

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093025.D
 Acq On : 17 Feb 2017 21:59
 Operator : SJ/MA
 Sample : I1884-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Manual Integrations
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Quant Time: Feb 18 00:09:01 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	6.85	152	166763	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	639417	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	267440	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	413924	20.00	ng	0.00
75) Chrysene-d12	14.02	240	309494	20.00	ng	0.00
86) Perylene-d12	15.45	264	288340	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1147823	118.09	ng	0.01
7) Phenol-d6	6.50	99	1490955	119.21	ng	0.01
23) Nitrobenzene-d5	7.42	82	867815	75.58	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	215069	111.19	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1374718	93.13	ng	0.00
78) Terphenyl-d14	12.97	244	955110	72.51	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.51	94	89836	6.14	ng	94
37) 2-Methylnaphthalene	8.85	142	47948	2.30	ng	97
49) Dimethylphthalate	9.62	163	423548	23.51	ng	98
51) Acenaphthene	9.93	154	42737	2.73	ng	97
54) Dibenzofuran	10.10	168	52902	2.53	ng	# 89
57) Fluorene	10.44	166	63487	3.94	ng	99
70) Phenanthrene	11.40	178	747008	31.50	ng	99
71) Anthracene	11.45	178	205497	8.63	ng	99
72) Carbazole	11.61	167	47572	2.09	ng	95
74) Fluoranthene	12.59	202	900823	36.83	ng	98
77) Pyrene	12.82	202	826811	35.70	ng	99
80) Benzo(a)anthracene	14.01	228	426030	22.51	ng	98
82) Chrysene	14.04	228	378509m	21.36	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	197904	14.42	ng	95
87) Benzo(b)fluoranthene	15.04	252	443393m	23.36	ng	
88) Benzo(k)fluoranthene	15.05	252	194616m	11.88	ng	
89) Benzo(a)pyrene	15.39	252	348019	21.20	ng	99
90) Dibenzo(a,h)anthracene	16.87	278	44820	3.38	ng	# 78
91) Benzo(g,h,i)perylene	17.29	276	193614	14.44	ng	# 90

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

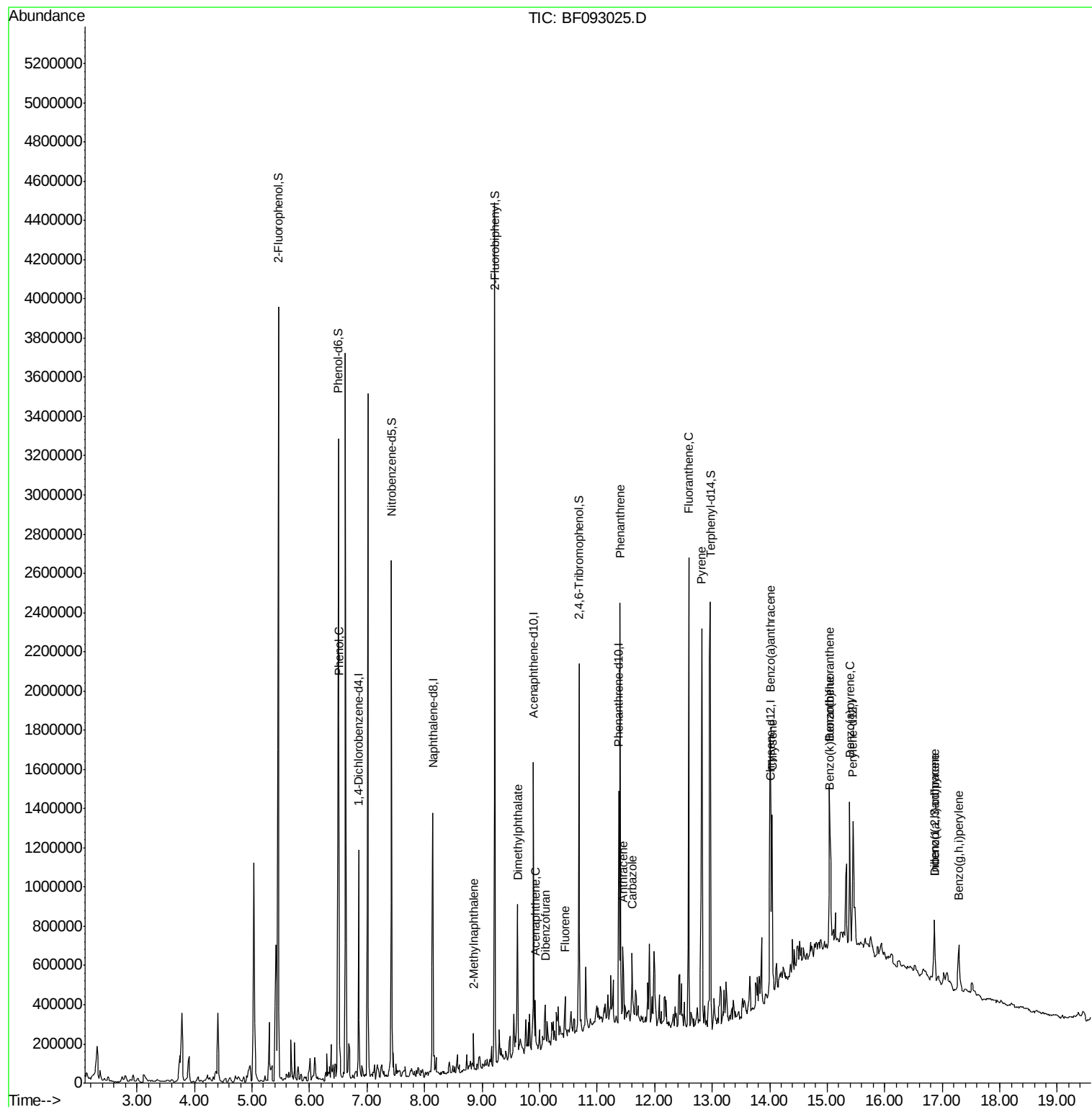
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
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ALS Vial : 22 Sample Multiplier: 1

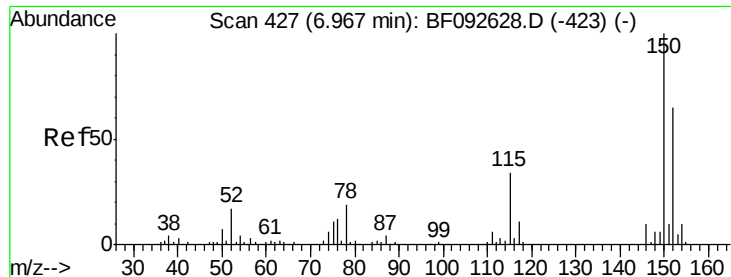
Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

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#1

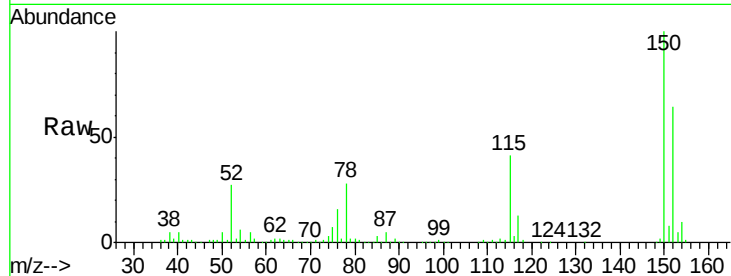
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	166763		
150	155.1	124.9	187.3	
115	63.3	46.0	69.0	

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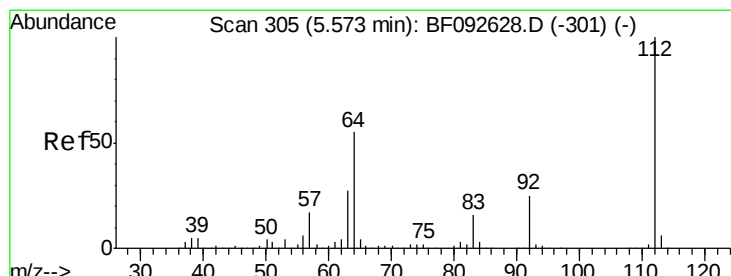
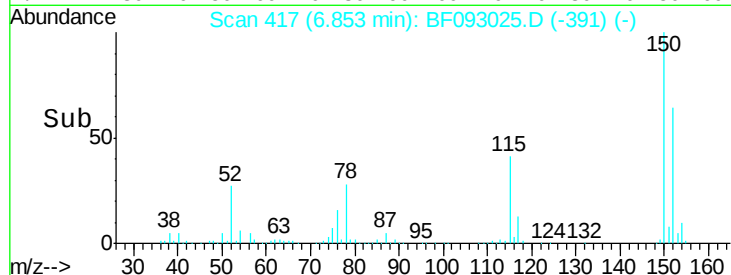
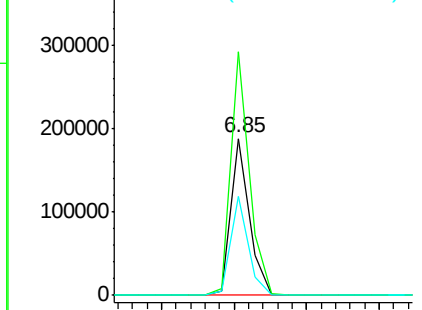


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

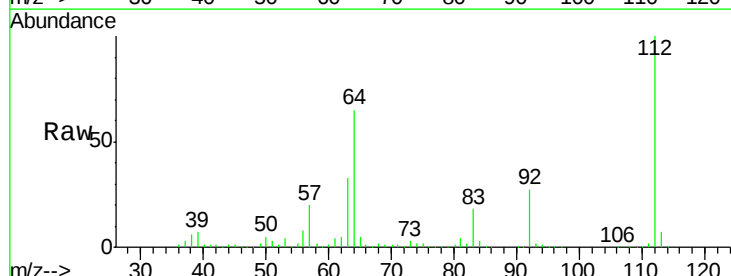
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 118.09 ng
 RT: 5.46 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1147823		
64	65.3	46.1	69.1	
63	32.7	23.8	35.6	

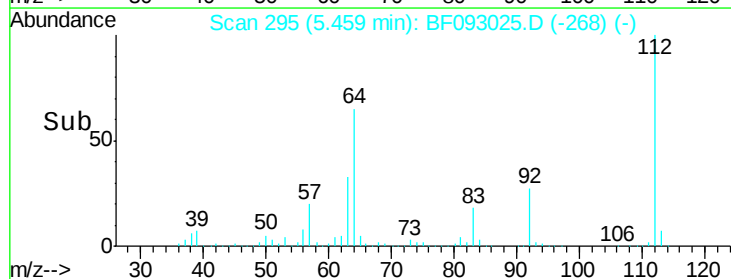
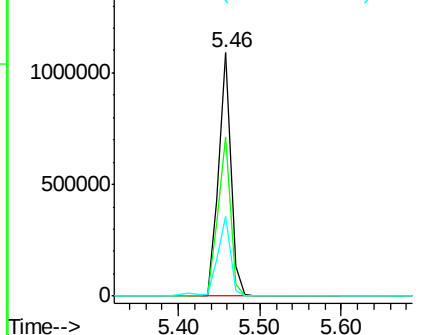


