

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092896.D
 Acq On : 10 Feb 2017 21:18
 Operator : SJ/MA
 Sample : I1772-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-FD

Manual Integrations
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Quant Time: Feb 11 00:16:33 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 23:31:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	152249	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	403709	20.00	ng	0.01
38) Acenaphthene-d10	9.96	164	241931	20.00	ng	0.02
63) Phenanthrene-d10	11.45	188	377093	20.00	ng	0.02
75) Chrysene-d12	14.07	240	463363	20.00	ng	0.00
86) Perylene-d12	15.51	264	371616	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	317854	35.82	ng	0.01
7) Phenol-d6	6.53	99	278491	24.39	ng	0.00
23) Nitrobenzene-d5	7.48	82	683462	94.28	ng	0.01
41) 2,4,6-Tribromophenol	10.76	330	156319	89.34	ng	0.02
44) 2-Fluorobiphenyl	9.28	172	1363818	102.13	ng	0.01
78) Terphenyl-d14	13.03	244	1272826	64.54	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.92	142	636226	48.42	ng	99
51) Acenaphthene	10.00	154	204996	14.48	ng	# 76
57) Fluorene	10.51	166	400817	27.52	ng	# 87
70) Phenanthrene	11.47	178	889923	41.19	ng	# 95
74) Fluoranthene	12.65	202	252782	11.34	ng	90
77) Pyrene	12.88	202	372713	10.75	ng	96
80) Benzo(a)anthracene	14.05	228	57172m	2.02	ng	
82) Chrysene	14.09	228	53533m	2.02	ng	

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

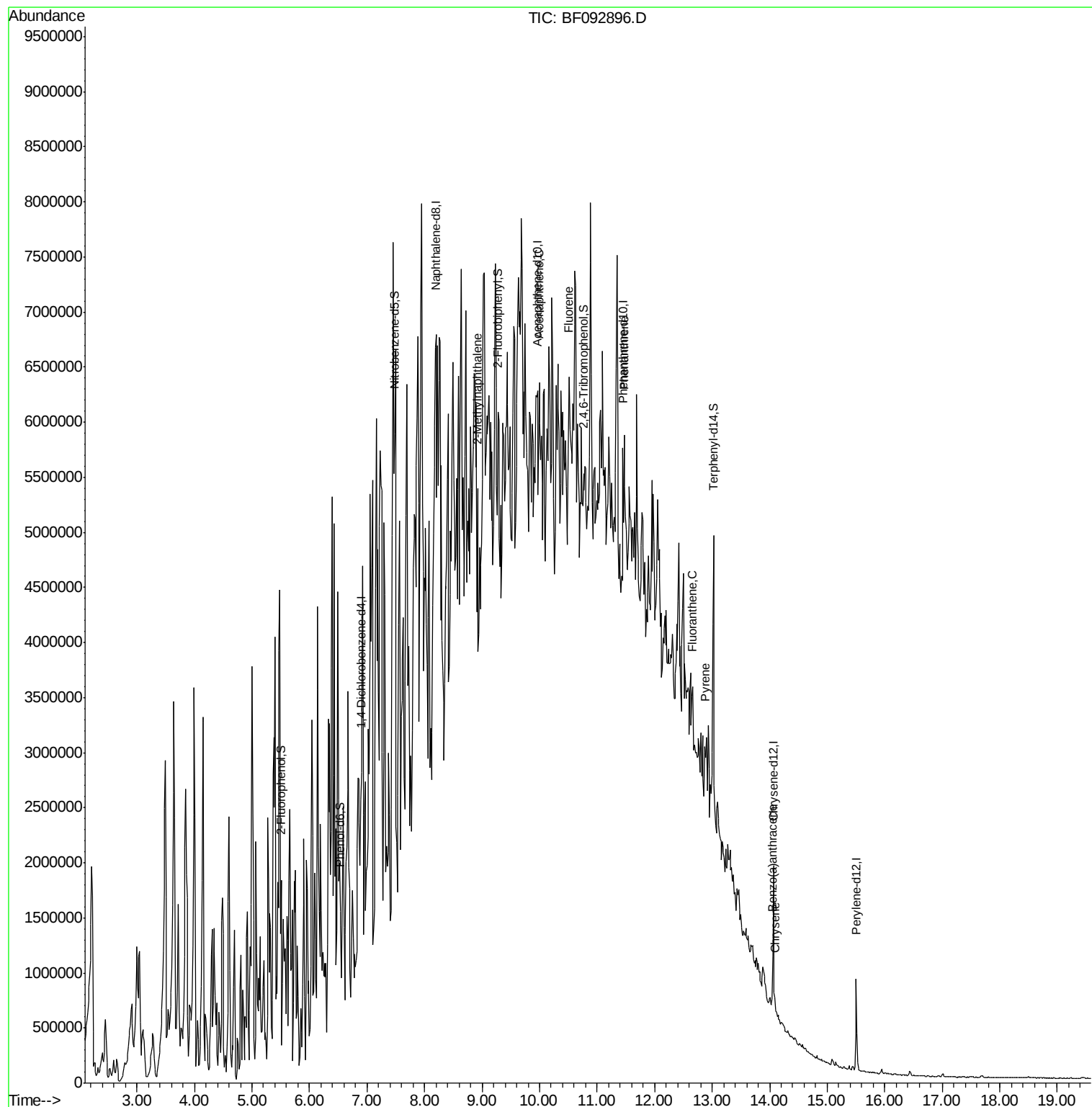
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
Data File : BF092896.D
Acq On : 10 Feb 2017 21:18
Operator : SJ/MA
Sample : I1772-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

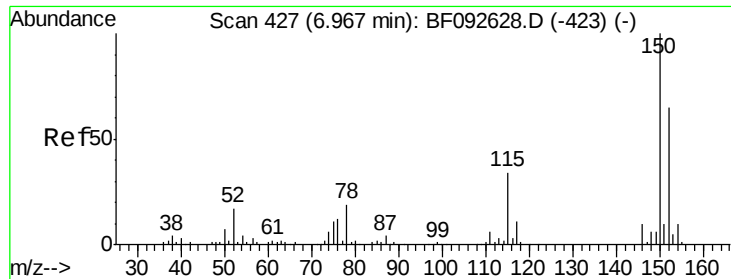
Instrument :
BNA_F
ClientSampleId :
MW-6-FD

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Quant Time: Feb 11 00:16:33 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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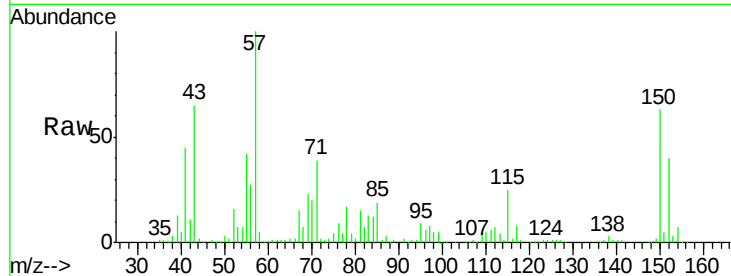




