

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092811.D
 Acq On : 6 Feb 2017 22:21
 Operator : SJ/MA
 Sample : I1695-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-11

Manual Integrations
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 2/7/2017 3:14:32 PM

Quant Time: Feb 07 01:49:33 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	159660	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	723190	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	307988	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	400977	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	324573	20.00	ng	0.00
86) Perylene-d12	15.54	264	276906	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1037320	111.47	ng	0.01
7) Phenol-d6	6.56	99	1175027	98.13	ng	0.00
23) Nitrobenzene-d5	7.48	82	850934	65.52	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	219367	98.48	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1310127	77.07	ng	0.00
78) Terphenyl-d14	13.04	244	791957	57.33	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.57	94	109844	7.84	ng	# 74
13) 1,4-Dichlorobenzene	6.93	146	30429	2.50	ng	95
14) 1,2-Dichlorobenzene	7.08	146	25379	2.18	ng	86
20) 3+4-Methylphenols	7.32	107	119573	11.35	ng	# 65
31) Naphthalene	8.22	128	309554	8.44	ng	99
37) 2-Methylnaphthalene	8.91	142	48950	2.08	ng	97
49) Dimethylphthalate	9.66	163	194263	9.36	ng	98
70) Phenanthrene	11.46	178	149406	6.50	ng	98
71) Anthracene	11.52	178	47053	2.04	ng	98
73) Di-n-butylphthalate	12.01	149	207548	8.70	ng	# 98
74) Fluoranthene	12.67	202	194855	8.22	ng	97
77) Pyrene	12.89	202	173958	7.16	ng	97
80) Benzo(a)anthracene	14.08	228	93117	4.69	ng	# 92
82) Chrysene	14.11	228	97883	5.27	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.98	276	46968	3.26	ng	# 92
87) Benzo(b)fluoranthene	15.12	252	108331m	5.94	ng	
88) Benzo(k)fluoranthene	15.13	252	50596m	3.22	ng	
89) Benzo(a)pyrene	15.48	252	78988	5.01	ng	# 83
91) Benzo(a,h,i)perylene	17.43	276	57023	4.43	ng	# 85

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

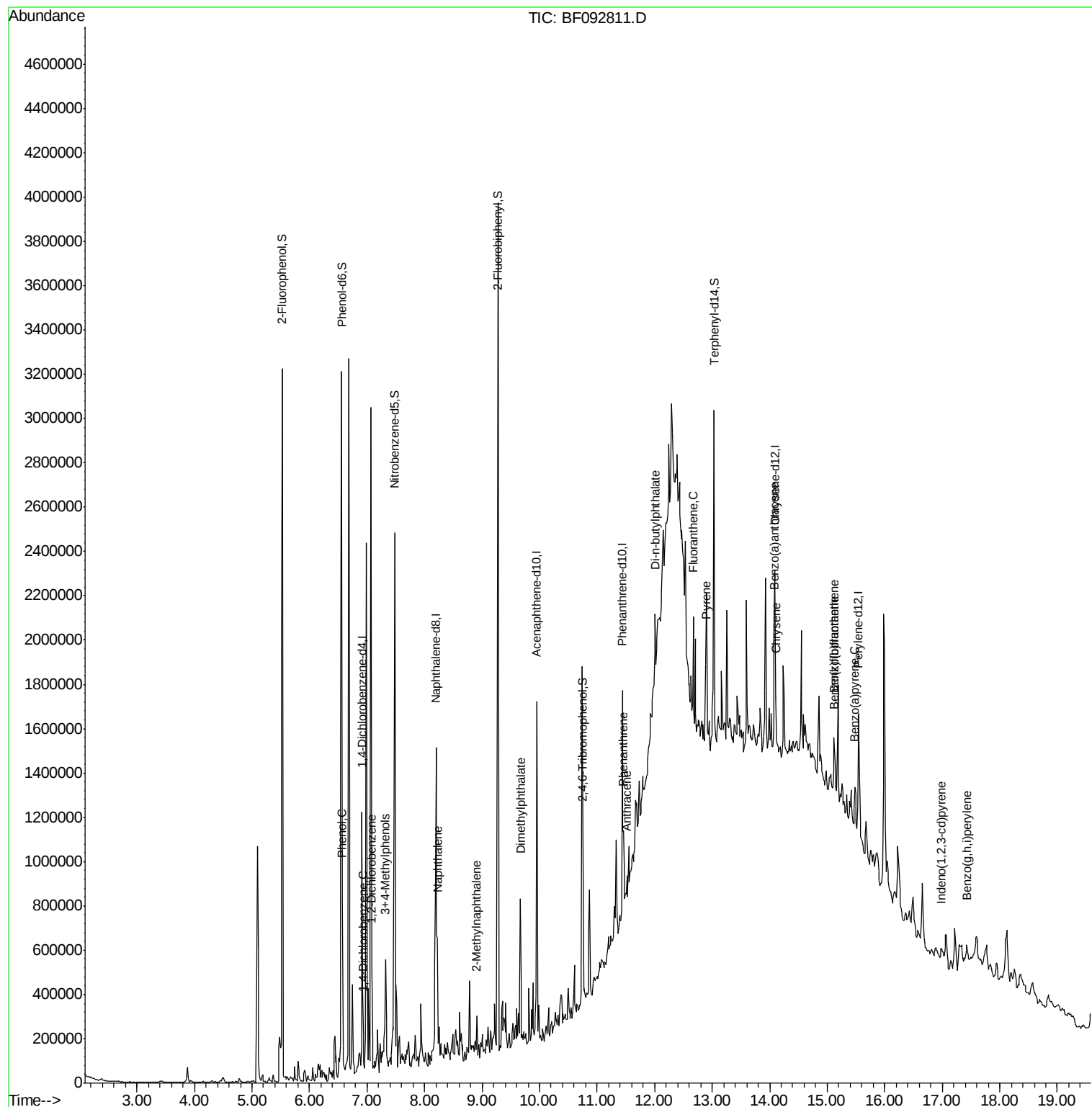
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
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ALS Vial : 15 Sample Multiplier: 1

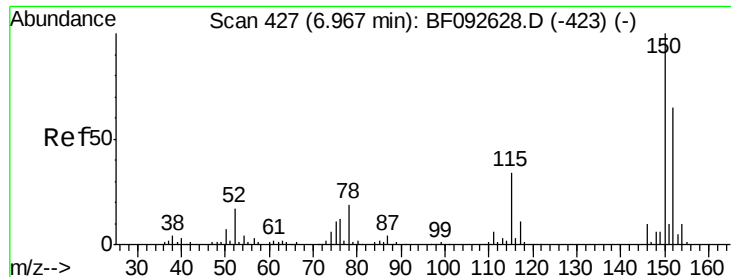
Instrument :
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ClientSampleId :
B2-11

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#1

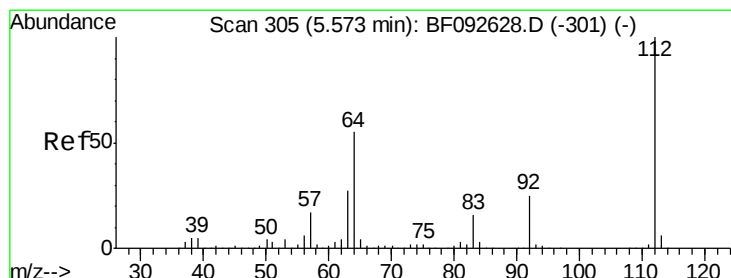
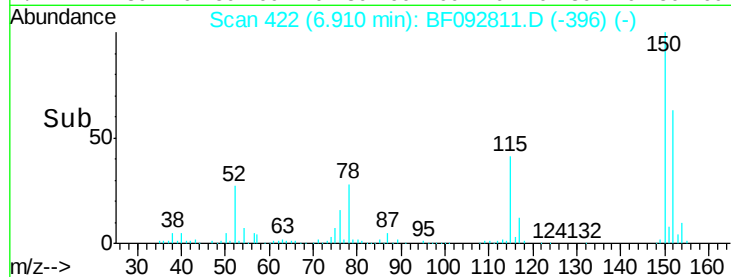
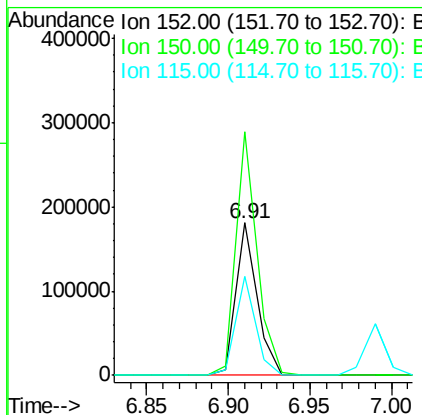
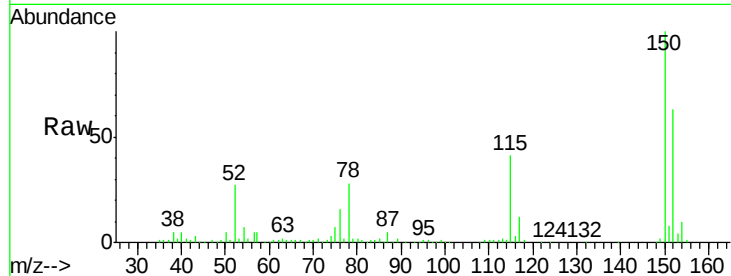
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 422
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampleId :
B2-11

Tot Ion	Ratio	Resp	Lower	Upper
152	100	159660		
150	159.6	124.9	187.3	
115	65.0	46.0	69.0	

Manual Integrations
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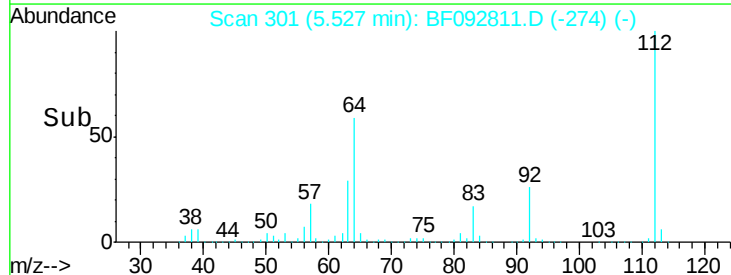
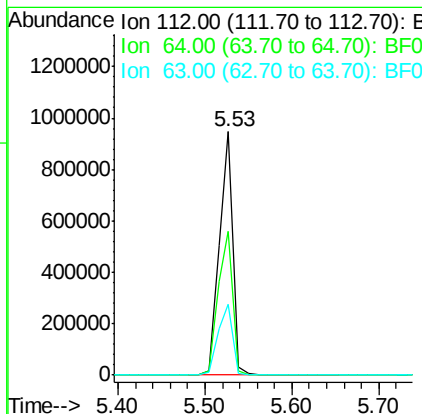
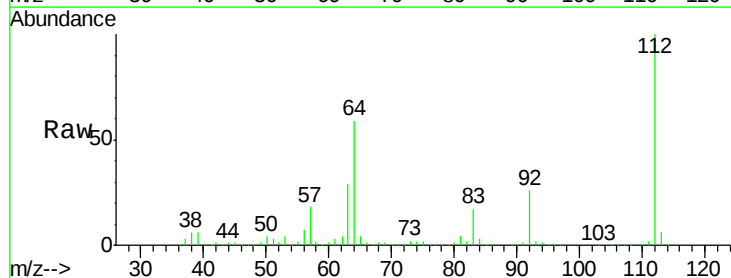
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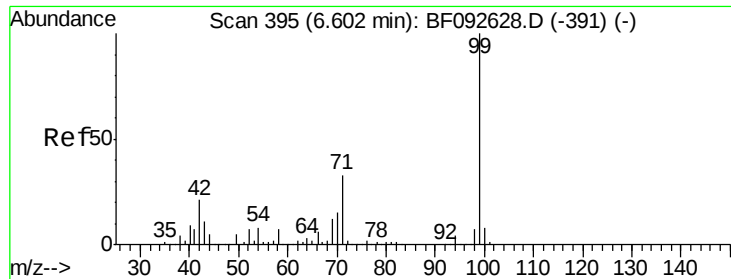