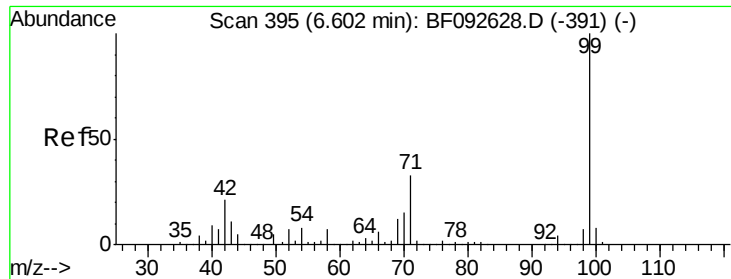
Abundance

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: 119.21 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093025.D

Acq: 17 Feb 2017 21:59

Instrument :

BNA_F

ClientSampleId :

PIT-D-COMP

Tgt Ion: 99 Resp: 1490955

Ion Ratio Lower Upper

99 100

42 21.0 15.6 23.4

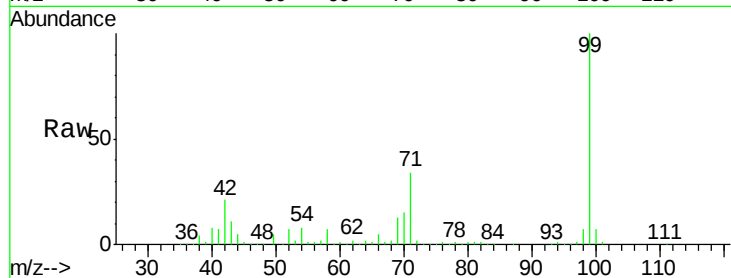
71 33.7 27.5 41.3

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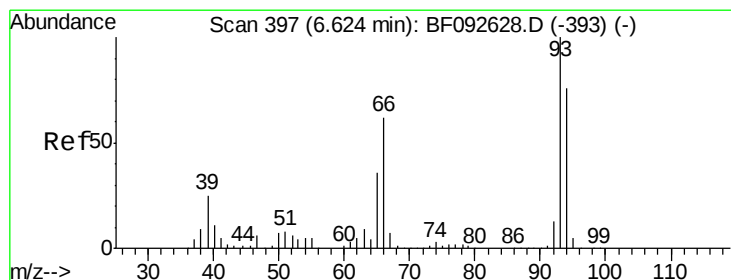
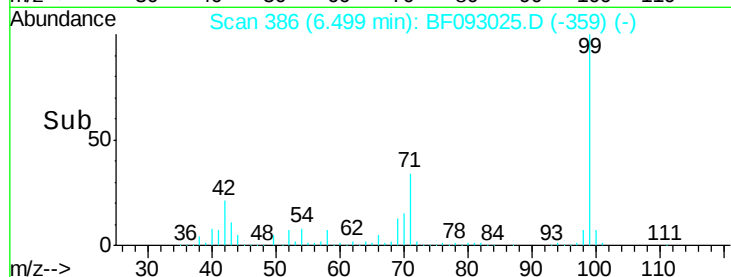
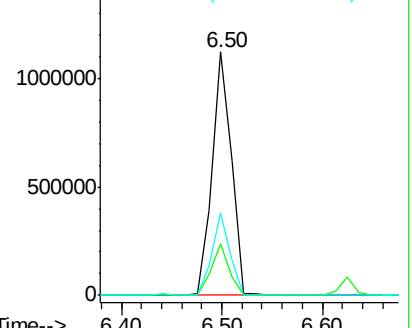
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.14 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF093025.D

Acq: 17 Feb 2017 21:59

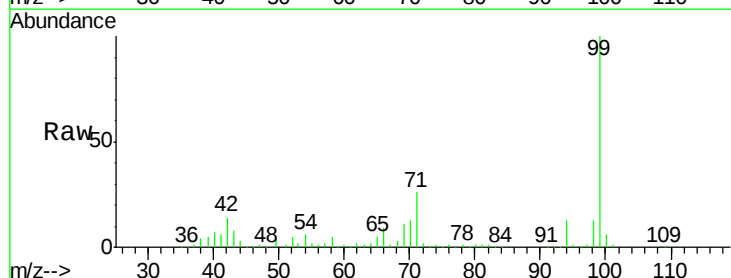
Tgt Ion: 94 Resp: 89836

Ion Ratio Lower Upper

94 100

65 36.9 21.4 61.4

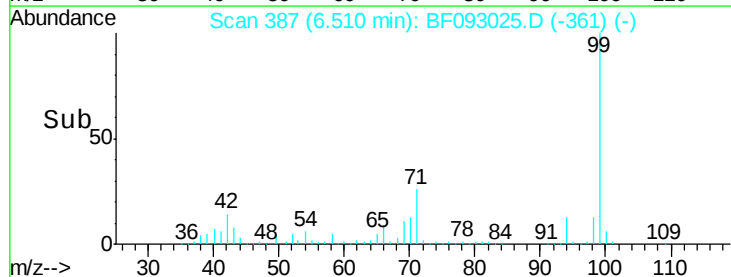
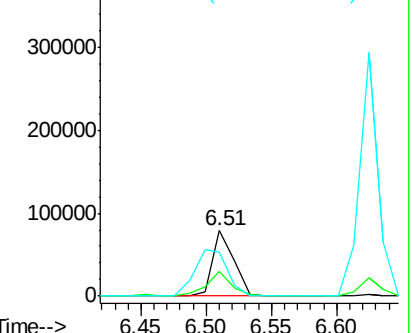
66 67.8 44.0 84.0

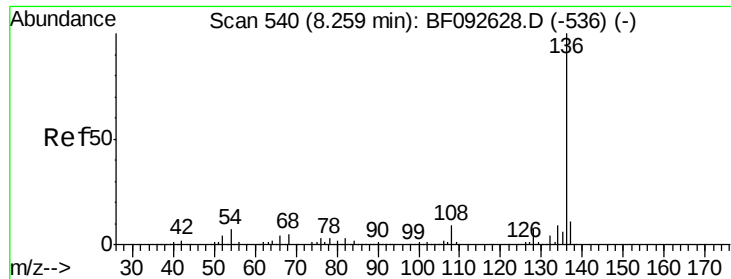


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





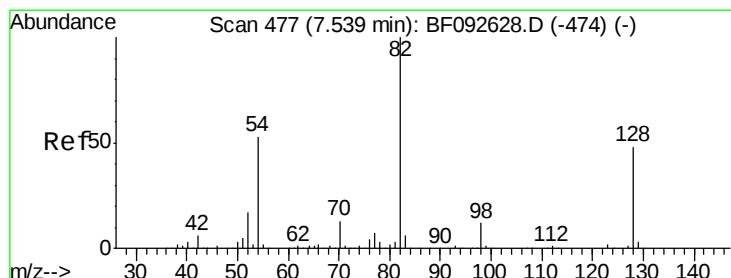
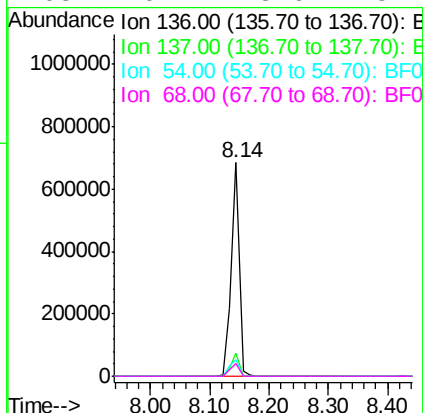
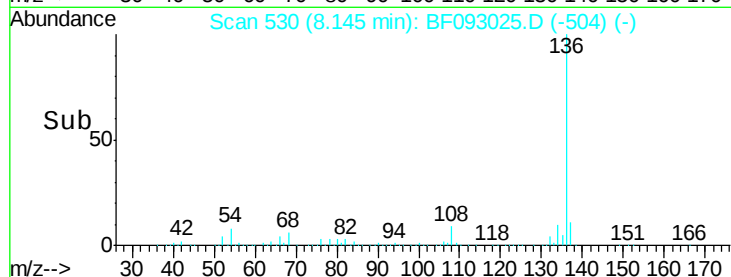
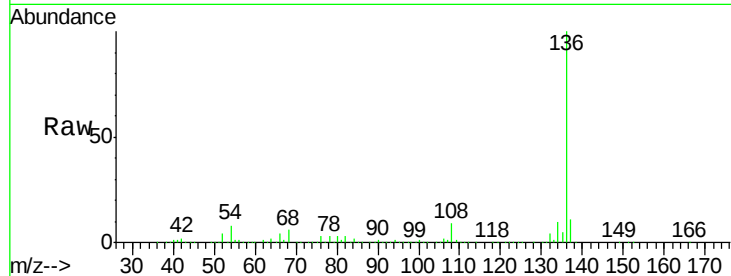
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	639417		
137	10.7	8.4	12.6	
54	8.0	4.5	6.7#	
68	6.2	3.6	5.4#	

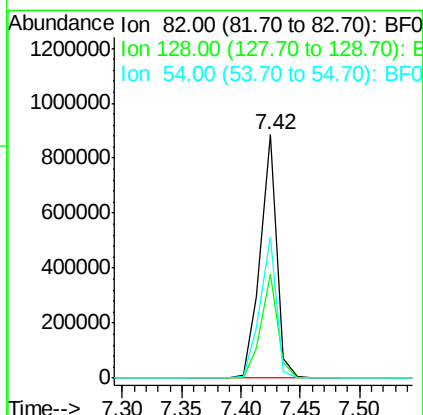
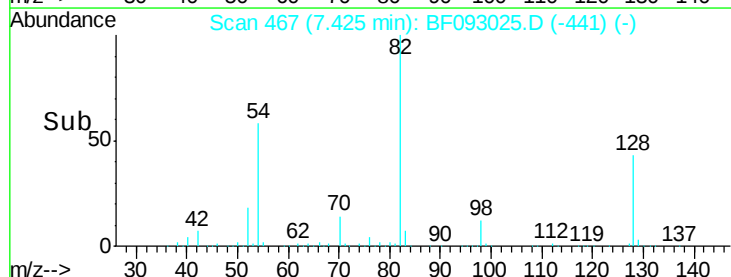
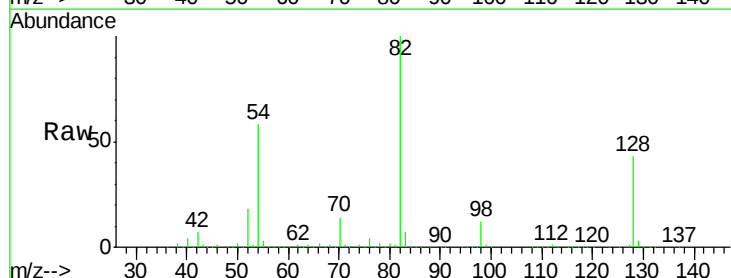
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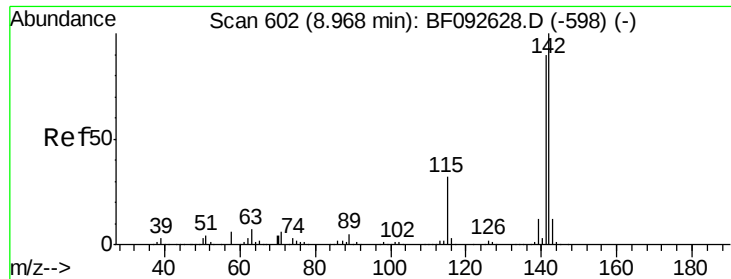
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#23
Nitrobenzene-d5
Concen: 75.58 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	867815		
128	42.7	34.6	52.0	
54	58.3	39.5	59.3	





