

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
 Data File : BF090306.D
 Acq On : 30 Sep 2016 00:42
 Operator : UM/SJ
 Sample : H5015-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-2

Manual Integrations
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Quant Time: Sep 30 01:30:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	122941	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	472735	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	237382	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	279176	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	230850	20.00	ng	-0.02
86) Perylene-d12	14.90	264	183215	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1033227	136.99	ng	0.00
7) Phenol-d6	6.12	99	1307422	140.36	ng	-0.01
23) Nitrobenzene-d5	7.04	82	888349	108.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	241729	118.70	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	1161869	96.09	ng	-0.02
78) Terphenyl-d14	12.55	244	748111	82.28	ng	-0.01
Target Compounds						
10) Phenol	6.14	94	31282	2.84	ng	86
49) Dimethylphthalate	9.23	163	467829	30.94	ng	99
70) Phenanthrene	10.99	178	152008	11.64	ng	98
74) Fluoranthene	12.16	202	160077	11.42	ng	96
77) Pyrene	12.39	202	130542	8.26	ng	98
80) Benzo(a)anthracene	13.57	228	48440	3.90	ng	98
82) Chrysene	13.60	228	42775m	3.54	ng	
87) Benzo(b)fluoranthene	14.56	252	45135m	4.45	ng	
88) Benzo(k)fluoranthene	14.57	252	23348m	2.45	ng	
89) Benzo(a)pyrene	14.86	252	34213	3.58	ng	97
91) Benzo(g,h,i)perylene	16.39	276	18563	2.55	ng	96

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

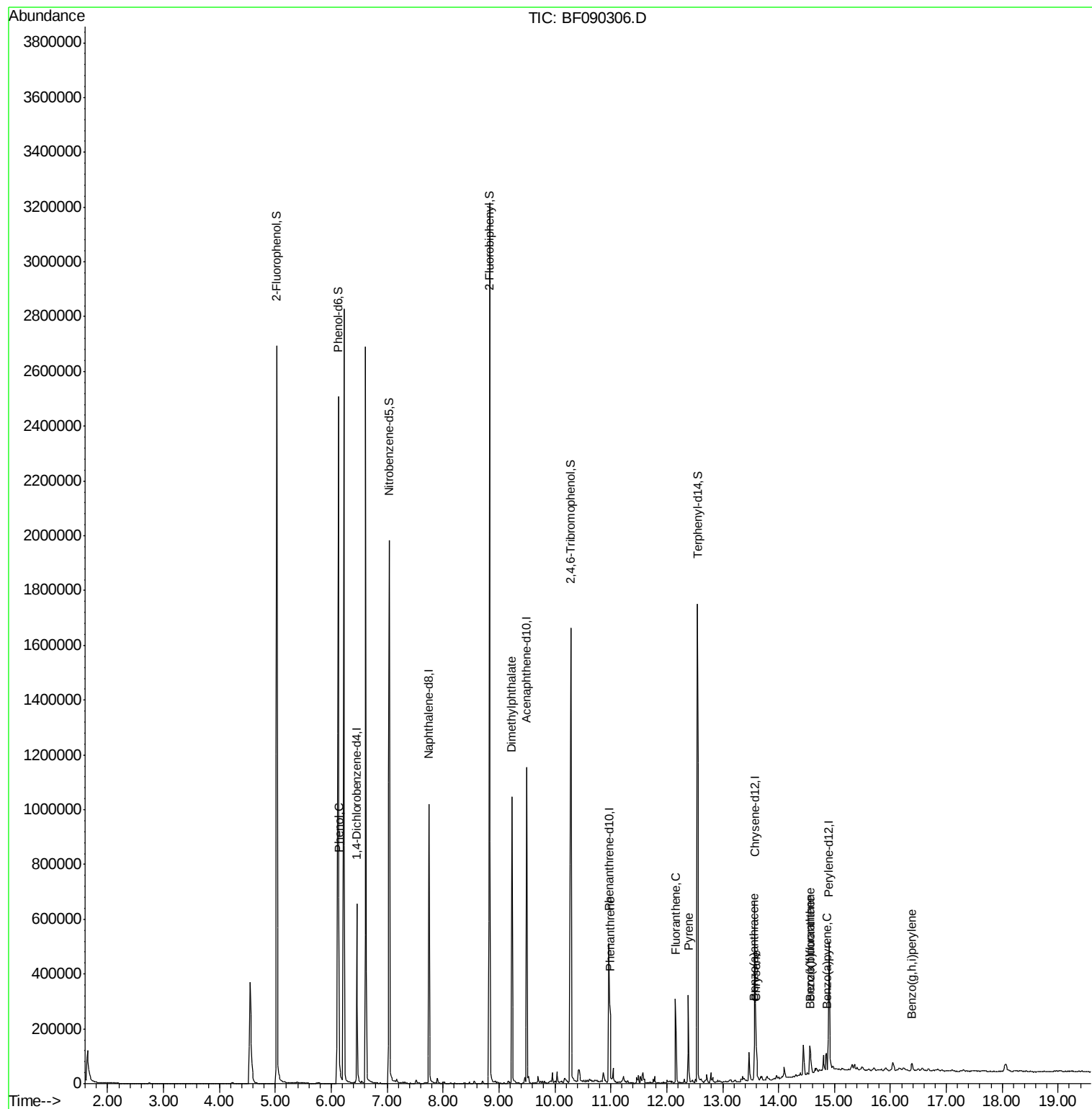
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092916\
Data File : BF090306.D
Acq On : 30 Sep 2016 00:42
Operator : UM/SJ
Sample : H5015-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Manual Integrations
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Quant Time: Sep 30 01:30:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

