Lower	Upper	
240	100		
120	9.5	12.9	19.3#
236	26.7	20.9	31.3





#77

Pvrene

Concen: 27.20 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Instrument :

BNA_F

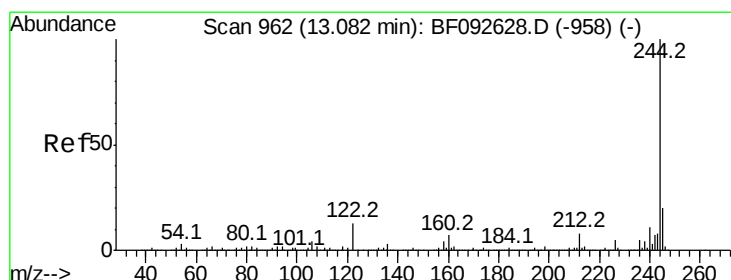
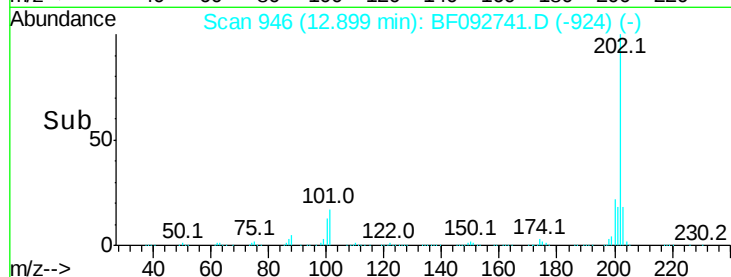
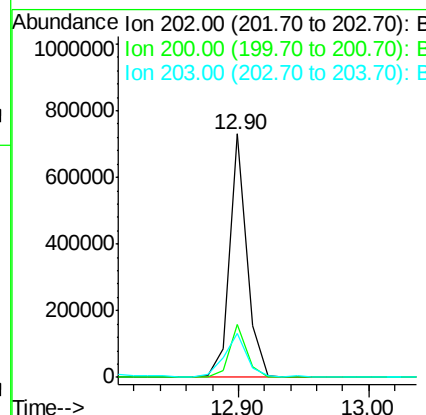
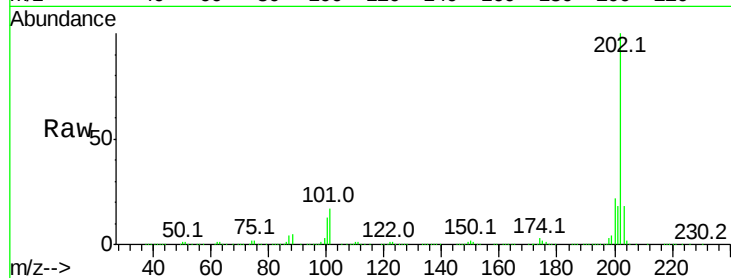
ClientSampleId :

CENTER-COMP

Tot Ion:	202	Resp:	674103
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	18.2	14.7	22.1

Manual Integrations
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mohammad
2/3/2017 1:22:25 PM