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

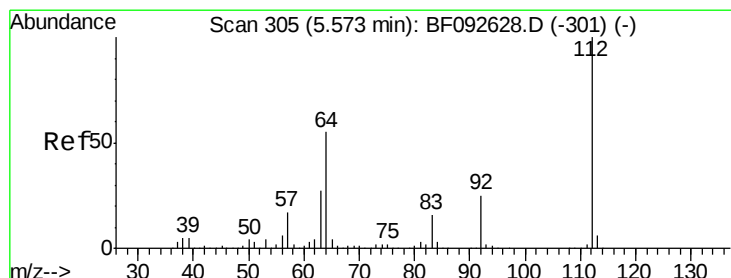
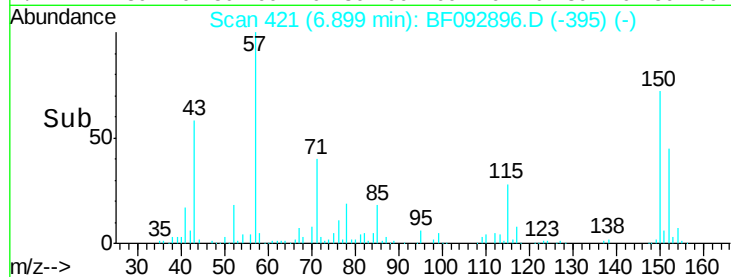
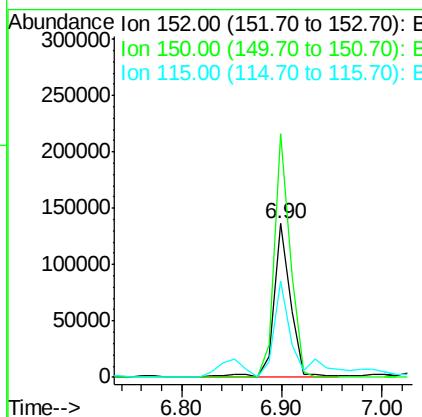
Instrument :
BNA_F
ClientSampleId :
MW-6-FD



Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.9	187.3
115	63.0	46.0	69.0

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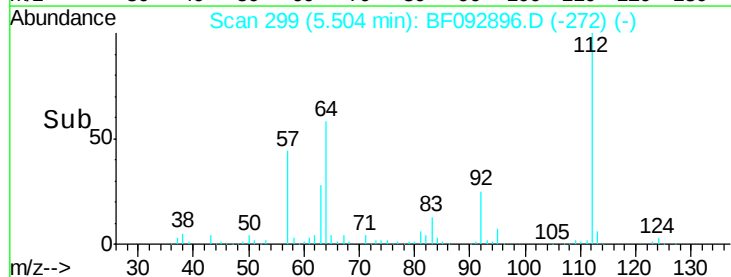
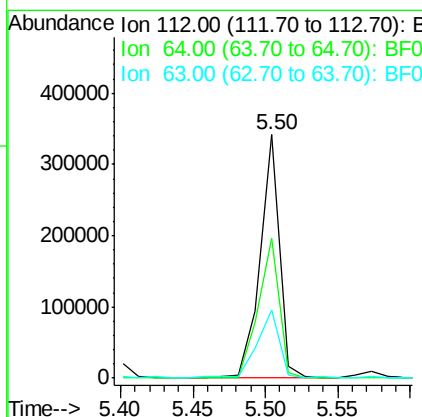
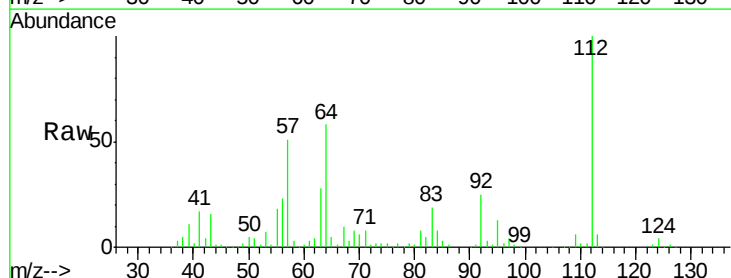
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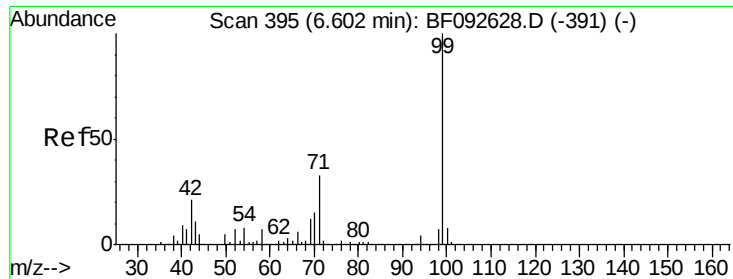


#5

2-Fluorophenol
Concen: 35.82 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.01 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.1	69.1
63	28.3	23.8	35.6





#7

Phenol-d6

Concen: 24.39 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Instrument :

BNA_F

ClientSampleId :

MW-6-FD

Tgt Ion: 99 Resp: 278491

Ion Ratio Lower Upper

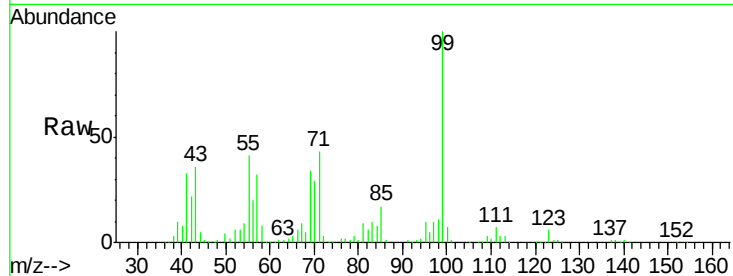
99 100

42 21.6 15.6 23.4

71 43.5 27.5 41.3#

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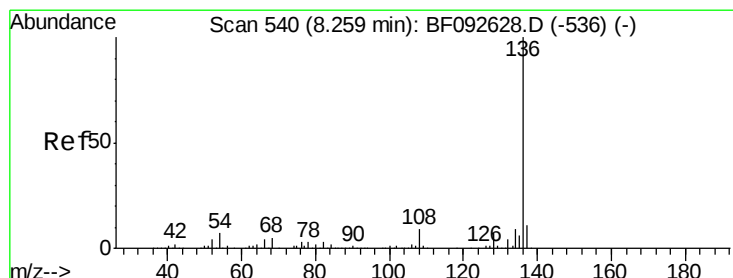
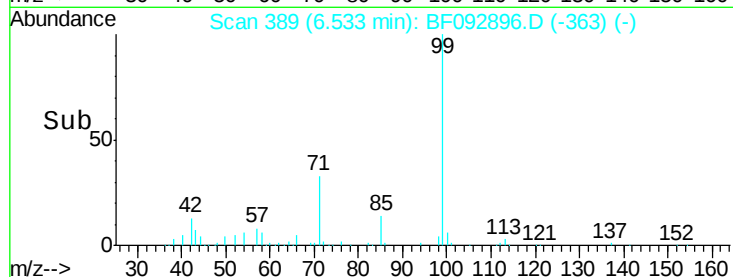
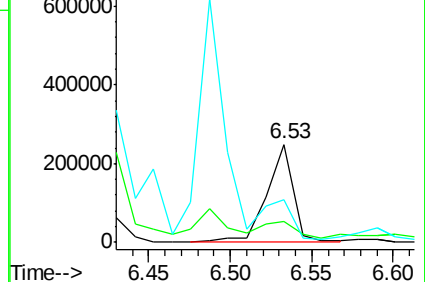
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. 0.01 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Tgt Ion: 136 Resp: 403709

