

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
 Data File : BF092378.D
 Acq On : 20 Jan 2017 17:47
 Operator : UM/SJ
 Sample : I1265-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2

Manual Integrations
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mohammad
 1/23/2017 2:44:58 PM

Quant Time: Jan 20 23:23:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 22:22:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	133945	20.00	ng	0.00
21) Naphthalene-d8	7.81	136	534038	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	379476	20.00	ng	0.00
63) Phenanthrene-d10	11.03	188	494715	20.00	ng	0.00
75) Chrysene-d12	13.66	240	352096	20.00	ng	0.00
86) Perylene-d12	15.02	264	277645	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	1034165	128.92	ng	0.01
7) Phenol-d6	6.19	99	1440592	147.09	ng	0.00
23) Nitrobenzene-d5	7.10	82	907989	94.54	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	322346	102.64	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	1750590	96.22	ng	0.00
78) Terphenyl-d14	12.62	244	1145415	78.90	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.20	94	60466	5.42	ng	# 58
48) Acenaphthylene	9.42	152	158381	5.00	ng	96
49) Dimethylphthalate	9.30	163	262597	10.82	ng	99
70) Phenanthrene	11.06	178	333745	12.44	ng	96
71) Anthracene	11.11	178	162854	4.80	ng	96
73) Di-n-butylphthalate	11.62	149	351892	10.72	ng	# 96
74) Fluoranthene	12.23	202	718163	29.17	ng	99
77) Pyrene	12.46	202	706442	27.35	ng	99
80) Benzo(a)anthracene	13.65	228	487993	24.55	ng	96
82) Chrysene	13.69	228	369031m	18.51	ng	
85) Indeno(1,2,3-cd)pyrene	16.25	276	208477	12.07	ng	# 93
87) Benzo(b)fluoranthene	14.67	252	569936m	32.97	ng	
88) Benzo(k)fluoranthene	14.68	252	124811m	8.47	ng	
89) Benzo(a)pyrene	14.97	252	338806	22.08	ng	# 94
90) Dibenzo(a,h)anthracene	16.25	278	47685	3.78	ng	# 79
91) Benzo(g,h,i)perylene	16.60	276	184057	14.04	ng	# 91

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

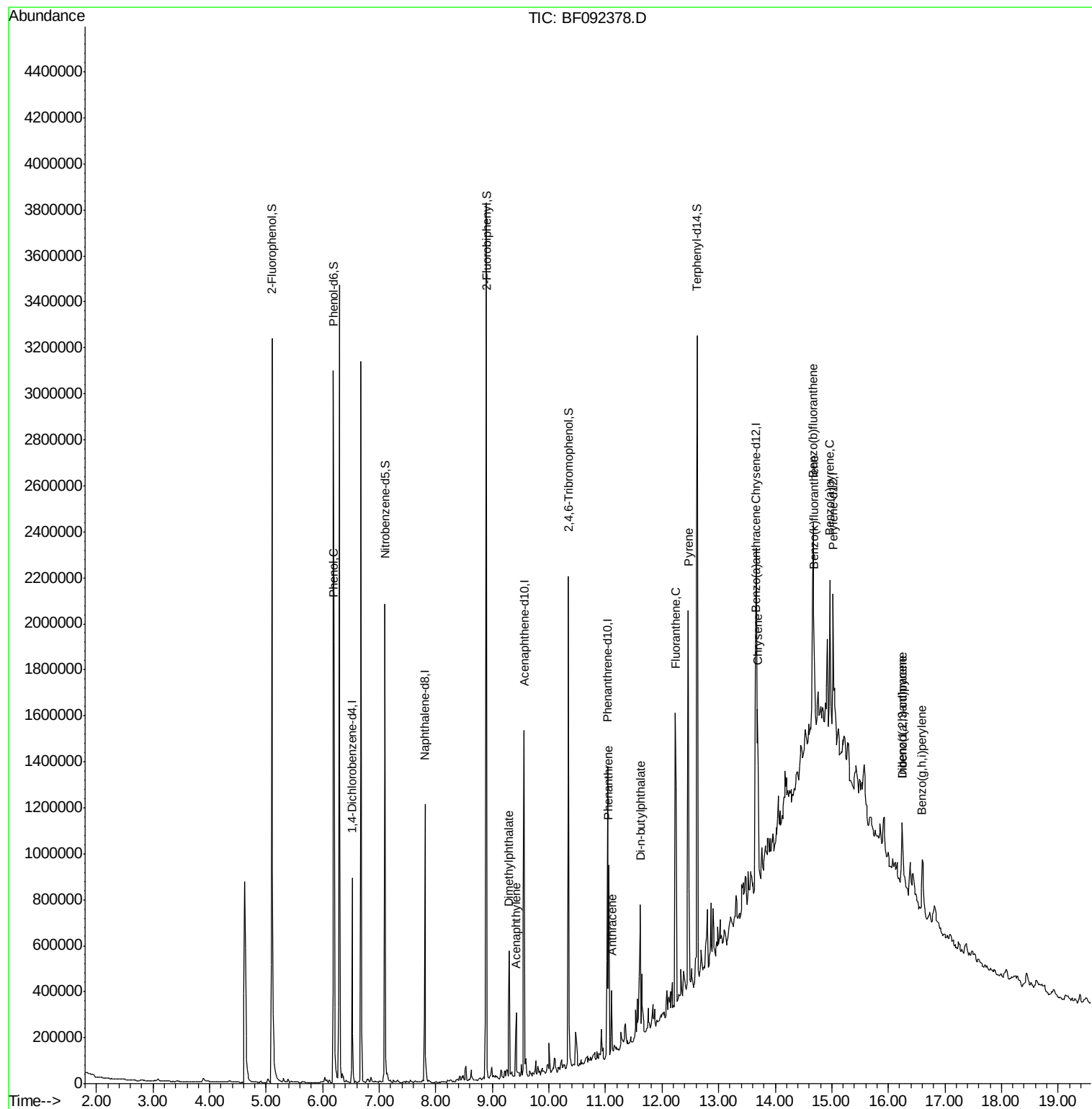
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012017\
Data File : BF092378.D
Acq On : 20 Jan 2017 17:47
Operator : UM/SJ
Sample : I1265-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

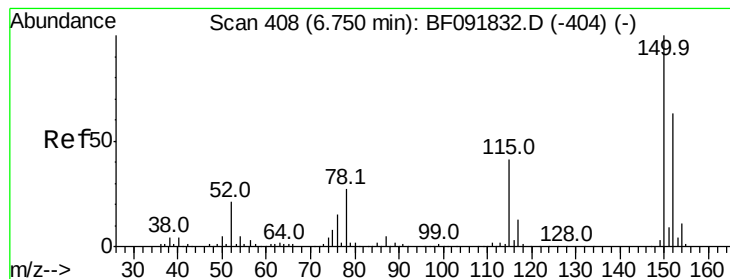
Instrument :
BNA_F
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B-2

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#1

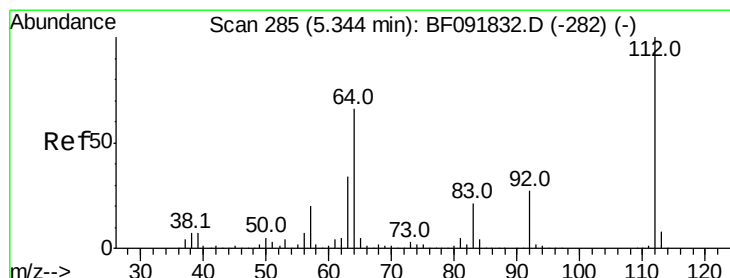
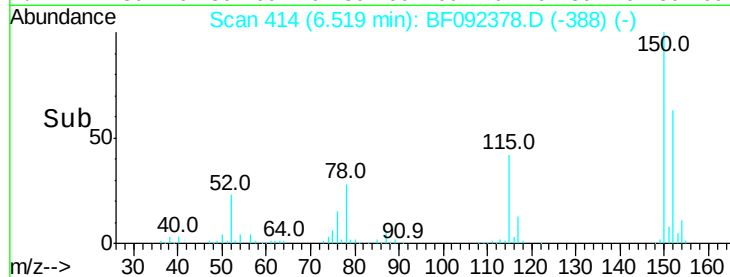
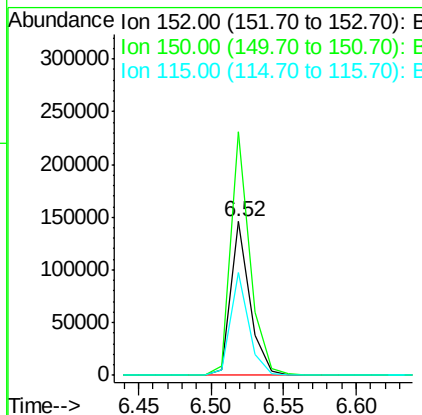
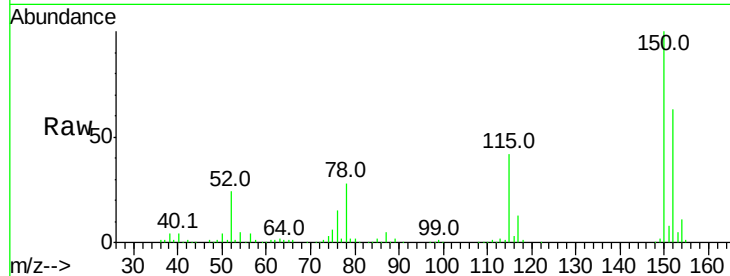
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampled :
B-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.9	187.3
115	66.6	46.0	69.0

