

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092821.D
 Acq On : 7 Feb 2017 2:55
 Operator : SJ/MA
 Sample : I1695-03 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-9

Manual Integrations
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 2/7/2017 3:15:18 PM

Quant Time: Feb 07 03:40:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	129860	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	495464	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	229207	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	348611	20.00	ng	0.00
75) Chrysene-d12	14.09	240	279375	20.00	ng	0.00
86) Perylene-d12	15.55	264	201495	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	442047	58.40	ng	0.00
7) Phenol-d6	6.56	99	588846	60.46	ng	0.00
23) Nitrobenzene-d5	7.48	82	345050	38.78	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	88372	53.31	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	569300	45.00	ng	0.00
78) Terphenyl-d14	13.03	244	392170	32.98	ng	0.00
Target Compounds						
10) Phenol	6.57	94	37639	3.30	ng	Qvalue # 69
31) Naphthalene	8.22	128	98228	3.91	ng	98
49) Dimethylphthalate	9.66	163	66389	4.30	ng	# 97
57) Fluorene	10.50	166	32382	2.35	ng	# 95
61) 4-Nitroaniline	10.51	138	12471	3.19	ng	83
70) Phenanthrene	11.47	178	441781	22.12	ng	98
71) Anthracene	11.52	178	122148	6.09	ng	99
74) Fluoranthene	12.67	202	770556	37.40	ng	89
77) Pyrene	12.89	202	658172	31.48	ng	98
80) Benzo(a)anthracene	14.08	228	356519	20.86	ng	99
82) Chrysene	14.11	228	227923	14.25	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	24421	2.10	ng	# 85
85) Indeno(1,2,3-cd)pyrene	17.00	276	82887	6.69	ng	97
87) Benzo(b)fluoranthene	15.13	252	241859m	18.24	ng	
88) Benzo(k)fluoranthene	15.15	252	77072m	6.73	ng	
89) Benzo(a)pyrene	15.48	252	159956	13.94	ng	# 94
90) Dibenzo(a,h)anthracene	17.00	278	21215	2.29	ng	# 68
91) Benzo(g,h,i)perylene	17.44	276	72791	7.77	ng	# 88

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

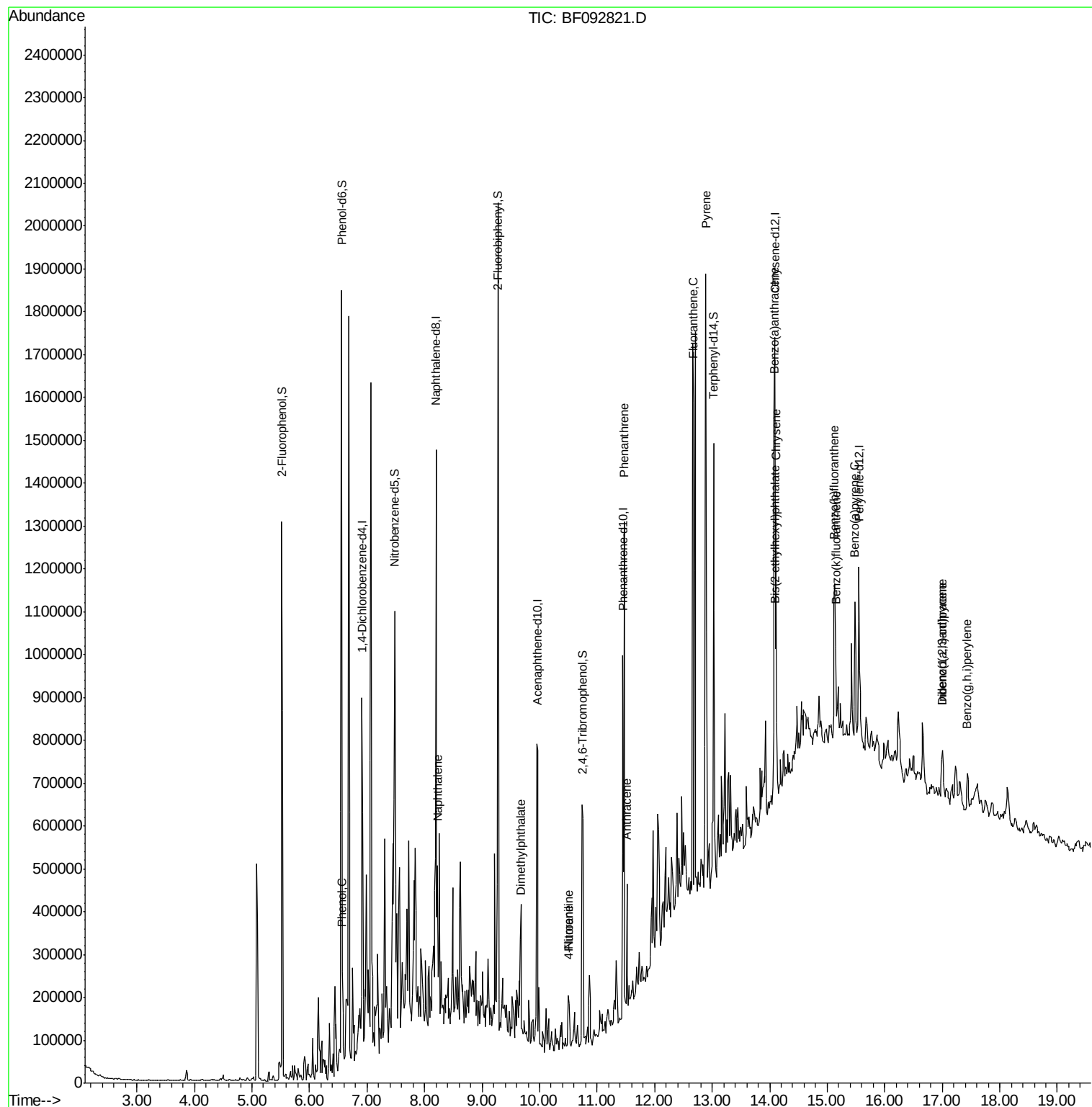
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
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ALS Vial : 25 Sample Multiplier: 1

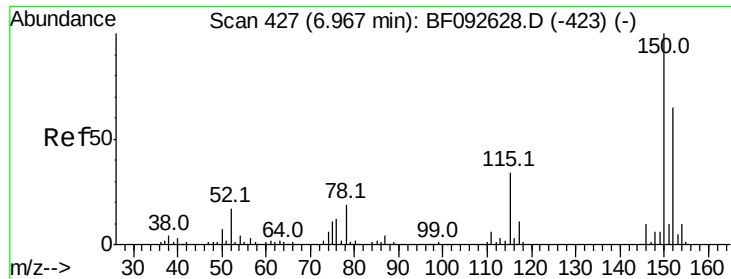
Instrument :
BNA_F
ClientSampled :
B2-9

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#1

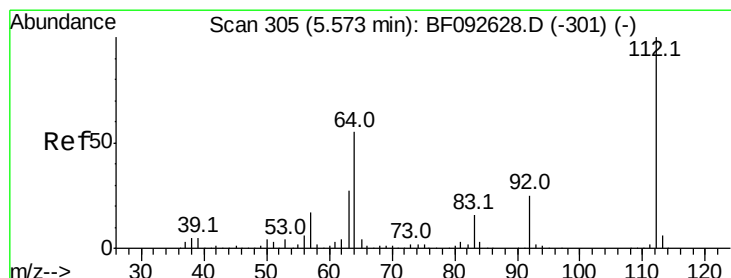
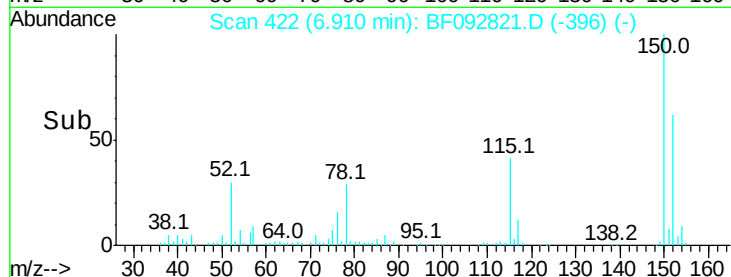
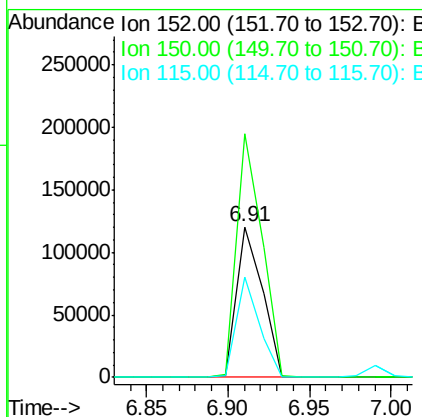
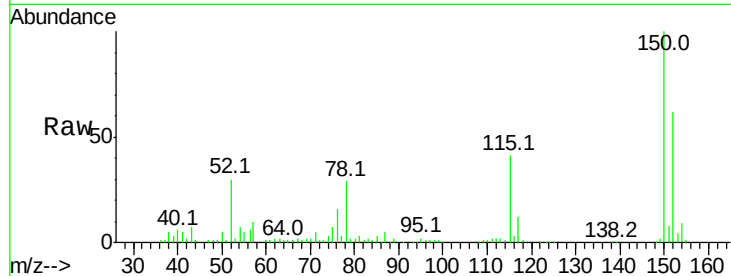
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. 0.00 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampled :
B2-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.9	187.3
115	66.4	46.0	69.0

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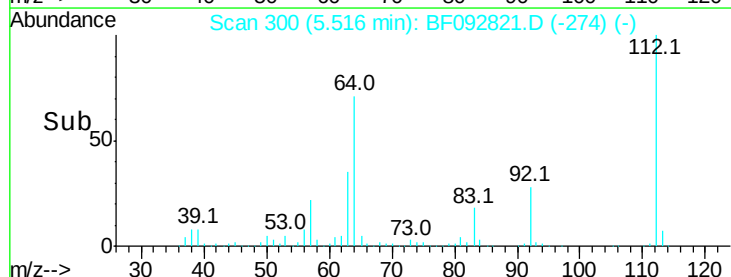
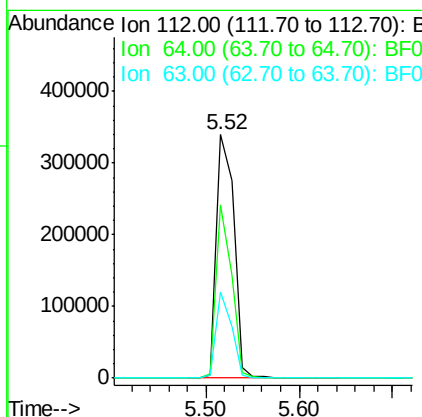
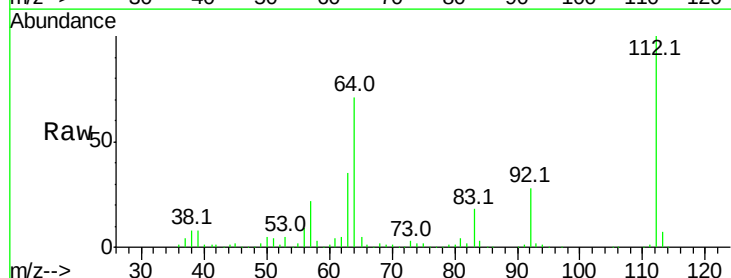
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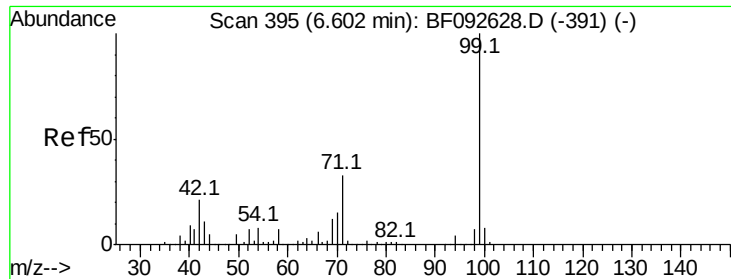