Ion Ratio Lower Upper

136 100

137 13.9 8.4 12.6#

54 15.2 4.5 6.7#

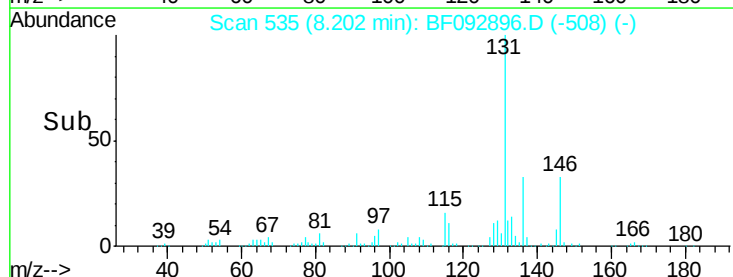
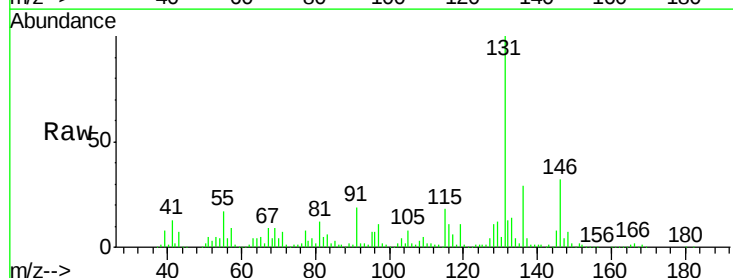
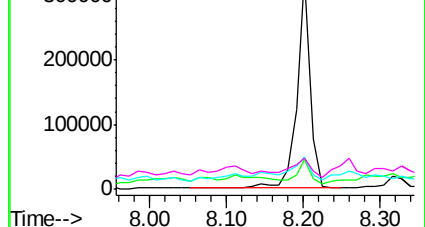
68 14.2 3.6 5.4#

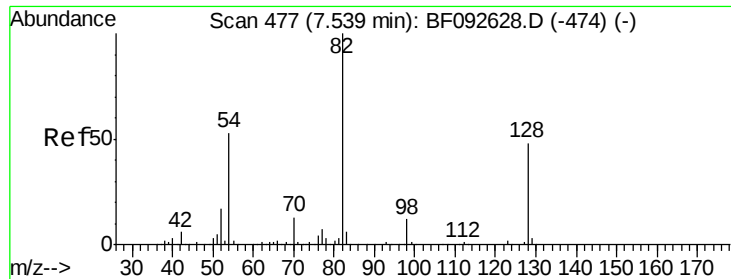
Abundance Ion 136.00 (135.70 to 136.70): E

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





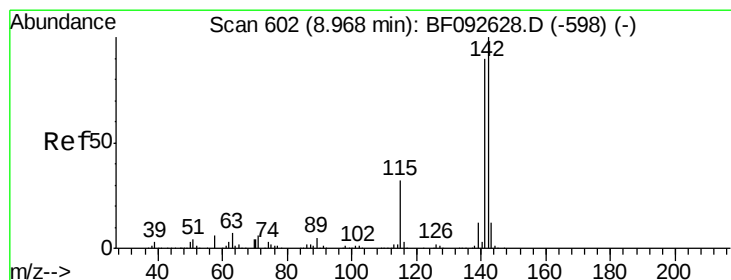
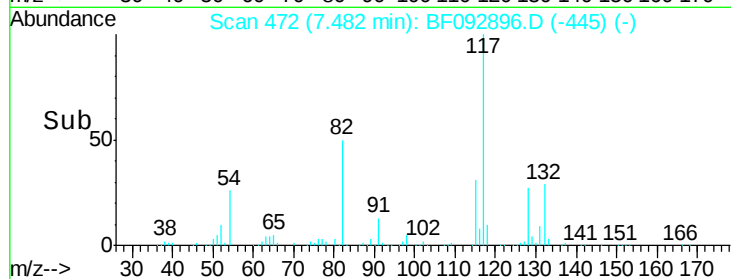
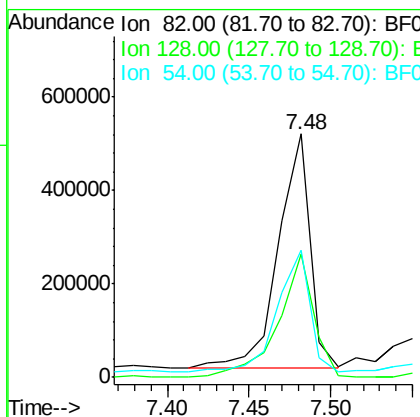
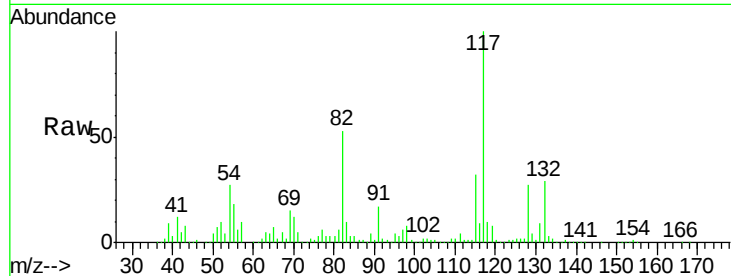
#23
 Nitrobenzene-d5
 Concen: 94.28 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: BF092896.D
 Acq: 10 Feb 2017 21:18

Instrument :
 BNA_F
 ClientSampled :
 MW-6-FD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	683462		
128	50.7	34.6	52.0	
54	52.2	39.5	59.3	

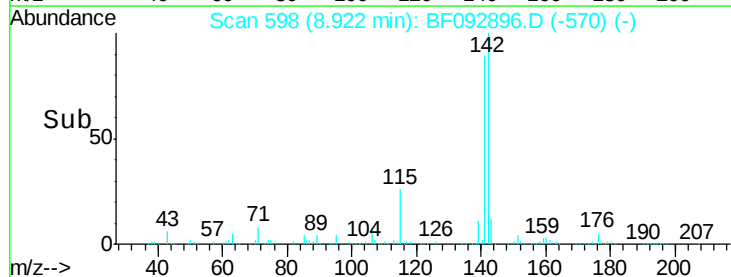
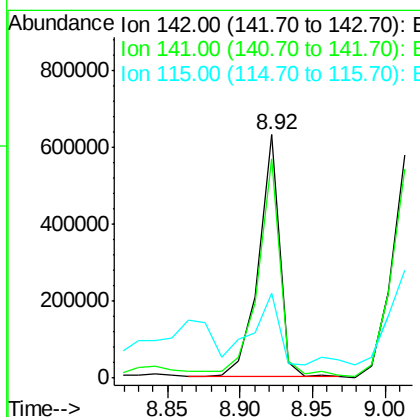
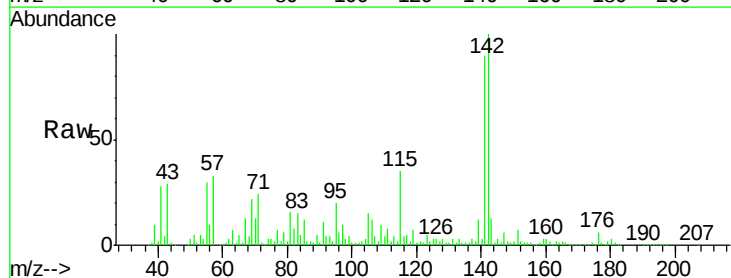
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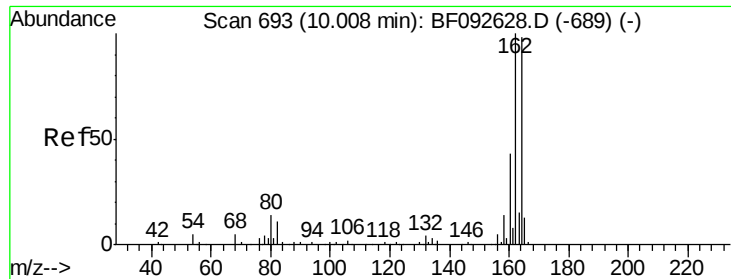
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#37
 2-Methylnaphthalene
 Concen: 48.42 ng
 RT: 8.92 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: BF092896.D
 Acq: 10 Feb 2017 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	636226		
141	90.0	71.0	106.6	
115	35.0	28.3	42.5	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.02 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Instrument :