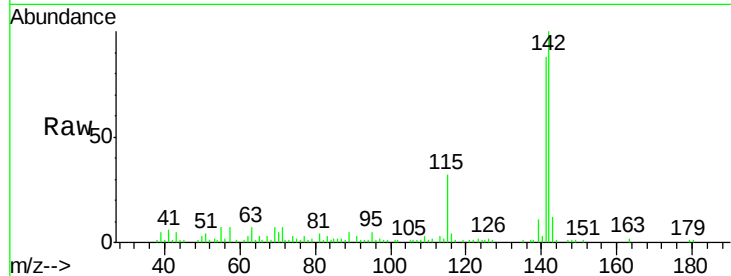
#37
2-Methylnaphthalene
Concen: 2.30 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.0	106.6
115	31.6	28.3	42.5

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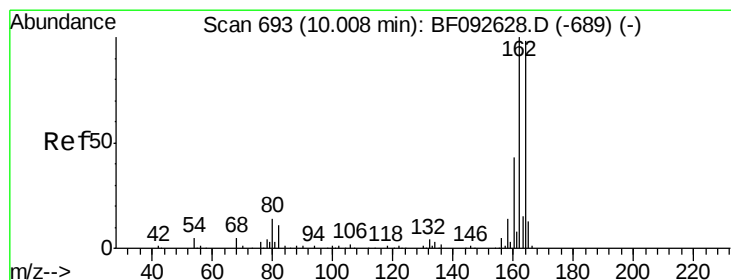
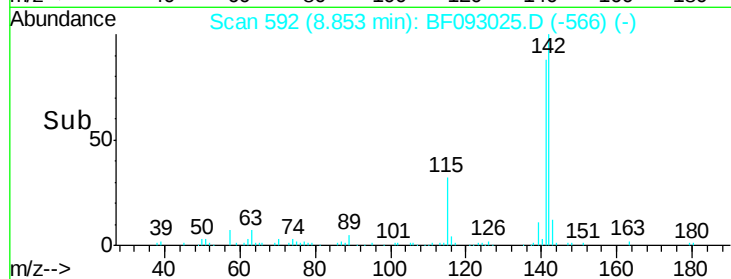
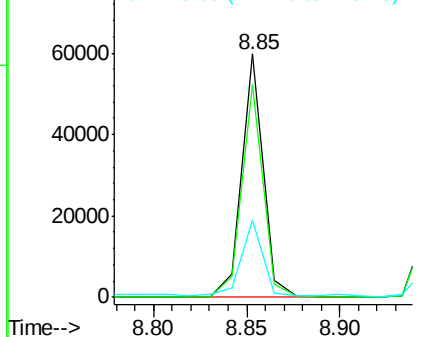


Abundance

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: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

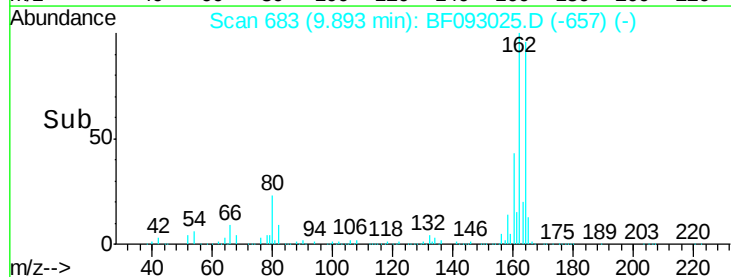
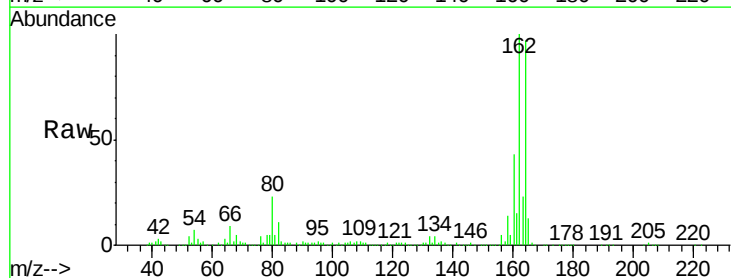
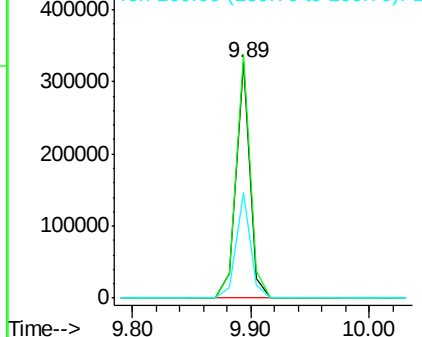
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	80.2	120.2
160	44.6	36.9	55.3

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





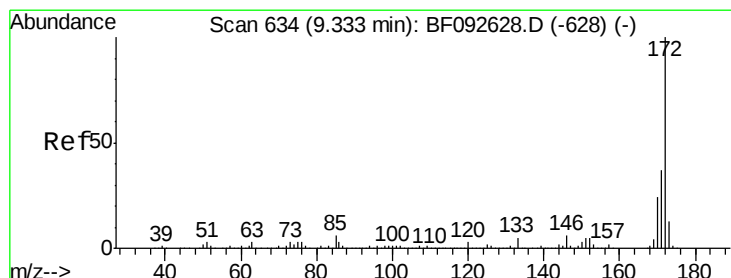
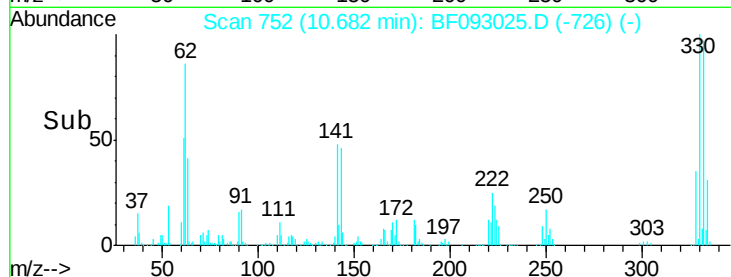
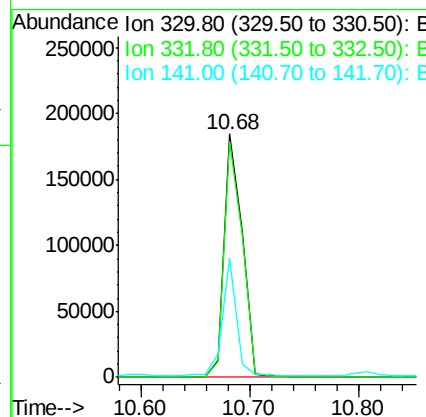
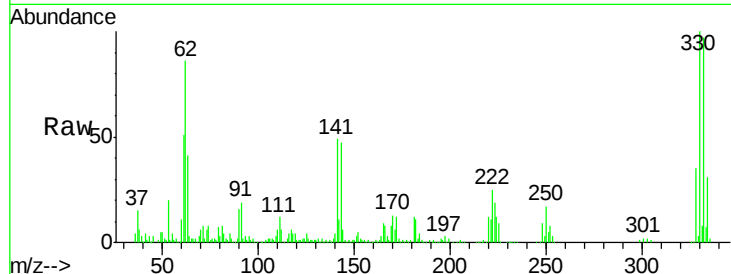
#41
 2,4,6-Tribromophenol
 Concen: 111.19 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	215069		
332	97.4		77.4	116.2
141	39.1		34.1	51.1

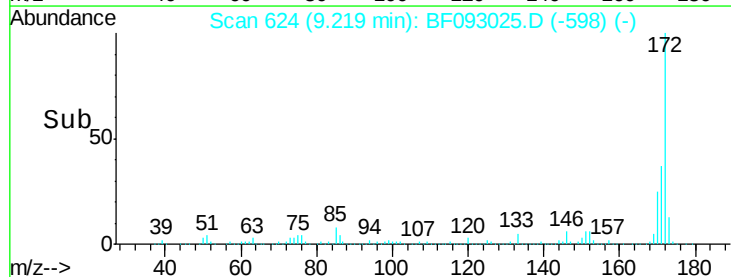
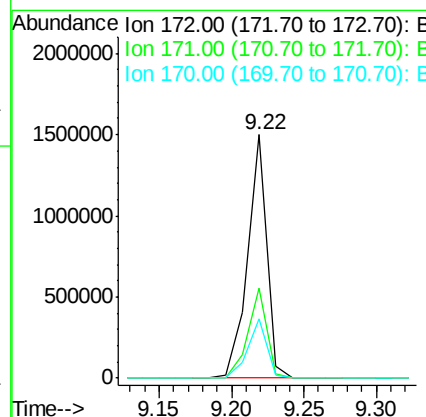
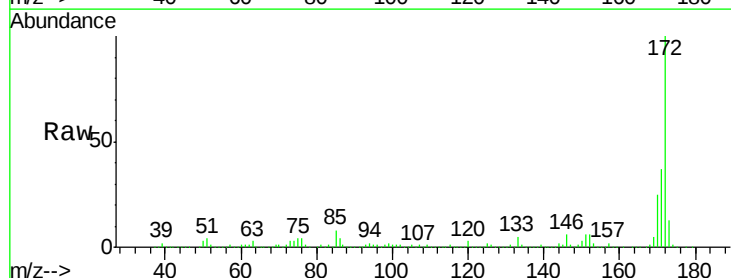
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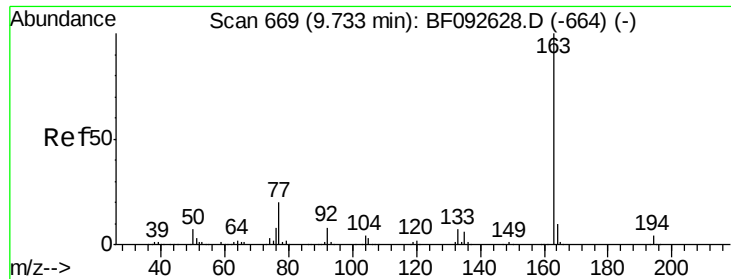
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#44
 2-Fluorobiphenyl
 Concen: 93.13 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.00 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1374718		
171	37.0		29.4	44.0
170	24.5		20.2	30.4