#5

2-Fluorophenol
Concen: 58.40 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.00 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	46.1	69.1#
63	35.4	23.8	35.6





#7

Phenol-d6

Concen: 60.46 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Instrument :

BNA_F

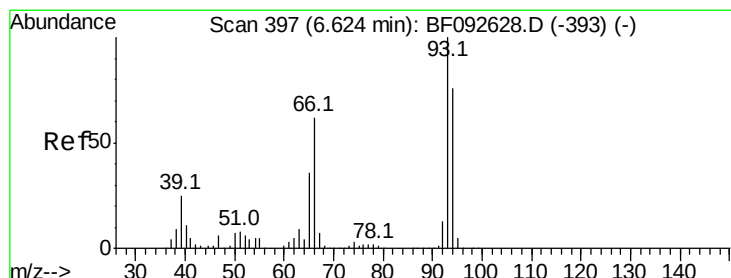
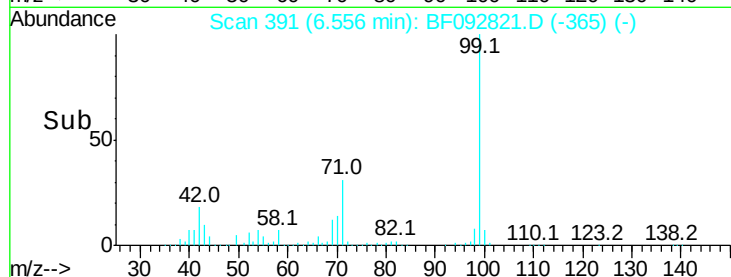
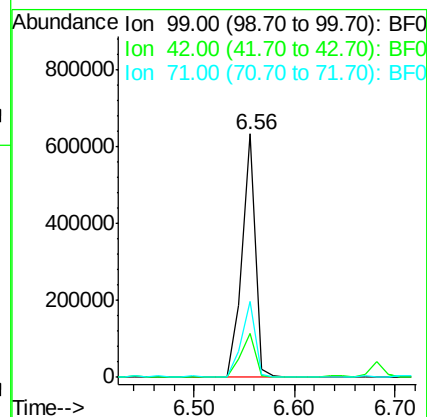
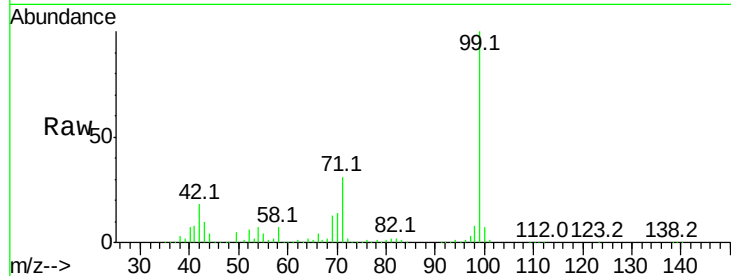
ClientSampleId :

B2-9

Tot Ion:	99	Resp:	588846
Ion Ratio	Lower	Upper	
99	100		
42	18.0	15.6	23.4
71	31.1	27.5	41.3

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#10

Phenol

Concen: 3.30 ng

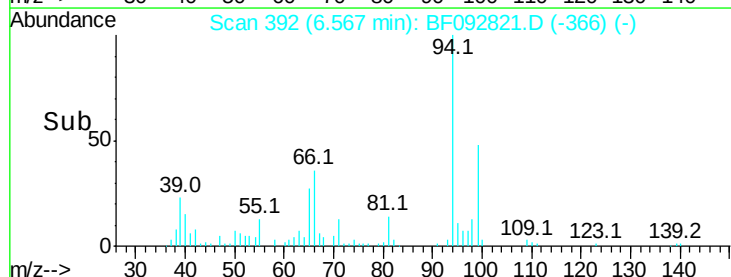
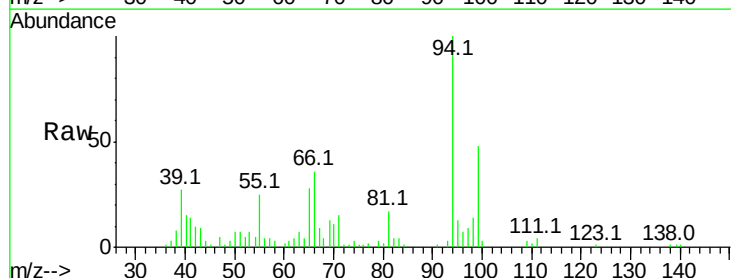
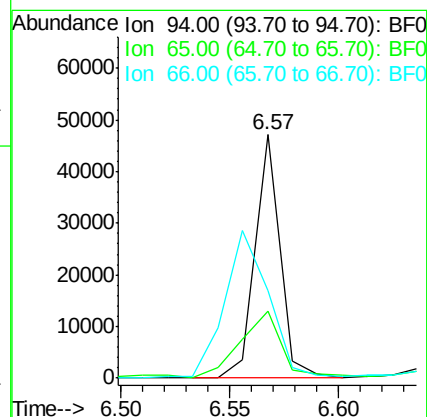
RT: 6.57 min Scan# 392

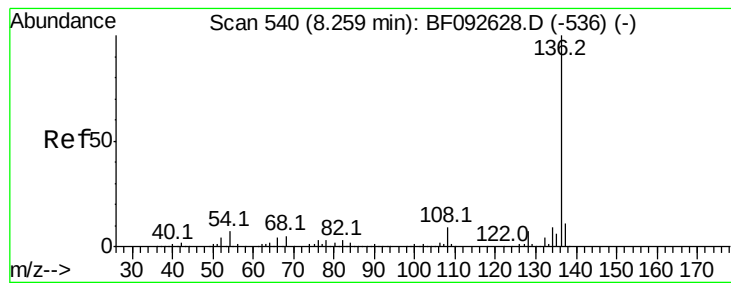
Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Tgt Ion:	94	Resp:	37639
Ion Ratio	Lower	Upper	
94	100		
65	27.6	21.4	61.4
66	35.7	44.0	84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Instrument :

BNA_F

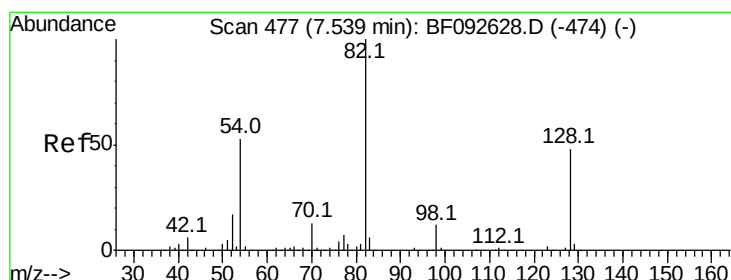
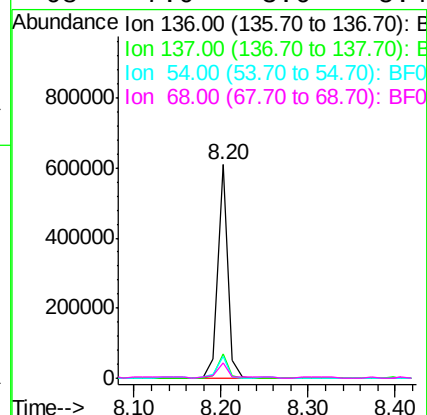
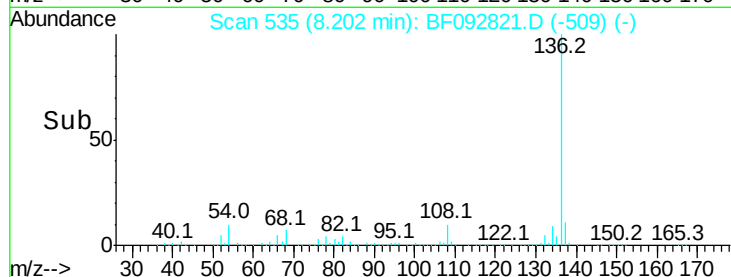
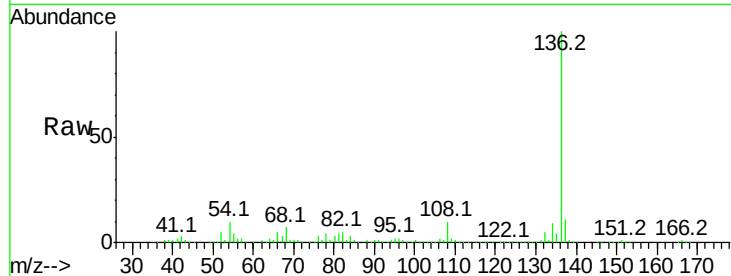
ClientSampleId :

B2-9

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.4	12.6
54	10.0	4.5	6.7#
68	7.0	3.6	5.4#

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#23

Nitrobenzene-d5

Concen: 38.78 ng

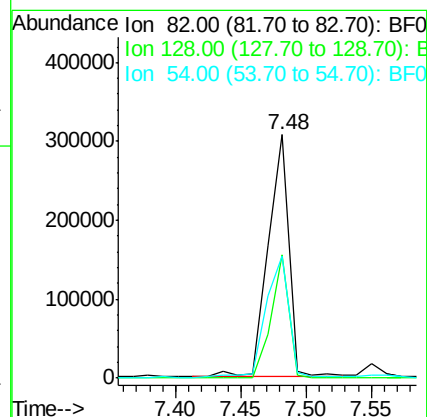
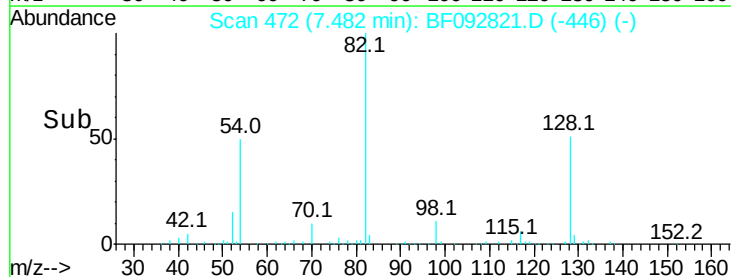
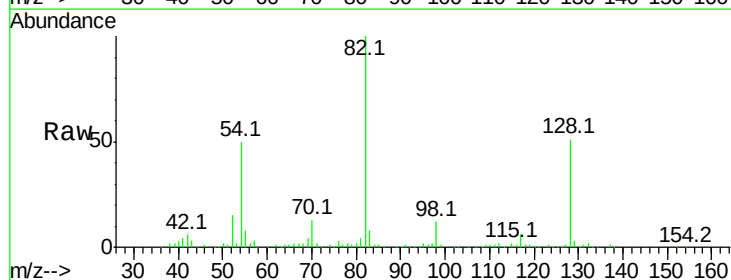
RT: 7.48 min Scan# 472

