

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092150.D
 Acq On : 9 Jan 2017 21:02
 Operator : UM/SJ
 Sample : I1057-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP5

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:29 AM

Quant Time: Jan 10 03:21:47 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	200146	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	695322	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	296810	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	422213	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	303719	20.00	ng	0.00
86) Perylene-d12	15.17	264	212987	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1175299	98.05	ng	0.00
7) Phenol-d6	6.31	99	1722216	117.68	ng	0.00
23) Nitrobenzene-d5	7.20	82	770253	61.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	126455	51.48	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	1254392	86.88	ng	0.00
78) Terphenyl-d14	12.73	244	867316	69.26	ng	-0.01
Target Compounds						
10) Phenol	6.32	94	106014	6.36	ng	Qvalue # 64
31) Naphthalene	7.94	128	121281	3.81	ng	97
49) Dimethylphthalate	9.40	163	98035	5.16	ng	99
51) Acenaphthene	9.70	154	131126	7.81	ng	99
54) Dibenzofuran	9.88	168	137528	6.07	ng	94
57) Fluorene	10.22	166	117649	7.14	ng	100
70) Phenanthrene	11.18	178	592587	25.88	ng	97
71) Anthracene	11.23	178	145454	5.05	ng	97
72) Carbazole	11.39	167	68400	2.65	ng	96
74) Fluoranthene	12.36	202	513865	23.78	ng	98
77) Pyrene	12.59	202	445267	19.98	ng	99
80) Benzo(a)anthracene	13.77	228	161537m	9.42	ng	
82) Chrysene	13.81	228	177498m	10.32	ng	
85) Indeno(1,2,3-cd)pyrene	16.45	276	55936	3.75	ng	# 88
87) Benzo(b)fluoranthene	14.79	252	150647m	11.36	ng	
88) Benzo(k)fluoranthene	14.80	252	42140m	3.73	ng	
89) Benzo(a)pyrene	15.11	252	94609	8.04	ng	# 74
91) Benzo(g,h,i)perylene	16.84	276	54853	5.45	ng	# 76

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

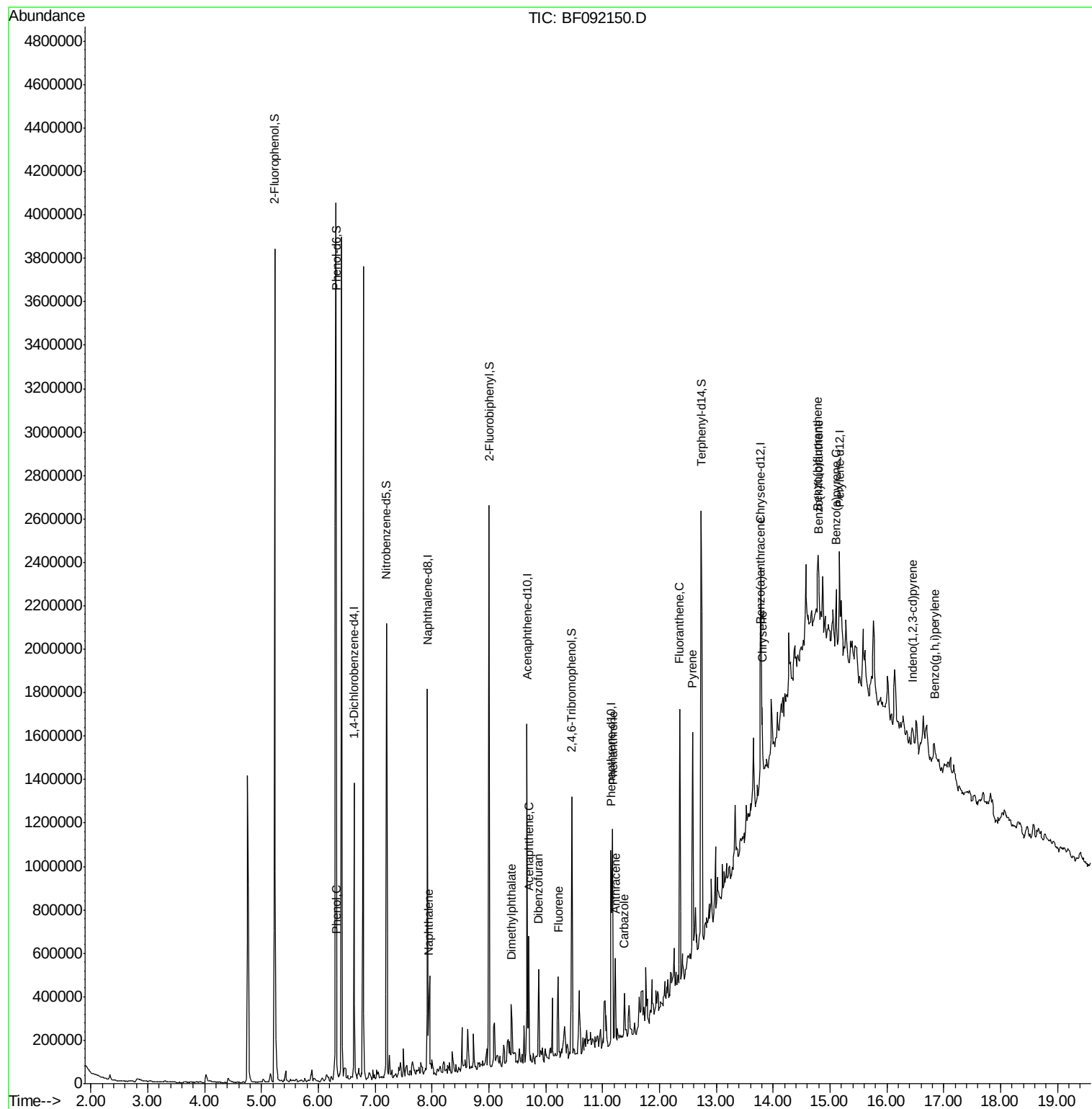
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092150.D
Acq On : 9 Jan 2017 21:02
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Misc :
ALS Vial : 16 Sample Multiplier: 1

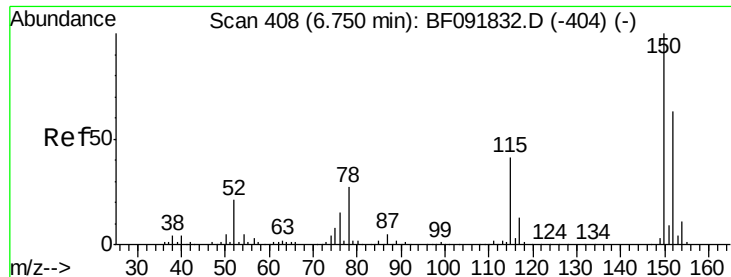
Instrument :
BNA_F
ClientSampleId :
P3-SP5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

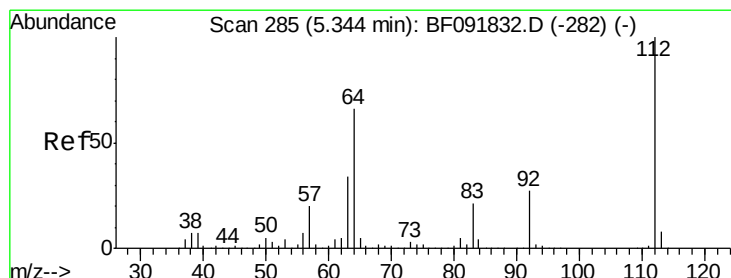
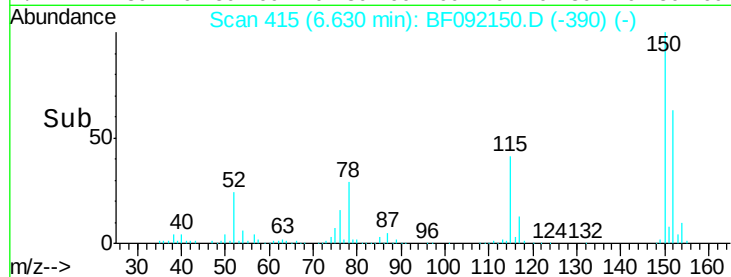
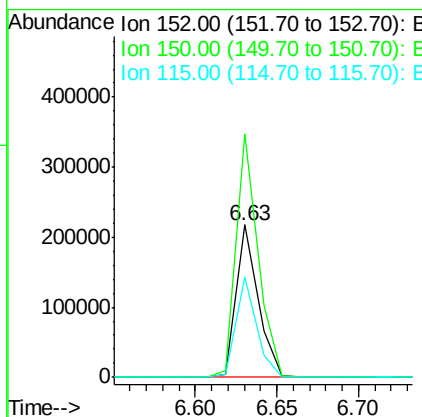
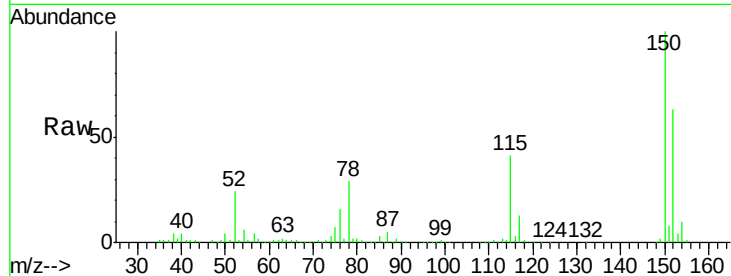
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 415
Delta R.T. -0.01 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Instrument :
BNA_F
ClientSampled :
P3-SP5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	200146		
150	159.6	124.9	187.3	
115	66.1	46.0	69.0	