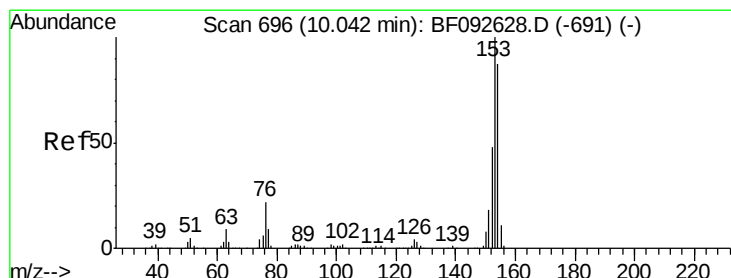
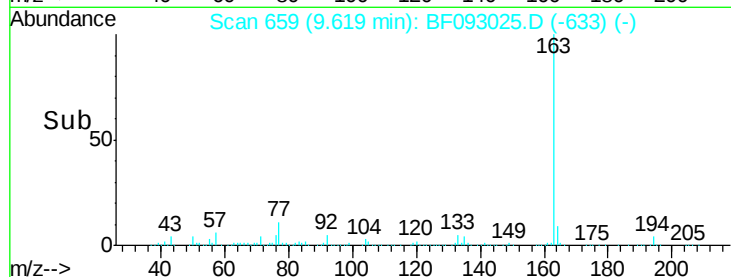
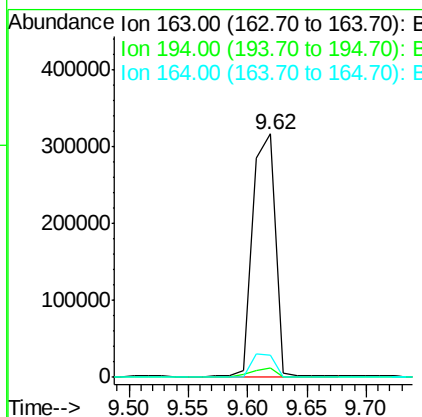
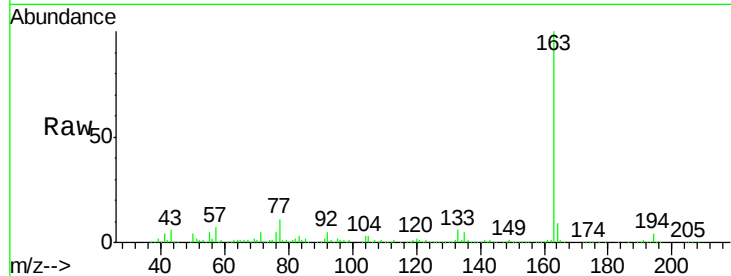
#49
Dimethylphthalate
Concen: 23.51 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	423548		
194	4.0		3.0	4.4
164	9.3		8.0	12.0

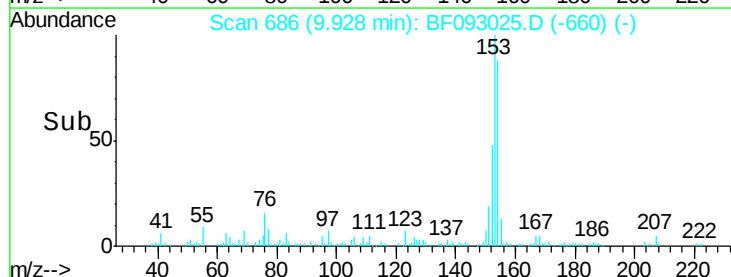
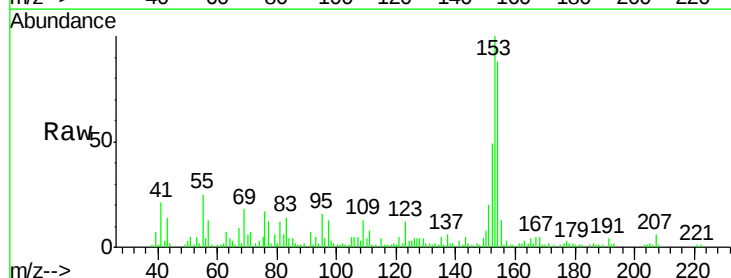
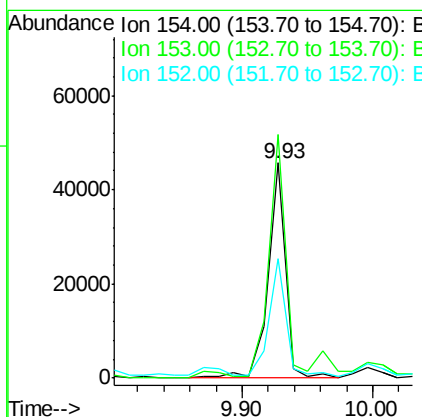
Manual Integrations
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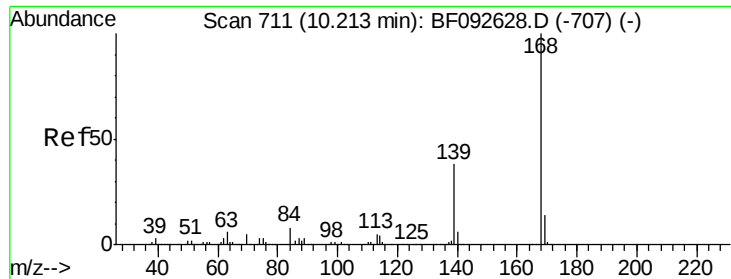
mohammad
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#51
Acenaphthene
Concen: 2.73 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42737		
153	113.1		88.6	133.0
152	55.3		41.6	62.4





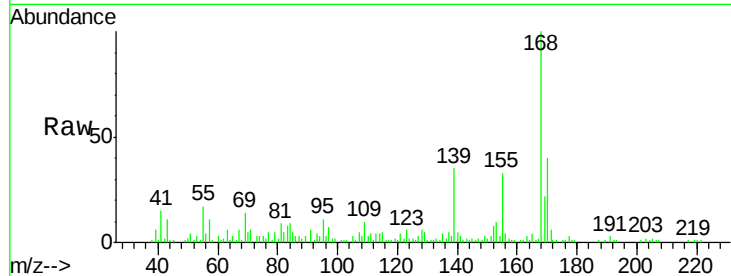
#54
Dibenzenofuran
Concen: 2.53 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

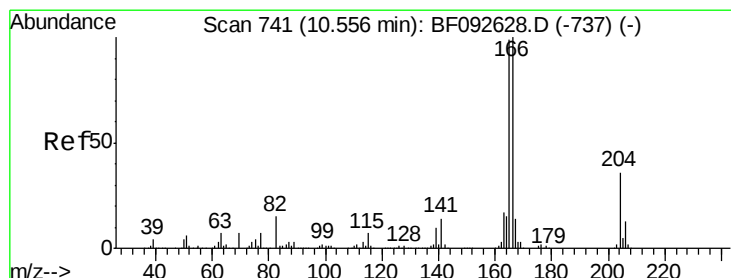
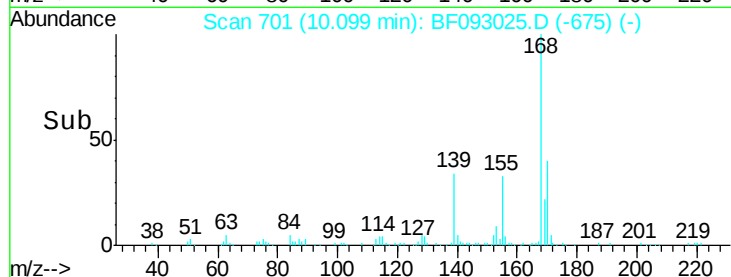
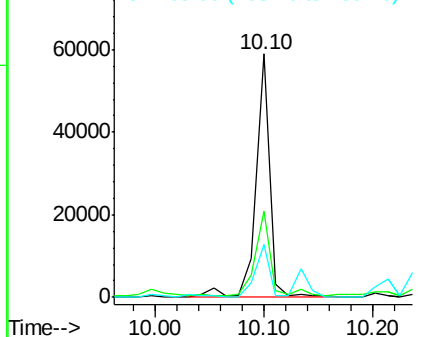
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	52902		
139	35.2		32.6	49.0
169	21.5		11.3	16.9#

Manual Integrations
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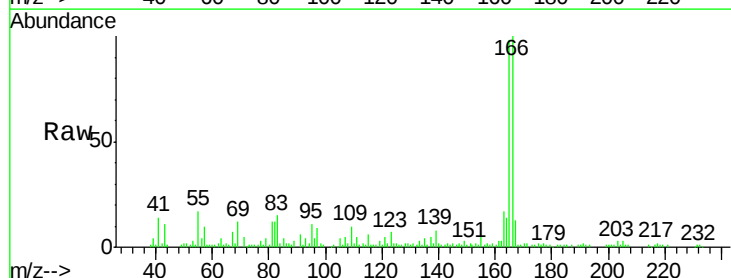


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

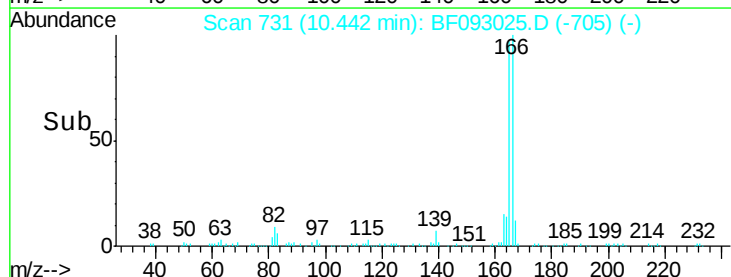
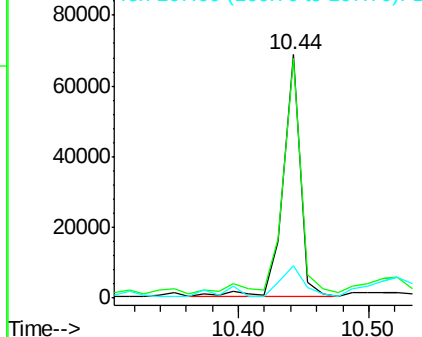


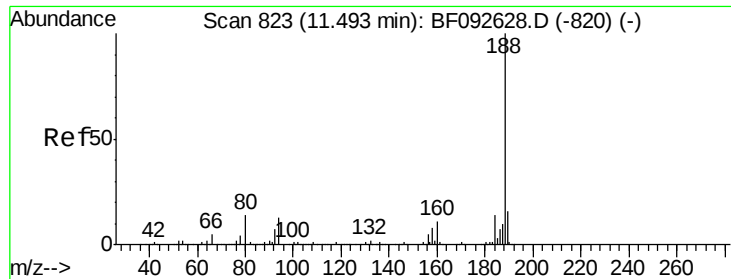
#57
Fluorene
Concen: 3.94 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	63487		
165	98.3		77.8	116.8
167	13.1		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