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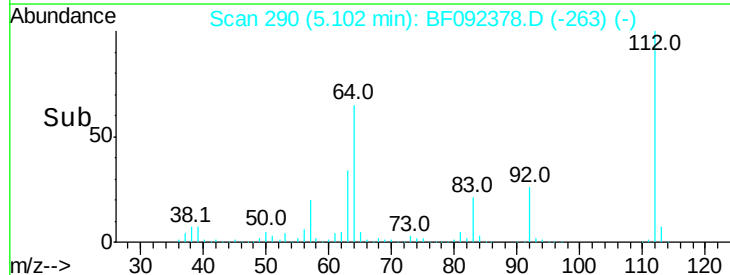
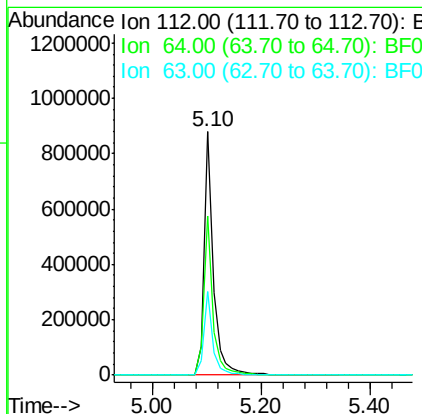
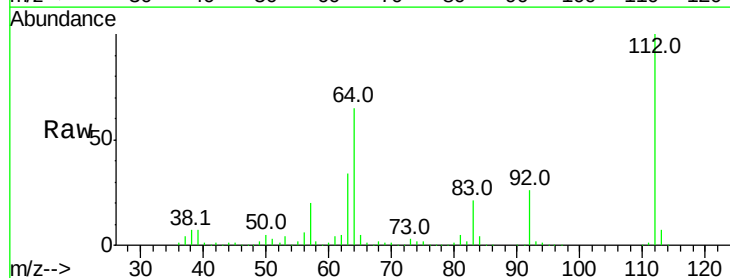
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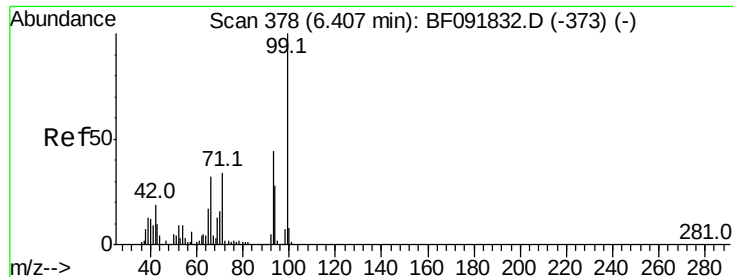


#5

2-Fluorophenol
Concen: 128.92 ng
RT: 5.10 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	46.1	69.1
63	34.3	23.8	35.6





#7

Phenol-d6

Concen: 147.09 ng

RT: 6.19 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampled :

B-2

Tot Ion: 99 Resp: 1440592

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

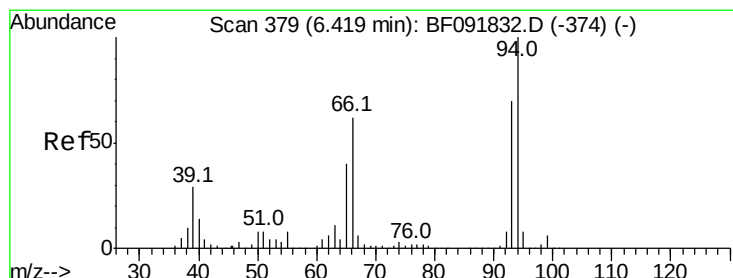
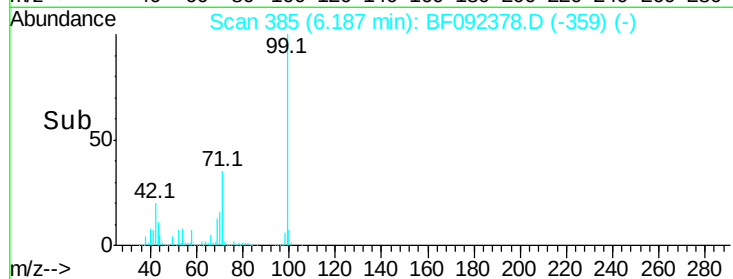
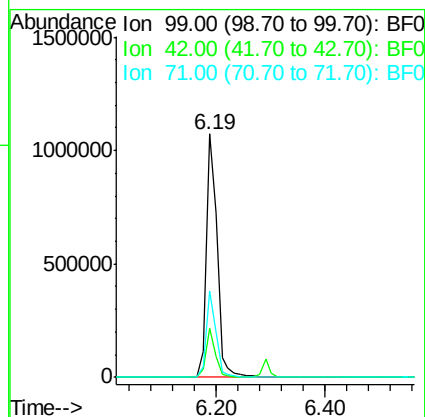
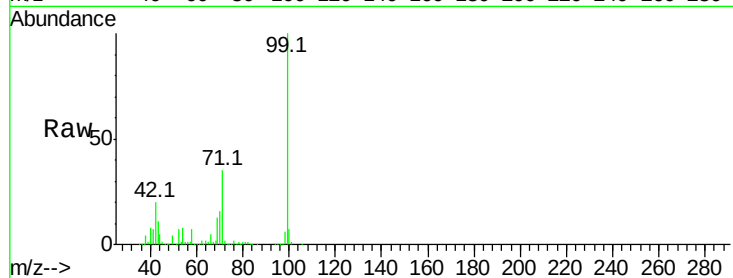
71 35.4 27.5 41.3

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#10

Phenol

Concen: 5.42 ng

RT: 6.20 min Scan# 386

Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

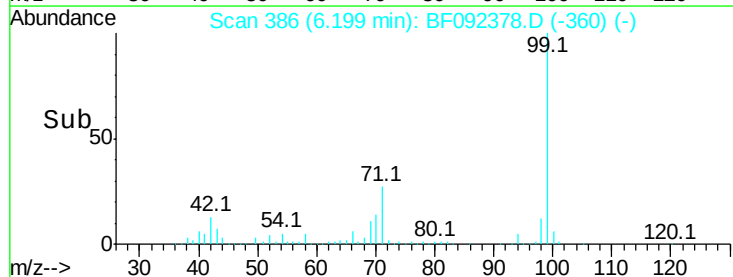
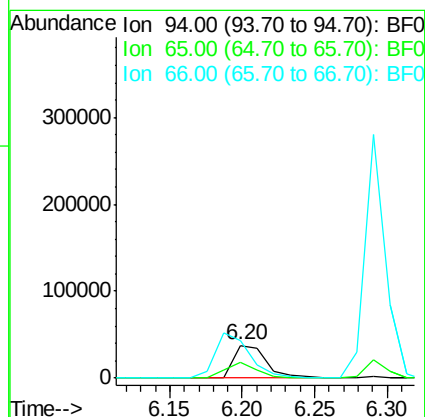
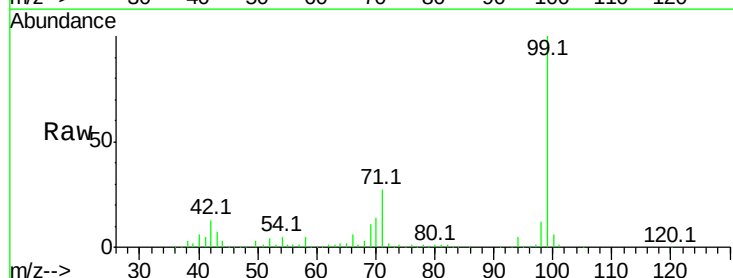
Tgt Ion: 94 Resp: 60466

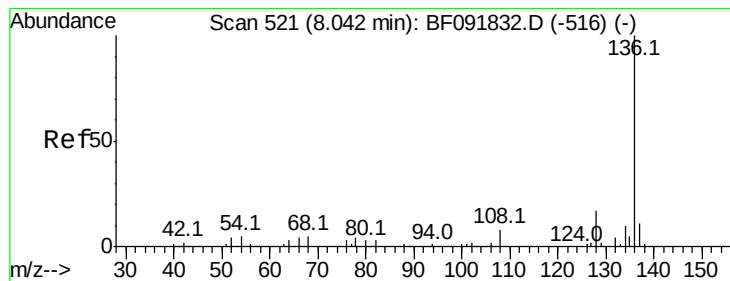
Ion Ratio Lower Upper

94 100

65 47.7 21.4 61.4

66 113.0 44.0 84.0#





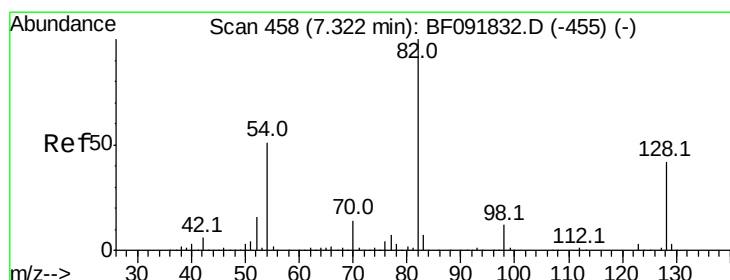
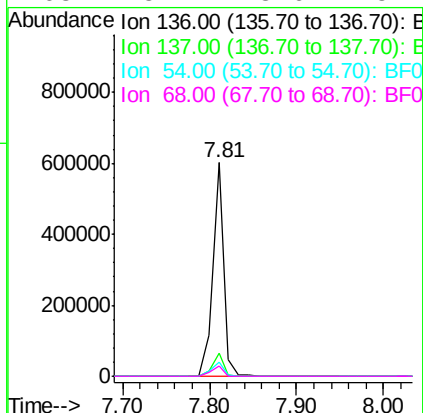
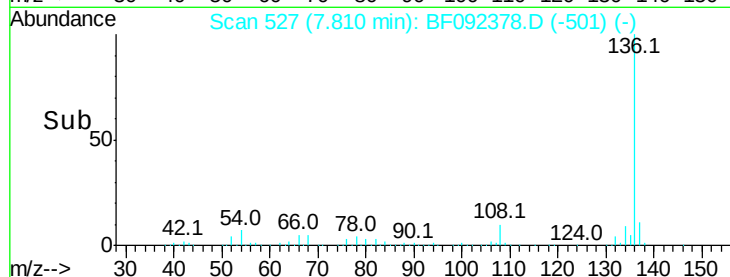
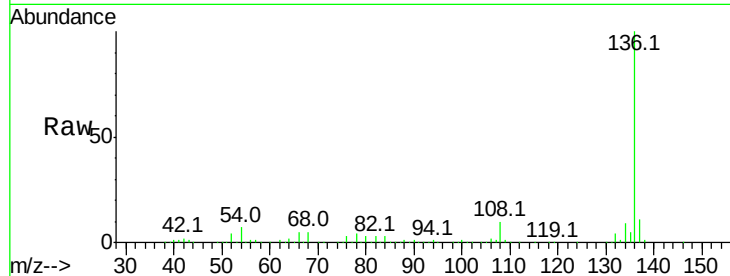
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampled :
B-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	6.9	4.5	6.7#	
68	5.1	3.6	5.4	