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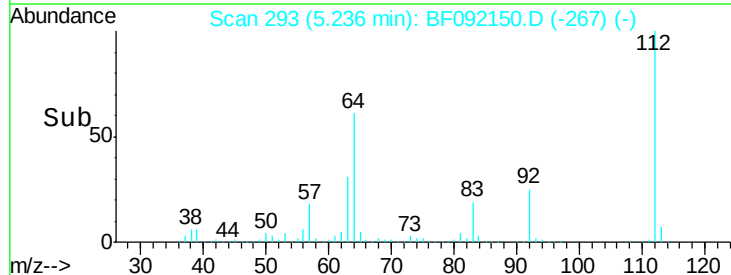
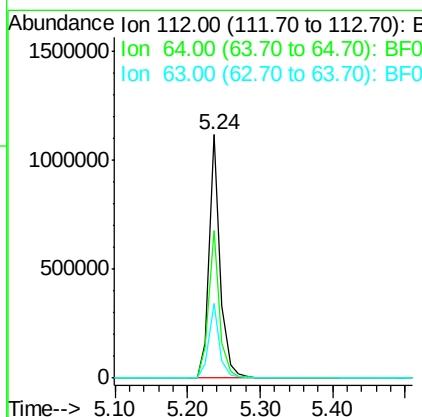
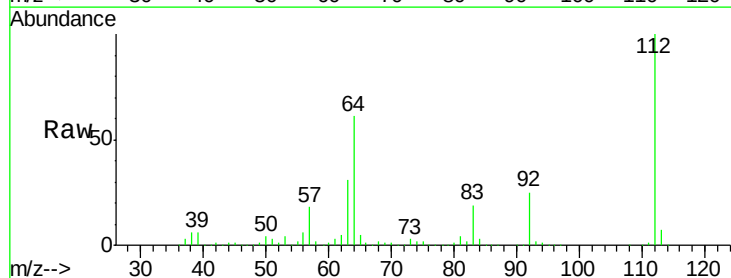
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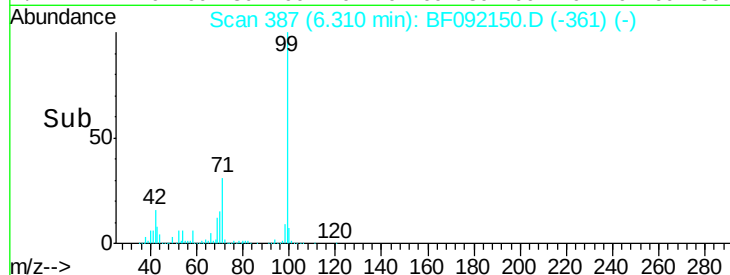
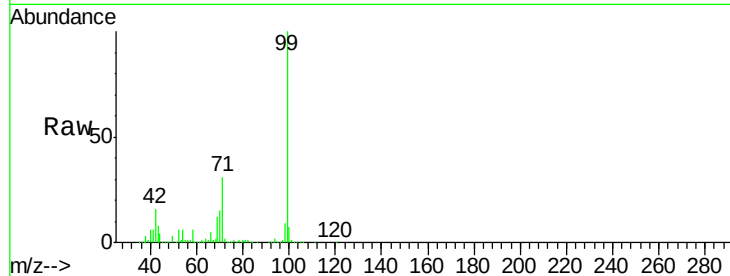
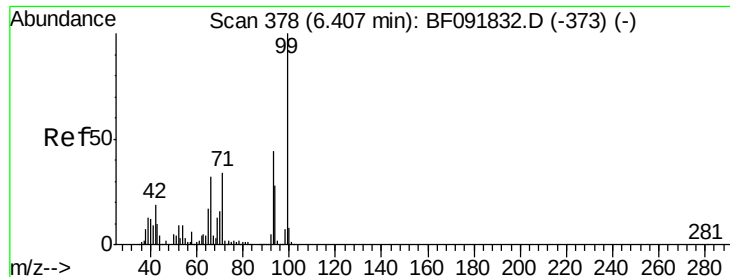


#5

2-Fluorophenol
Concen: 98.05 ng
RT: 5.24 min Scan# 293
Delta R.T. 0.00 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1175299		
64	60.5	46.1	69.1	
63	30.7	23.8	35.6	





#7

Phenol-d6

Concen: 117.68 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Tgt Ion:	99	Resp:	1722216
Ion	Ratio	Lower	Upper
99	100		
42	16.2	15.6	23.4
71	30.9	27.5	41.3

Instrument :

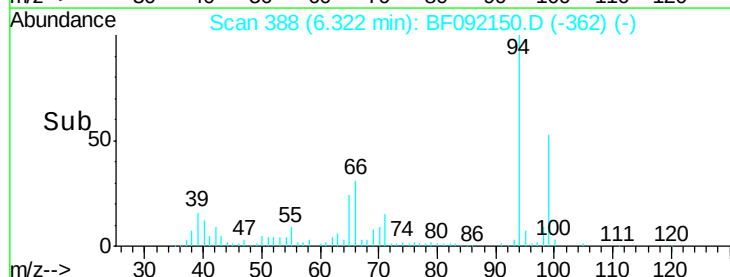
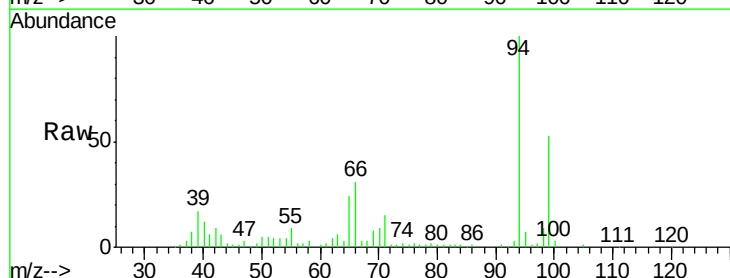
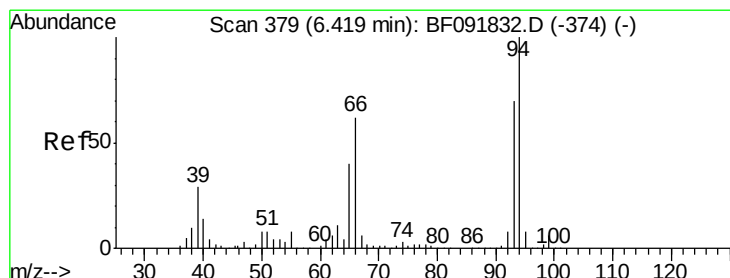
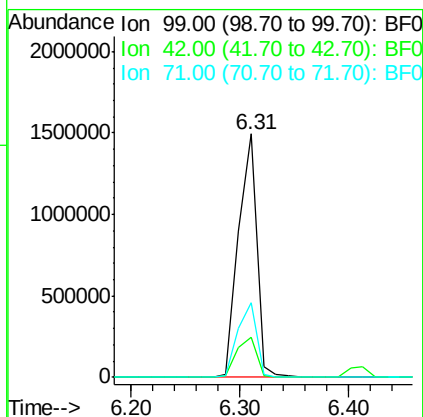
BNA_F

ClientSampleId :

P3-SP5

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#10

Phenol

Concen: 6.36 ng

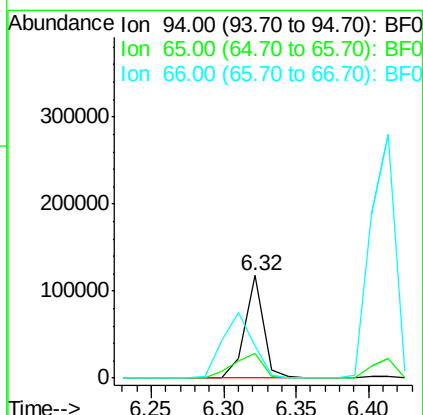
RT: 6.32 min Scan# 388

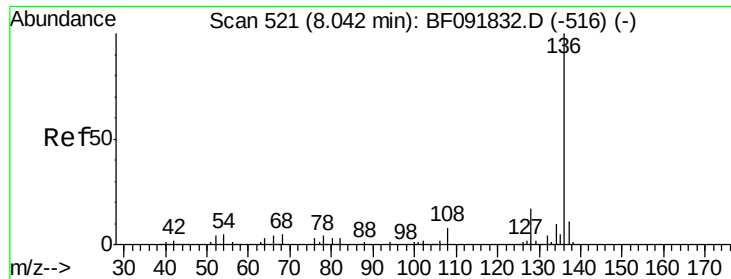
Delta R.T. 0.00 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Tgt Ion:	94	Resp:	106014
Ion	Ratio	Lower	Upper
94	100		
65	23.7	21.4	61.4
66	31.4	44.0	84.0#





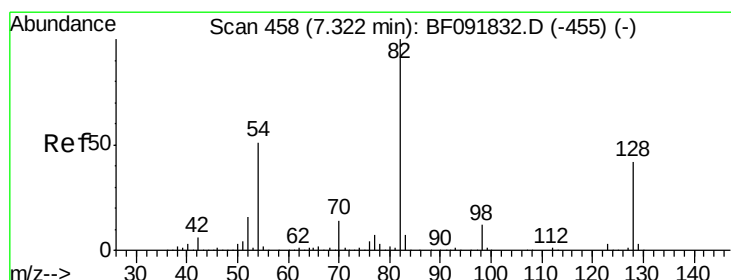
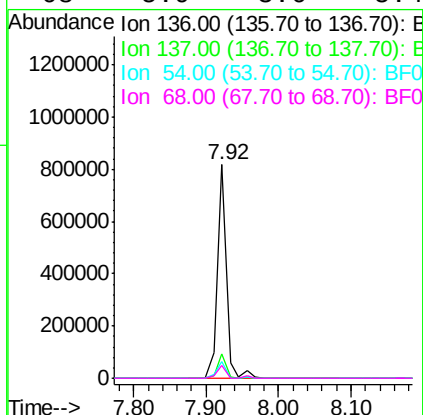
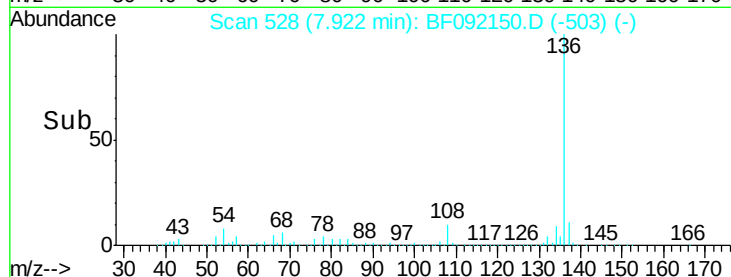
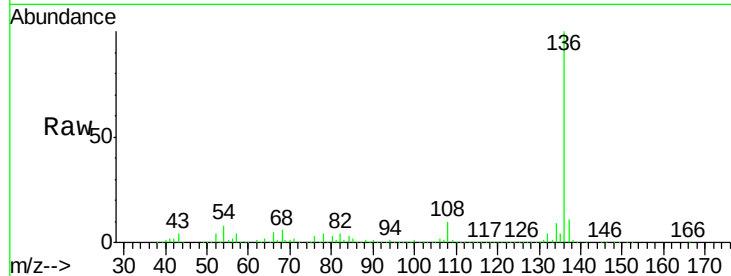
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Instrument :
BNA_F
ClientSampleId :
P3-SP5

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	695322		
137	11.2	8.4	12.6	
54	7.5	4.5	6.7#	
68	5.9	3.6	5.4#	