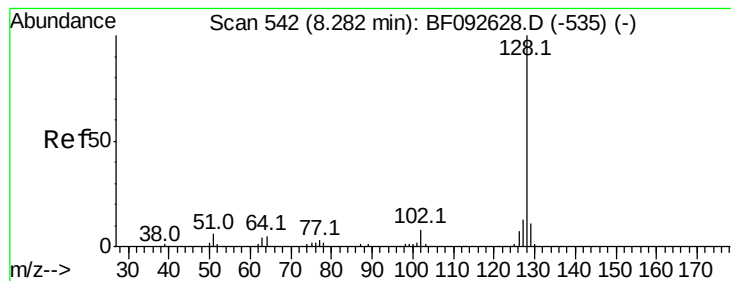
Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	50.5	34.6	52.0
54	50.3	39.5	59.3





#31

Naphthalene

Concen: 3.91 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Instrument :

BNA_F

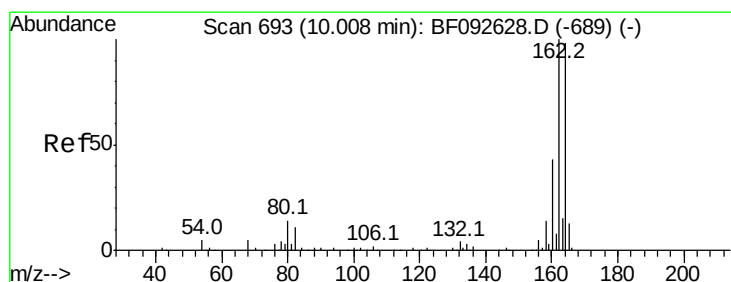
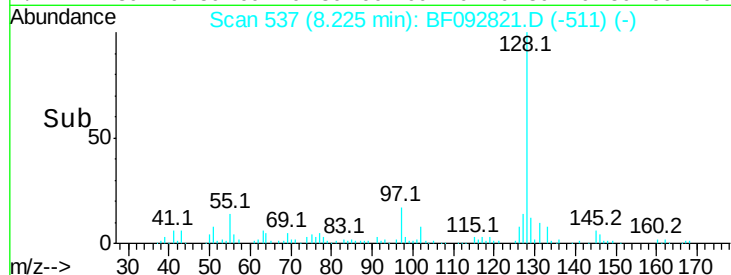
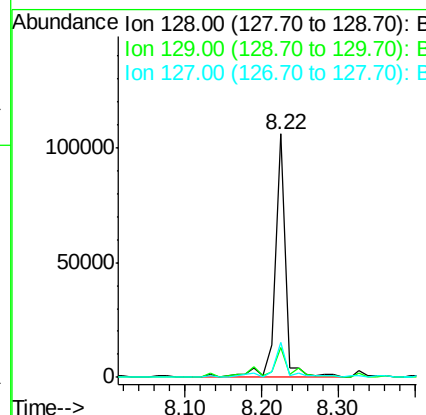
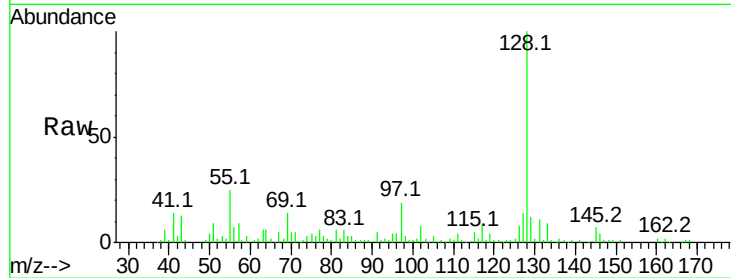
ClientSampled :

B2-9

Tot Ion:	128	Resp:	98228
Ion Ratio	Lower	Upper	
128	100		
129	12.5	9.5	14.3
127	14.3	10.8	16.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

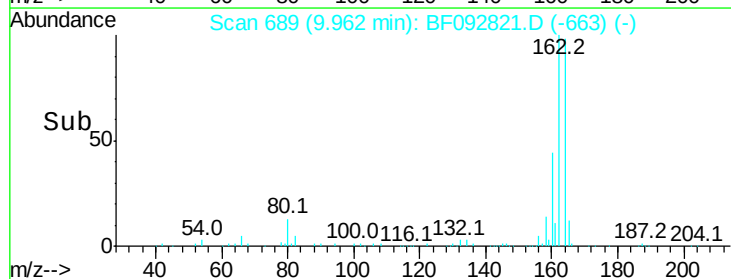
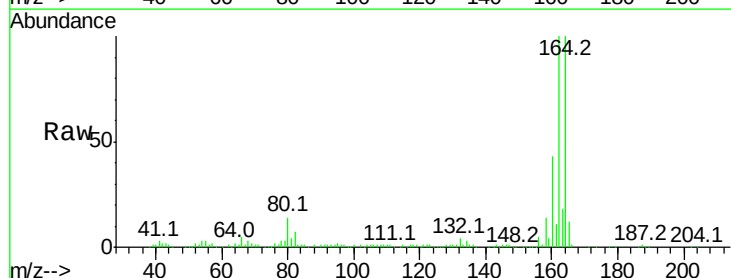
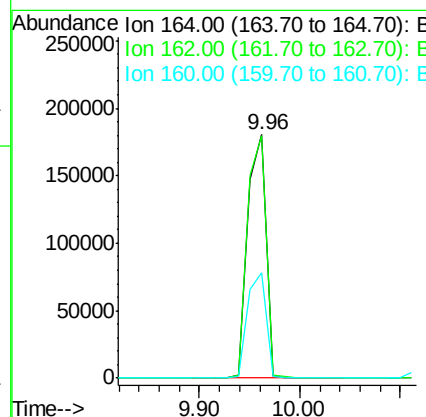
RT: 9.96 min Scan# 689

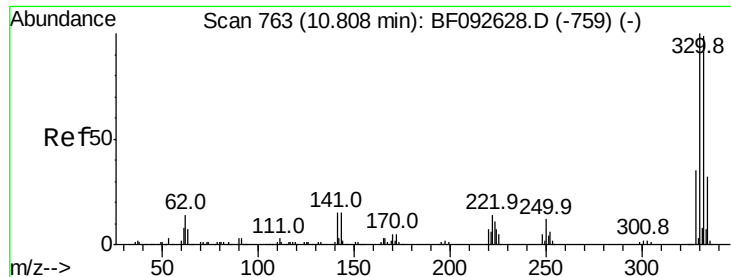
Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Tgt Ion:	164	Resp:	229207
Ion Ratio	Lower	Upper	
164	100		
162	99.5	80.2	120.2
160	43.1	36.9	55.3





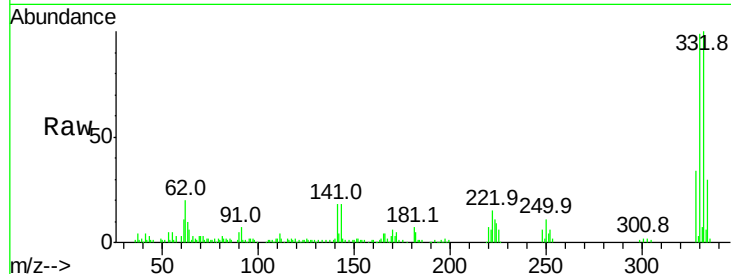
#41
 2,4,6-Tribromophenol
 Concen: 53.31 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF092821.D
 Acq: 7 Feb 2017 2:55

Instrument :
 BNA_F
 ClientSampleId :
 B2-9

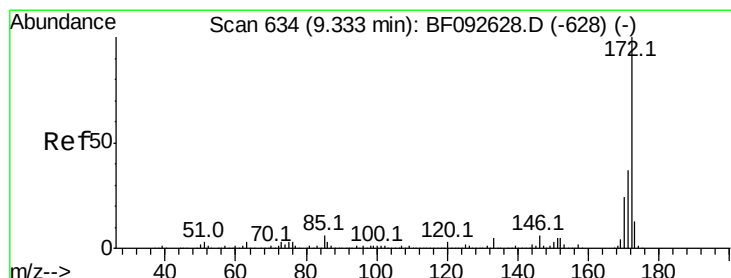
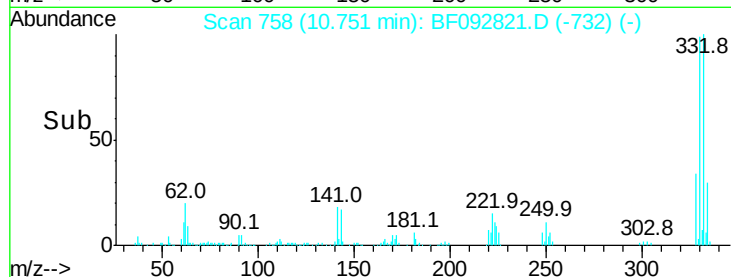
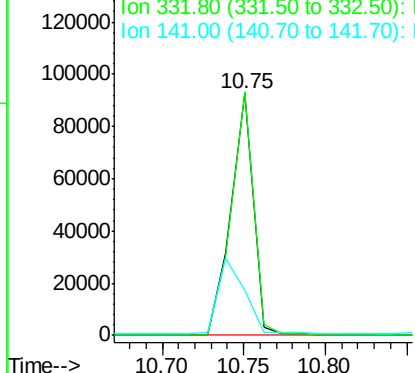
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.8	77.4	116.2	
141	37.5	34.1	51.1	

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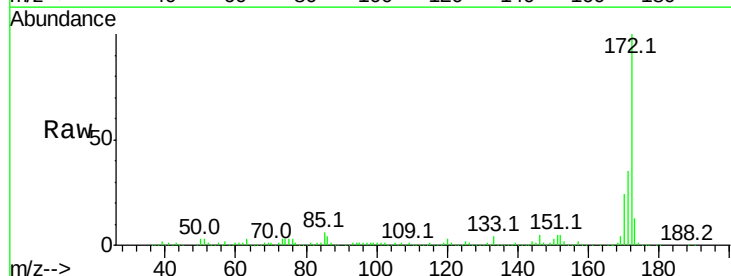