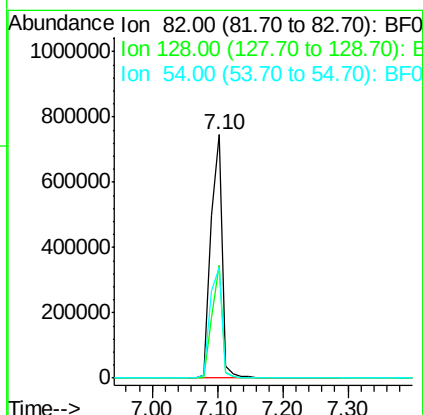
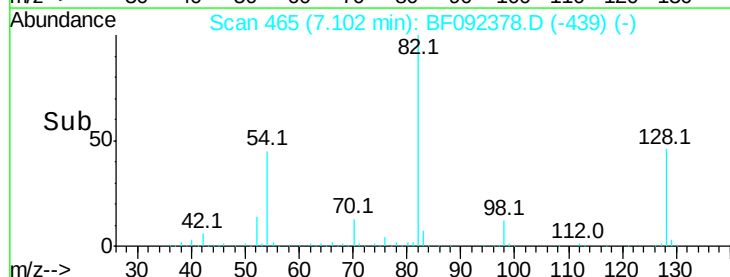
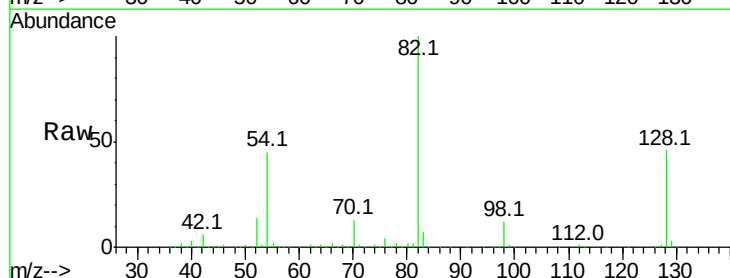
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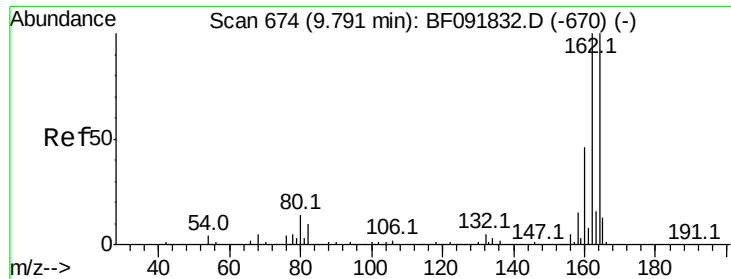
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#23
Nitrobenzene-d5
Concen: 94.54 ng
RT: 7.10 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.4	34.6	52.0	
54	45.3	39.5	59.3	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

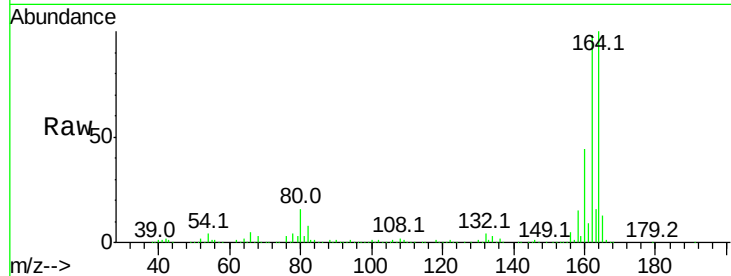
ClientSampled :

B-2

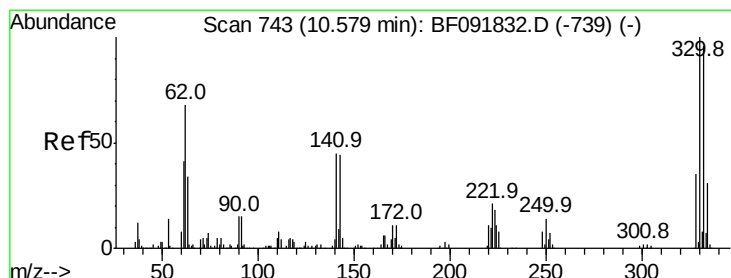
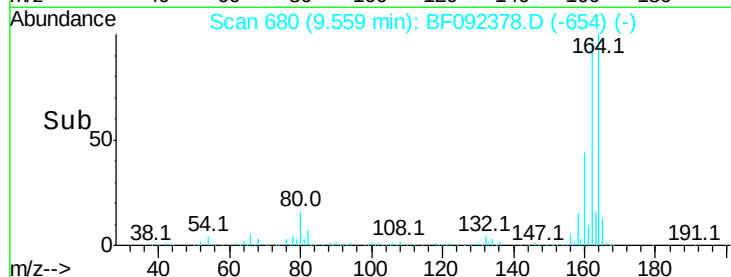
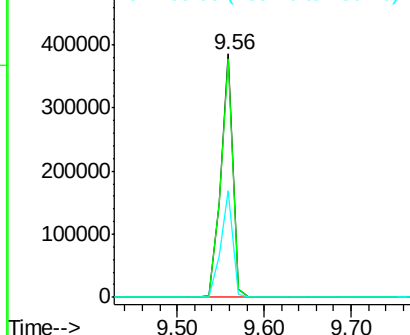
Tot Ion:	164	Resp:	379476
Ion Ratio	Lower	Upper	
164	100		
162	97.9	80.2	120.2
160	43.6	36.9	55.3

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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: 102.64 ng

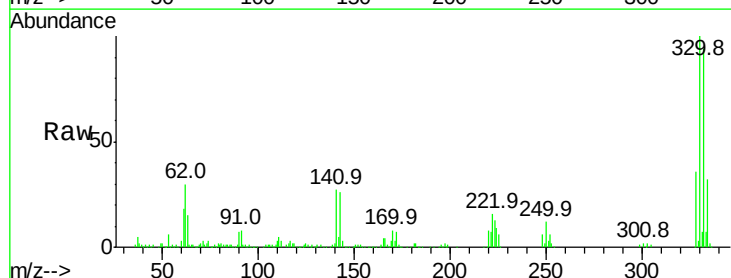
RT: 10.35 min Scan# 749

Delta R.T. 0.00 min

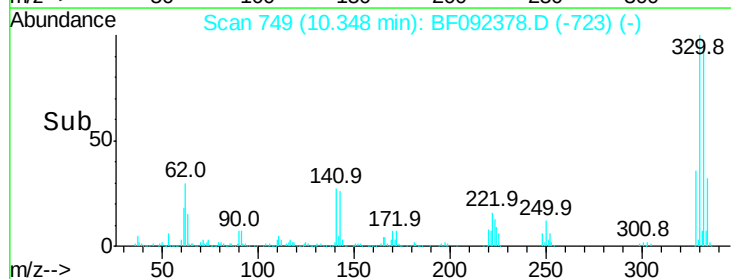
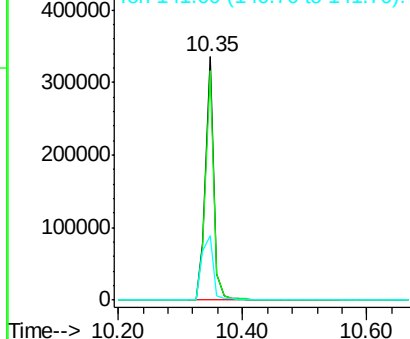
Lab File: BF092378.D

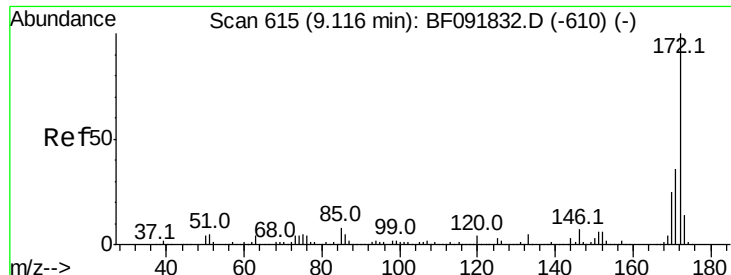
Acq: 20 Jan 2017 17:47

Tgt Ion:	330	Resp:	322346
Ion Ratio	Lower	Upper	
330	100		
332	94.7	77.4	116.2
141	37.1	34.1	51.1



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





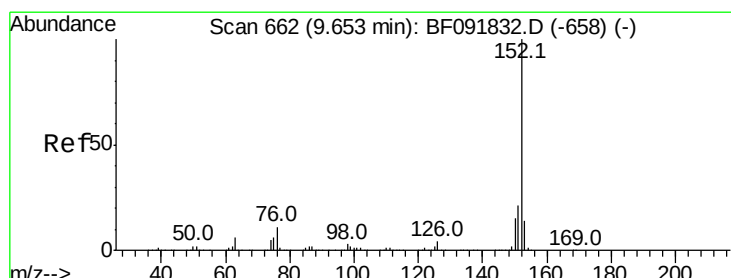
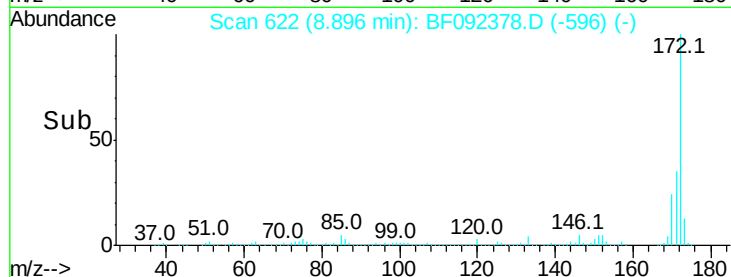
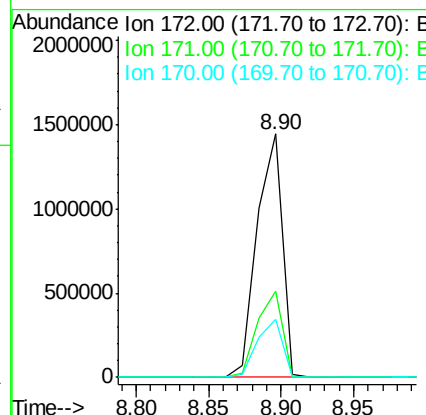
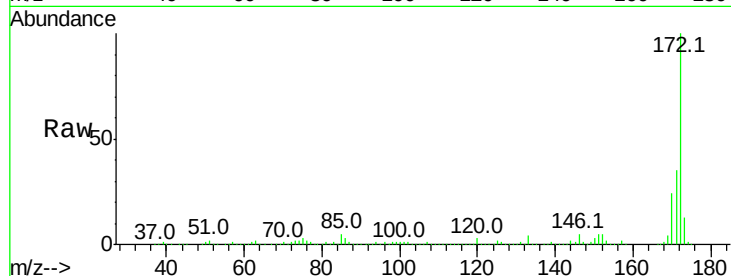
#44
2-Fluorobiphenyl
Concen: 96.22 ng
RT: 8.90 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.4	44.0
170	23.9	20.2	30.4