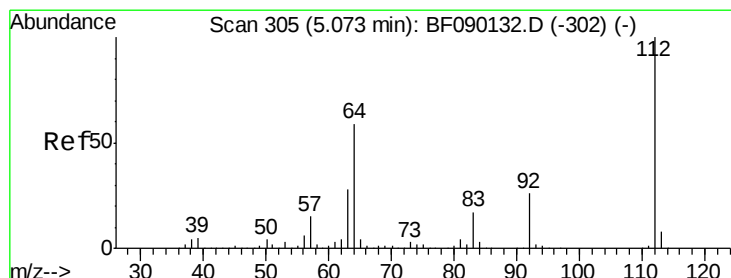
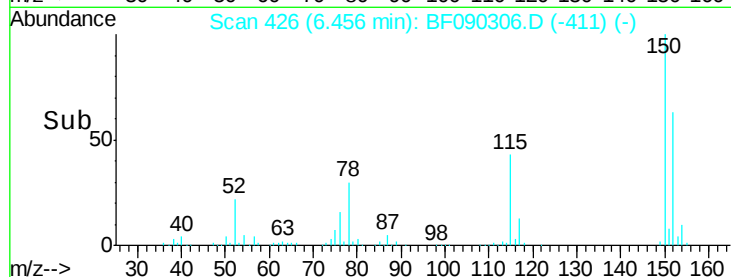
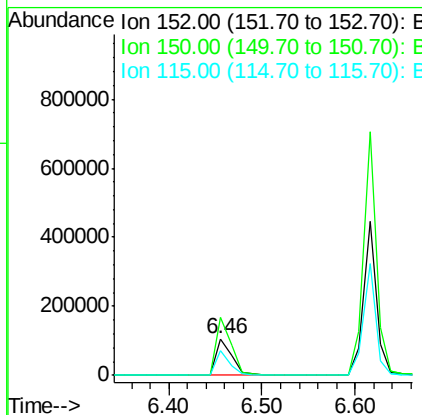
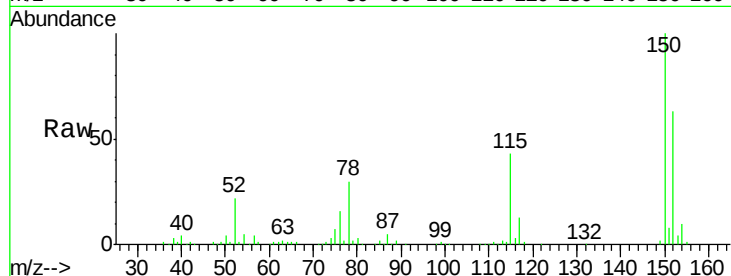
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	128.9	193.3
115	68.9	55.5	83.3