#5

2-Fluorophenol
Concen: 111.47 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1037320		
64	59.2	46.1	69.1	
63	29.3	23.8	35.6	





#7

Phenol-d6

Concen: 98.13 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.00 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Instrument :

BNA_F

ClientSampled :

B2-11

Tot Ion: 99 Resp: 1175027

Ion Ratio Lower Upper

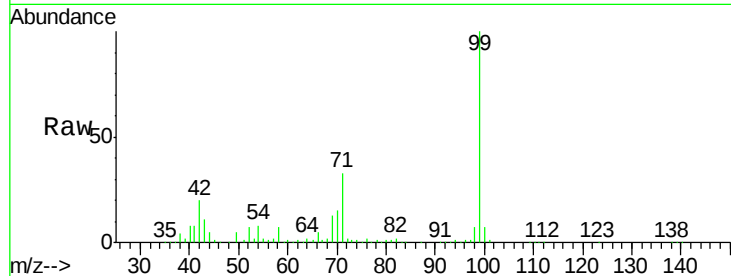
99 100

42 20.2 15.6 23.4

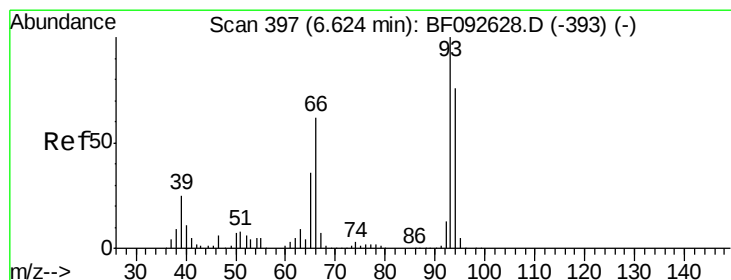
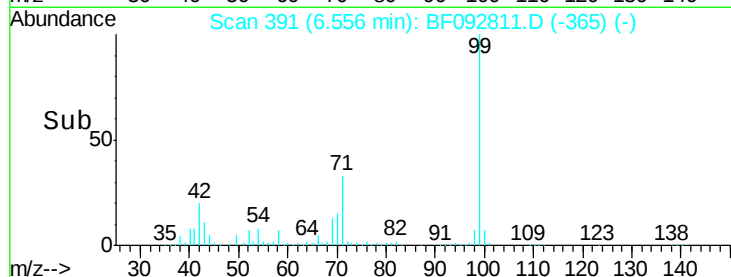
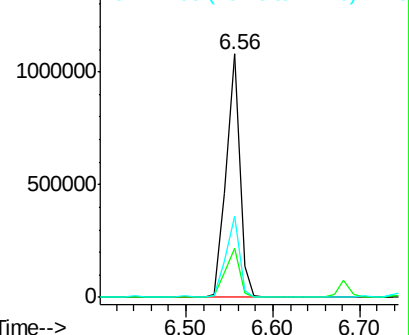
71 33.2 27.5 41.3

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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: 7.84 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

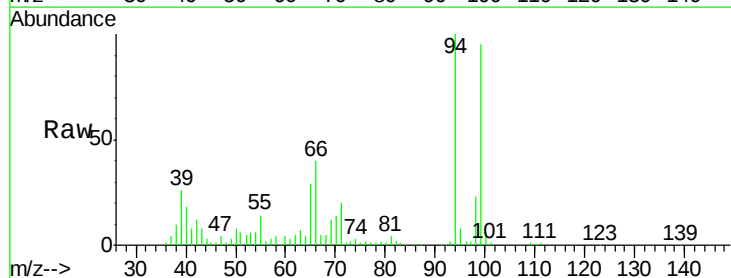
Tgt Ion: 94 Resp: 109844

Ion Ratio Lower Upper

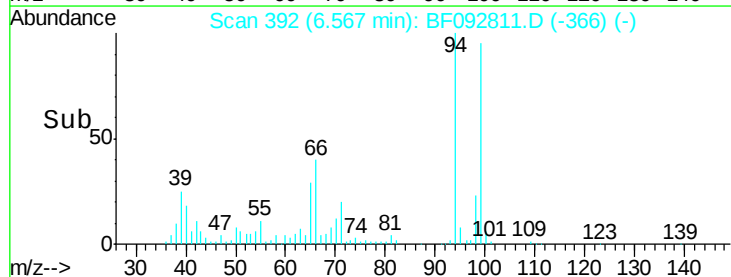
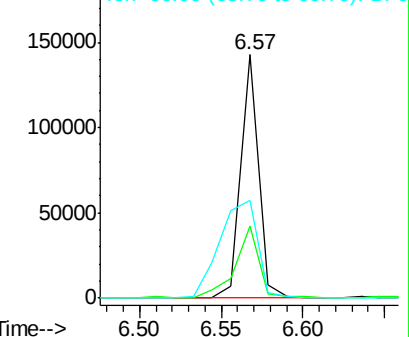
94 100

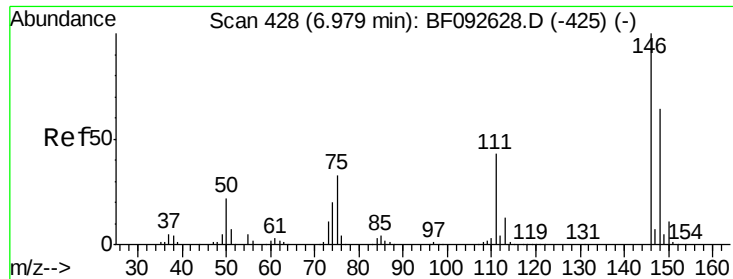
65 29.4 21.4 61.4

66 40.0 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





#13

1,4-Dichlorobenzene

Concen: 2.50 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Instrument :

BNA_F

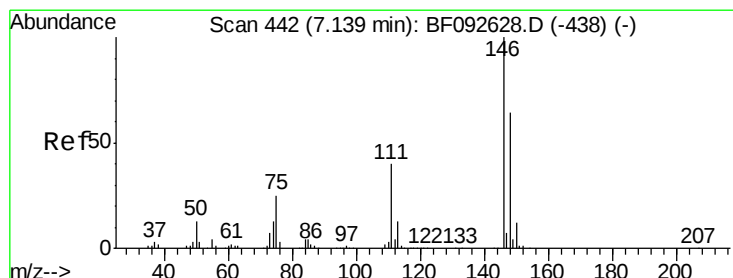
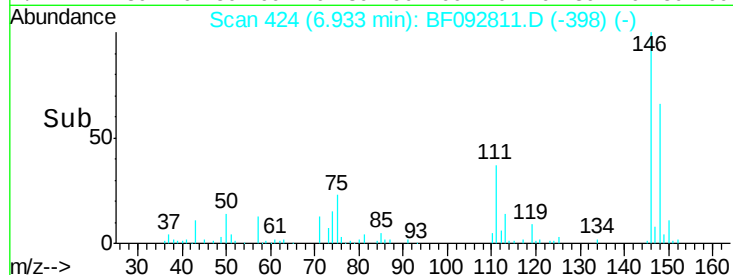
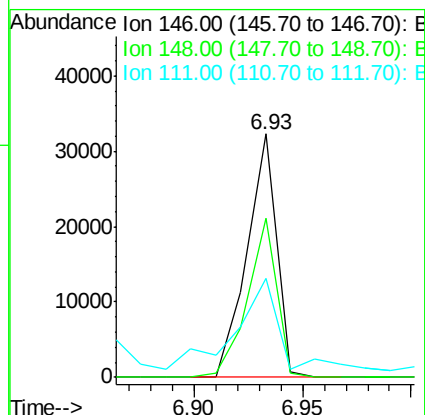
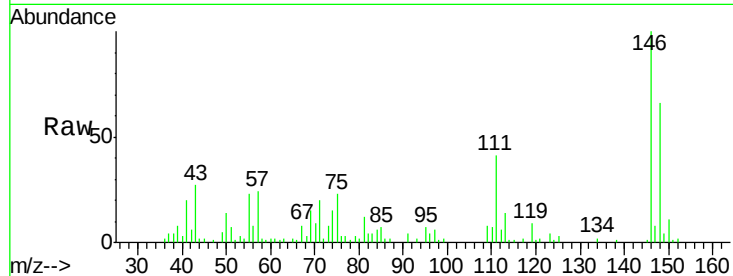
ClientSampleId :

B2-11

Tot Ion:	146	Resp:	30429
Ion Ratio	Lower	Upper	
146	100		
148	65.5	50.6	76.0
111	40.7	36.2	54.4

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#14

1,2-Dichlorobenzene

Concen: 2.18 ng

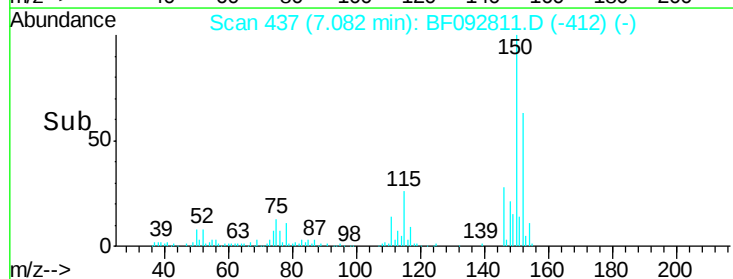
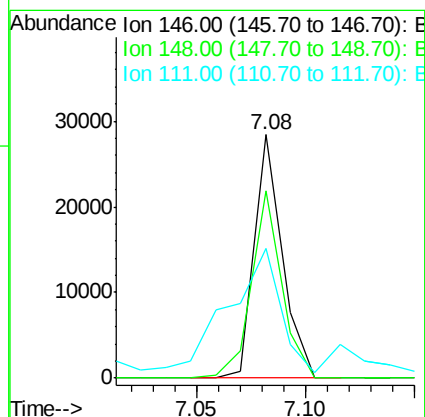
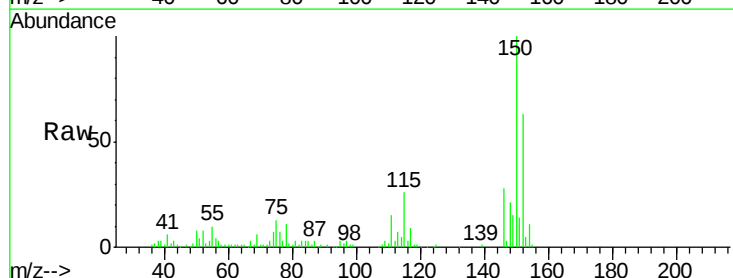
RT: 7.08 min Scan# 437