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

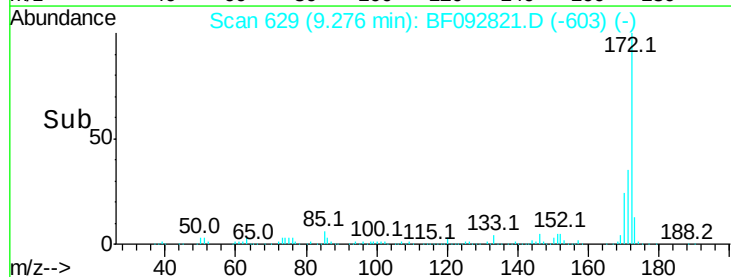
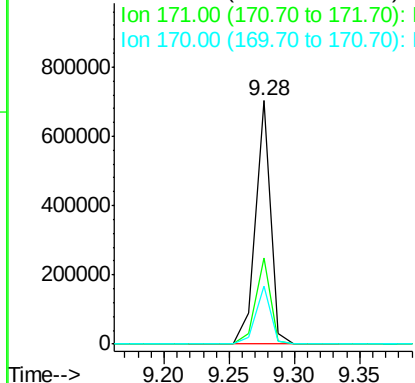


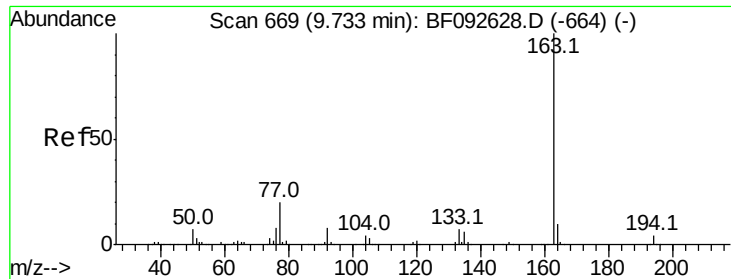
#44
 2-Fluorobiphenyl
 Concen: 45.00 ng
 RT: 9.28 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF092821.D
 Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.4	44.0	
170	23.7	20.2	30.4	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





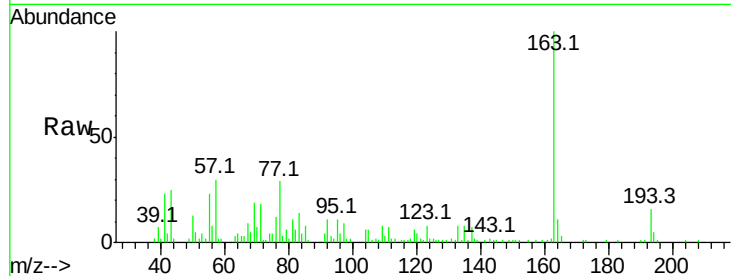
#49
Dimethylphthalate
Concen: 4.30 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampleId :
B2-9

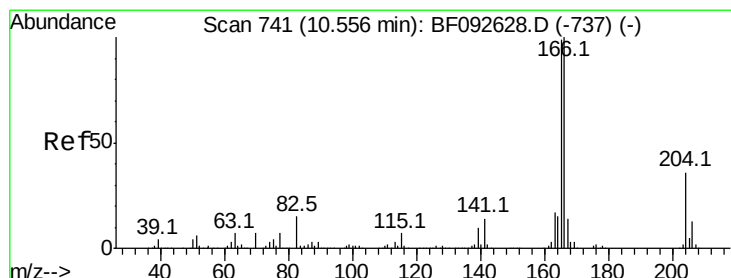
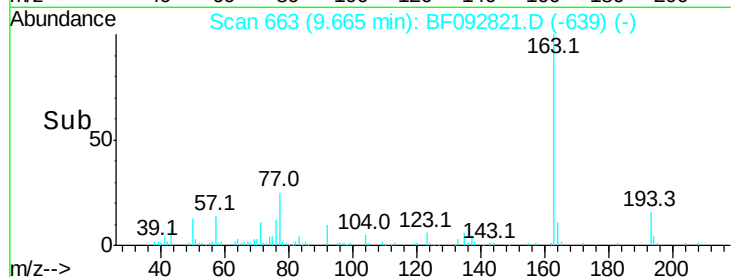
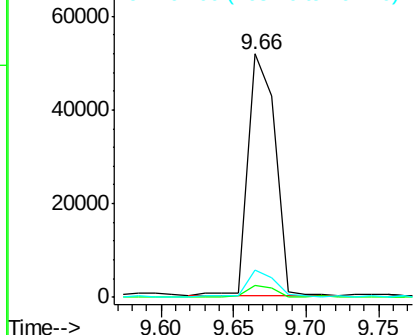
Tot Ion	Ratio	Resp	Lower	Upper
163	100	66389		
194	5.1		3.0	4.4#
164	11.0		8.0	12.0

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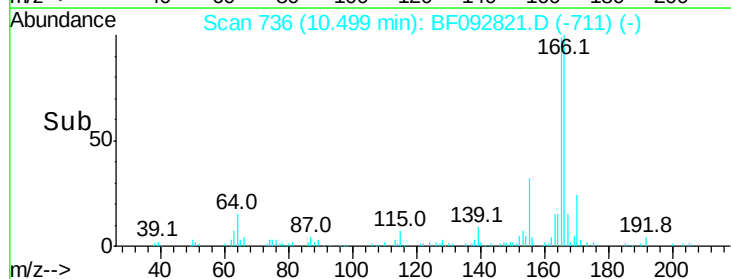
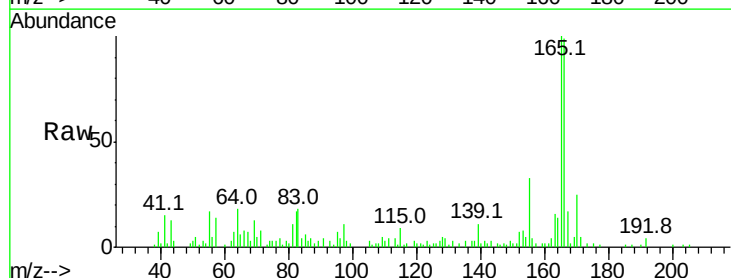
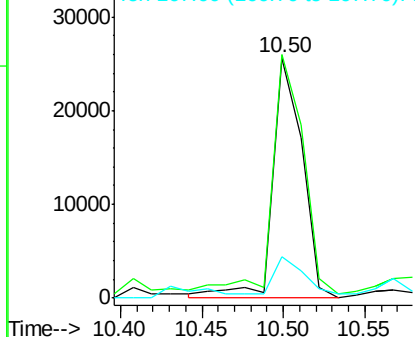
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

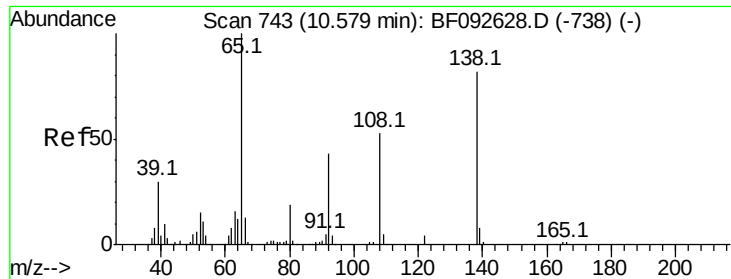


#57
Fluorene
Concen: 2.35 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	32382		
165	101.4		77.8	116.8
167	17.1		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





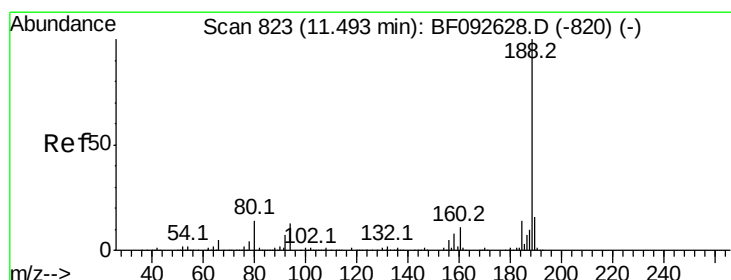
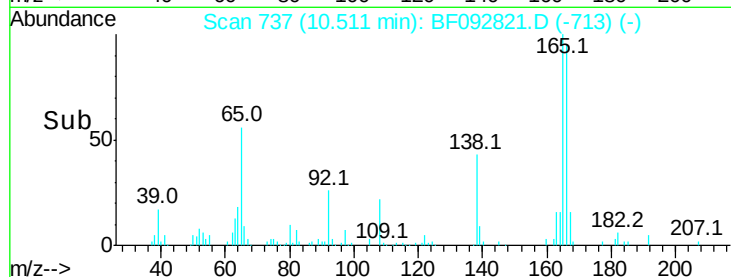
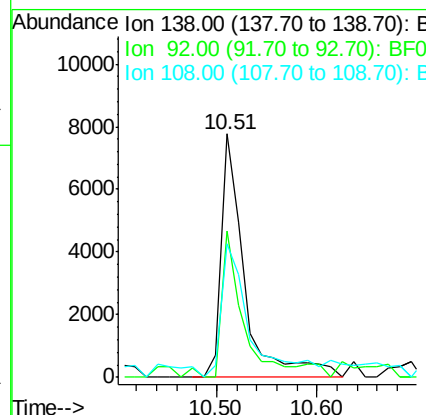
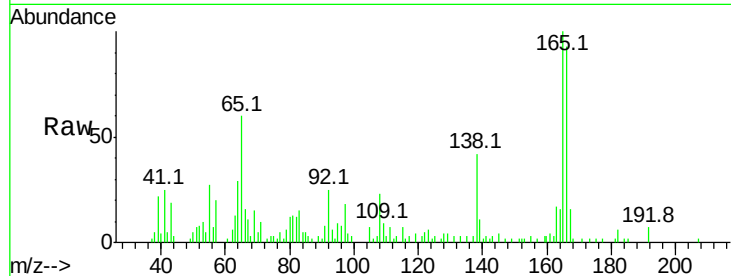
#61
4-Nitroaniline
Concen: 3.19 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.02 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampled :
B2-9