BNA_F

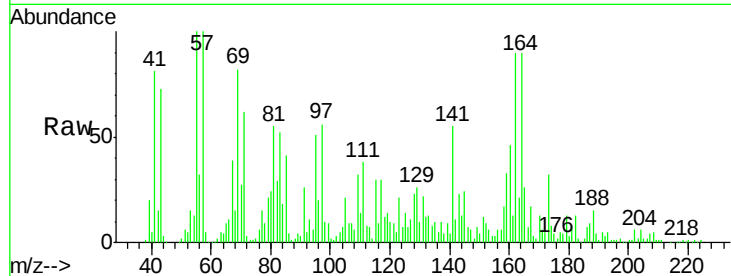
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MW-6-FD

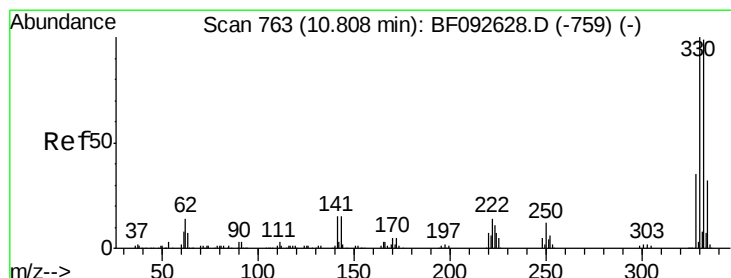
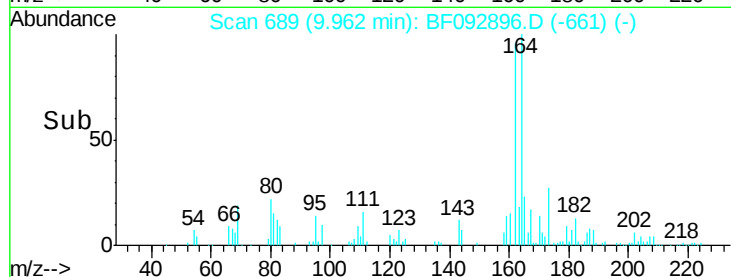
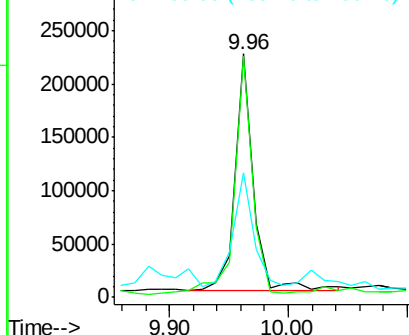
Tgt Ion:	164	Resp:	241931
Ion Ratio		Lower	Upper
164	100		
162	99.1	80.2	120.2
160	51.0	36.9	55.3

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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: 89.34 ng

RT: 10.76 min Scan# 759

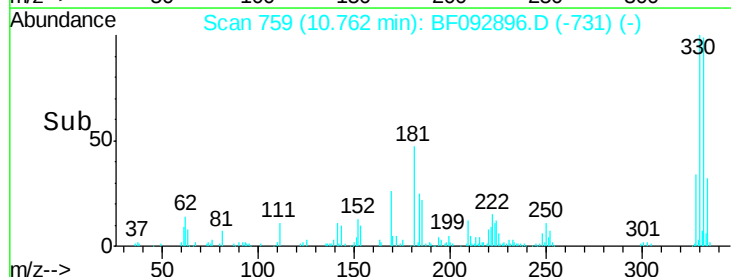
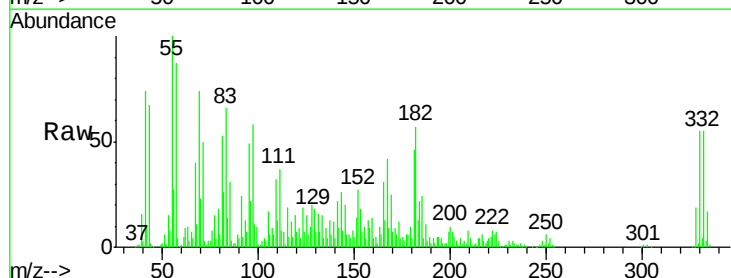
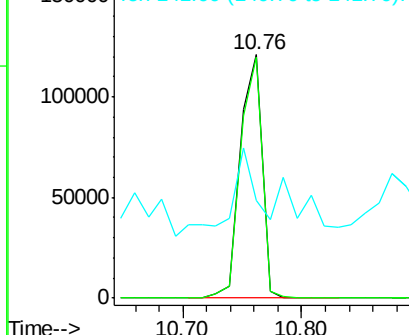
Delta R.T. 0.02 min

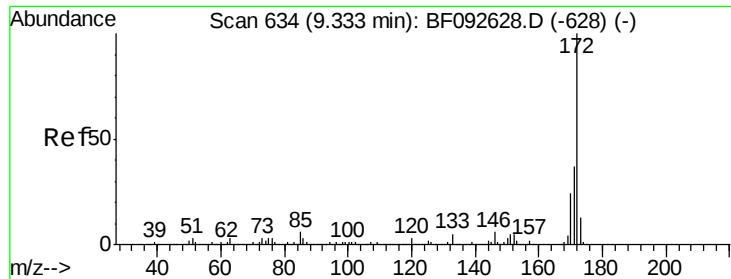
Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Tgt Ion:	330	Resp:	156319
Ion Ratio		Lower	Upper
330	100		
332	98.2	77.4	116.2
141	24.6	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





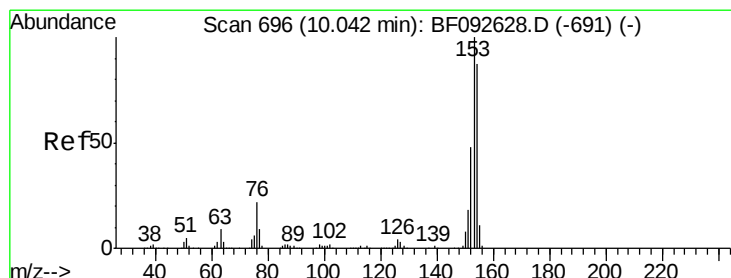
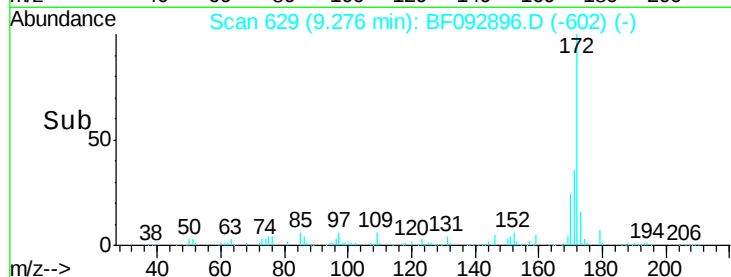
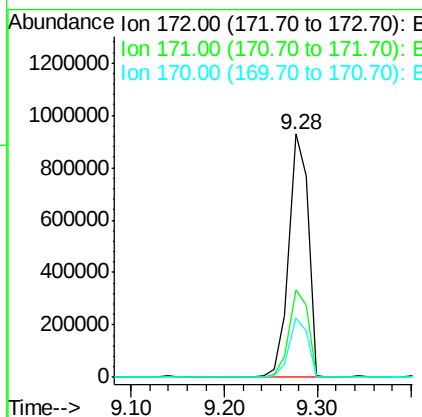
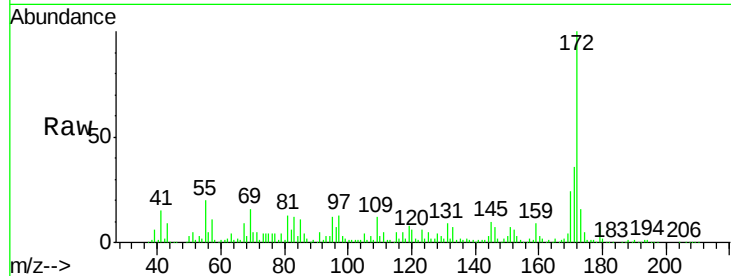
#44
2-Fluorobiphenyl
Concen: 102.13 ng
RT: 9.28 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Instrument :
BNA_F
ClientSampleId :
MW-6-FD