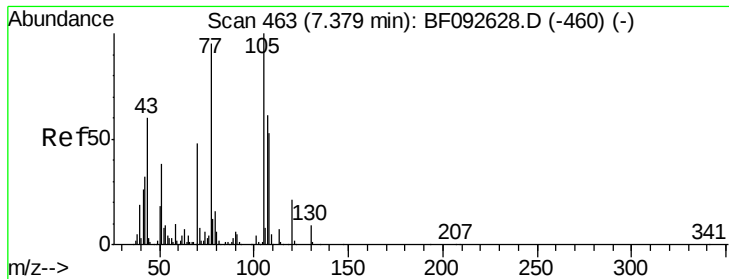
Delta R.T. -0.01 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Tgt Ion:	146	Resp:	25379
Ion Ratio	Lower	Upper	
146	100		
148	77.2	52.2	78.2
111	53.1	36.2	54.2





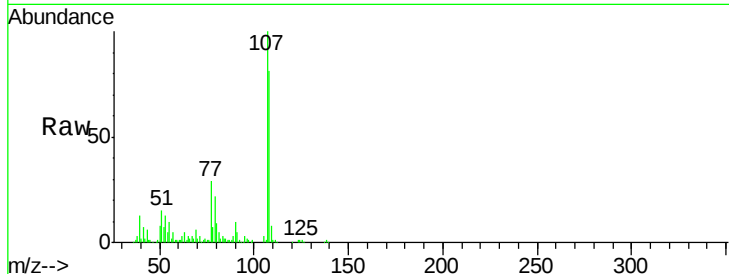
#20
3+4-Methylphenols
Concen: 11.35 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampleId :
B2-11

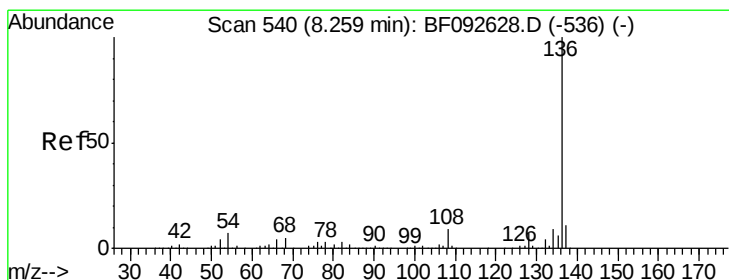
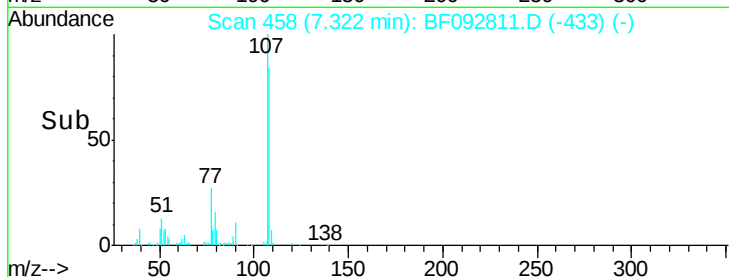
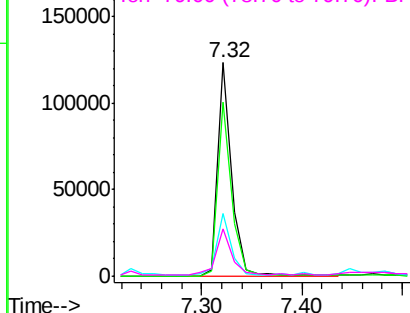
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	81.2	73.0	113.0	
77	29.4	71.3	111.3	
79	21.9	11.1	51.1	

Manual Integrations
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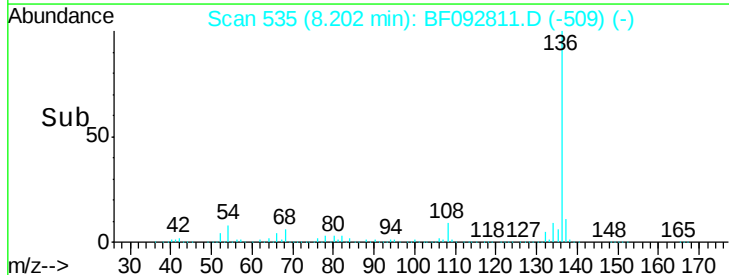
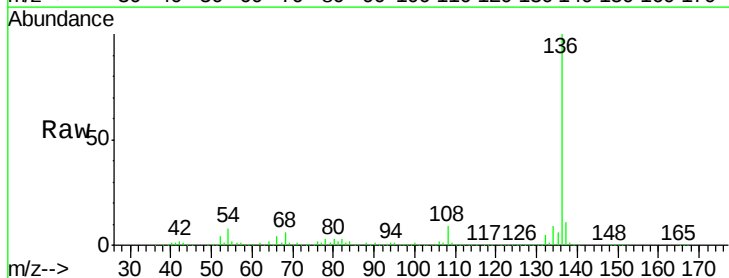
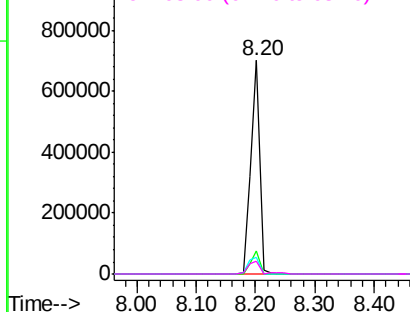
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

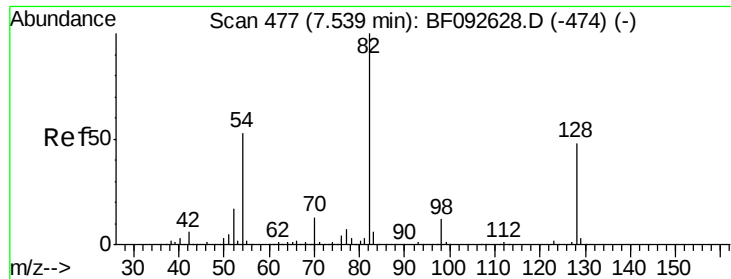


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.4	12.6	
54	7.7	4.5	6.7	
68	5.8	3.6	5.4	

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





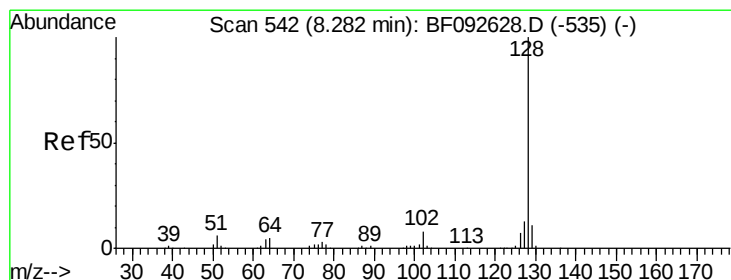
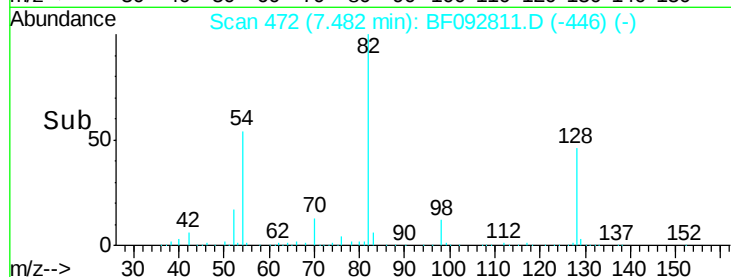
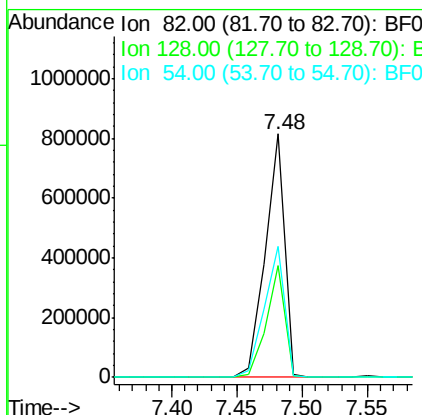
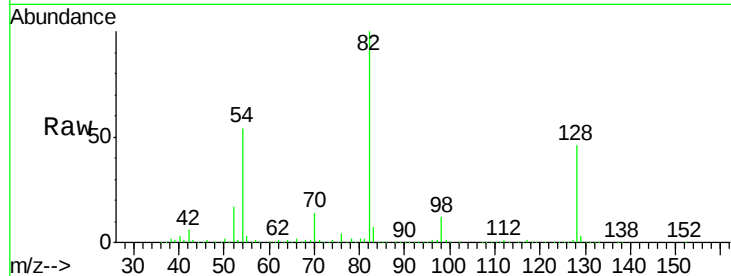
#23
Nitrobenzene-d5
Concen: 65.52 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampled :
B2-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.6	52.0
54	53.9	39.5	59.3

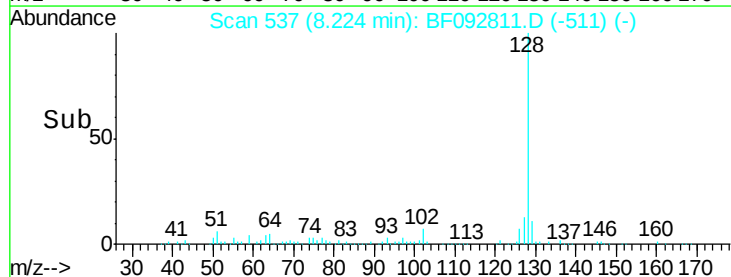
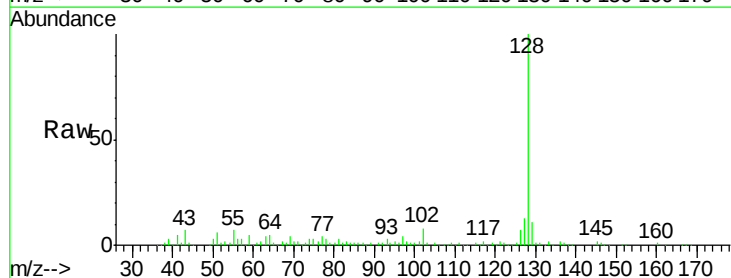
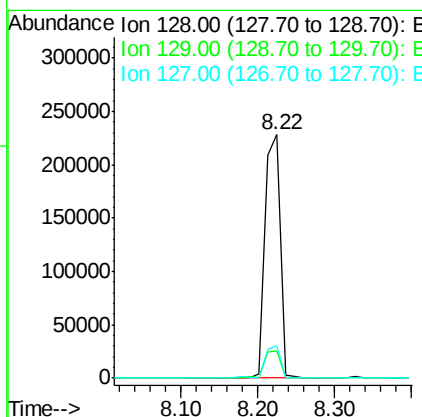
Manual Integrations
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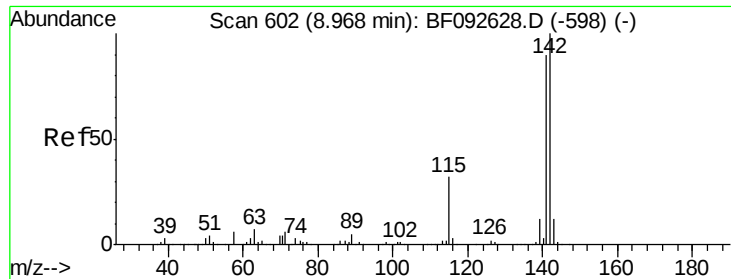
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#31
Naphthalene
Concen: 8.44 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.5	14.3
127	13.2	10.8	16.2