Manual Integrations
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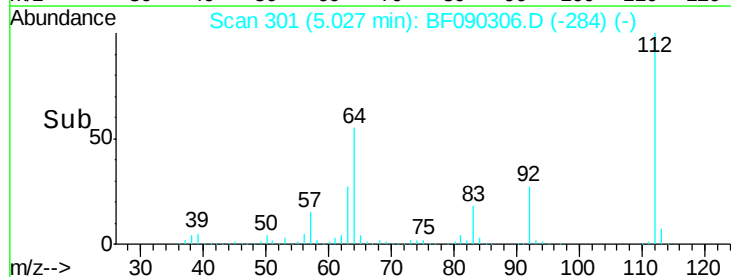
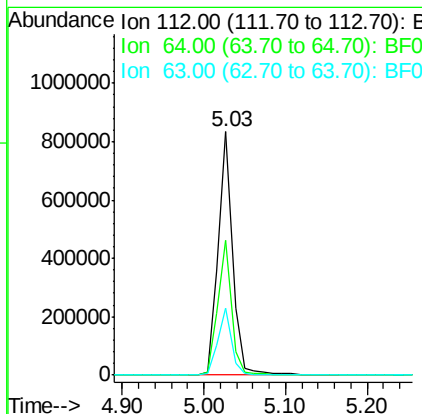
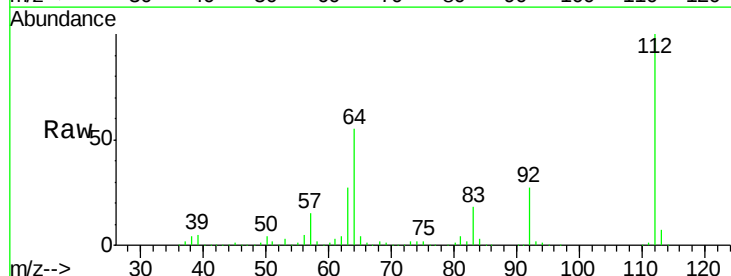
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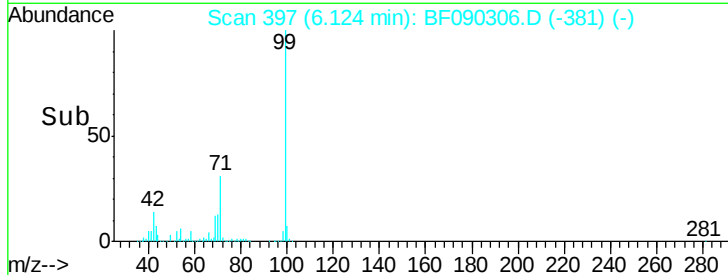
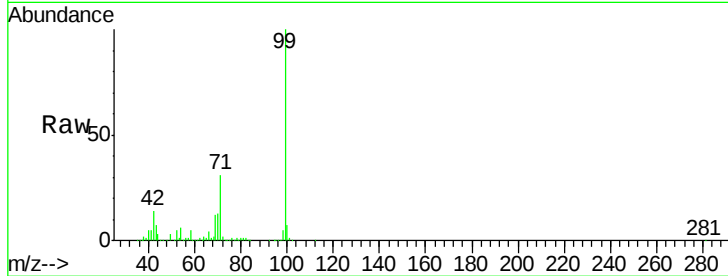
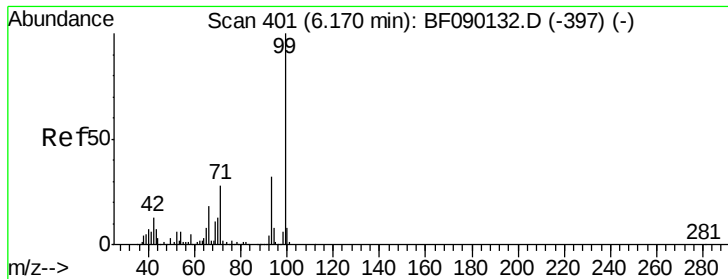