Tgt Ion:172 Resp: 1363818
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.1 20.2 30.4

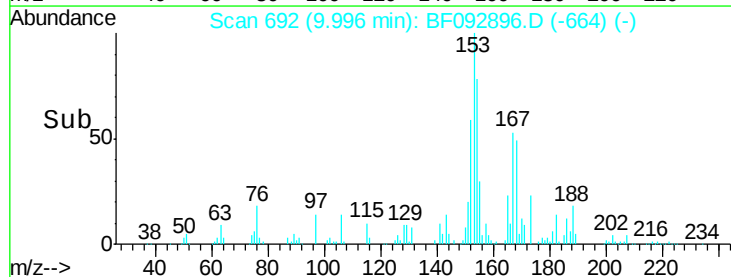
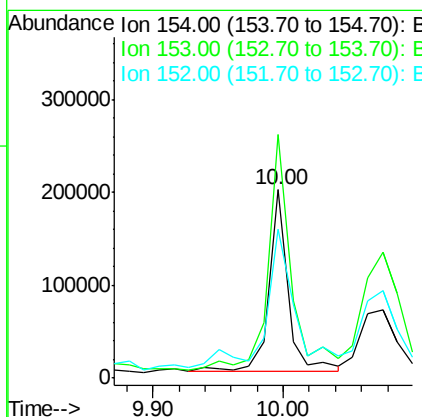
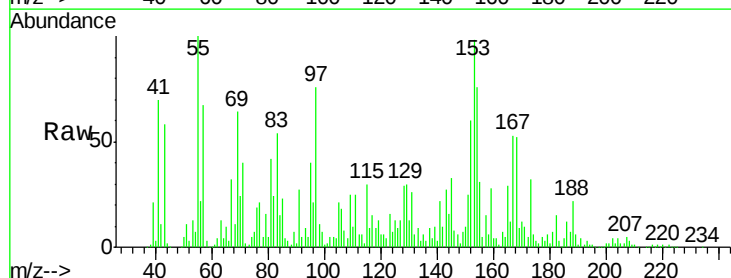
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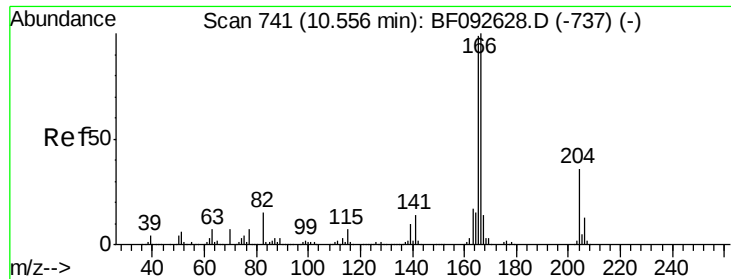
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#51
Acenaphthene
Concen: 14.48 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.02 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Tgt Ion:154 Resp: 204996
Ion Ratio Lower Upper
154 100
153 129.2 88.6 133.0
152 79.3 41.6 62.4#





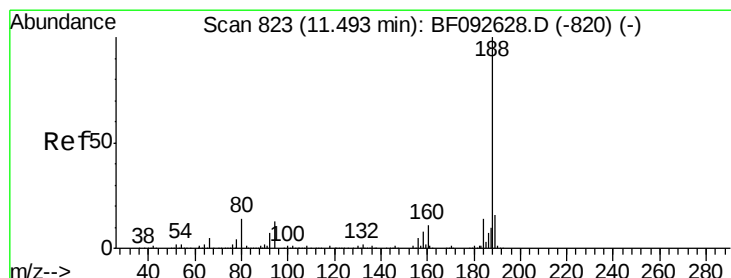
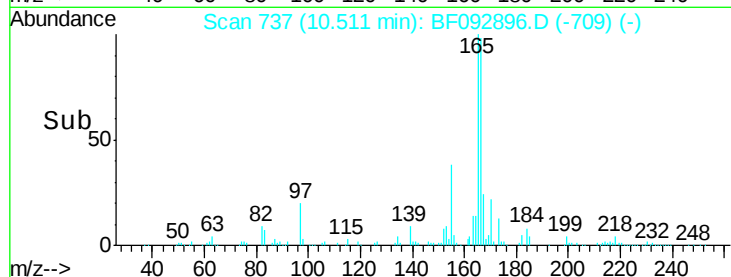
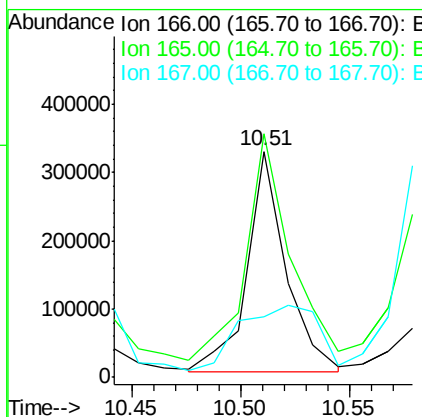
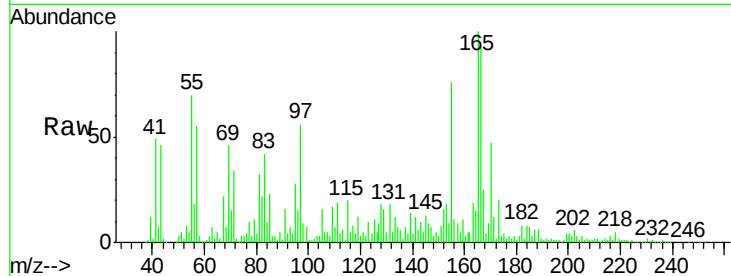
#57
Fluorene
 Concen: 27.52 ng
 RT: 10.51 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: BF092896.D
 Acq: 10 Feb 2017 21:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-6-FD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	400817		
165	107.7	77.8	116.8	
167	26.9	10.8	16.2#	

