

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092151.D
 Acq On : 9 Jan 2017 21:29
 Operator : UM/SJ
 Sample : I1057-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP6

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:31 AM

Quant Time: Jan 09 23:30:39 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	179776	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	697291	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	204308	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	221225	20.00	ng	0.00
75) Chrysene-d12	13.79	240	314800	20.00	ng	0.00
86) Perylene-d12	15.17	264	203203	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	729201	67.73	ng	0.00
7) Phenol-d6	6.30	99	1275728	97.05	ng	-0.01
23) Nitrobenzene-d5	7.20	82	747468	59.61	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	36609	21.65	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	1333035	142.40	ng	0.00
78) Terphenyl-d14	12.75	244	526366	40.55	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.32	94	64432	4.30	ng	# 65
49) Dimethylphthalate	9.40	163	109514	8.38	ng	98
51) Acenaphthene	9.70	154	35391	3.06	ng	94
57) Fluorene	10.22	166	24570	2.16	ng	99
70) Phenanthrene	11.18	178	166598	13.89	ng	97
71) Anthracene	11.22	178	41626	2.47	ng	99
74) Fluoranthene	12.36	202	186228	15.16	ng	95
77) Pyrene	12.59	202	159408	6.90	ng	98
80) Benzo(a)anthracene	13.77	228	162040	9.12	ng	# 92
82) Chrysene	13.81	228	119430m	6.70	ng	
85) Indeno(1,2,3-cd)pyrene	16.45	276	39363	2.55	ng	96
87) Benzo(b)fluoranthene	14.79	252	115991m	9.17	ng	
88) Benzo(k)fluoranthene	14.80	252	36926m	3.42	ng	
89) Benzo(a)pyrene	15.11	252	77022	6.86	ng	# 72
91) Benzo(g,h,i)perylene	16.84	276	41866	4.36	ng	# 78

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

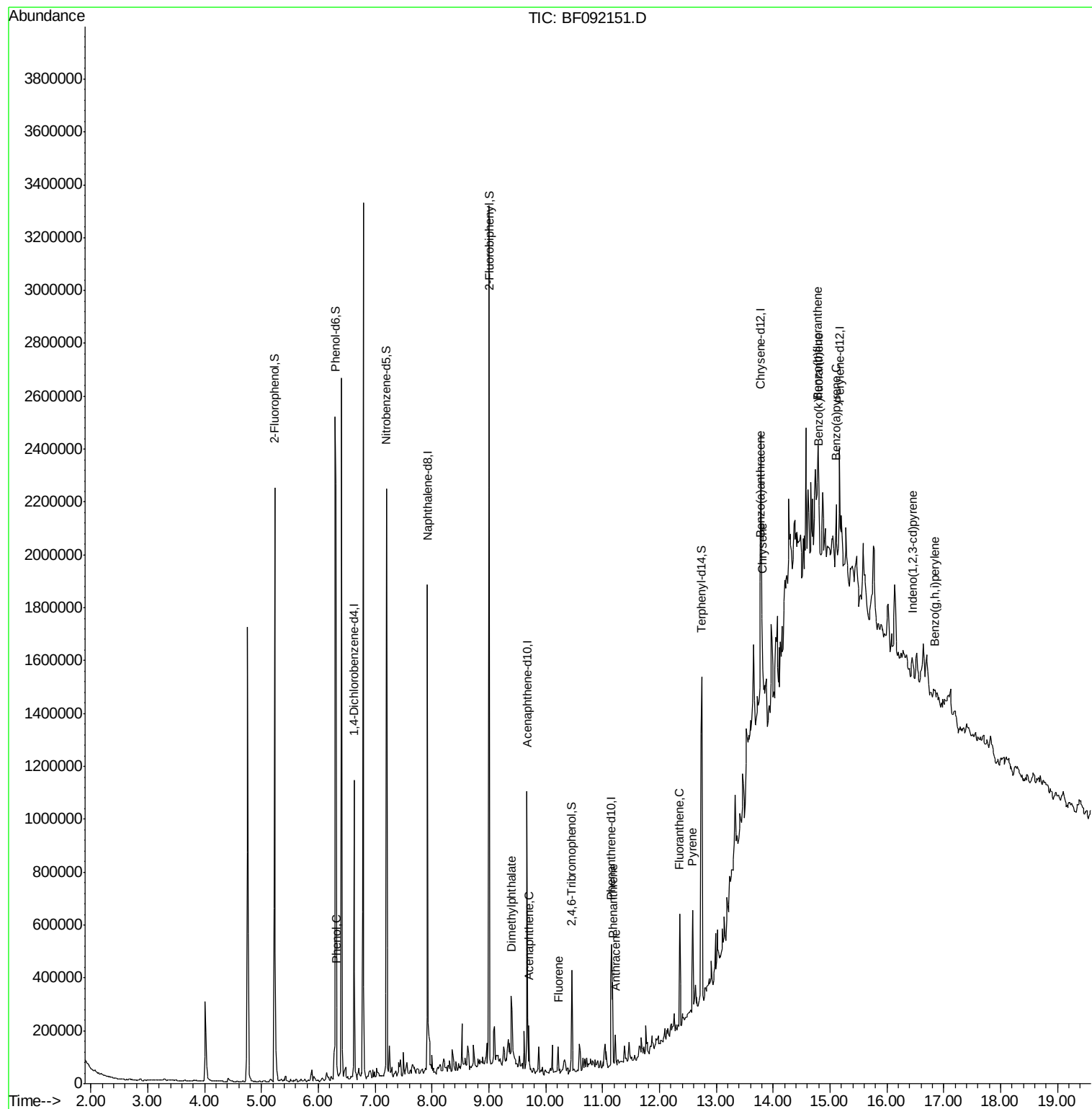
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092151.D
Acq On : 9 Jan 2017 21:29
Operator : UM/SJ
Sample : I1057-04
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ALS Vial : 17 Sample Multiplier: 1

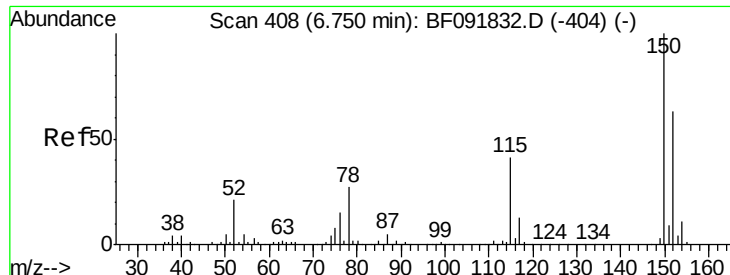
Instrument :
BNA_F
ClientSampleId :
P3-SP6

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Quant Time: Jan 09 23:30:39 2017
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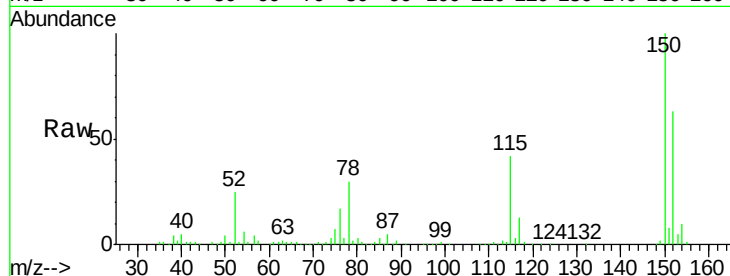
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.63 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: BF092151.D
 Acq: 9 Jan 2017 21:29

Instrument :
 BNA_F
 ClientSampled :
 P3-SP6

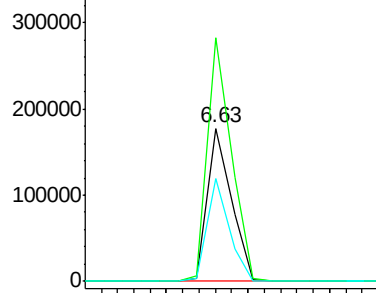
Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.9	187.3
115	66.9	46.0	69.0

Manual Integrations
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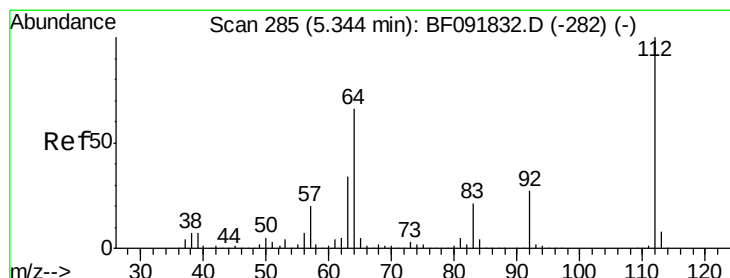
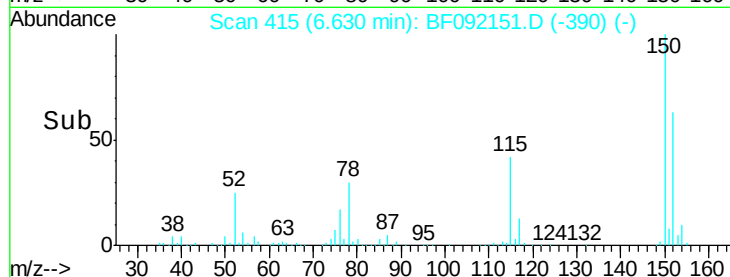
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Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

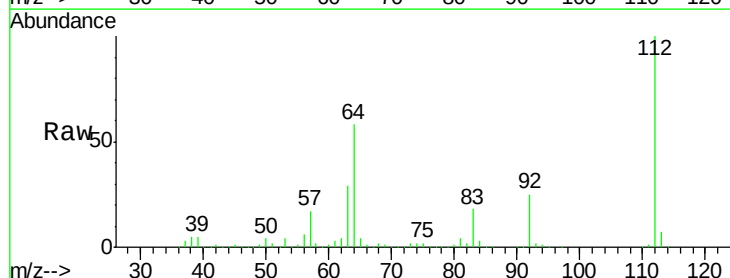


Time-->

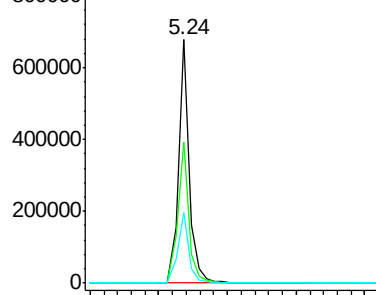


#5
 2-Fluorophenol
 Concen: 67.73 ng
 RT: 5.24 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: BF092151.D
 Acq: 9 Jan 2017 21:29