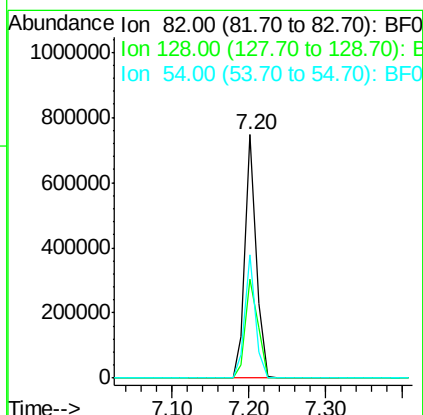
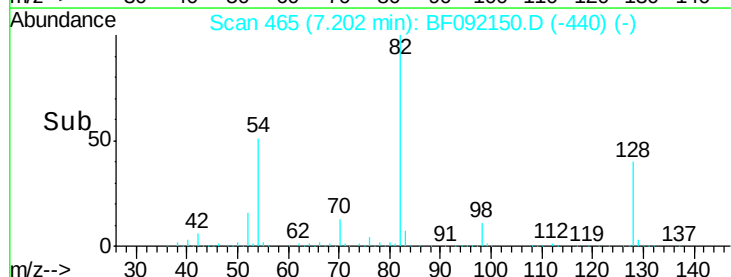
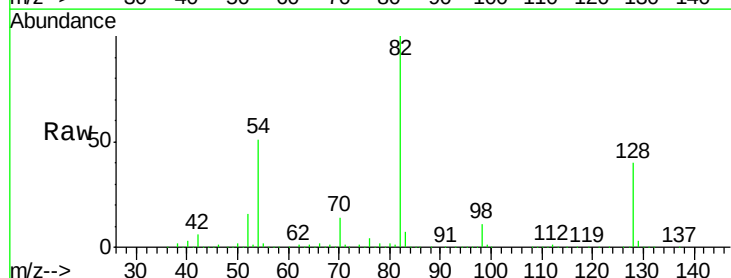
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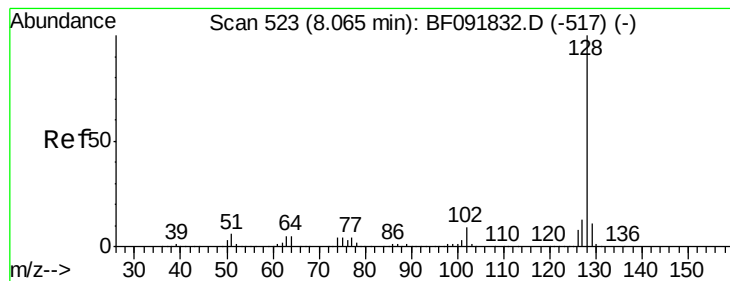
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#23
Nitrobenzene-d5
Concen: 61.60 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	770253		
128	40.5	34.6	52.0	
54	50.5	39.5	59.3	





#31

Naphthalene

Concen: 3.81 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

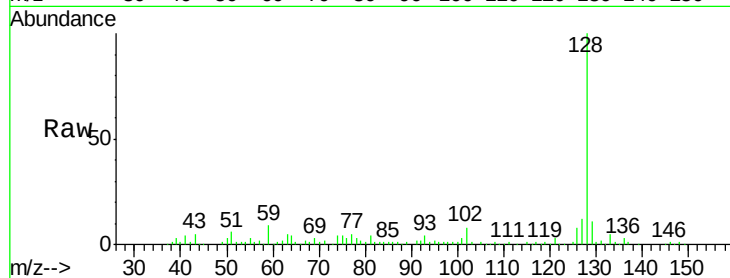
ClientSampleId :

P3-SP5

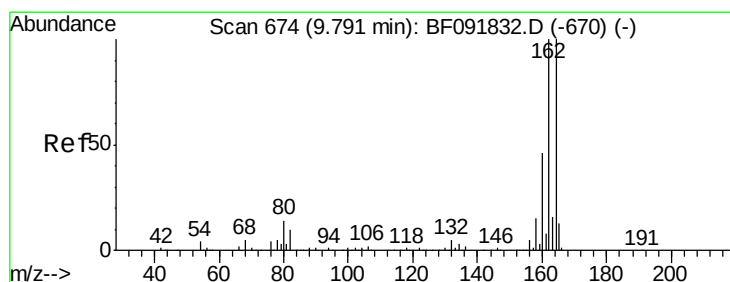
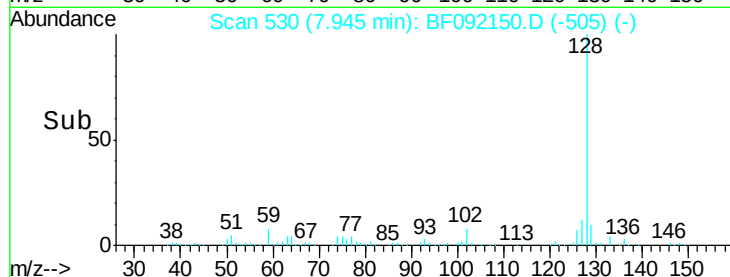
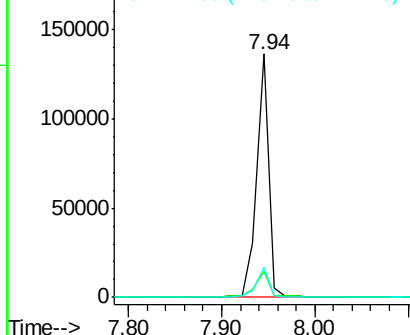
Tgt Ion:	128	Resp:	121281
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.5	14.3
127	12.1	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

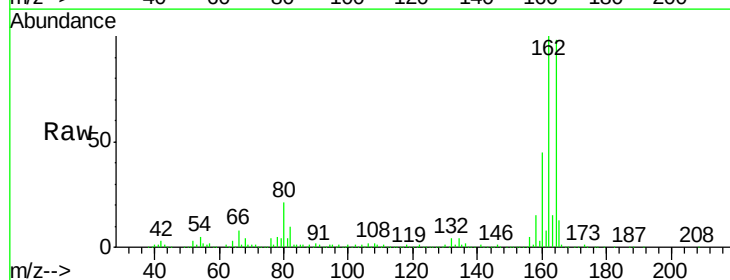
RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

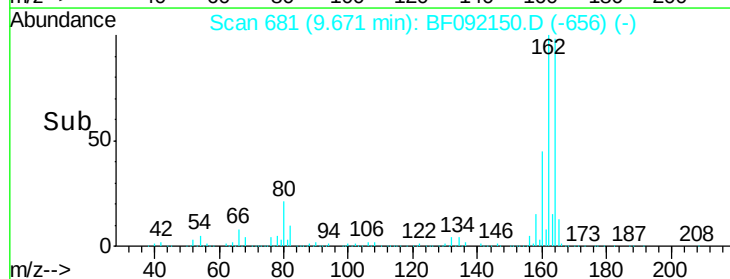
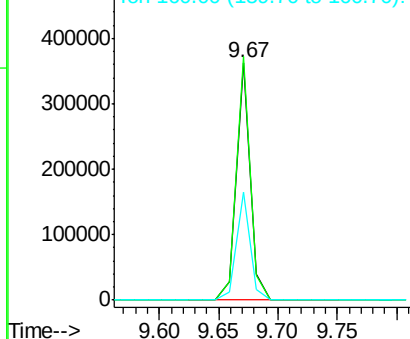
Lab File: BF092150.D

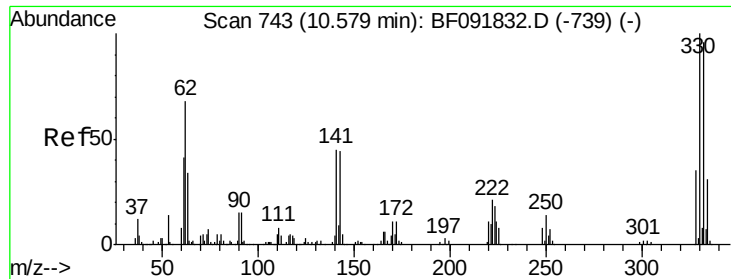
Acq: 9 Jan 2017 21:02

Tgt Ion:	164	Resp:	296810
Ion Ratio	Lower	Upper	
164	100		
162	102.4	80.2	120.2
160	45.6	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





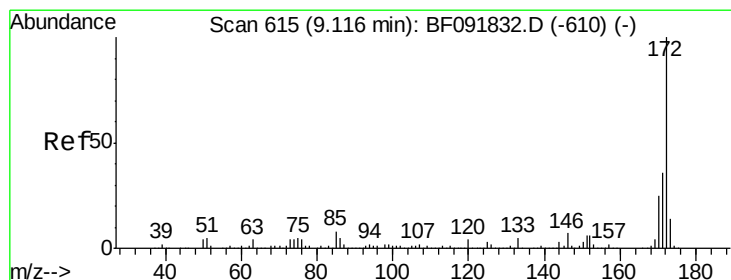
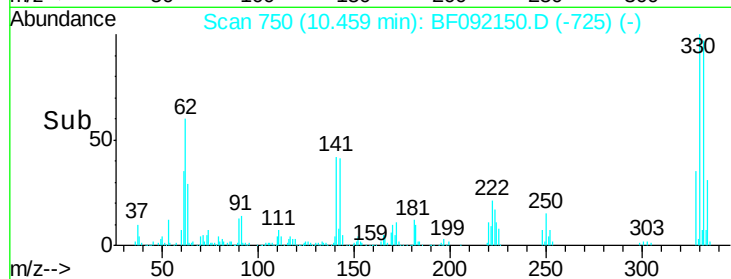
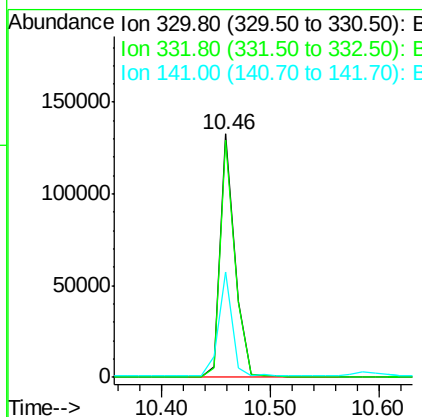
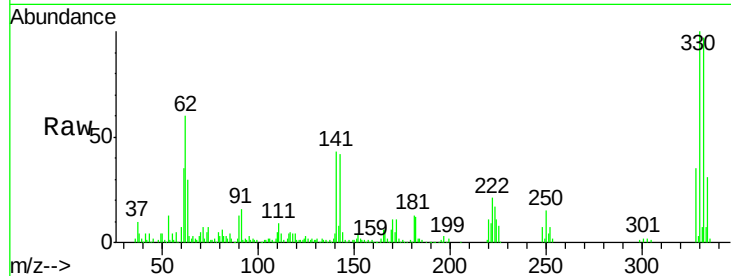
#41
 2,4,6-Tribromophenol
 Concen: 51.48 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092150.D
 Acq: 9 Jan 2017 21:02

Instrument :
 BNA_F
 ClientSampled :
 P3-SP5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	126455		
332	97.3	77.4	116.2	
141	40.2	34.1	51.1	

