

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
 Data File : BF093307.D
 Acq On : 1 Mar 2017 23:32
 Operator : SJ/MA
 Sample : I2002-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSP-9(5.5-7.5)

Manual Integrations
 APPROVED

mohammad
 3/2/2017 1:42:51 PM

Quant Time: Mar 02 01:28:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	122487	20.00	ng	-0.05
21) Naphthalene-d8	8.11	136	263444	20.00	ng	-0.03
38) Acenaphthene-d10	9.87	164	144054	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	352064	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	292091	20.00	ng	-0.05
86) Perylene-d12	15.40	264	285531	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	941122	131.82	ng	-0.05
7) Phenol-d6	6.46	99	1213707	132.12	ng	-0.02
23) Nitrobenzene-d5	7.38	82	642400	135.79	ng	-0.05
41) 2,4,6-Tribromophenol	10.66	330	188390	180.82	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	768217	96.61	ng	-0.02
78) Terphenyl-d14	12.91	244	788663	63.44	ng	-0.06
Target Compounds						
10) Phenol	6.48	94	94717	8.81	ng	Qvalue # 80
51) Acenaphthene	9.90	154	45684m	5.42	ng	
57) Fluorene	10.41	166	93172	10.74	ng	# 69
70) Phenanthrene	11.37	178	255613	12.67	ng	# 95
74) Fluoranthene	12.55	202	218811	10.52	ng	98
77) Pyrene	12.77	202	245860	11.25	ng	98
80) Benzo(a)anthracene	13.96	228	77226m	4.32	ng	
82) Chrysene	14.00	228	68075m	4.07	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	47859	3.69	ng	99
87) Benzo(b)fluoranthene	14.99	252	83941m	4.47	ng	
88) Benzo(k)fluoranthene	15.00	252	34178m	2.11	ng	
89) Benzo(a)pyrene	15.33	252	73497	4.52	ng	# 75
91) Benzo(a,h,i)perylene	17.22	276	51866	3.91	ng	# 84

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

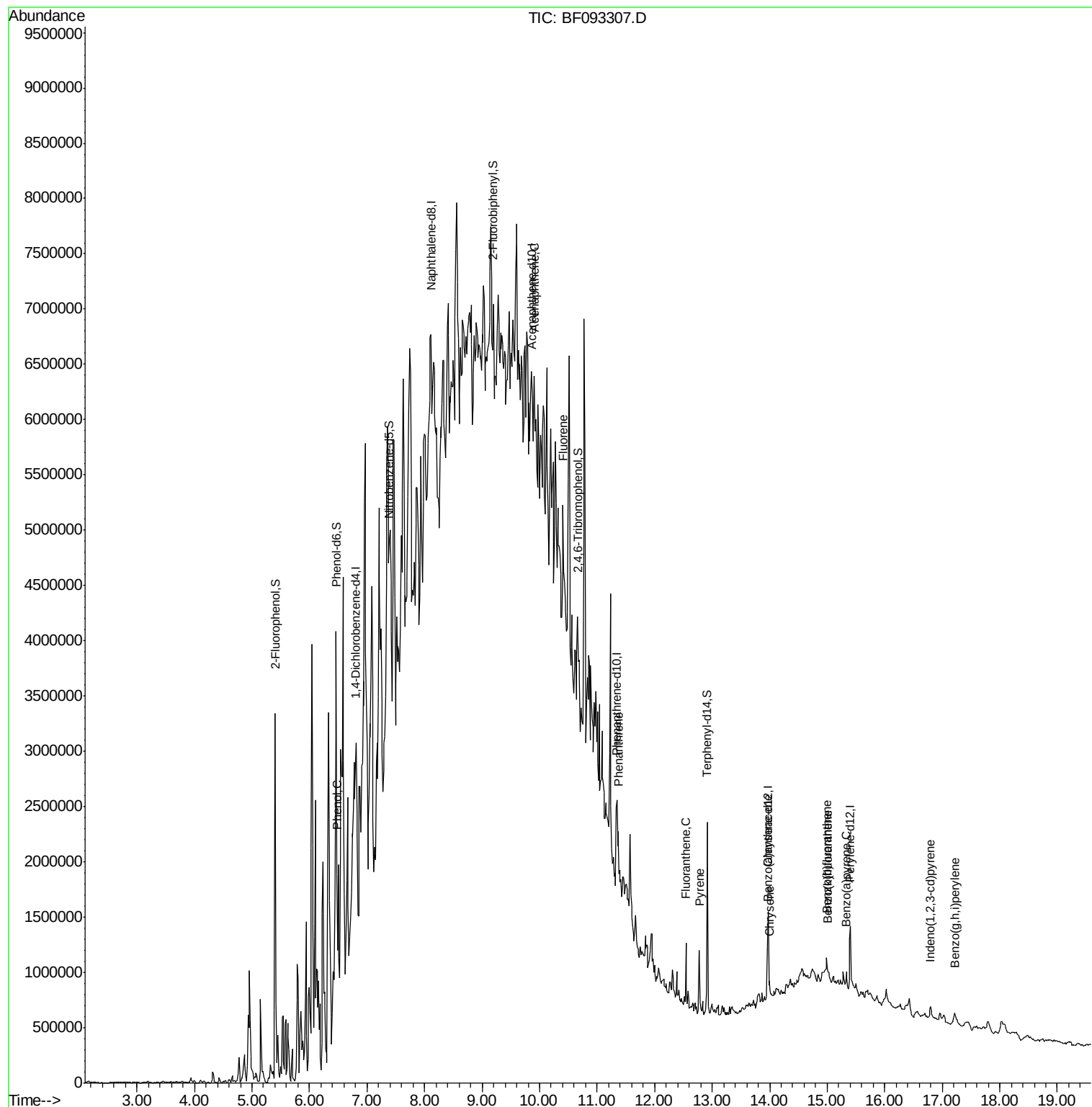
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093307.D
Acq On : 1 Mar 2017 23:32
Operator : SJ/MA
Sample : I2002-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

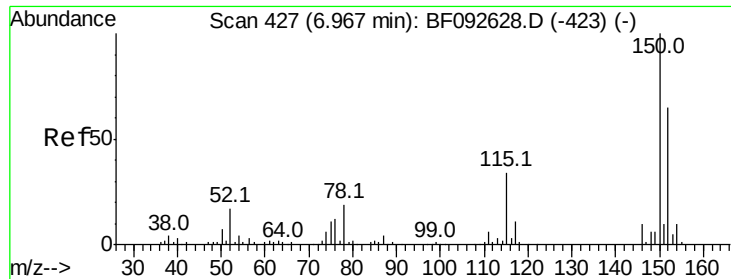
Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Manual Integrations
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Quant Time: Mar 02 01:28:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Instrument :

BNA_F

ClientSampleId :

SSP-9(5.5-7.5)

Tot Ion:152 Resp: 122487

Ion Ratio Lower Upper

152 100

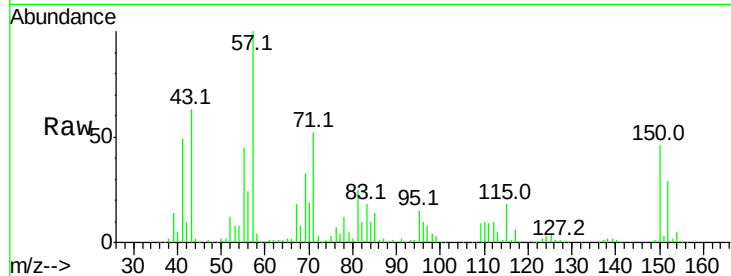
150 155.2 124.9 187.3

115 61.4 46.0 69.0

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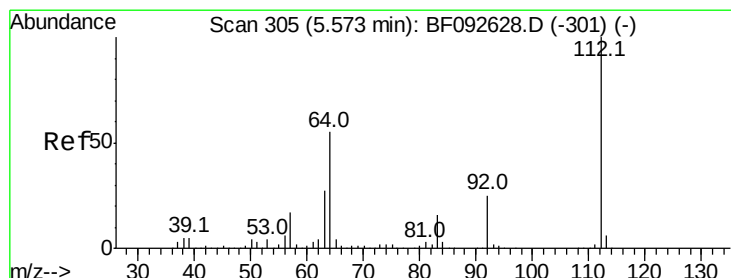
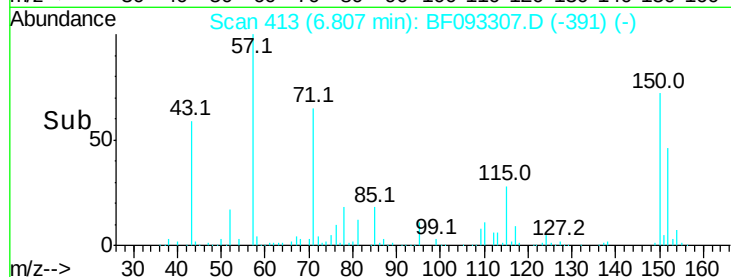
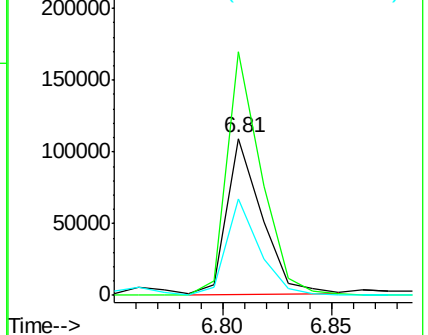
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 131.82 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

