

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092148.D
 Acq On : 9 Jan 2017 20:08
 Operator : UM/SJ
 Sample : I1057-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP3

Manual Integrations
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Quant Time: Jan 10 03:12:52 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	208542	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	798700	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	301351	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	420304	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	304335	20.00	ng	0.00
86) Perylene-d12	15.16	264	220368	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1136638	91.01	ng	0.00
7) Phenol-d6	6.30	99	1692787	111.01	ng	-0.01
23) Nitrobenzene-d5	7.20	82	1056272	73.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	169486	67.96	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1223718	82.88	ng	-0.01
78) Terphenyl-d14	12.73	244	923214	73.57	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.32	94	141672	8.15	ng	# 61
31) Naphthalene	7.93	128	258944	7.08	ng	98
37) 2-Methylnaphthalene	8.63	142	87954	2.64	ng	99
45) 1,1'-Biphenyl	9.10	154	45668	2.21	ng	98
49) Dimethylphthalate	9.40	163	127232	6.60	ng	99
51) Acenaphthene	9.70	154	206337	12.11	ng	98
54) Dibenzofuran	9.88	168	217256	9.44	ng	92
57) Fluorene	10.21	166	190323	11.37	ng	98
70) Phenanthrene	11.17	178	756497	33.19	ng	99
71) Anthracene	11.22	178	188721	6.83	ng	96
72) Carbazole	11.38	167	84569	3.28	ng	98
74) Fluoranthene	12.36	202	632085	30.37	ng	94
77) Pyrene	12.58	202	530041	23.74	ng	97
80) Benzo(a)anthracene	13.77	228	226833	13.20	ng	94
82) Chrysene	13.81	228	204278m	11.85	ng	
85) Indeno(1,2,3-cd)pyrene	16.44	276	75817	5.08	ng	96
87) Benzo(b)fluoranthene	14.78	252	180293m	13.14	ng	
88) Benzo(k)fluoranthene	14.79	252	83811m	7.16	ng	
89) Benzo(a)pyrene	15.10	252	127973	10.51	ng	# 80
91) Benzo(g,h,i)perylene	16.83	276	77130	7.41	ng	# 88

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

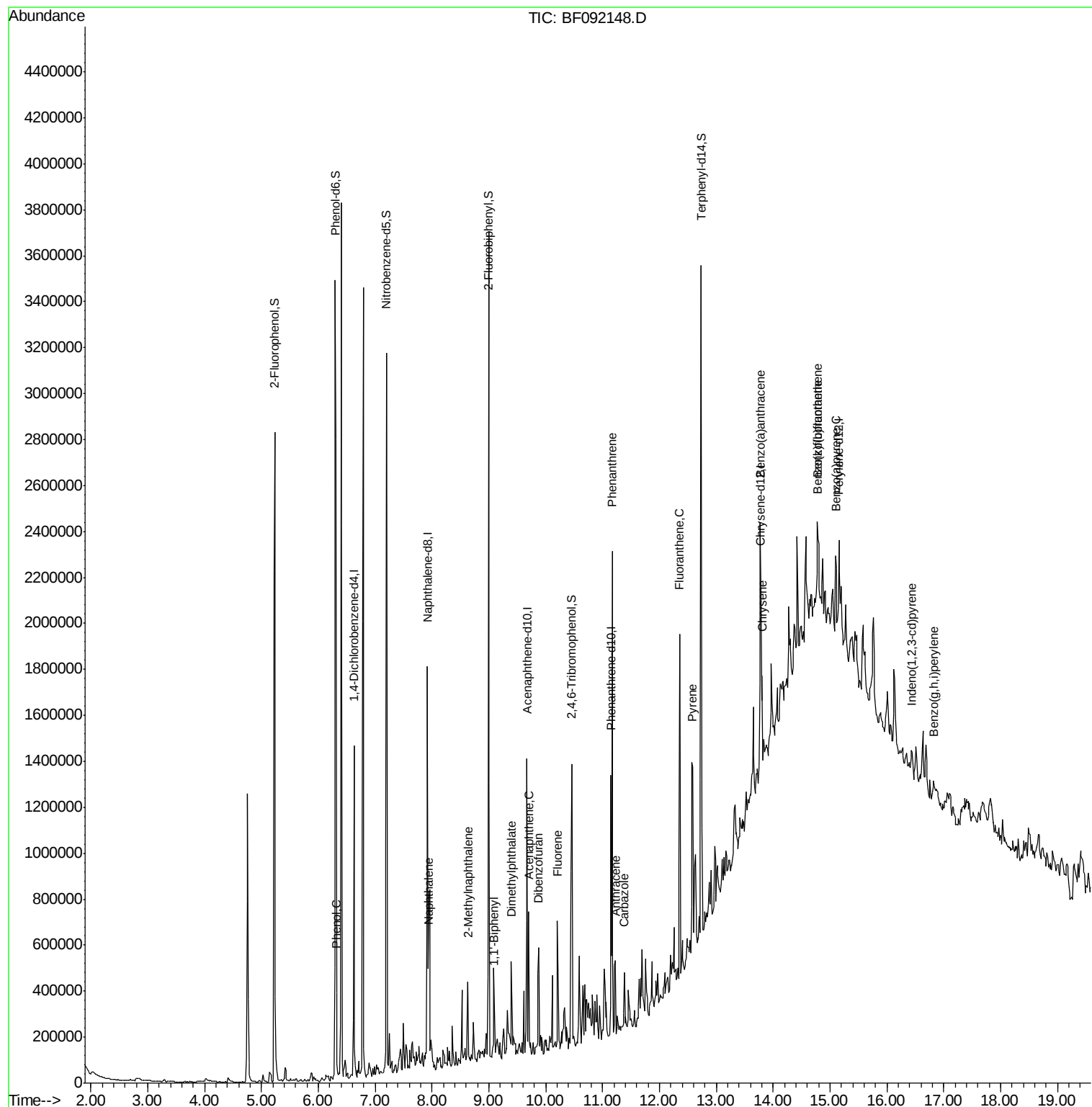
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092148.D
Acq On : 9 Jan 2017 20:08
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

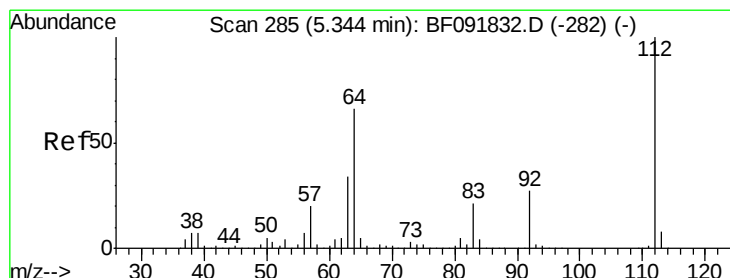
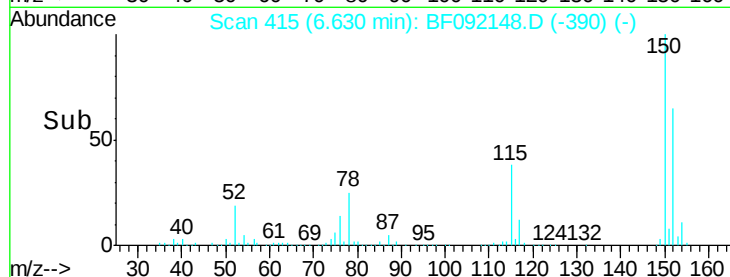
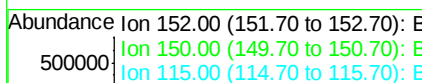
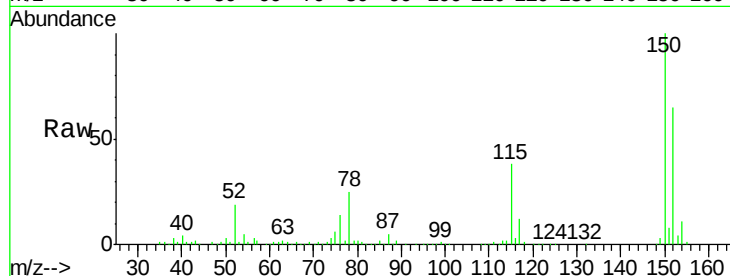
ClientSampled :

P3-SP3

Tgt	Ion	152	Resp:	208542
Ion	Ratio	Lower	Upper	
152	100			
150	154.8	124.9	187.3	
115	59.6	46.0	69.0	

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#5

2-Fluorophenol

Concen: 91.01 ng

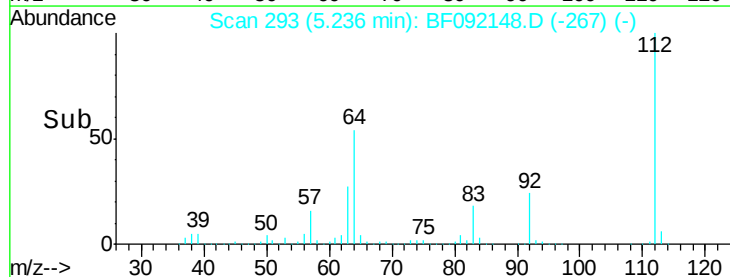
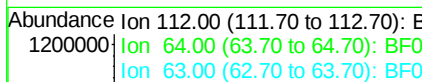
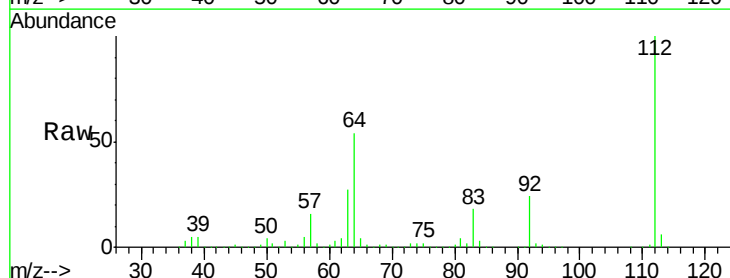
RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Tgt	Ion	112	Resp:	1136638
Ion	Ratio	Lower	Upper	
112	100			
64	54.1	46.1	69.1	
63	27.3	23.8	35.6	





#7

Phenol-d6

Concen: 111.01 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

ClientSampleId :