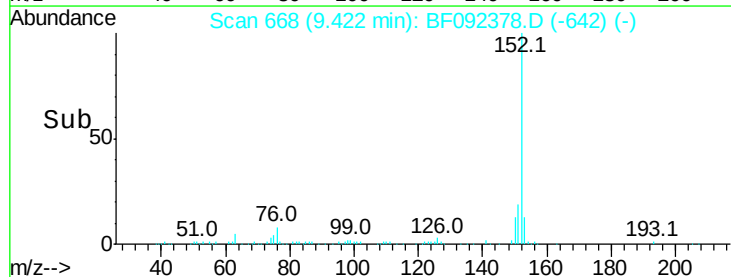
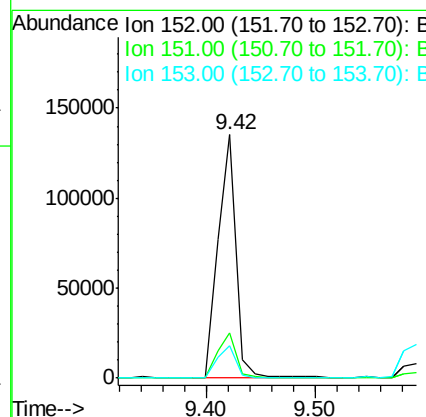
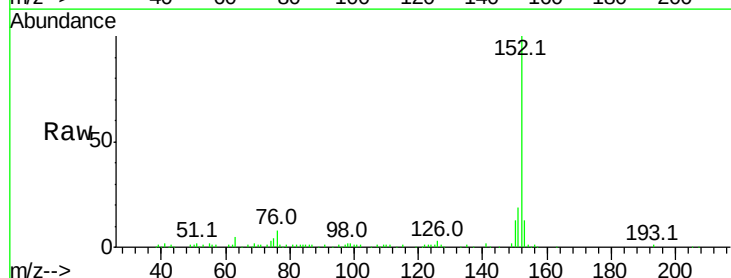
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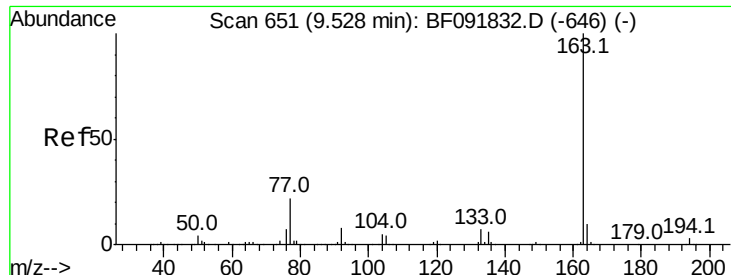
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#48
Acenaphthylene
Concen: 5.00 ng
RT: 9.42 min Scan# 668
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.9	25.3
153	13.2	11.4	17.2





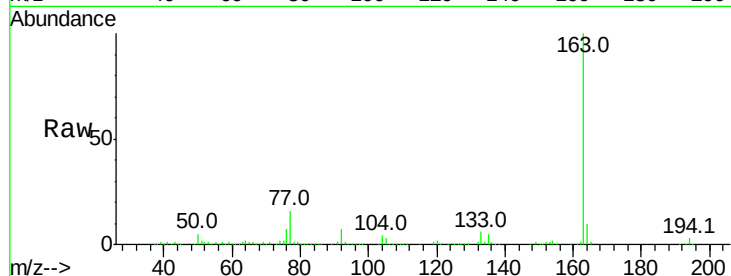
#49
Dimethylphthalate
Concen: 10.82 ng
RT: 9.30 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
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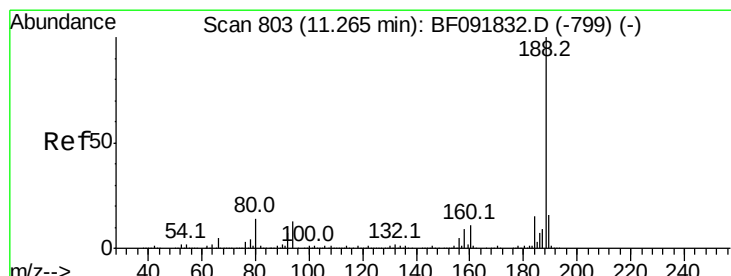
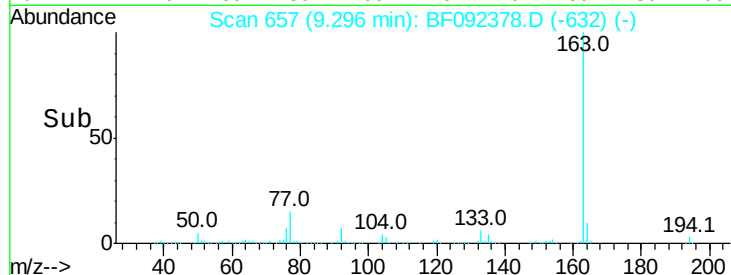
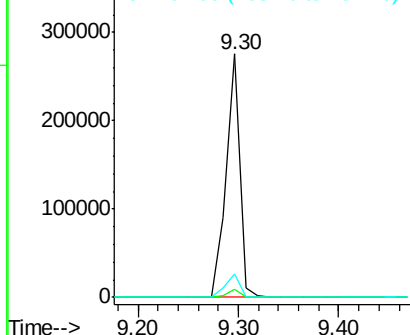
Tot Ion	Ratio	Resp	Lower	Upper
163	100	262597		
194	3.4		3.0	4.4
164	9.5		8.0	12.0

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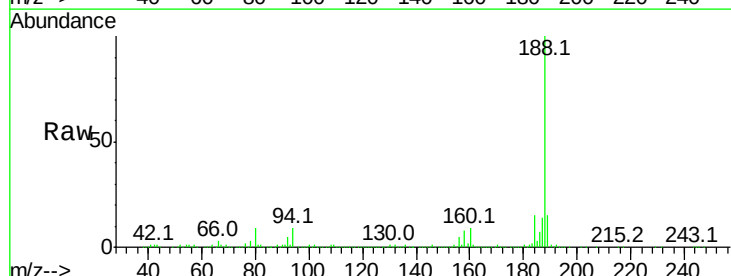


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

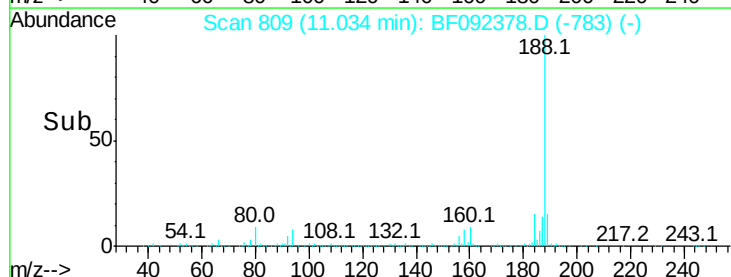
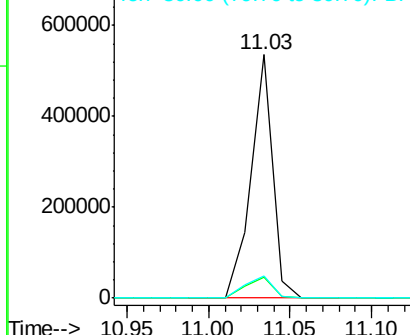


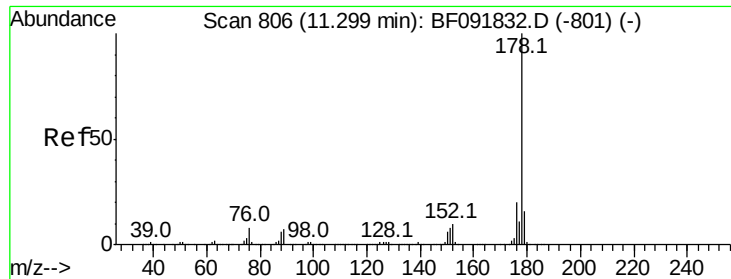
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	494715		
94	8.6		10.0	15.0#
80	9.1		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: 12.44 ng