Tot Ion	Ratio	Lower	Upper
138	100		
92	59.9	31.7	71.7
108	54.7	52.6	92.6

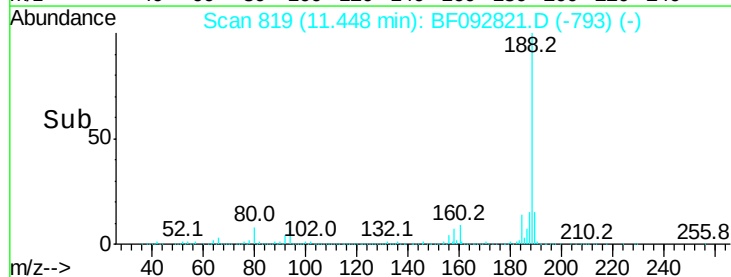
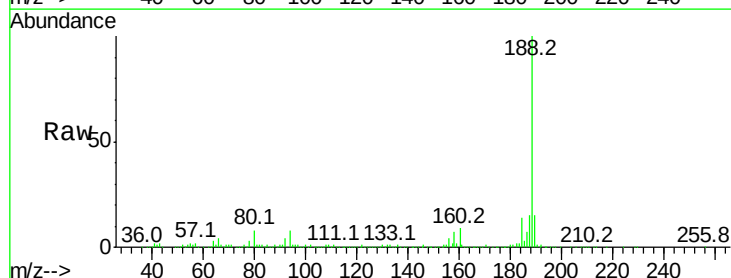
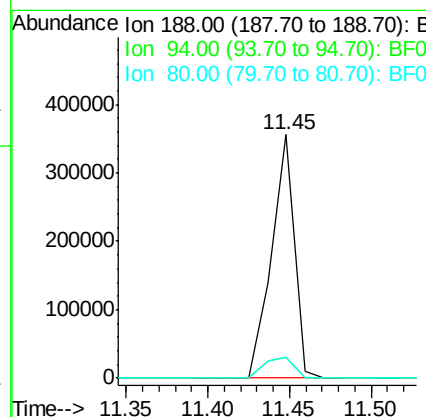
Manual Integrations
APPROVED

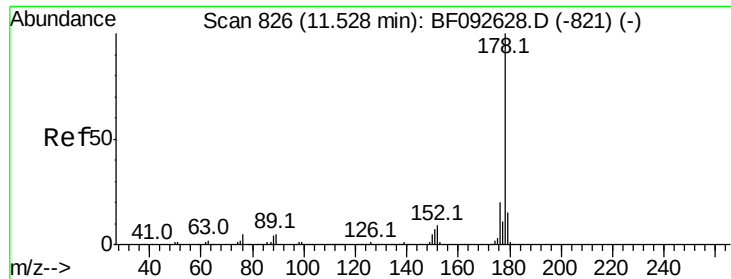
mohammad
2/7/2017 3:15:18 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	10.0	15.0#
80	8.4	11.2	16.8#





#70

Phenanthrene

Concen: 22.12 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Instrument :

BNA_F

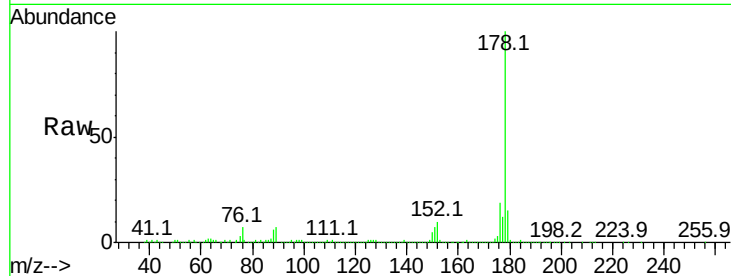
ClientSampled :

B2-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	25.0
179	15.5	12.8	19.2

Manual Integrations
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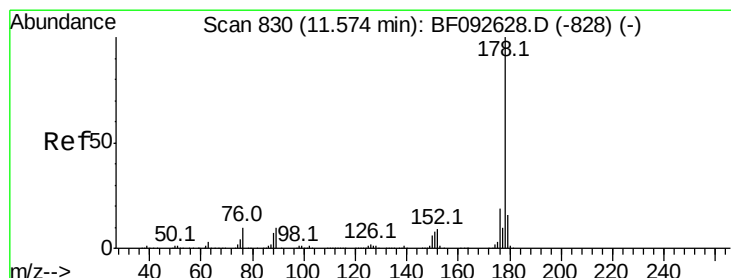
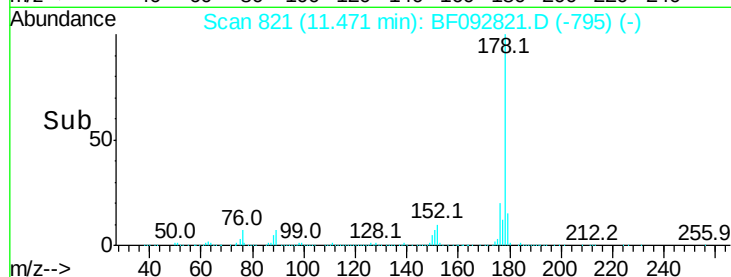
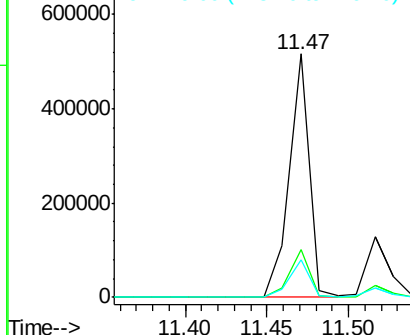
mohammad
2/7/2017 3:15:18 PM



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: 6.09 ng

RT: 11.52 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF092821.D

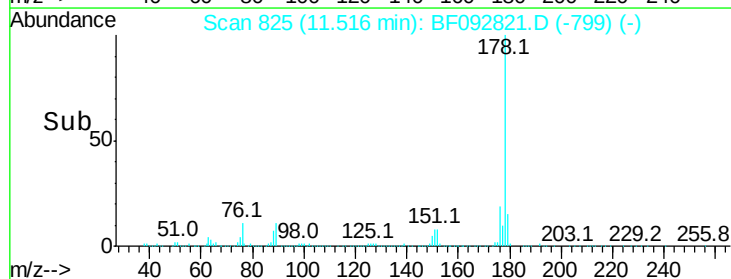
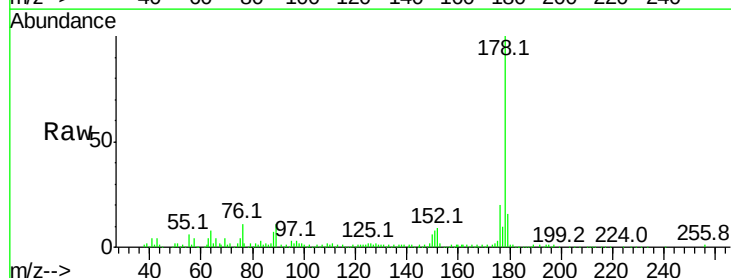
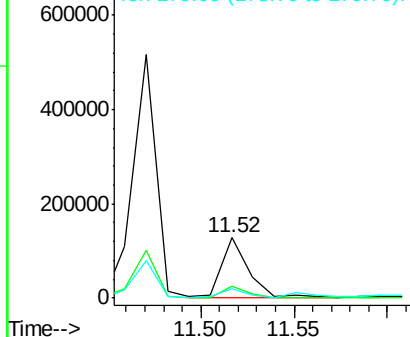
Acq: 7 Feb 2017 2:55

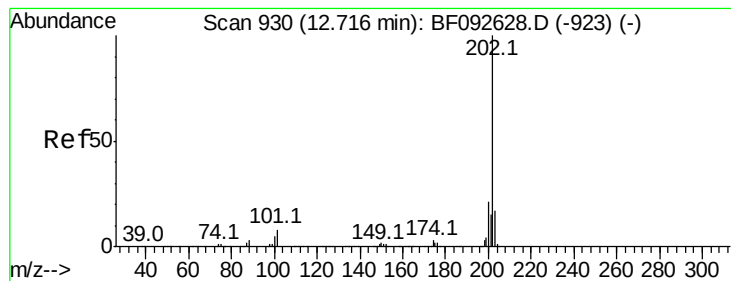
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.6	13.2	19.8

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





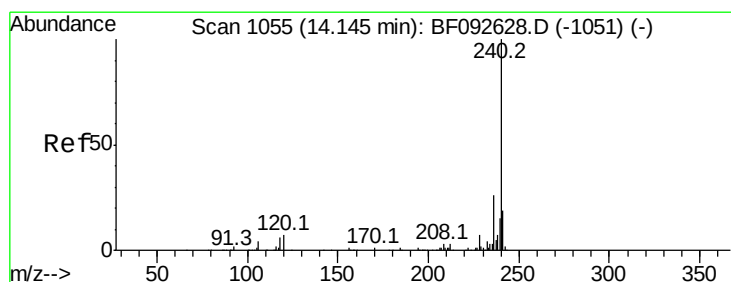
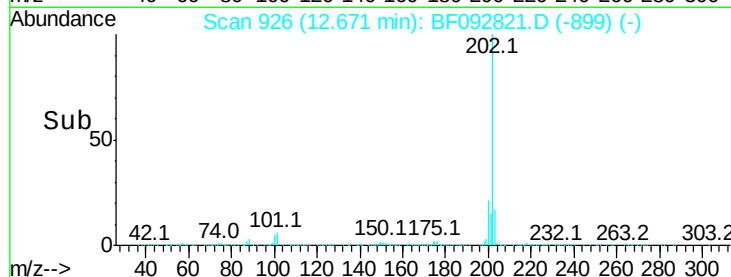
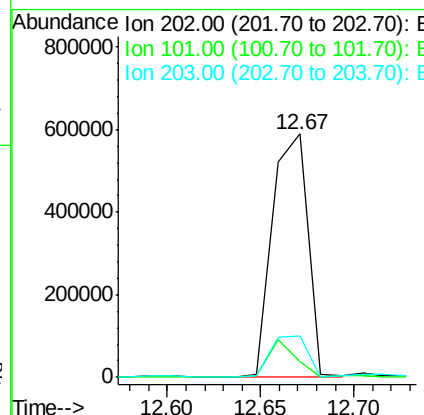
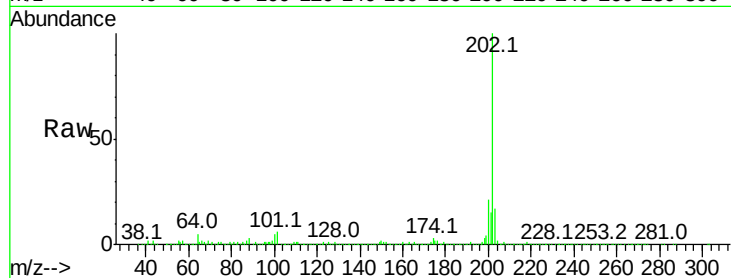
#74
 Fluoranthene
 Concen: 37.40 ng
 RT: 12.67 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: BF092821.D
 Acq: 7 Feb 2017 2:55

Instrument :
 BNA_F
 ClientSampleId :
 B2-9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.5	0.0	34.6
203	17.0	0.0	38.7