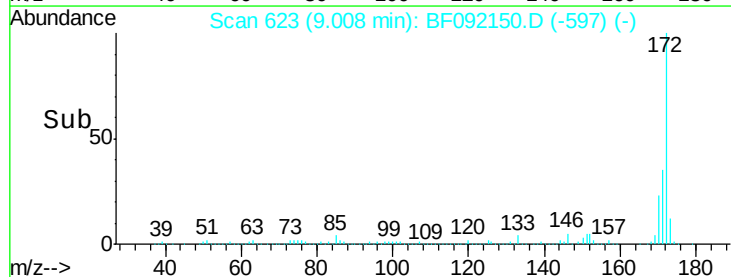
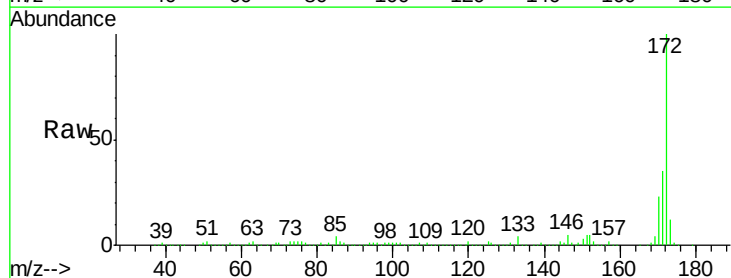
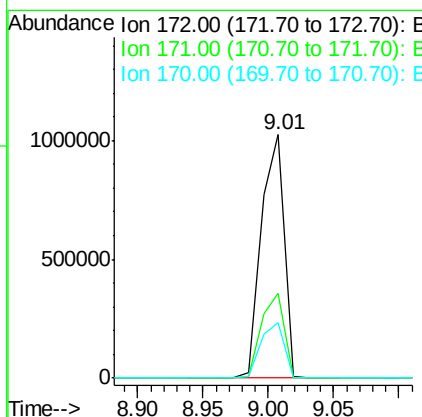
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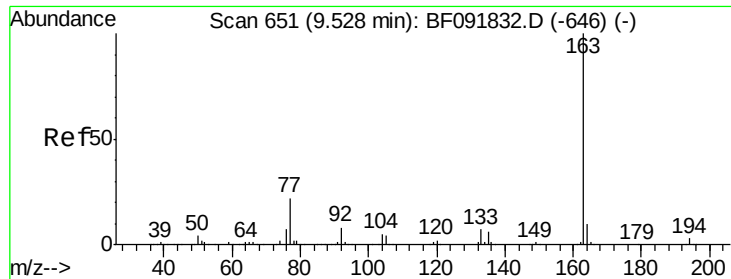
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#44
 2-Fluorobiphenyl
 Concen: 86.88 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092150.D
 Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1254392		
171	34.8	29.4	44.0	
170	23.0	20.2	30.4	





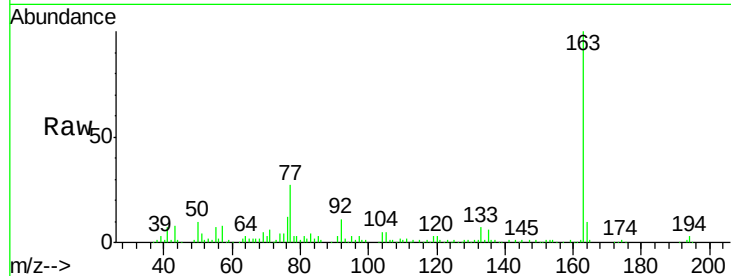
#49
Dimethylphthalate
Concen: 5.16 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Instrument :
BNA_F
ClientSampled :
P3-SP5

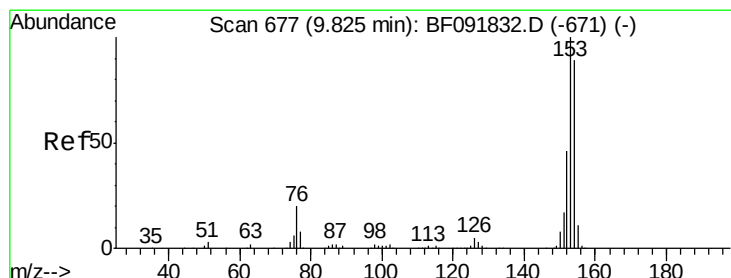
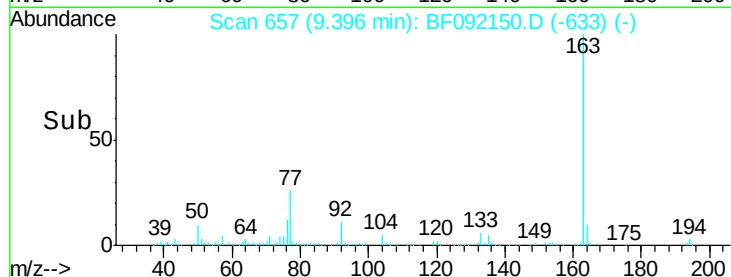
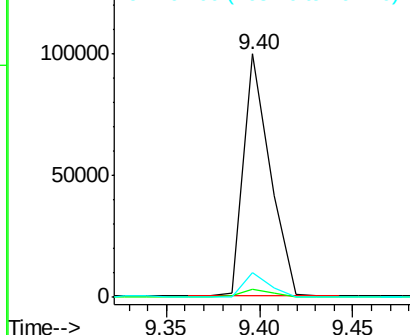
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	98035		
194	3.1		3.0	4.4
164	10.1		8.0	12.0

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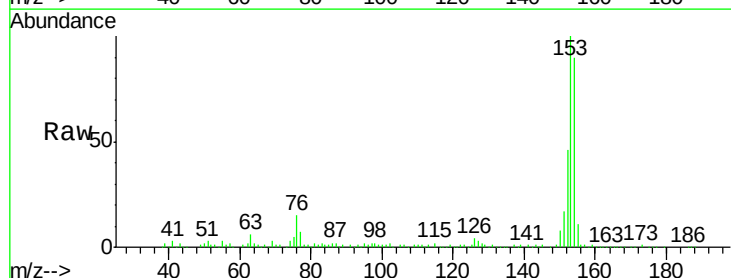


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

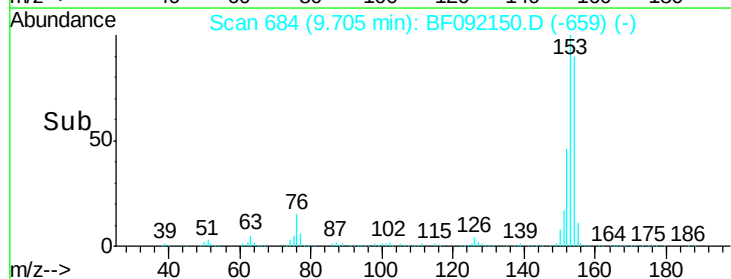
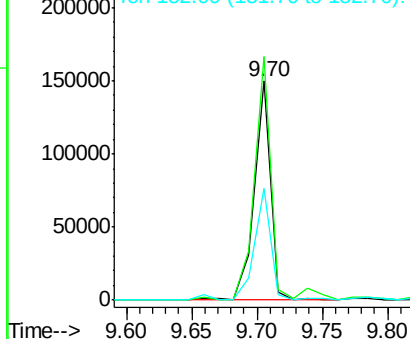


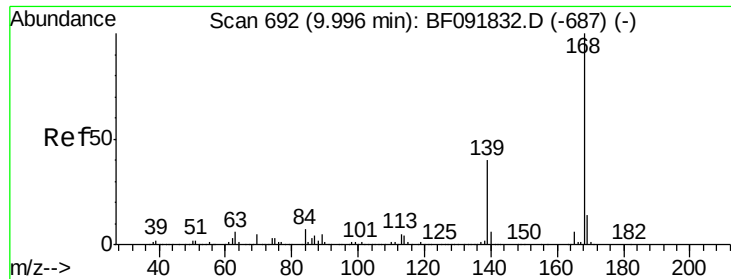
#51
Acenaphthene
Concen: 7.81 ng
RT: 9.70 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	131126		
153	111.2		88.6	133.0
152	51.2		41.6	62.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





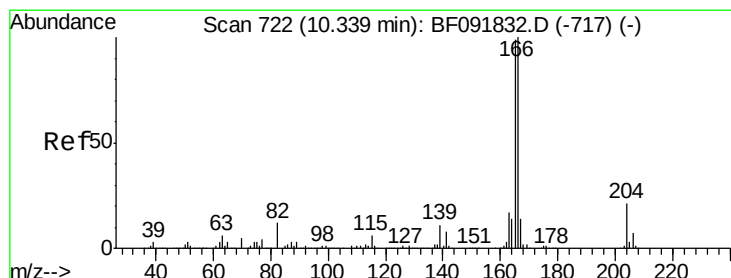
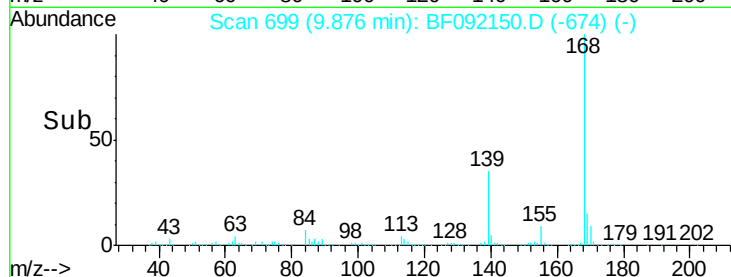
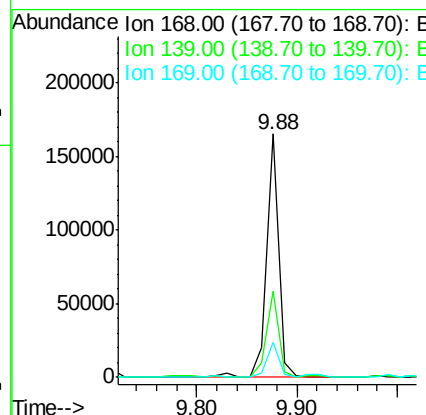
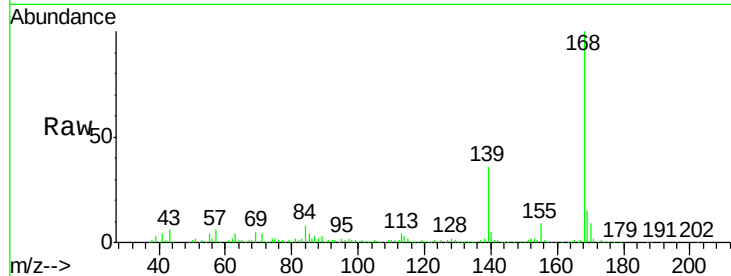
#54
Dibenzofuran
Concen: 6.07 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Instrument :
BNA_F
ClientSampleId :
P3-SP5

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	137528		
139	35.6	32.6	49.0	
169	14.5	11.3	16.9	