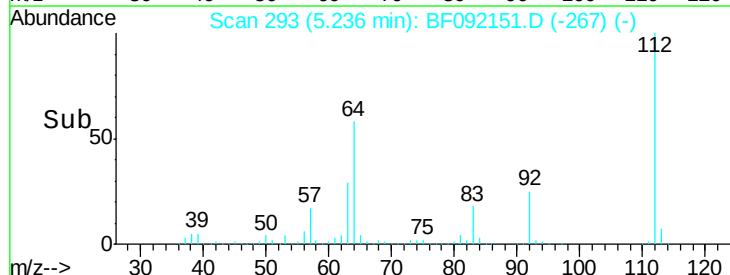
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.1	69.1
63	29.0	23.8	35.6

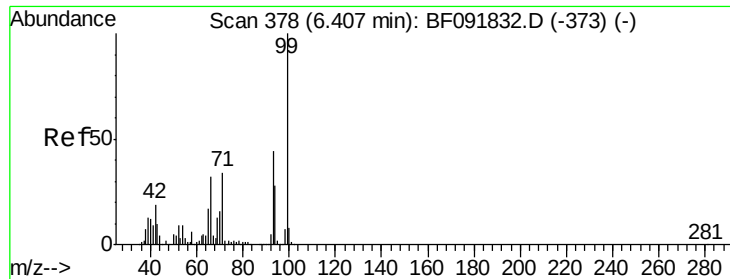


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 97.05 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Instrument :

BNA_F

ClientSampled :

P3-SP6

Tgt Ion: 99 Resp: 1275728

Ion Ratio Lower Upper

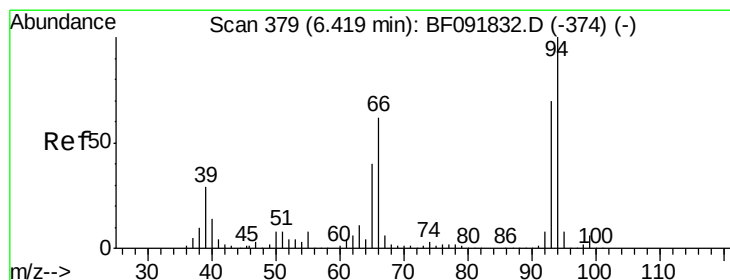
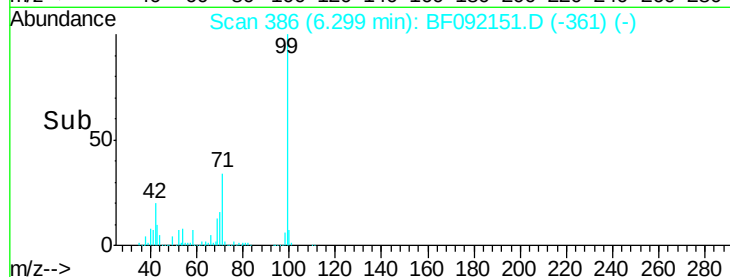
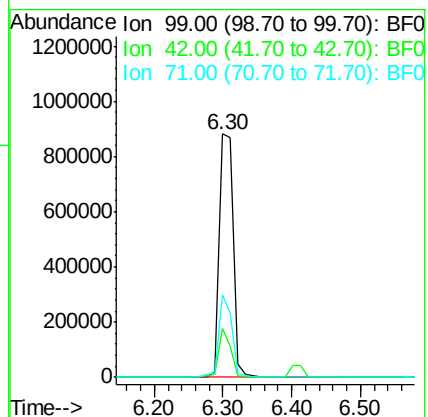
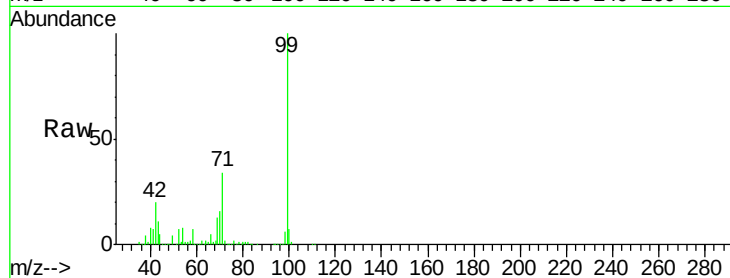
99 100

42 20.1 15.6 23.4

71 33.7 27.5 41.3

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#10

Phenol

Concen: 4.30 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

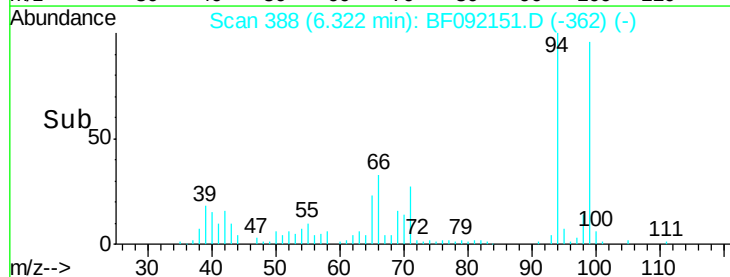
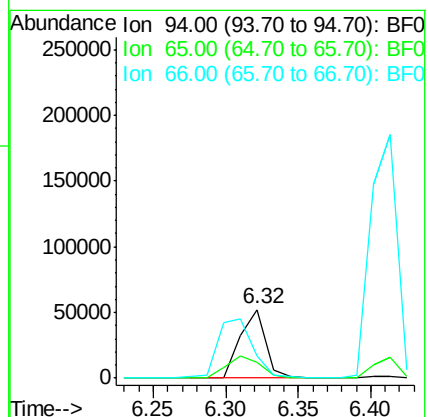
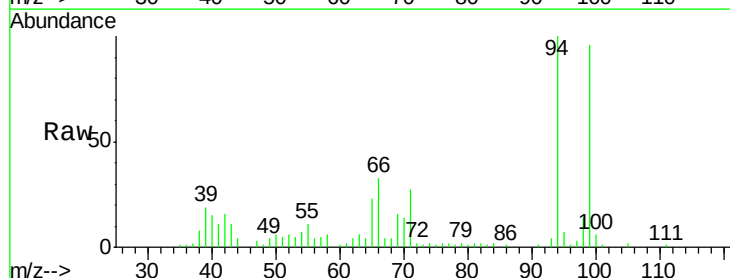
Tgt Ion: 94 Resp: 64432

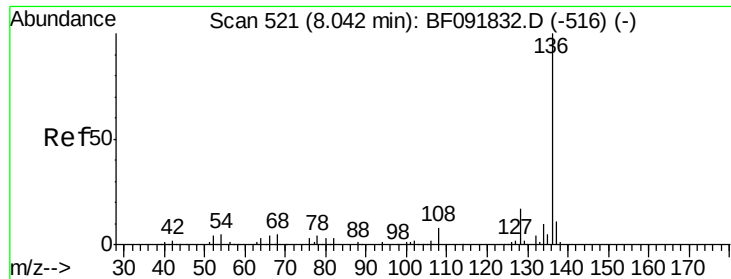
Ion Ratio Lower Upper

94 100

65 23.5 21.4 61.4

66 32.8 44.0 84.0#





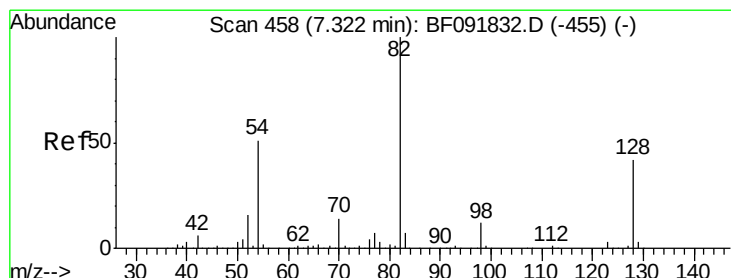
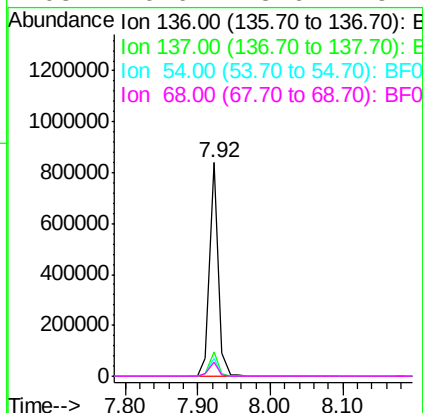
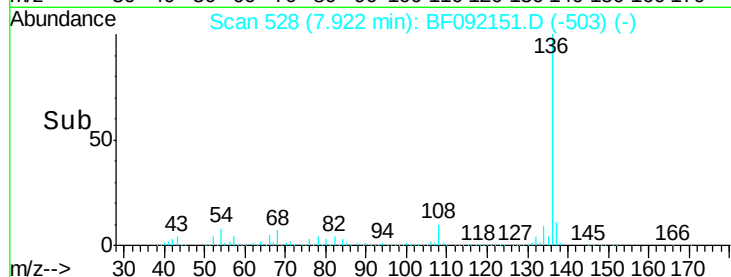
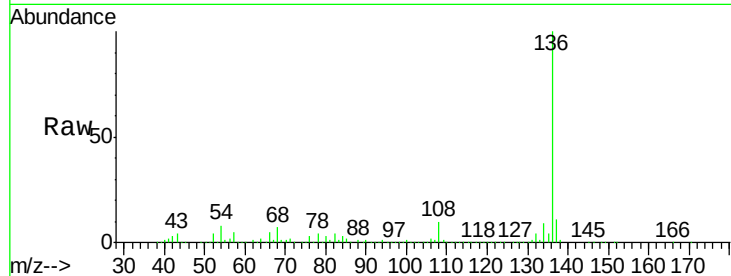
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Instrument :
BNA_F
ClientSampleId :
P3-SP6