#78

Terphenyl-d14

Concen: 56.23 ng

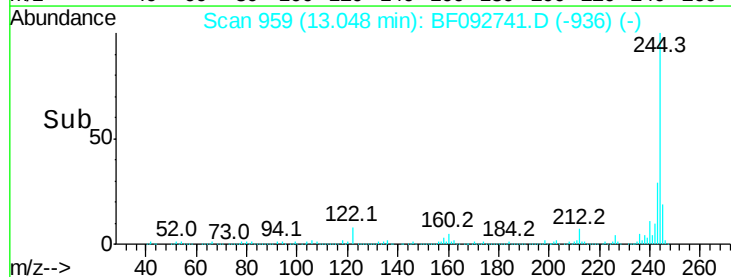
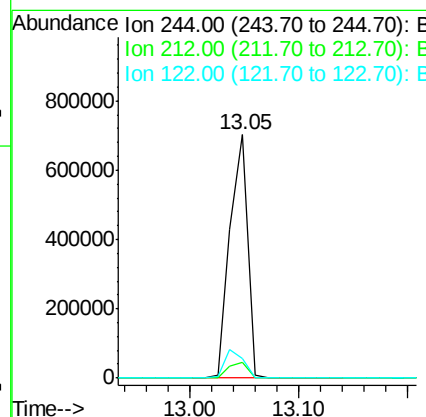
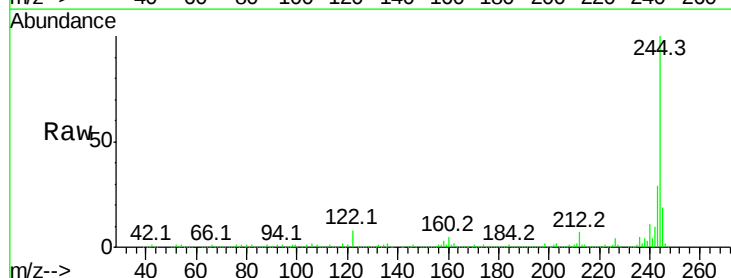
RT: 13.05 min Scan# 959

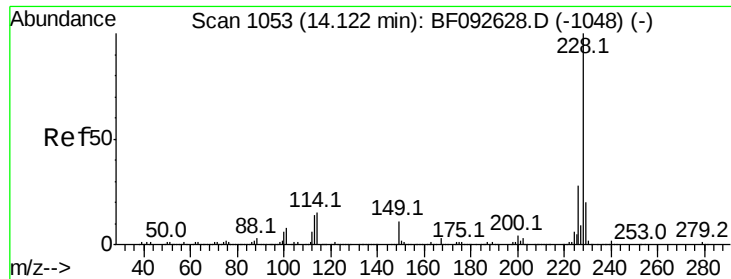
Delta R.T. -0.03 min

Lab File: BF092741.D

Acq: 2 Feb 2017 18:04

Tgt Ion:	244	Resp:	792669
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.2	9.2
122	7.8	11.4	17.2#





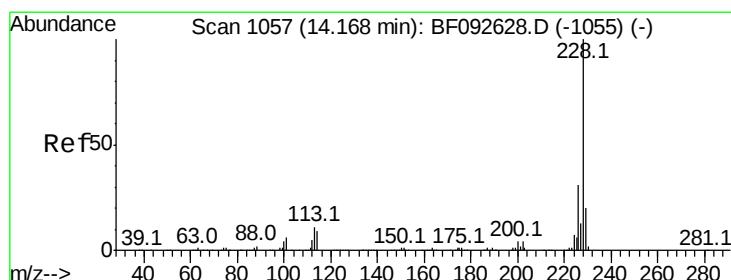
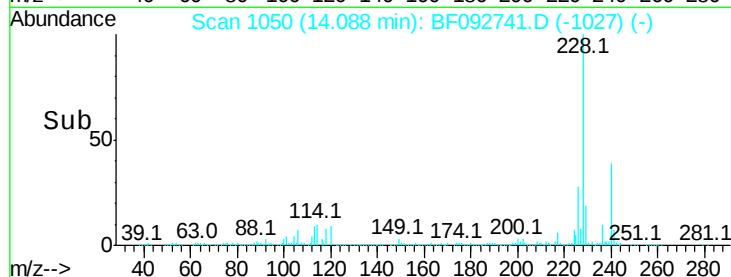
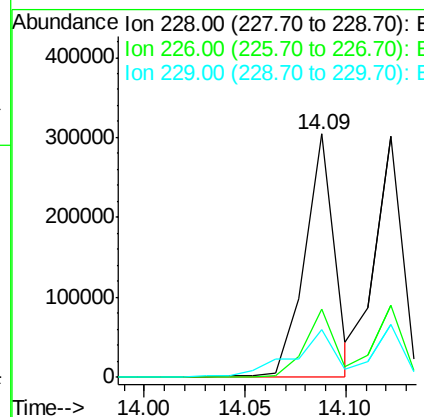
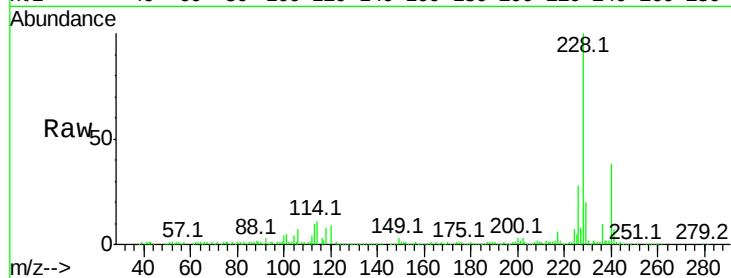
#80
Benzo(a)anthracene
Concen: 15.48 ng m
RT: 14.09 min Scan# 1050
Delta R.T. -0.03 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
CENTER-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.8	16.2	24.4