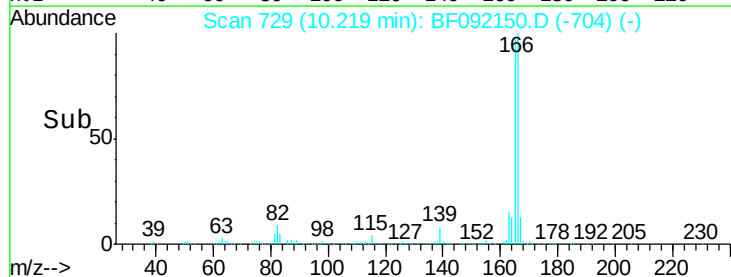
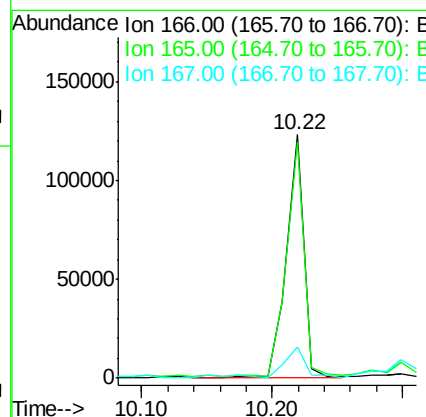
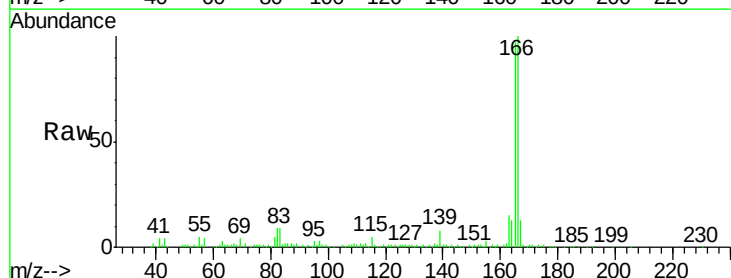
Manual Integrations
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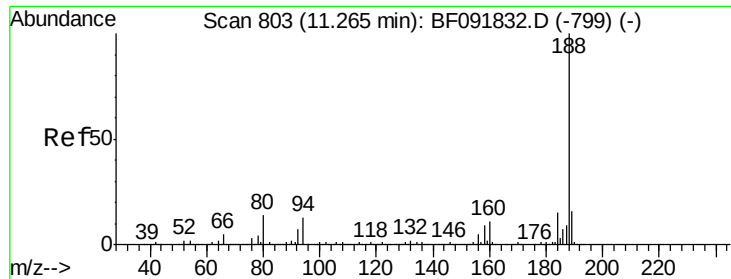
Sohil
1/10/2017 10:01:29 AM



#57
Fluorene
Concen: 7.14 ng
RT: 10.22 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF092150.D
Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	117649		
165	97.1	77.8	116.8	
167	13.0	10.8	16.2	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

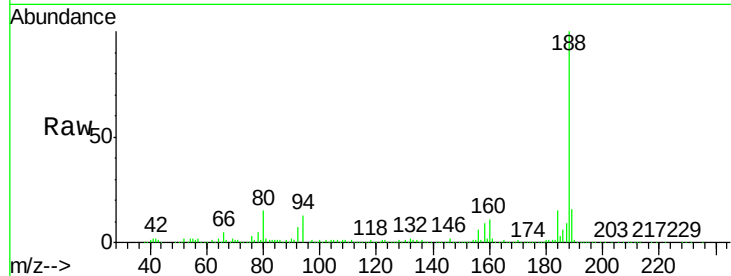
ClientSampleId :

P3-SP5

Tgt Ion:	188	Resp:	422213
Ion Ratio	Lower	Upper	
188	100		
94	13.5	10.0	15.0
80	14.7	11.2	16.8

Manual Integrations
APPROVED

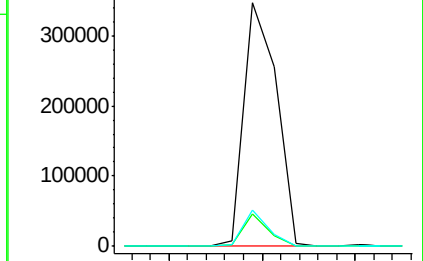
Sohil
1/10/2017 10:01:29 AM



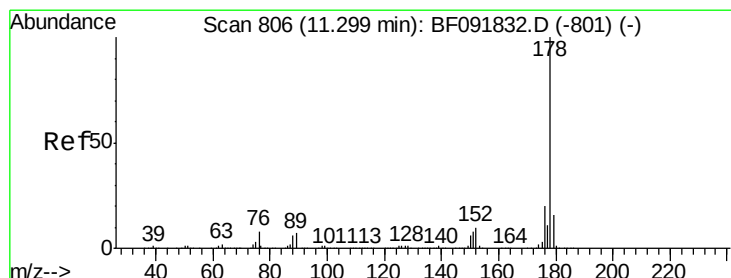
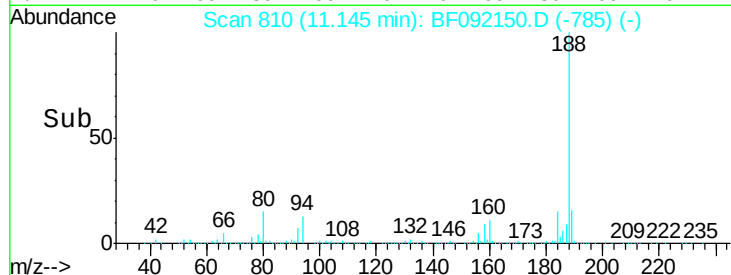
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 25.88 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092150.D

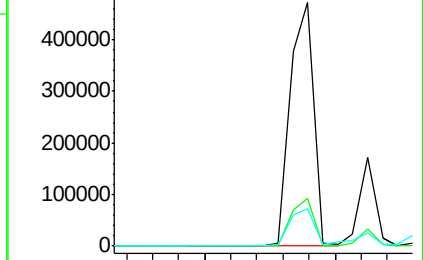
Acq: 9 Jan 2017 21:02

Tgt Ion:	178	Resp:	592587
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.6	25.0
179	15.2	12.8	19.2

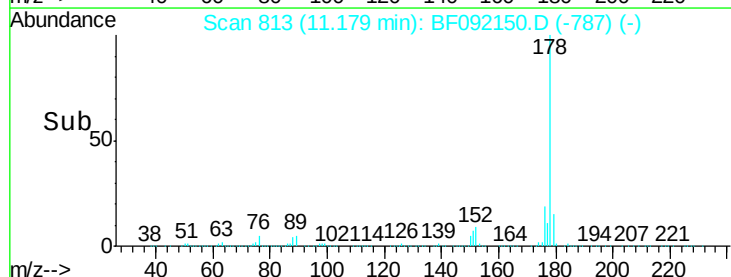
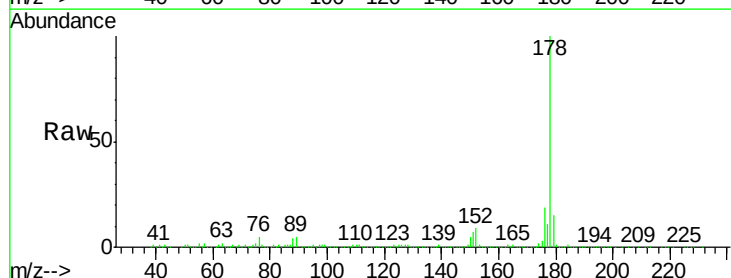
Abundance Ion 178.00 (177.70 to 178.70): E

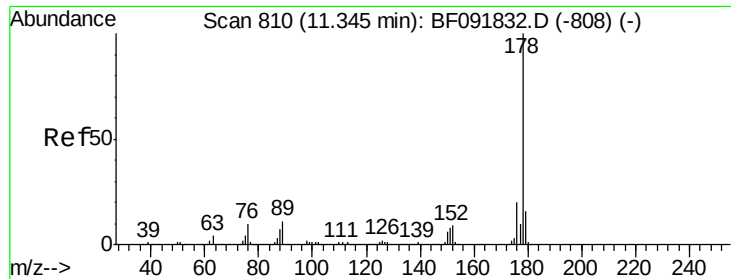
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





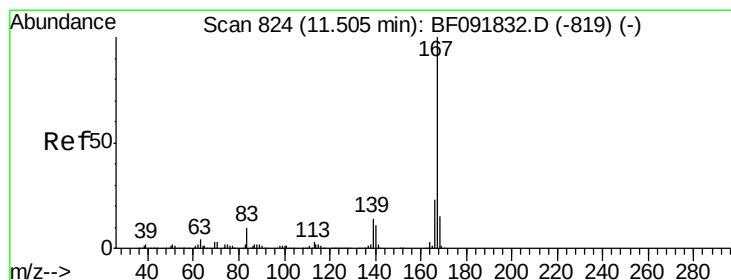
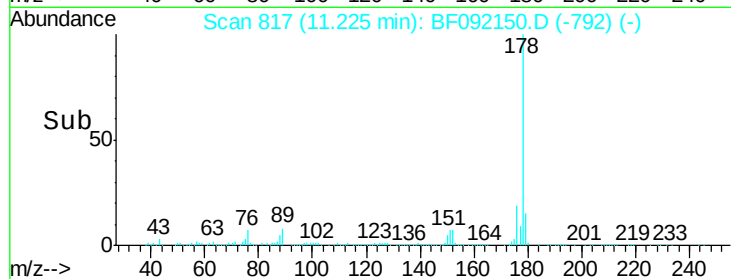
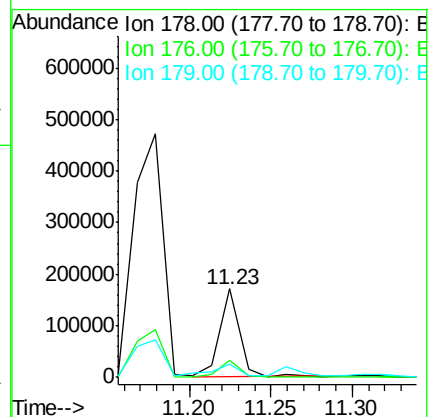
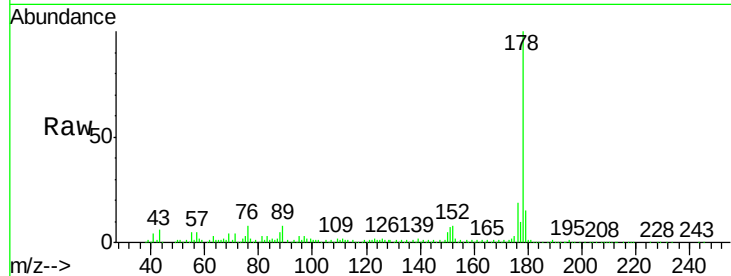
#71
 Anthracene
 Concen: 5.05 ng
 RT: 11.23 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092150.D
 Acq: 9 Jan 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.0	13.2	19.8