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	697291		
137	11.2	8.4	12.6	
54	8.2	4.5	6.7#	
68	6.6	3.6	5.4#	

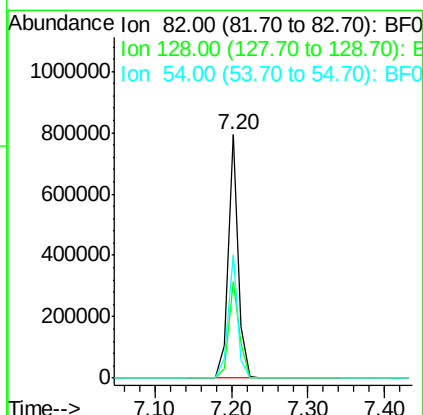
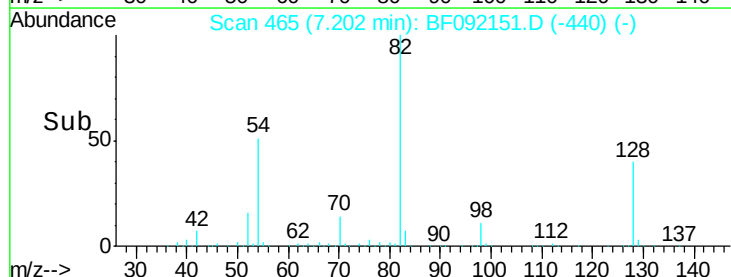
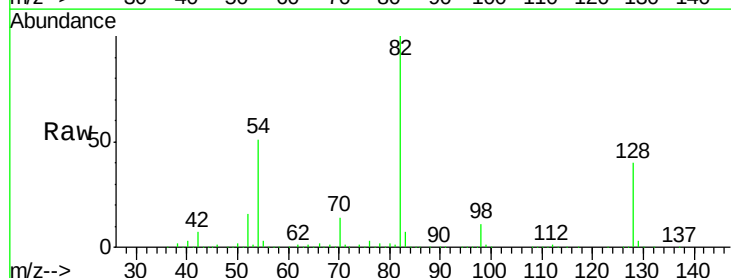
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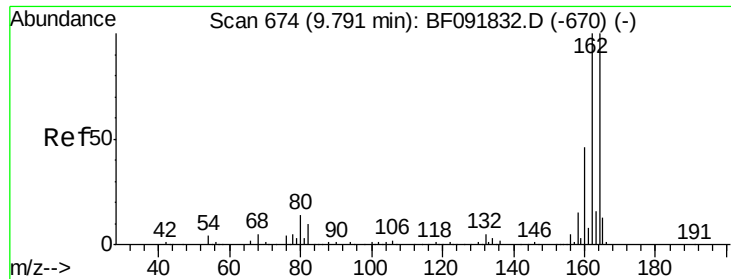
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#23
Nitrobenzene-d5
Concen: 59.61 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	747468		
128	39.8	34.6	52.0	
54	50.7	39.5	59.3	





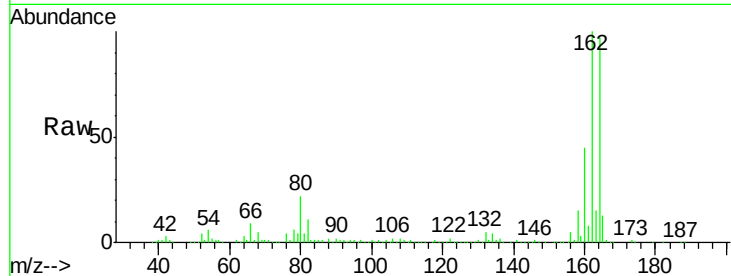
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Instrument :
BNA_F
ClientSampleId :
P3-SP6

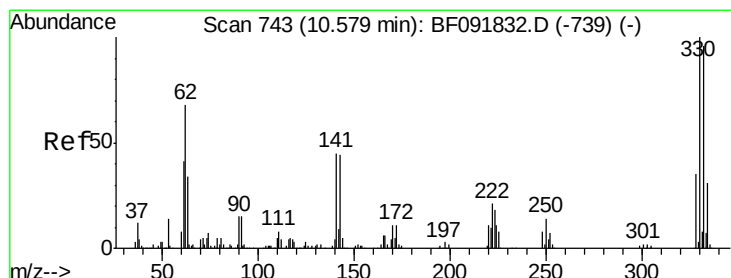
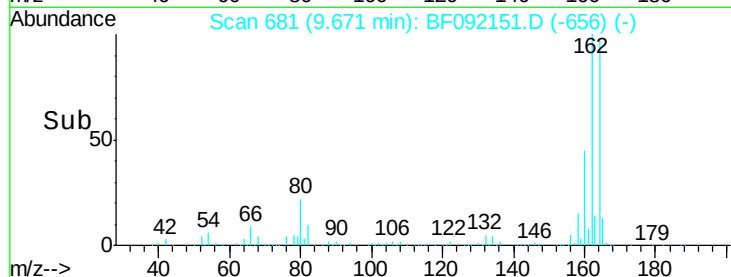
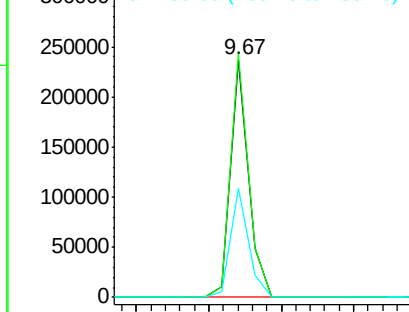
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204308		
162	102.6	80.2	120.2	
160	45.8	36.9	55.3	

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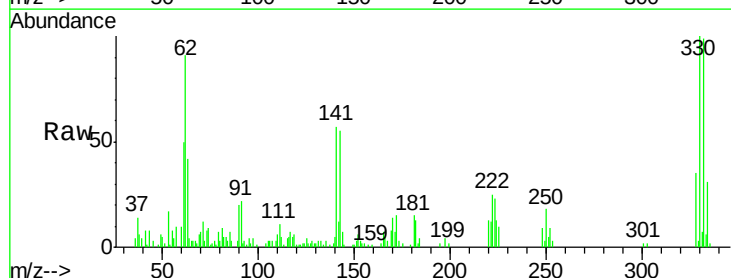


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

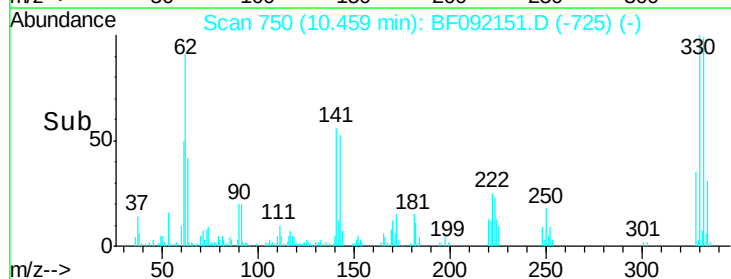
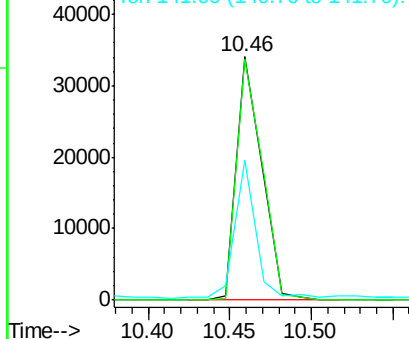


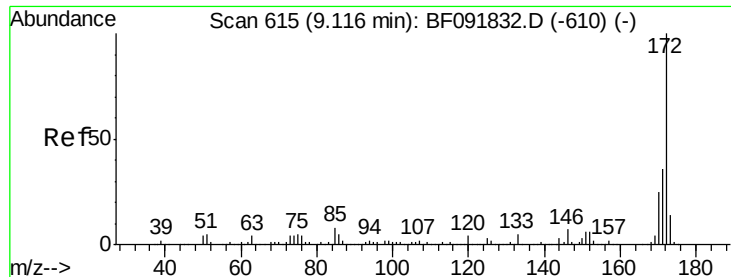
#41
2,4,6-Tribromophenol
Concen: 21.65 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	36609		
332	98.9	77.4	116.2	
141	46.8	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





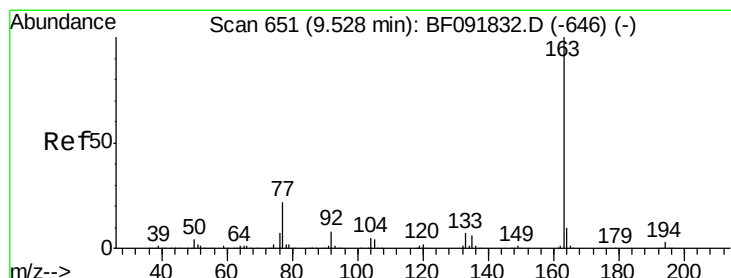
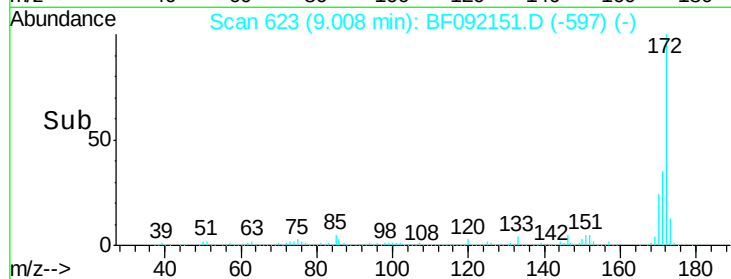
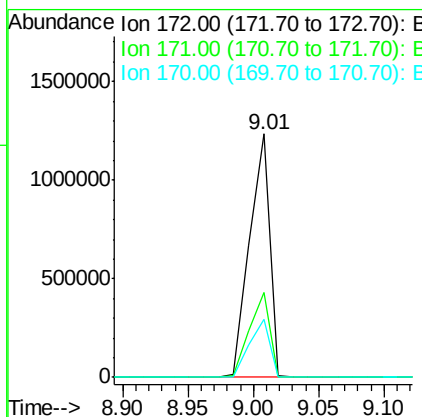
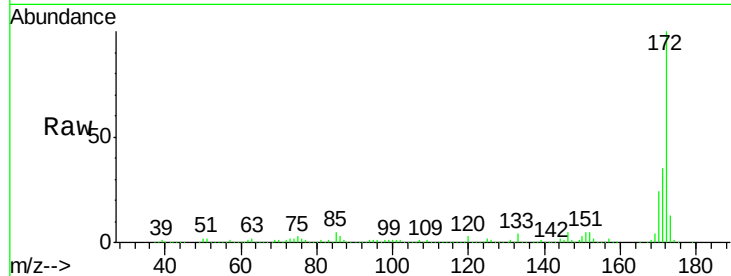
#44
2-Fluorobiphenyl
Concen: 142.40 ng
RT: 9.01 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Instrument :
BNA_F
ClientSampleId :
P3-SP6