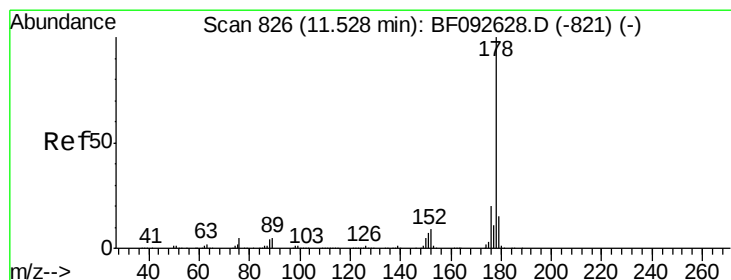
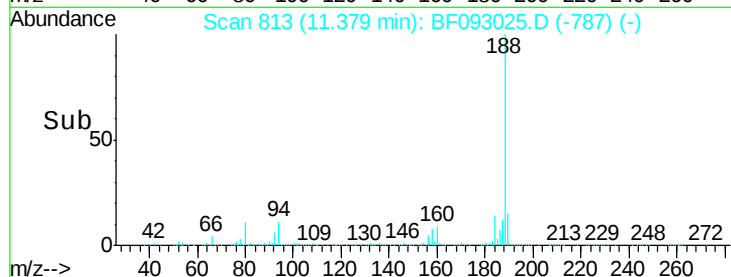
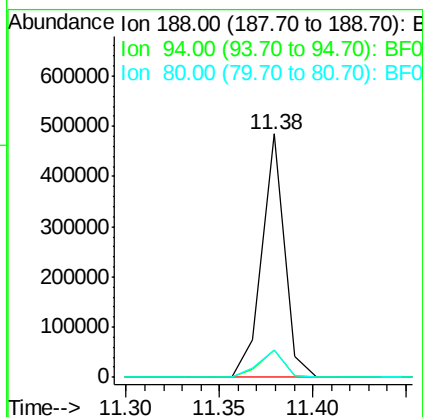
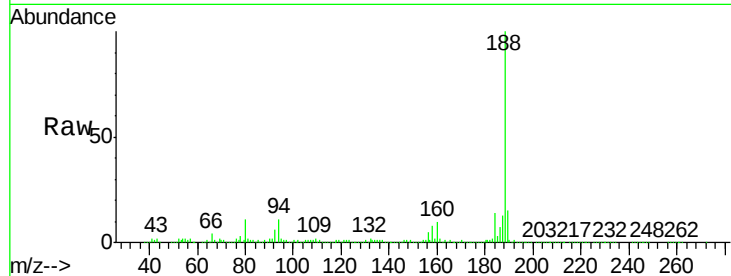
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	413924		
94	11.1	10.0	15.0	
80	11.3	11.2	16.8	

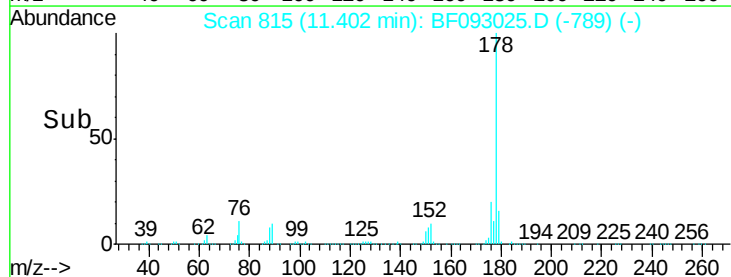
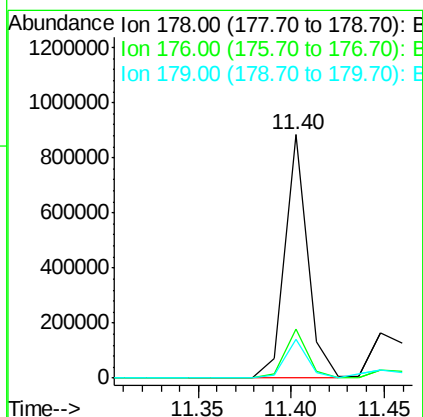
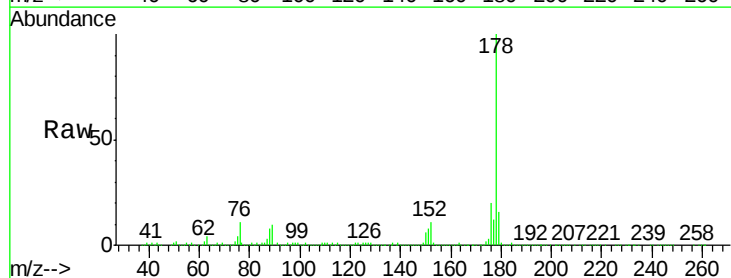
Manual Integrations
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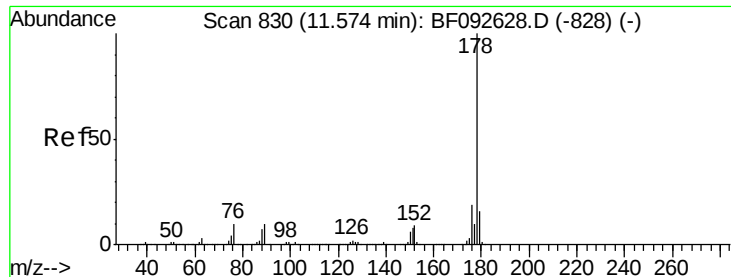
mohammad
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#70
Phenanthrene
Concen: 31.50 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	747008		
176	20.0	16.6	25.0	
179	15.8	12.8	19.2	





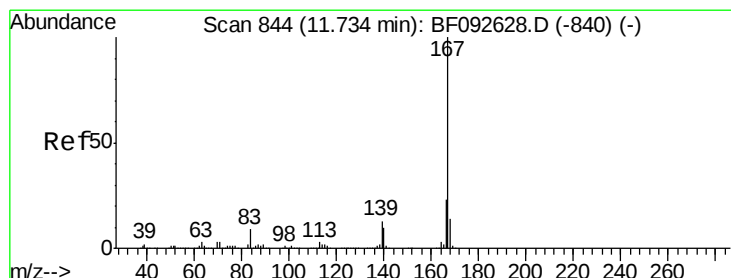
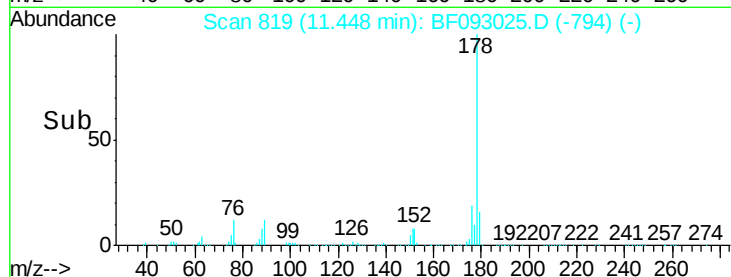
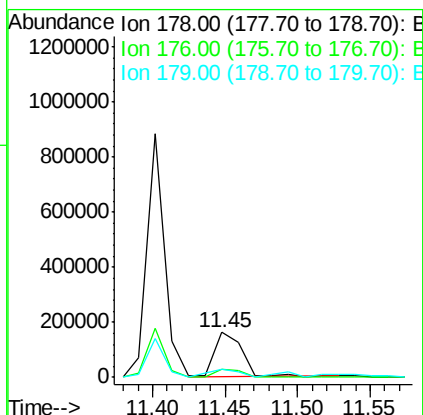
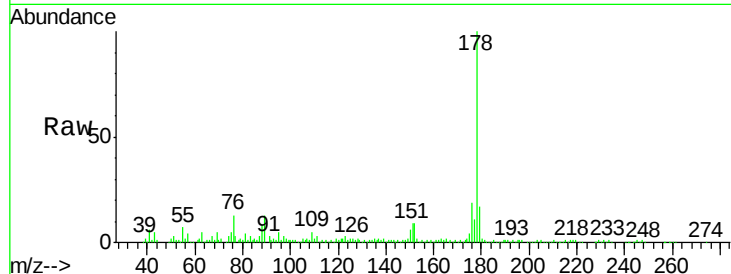
#71
 Anthracene
 Concen: 8.63 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	16.6	13.2	19.8

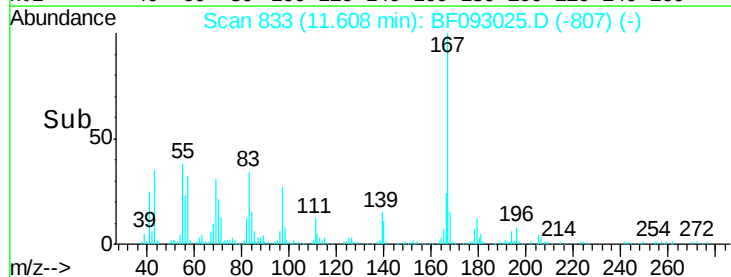
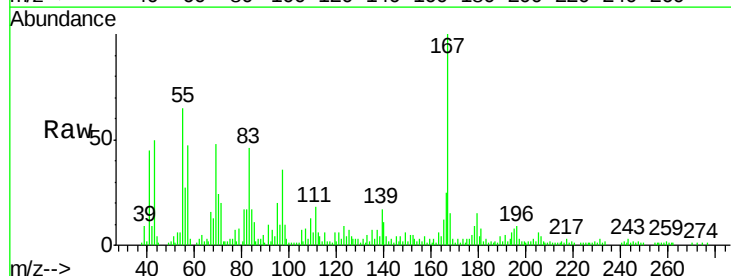
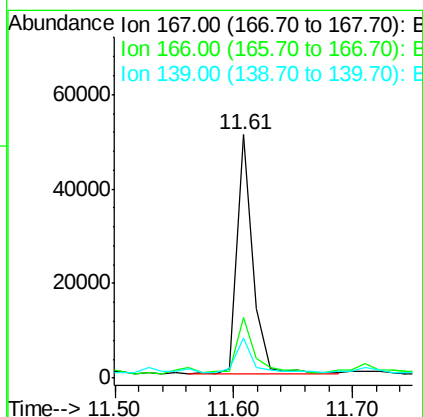
Manual Integrations
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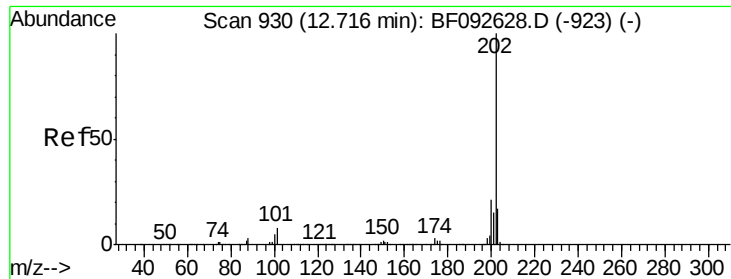
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#72
 Carbazole
 Concen: 2.09 ng
 RT: 11.61 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.7	18.2	27.2
139	16.7	11.4	17.2





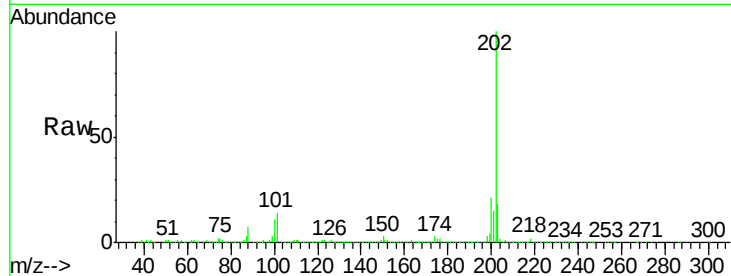
#74
Fluoranthene
Concen: 36.83 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