P3-SP3

Tgt Ion: 99 Resp: 1692787

Ion Ratio Lower Upper

99 100

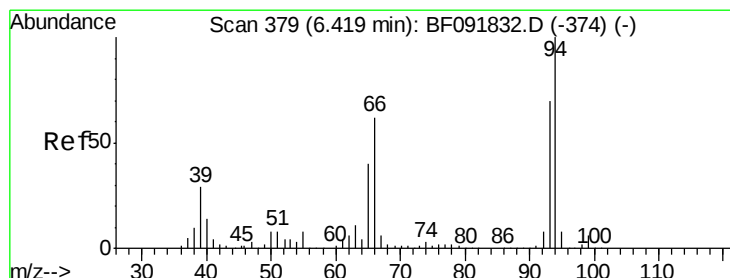
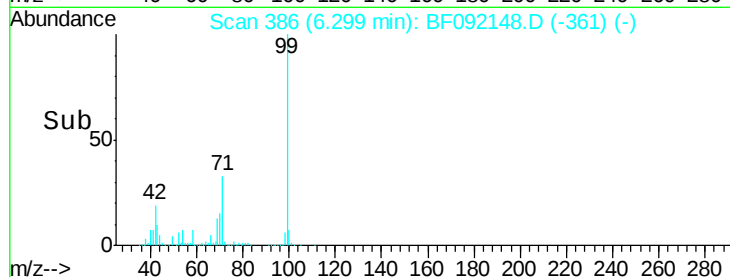
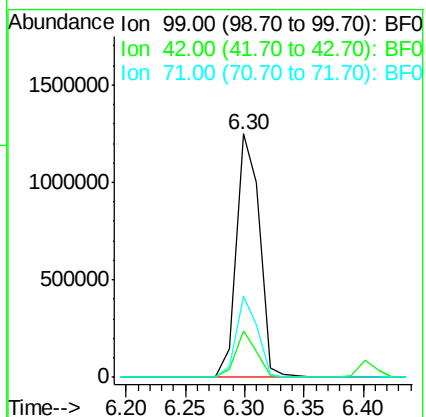
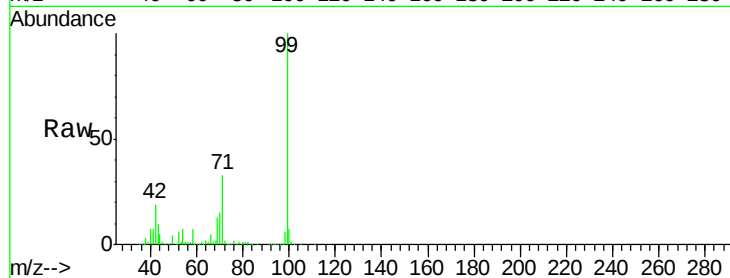
42 19.2 15.6 23.4

71 33.1 27.5 41.3

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#10

Phenol

Concen: 8.15 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

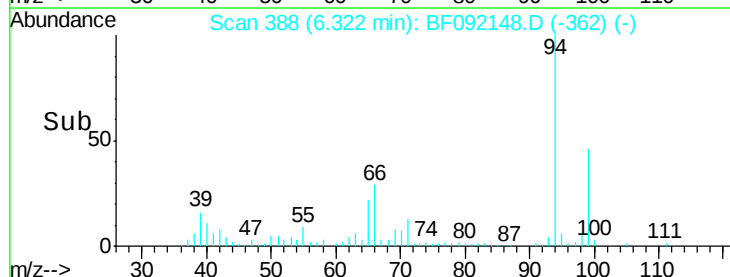
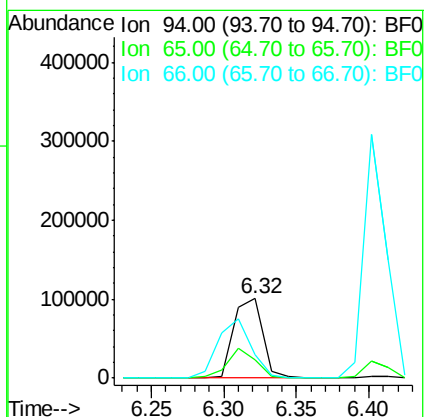
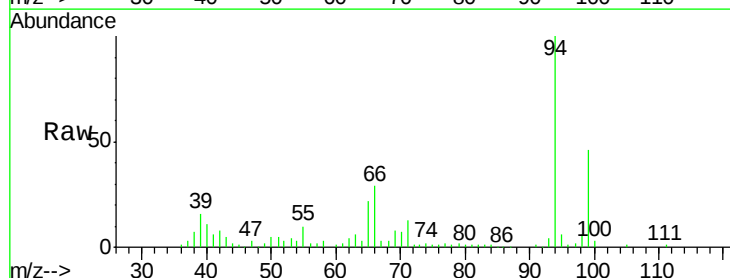
Tgt Ion: 94 Resp: 141672

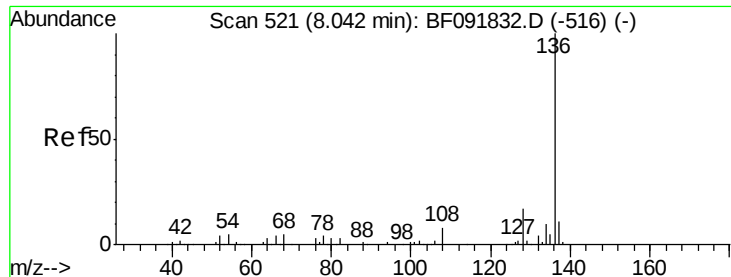
Ion Ratio Lower Upper

94 100

65 22.3 21.4 61.4

66 29.4 44.0 84.0#





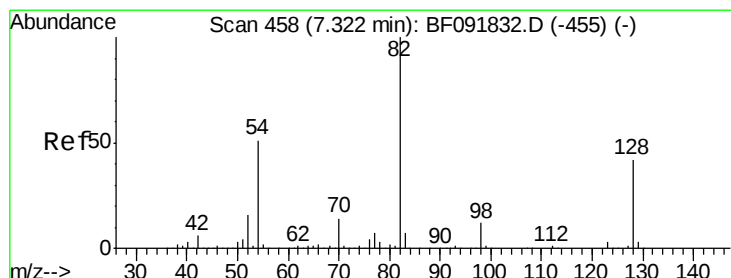
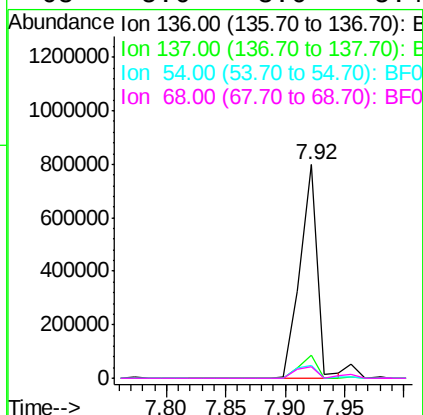
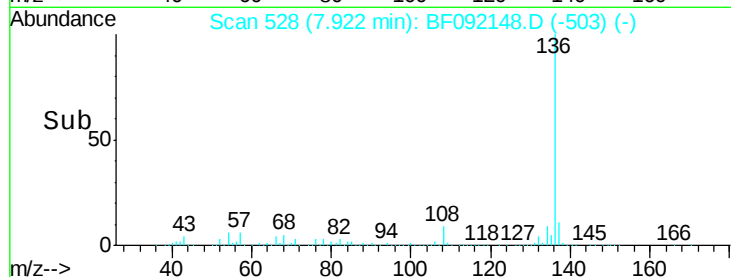
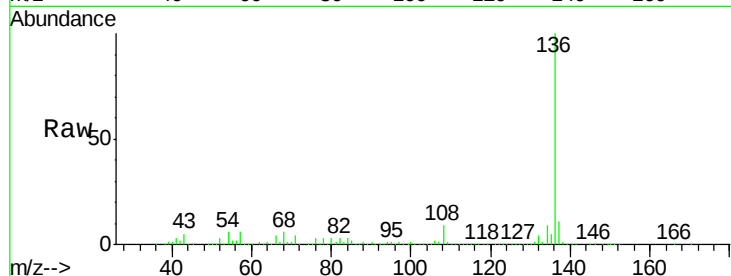
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampleId :
P3-SP3

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.3	4.5	6.7
68	5.6	3.6	5.4

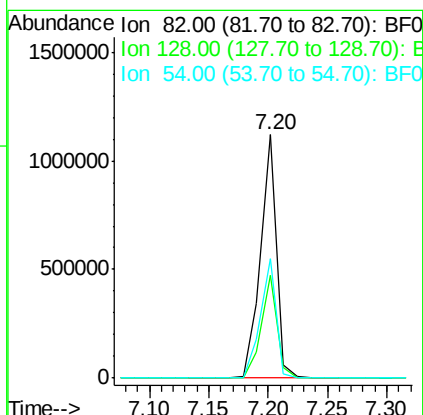
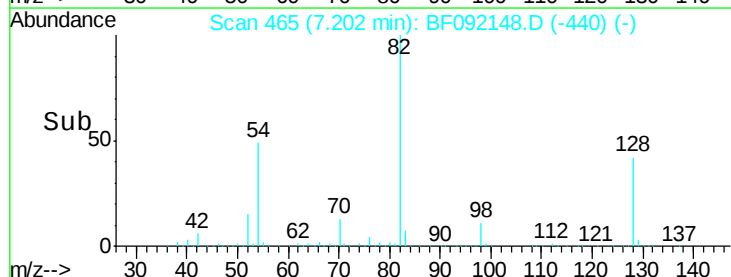
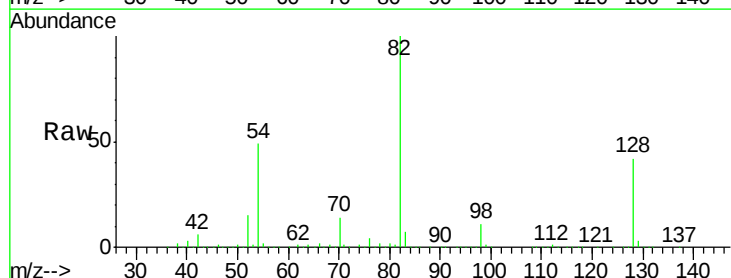
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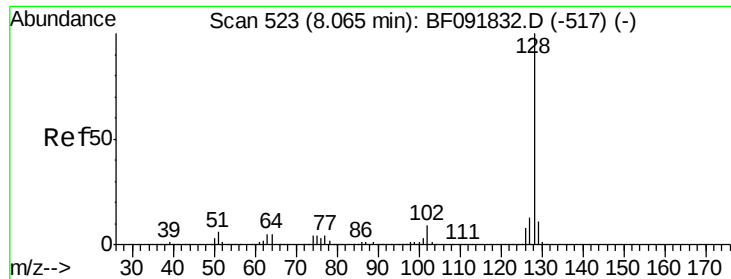
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#23
Nitrobenzene-d5
Concen: 73.54 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.6	52.0
54	49.2	39.5	59.3





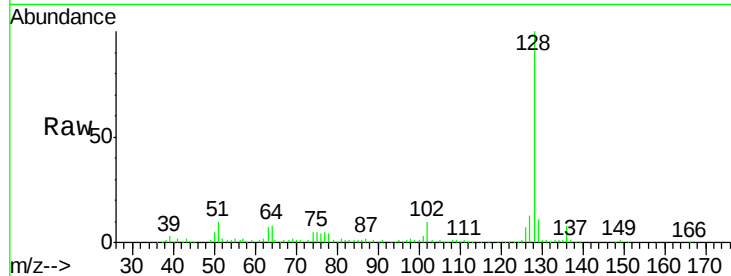
#31
Naphthalene
Concen: 7.08 ng
RT: 7.93 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampled :
P3-SP3