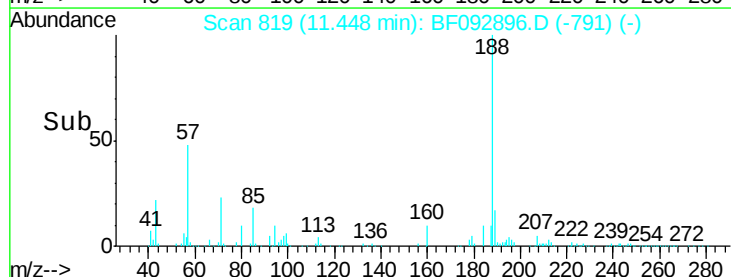
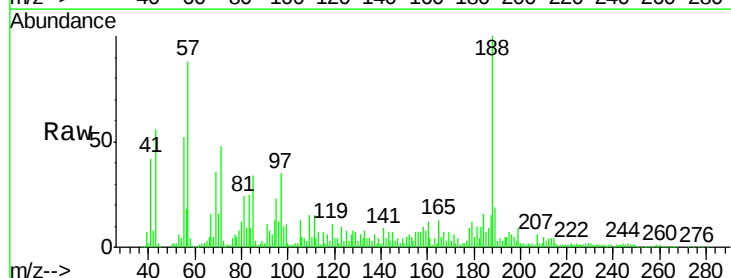
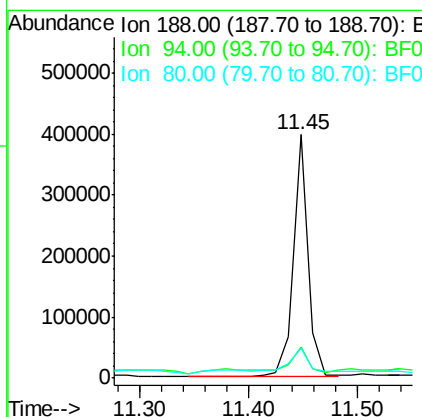
Manual Integrations
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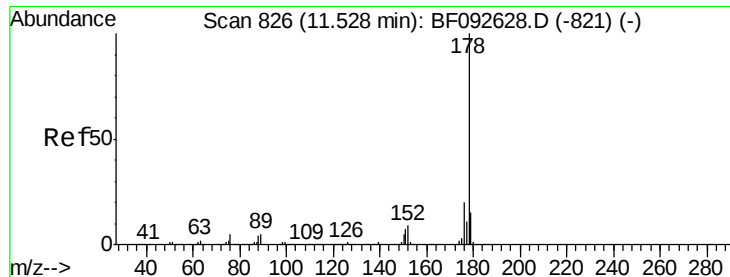
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.02 min
 Lab File: BF092896.D
 Acq: 10 Feb 2017 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	377093		
94	12.7	10.0	15.0	
80	12.5	11.2	16.8	





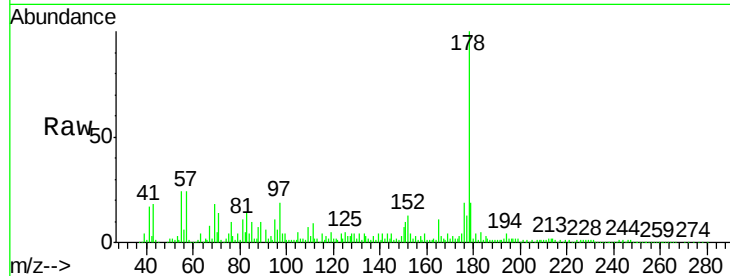
#70
Phenanthrene
Concen: 41.19 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.02 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Instrument :
BNA_F
ClientSampleId :
MW-6-FD

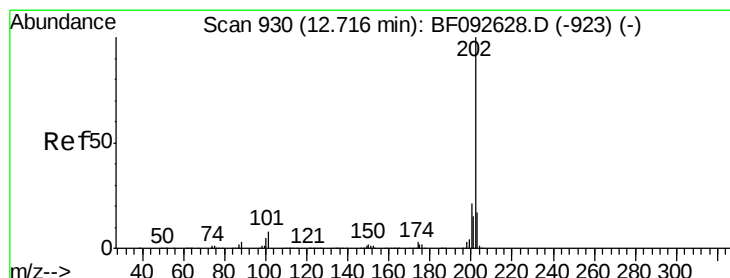
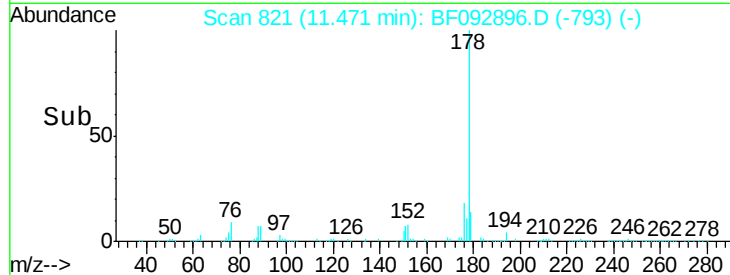
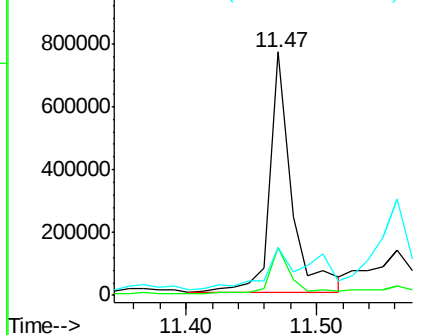
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	19.4	12.8	19.2

Manual Integrations
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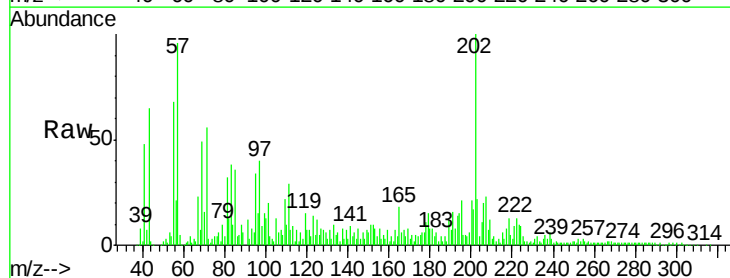


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

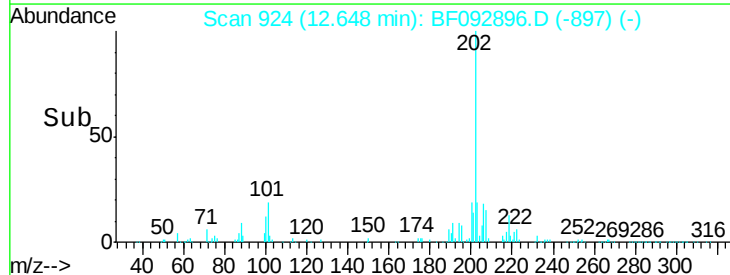
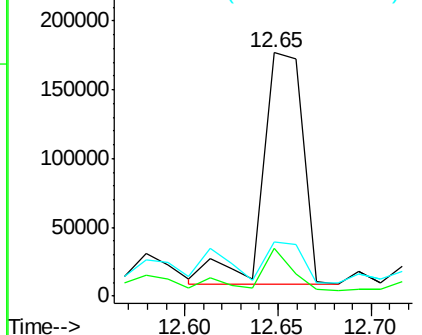


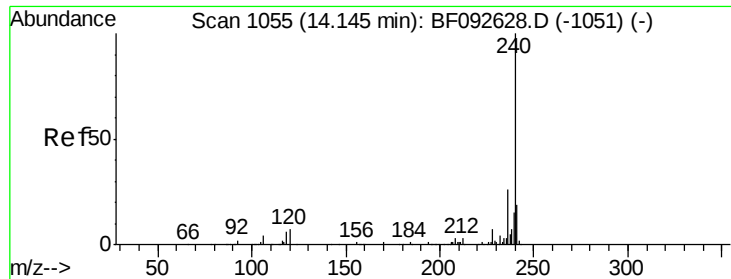
#74
Fluoranthene
Concen: 11.34 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.7	0.0	34.6
203	22.3	0.0	38.7