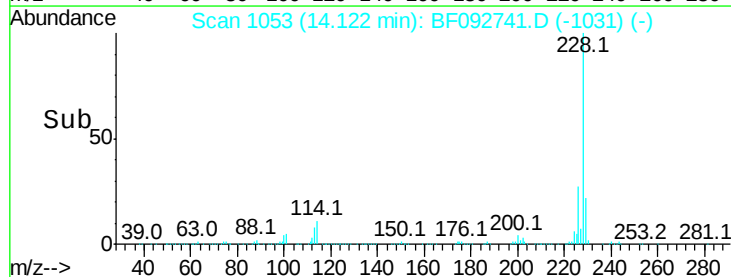
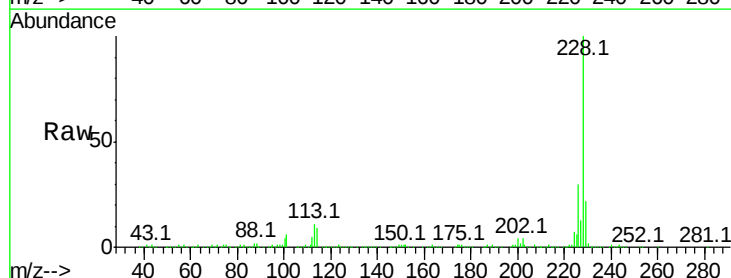
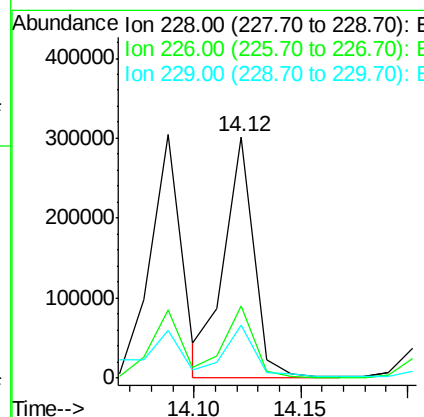
Manual Integrations
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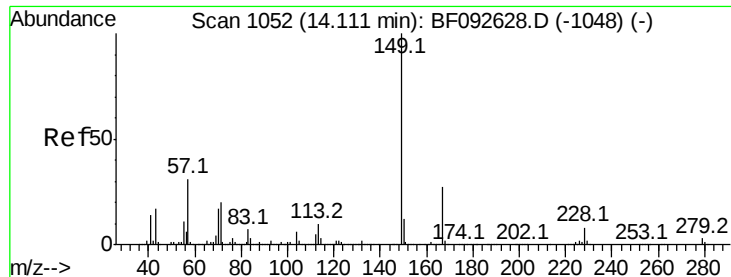
mohammad
2/3/2017 1:22:25 PM



#82
Chrysene
Concen: 15.15 ng m
RT: 14.12 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.0
229	22.1	16.2	24.2