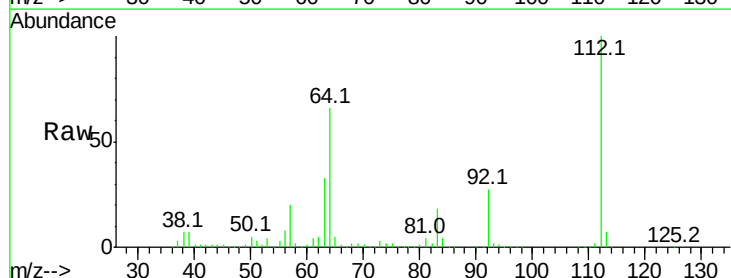
Tgt Ion:112 Resp: 941122

Ion Ratio Lower Upper

112 100

64 65.7 46.1 69.1

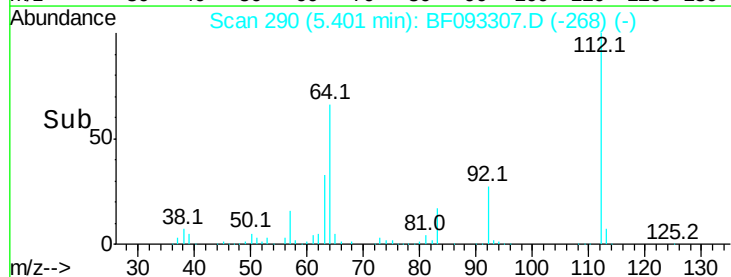
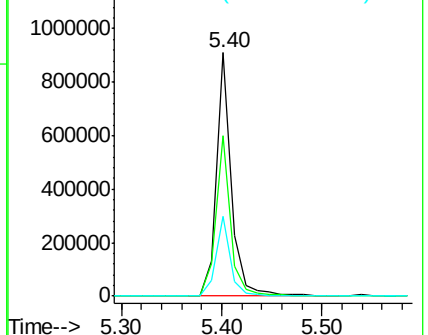
63 33.0 23.8 35.6

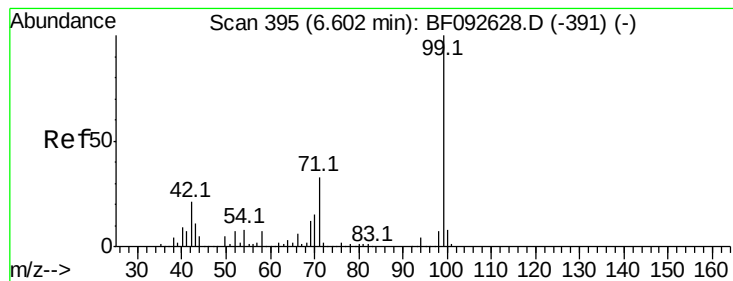


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.12 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Instrument :

BNA_F

ClientSampleId :

SSP-9(5.5-7.5)

Tot Ion: 99 Resp: 1213707

Ion Ratio Lower Upper

99 100

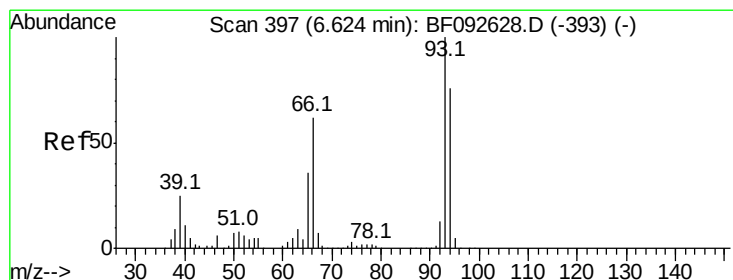
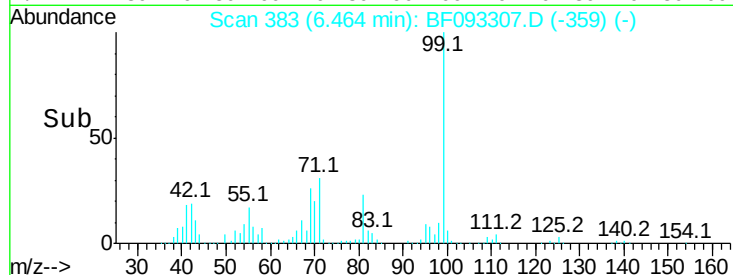
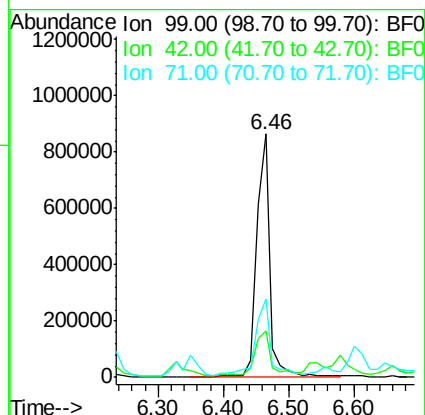
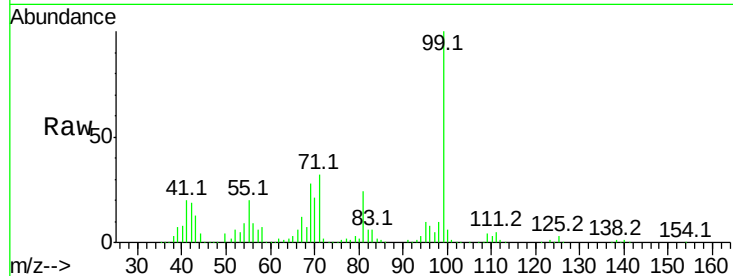
42 19.1 15.6 23.4

71 32.1 27.5 41.3

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#10

Phenol

Concen: 8.81 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

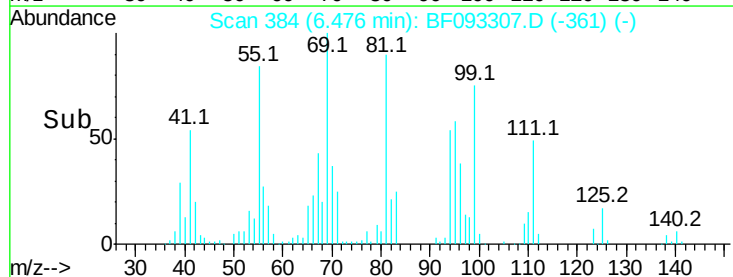
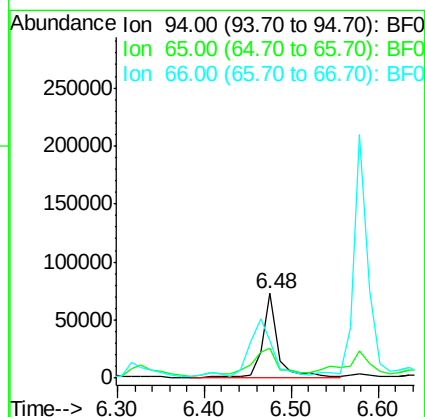
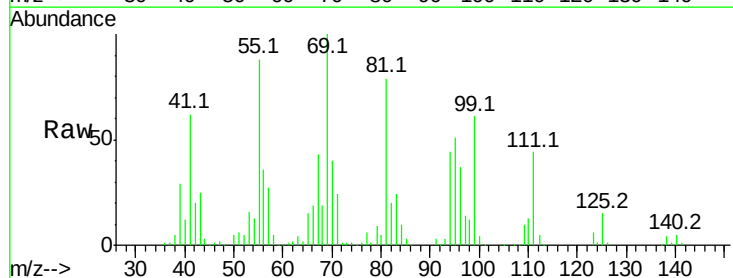
Tgt Ion: 94 Resp: 94717