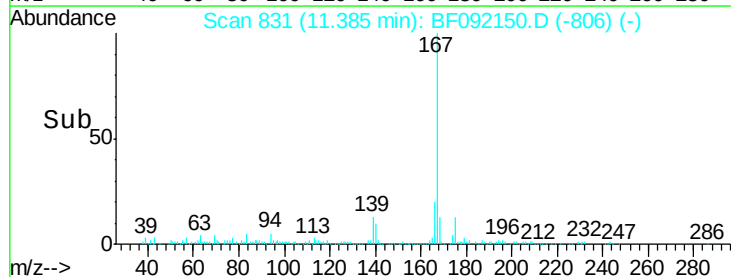
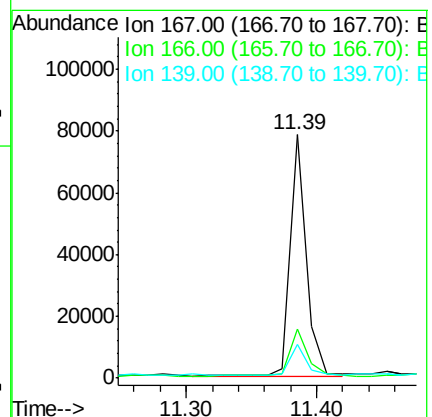
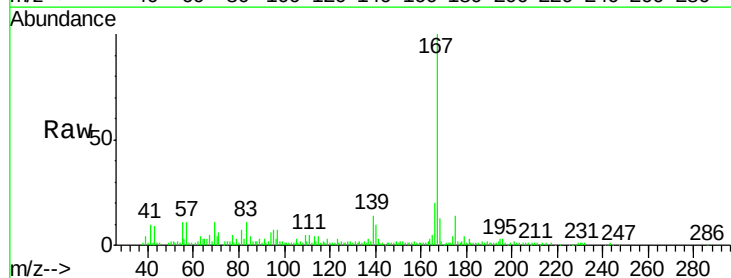
Manual Integrations
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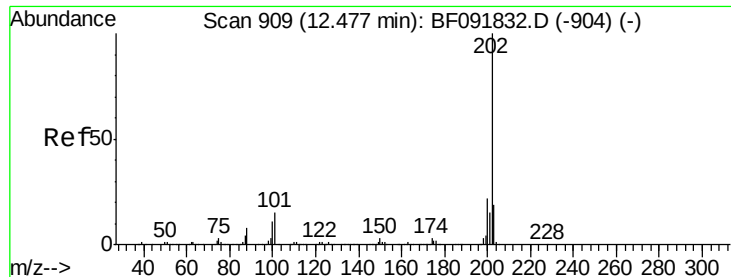
Sohil
 1/10/2017 10:01:29 AM



#72
 Carbazole
 Concen: 2.65 ng
 RT: 11.39 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF092150.D
 Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	18.2	27.2
139	13.7	11.4	17.2





#74

Fluoranthene

Concen: 23.78 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

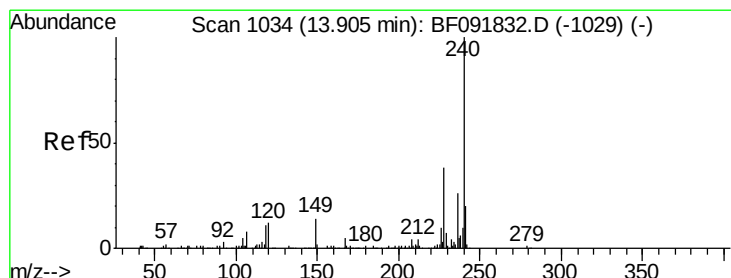
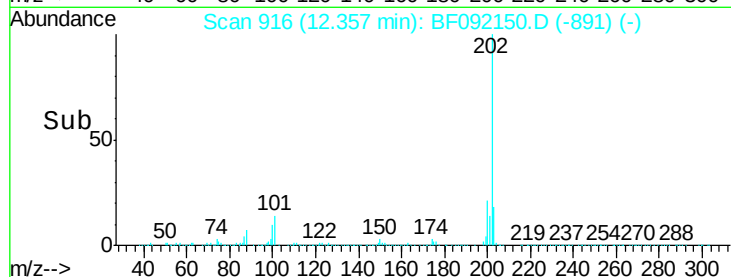
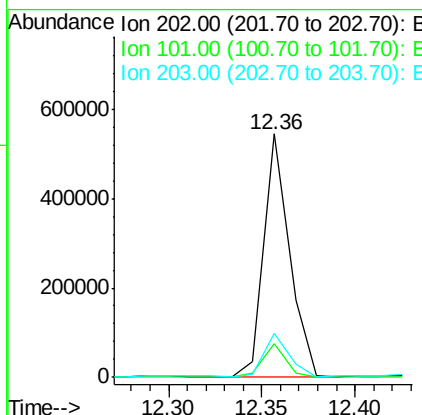
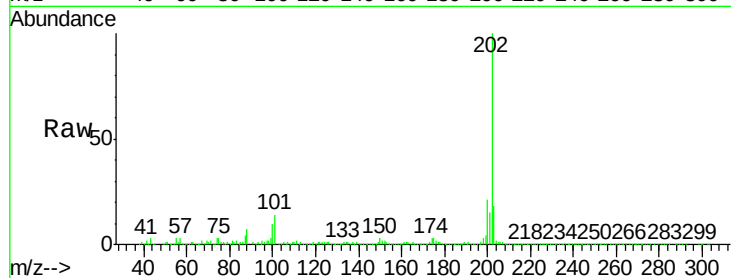
ClientSampleId :

P3-SP5

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		513865		
101	13.8	0.0	34.6		
203	18.1	0.0	38.7		

Manual Integrations
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Sohil
1/10/2017 10:01:29 AM



#75

Chrysene-d12

Concen: 20.00 ng

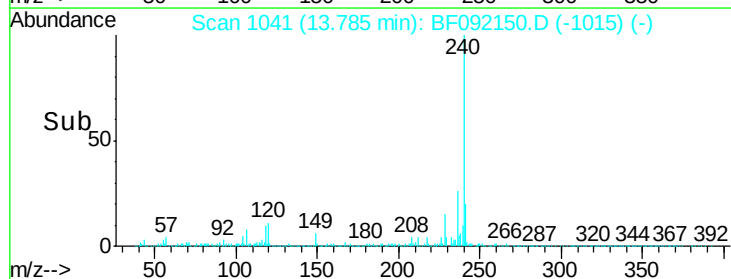
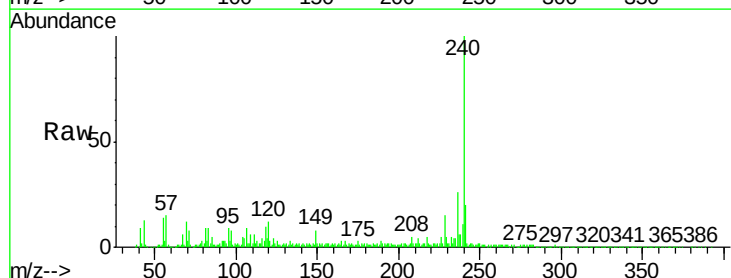
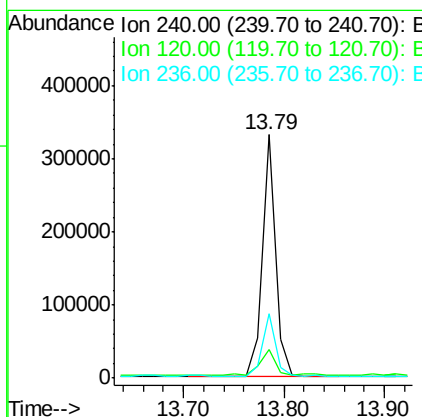
RT: 13.79 min Scan# 1041

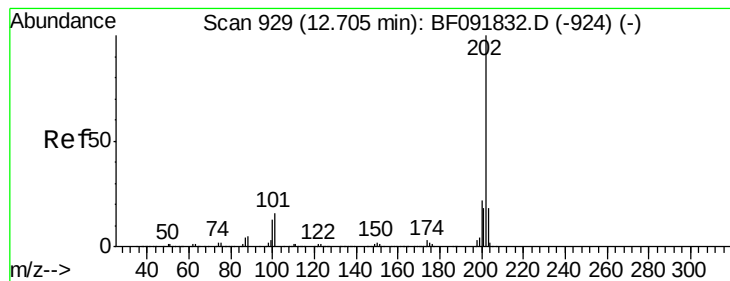
Delta R.T. 0.00 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		303719		
120	12.0	12.9	19.3#		
236	26.2	20.9	31.3		





#77

Pyrene

Concen: 19.98 ng

RT: 12.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

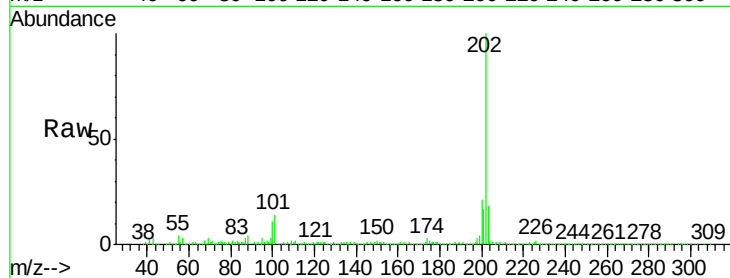
ClientSampleId :

P3-SP5

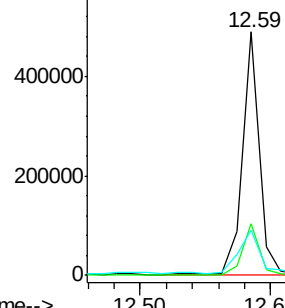
Tgt Ion:	202	Resp:	445267
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	18.4	14.7	22.1

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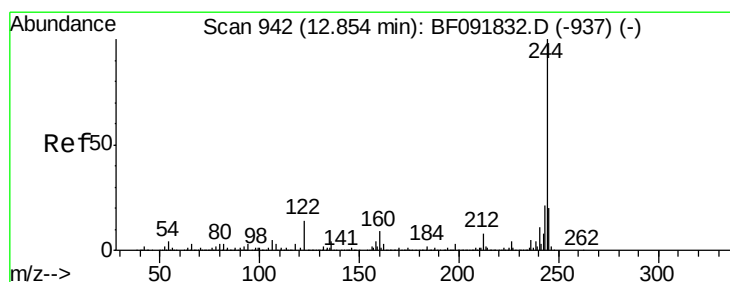
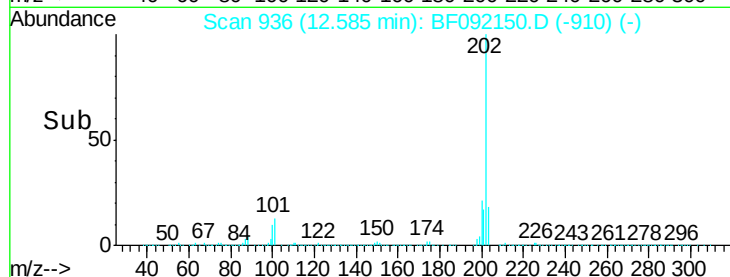
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 69.26 ng

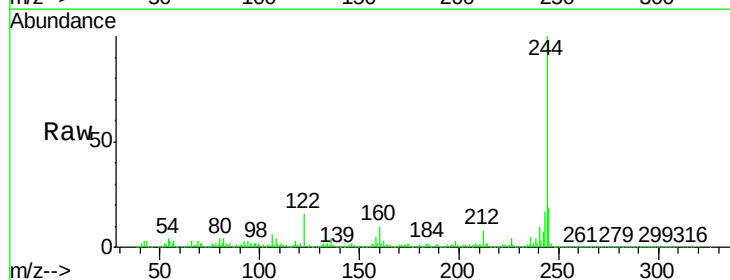
RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