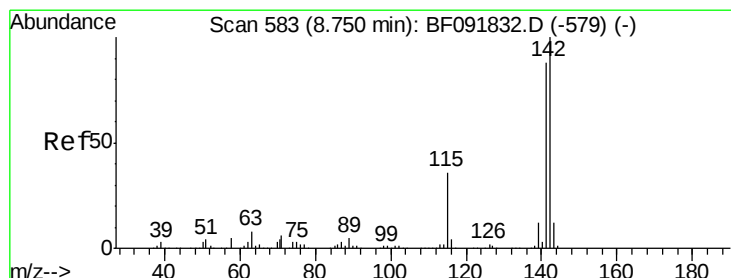
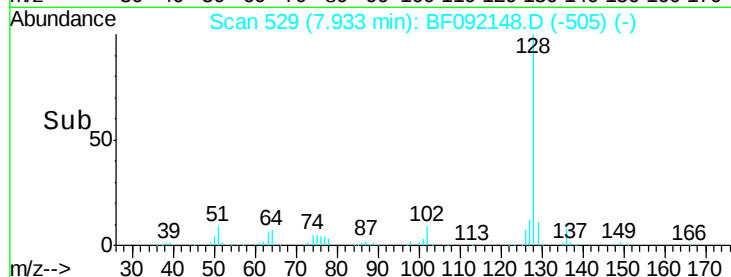
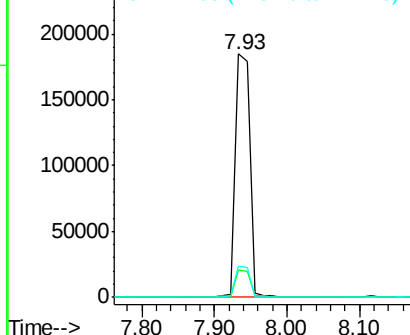
Tgt Ion:	128	Resp:	258944
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.5	14.3
127	12.6	10.8	16.2

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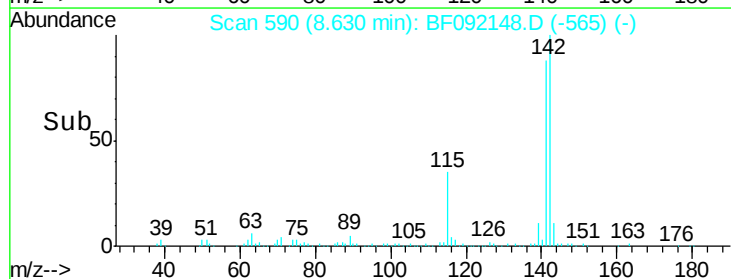
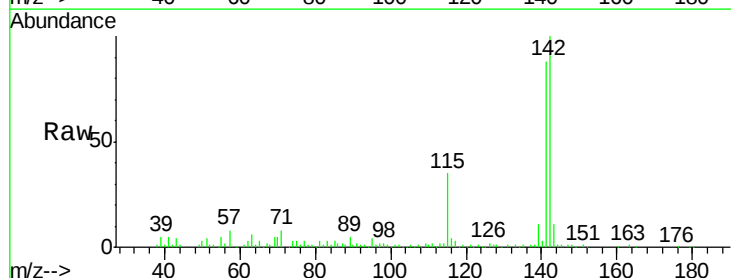
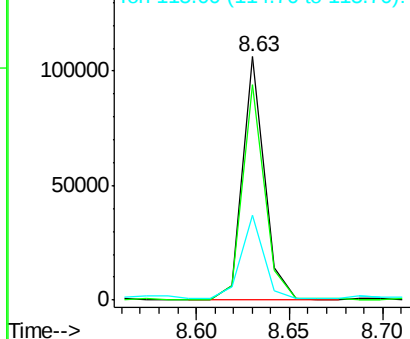
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

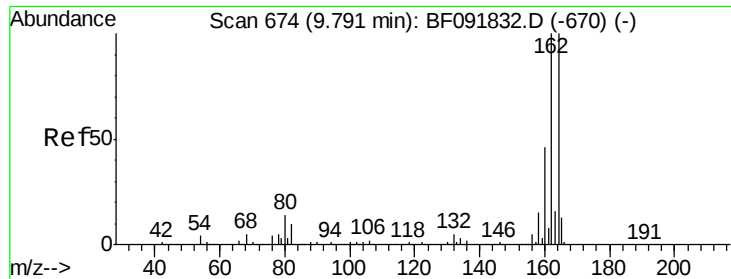


#37
2-Methylnaphthalene
Concen: 2.64 ng
RT: 8.63 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion:	142	Resp:	87954
Ion Ratio	Lower	Upper	
142	100		
141	88.3	71.0	106.6
115	34.8	28.3	42.5

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: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

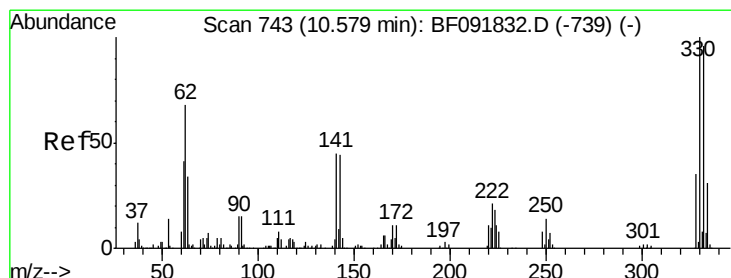
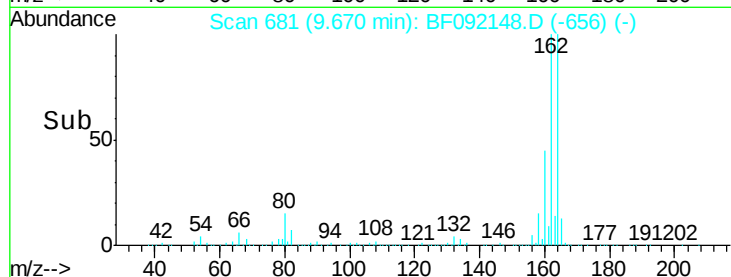
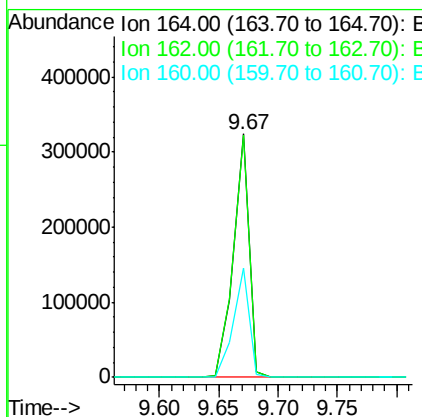
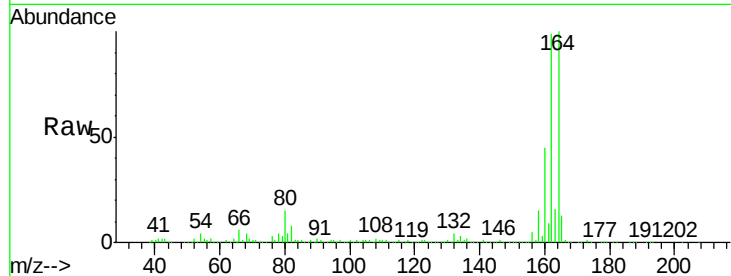
ClientSampleId :

P3-SP3

Tgt Ion:	164	Resp:	301351
Ion Ratio	Lower	Upper	
164	100		
162	99.4	80.2	120.2
160	44.8	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 67.96 ng

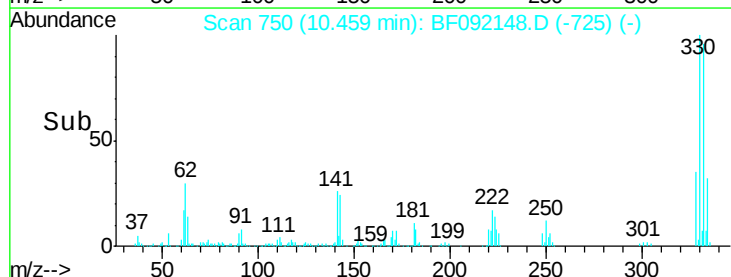
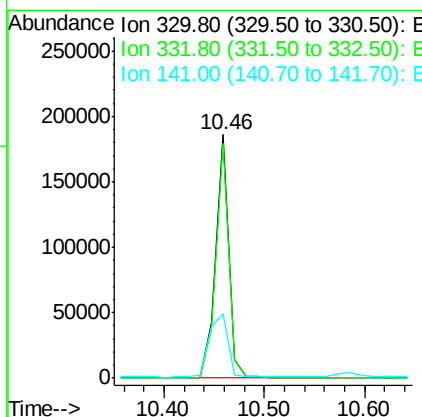
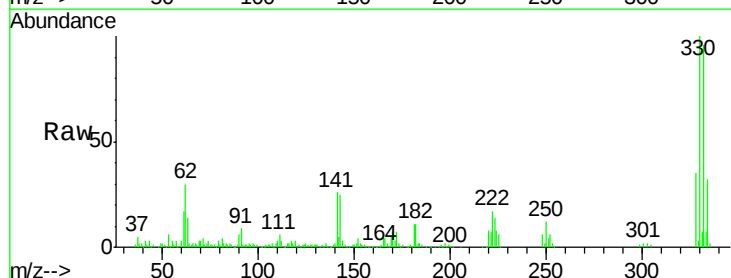
RT: 10.46 min Scan# 750

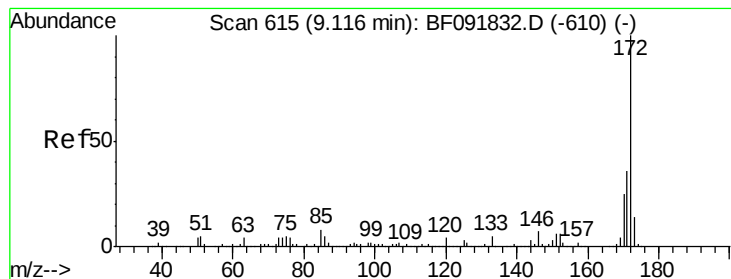
Delta R.T. -0.01 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Tgt Ion:	330	Resp:	169486
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.4	116.2
141	38.2	34.1	51.1





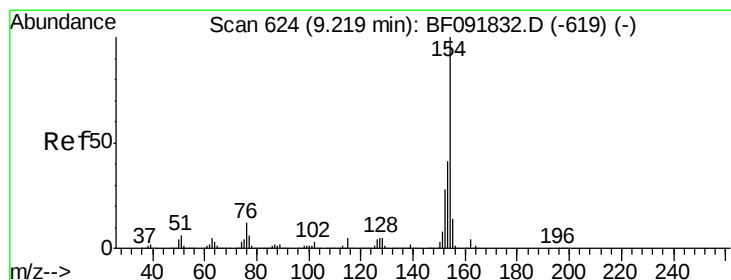
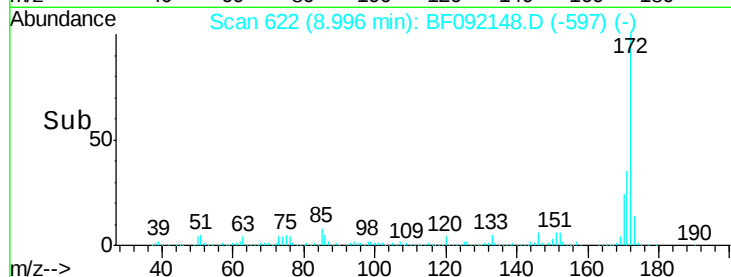
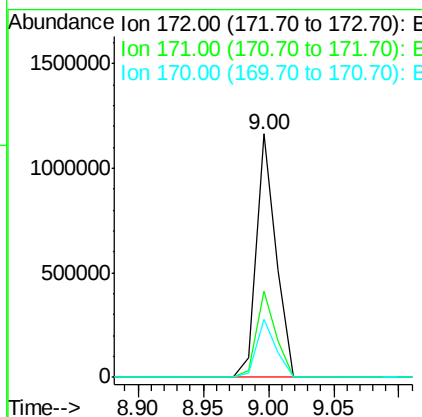
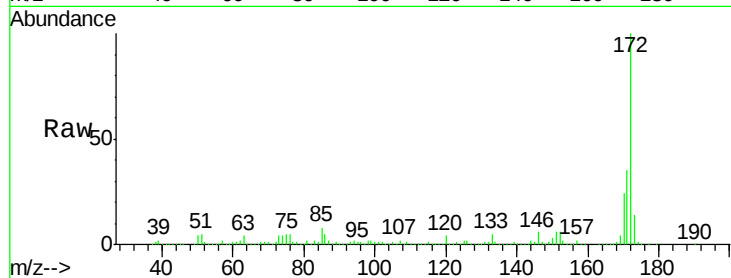
#44
2-Fluorobiphenyl
Concen: 82.88 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampleId :
P3-SP3