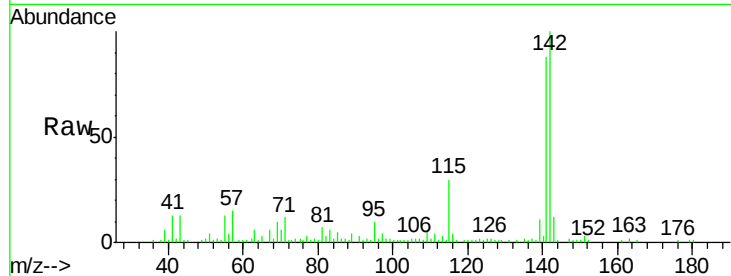
#37
2-Methylnaphthalene
Concen: 2.08 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampleId :
B2-11

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.6
115	30.1	28.3	42.5

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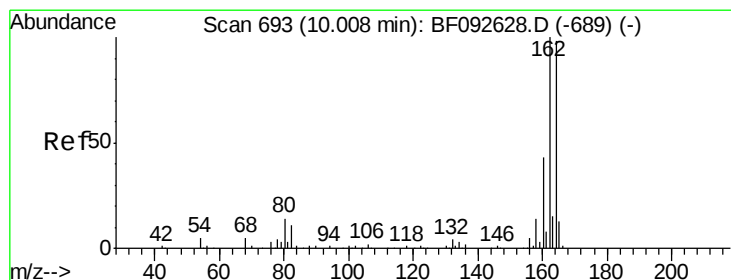
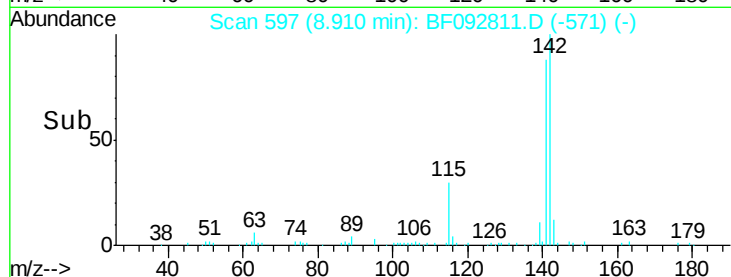
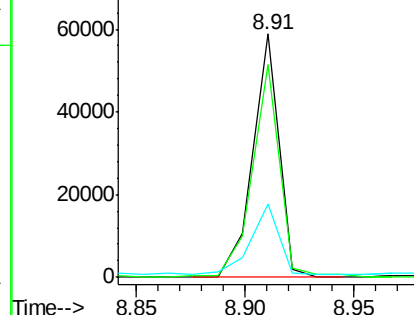


Abundance

Ion 142.00 (141.70 to 142.70): E

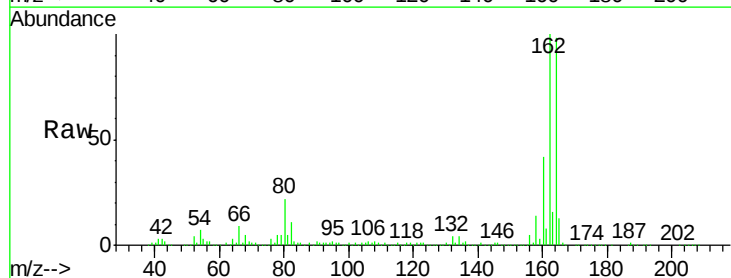
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.2	120.2
160	43.2	36.9	55.3

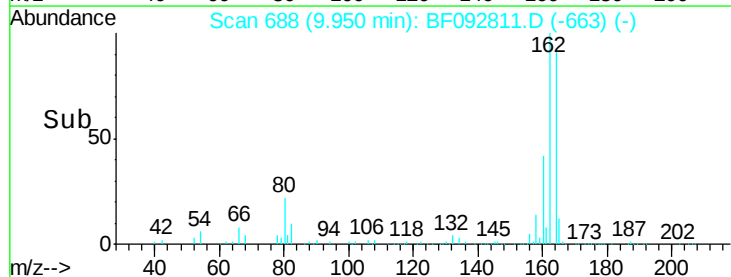
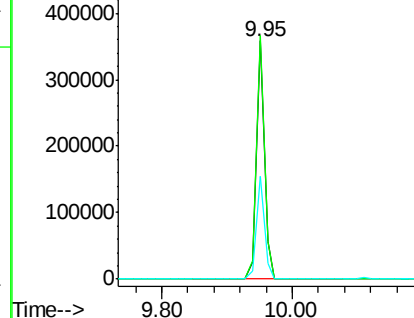


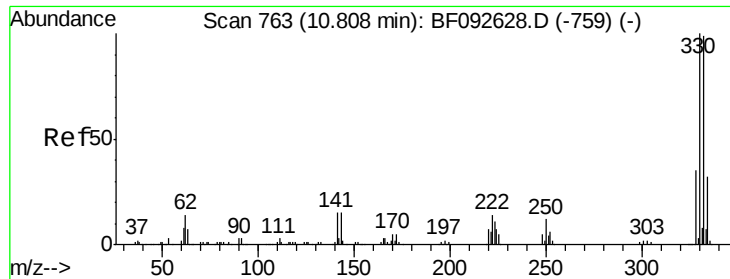
Abundance

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





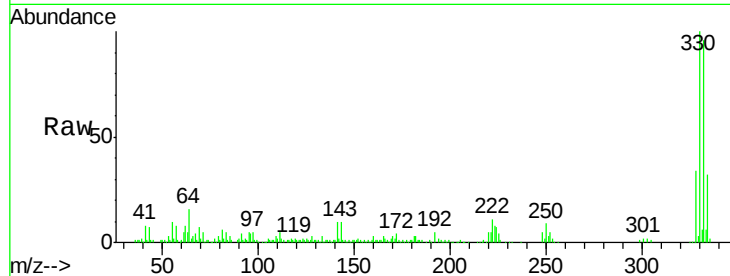
#41
 2,4,6-Tribromophenol
 Concen: 98.48 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF092811.D
 Acq: 6 Feb 2017 22:21

Instrument :
 BNA_F
 ClientSampleId :
 B2-11

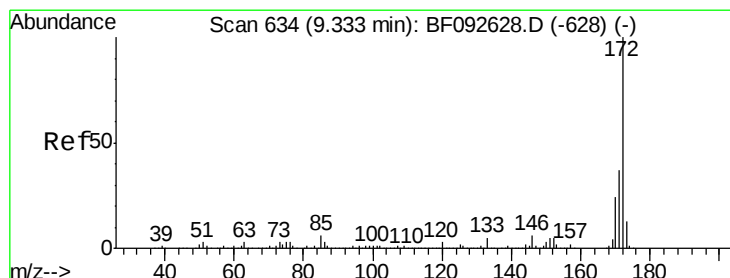
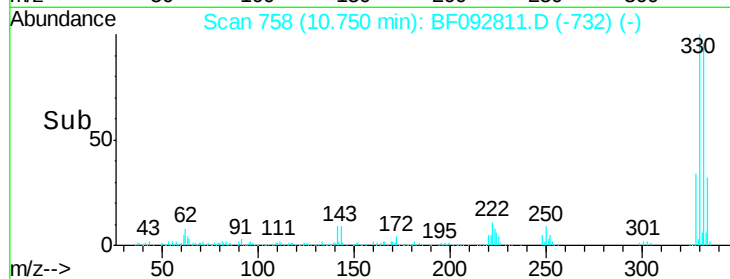
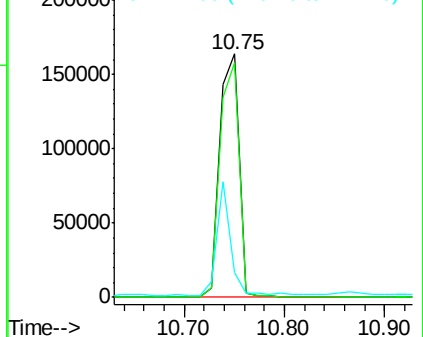
Tot Ion	Ratio	Resp	Lower	Upper
330	100	219367		
332	95.1	77.4	116.2	
141	33.4	34.1	51.1#	

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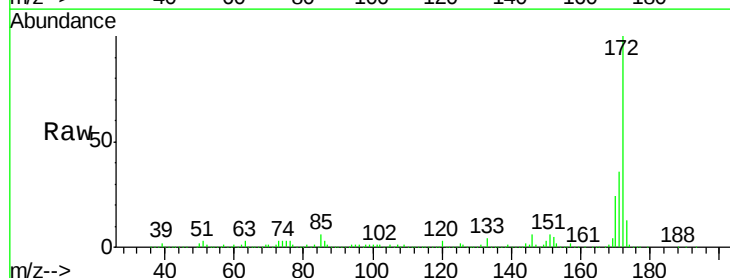


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

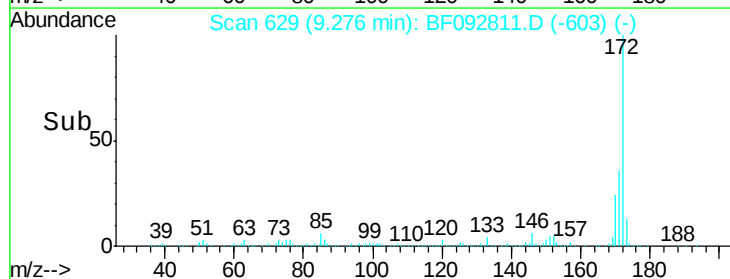
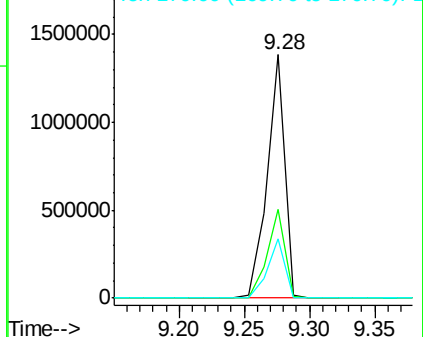


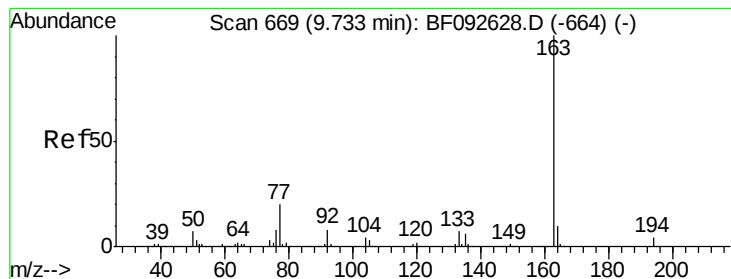
#44
 2-Fluorobiphenyl
 Concen: 77.07 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF092811.D
 Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1310127		
171	36.3	29.4	44.0	
170	24.2	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: 9.36 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.02 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Instrument :