Tgt Ion:172 Resp: 1333035
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.6 20.2 30.4

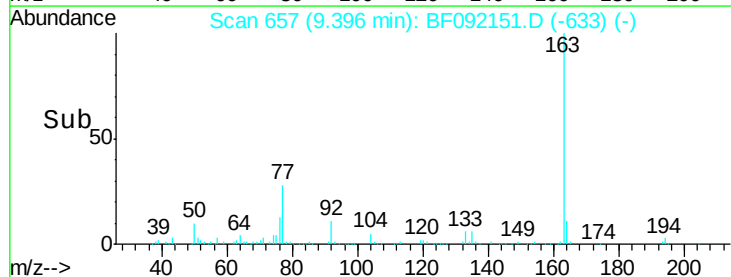
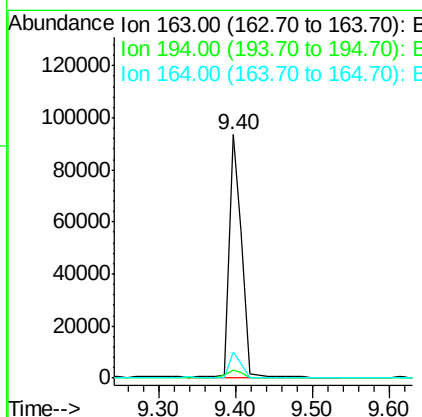
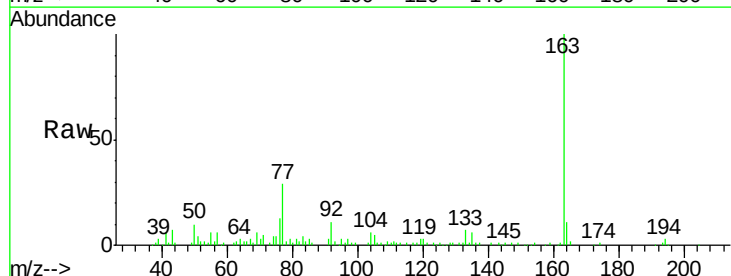
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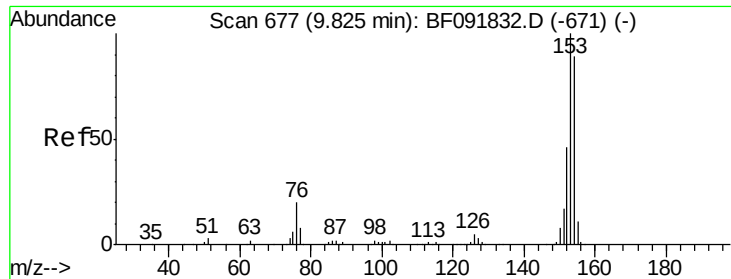
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#49
Dimethylphthalate
Concen: 8.38 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Tgt Ion:163 Resp: 109514
Ion Ratio Lower Upper
163 100
194 3.1 3.0 4.4
164 10.6 8.0 12.0





#51

Acenaphthene

Concen: 3.06 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Instrument :

BNA_F

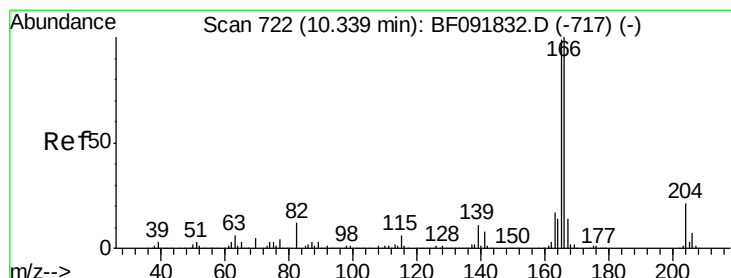
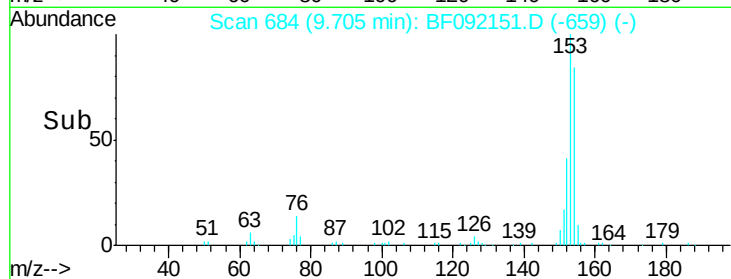
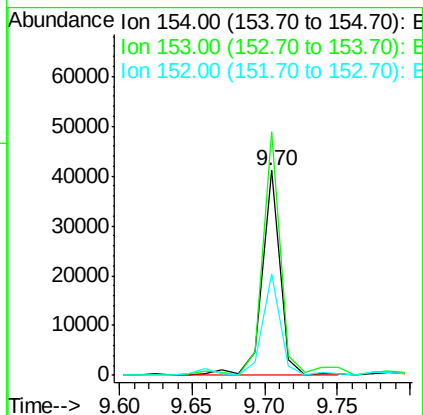
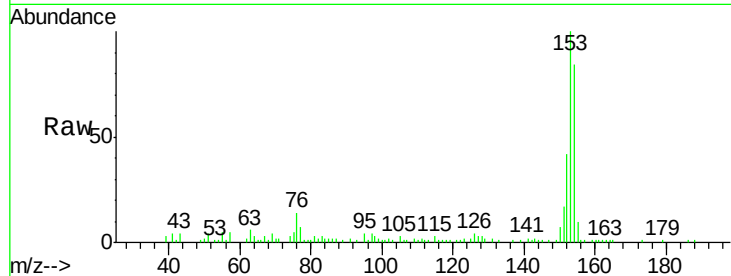
ClientSampleId :

P3-SP6

Tgt Ion:	154	Resp:	35391
Ion	Ratio	Lower	Upper
154	100		
153	118.8	88.6	133.0
152	49.4	41.6	62.4

Manual Integrations
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#57

Fluorene

Concen: 2.16 ng

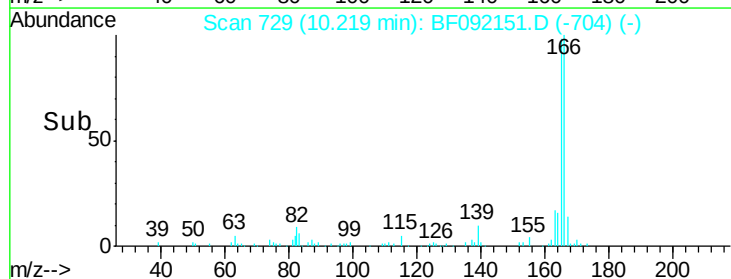
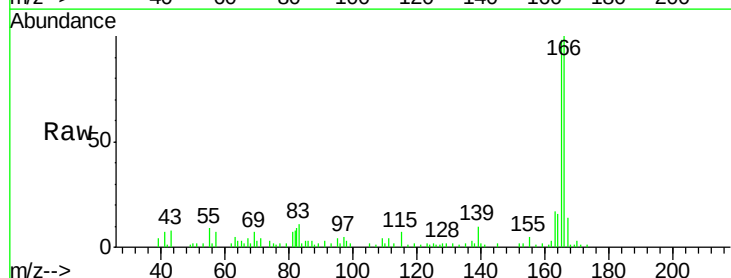
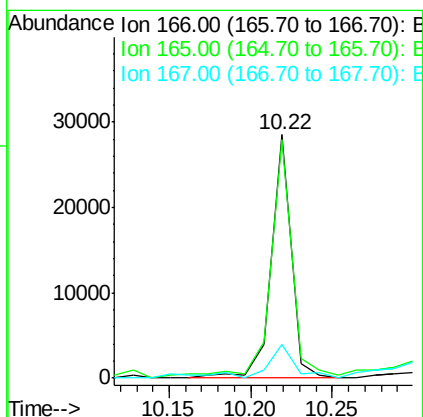
RT: 10.22 min Scan# 729

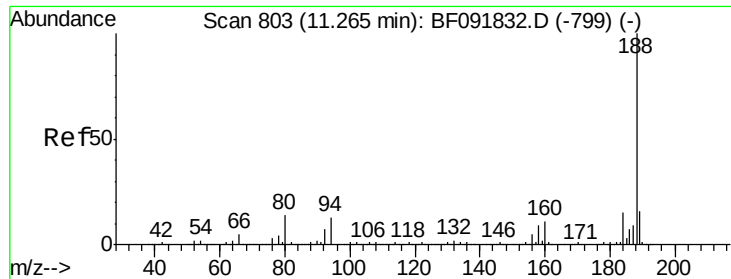
Delta R.T. -0.01 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Tgt Ion:	166	Resp:	24570
Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	14.0	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Instrument :