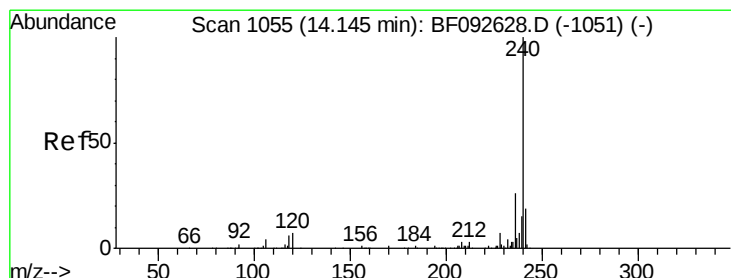
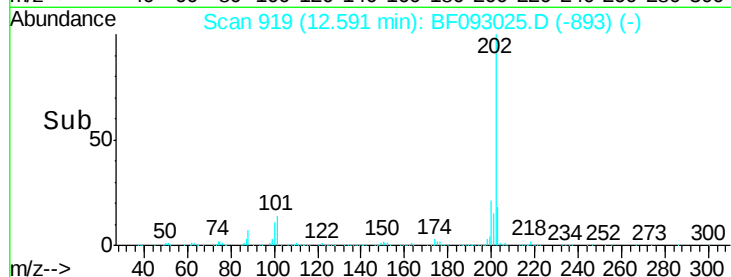
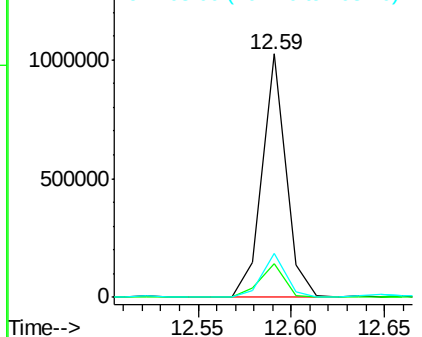
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.0	0.0	34.6
203	17.8	0.0	38.7

Manual Integrations
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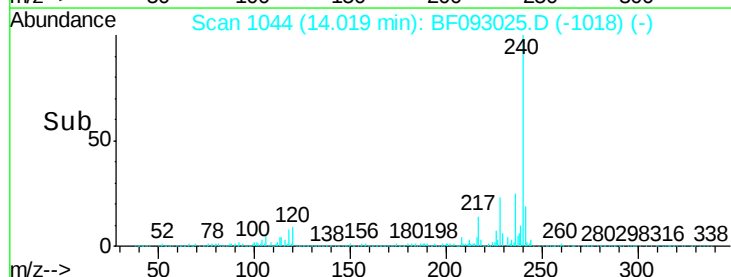
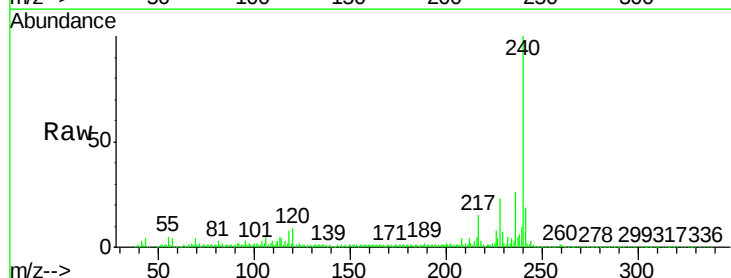
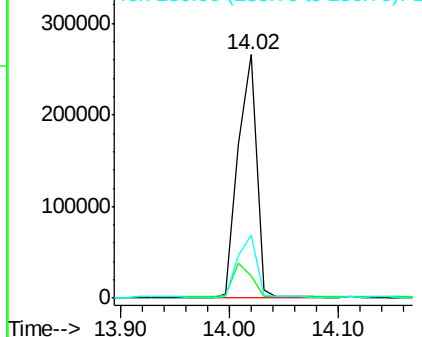
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

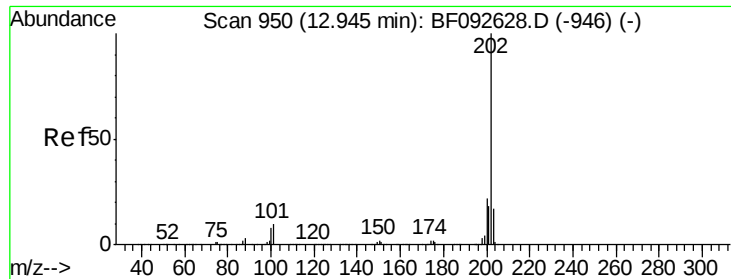


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.0	12.9	19.3#
236	25.8	20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





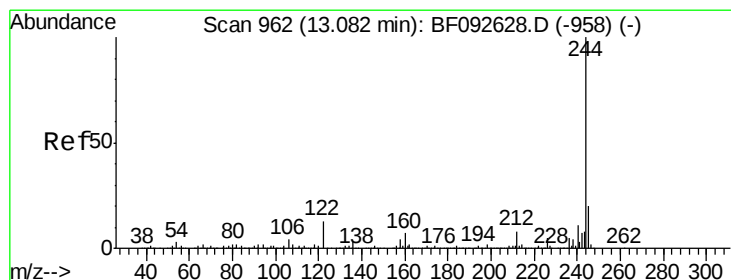
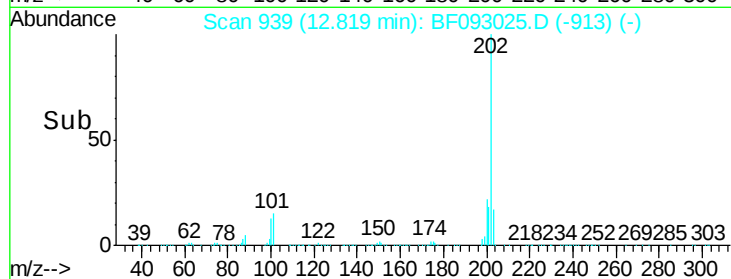
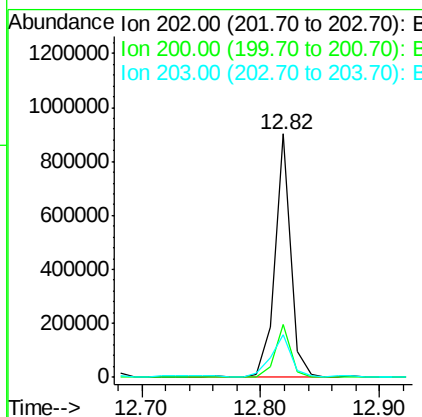
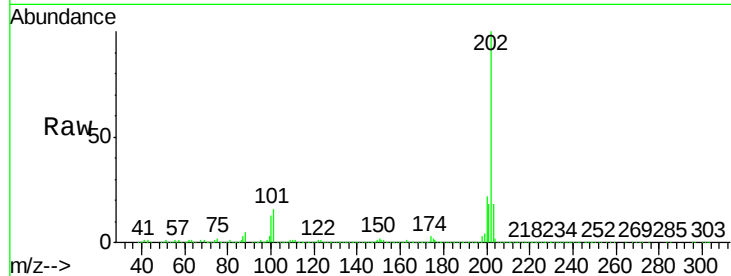
#77
 Pyrene
 Concen: 35.70 ng
 RT: 12.82 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	826811		
200	21.8		17.7	26.5
203	17.6		14.7	22.1

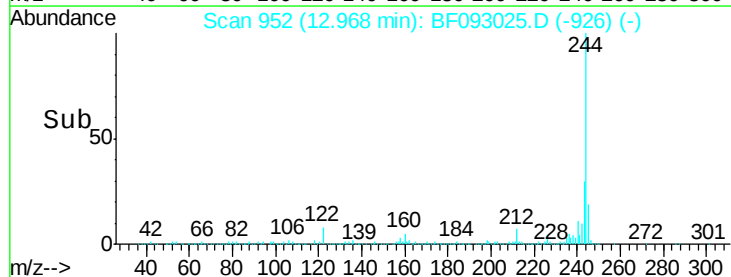
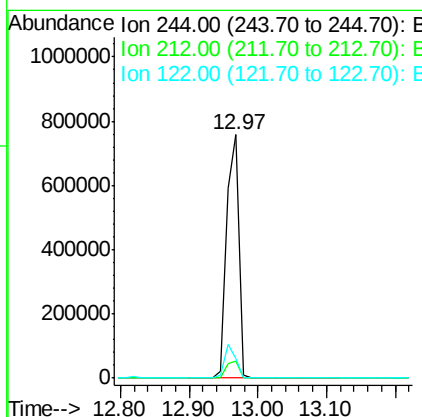
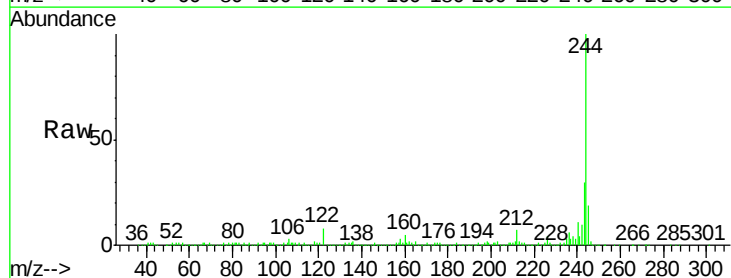
Manual Integrations
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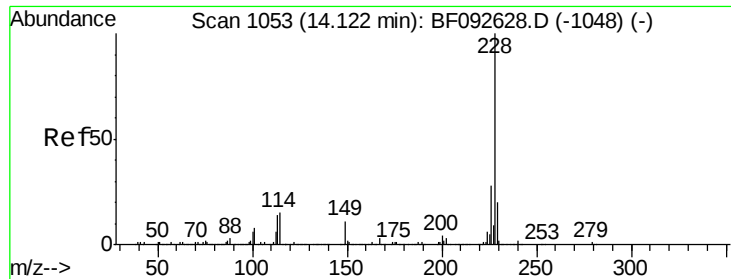
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#78
 Terphenyl-d14
 Concen: 72.51 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF093025.D
 Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	955110		
212	7.1		6.2	9.2
122	8.1		11.4	17.2#