BNA_F

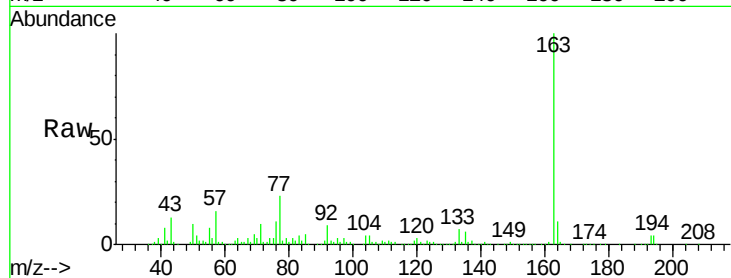
ClientSampleId :

B2-11

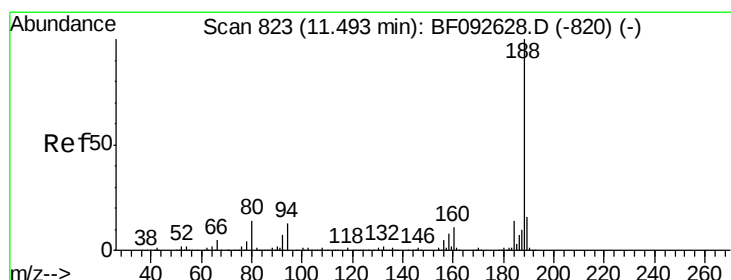
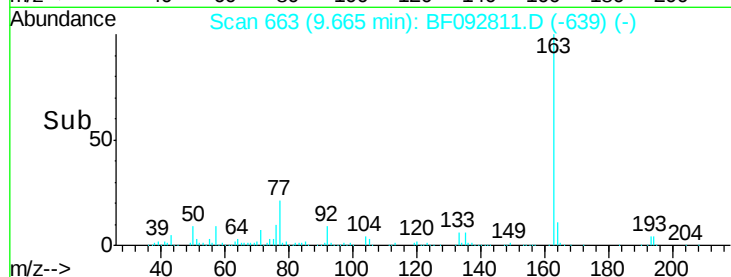
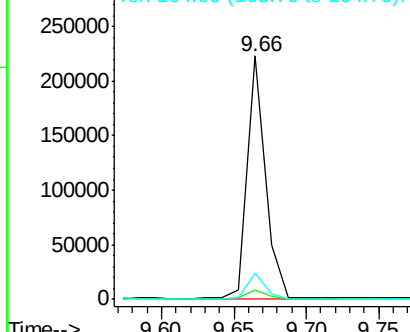
Tot Ion:	163	Resp:	194263
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.4
164	10.8	8.0	12.0

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

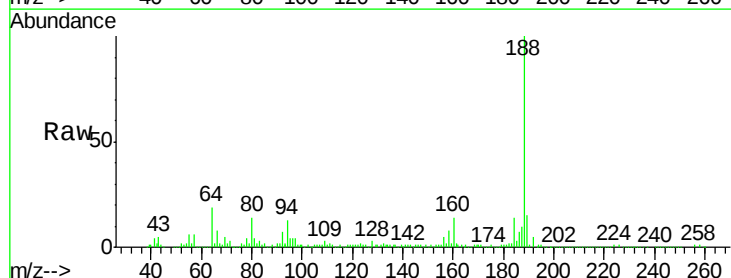
RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

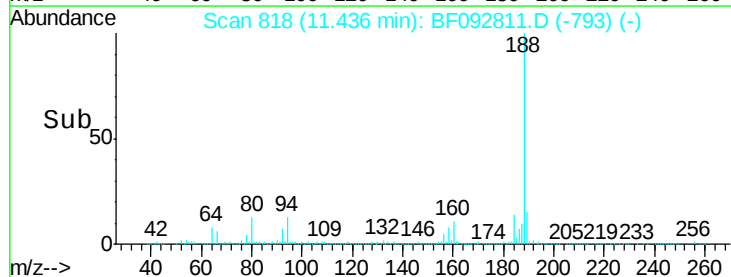
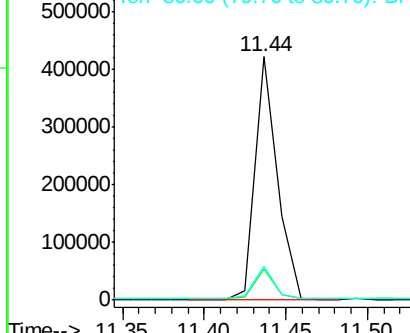
Lab File: BF092811.D

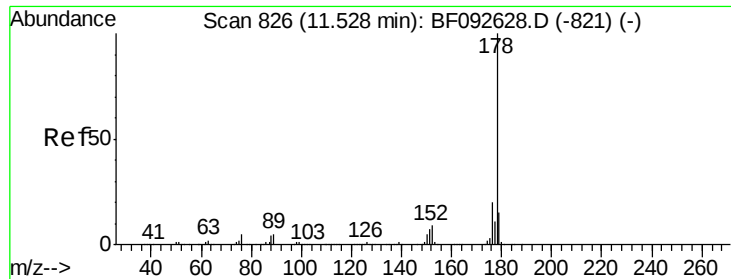
Acq: 6 Feb 2017 22:21

Tgt Ion:	188	Resp:	400977
Ion Ratio	Lower	Upper	
188	100		
94	12.9	10.0	15.0
80	13.7	11.2	16.8



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





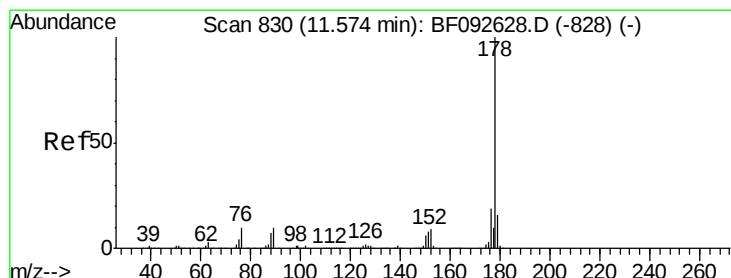
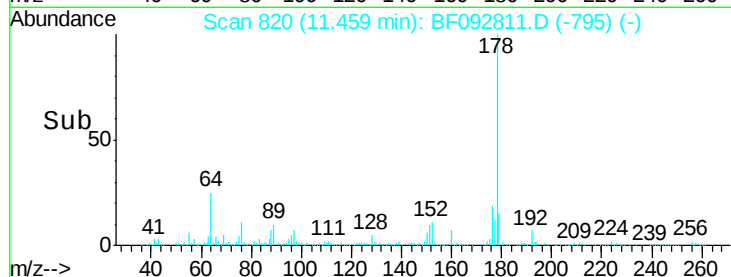
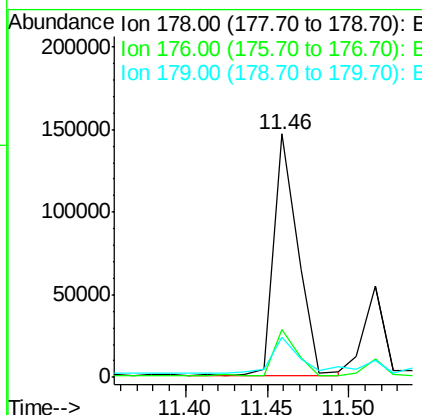
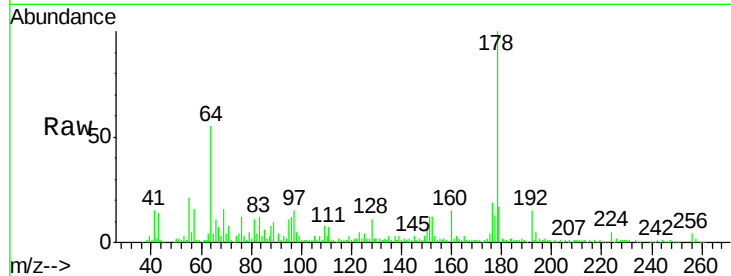
#70
Phenanthrene
Concen: 6.50 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampled :
B2-11

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	16.6	12.8	19.2

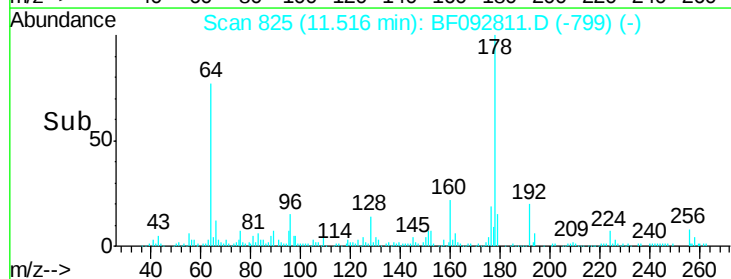
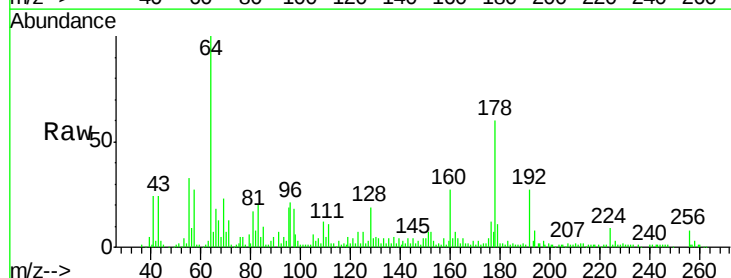
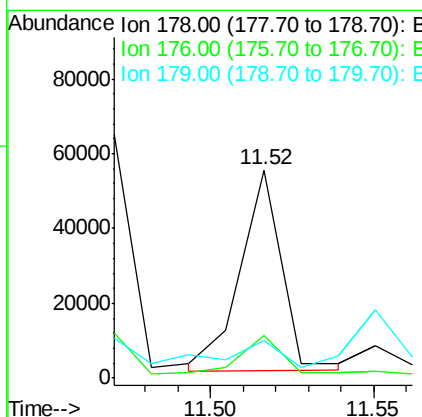
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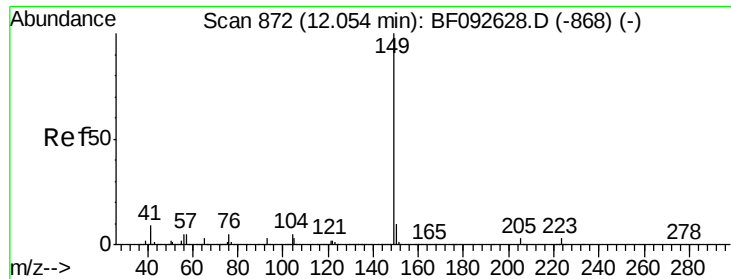
mohammad
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#71
Anthracene
Concen: 2.04 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.9	23.9
179	18.1	13.2	19.8