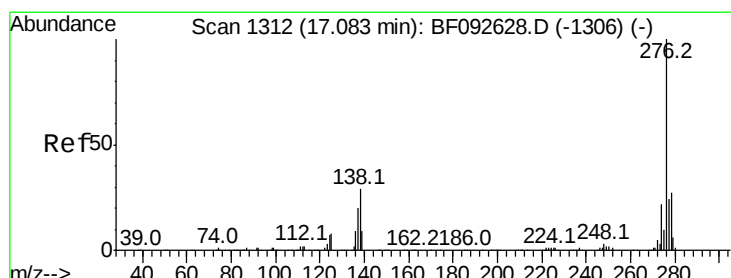
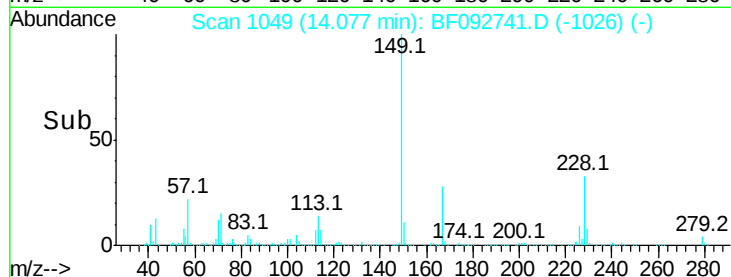
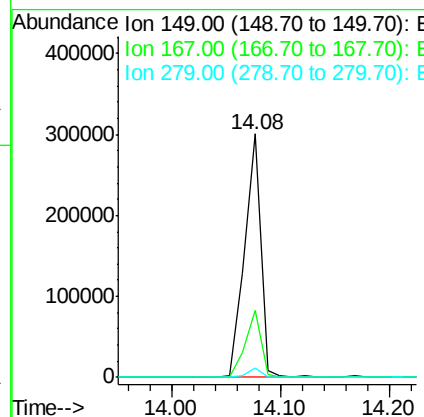
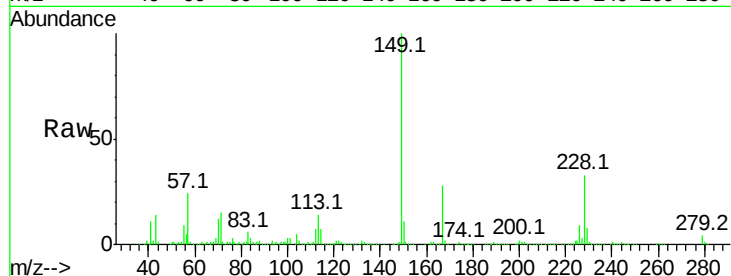
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 22.00 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF092741.D
 Acq: 2 Feb 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :
 CENTER-COMP

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	27.7	20.2	30.4	
279	4.1	1.8	2.8	

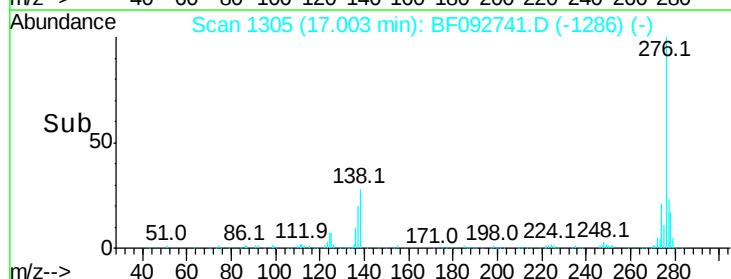
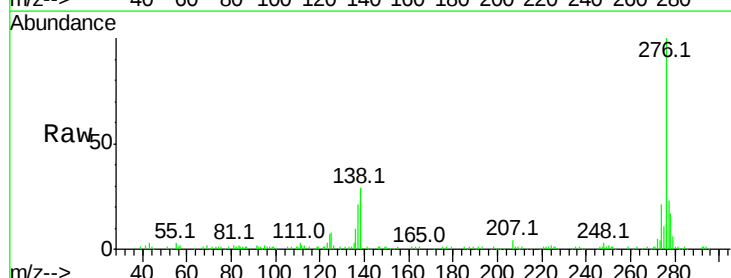
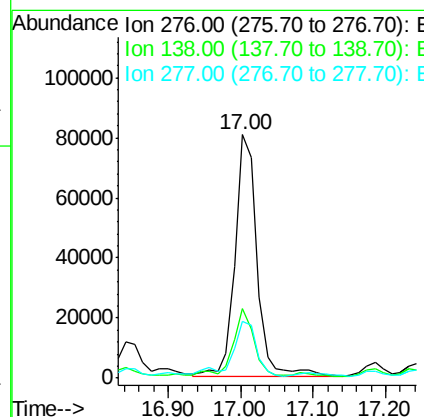
Manual Integrations
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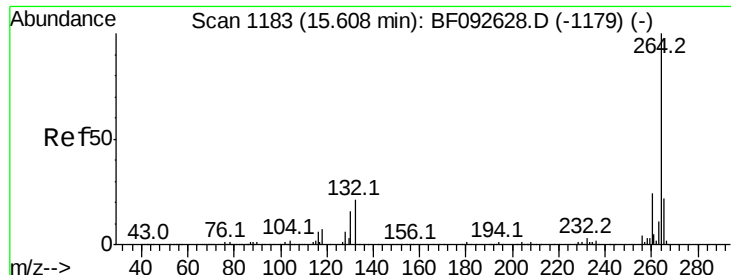
mohammad
 2/3/2017 1:22:25 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.50 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. -0.08 min
 Lab File: BF092741.D
 Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	27.5	21.8	32.6	
277	26.1	20.2	30.4	