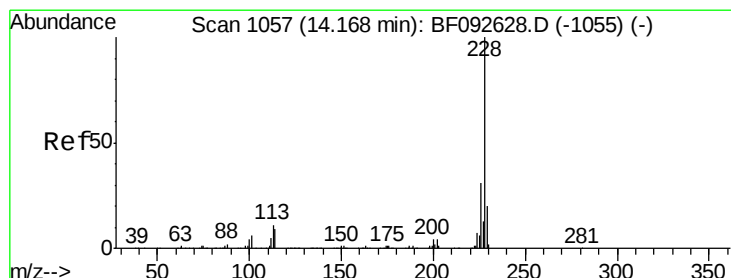
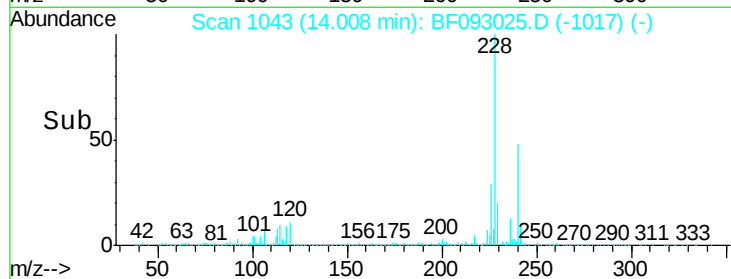
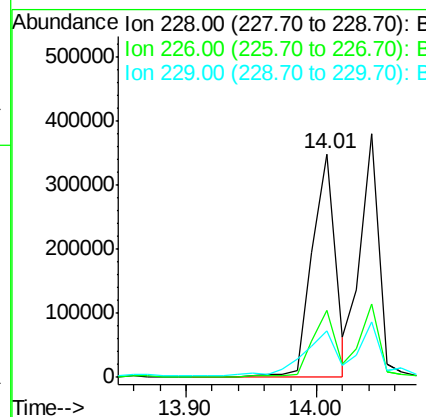
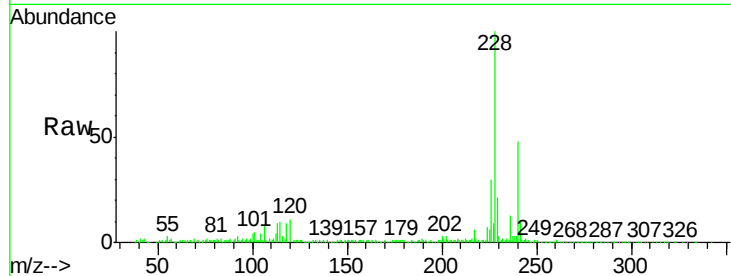
#80
Benzo(a)anthracene
Concen: 22.51 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.4	33.6
229	20.8	16.2	24.4

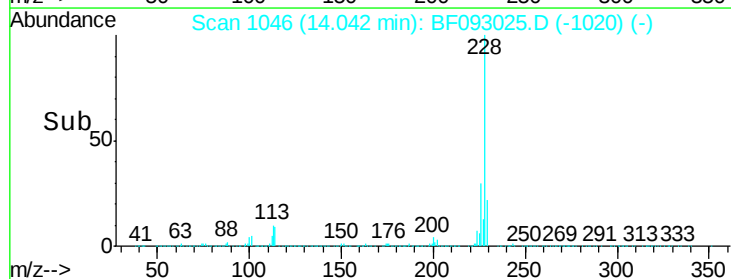
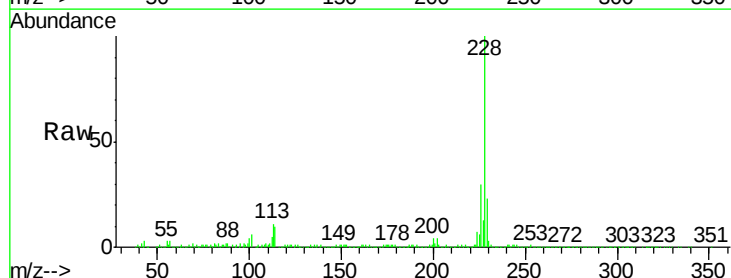
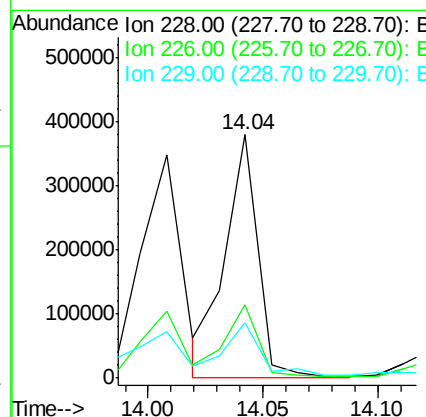
Manual Integrations
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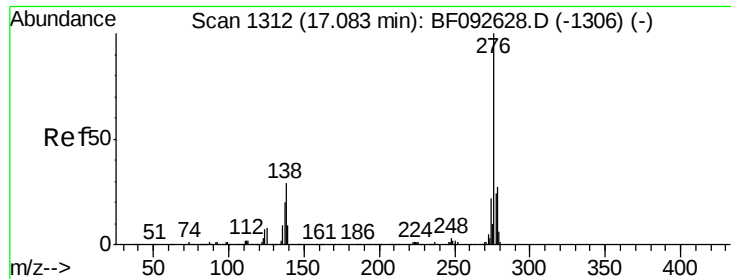
mohammad
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#82
Chrysene
Concen: 21.36 ng m
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	22.7	16.2	24.2





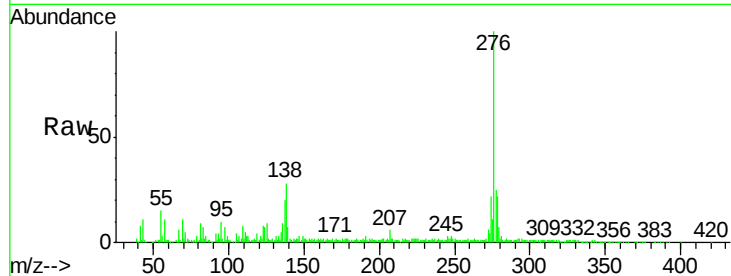
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.42 ng
RT: 16.87 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

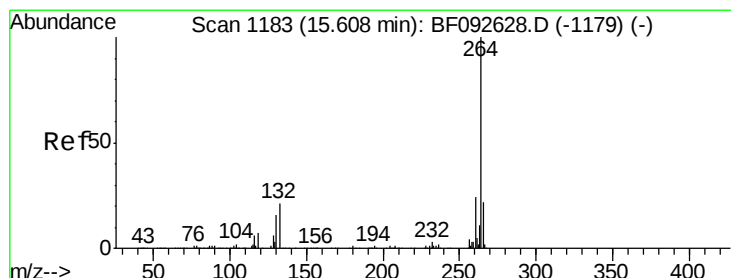
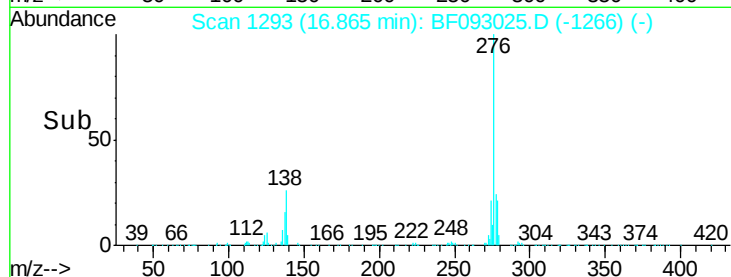
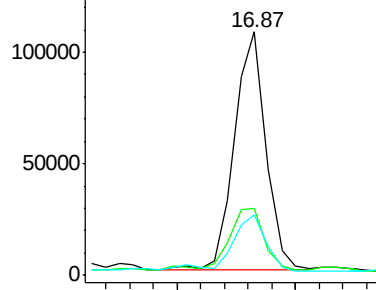
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	197904		
138	29.6	21.8	32.6	
277	27.6	20.2	30.4	

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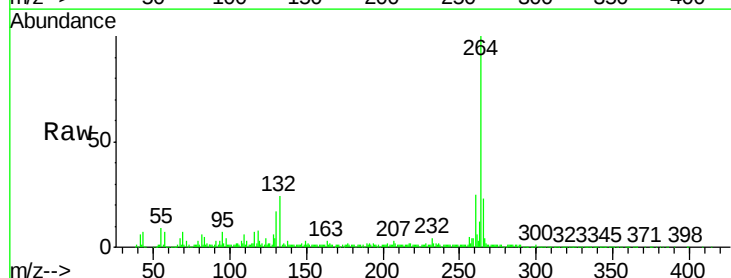


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

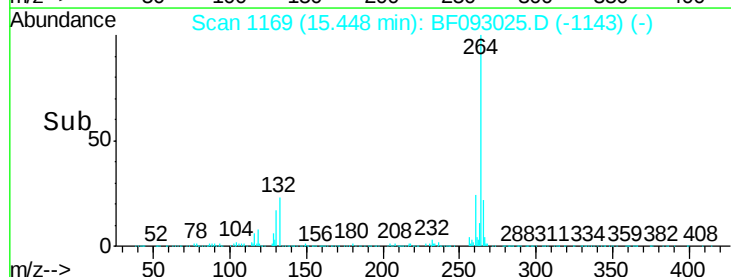
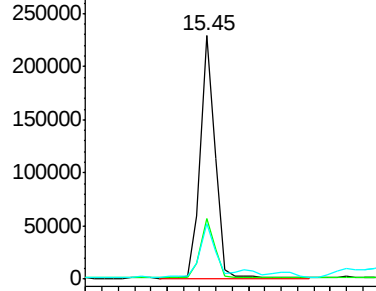


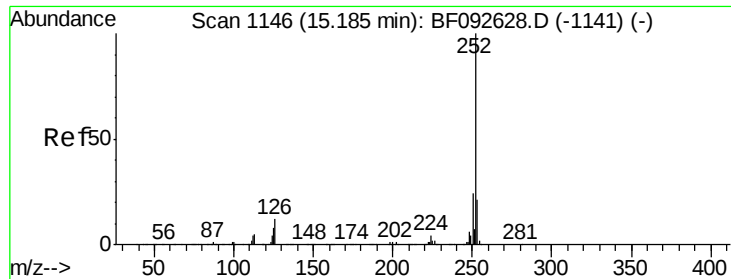
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	288340		
260	25.1	19.2	28.8	
265	22.6	17.4	26.0	



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 23.36 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093025.D

Acq: 17 Feb 2017 21:59

Instrument :

BNA_F

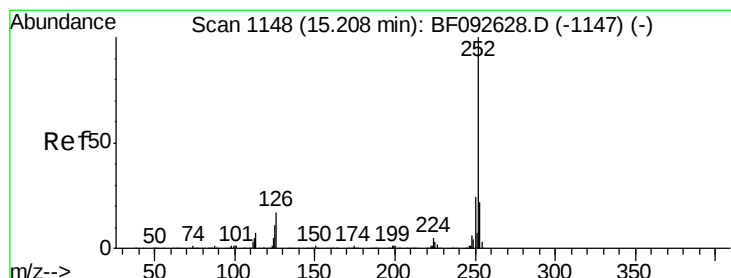
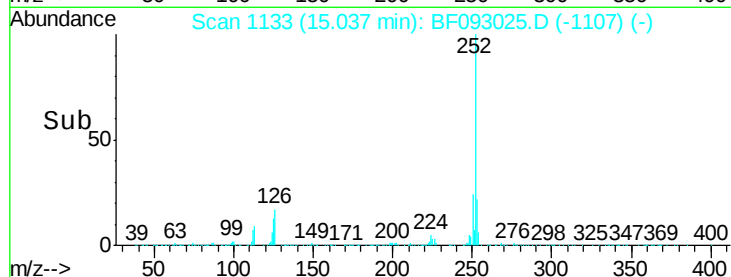
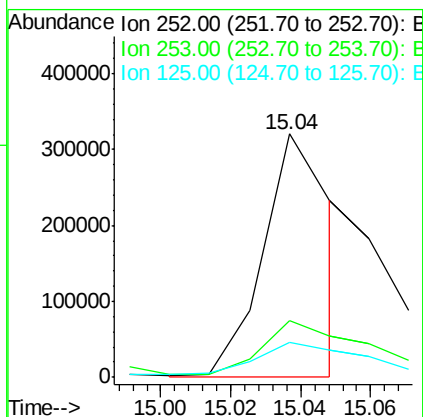
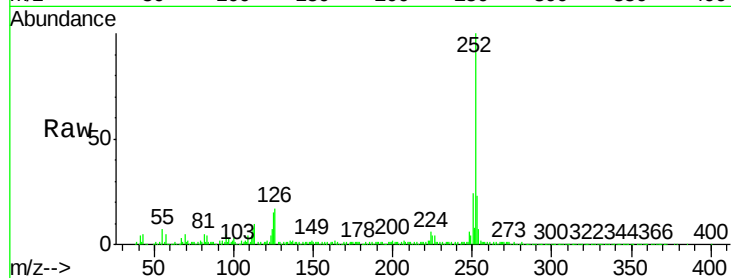
ClientSampleId :