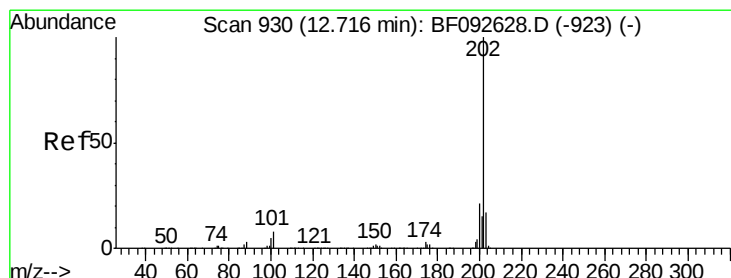
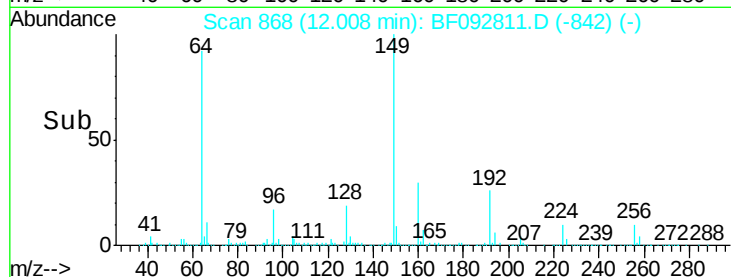
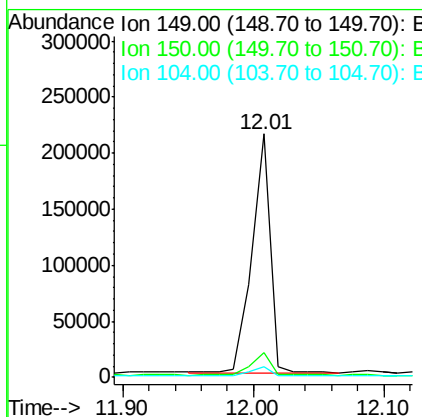
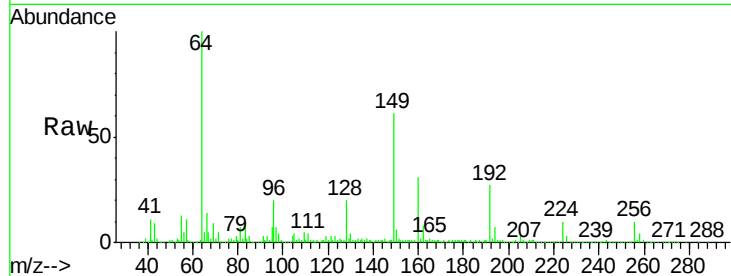
#73
Di-n-butylphthalate
Concen: 8.70 ng
RT: 12.01 min Scan# 868
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampled :
B2-11

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	10.1	8.1	12.1
104	4.4	4.6	7.0

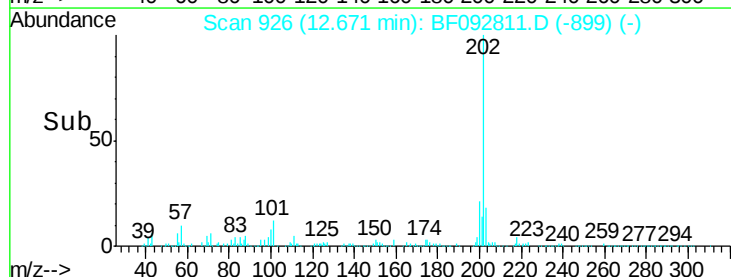
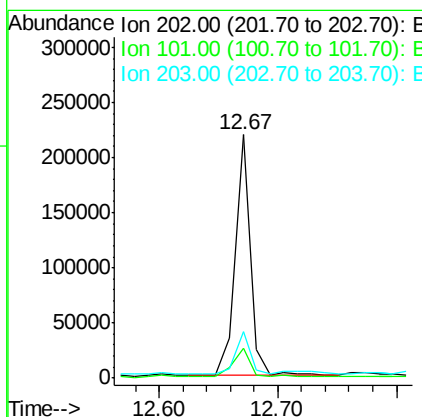
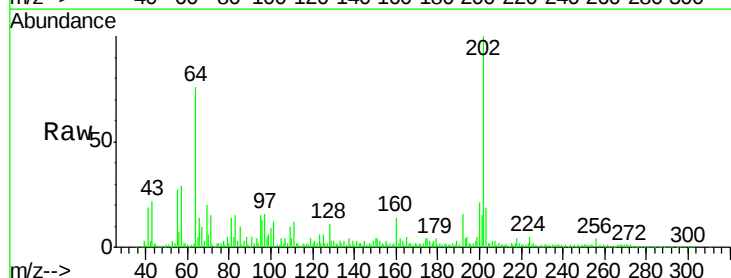
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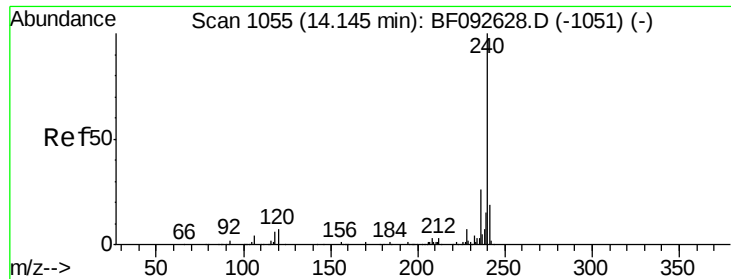
mohammad
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#74
Fluoranthene
Concen: 8.22 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	34.6
203	18.8	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Instrument :

BNA_F

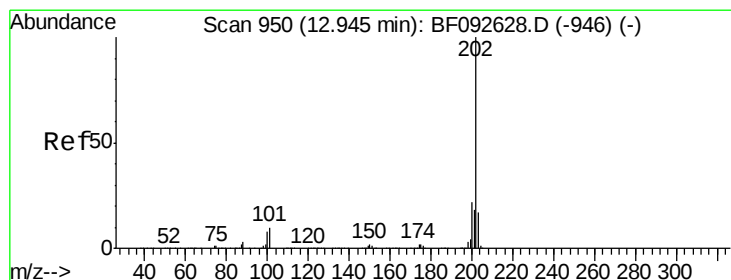
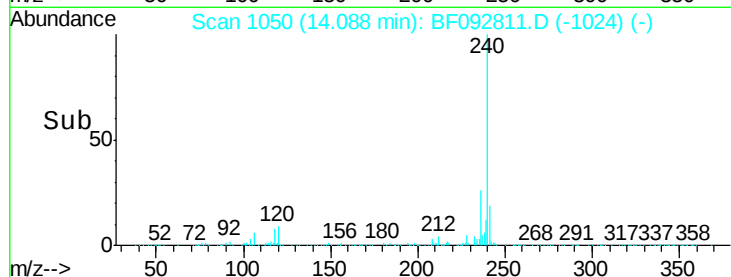
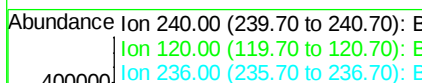
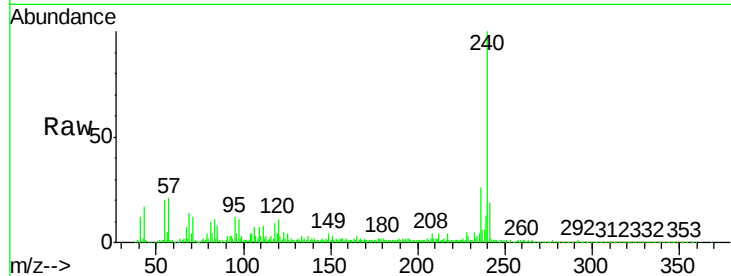
ClientSampleId :

B2-11

Tot Ion:	240	Resp:	324573
Ion Ratio	Lower	Upper	
240	100		
120	10.8	12.9	19.3#
236	26.0	20.9	31.3

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#77

Pyrene

Concen: 7.16 ng

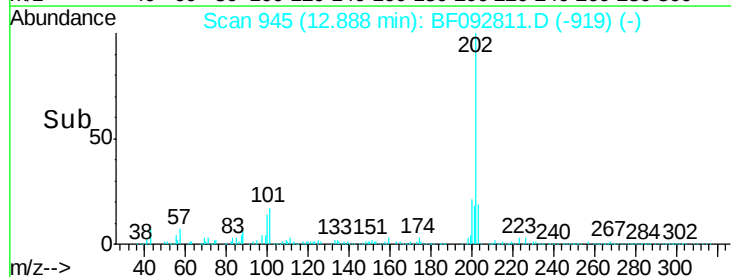
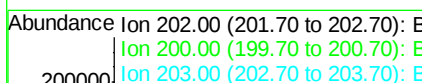
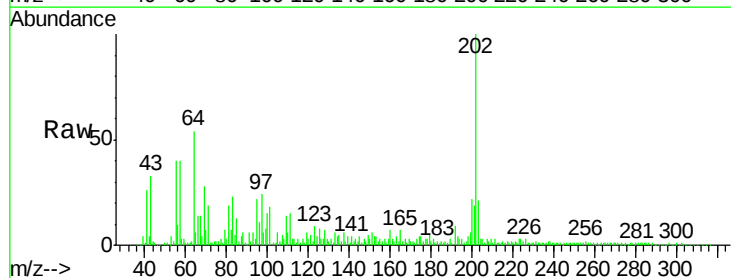
RT: 12.89 min Scan# 945

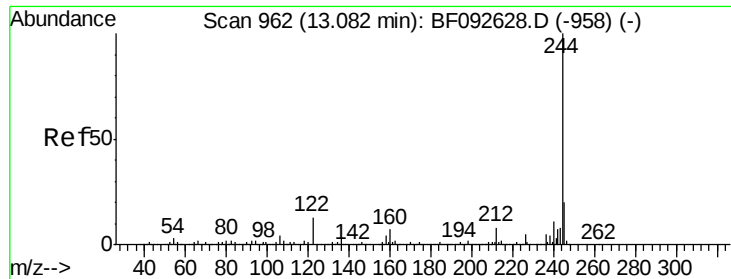
Delta R.T. -0.00 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Tgt Ion:	202	Resp:	173958
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	20.8	14.7	22.1





#78

Terphenyl-d14

Concen: 57.33 ng

RT: 13.04 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Instrument :

BNA_F

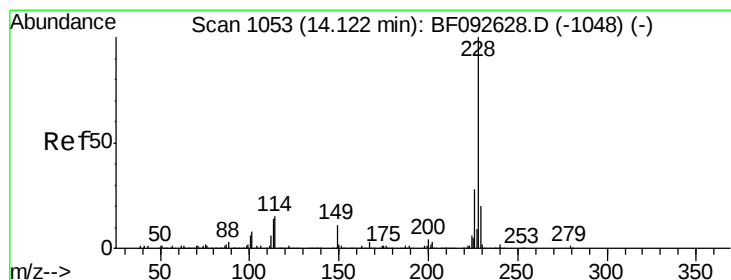
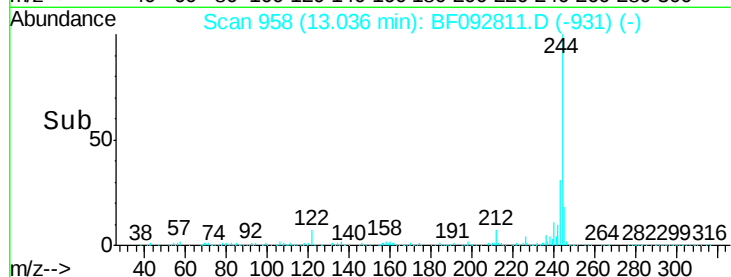
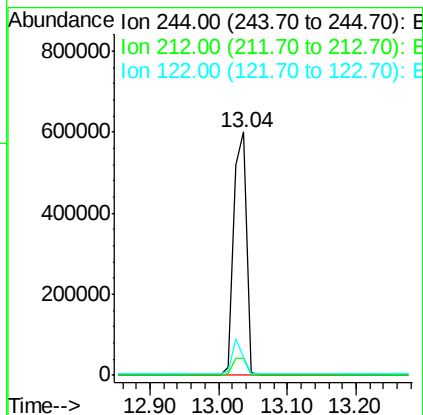
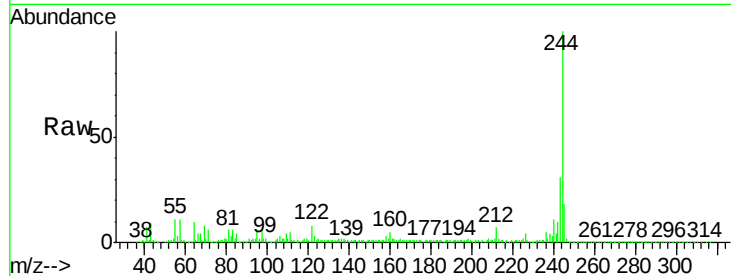
ClientSampleId :