RT: 11.06 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

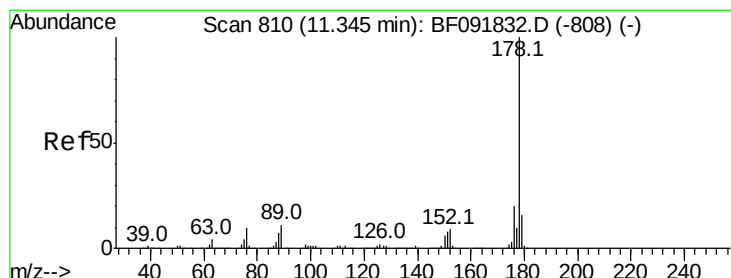
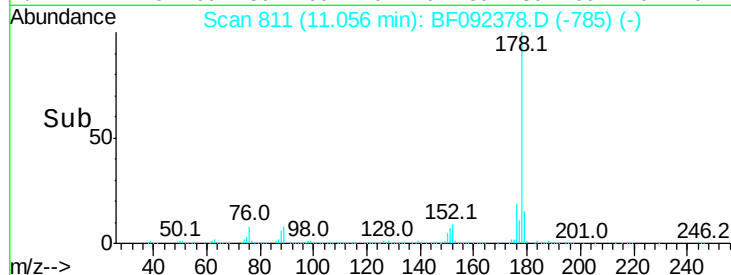
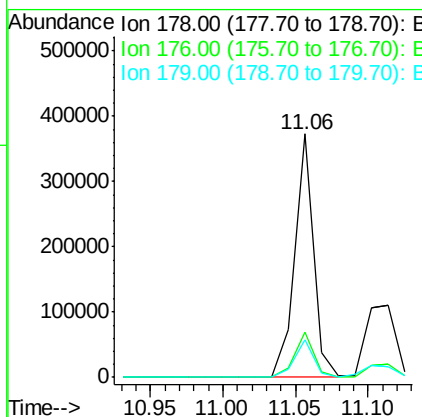
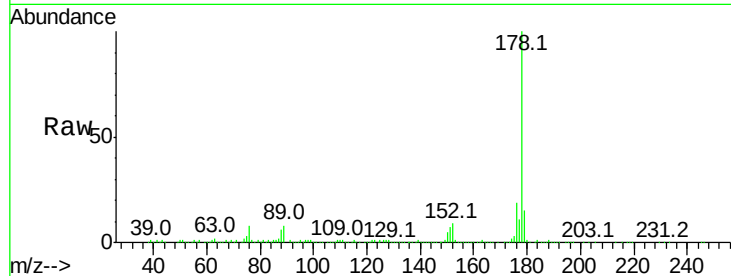
ClientSampled :

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Tot Ion:178	Resp:	333745
Ion Ratio	Lower	Upper
178	100	
176	18.6	16.6 25.0
179	15.2	12.8 19.2

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#71

Anthracene

Concen: 4.80 ng

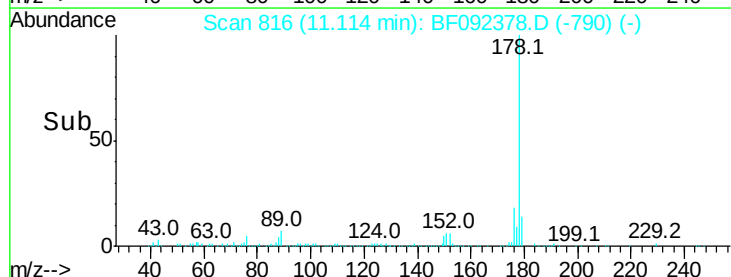
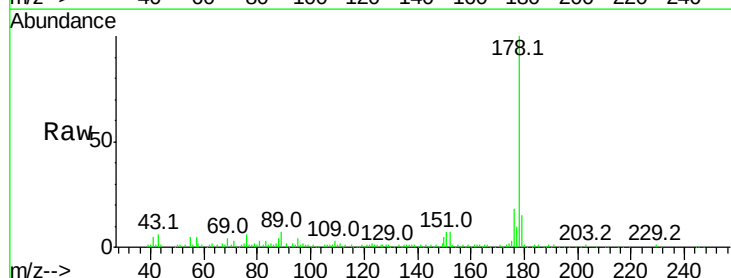
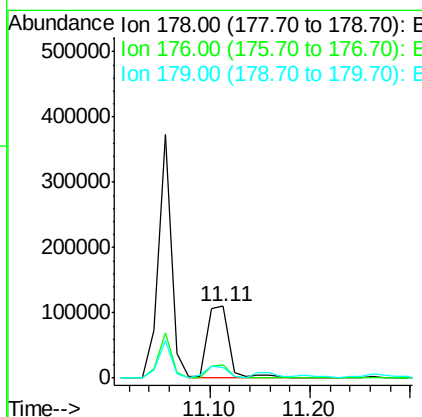
RT: 11.11 min Scan# 816

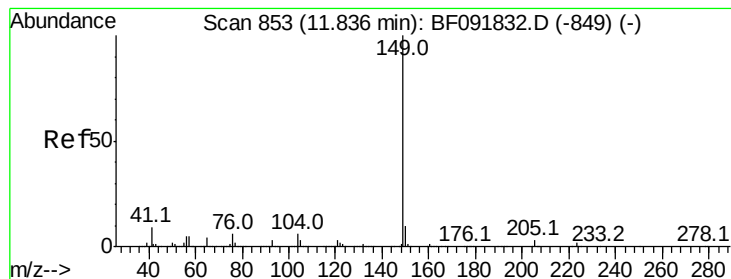
Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Tgt Ion:178	Resp:	162854
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.9 23.9
179	15.0	13.2 19.8





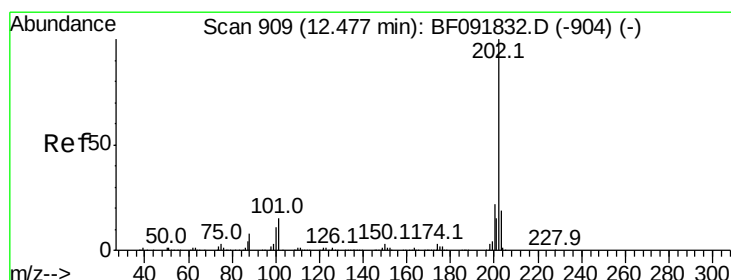
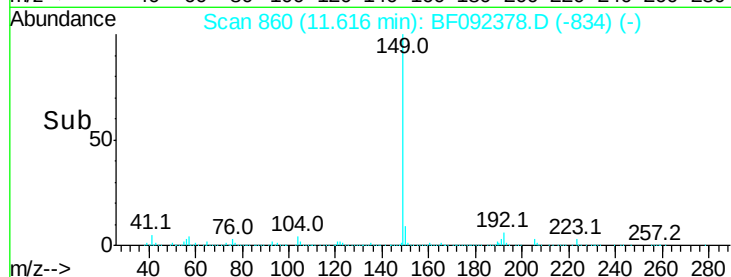
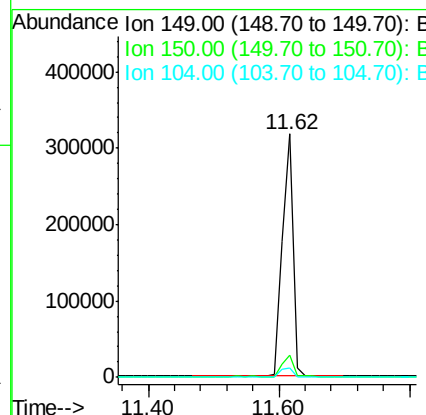
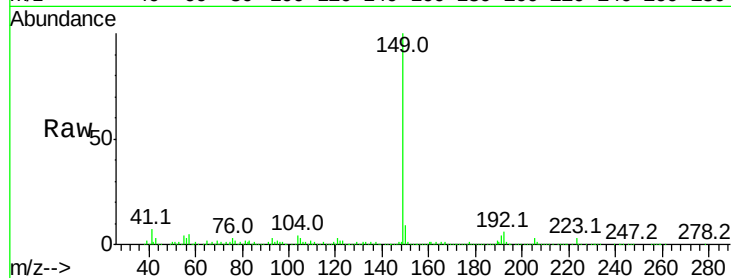
#73
Di-n-butylphthalate
Concen: 10.72 ng
RT: 11.62 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.3	8.1	12.1
104	3.8	4.6	7.0

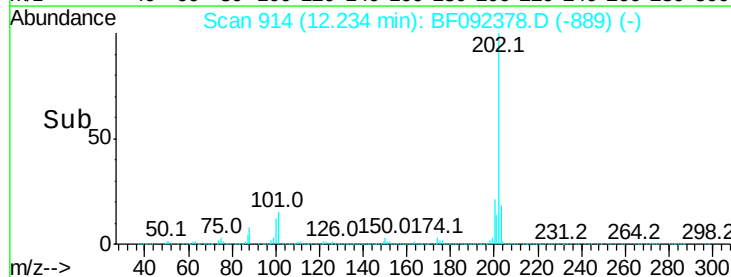
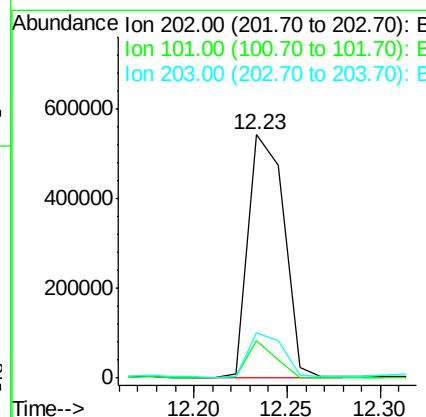
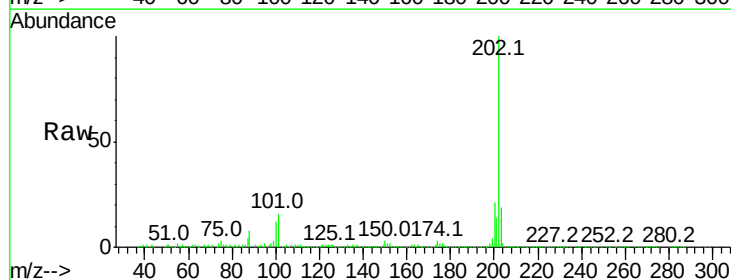
Manual Integrations
APPROVED

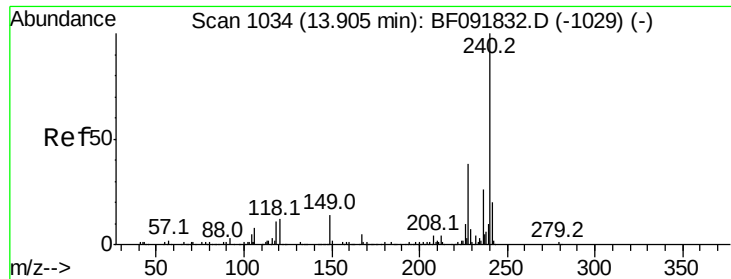
mohammad
1/23/2017 2:44:58 PM



#74
Fluoranthene
Concen: 29.17 ng
RT: 12.23 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.5	0.0	34.6
203	18.6	0.0	38.7