BNA_F

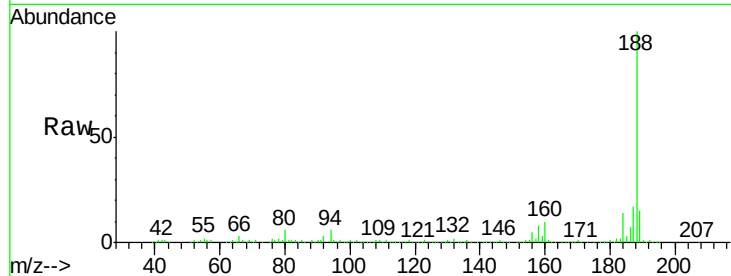
ClientSampled :

P3-SP6

Tgt Ion:	188	Resp:	221225
Ion Ratio	Lower	Upper	
188	100		
94	5.9	10.0	15.0#
80	6.0	11.2	16.8#

Manual Integrations
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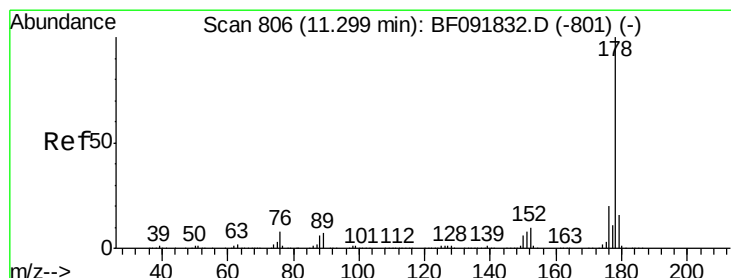
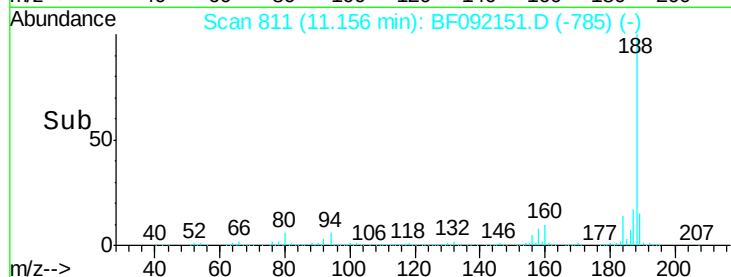
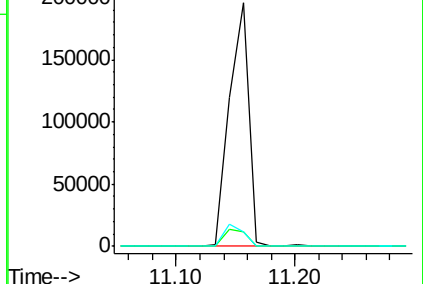
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 13.89 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092151.D

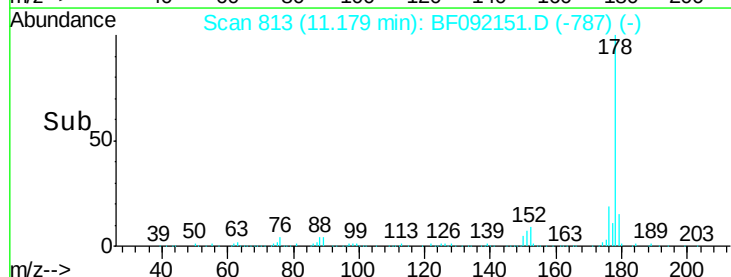
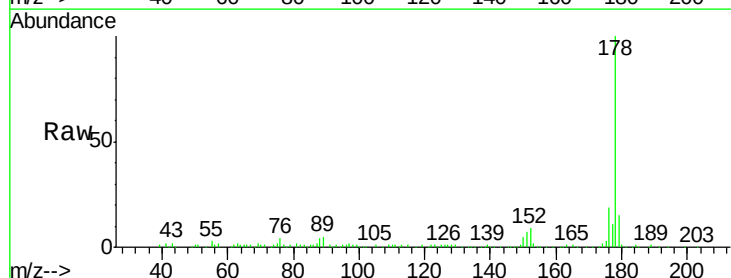
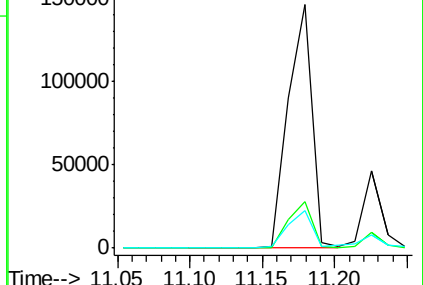
Acq: 9 Jan 2017 21:29

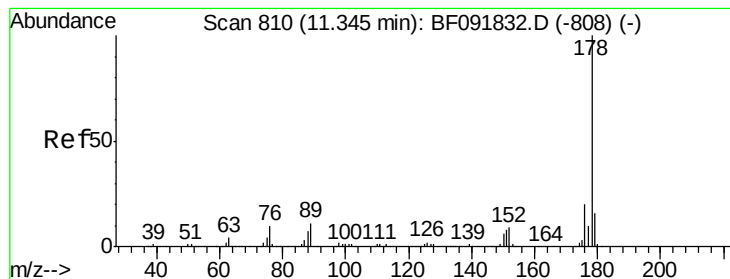
Tgt Ion:	178	Resp:	166598
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.6	25.0
179	15.5	12.8	19.2

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





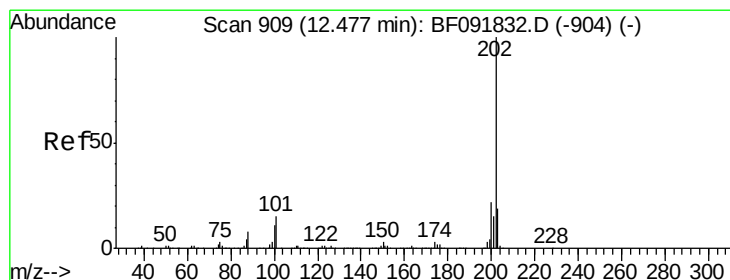
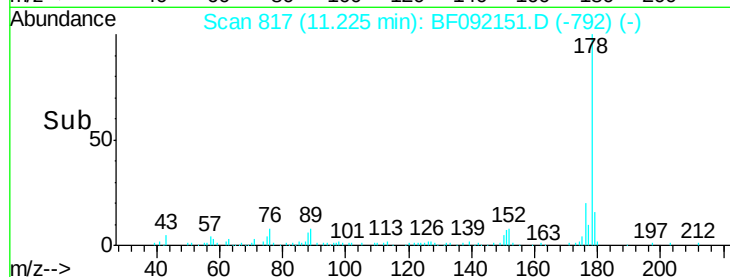
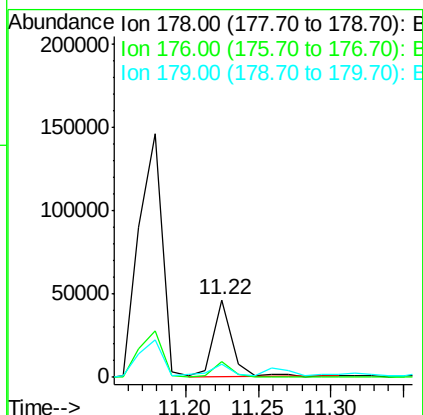
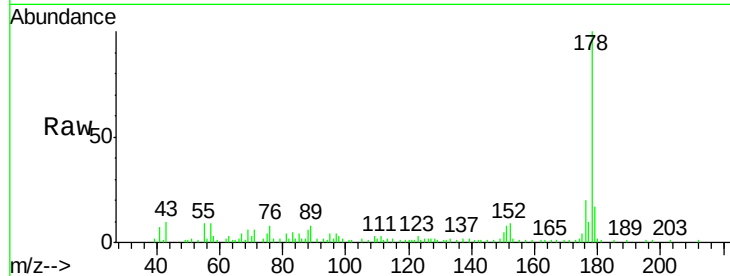
#71
 Anthracene
 Concen: 2.47 ng
 RT: 11.22 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092151.D
 Acq: 9 Jan 2017 21:29

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	17.1	13.2	19.8

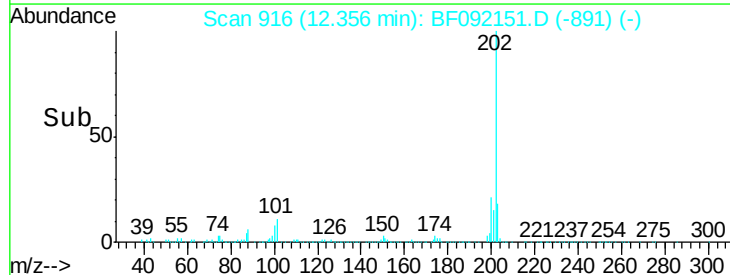
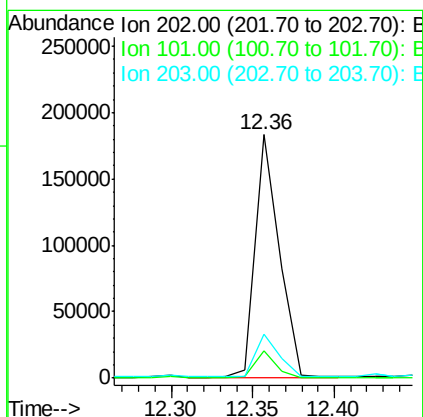
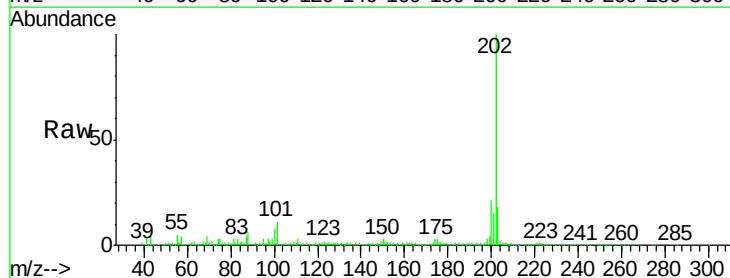
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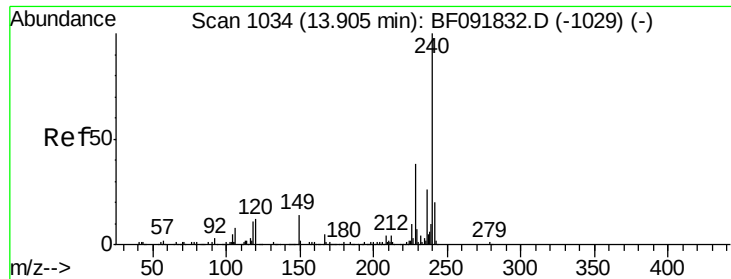
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#74
 Fluoranthene
 Concen: 15.16 ng
 RT: 12.36 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF092151.D
 Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.6
203	18.2	0.0	38.7