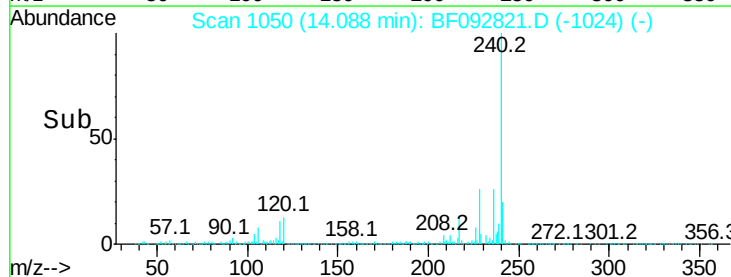
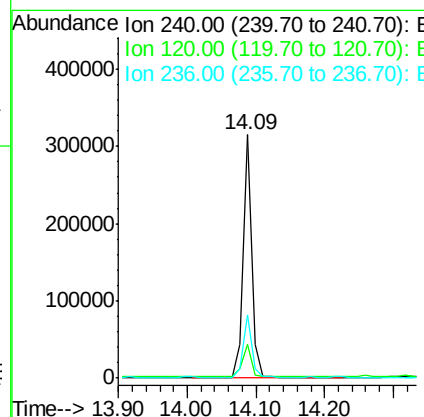
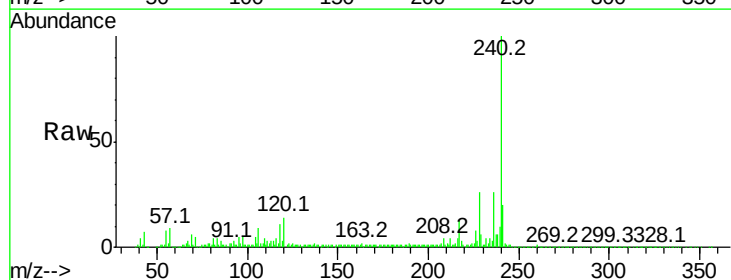
Manual Integrations
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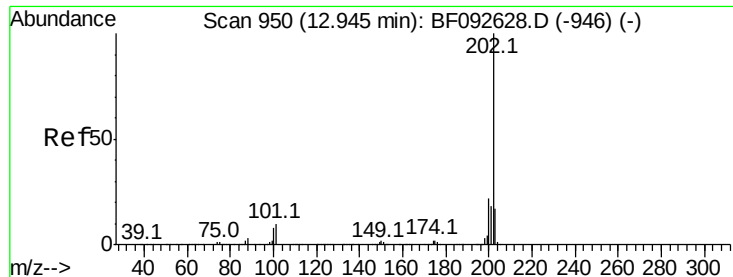
mohammad
 2/7/2017 3:15:18 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF092821.D
 Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.6	12.9	19.3
236	25.9	20.9	31.3





#77

Pvrene

Concen: 31.48 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Instrument :

BNA_F

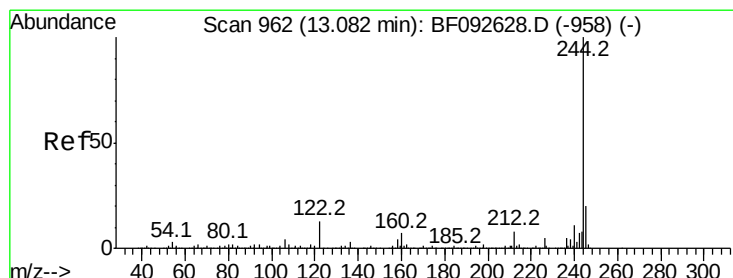
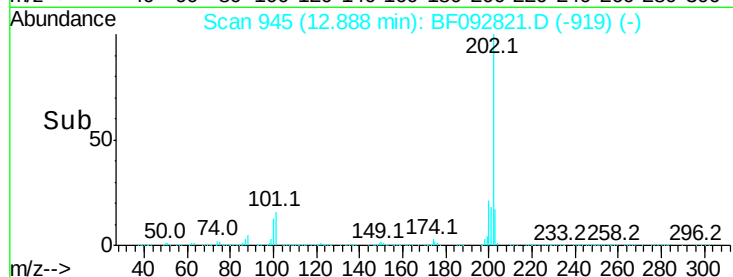
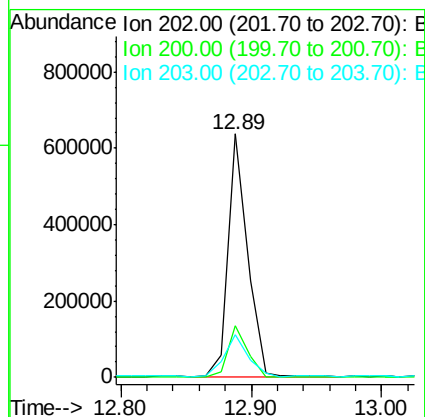
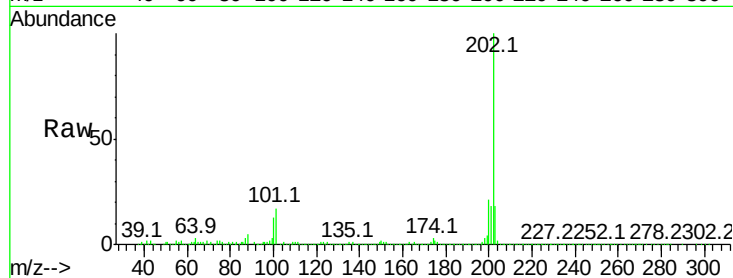
ClientSampleId :

B2-9

Tot Ion:	202	Resp:	658172
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	17.6	14.7	22.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 32.98 ng

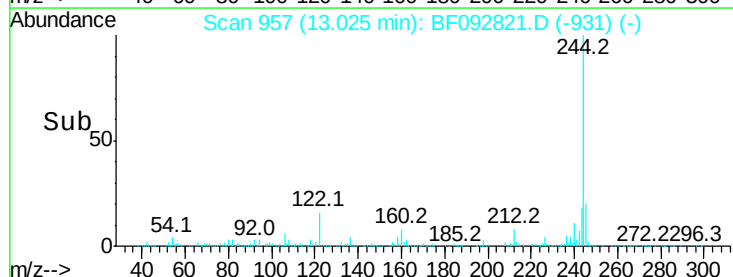
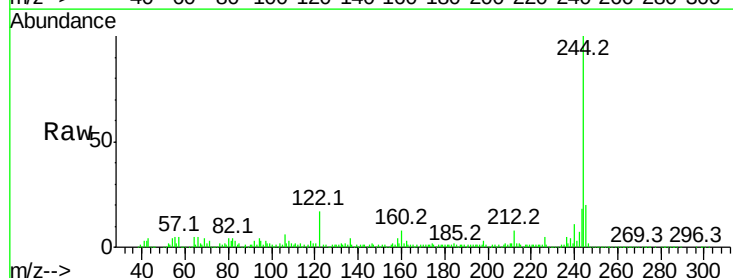
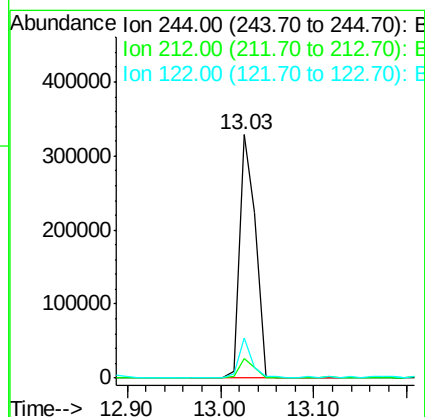
RT: 13.03 min Scan# 957

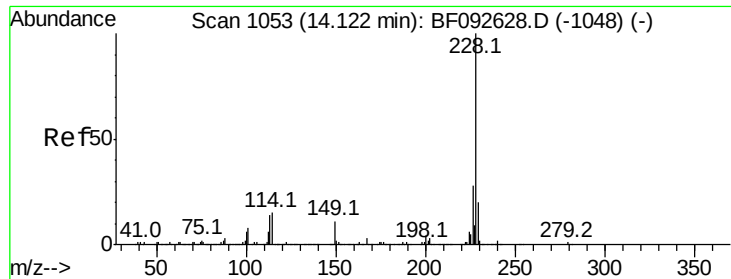
Delta R.T. 0.00 min

Lab File: BF092821.D

Acq: 7 Feb 2017 2:55

Tgt Ion:	244	Resp:	392170
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	16.6	11.4	17.2





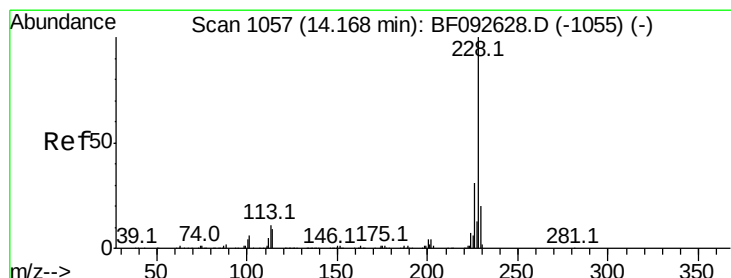
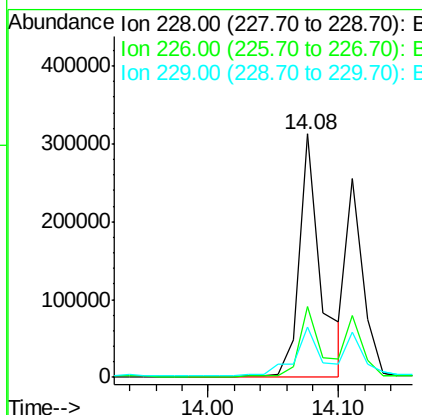
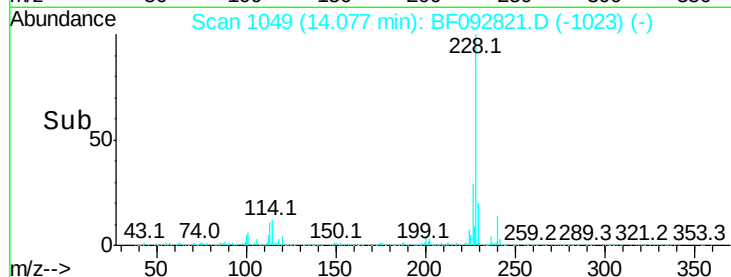
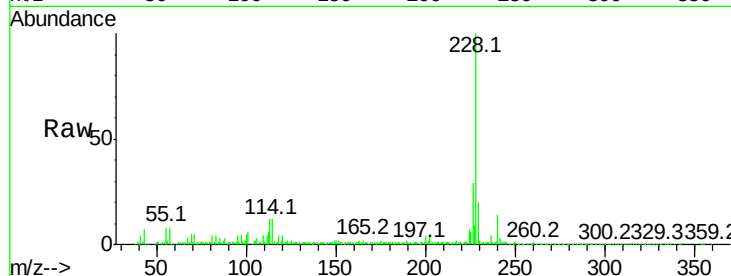
#80
Benzo(a)anthracene
Concen: 20.86 ng
RT: 14.08 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampled :
B2-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.4	33.6
229	20.4	16.2	24.4