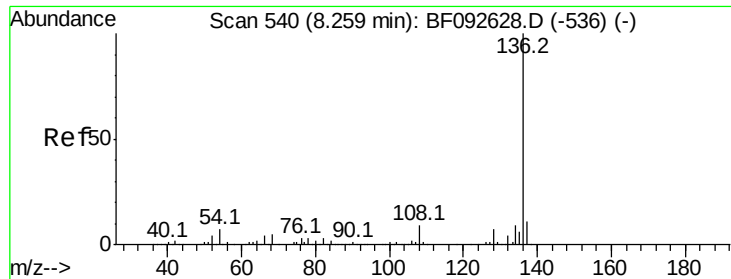
Ion Ratio Lower Upper

94 100

65 35.0 21.4 61.4

66 43.9 44.0 84.0#





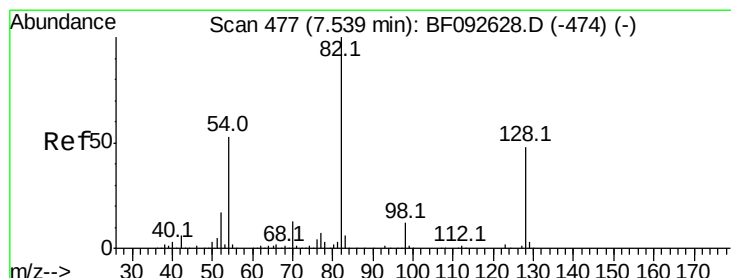
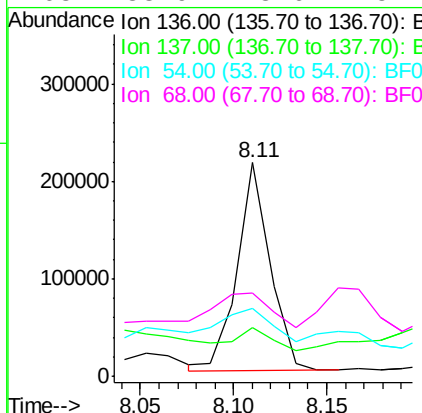
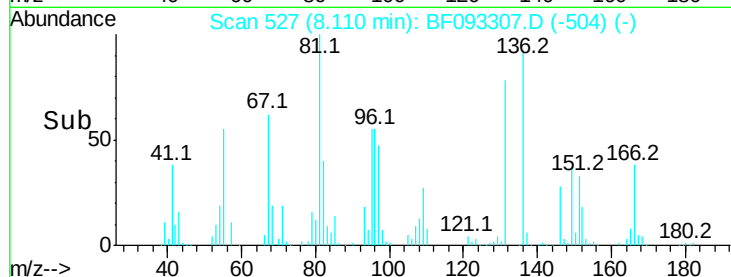
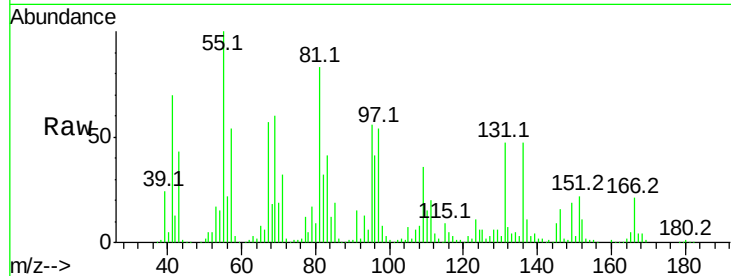
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	263444		
137	22.6	8.4	12.6#	
54	31.5	4.5	6.7#	
68	38.9	3.6	5.4#	

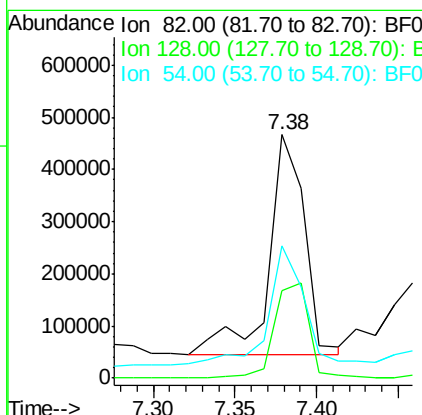
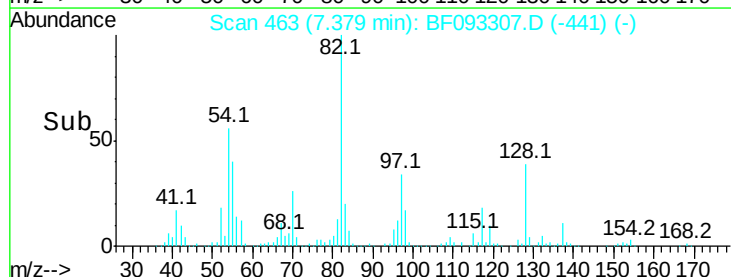
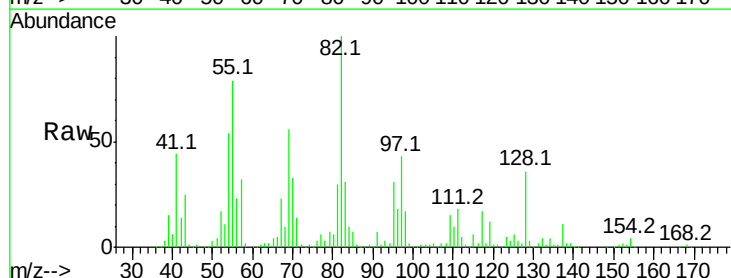
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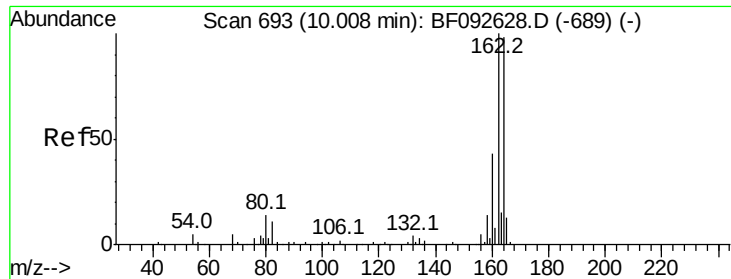
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#23
Nitrobenzene-d5
Concen: 135.79 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	642400		
128	36.1	34.6	52.0	
54	54.3	39.5	59.3	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Instrument :

BNA_F

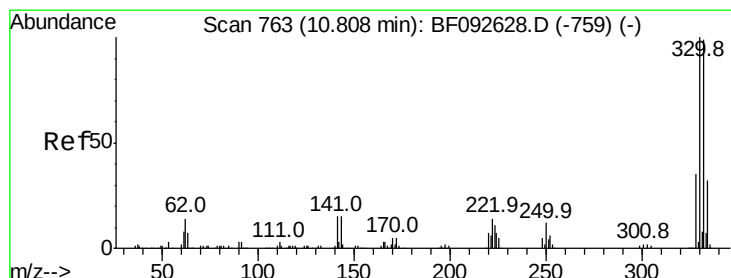
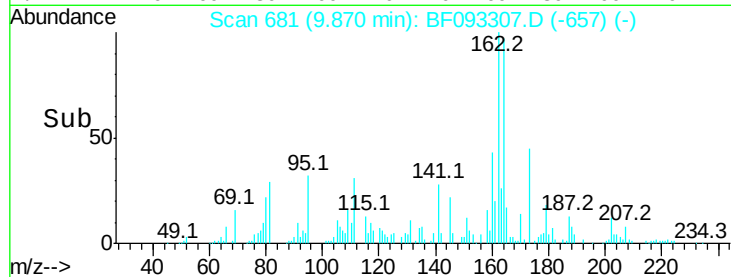
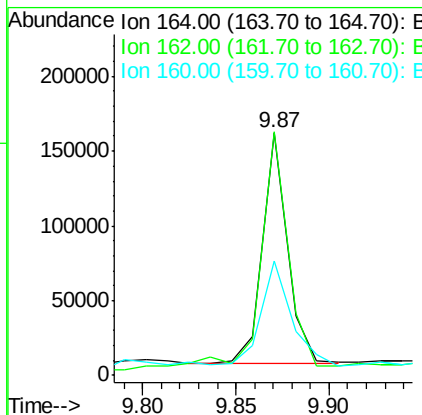
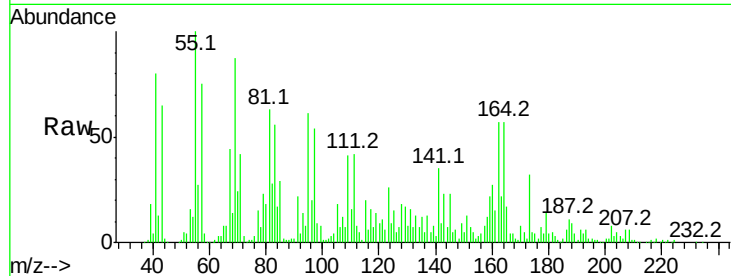
ClientSampleId :

SSP-9(5.5-7.5)

Tot Ion:	164	Resp:	144054
Ion Ratio	Lower	Upper	
164	100		
162	100.3	80.2	120.2
160	47.1	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 180.82 ng

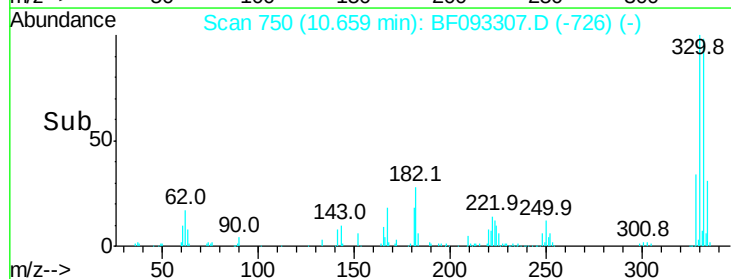
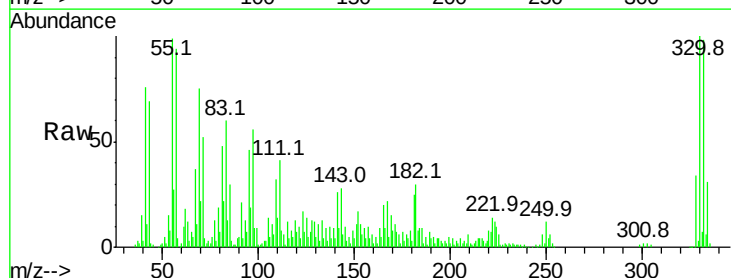
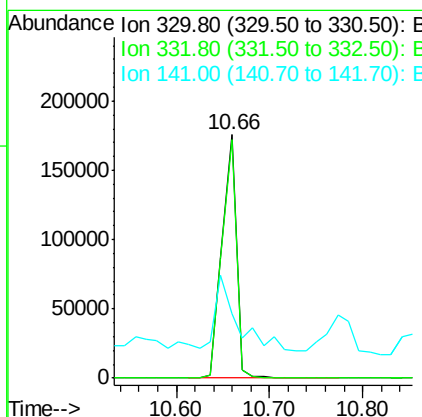
RT: 10.66 min Scan# 750