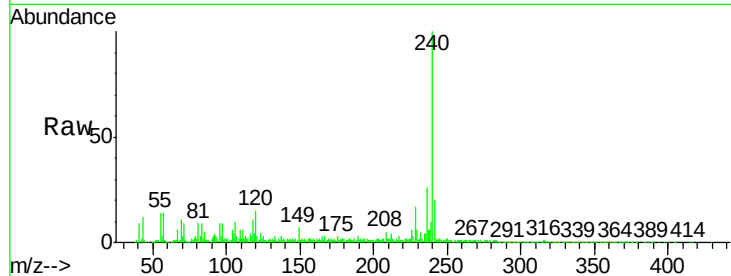
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Instrument :
BNA_F
ClientSampleId :
P3-SP6

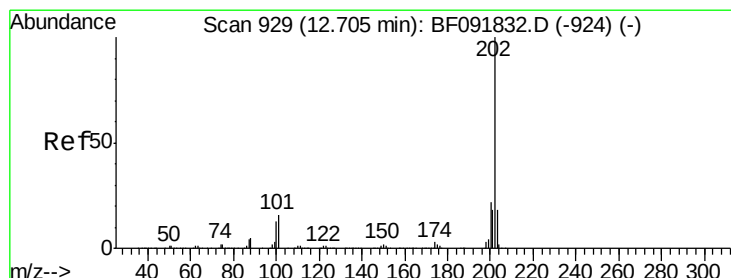
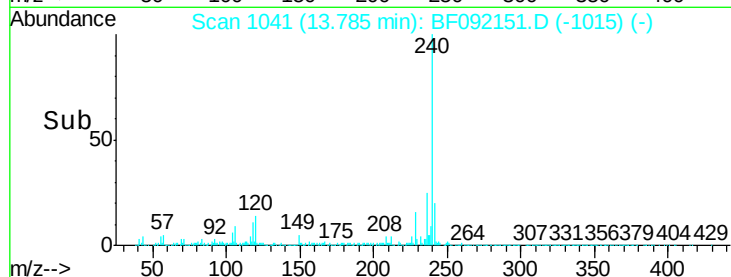
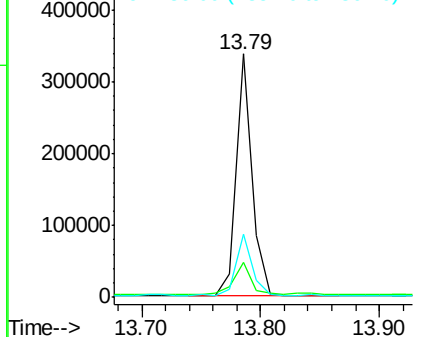
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.5	12.9	19.3
236	26.0	20.9	31.3

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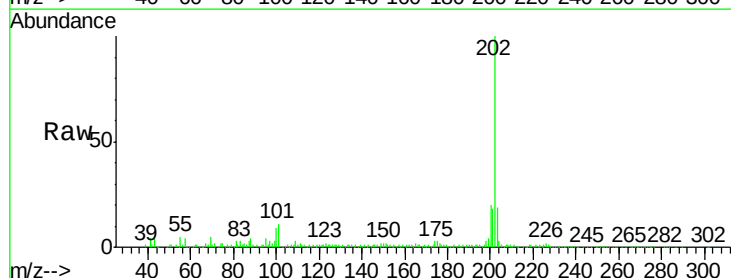


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

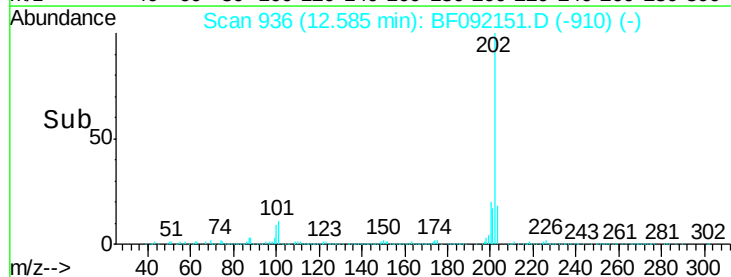
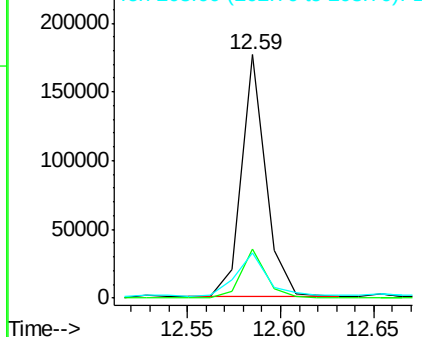


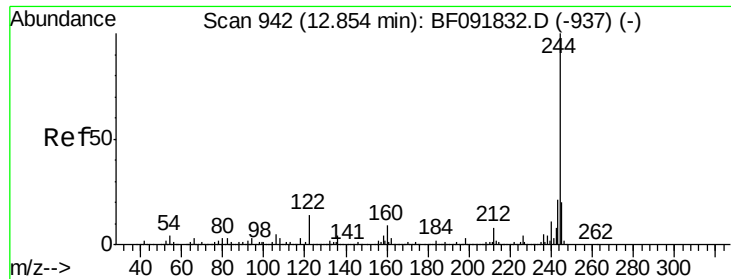
#77
Pyrene
Concen: 6.90 ng
RT: 12.59 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.7	26.5
203	18.5	14.7	22.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.55 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Instrument :

BNA_F

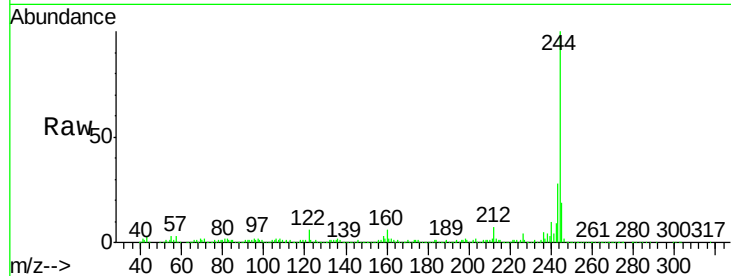
ClientSampled :

P3-SP6

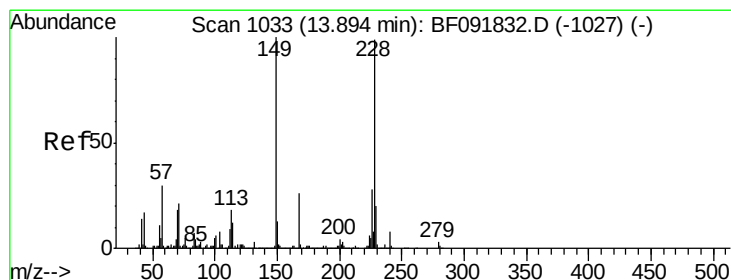
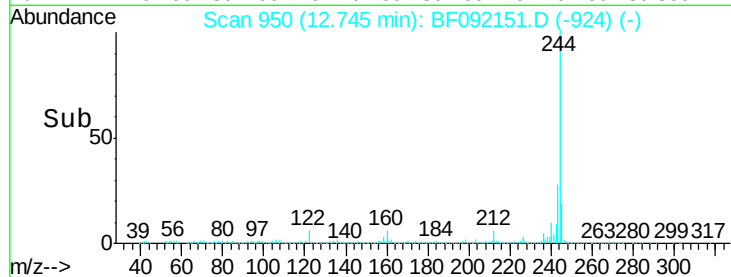
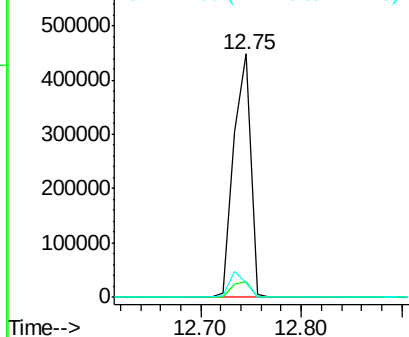
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	526366		
212	6.6		6.2	9.2
122	5.9		11.4	17.2#

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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: 9.12 ng

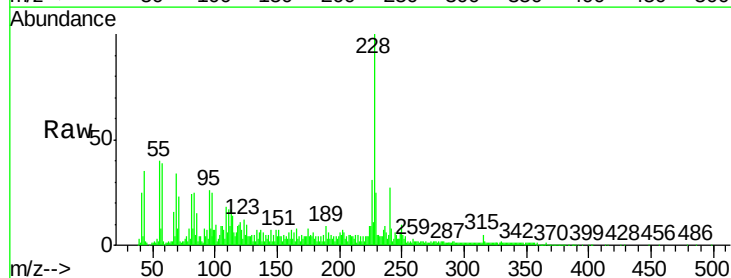
RT: 13.77 min Scan# 1040

Delta R.T. 0.00 min

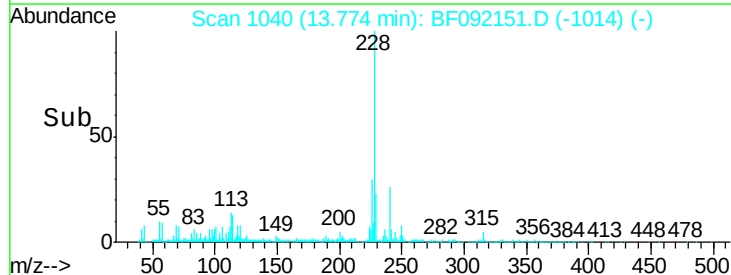
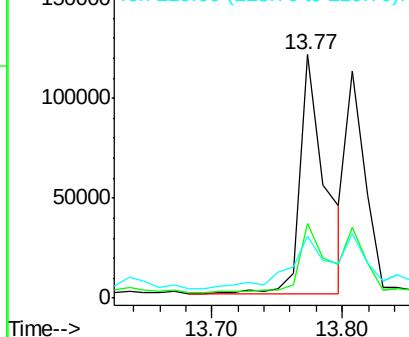
Lab File: BF092151.D