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	23.9	20.2	30.4

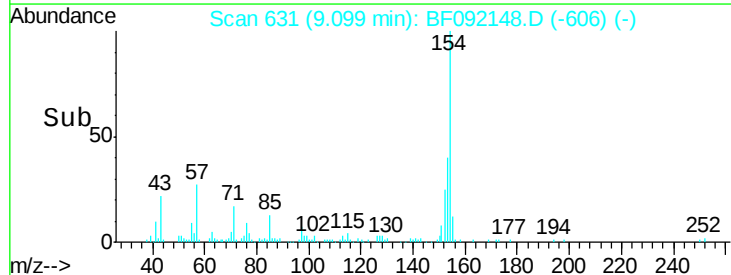
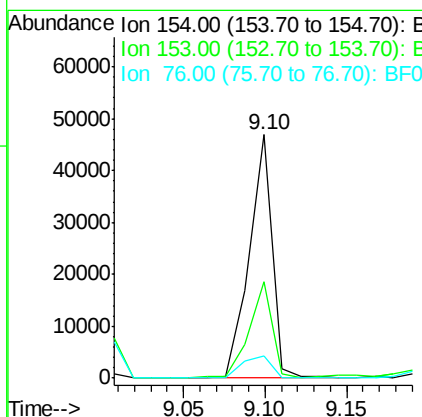
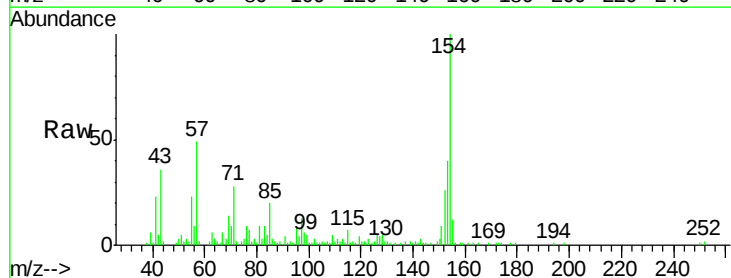
Manual Integrations
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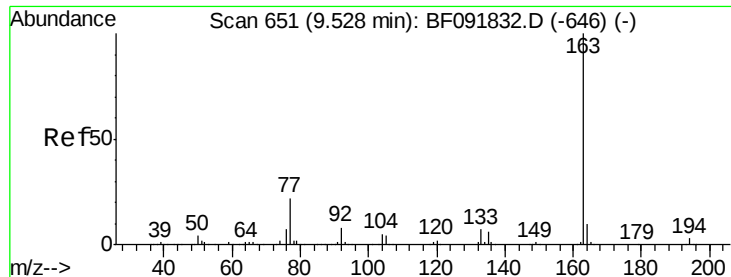
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#45
1,1'-Biphenyl
Concen: 2.21 ng
RT: 9.10 min Scan# 631
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.9	60.9
76	9.4	0.0	30.5





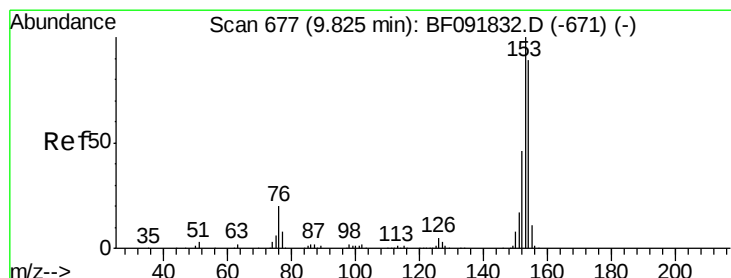
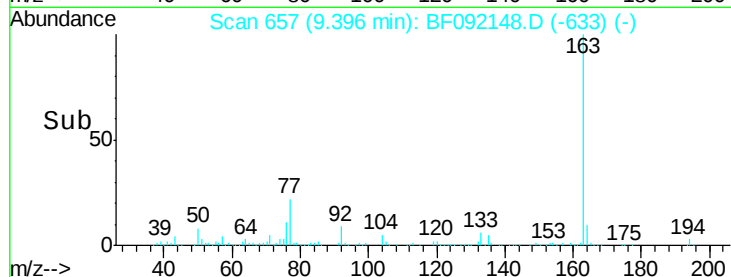
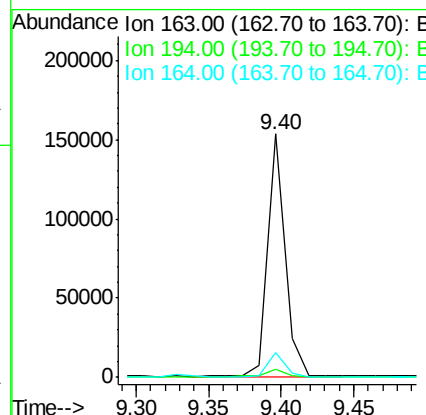
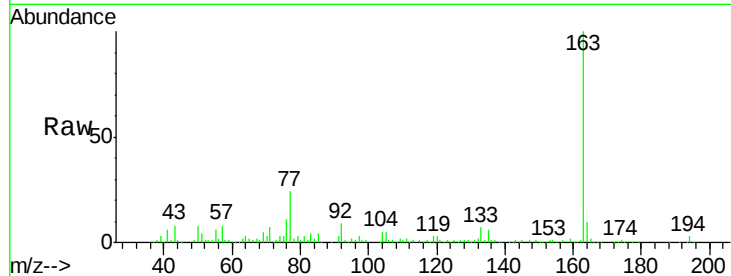
#49
Dimethylphthalate
Concen: 6.60 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampled :
P3-SP3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	127232		
194	3.2		3.0	4.4
164	10.1		8.0	12.0

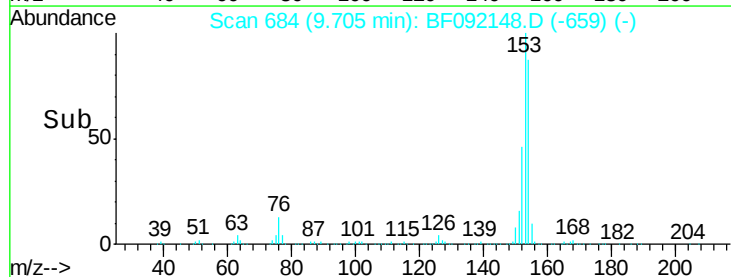
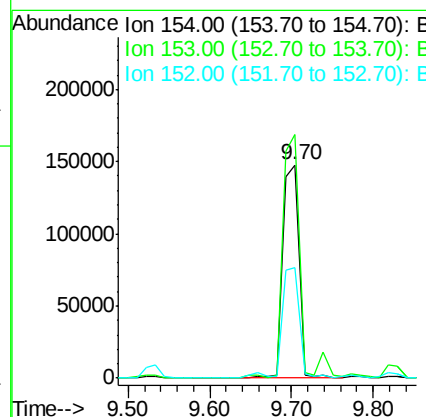
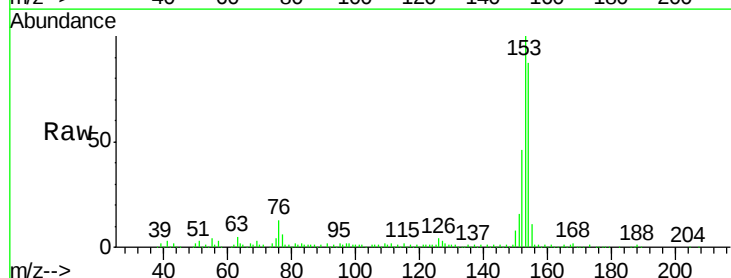
Manual Integrations
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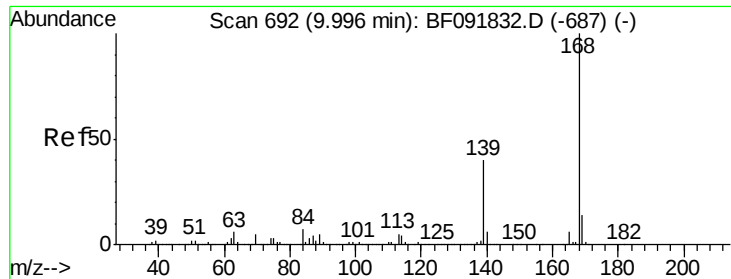
Sohil
1/10/2017 10:01:25 AM



#51
Acenaphthene
Concen: 12.11 ng
RT: 9.70 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	206337		
153	114.4		88.6	133.0
152	52.2		41.6	62.4





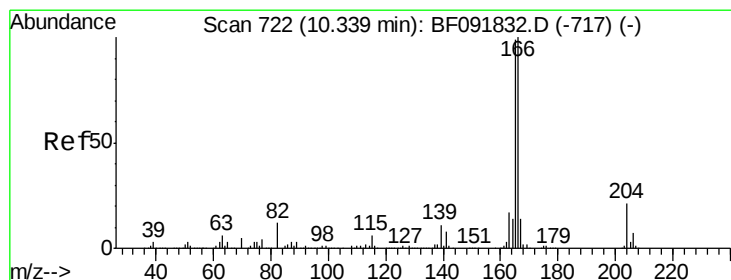
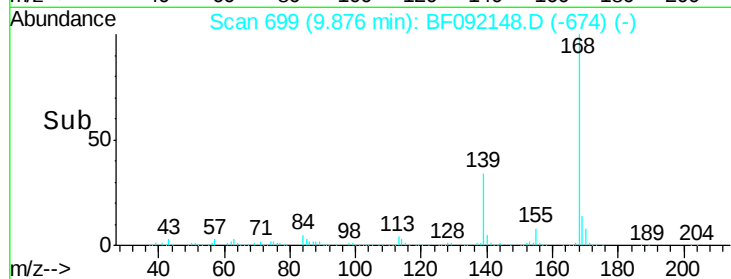
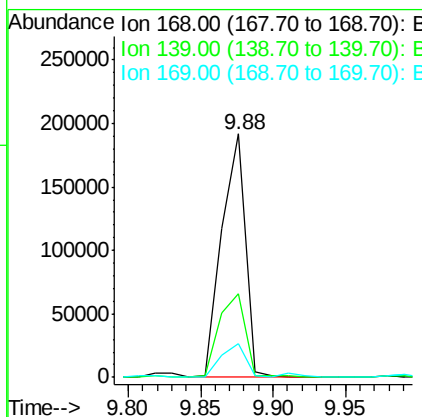
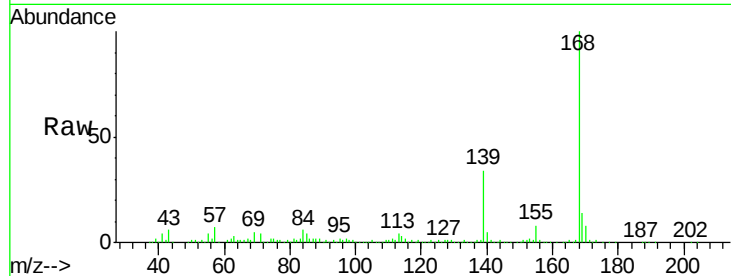
#54
Dibenzofuran
Concen: 9.44 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampled :
P3-SP3