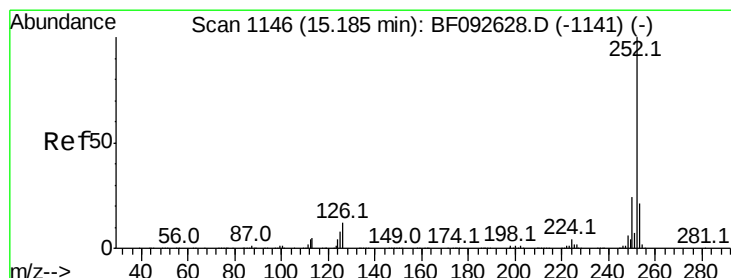
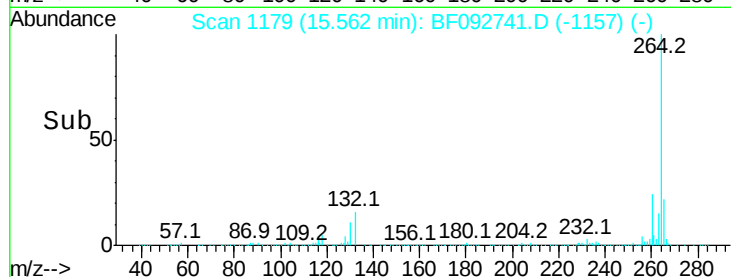
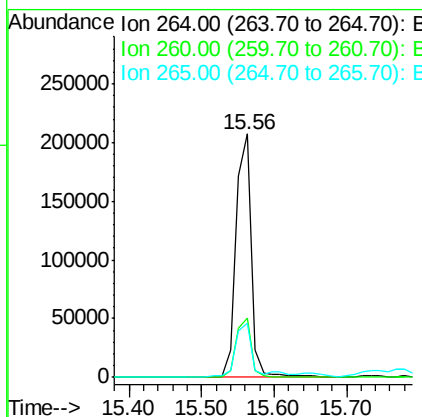
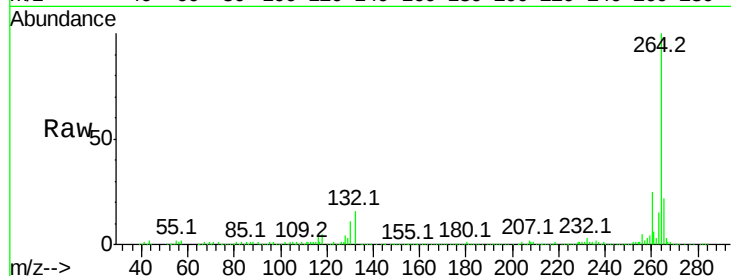
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF092741.D
 Acq: 2 Feb 2017 18:04