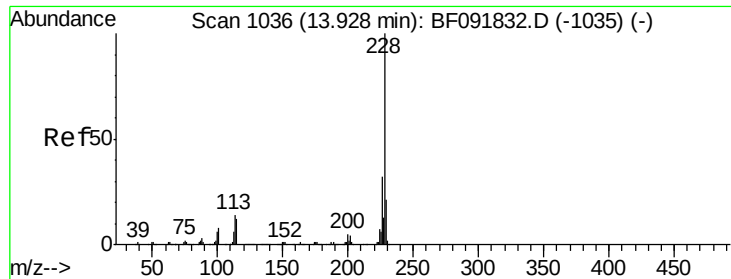
Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	162040		
226	30.9		22.4	33.6
229	25.4		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: 6.70 ng m

RT: 13.81 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Instrument :

BNA_F

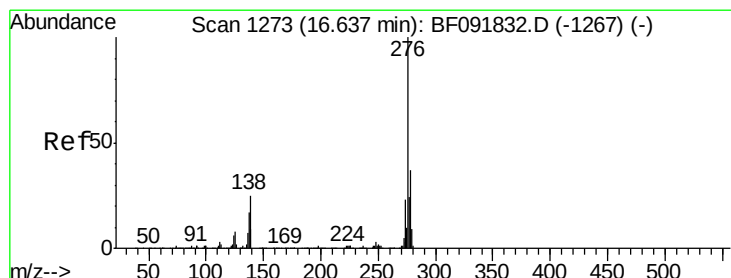
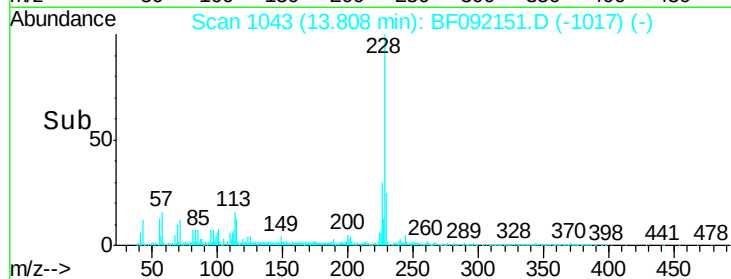
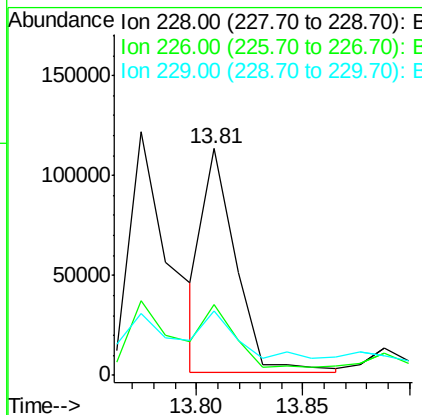
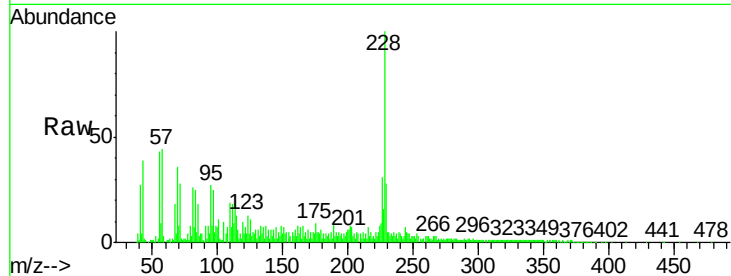
ClientSampleId :

P3-SP6

Tgt Ion:	228	Resp:	119430
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.4	38.0
229	28.4	16.2	24.2#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.55 ng

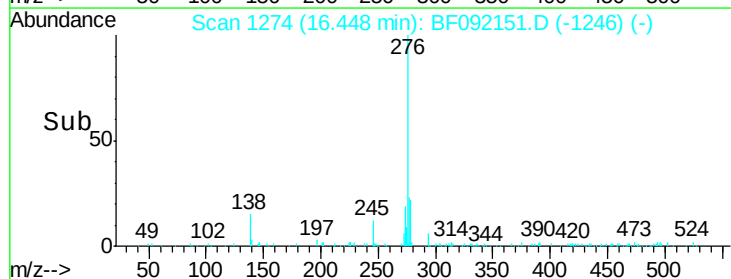
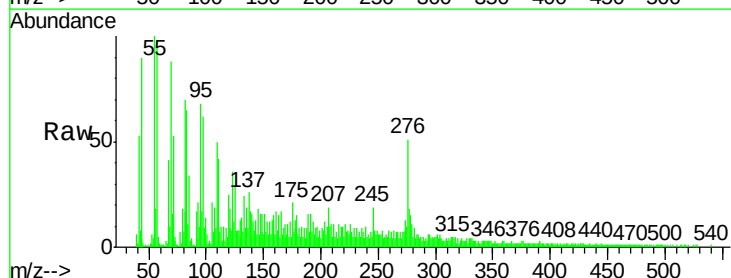
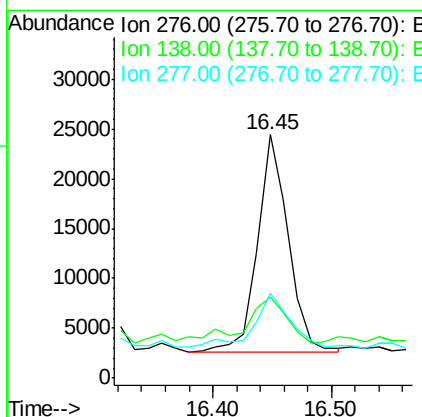
RT: 16.45 min Scan# 1274

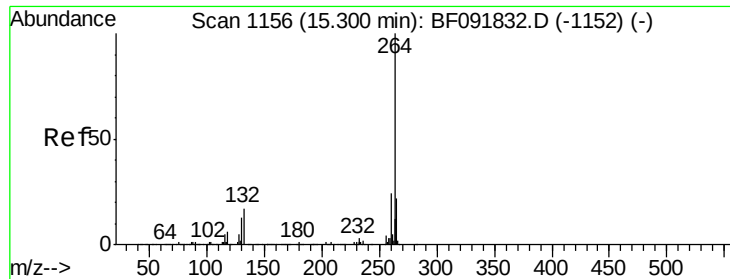
Delta R.T. 0.02 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Tgt Ion:	276	Resp:	39363
Ion Ratio	Lower	Upper	
276	100		
138	26.5	21.8	32.6
277	28.8	20.2	30.4





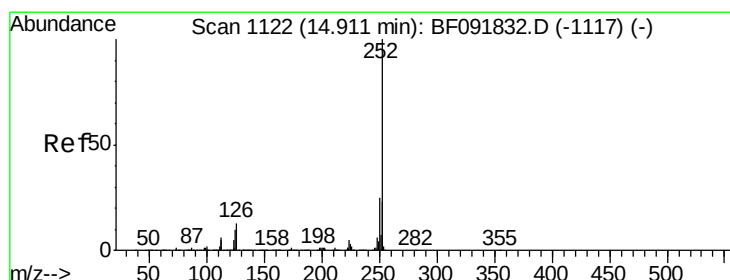
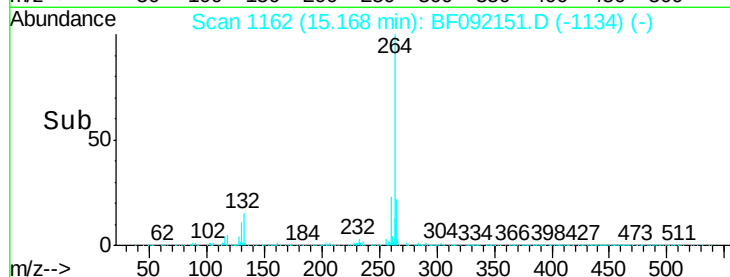
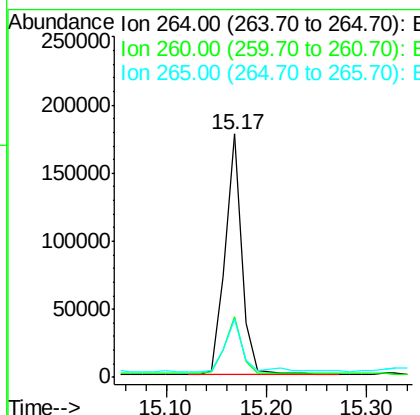
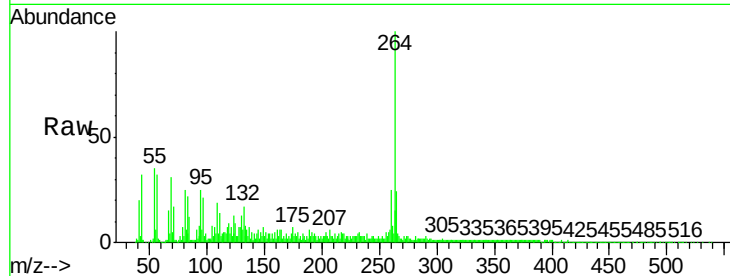
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1162
Delta R.T. 0.02 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Instrument :
BNA_F
ClientSampleId :
P3-SP6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	24.0	17.4	26.0