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	217256		
139	34.4	32.6	49.0	
169	13.7	11.3	16.9	

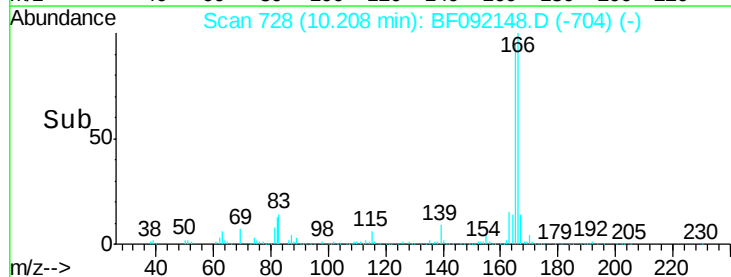
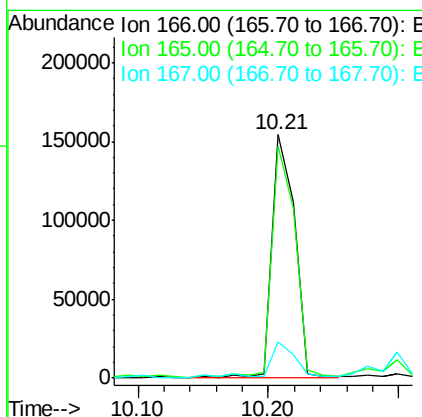
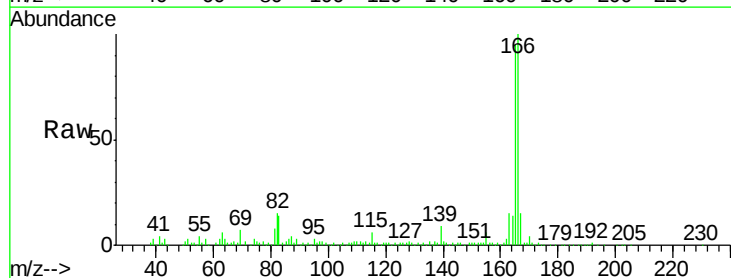
Manual Integrations
APPROVED

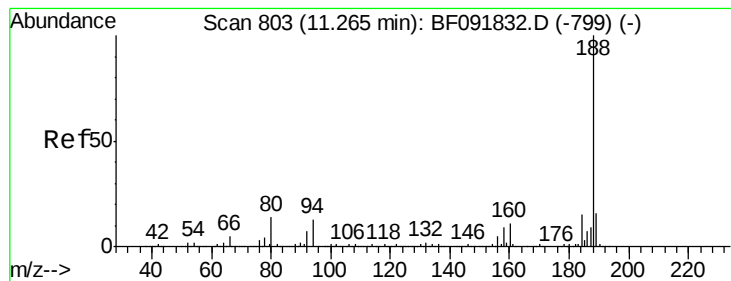
Sohil
1/10/2017 10:01:25 AM



#57
Fluorene
Concen: 11.37 ng
RT: 10.21 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	190323		
165	95.2	77.8	116.8	
167	14.7	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: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

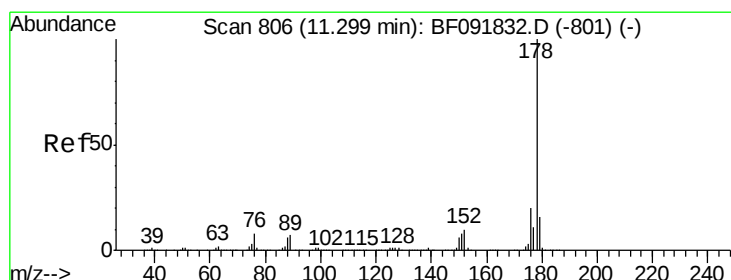
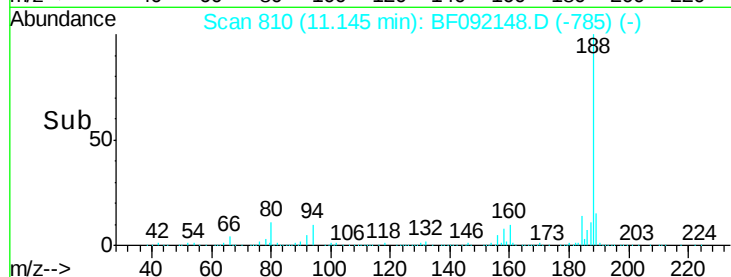
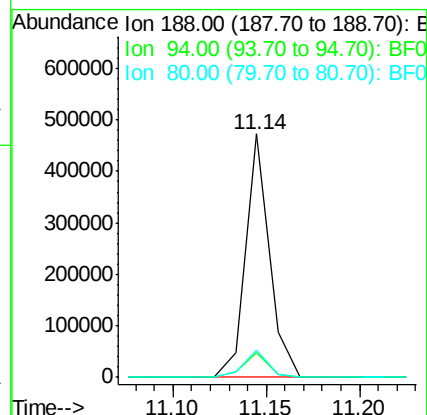
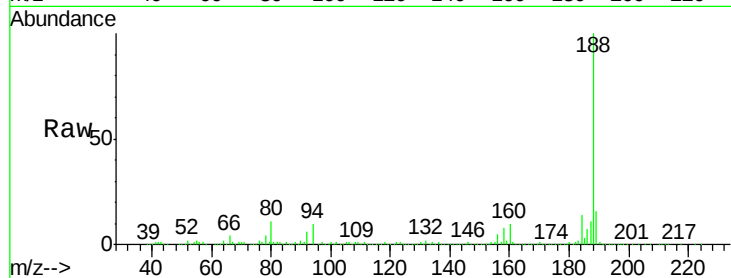
ClientSampleId :

P3-SP3

Tgt Ion:	188	Resp:	420304
Ion Ratio	Lower	Upper	
188	100		
94	10.2	10.0	15.0
80	11.1	11.2	16.8#

Manual Integrations
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1/10/2017 10:01:25 AM



#70

Phenanthrene

Concen: 33.19 ng

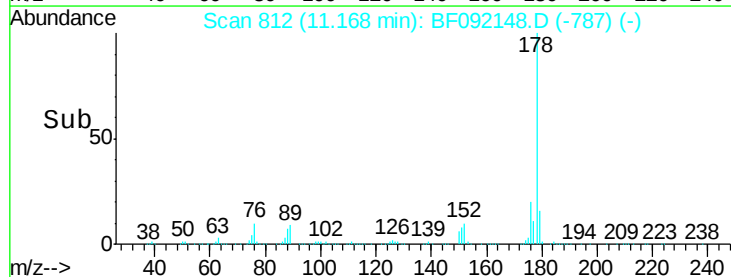
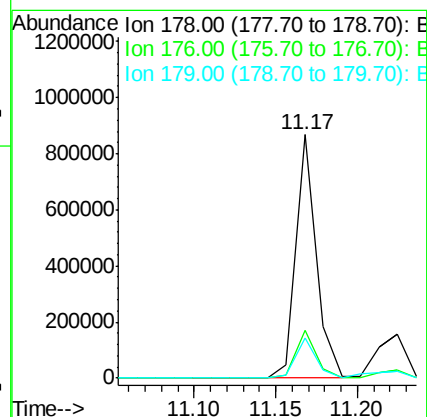
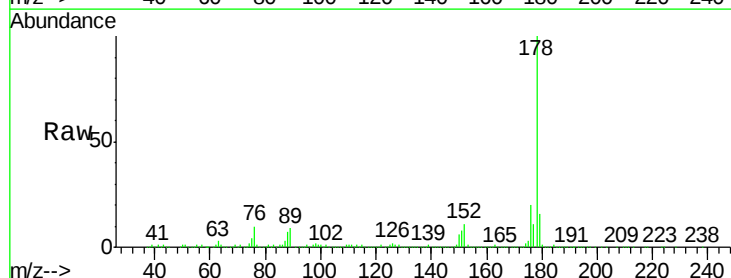
RT: 11.17 min Scan# 812

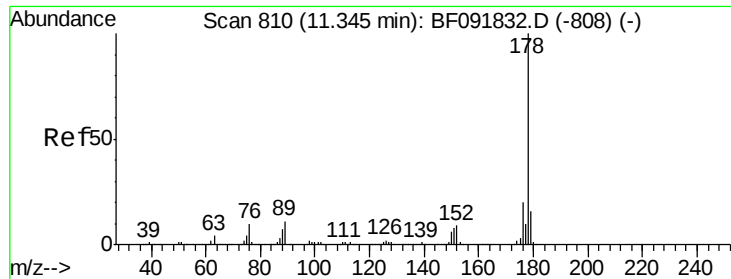
Delta R.T. -0.01 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Tgt Ion:	178	Resp:	756497
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.6	25.0
179	16.2	12.8	19.2





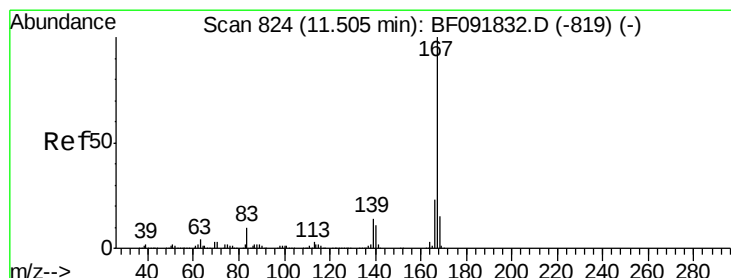
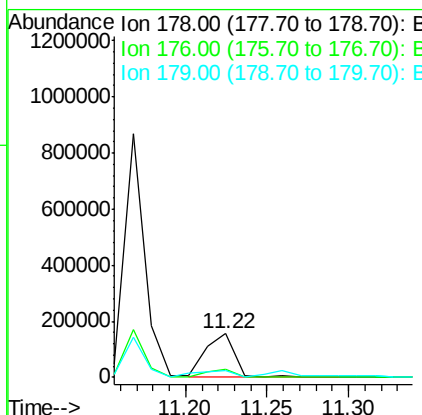
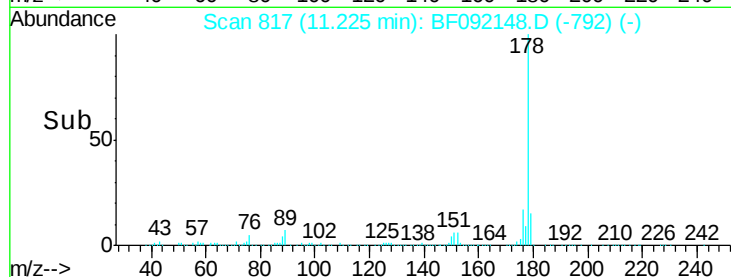
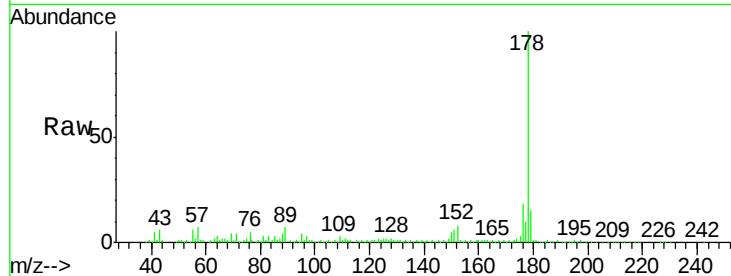
#71
 Anthracene
 Concen: 6.83 ng
 RT: 11.22 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092148.D
 Acq: 9 Jan 2017 20:08