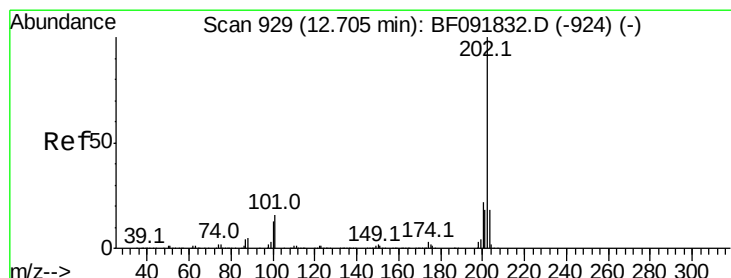
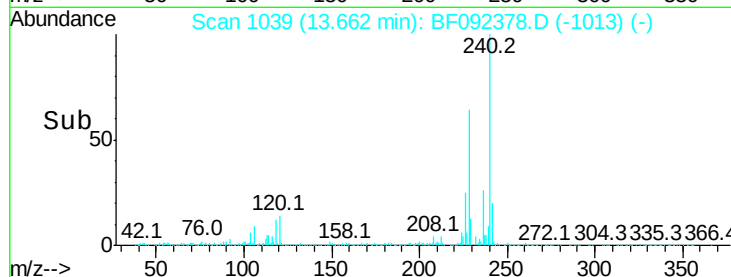
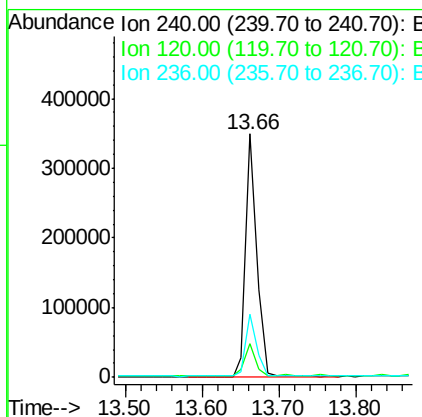
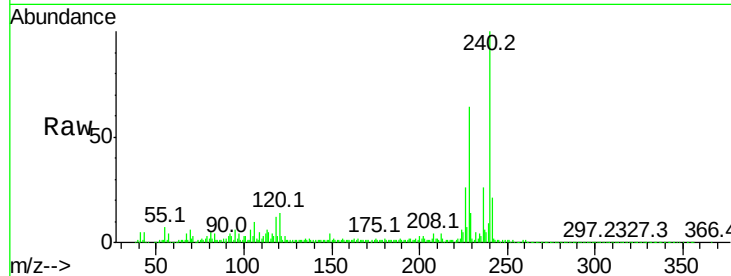
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.66 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.1	12.9	19.3	
236	26.1	20.9	31.3	

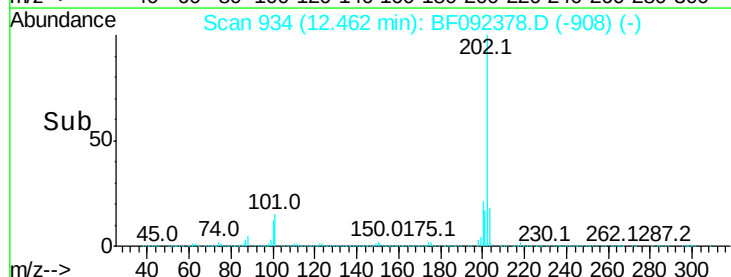
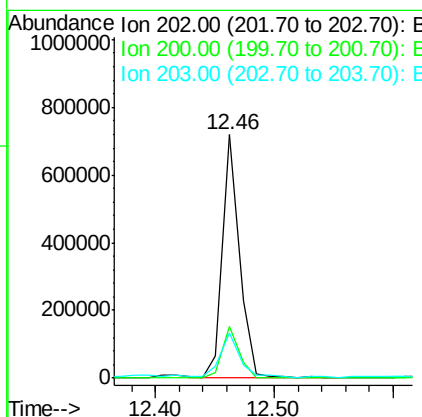
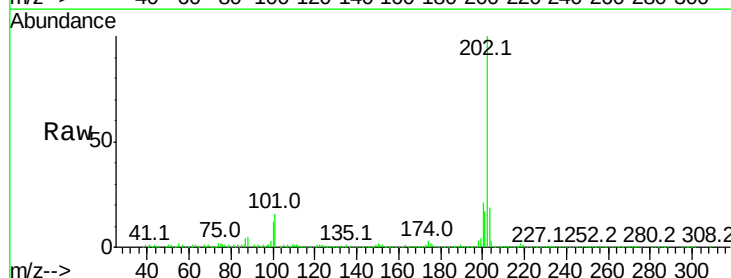
Manual Integrations
APPROVED

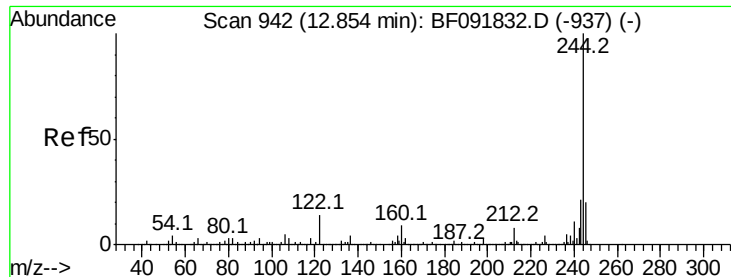
mohammad
1/23/2017 2:44:58 PM



#77
Pyrene
Concen: 27.35 ng
RT: 12.46 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.7	26.5	
203	18.6	14.7	22.1	





#78

Terphenyl-d14

Concen: 78.90 ng

RT: 12.62 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

Instrument :

BNA_F

ClientSampleId :

B-2

Tot Ion:244 Resp: 1145415

Ion Ratio Lower Upper

244 100

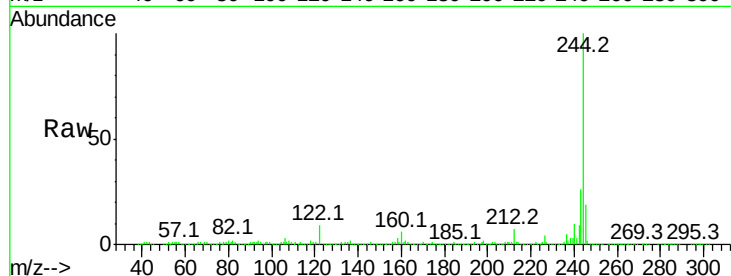
212 6.6 6.2 9.2

122 8.8 11.4 17.2#

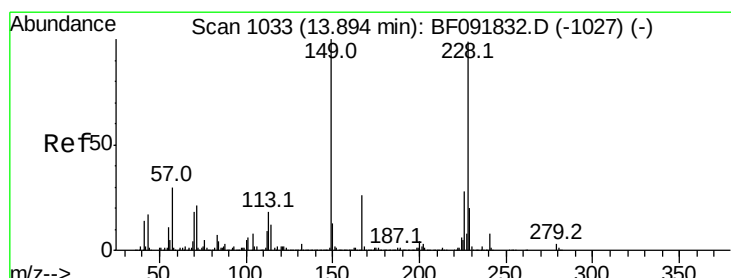
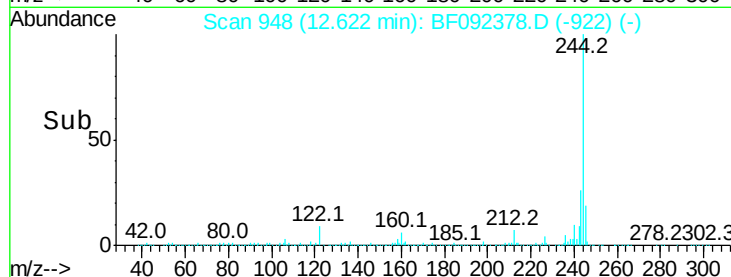
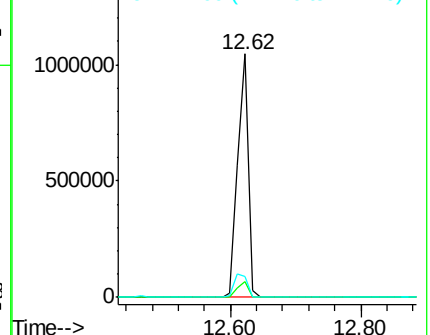
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 24.55 ng

RT: 13.65 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF092378.D

Acq: 20 Jan 2017 17:47

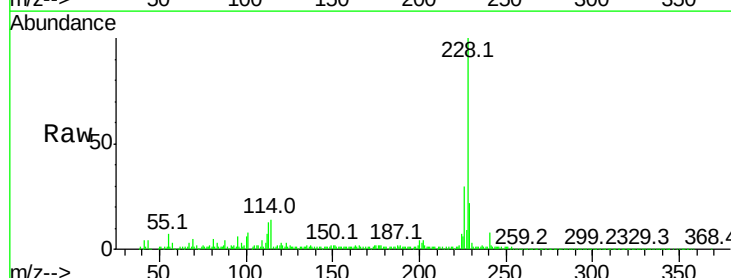
Tgt Ion:228 Resp: 487993

Ion Ratio Lower Upper

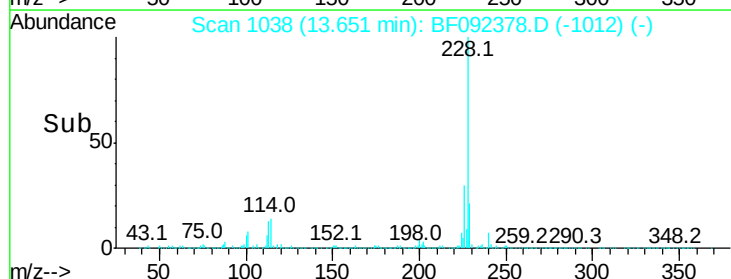
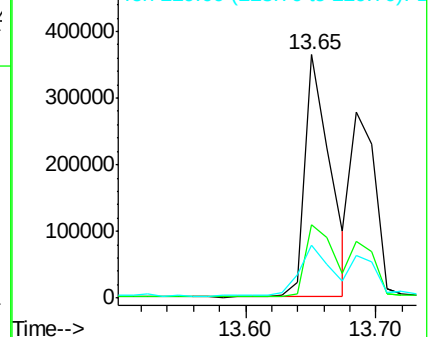
228 100