Instrument :
 BNA_F
 ClientSampleId :
 CENTER-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.0	17.4	26.0

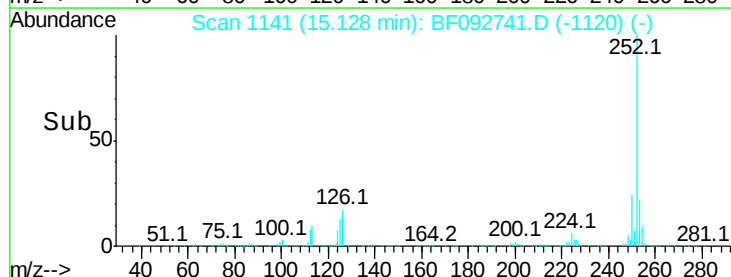
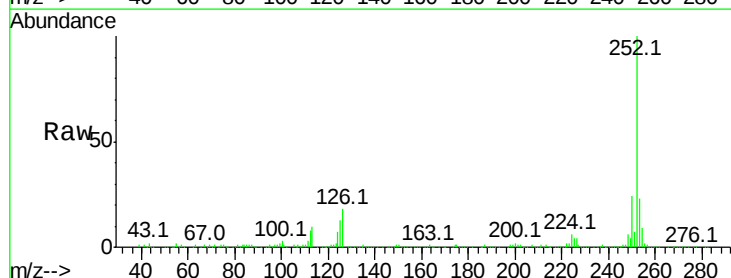
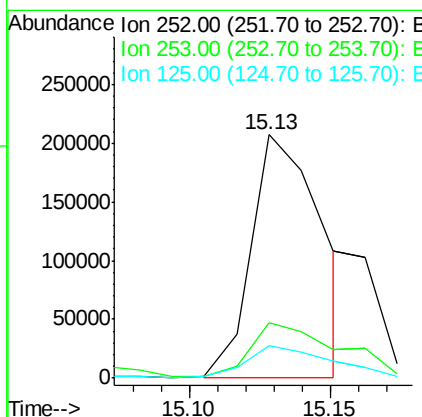
Manual Integrations
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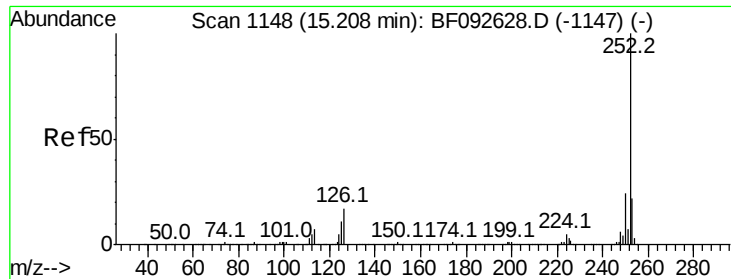
mohammad
 2/3/2017 1:22:25 PM



#87
 Benzo(b)fluoranthene
 Concen: 18.18 ng m
 RT: 15.13 min Scan# 1141
 Delta R.T. -0.06 min
 Lab File: BF092741.D
 Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	13.4	9.8	14.6