Instrument :
 BNA_F
 ClientSampled :
 P3-SP3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.9	23.9
179	15.1	13.2	19.8

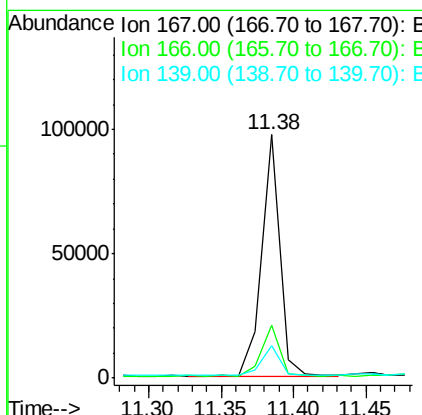
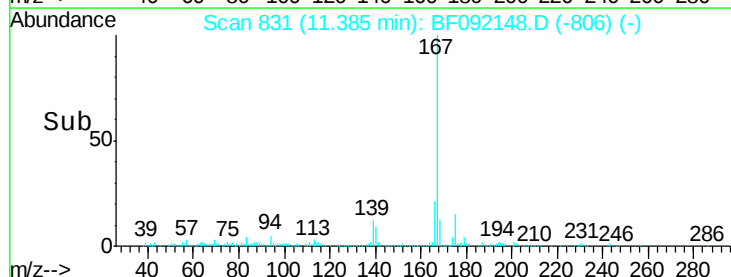
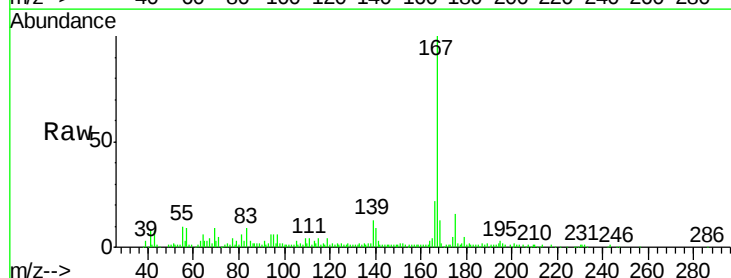
Manual Integrations
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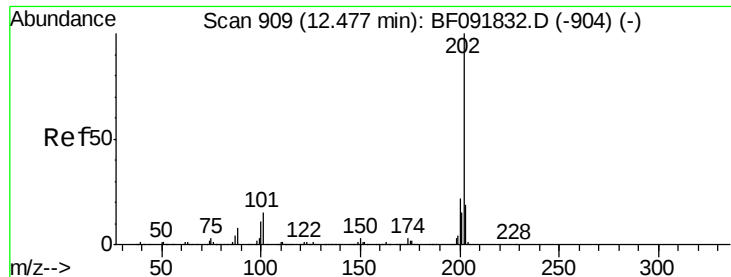
Sohil
 1/10/2017 10:01:25 AM



#72
 Carbazole
 Concen: 3.28 ng
 RT: 11.38 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF092148.D
 Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.2
139	13.2	11.4	17.2





#74

Fluoranthene

Concen: 30.37 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

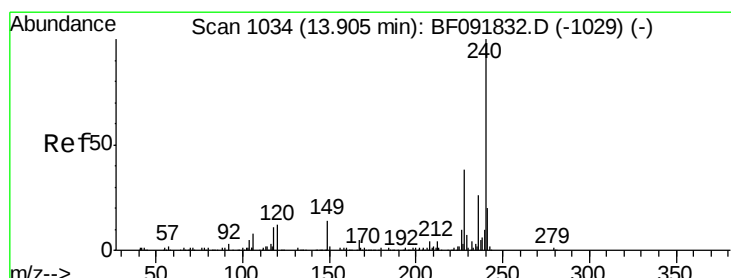
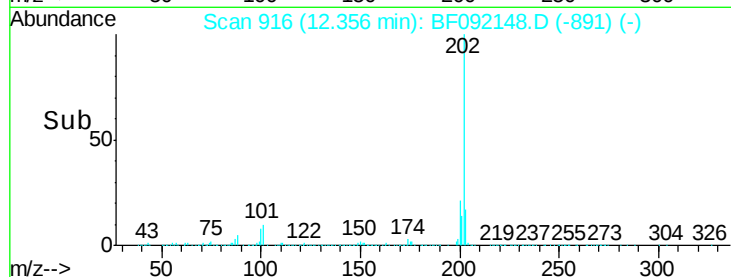
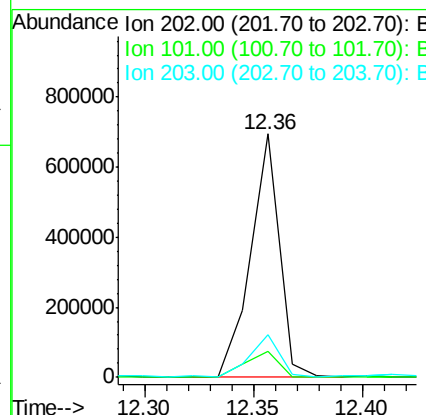
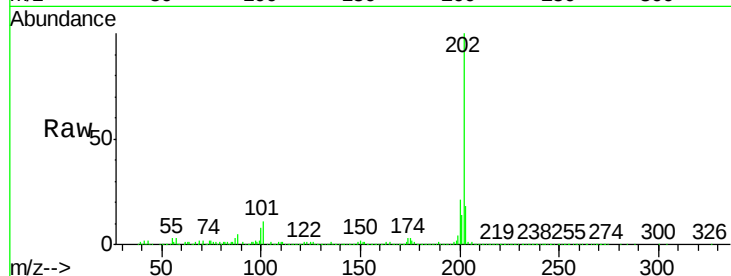
ClientSampleId :

P3-SP3

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		632085		
101	10.5	0.0	34.6		
203	17.7	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

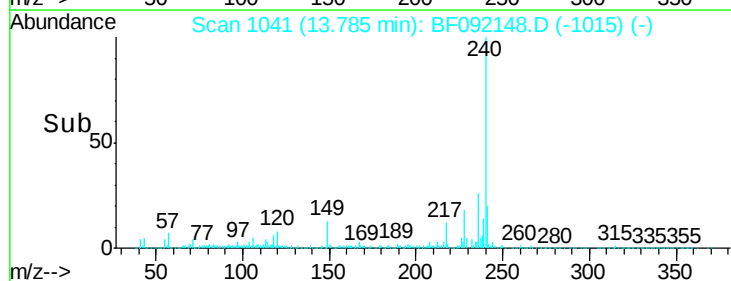
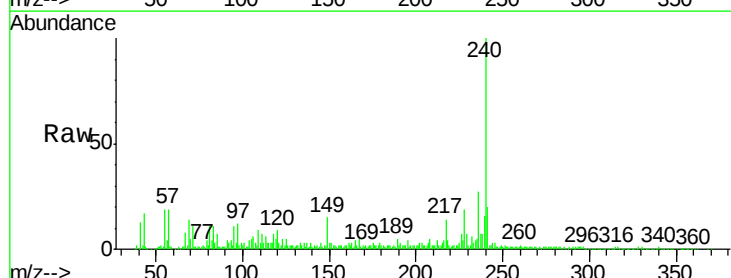
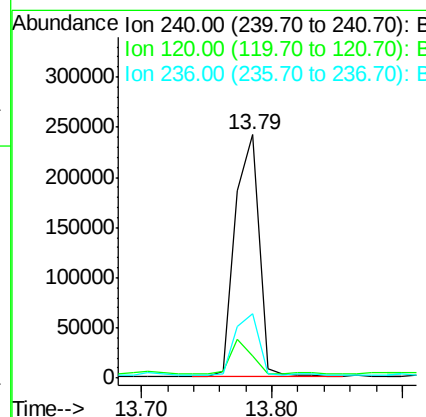
RT: 13.79 min Scan# 1041

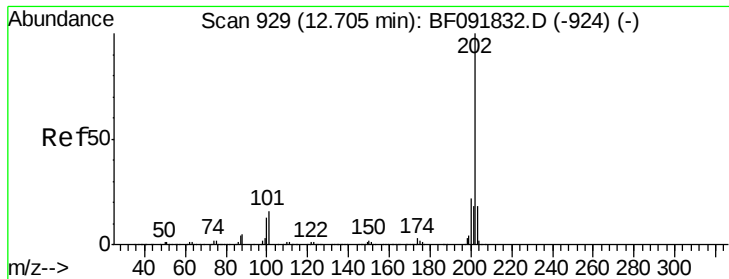
Delta R.T. 0.00 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		304335		
120	9.3	12.9	19.3#		
236	26.7	20.9	31.3		





#77

Pyrene

Concen: 23.74 ng

RT: 12.58 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

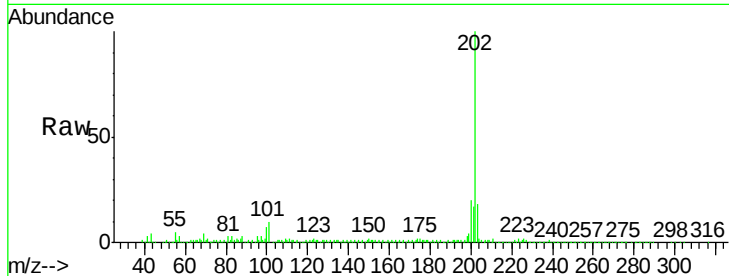
ClientSampled :

P3-SP3

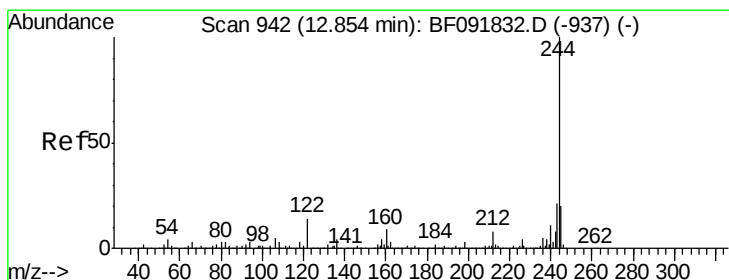
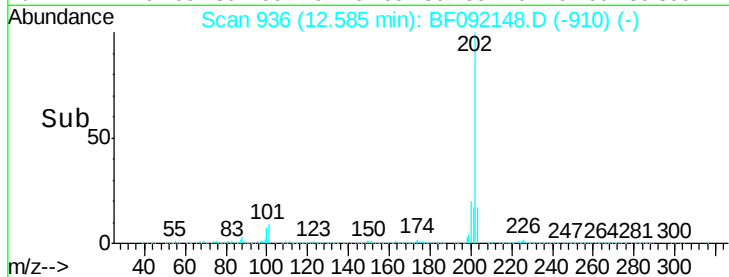
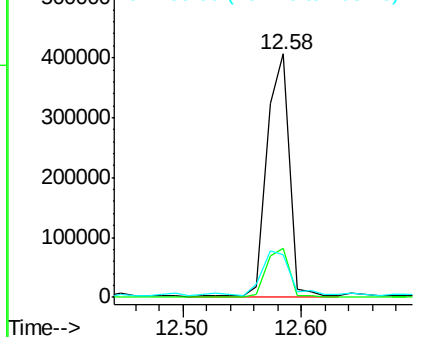
Tgt Ion:	202	Resp:	530041
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.7	26.5
203	17.7	14.7	22.1