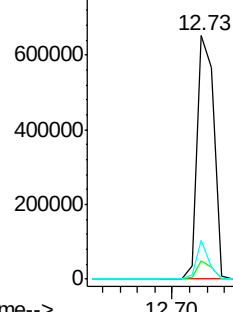
Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

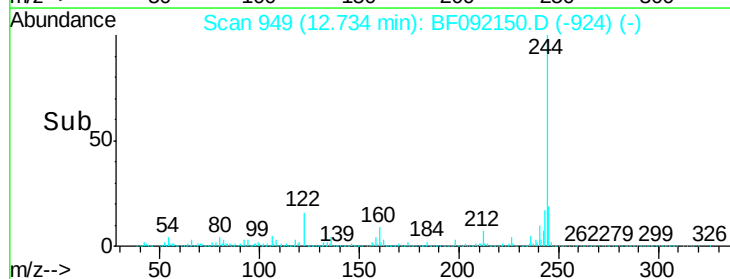
Tgt Ion:	244	Resp:	867316
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.2	9.2
122	15.9	11.4	17.2

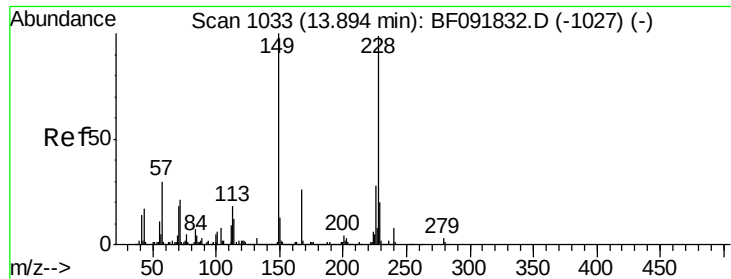


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 9.42 ng m

RT: 13.77 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

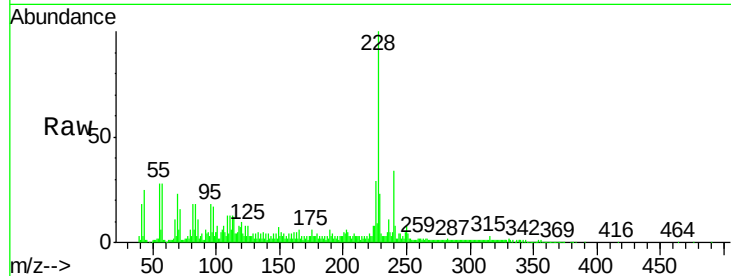
ClientSampleId :

P3-SP5

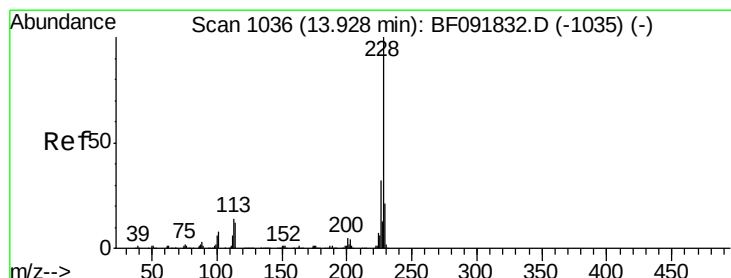
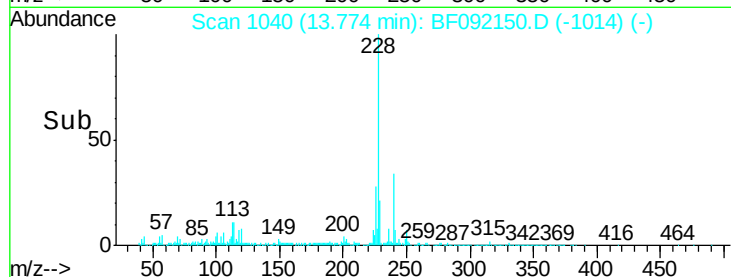
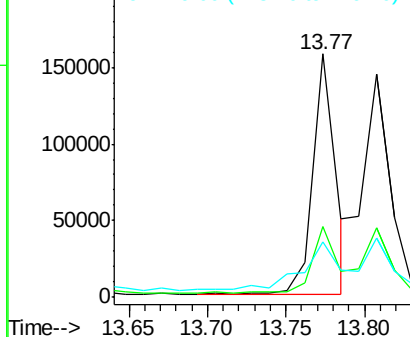
Tgt Ion:	228	Resp:	161537
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.4	33.6
229	23.0	16.2	24.4

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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



#82

Chrysene

Concen: 10.32 ng m

RT: 13.81 min Scan# 1043

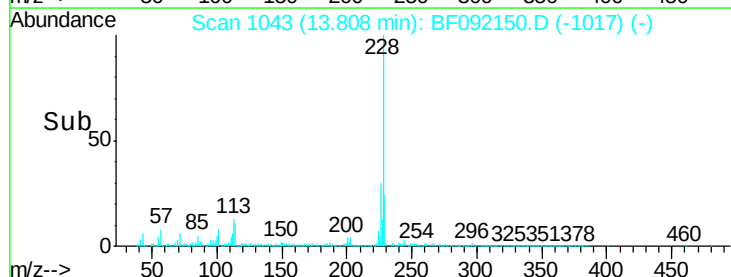
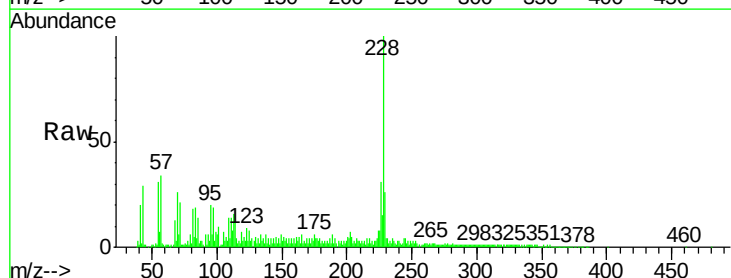
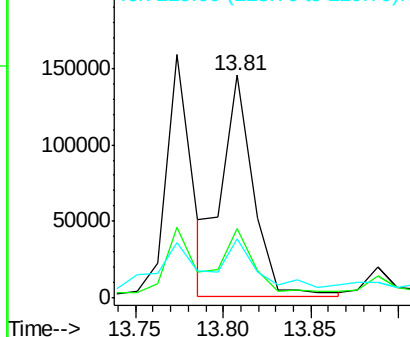
Delta R.T. 0.00 min

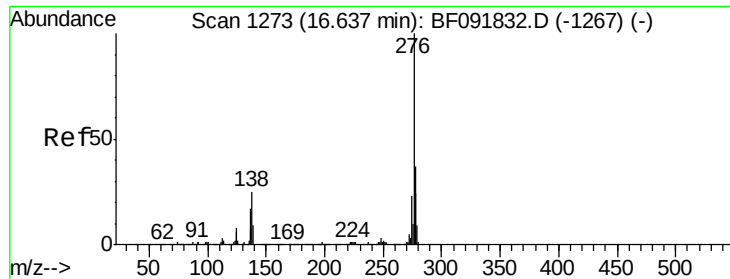
Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Tgt Ion:	228	Resp:	177498
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.4	38.0
229	26.3	16.2	24.2#

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





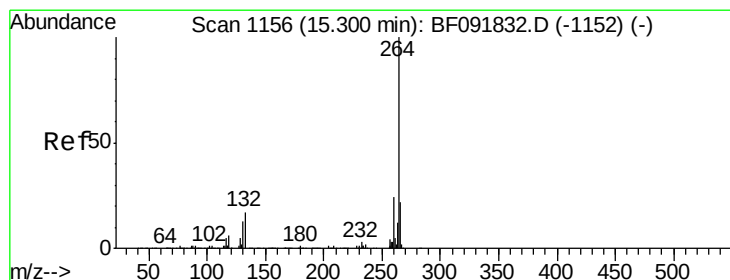
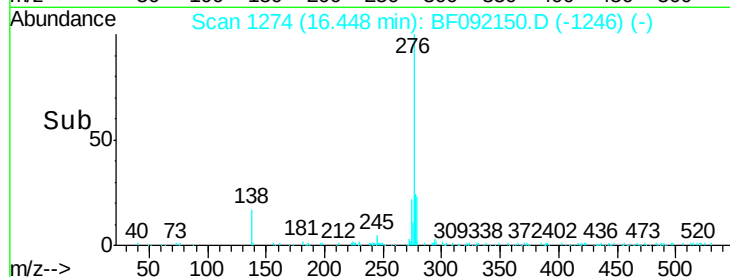
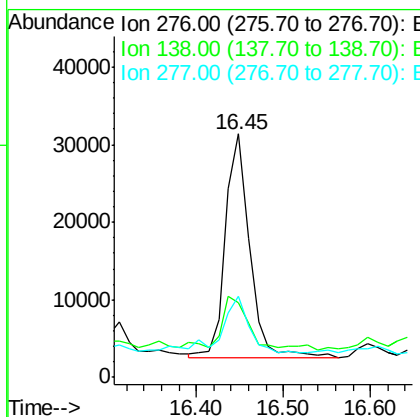
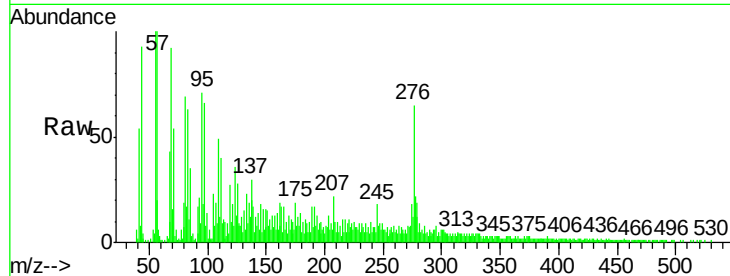
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.75 ng
 RT: 16.45 min Scan# 1274
 Delta R.T. 0.02 min
 Lab File: BF092150.D
 Acq: 9 Jan 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	21.8	32.6
277	33.4	20.2	30.4