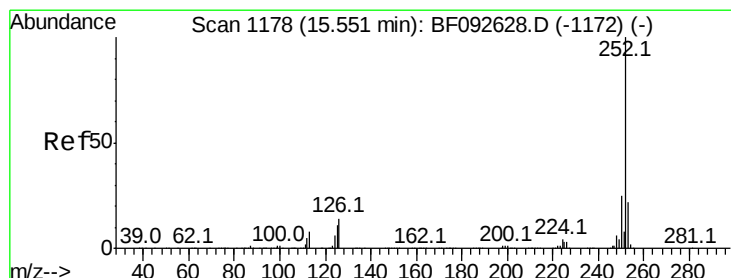
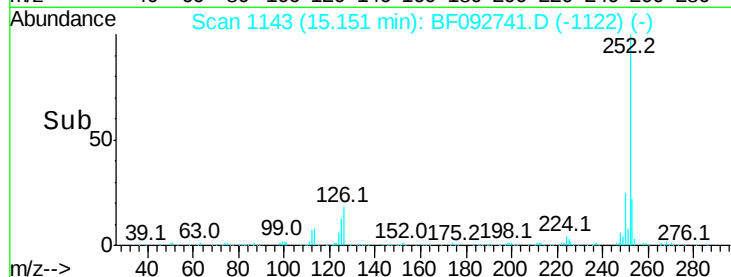
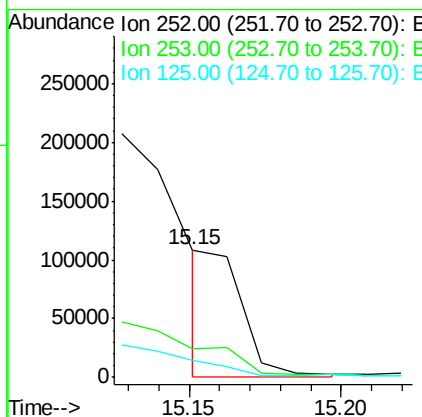
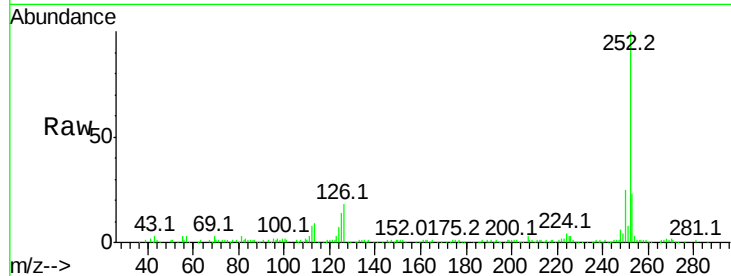
#88
Benzo(k)fluoranthene
Concen: 4.80 ng m
RT: 15.15 min Scan# 1143
Delta R.T. -0.06 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
CENTER-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	13.9	8.9	13.3

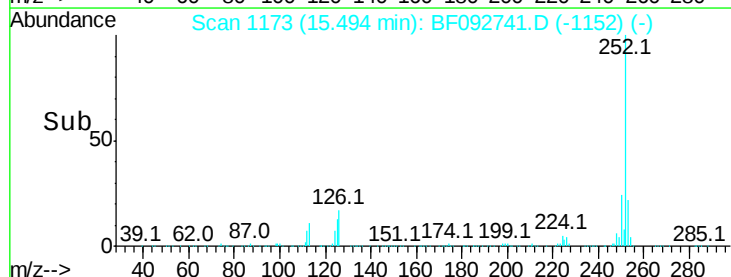
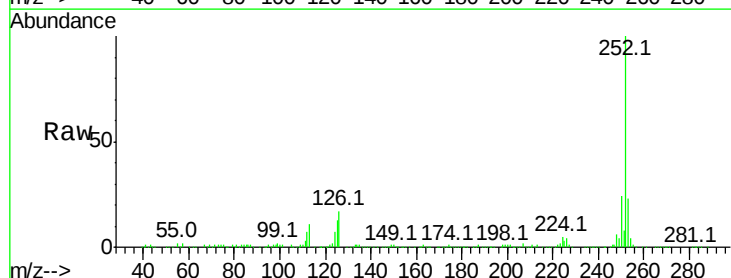
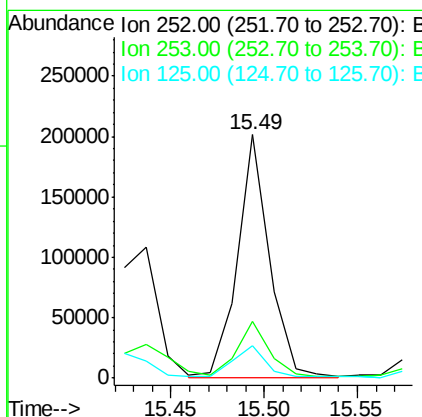
Manual Integrations
APPROVED