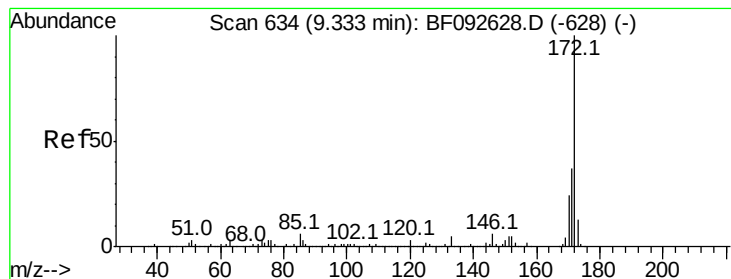
Delta R.T. -0.02 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Tgt Ion:	330	Resp:	188390
Ion Ratio	Lower	Upper	
330	100		
332	98.2	77.4	116.2
141	46.6	34.1	51.1





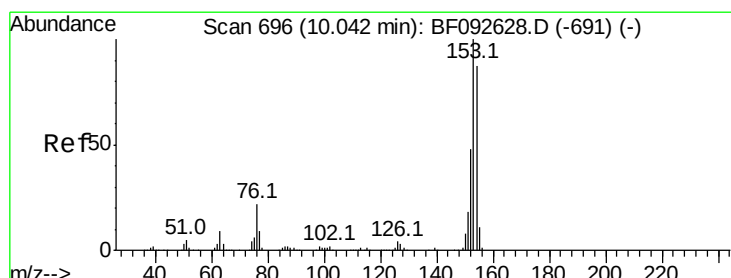
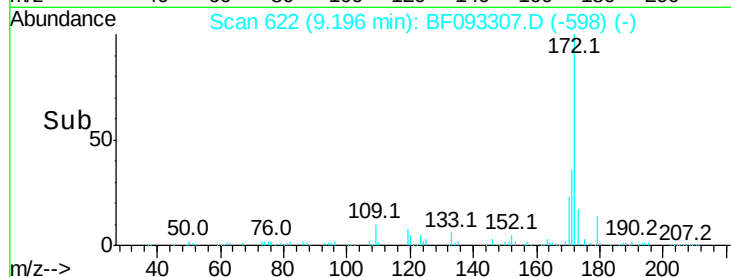
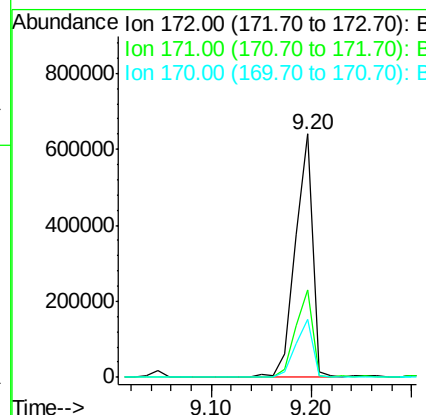
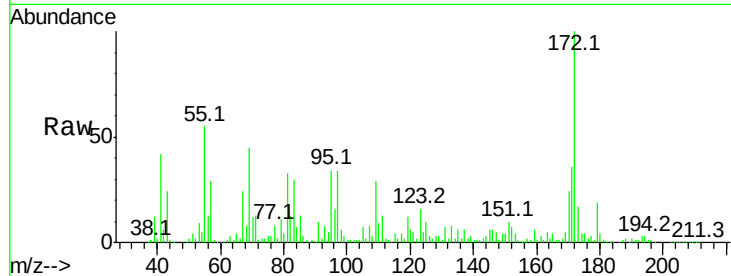
#44
2-Fluorobiphenyl
Concen: 96.61 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	23.7	20.2	30.4

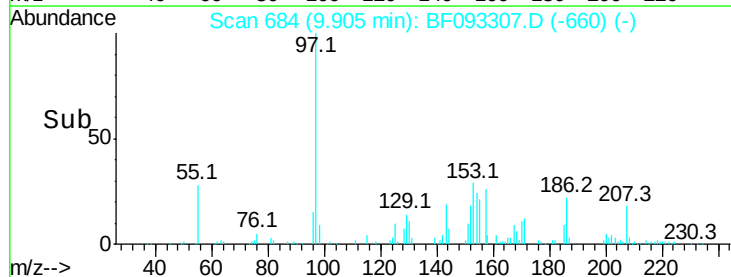
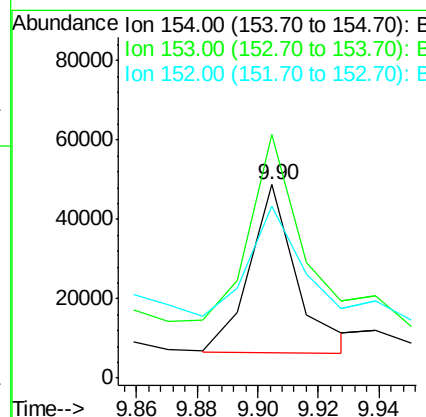
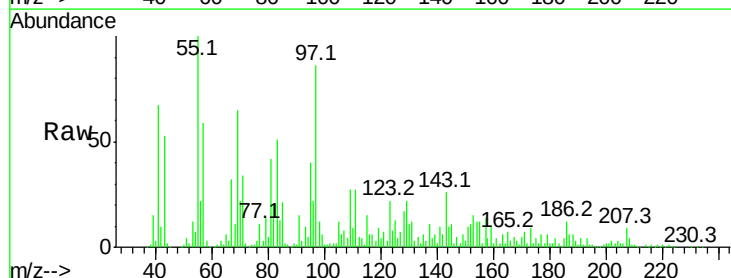
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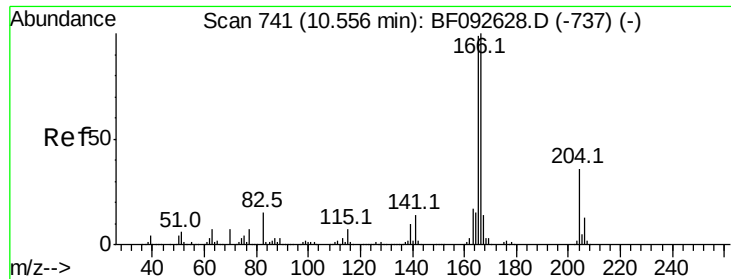
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#51
Acenaphthene
Concen: 5.42 ng m
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	125.9	88.6	133.0
152	88.8	41.6	62.4





#57

Fluorene

Concen: 10.74 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Instrument :

BNA_F

ClientSampleId :

SSP-9(5.5-7.5)

Tot Ion:166 Resp: 93172

Ion Ratio Lower Upper

166 100

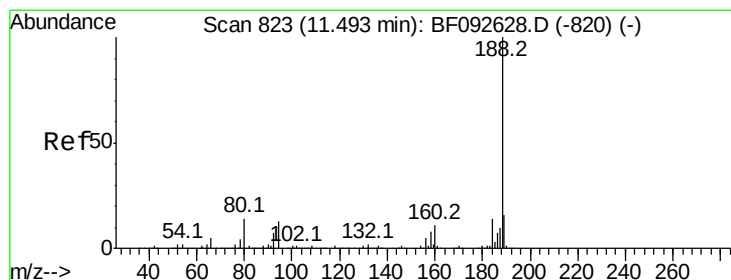
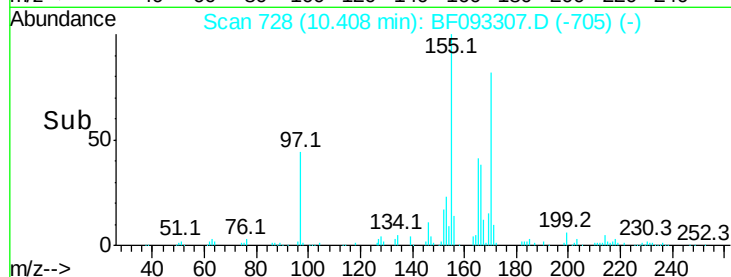
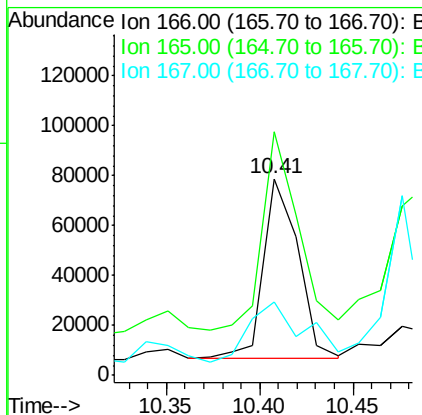
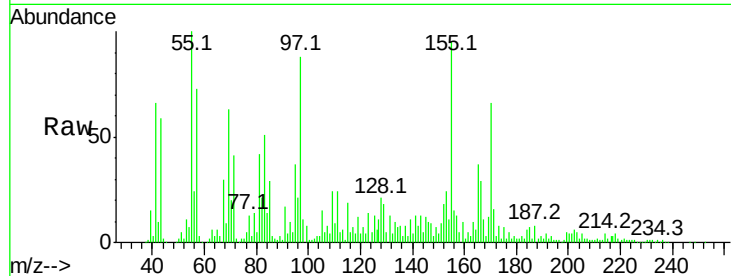
165 123.9 77.8 116.8#