B2-11

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	7.6	11.4	17.2#

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#80

Benzo(a)anthracene

Concen: 4.69 ng

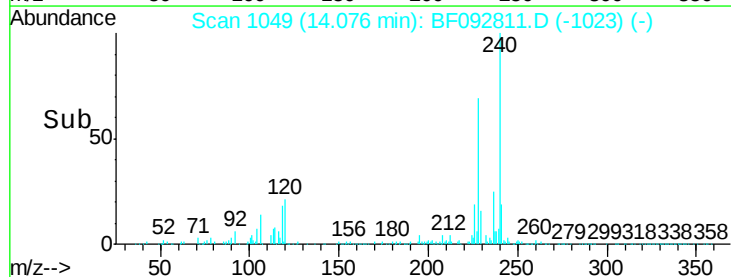
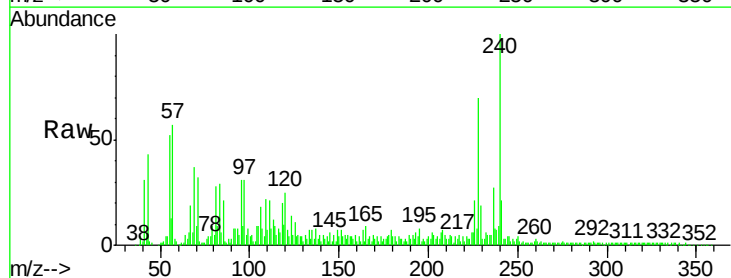
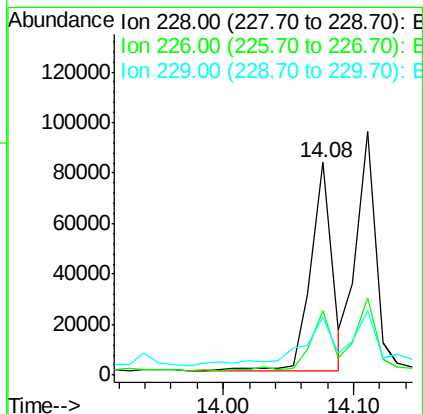
RT: 14.08 min Scan# 1049

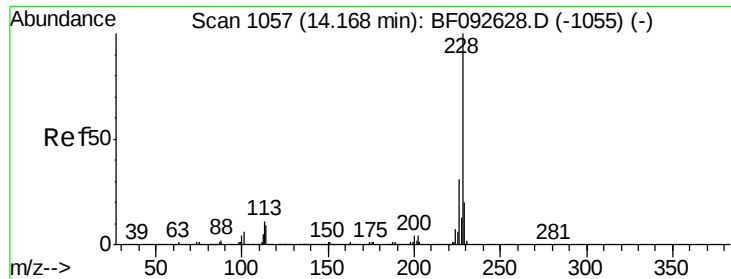
Delta R.T. -0.00 min

Lab File: BF092811.D

Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.4	33.6
229	27.1	16.2	24.4#





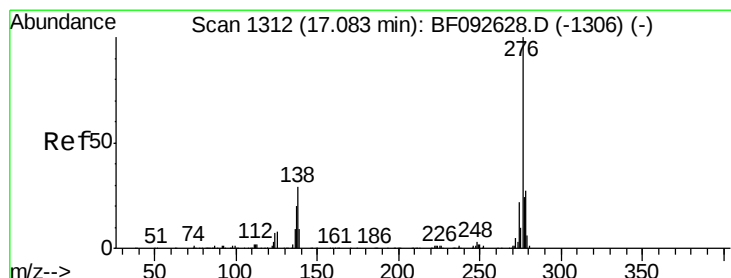
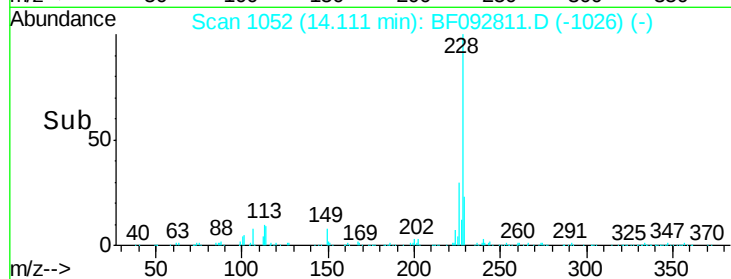
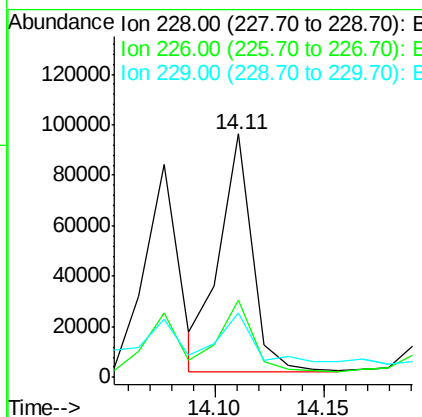
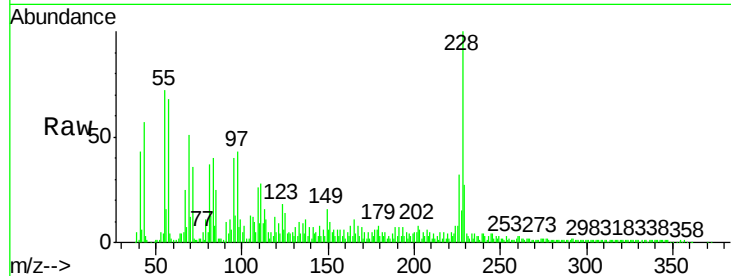
#82
Chrysene
Concen: 5.27 ng
RT: 14.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampleId :
B2-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	26.6	16.2	24.2

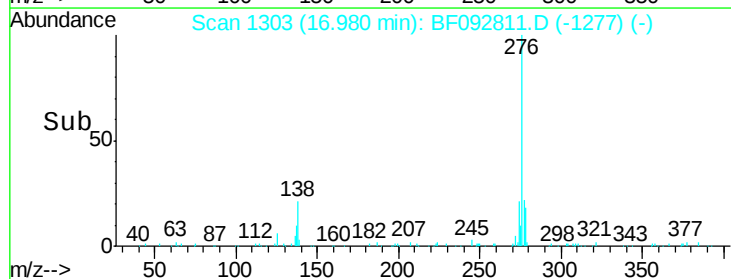
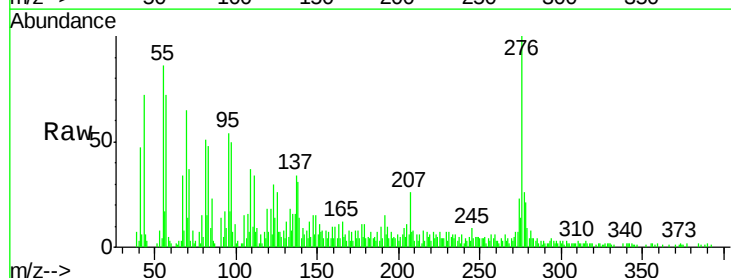
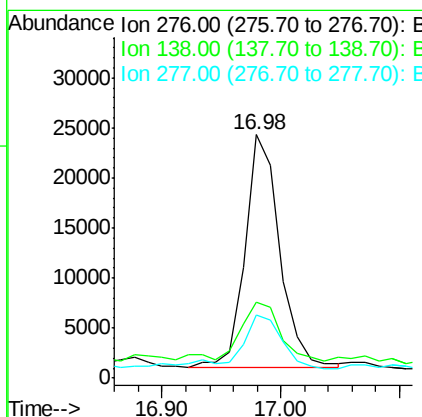
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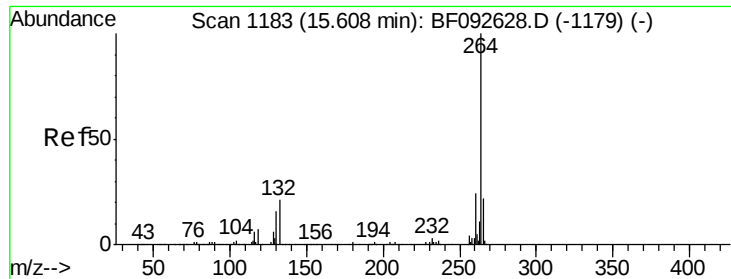
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.26 ng
RT: 16.98 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	21.8	32.6
277	30.4	20.2	30.4





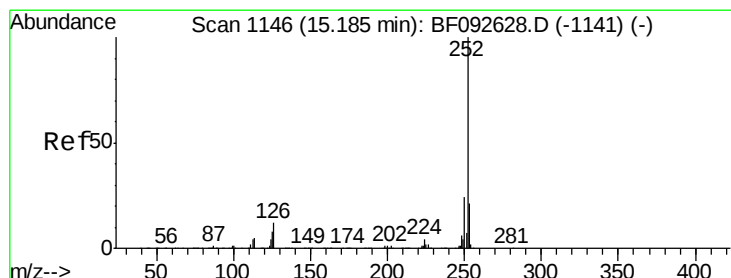
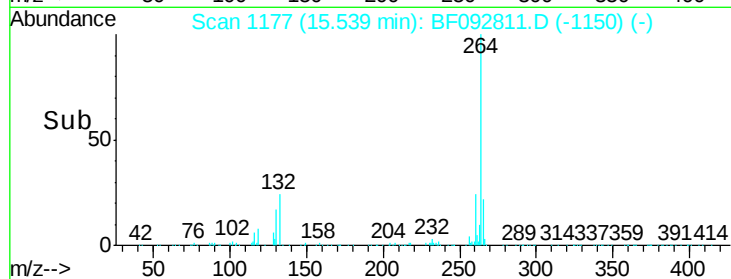
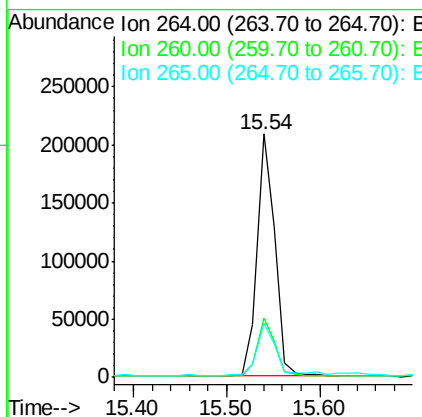
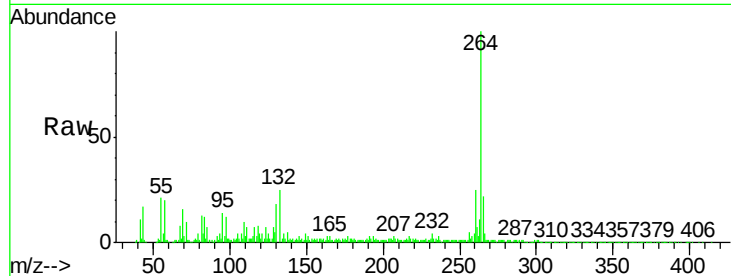
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampled :
B2-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.6	19.2	28.8		
265	22.4	17.4	26.0		