#5

2-Fluorophenol
Concen: 136.99 ng
RT: 5.03 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	39.8	59.6
63	27.4	18.9	28.3





#7

Phenol-d6

Concen: 140.36 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Tot Ion: 99 Resp: 1307422

Ion Ratio Lower Upper

99 100

42 13.7 10.6 15.8

71 31.3 23.0 34.6

Instrument :

BNA_F

ClientSampled :

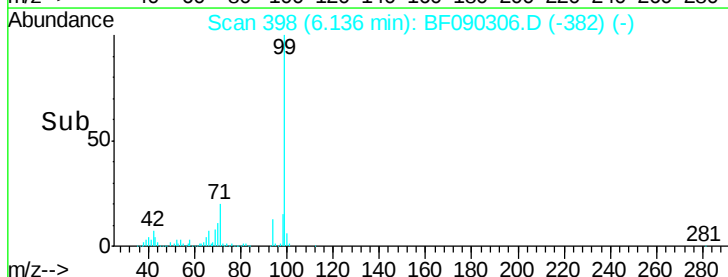
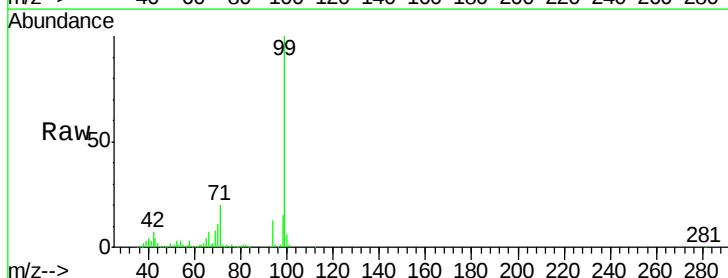
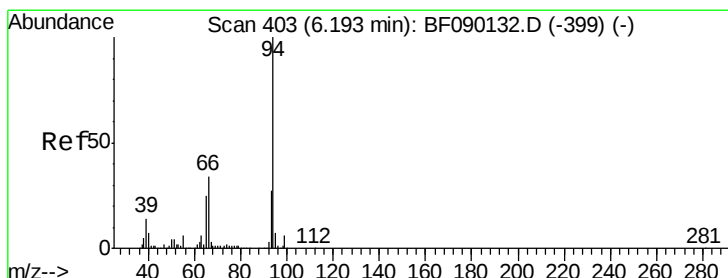
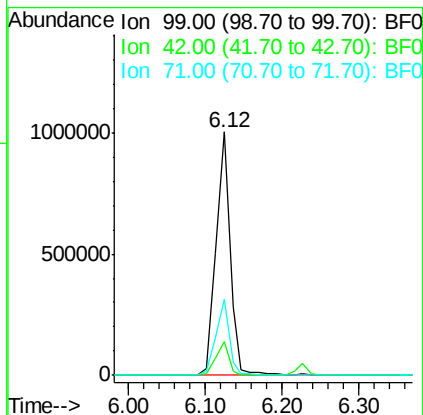
COMPOSITE-2