167 37.3 10.8 16.2#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

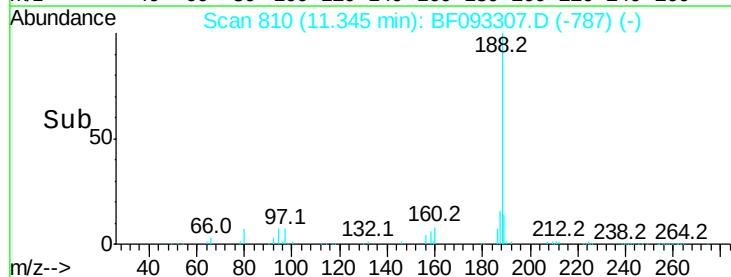
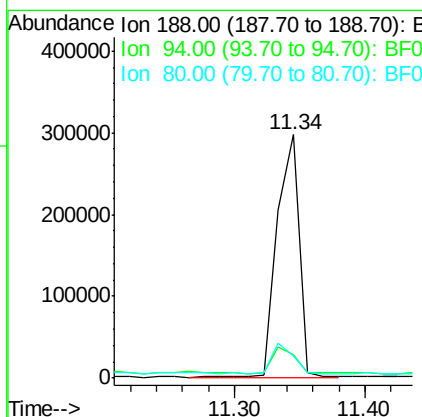
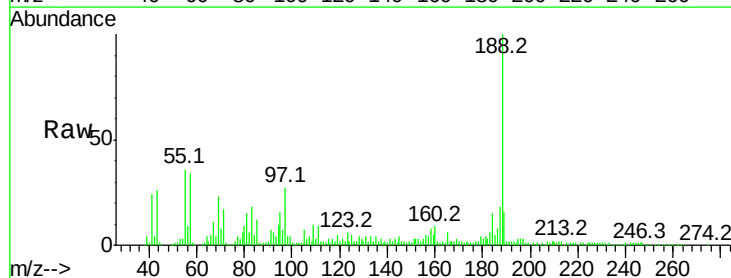
Tgt Ion:188 Resp: 352064

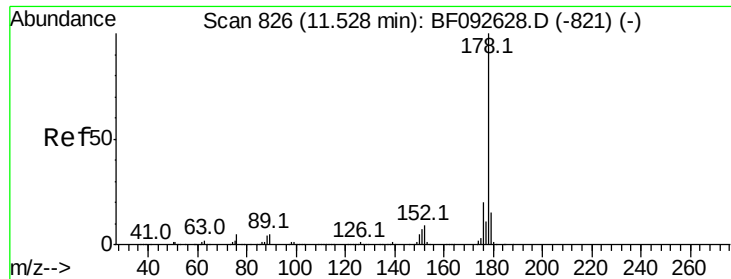
Ion Ratio Lower Upper

188 100

94 9.6 10.0 15.0#

80 9.2 11.2 16.8#





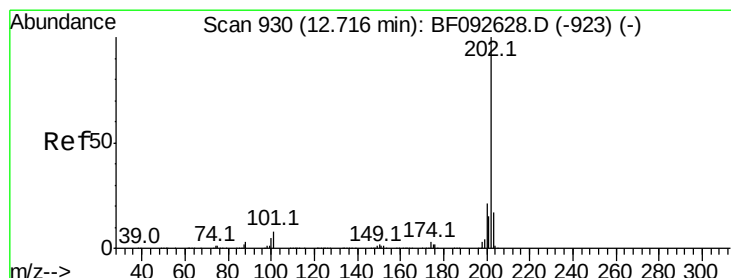
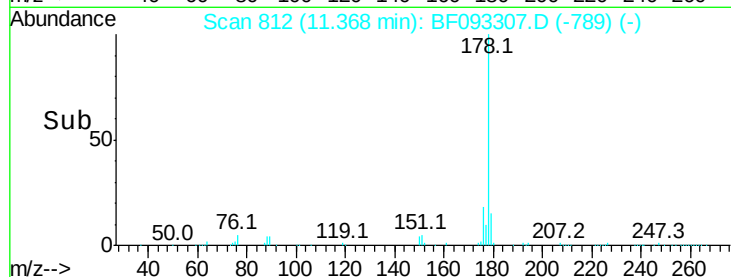
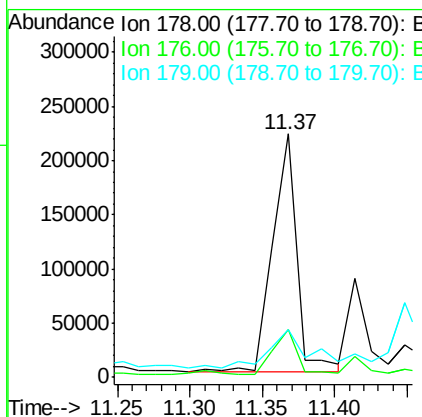
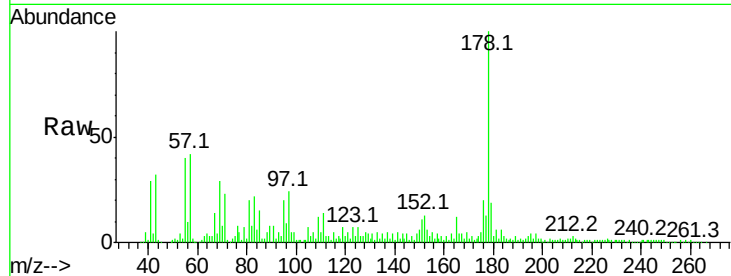
#70
Phenanthrene
Concen: 12.67 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	19.5	12.8	19.2

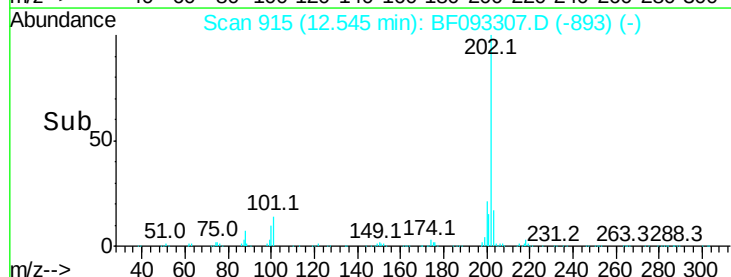
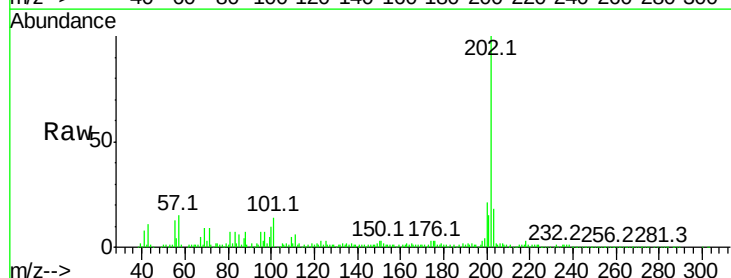
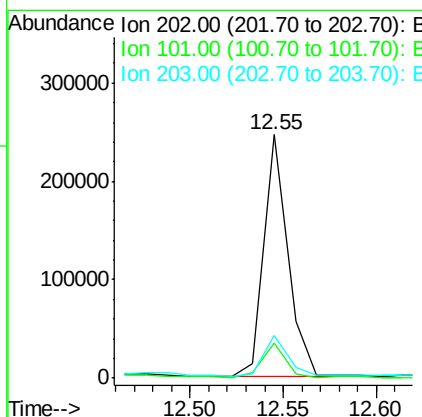
Manual Integrations
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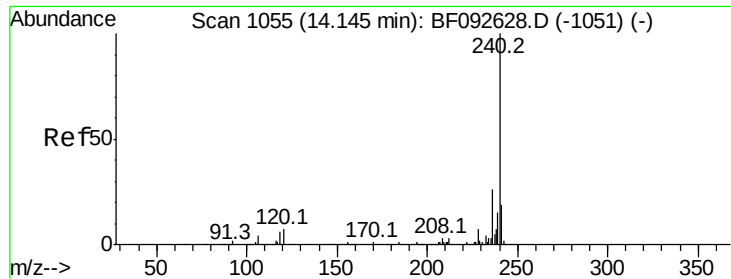
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#74
Fluoranthene
Concen: 10.52 ng
RT: 12.55 min Scan# 915
Delta R.T. -0.05 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.6
203	17.7	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Instrument :