PIT-D-COMP

Tgt Ion:	252	Resp:	443393
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.4
125	14.6	9.8	14.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 11.88 ng m

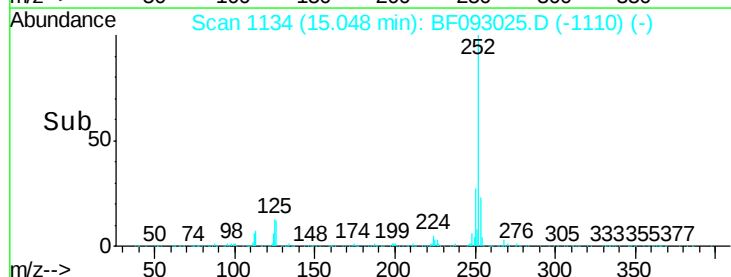
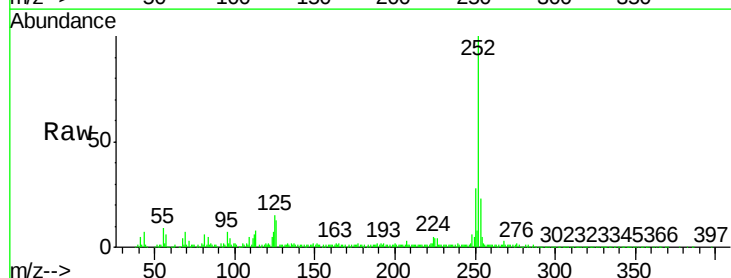
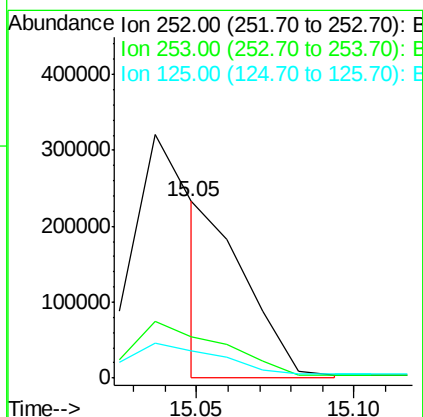
RT: 15.05 min Scan# 1134

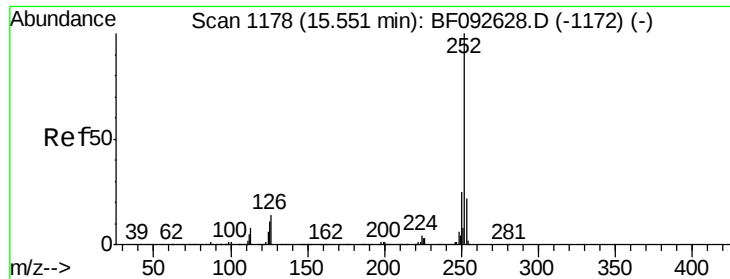
Delta R.T. -0.02 min

Lab File: BF093025.D

Acq: 17 Feb 2017 21:59

Tgt Ion:	252	Resp:	194616
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.5	27.7
125	15.1	8.9	13.3#





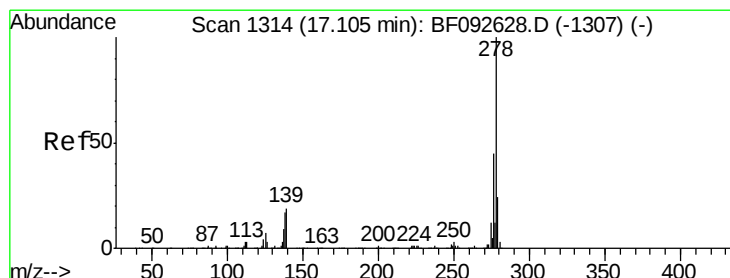
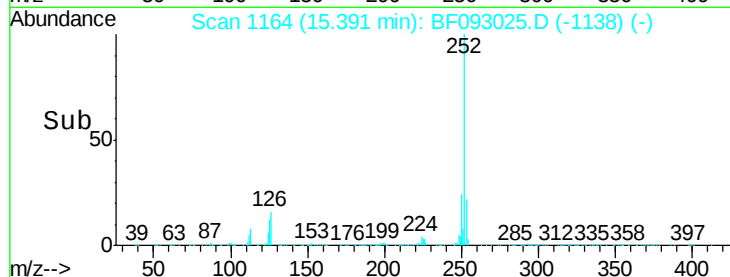
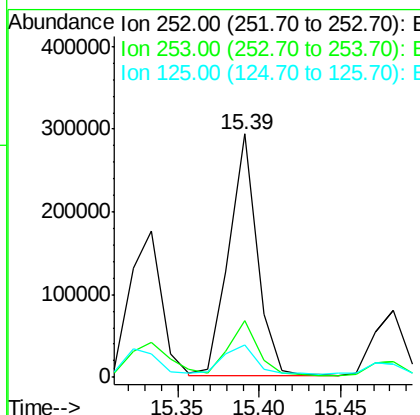
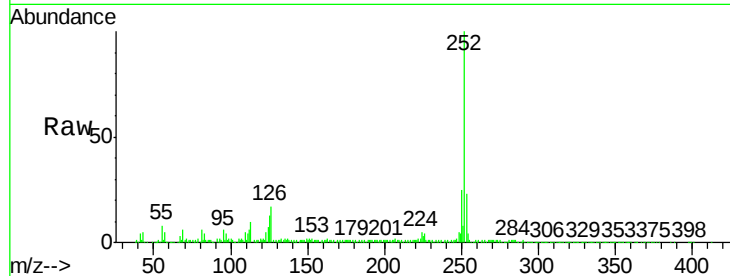
#89
Benzo(a)pyrene
Concen: 21.20 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	18.2	27.2
125	13.2	10.0	15.0

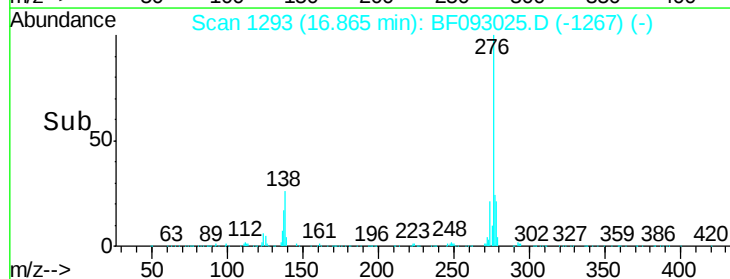
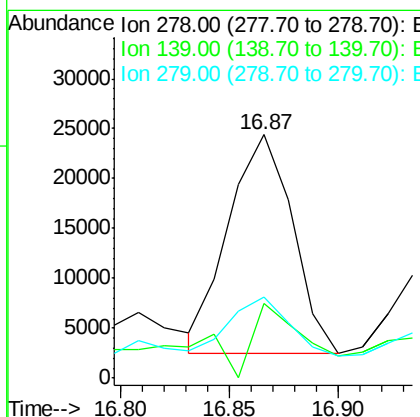
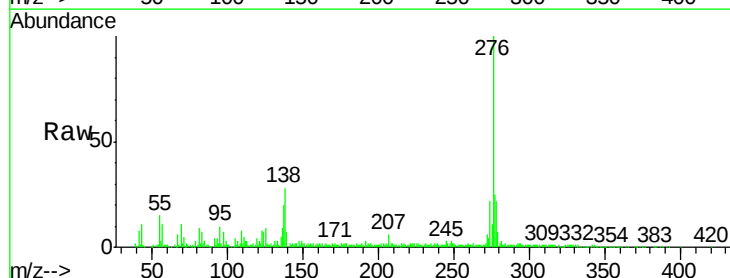
Manual Integrations
APPROVED

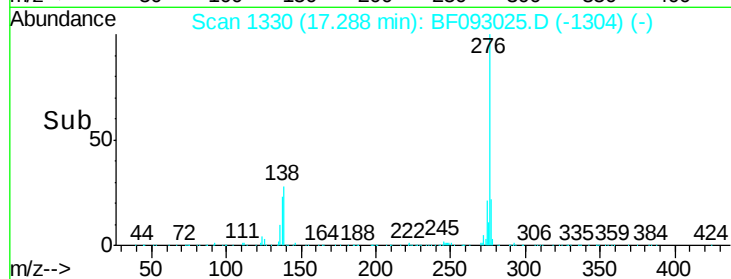
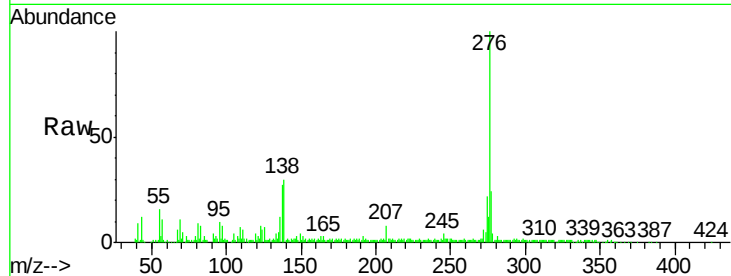
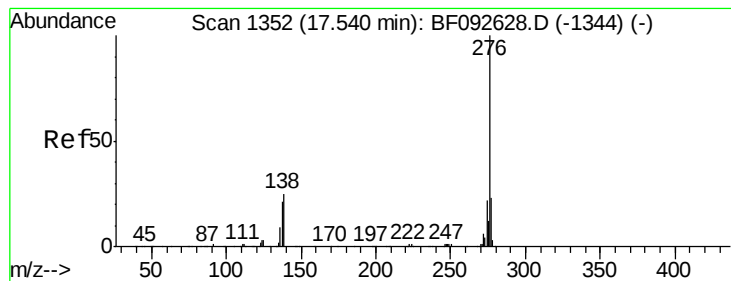
mohammad
2/20/2017 1:00:08 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.38 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BF093025.D
Acq: 17 Feb 2017 21:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	30.9	14.8	22.2#
279	33.3	19.8	29.6#





#91

Benzo(g,h,i)perylene

Concen: 14.44 ng

RT: 17.29 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BF093025.D

Acq: 17 Feb 2017 21:59

Instrument :

BNA_F

ClientSampleId :

PIT-D-COMP

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		193614		
277	24.1	19.2	28.8		
138	29.5	16.0	24.0		

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:08 PM