Manual Integrations

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#10

Phenol

Concen: 2.84 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

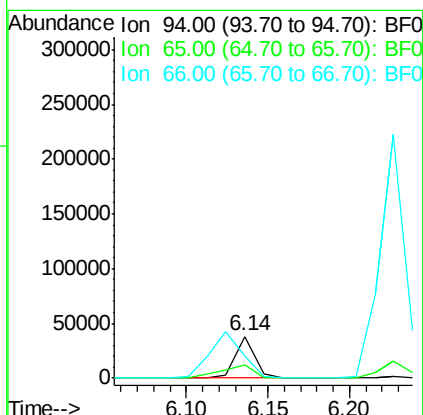
Tgt Ion: 94 Resp: 31282

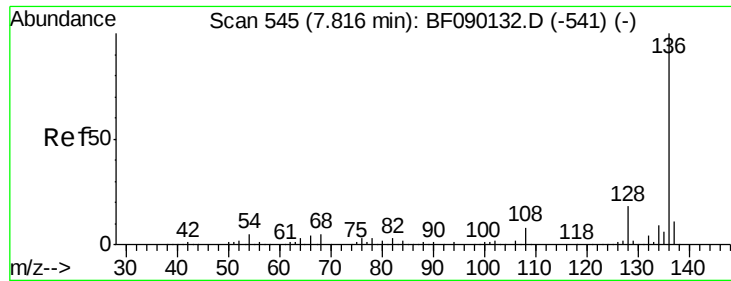
Ion Ratio Lower Upper

94 100

65 31.2 20.6 60.6

66 54.7 45.1 85.1





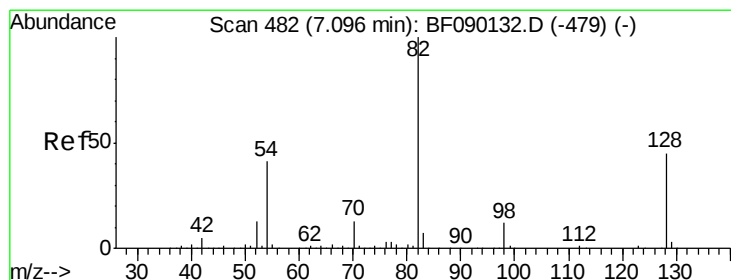
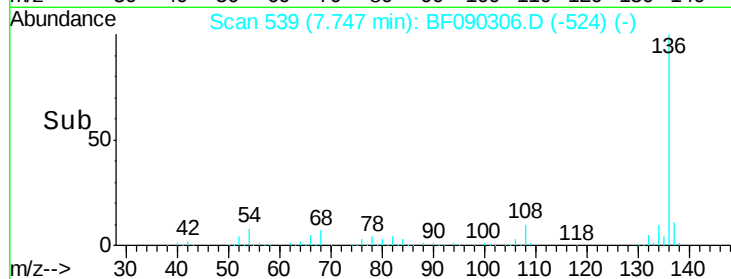
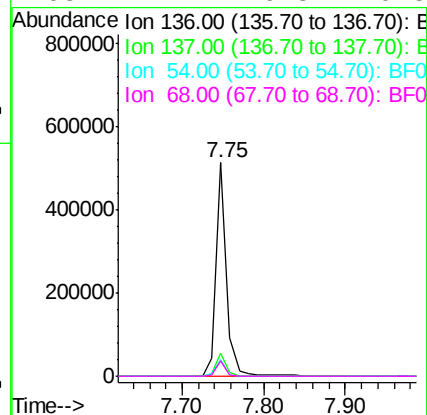
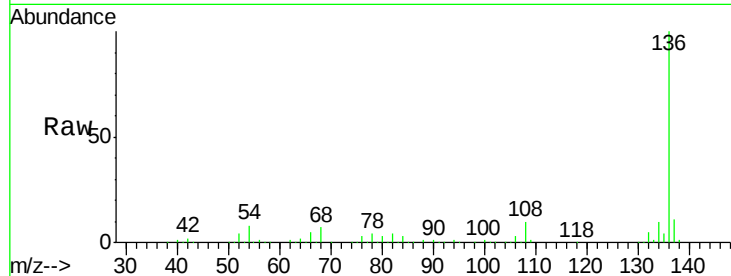
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	472735		
137	10.9	9.0	13.4	
54	7.5	6.4	9.6	
68	7.2	6.3	9.5	