BNA_F

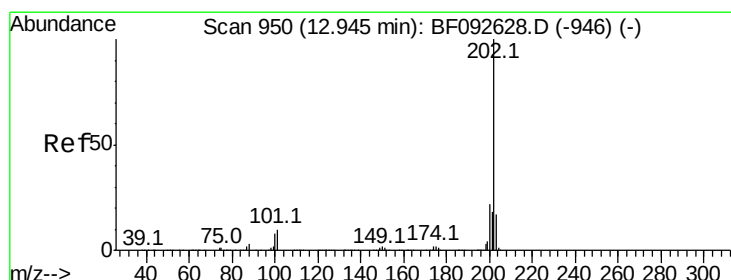
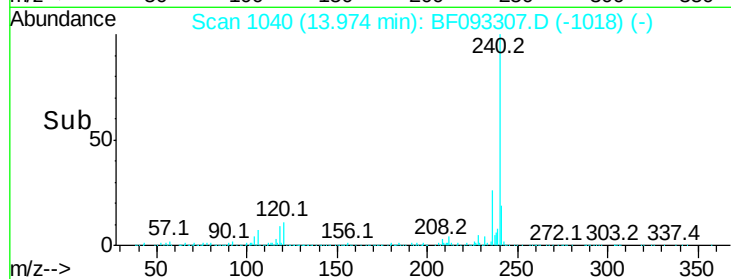
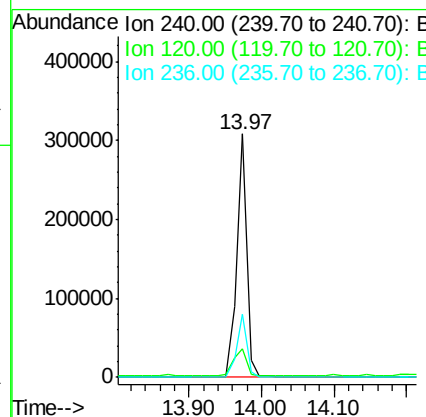
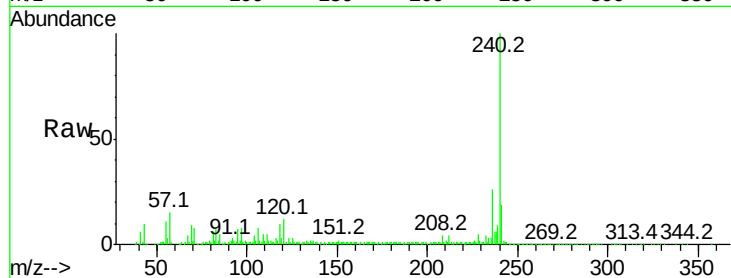
ClientSampleId :

SSP-9(5.5-7.5)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.0	12.9	19.3#	
236	26.1	20.9	31.3	

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#77

Pyrene

Concen: 11.25 ng

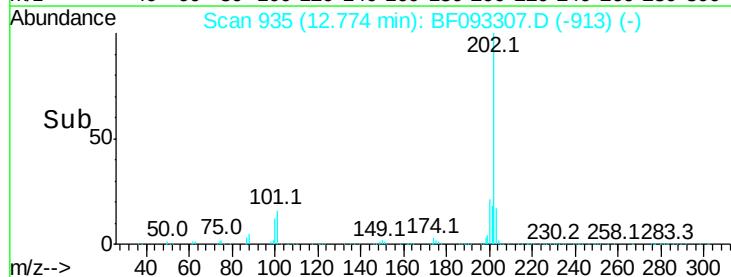
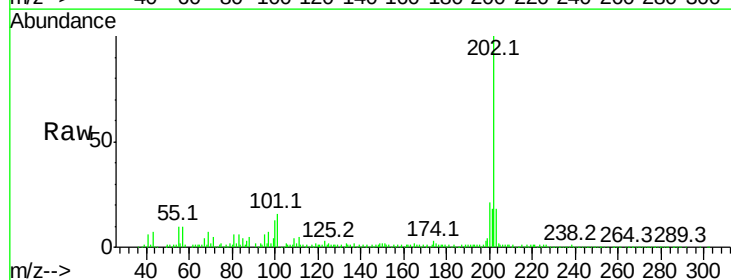
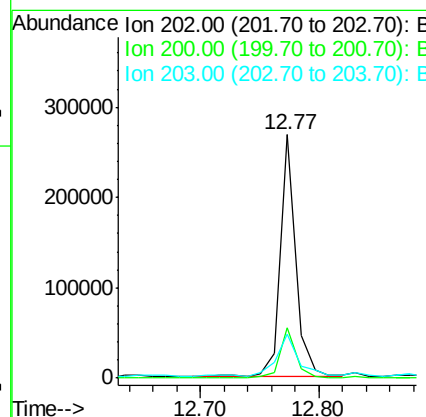
RT: 12.77 min Scan# 935

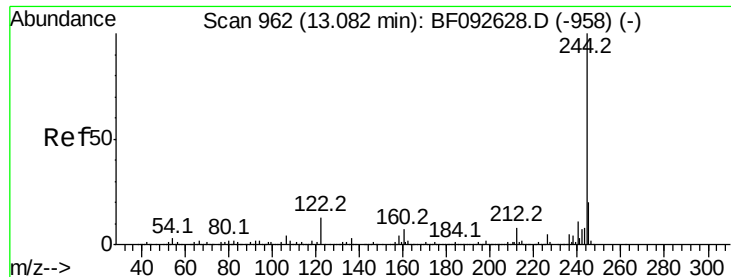
Delta R.T. -0.05 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.6	17.7	26.5	
203	18.0	14.7	22.1	





#78

Terphenyl-d14

Concen: 63.44 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093307.D

Acq: 1 Mar 2017 23:32

Instrument :

BNA_F

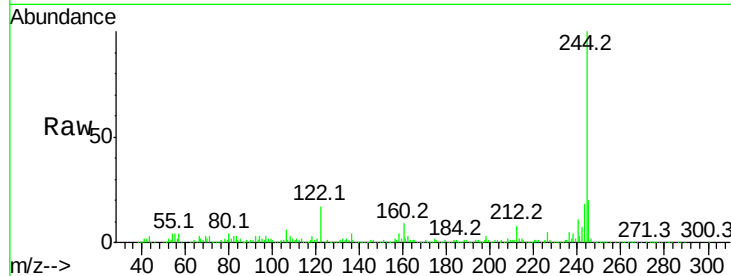
ClientSampleId :

SSP-9(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.2
122	17.0	11.4	17.2

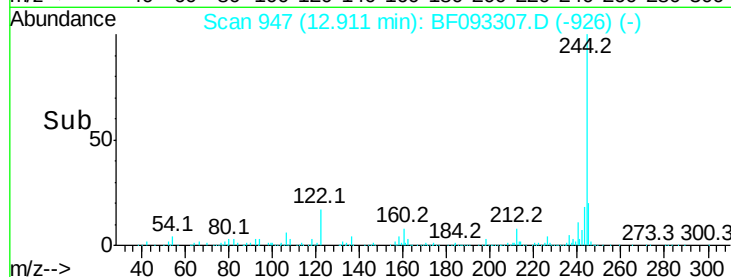
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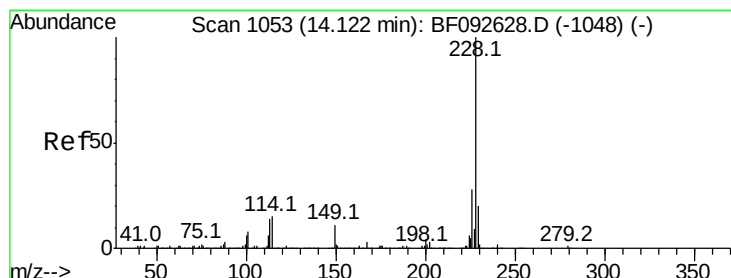


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.91



Time-->



#80

Benzo(a)anthracene

Concen: 4.32 ng m

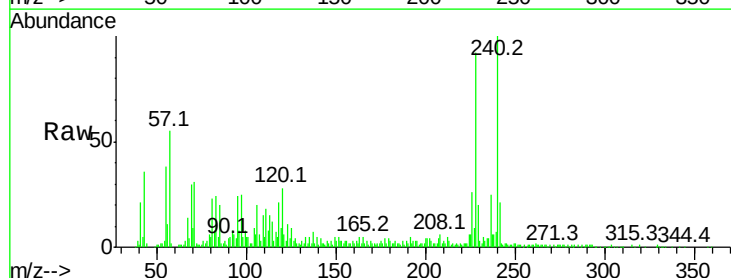
RT: 13.96 min Scan# 1039

Delta R.T. -0.05 min

Lab File: BF093307.D

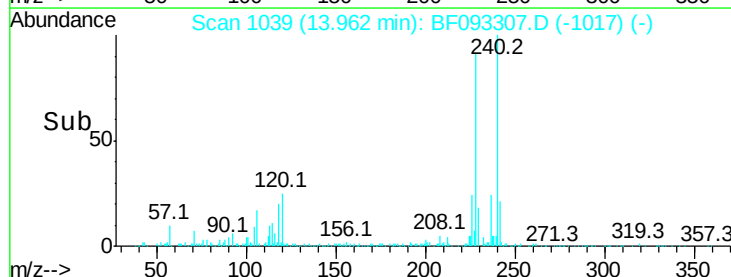
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	22.3	16.2	24.4