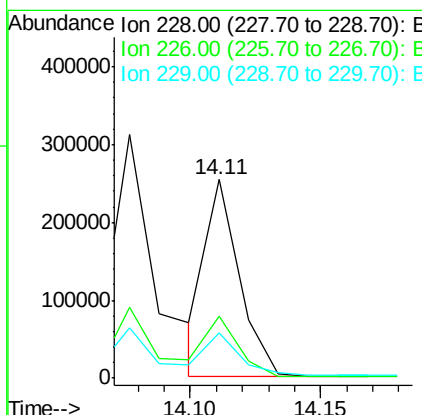
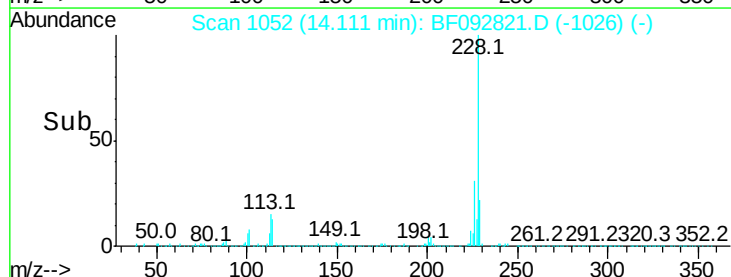
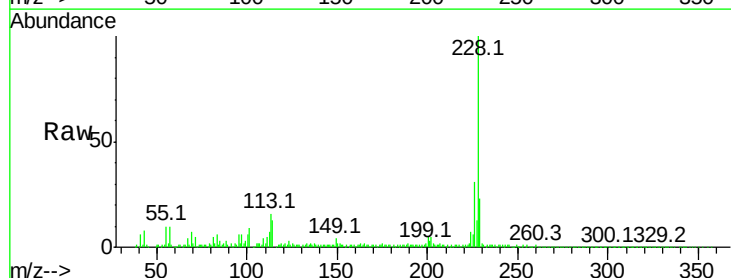
Manual Integrations
APPROVED

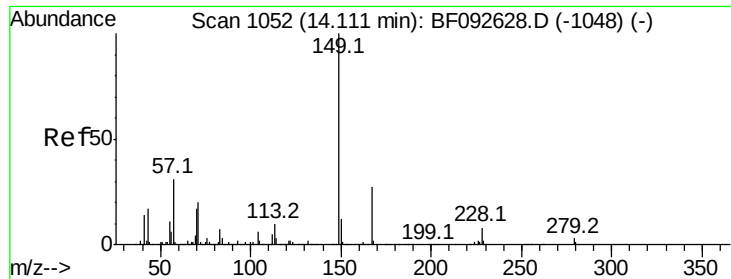
mohammad
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#82
Chrysene
Concen: 14.25 ng
RT: 14.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	22.7	16.2	24.2





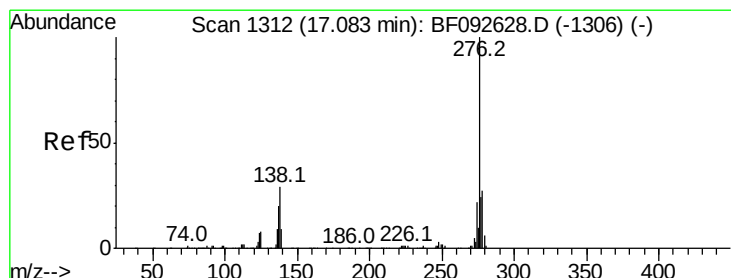
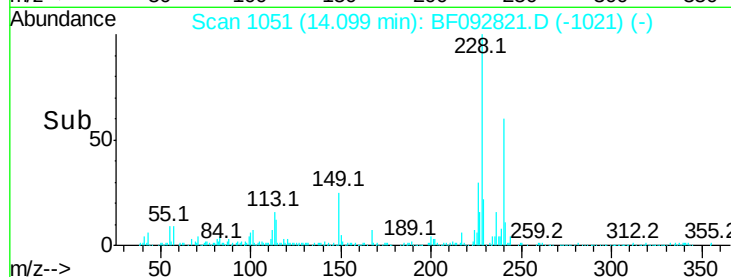
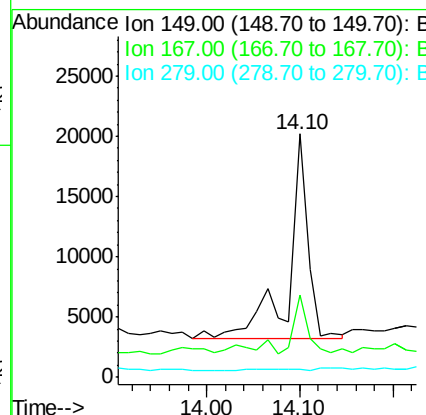
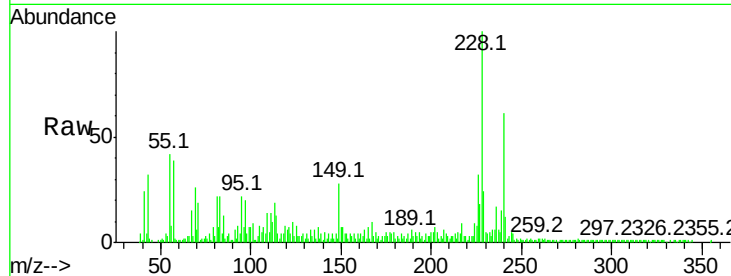
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.10 ng
 RT: 14.10 min Scan# 1051
 Delta R.T. 0.05 min
 Lab File: BF092821.D
 Acq: 7 Feb 2017 2:55

Instrument :
 BNA_F
 ClientSampleId :
 B2-9

Tot Ion	Ratio	Lower	Upper
149	100		
167	33.7	20.2	30.4#
279	3.2	1.8	2.8#

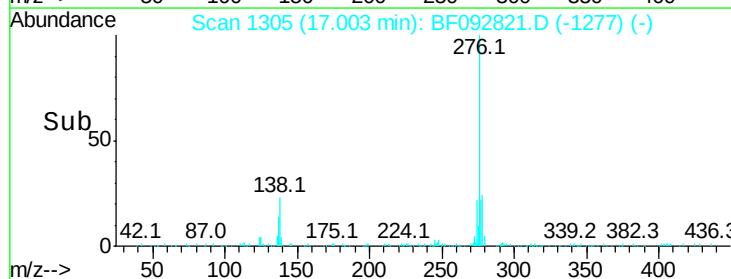
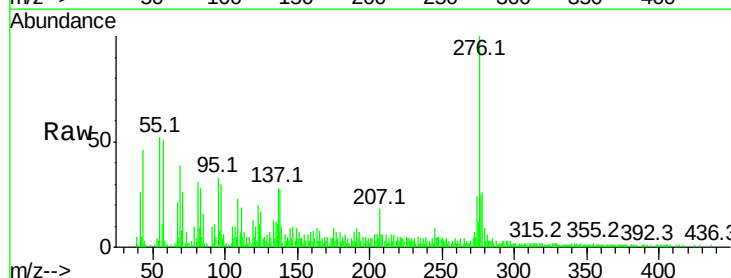
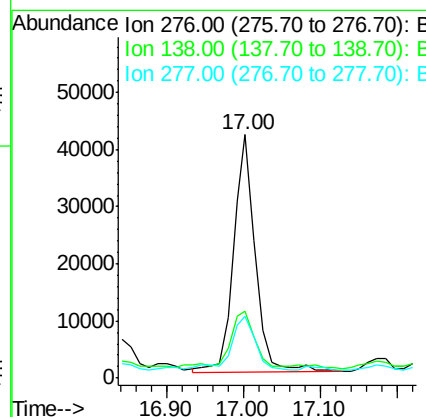
Manual Integrations
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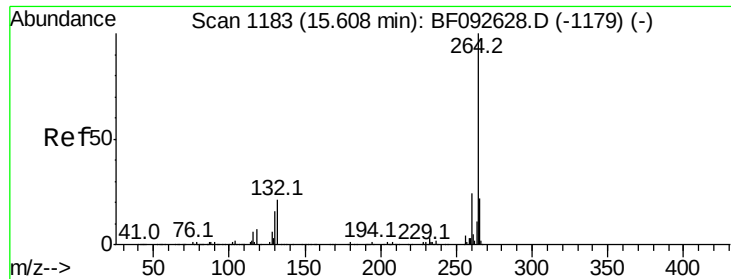
mohammad
 2/7/2017 3:15:18 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.69 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. 0.02 min
 Lab File: BF092821.D
 Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.8	32.6
277	27.3	20.2	30.4





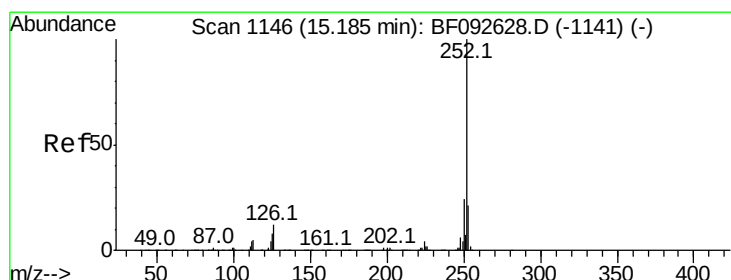
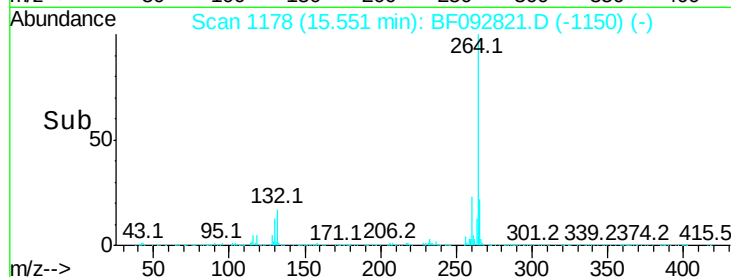
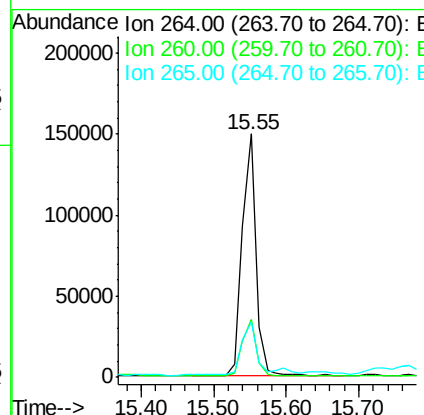
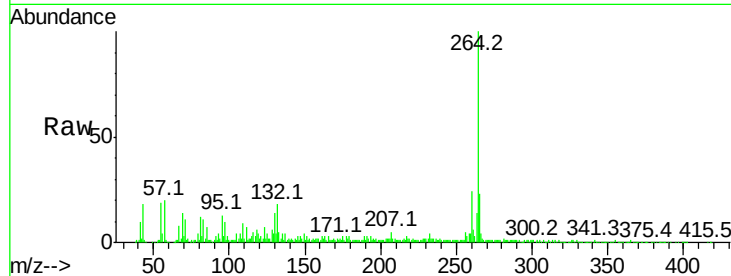
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampleId :
B2-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.0	17.4	26.0