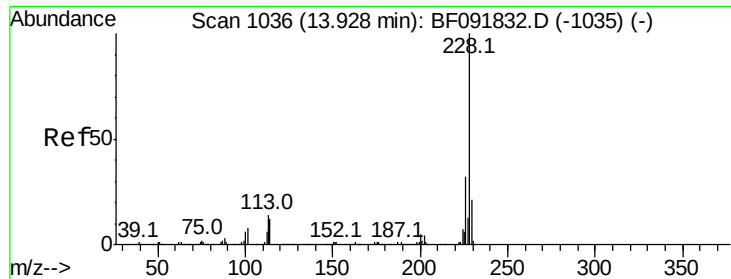
226 30.4 22.4 33.6

229 22.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





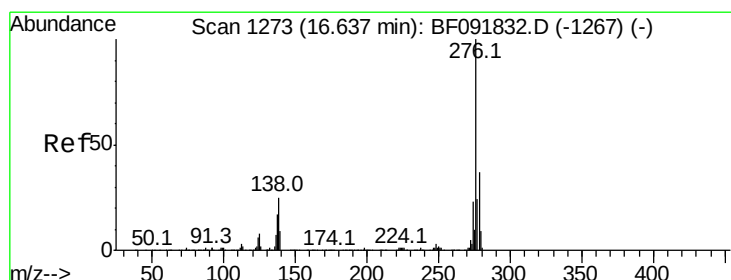
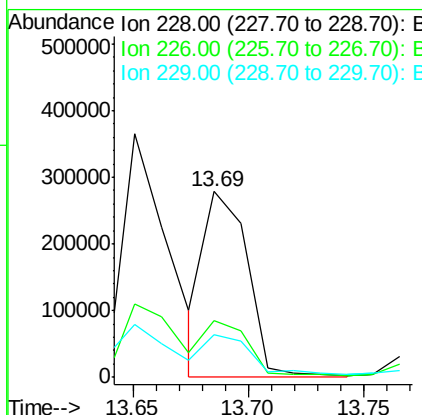
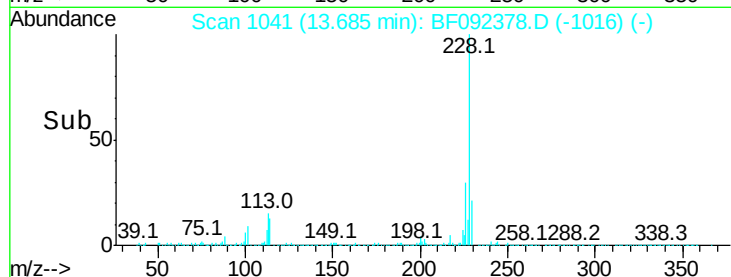
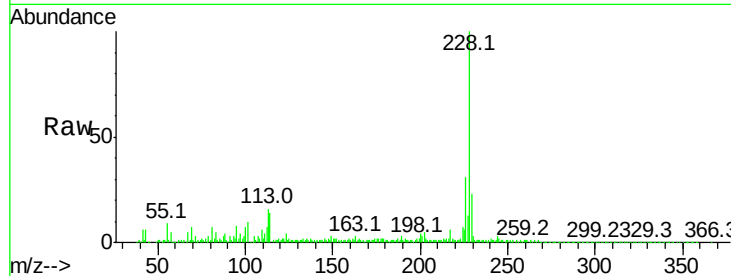
#82
Chrysene
Concen: 18.51 ng m
RT: 13.69 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampled :
B-2

Tot Ion:	228	Resp:	369031
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.4	38.0
229	22.8	16.2	24.2

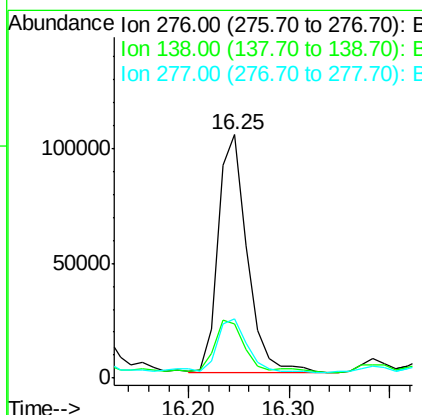
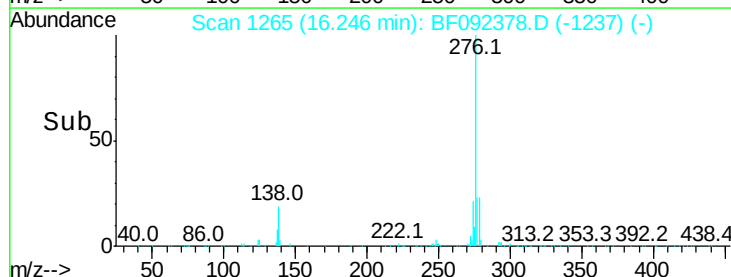
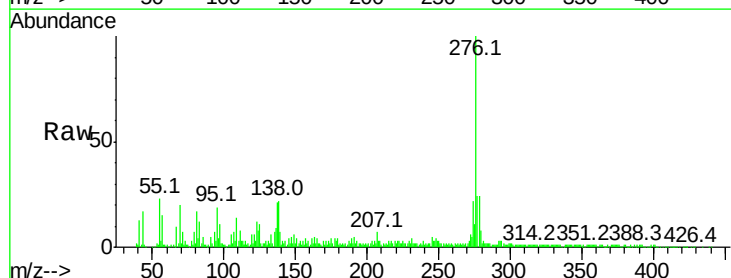
Manual Integrations
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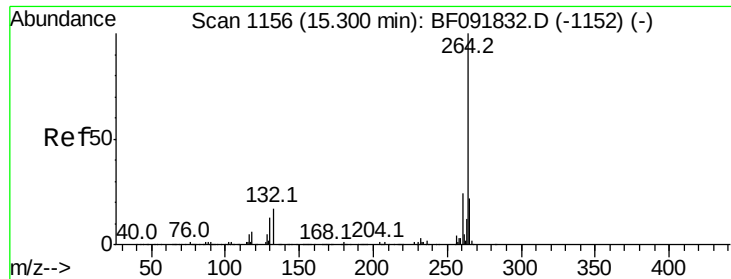
mohammad
1/23/2017 2:44:58 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.07 ng
RT: 16.25 min Scan# 1265
Delta R.T. 0.02 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion:	276	Resp:	208477
Ion Ratio	Lower	Upper	
276	100		
138	21.2	21.8	32.6#
277	24.1	20.2	30.4





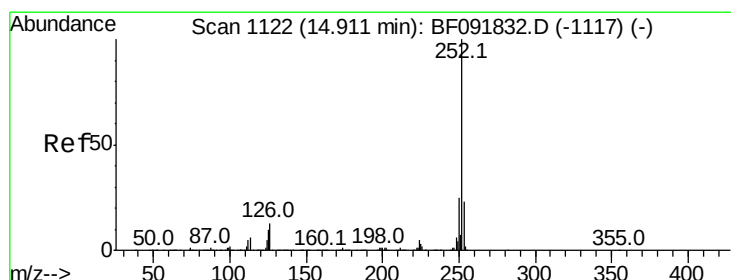
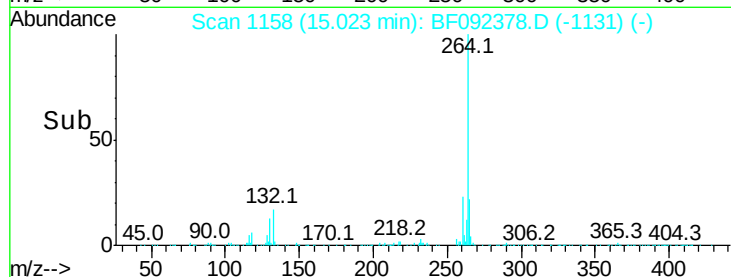
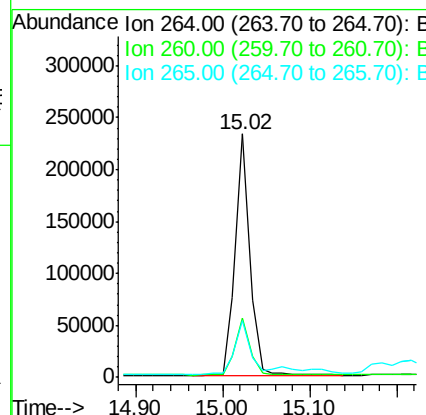
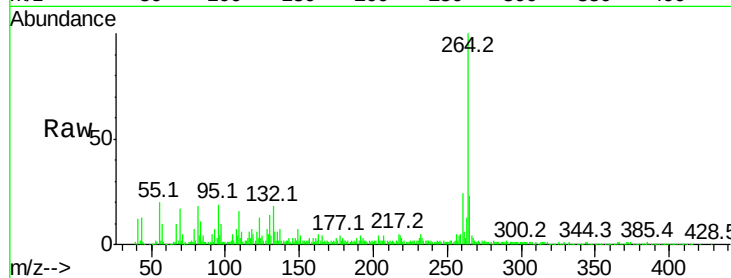
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.3	17.4	26.0

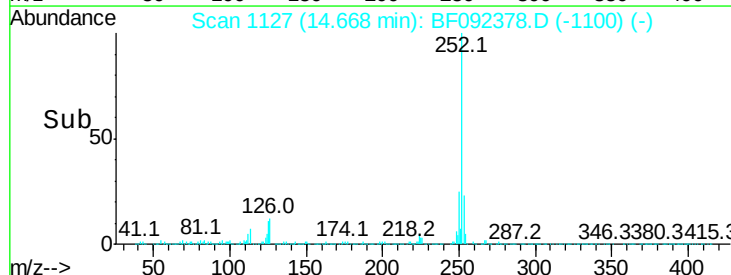
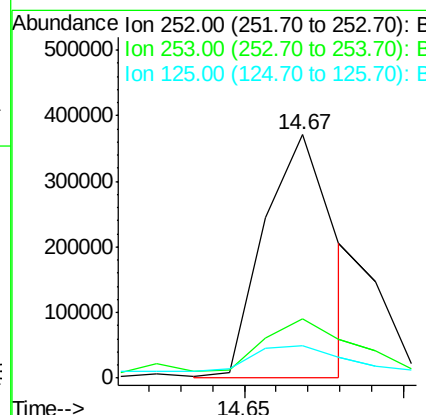
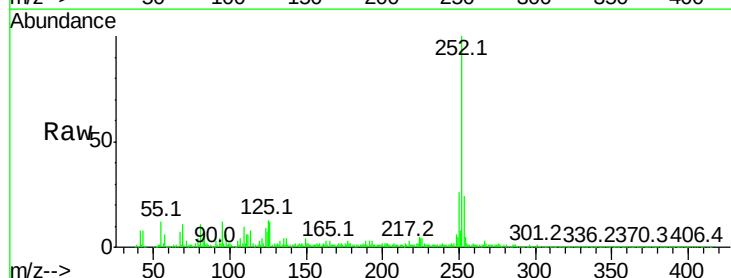
Manual Integrations
APPROVED