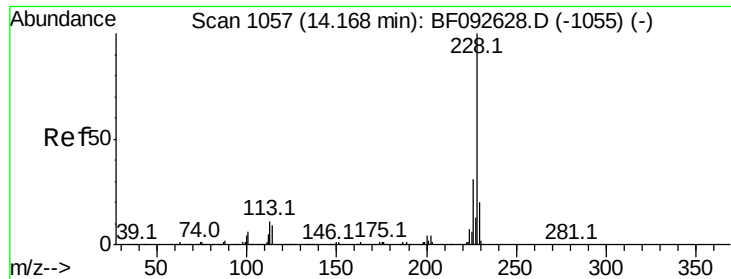


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

13.96



Time-->



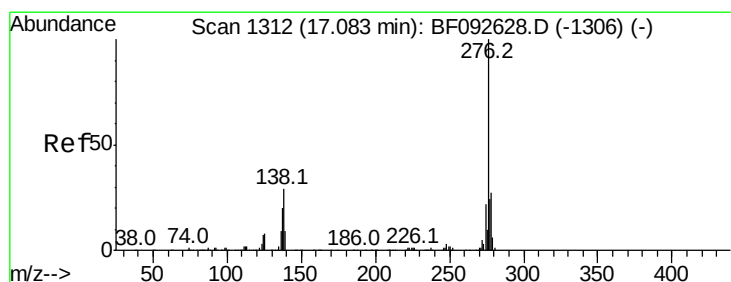
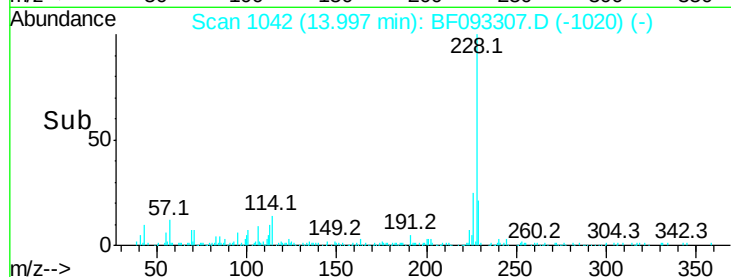
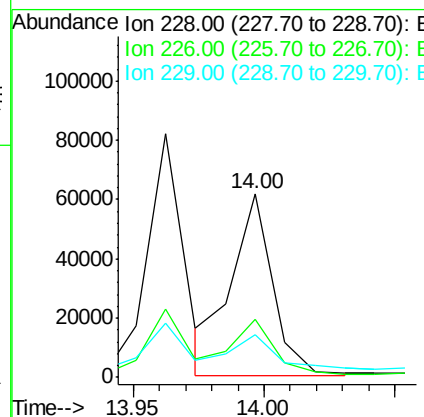
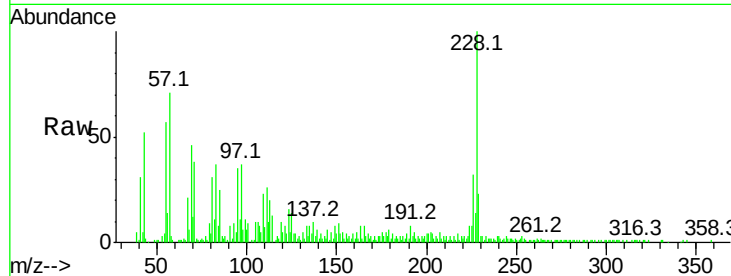
#82
Chrysene
Concen: 4.07 ng/ml
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	23.5	16.2	24.2

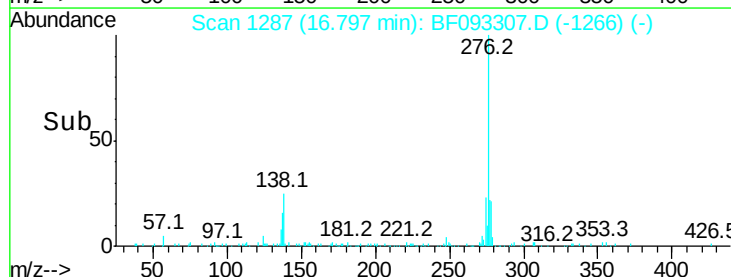
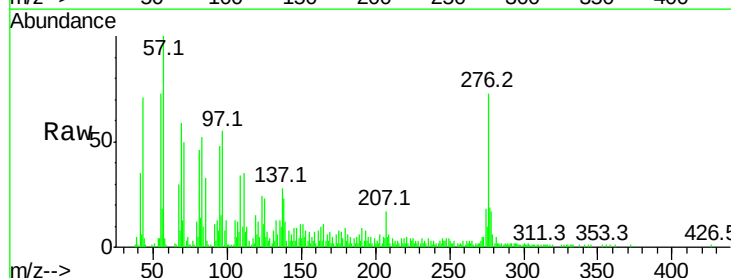
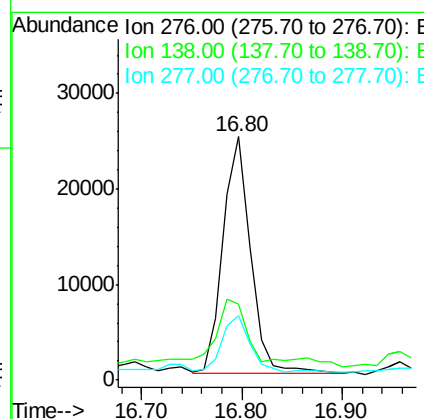
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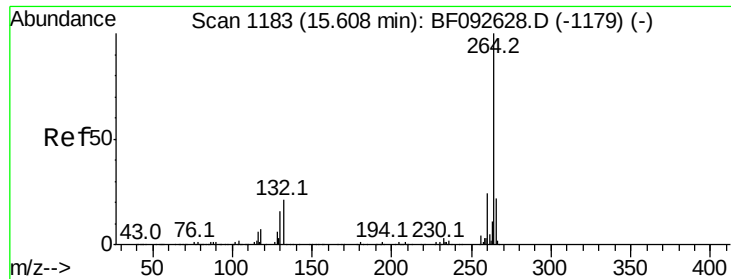
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.69 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.06 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.8	32.6
277	24.9	20.2	30.4





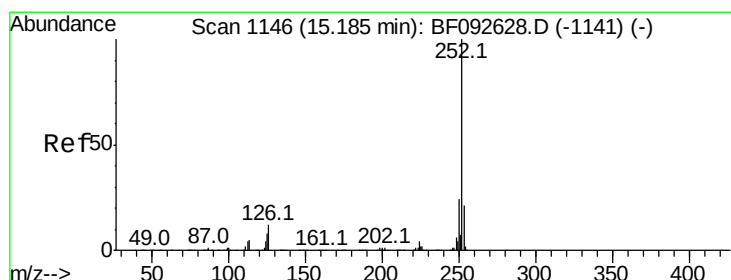
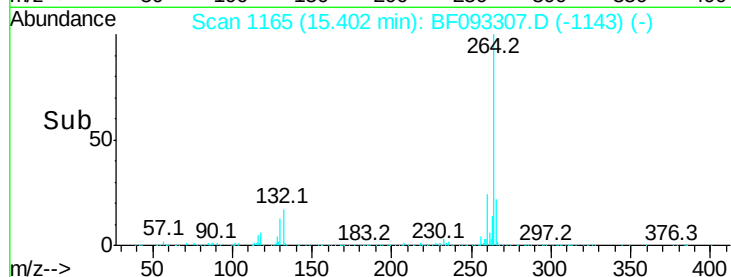
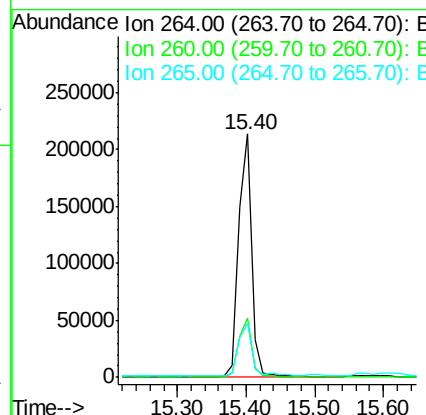
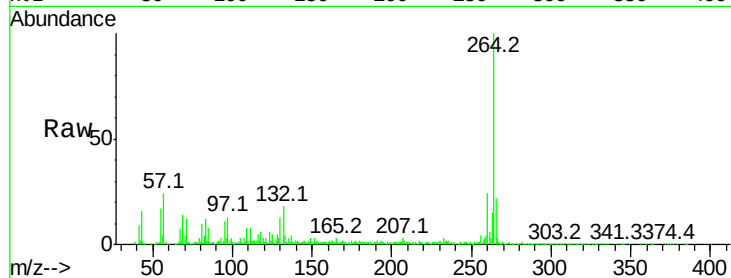
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.4	19.2	28.8	
265	22.4	17.4	26.0	