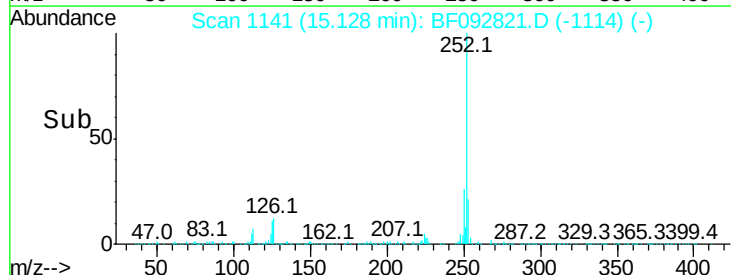
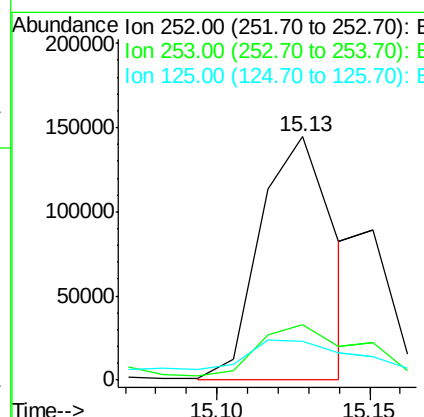
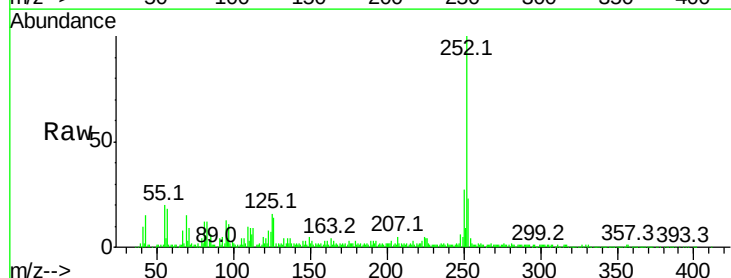
Manual Integrations
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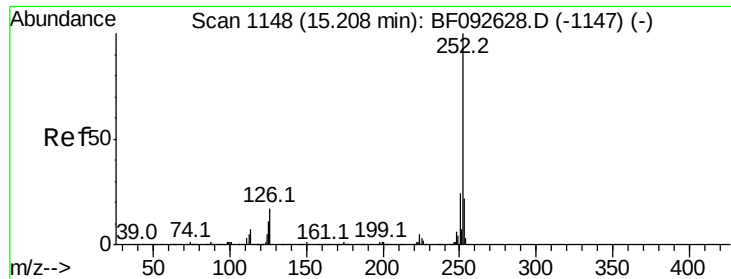
mohammad
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#87
Benzo(b)fluoranthene
Concen: 18.24 ng m
RT: 15.13 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	16.1	9.8	14.6





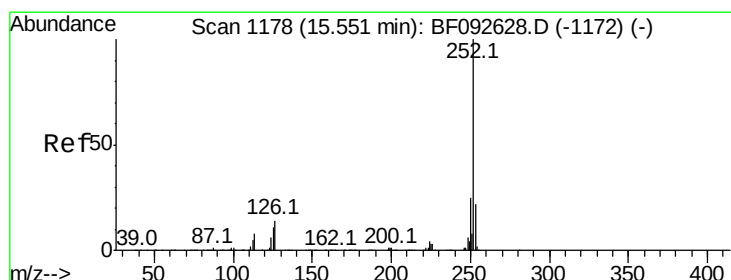
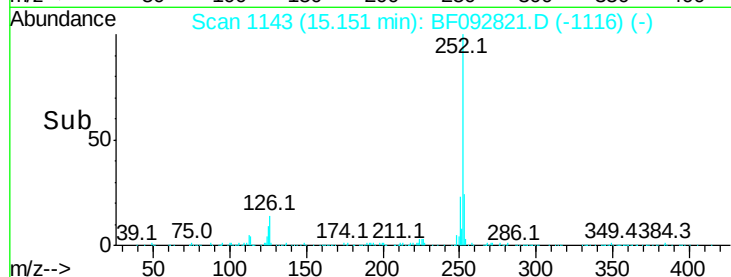
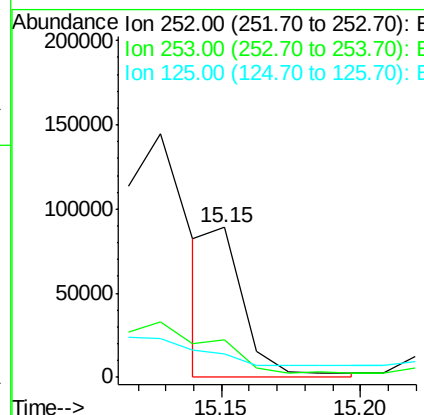
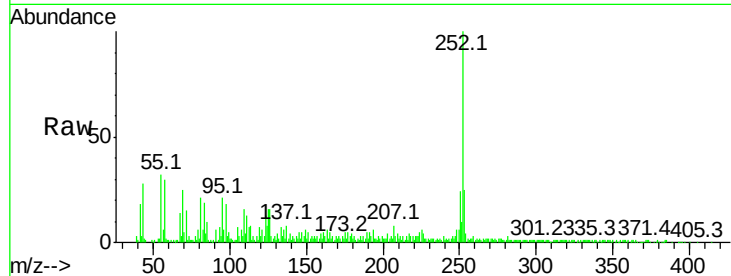
#88
Benzo(k)fluoranthene
Concen: 6.73 ng/ml
RT: 15.15 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampled :
B2-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.5	27.7
125	15.9	8.9	13.3

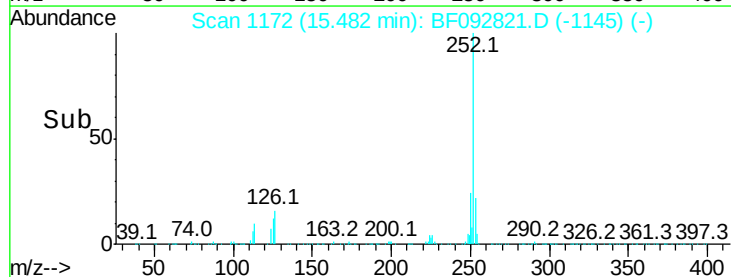
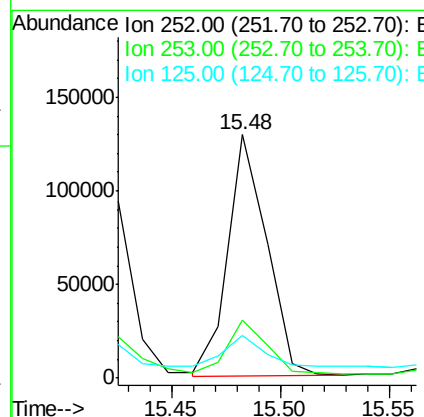
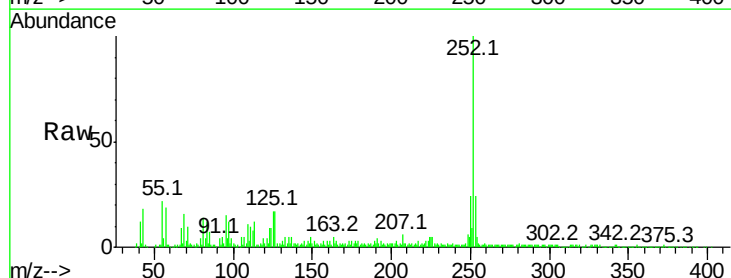
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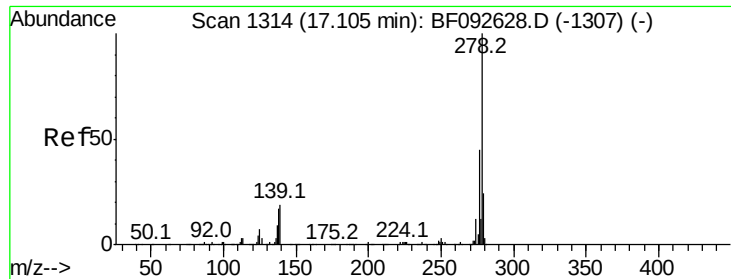
mohammad
2/7/2017 3:15:18 PM



#89
Benzo(a)pyrene
Concen: 13.94 ng/ml
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	17.3	10.0	15.0





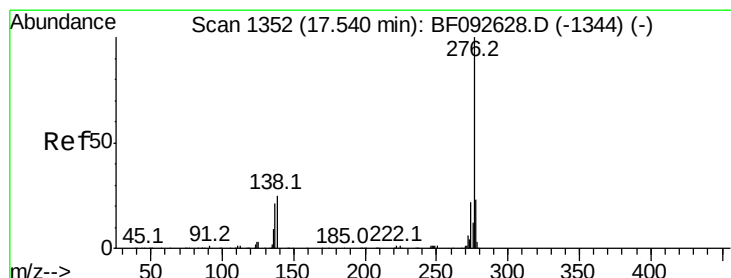
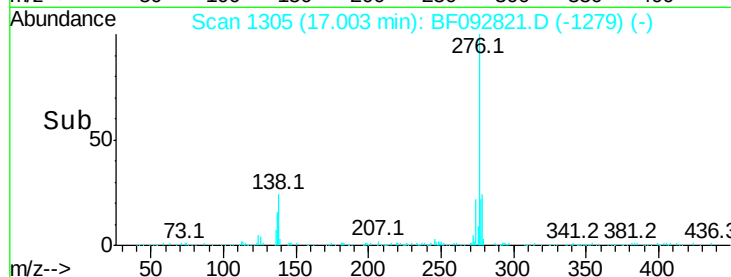
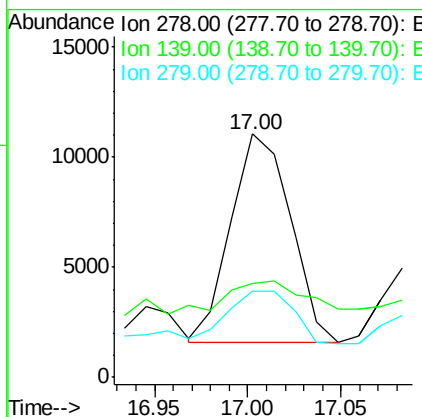
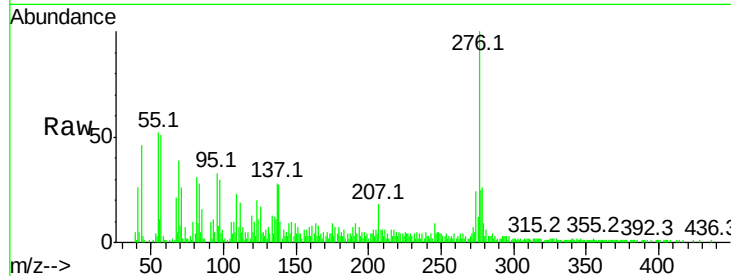
#90
Dibenzo(a,h)anthracene
Concen: 2.29 ng
RT: 17.00 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Instrument :
BNA_F
ClientSampled :
B2-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	38.8	14.8	22.2#
279	35.3	19.8	29.6#

Manual Integrations
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2/7/2017 3:15:18 PM



#91
Benzo(g,h,i)perylene
Concen: 7.77 ng
RT: 17.44 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF092821.D
Acq: 7 Feb 2017 2:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.2	28.8
138	30.3	16.0	24.0#