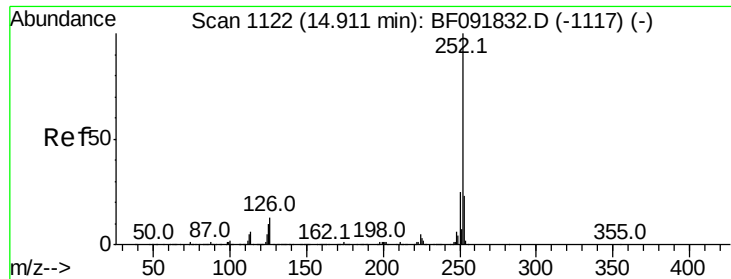
mohammad
1/23/2017 2:44:58 PM



#87
Benzo(b)fluoranthene
Concen: 32.97 ng m
RT: 14.67 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.4
125	13.3	9.8	14.6





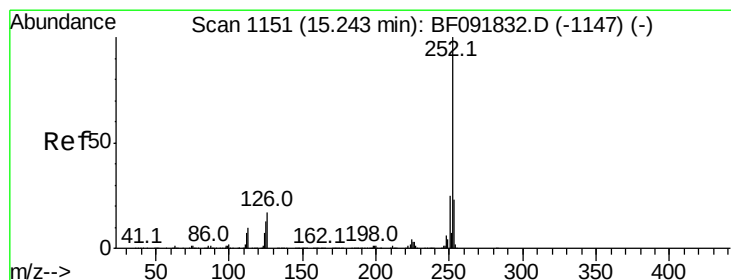
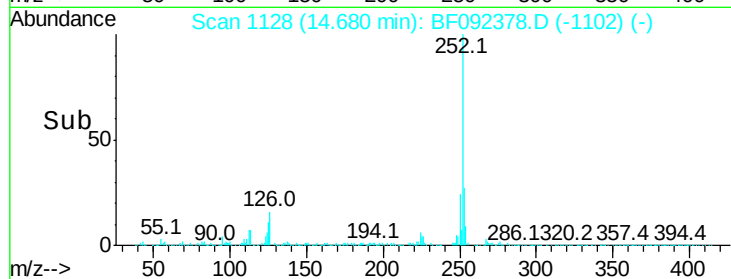
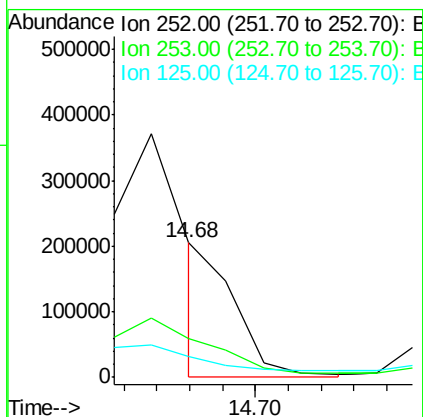
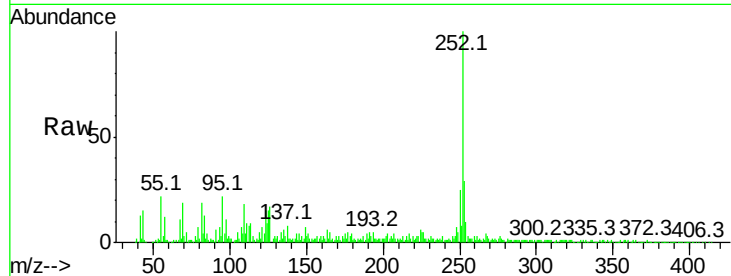
#88
Benzo(k)fluoranthene
Concen: 8.47 ng m
RT: 14.68 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampled :
B-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.5	27.7#
125	15.5	8.9	13.3#

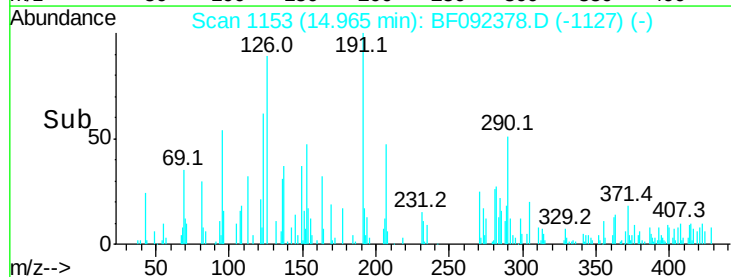
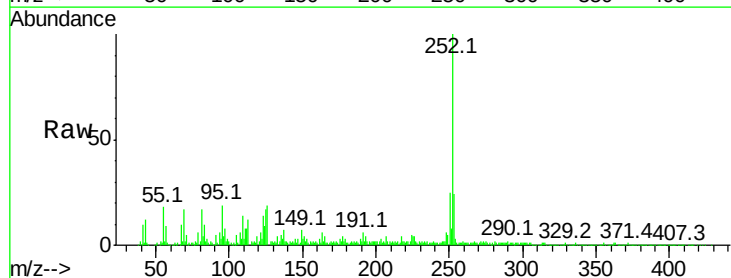
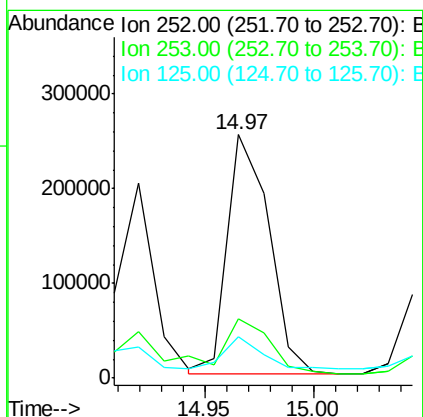
Manual Integrations
APPROVED

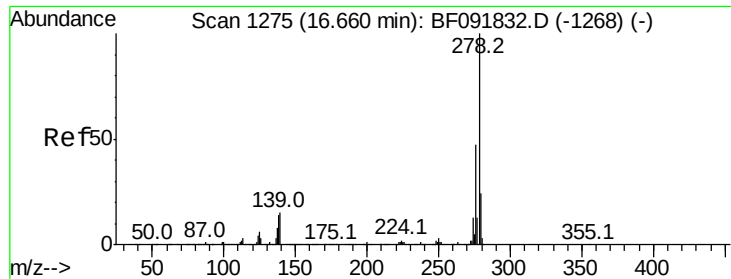
mohammad
1/23/2017 2:44:58 PM



#89
Benzo(a)pyrene
Concen: 22.08 ng
RT: 14.97 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	17.0	10.0	15.0#





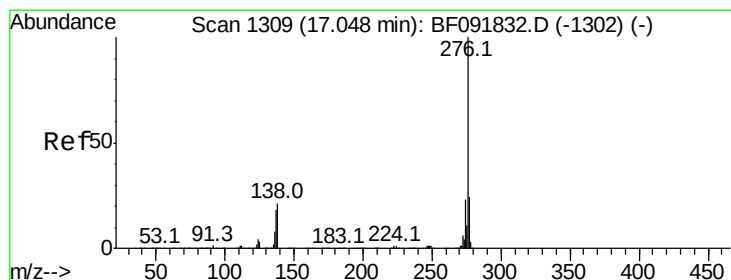
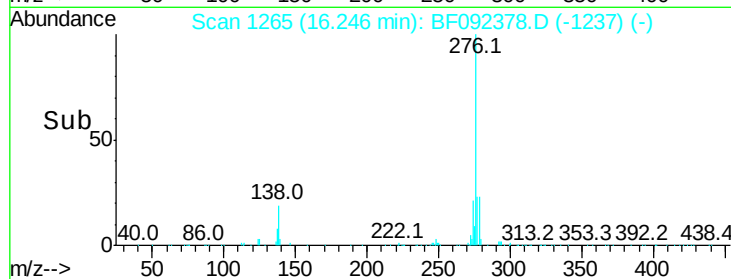
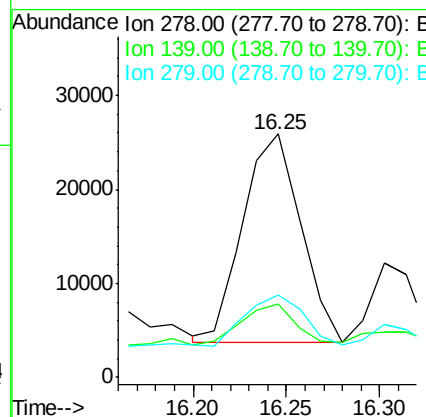
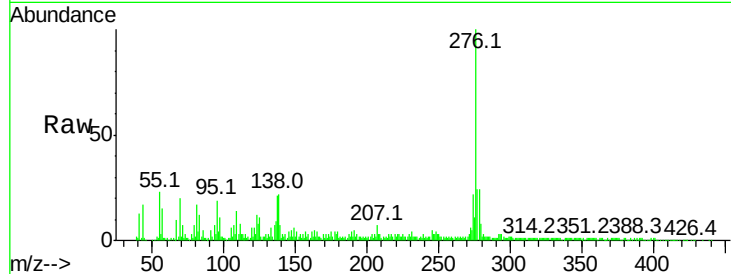
#90
Dibenzo(a,h)anthracene
Concen: 3.78 ng
RT: 16.25 min Scan# 1265
Delta R.T. 0.02 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Instrument :
BNA_F
ClientSampleId :
B-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.9	14.8	22.2#
279	33.9	19.8	29.6#

Manual Integrations
APPROVED

mohammad
1/23/2017 2:44:58 PM



#91
Benzo(g,h,i)perylene
Concen: 14.04 ng
RT: 16.60 min Scan# 1296
Delta R.T. 0.02 min
Lab File: BF092378.D
Acq: 20 Jan 2017 17:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.2	28.8
138	27.0	16.0	24.0#