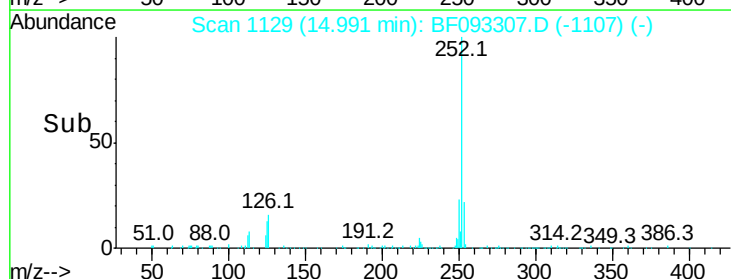
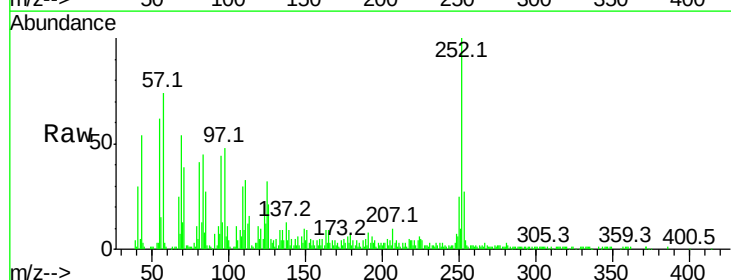
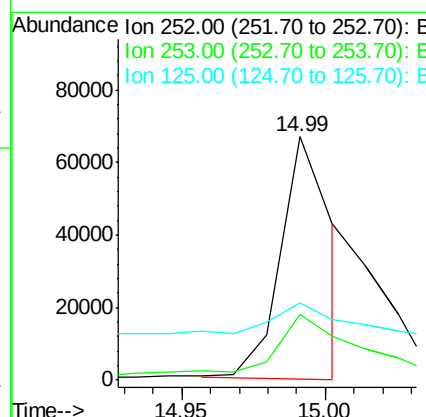
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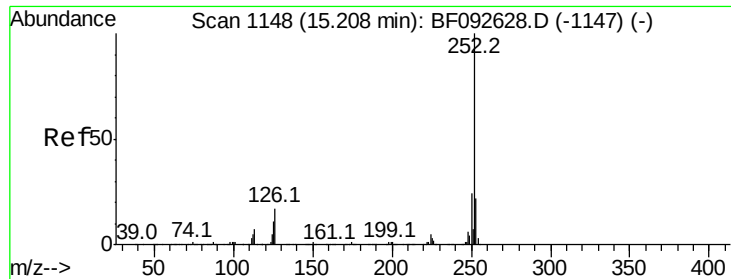
mohammad
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#87
Benzo(b)fluoranthene
Concen: 4.47 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.0	18.2	27.4	
125	31.6	9.8	14.6	





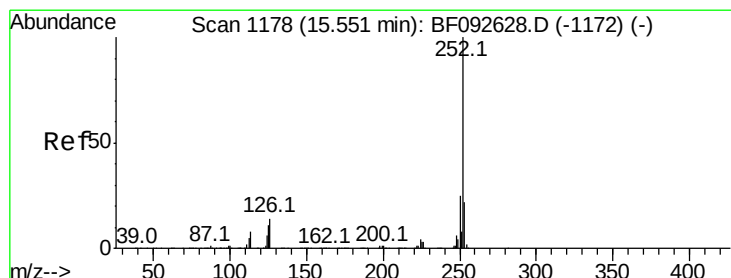
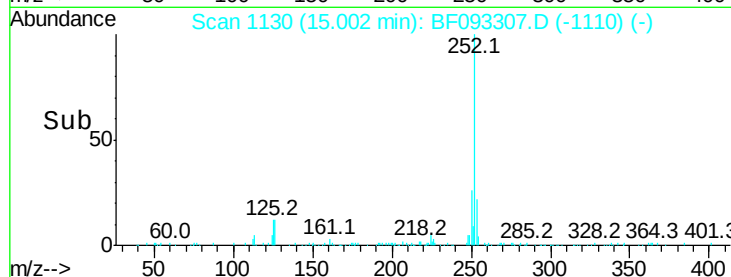
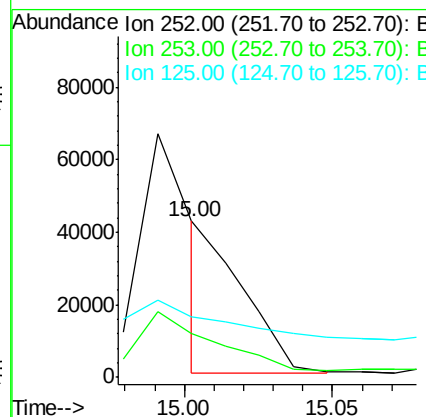
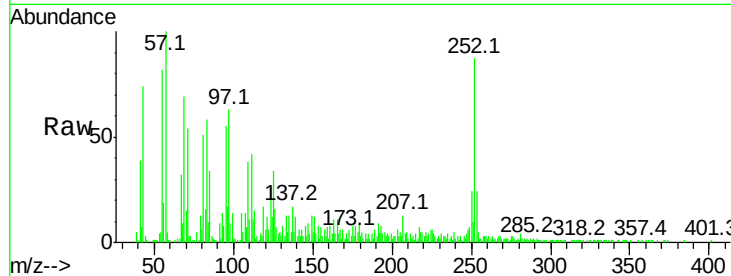
#88
Benzo(k)fluoranthene
Concen: 2.11 ng/ml
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Instrument :
BNA_F
ClientSampleId :
SSP-9(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.5	27.7#
125	38.5	8.9	13.3#

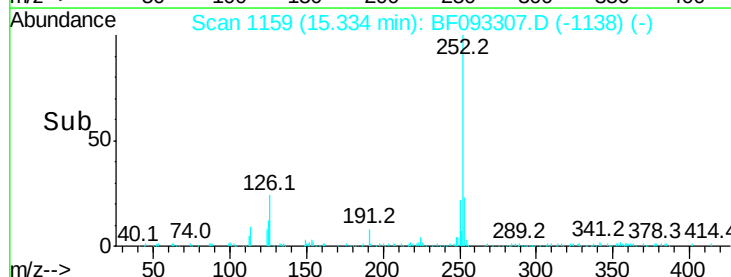
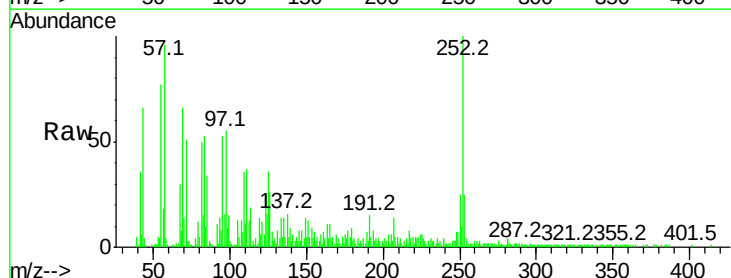
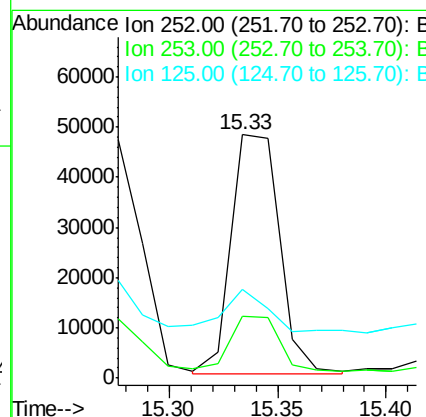
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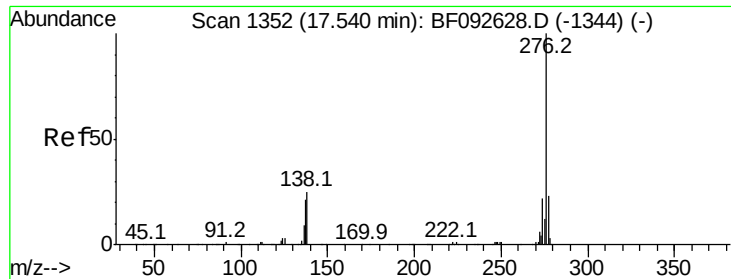
mohammad
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#89
Benzo(a)pyrene
Concen: 4.52 ng/ml
RT: 15.33 min Scan# 1159
Delta R.T. -0.06 min
Lab File: BF093307.D
Acq: 1 Mar 2017 23:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	36.2	10.0	15.0#





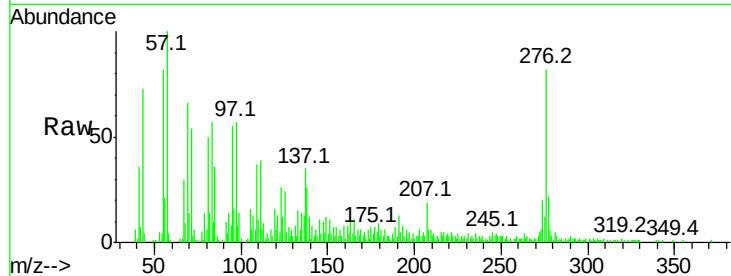
#91
 Benzo(a,h,i)perylene
 Concen: 3.91 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093307.D
 Acq: 1 Mar 2017 23:32

Instrument :
 BNA_F
 ClientSampleId :
 SSP-9(5.5-7.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.2	28.8
138	32.1	16.0	24.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