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





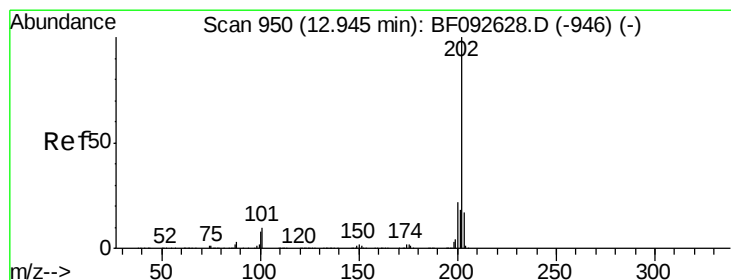
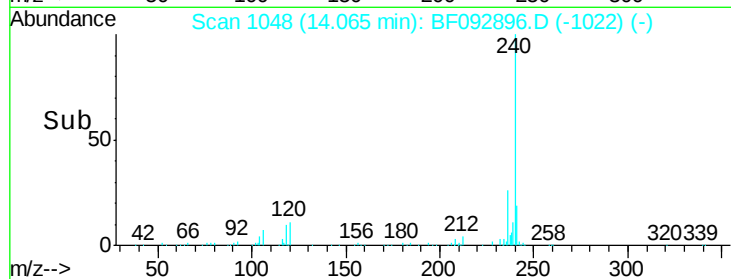
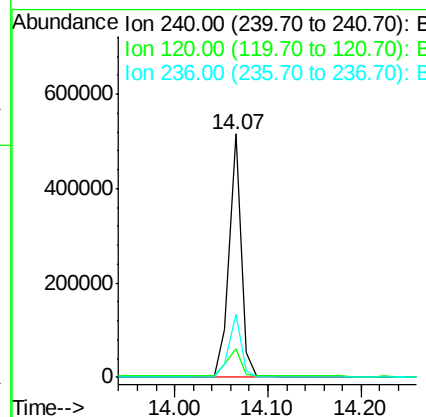
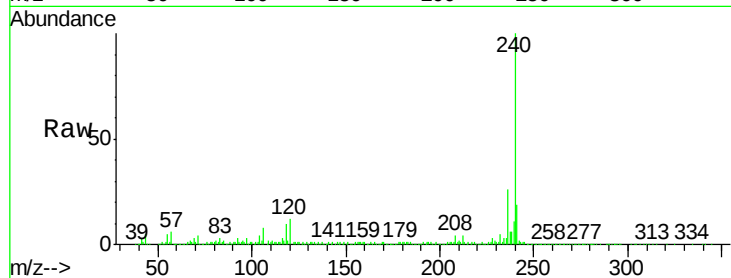
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Instrument :
BNA_F
ClientSampleId :
MW-6-FD

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

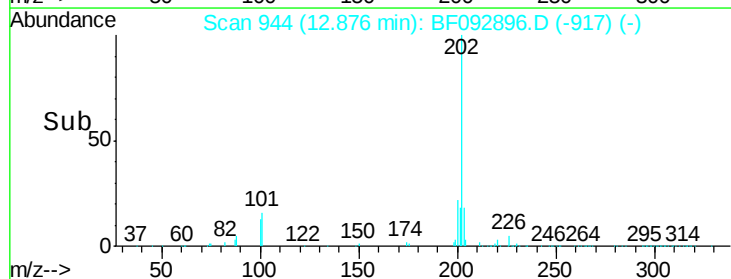
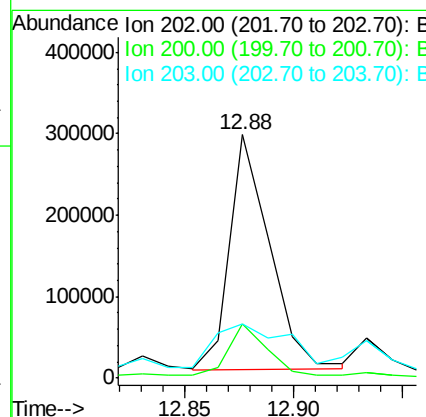
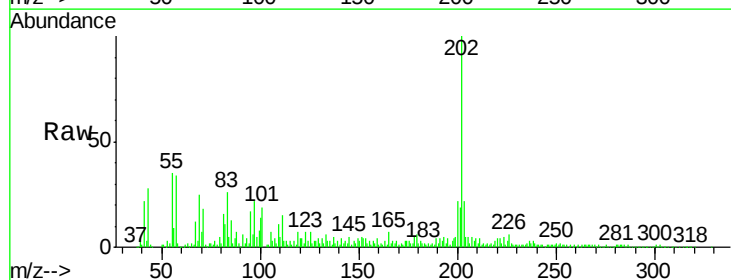
Manual Integrations
APPROVED

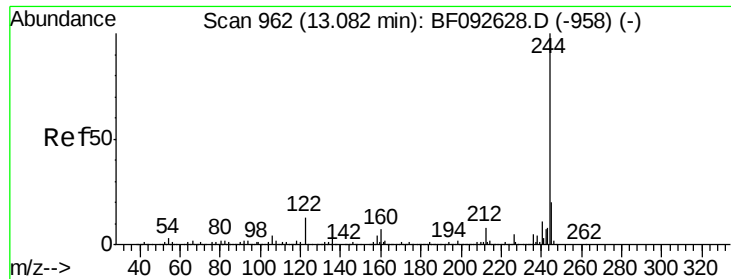
mohammad
2/13/2017 12:40:50 PM



#77
Pyrene
Concen: 10.75 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.01 min
Lab File: BF092896.D
Acq: 10 Feb 2017 21:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	22.0	14.7	22.1





#78

Terphenyl-d14

Concen: 64.54 ng

RT: 13.03 min Scan# 957

Delta R.T. 0.01 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Instrument :

BNA_F

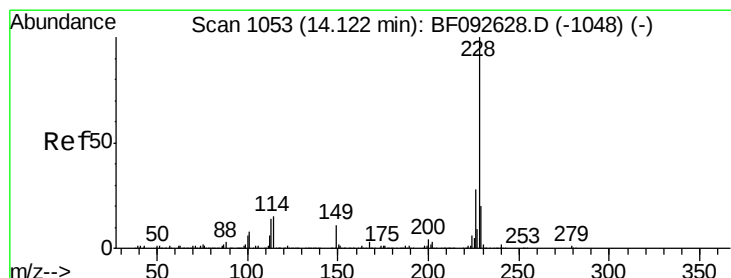
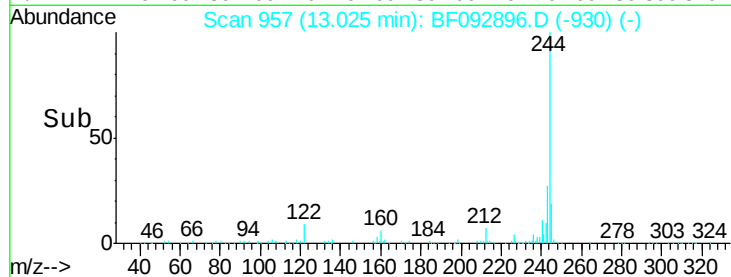
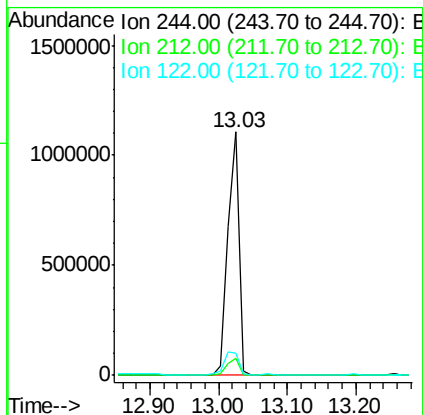
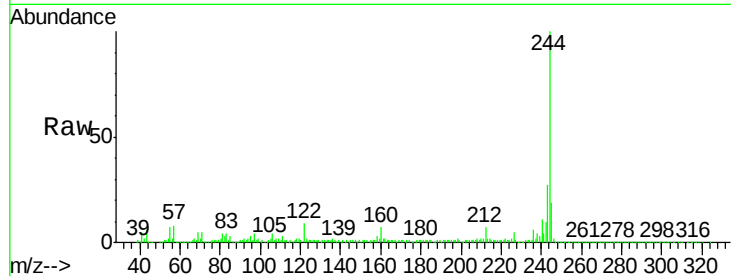
ClientSampleId :