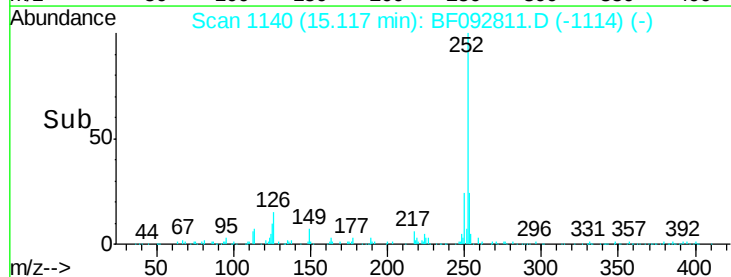
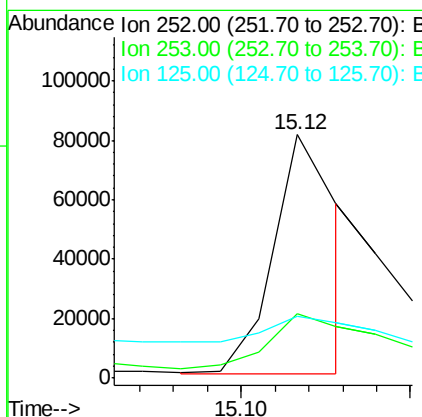
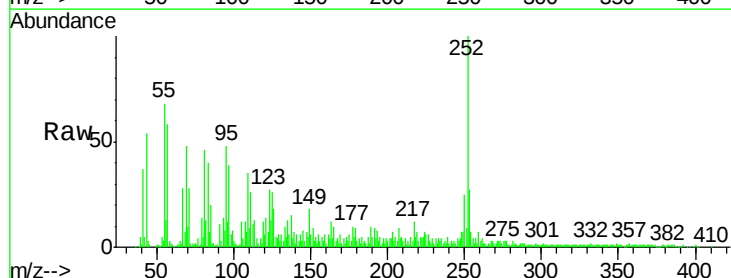
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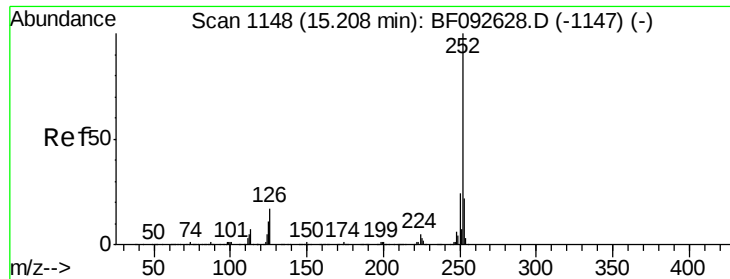
mohammad
2/7/2017 3:14:32 PM



#87
Benzo(b)fluoranthene
Concen: 5.94 ng m
RT: 15.12 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	26.5	18.2	27.4		
125	25.6	9.8	14.6		





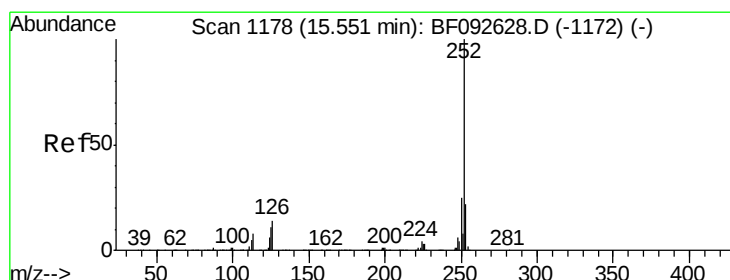
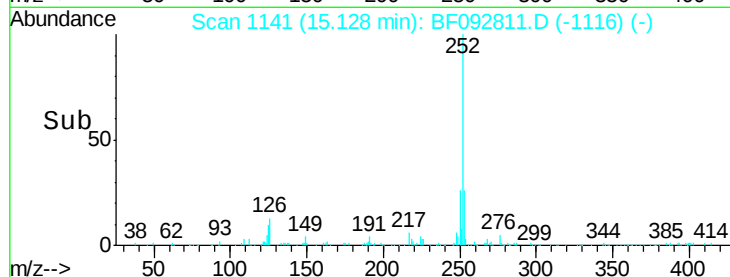
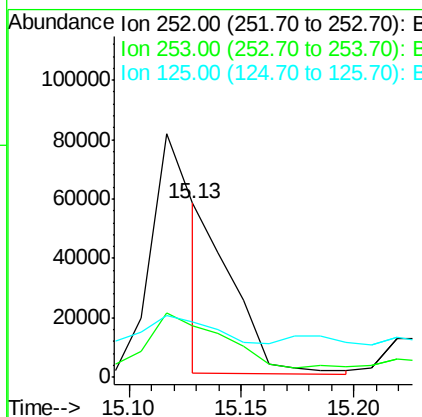
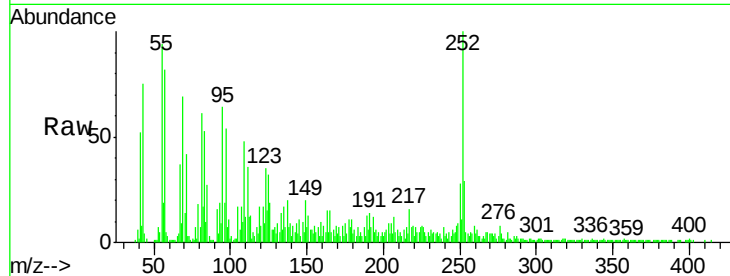
#88
Benzo(k)fluoranthene
Concen: 3.22 ng m
RT: 15.13 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Instrument :
BNA_F
ClientSampled :
B2-11

Tot Ion	Ratio	Resp	Lower	Upper
252	100	50596		
253	29.3	18.5	27.7#	
125	32.1	8.9	13.3#	

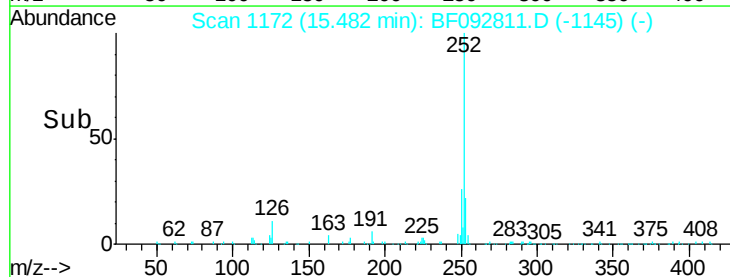
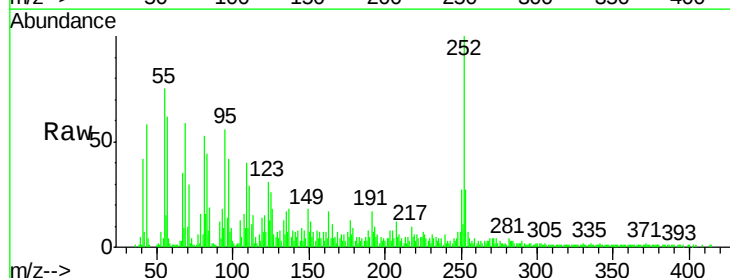
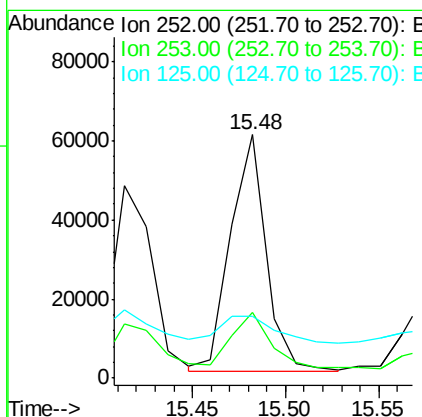
Manual Integrations
APPROVED

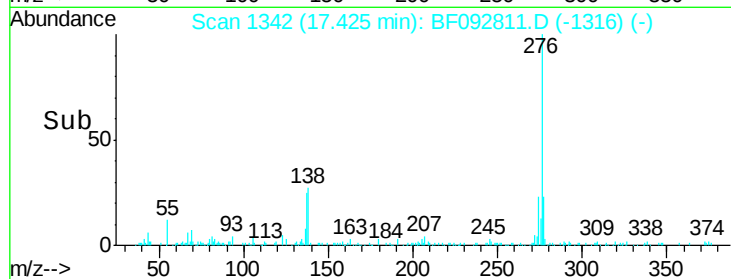
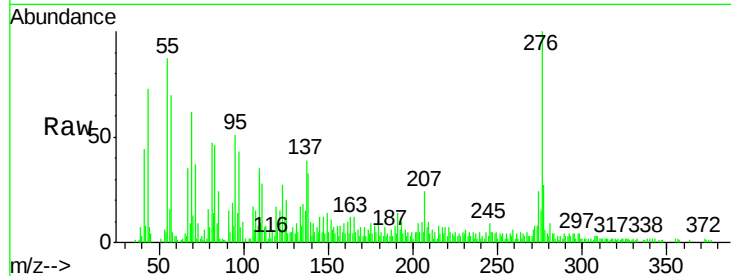
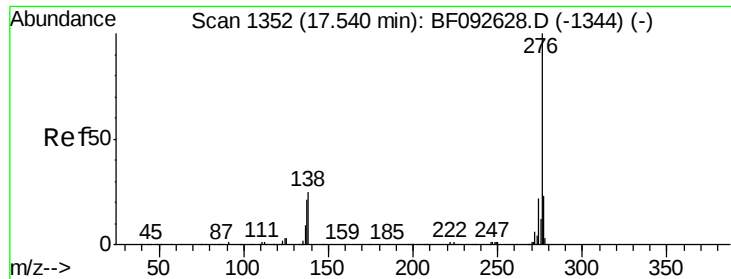
mohammad
2/7/2017 3:14:32 PM



#89
Benzo(a)pyrene
Concen: 5.01 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092811.D
Acq: 6 Feb 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	78988		
253	26.8	18.2	27.2	
125	25.5	10.0	15.0#	





#91
 Benzo(a,h,i)perylene
 Concen: 4.43 ng
 RT: 17.43 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: BF092811.D
 Acq: 6 Feb 2017 22:21

Instrument :
 BNA_F
 ClientSampleId :
 B2-11

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.2	28.8
138	32.7	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:14:32 PM