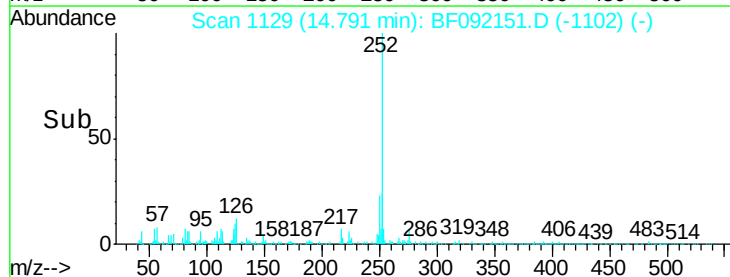
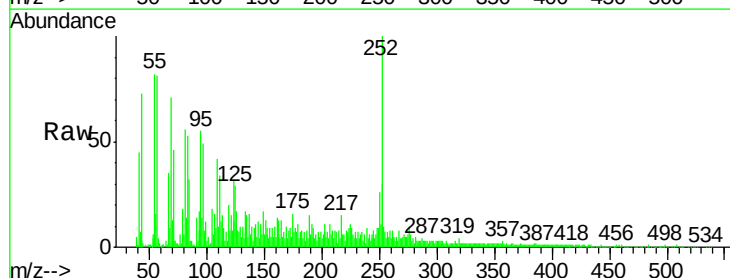
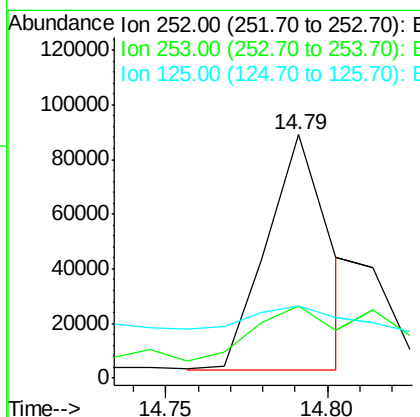
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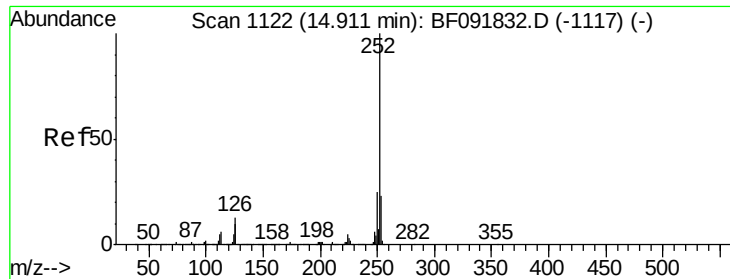
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#87
Benzo(b)fluoranthene
Concen: 9.17 ng m
RT: 14.79 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.2	27.4#
125	29.5	9.8	14.6#





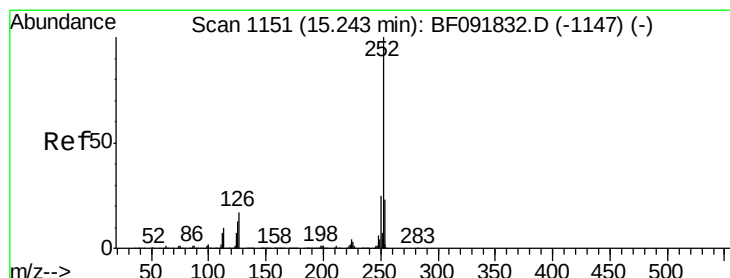
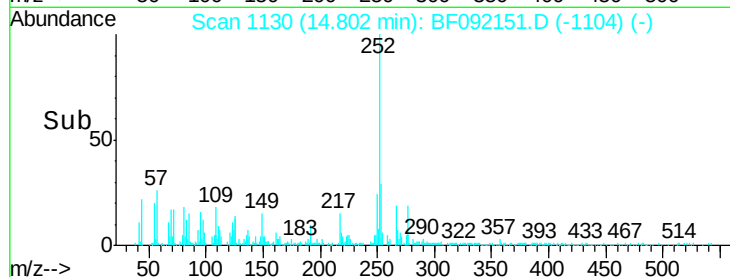
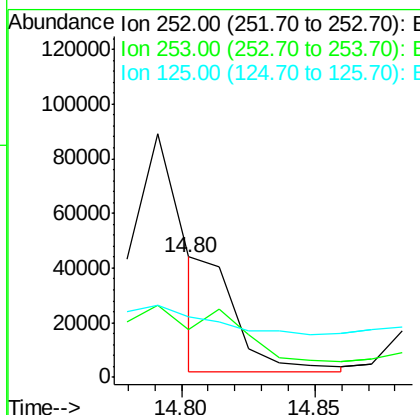
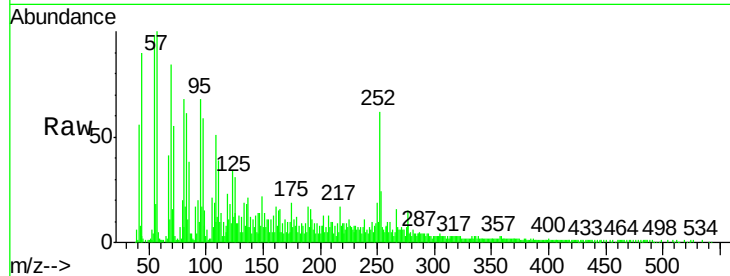
#88
Benzo(k)fluoranthene
Concen: 3.42 ng m
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Instrument :
BNA_F
ClientSampled :
P3-SP6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.1	18.5	27.7#
125	50.0	8.9	13.3#

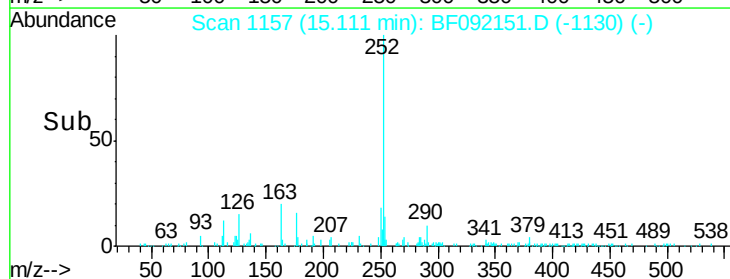
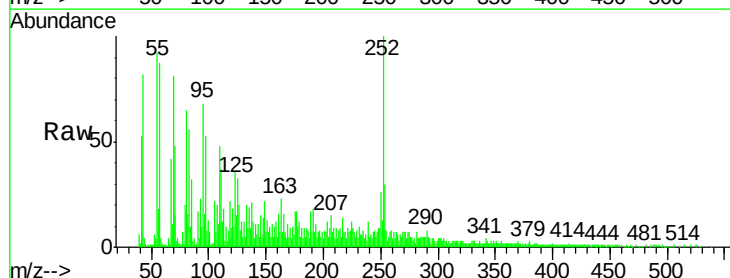
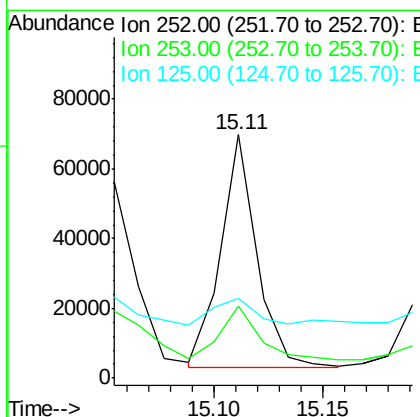
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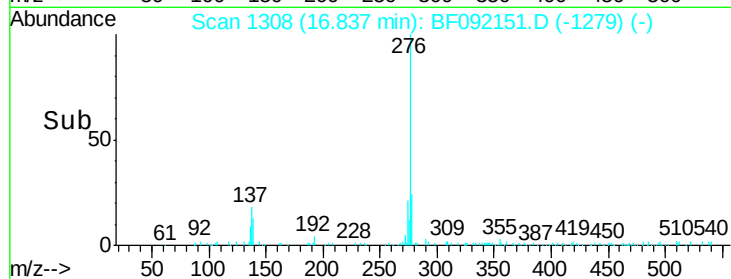
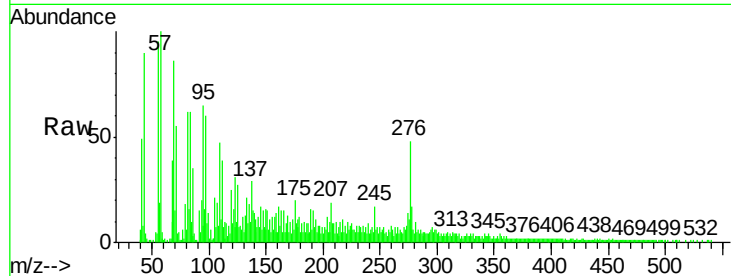
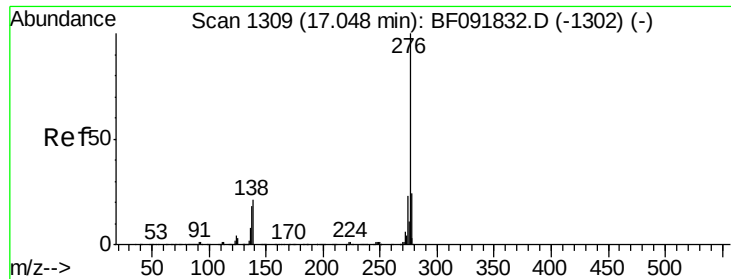
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#89
Benzo(a)pyrene
Concen: 6.86 ng
RT: 15.11 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF092151.D
Acq: 9 Jan 2017 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.2	27.2#
125	32.8	10.0	15.0#





#91

Benzo(g,h,i)perylene

Concen: 4.36 ng

RT: 16.84 min Scan# 1308

Delta R.T. 0.03 min

Lab File: BF092151.D

Acq: 9 Jan 2017 21:29

Instrument :

BNA_F

ClientSampleId :

P3-SP6

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.9	19.2	28.8#
138	30.1	16.0	24.0#

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