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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



#78

Terphenyl-d14

Concen: 73.57 ng

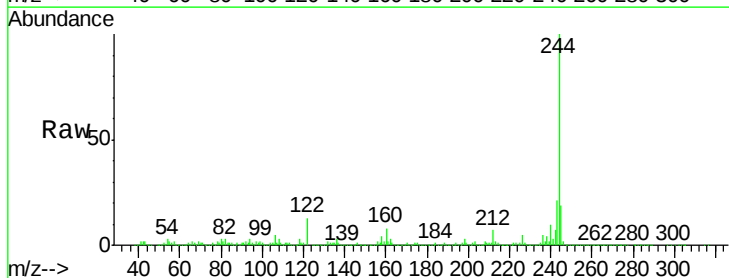
RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

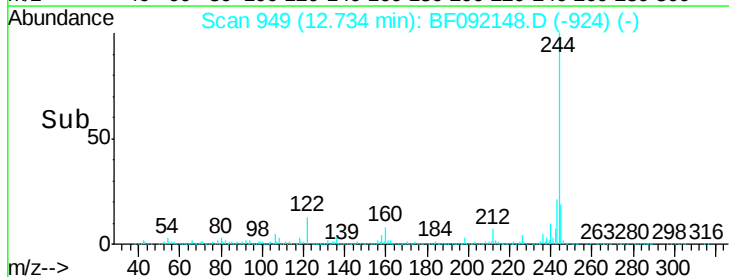
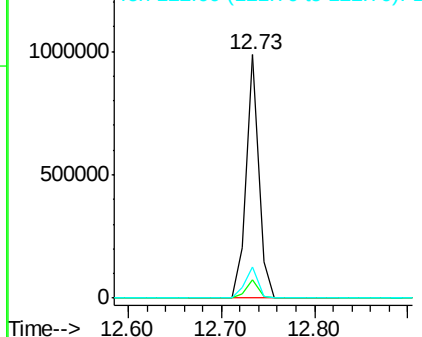
Lab File: BF092148.D

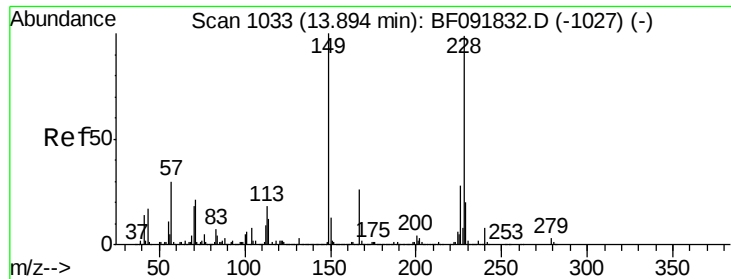
Acq: 9 Jan 2017 20:08

Tgt Ion:	244	Resp:	923214
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	12.6	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





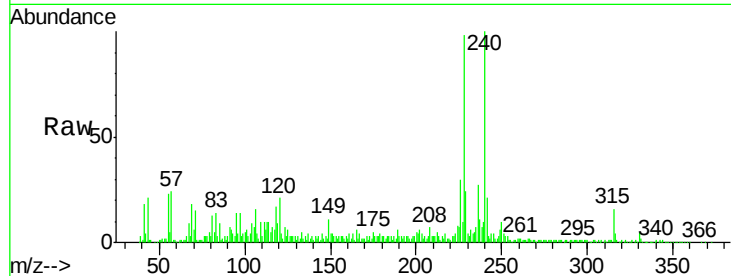
#80
Benzo(a)anthracene
Concen: 13.20 ng
RT: 13.77 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampled :
P3-SP3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.4	33.6
229	24.0	16.2	24.4

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1/10/2017 10:01:25 AM

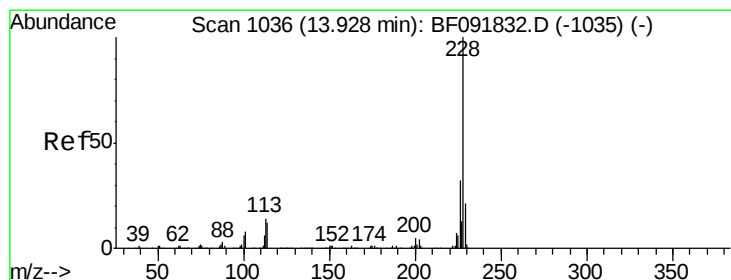
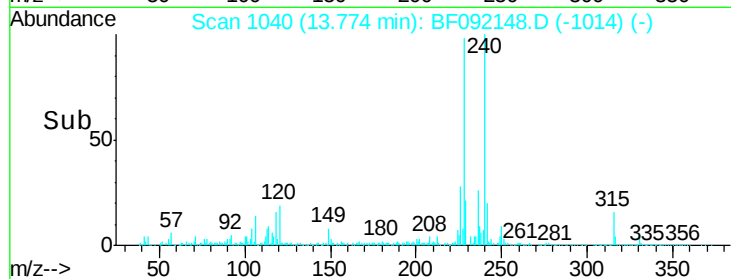
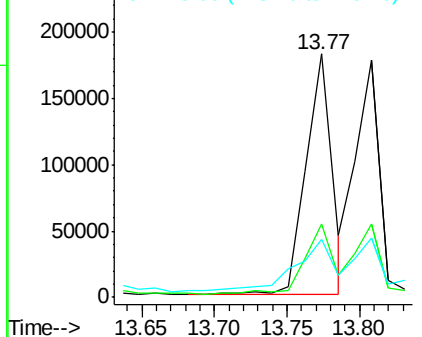


Abundance

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: 11.85 ng m
RT: 13.81 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

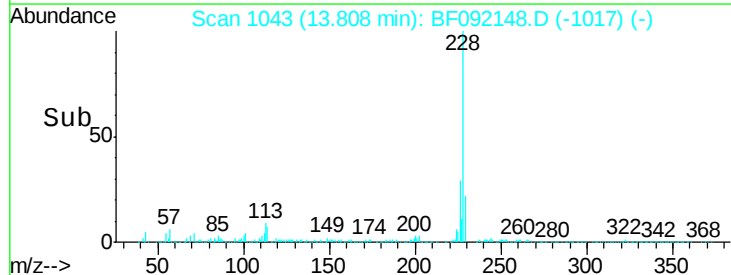
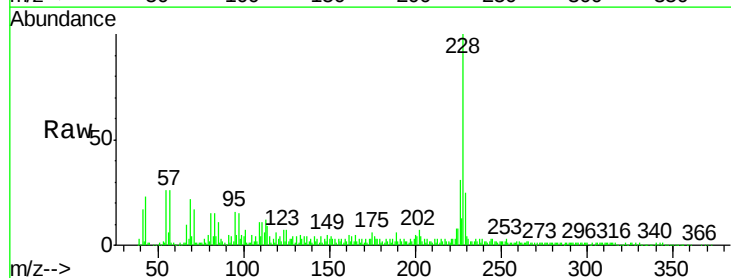
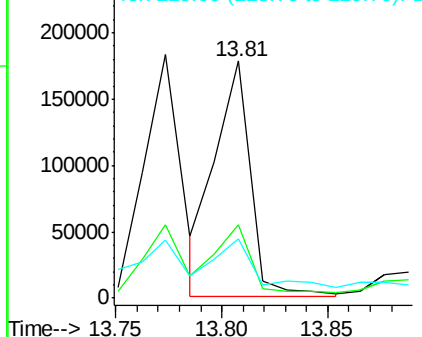
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.0
229	25.1	16.2	24.2#

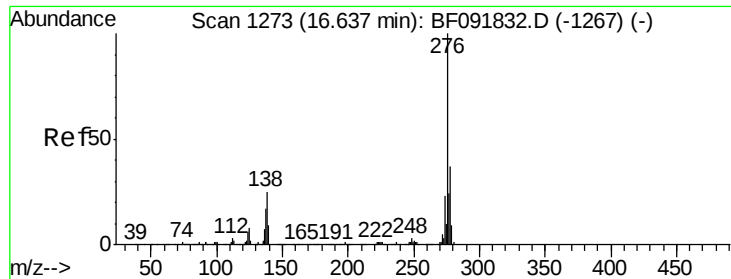
Abundance

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





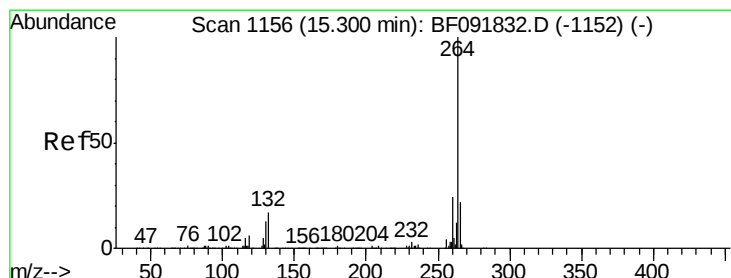
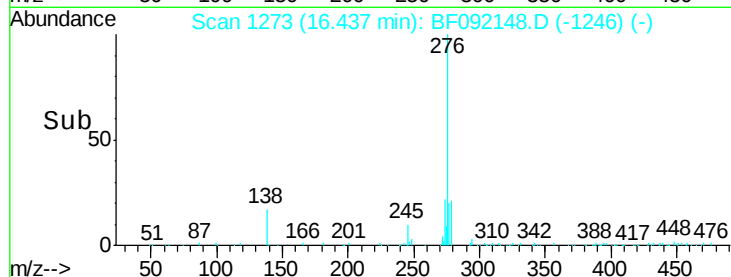
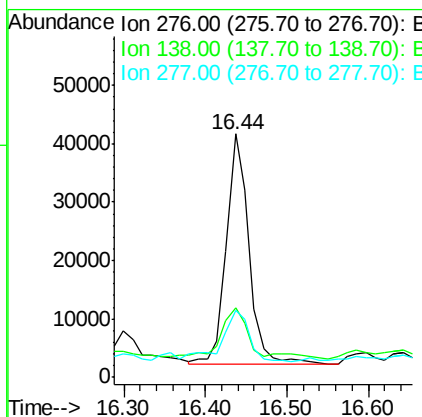
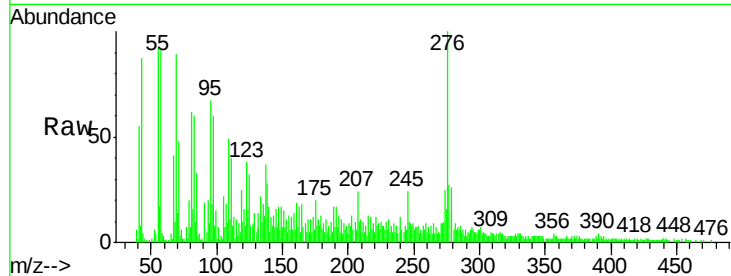
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.08 ng
RT: 16.44 min Scan# 1273
Delta R.T. 0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampleId :
P3-SP3

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	21.8	32.6
277	26.2	20.2	30.4