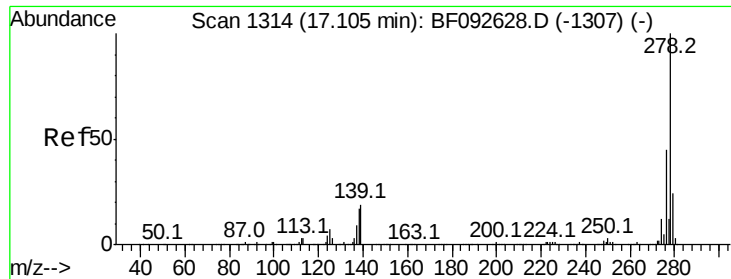
mohammad
2/3/2017 1:22:25 PM



#89
Benzo(a)pyrene
Concen: 13.75 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	13.2	10.0	15.0





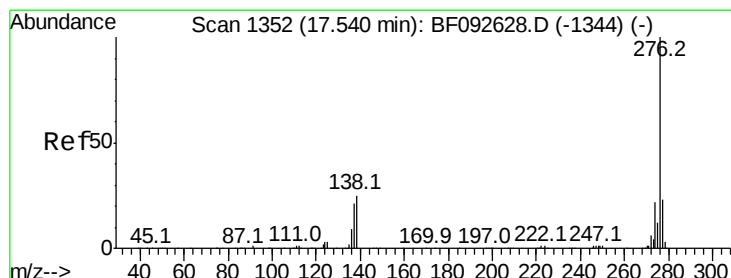
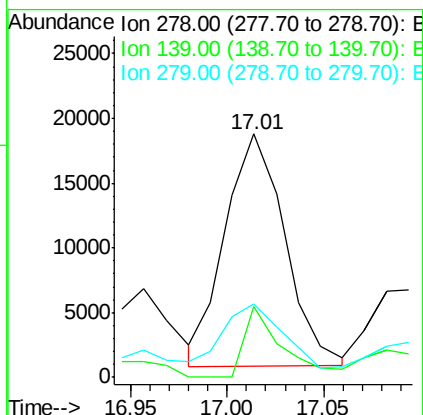
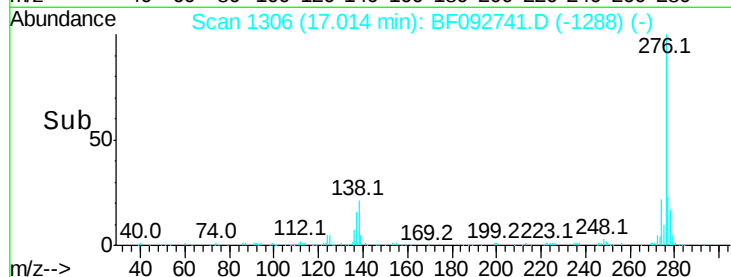
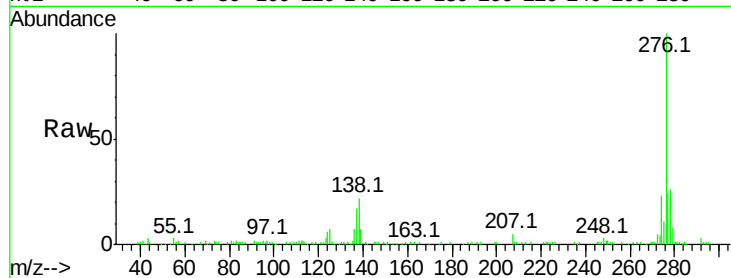
#90
Dibenzo(a,h)anthracene
Concen: 2.77 ng m
RT: 17.01 min Scan# 1306
Delta R.T. -0.09 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Instrument :
BNA_F
ClientSampleId :
CENTER-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.1	14.8	22.2#
279	30.1	19.8	29.6#

Manual Integrations
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mohammad
2/3/2017 1:22:25 PM



#91
Benzo(g,h,i)perylene
Concen: 11.15 ng
RT: 17.45 min Scan# 1344
Delta R.T. -0.09 min
Lab File: BF092741.D
Acq: 2 Feb 2017 18:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	26.9	16.0	24.0#