MW-6-FD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	9.4	11.4	17.2#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 2.02 ng m

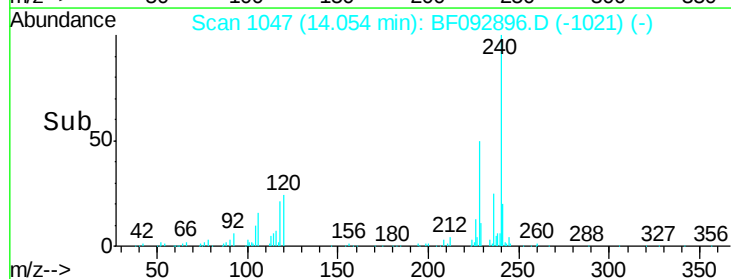
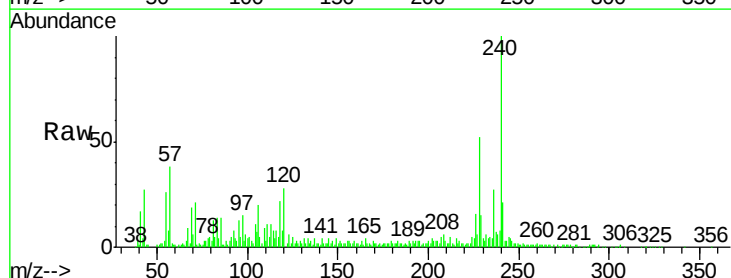
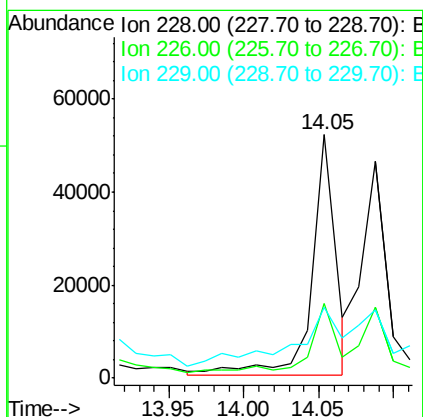
RT: 14.05 min Scan# 1047

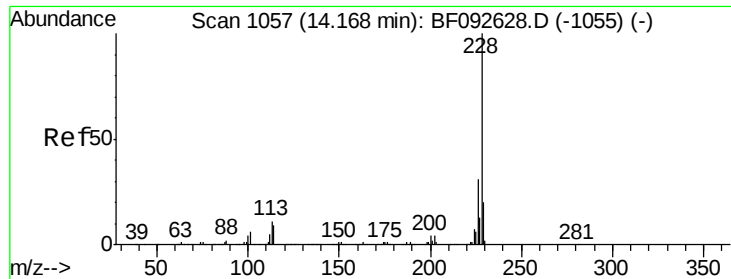
Delta R.T. 0.00 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.4	33.6
229	29.1	16.2	24.4#





#82

Chrysene

Concen: 2.02 ng m

RT: 14.09 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Instrument :

BNA_F

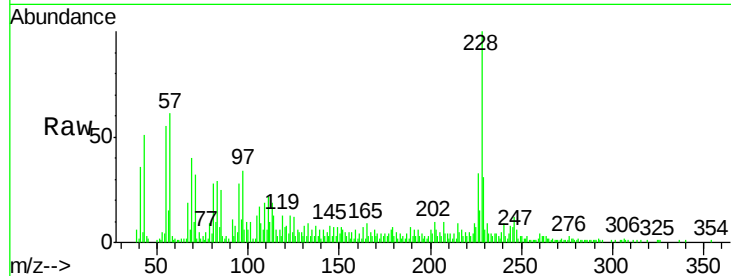
ClientSampleId :

MW-6-FD

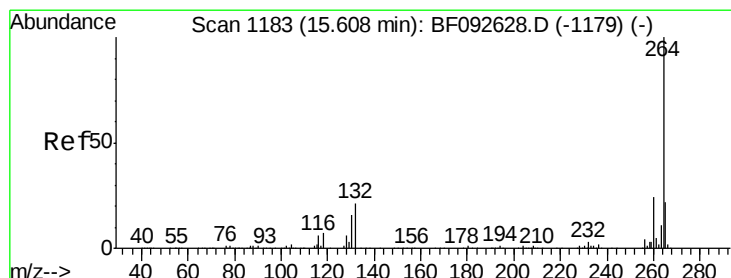
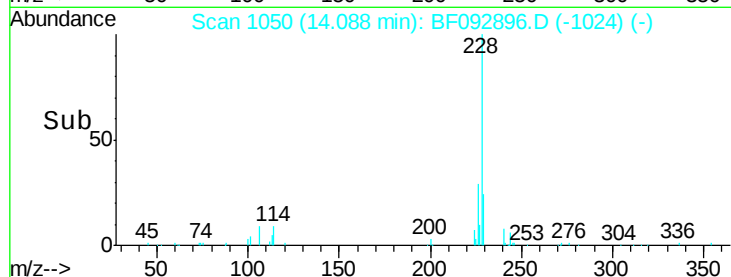
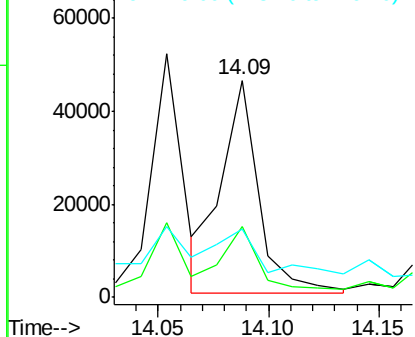
Tgt Ion:	228	Resp:	53533
Ion Ratio	Lower	Upper	
228	100		
226	32.6	25.4	38.0
229	31.4	16.2	24.2#

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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



#86

Perylene-d12

Concen: 20.00 ng

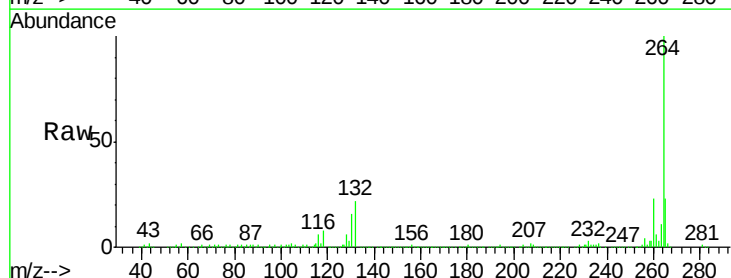
RT: 15.51 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BF092896.D

Acq: 10 Feb 2017 21:18

Tgt Ion:	264	Resp:	371616
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.7	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