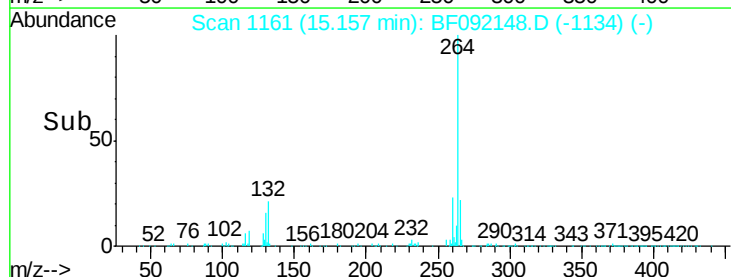
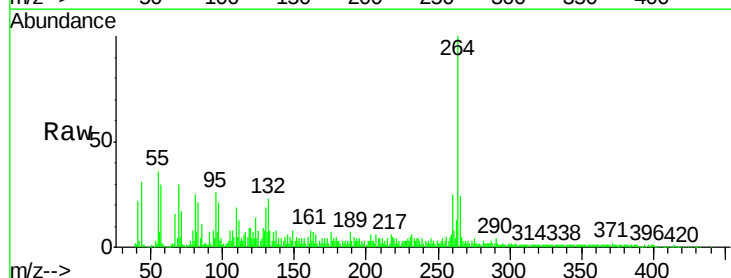
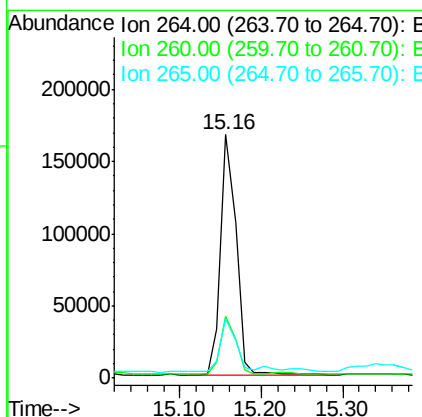
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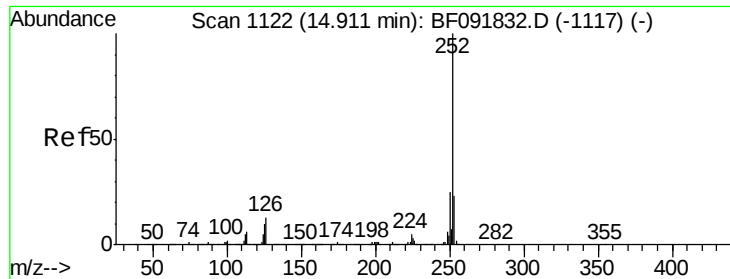
Sohil
1/10/2017 10:01:25 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	24.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 13.14 ng m

RT: 14.78 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Instrument :

BNA_F

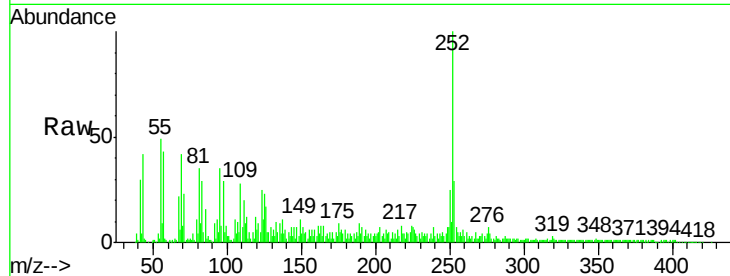
ClientSampleId :

P3-SP3

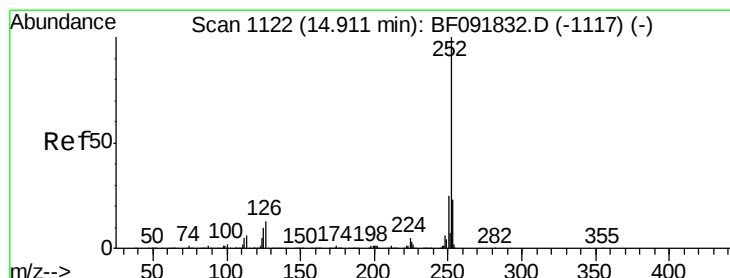
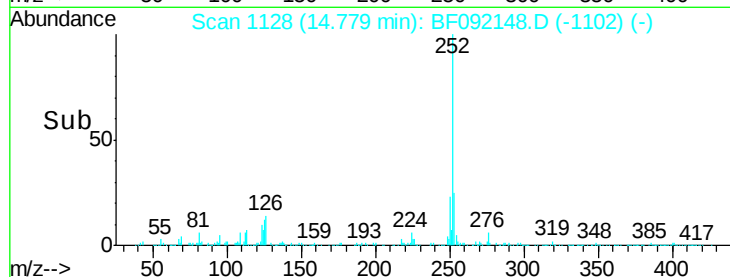
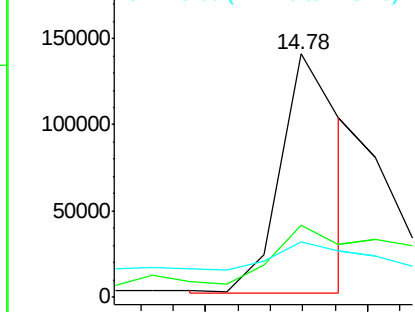
Tgt Ion:	252	Resp:	180293
Ion Ratio	Lower	Upper	
252	100		
253	29.4	18.2	27.4#
125	22.8	9.8	14.6#

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:25 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: 7.16 ng m

RT: 14.79 min Scan# 1129

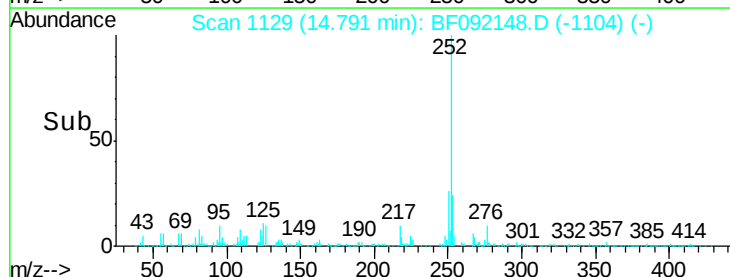
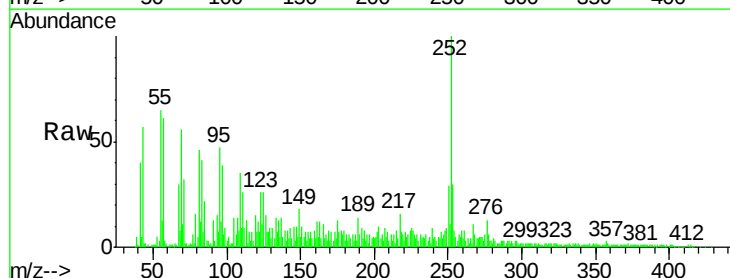
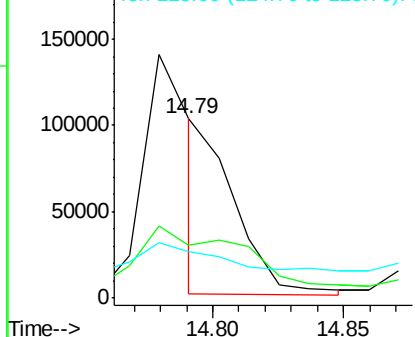
Delta R.T. -0.01 min

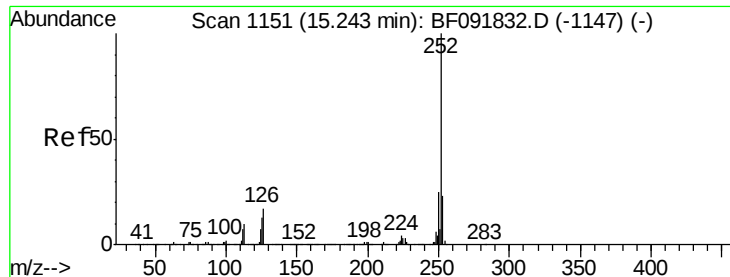
Lab File: BF092148.D

Acq: 9 Jan 2017 20:08

Tgt Ion:	252	Resp:	83811
Ion Ratio	Lower	Upper	
252	100		
253	29.6	18.5	27.7#
125	26.3	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





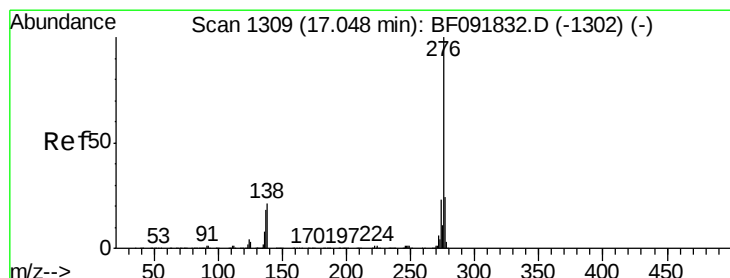
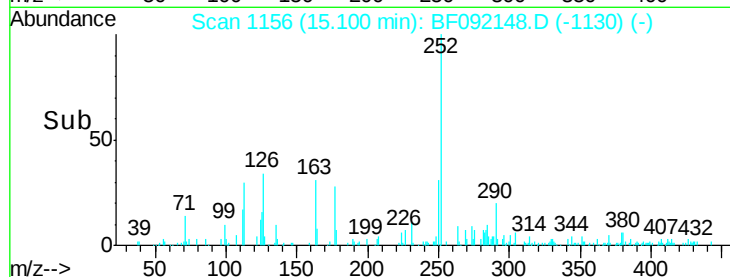
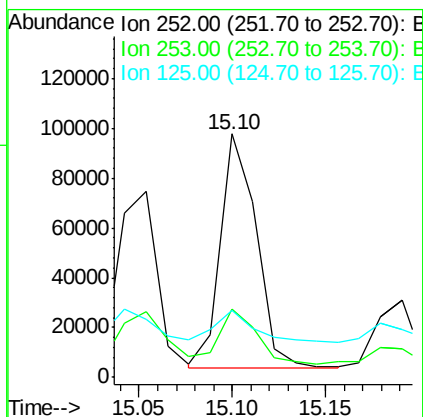
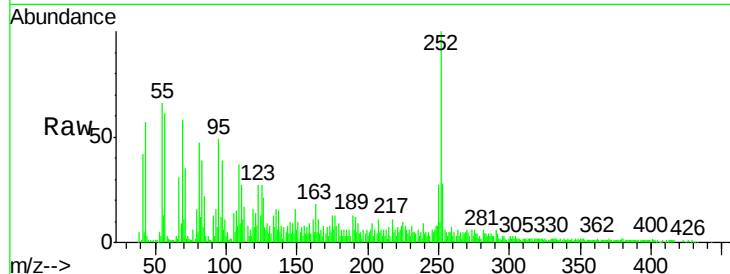
#89
Benzo(a)pyrene
Concen: 10.51 ng
RT: 15.10 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Instrument :
BNA_F
ClientSampleId :
P3-SP3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.2	27.2#
125	27.4	10.0	15.0#

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:25 AM



#91
Benzo(g,h,i)perylene
Concen: 7.41 ng
RT: 16.83 min Scan# 1307
Delta R.T. 0.02 min
Lab File: BF092148.D
Acq: 9 Jan 2017 20:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.6	19.2	28.8
138	27.3	16.0	24.0#