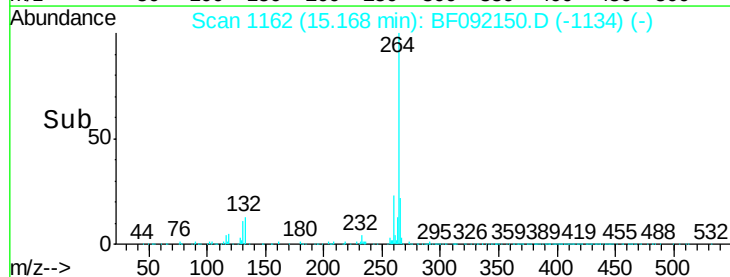
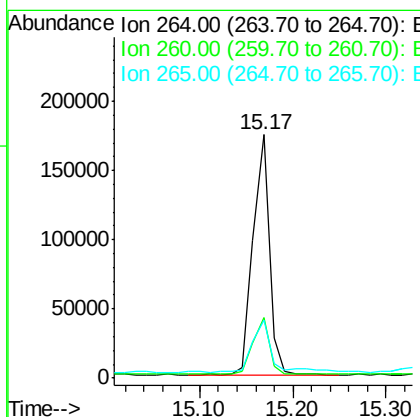
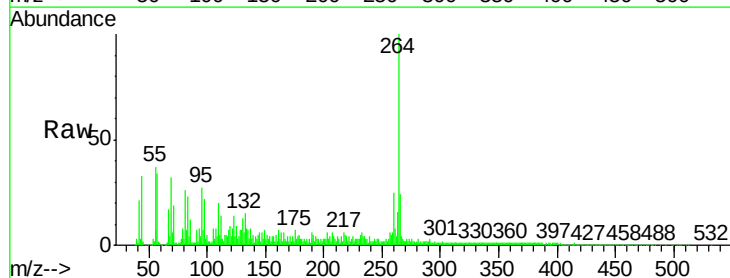
Manual Integrations
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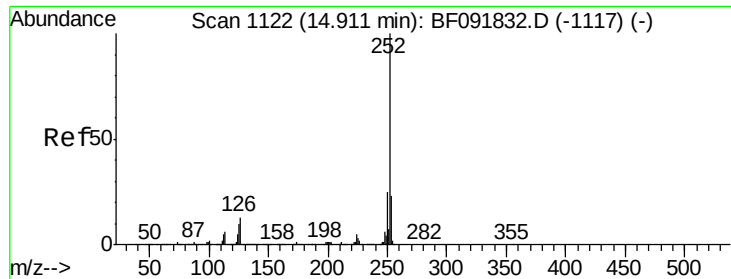
Sohil
 1/10/2017 10:01:29 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1162
 Delta R.T. 0.02 min
 Lab File: BF092150.D
 Acq: 9 Jan 2017 21:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	24.0	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 11.36 ng m

RT: 14.79 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

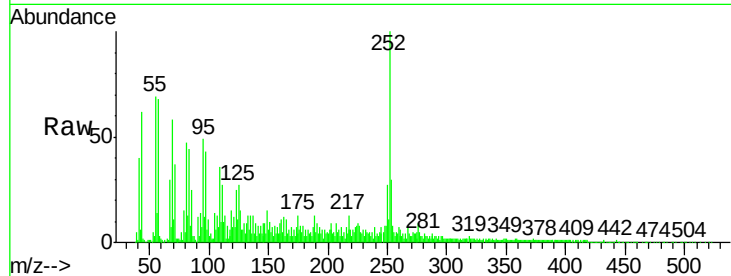
ClientSampleId :

P3-SP5

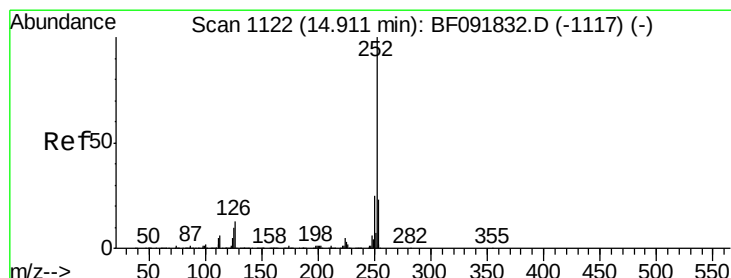
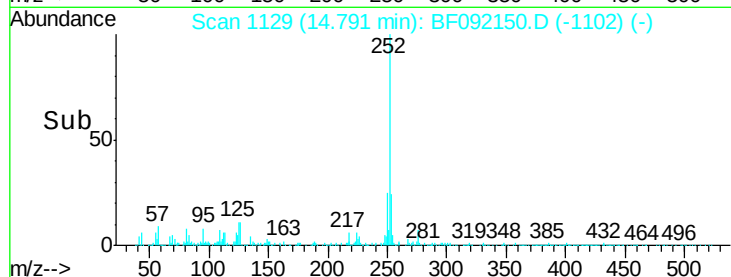
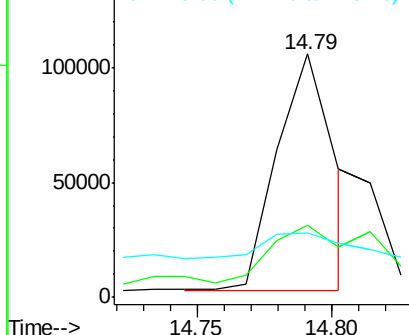
Tgt Ion:	252	Resp:	150647
Ion Ratio	Lower	Upper	
252	100		
253	29.5	18.2	27.4#
125	26.5	9.8	14.6#

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1/10/2017 10:01:29 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.73 ng m

RT: 14.80 min Scan# 1130

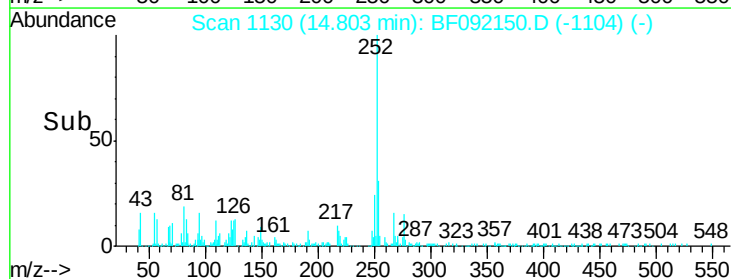
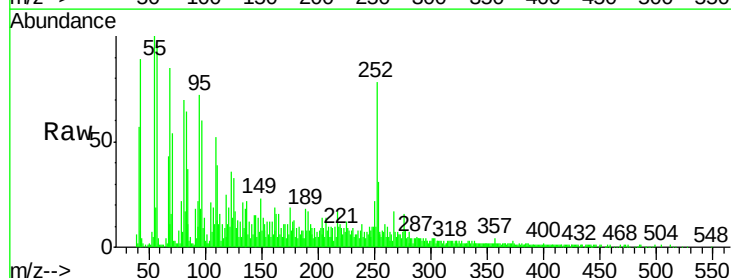
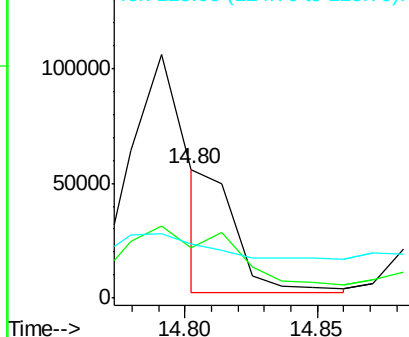
Delta R.T. 0.00 min

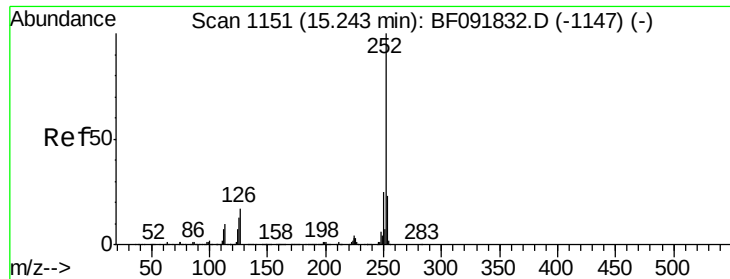
Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Tgt Ion:	252	Resp:	42140
Ion Ratio	Lower	Upper	
252	100		
253	39.0	18.5	27.7#
125	41.7	8.9	13.3#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.04 ng

RT: 15.11 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Instrument :

BNA_F

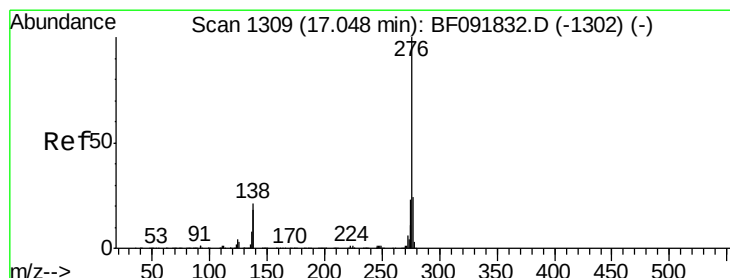
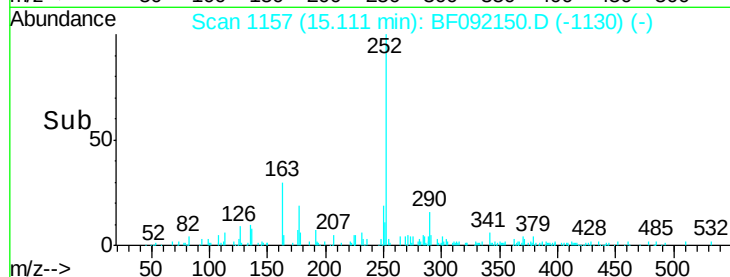
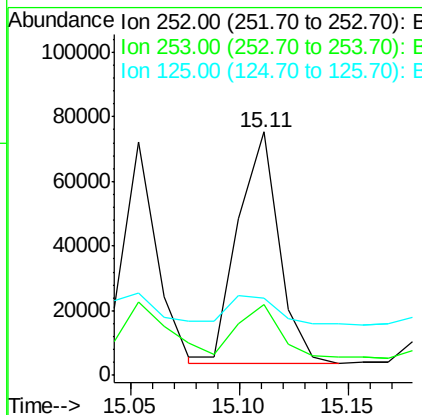
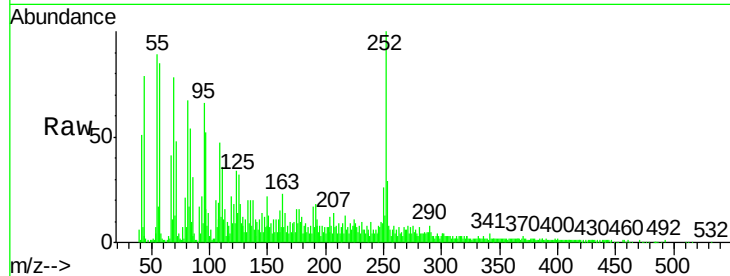
ClientSampled :

P3-SP5

Tgt Ion:	252	Resp:	94609
Ion Ratio	Lower	Upper	
252	100		
253	28.9	18.2	27.2#
125	31.8	10.0	15.0#

Manual Integrations
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Sohil
1/10/2017 10:01:29 AM



#91

Benzo(g,h,i)perylene

Concen: 5.45 ng

RT: 16.84 min Scan# 1308

Delta R.T. 0.03 min

Lab File: BF092150.D

Acq: 9 Jan 2017 21:02

Tgt Ion:	276	Resp:	54853
Ion Ratio	Lower	Upper	
276	100		
277	34.1	19.2	28.8#
138	32.8	16.0	24.0#