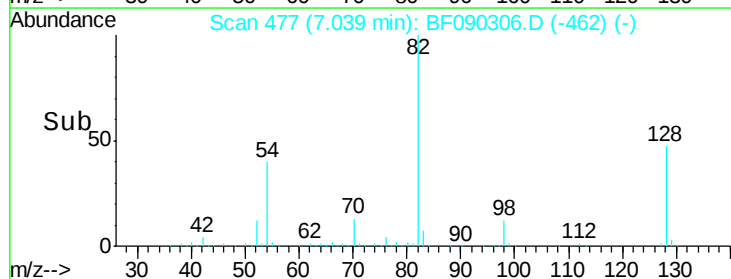
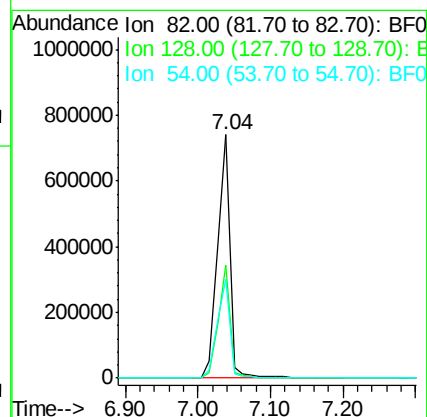
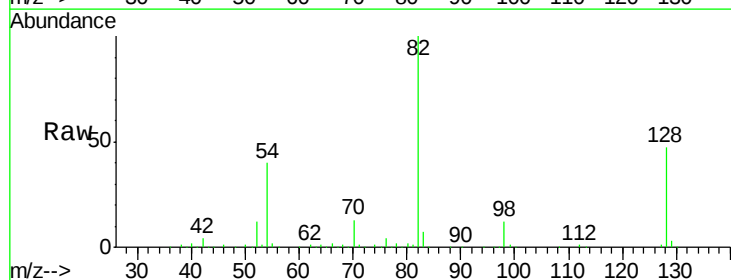
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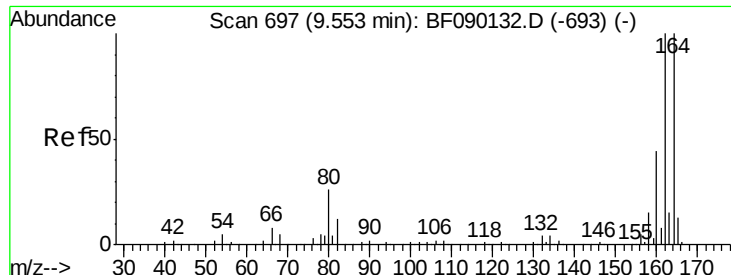
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#23
Nitrobenzene-d5
Concen: 108.93 ng
RT: 7.04 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	888349		
128	46.7	37.5	56.3	
54	40.4	31.9	47.9	





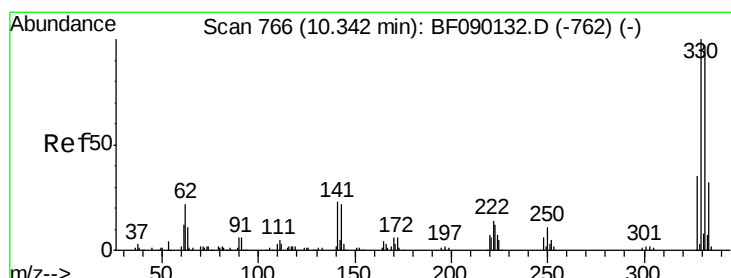
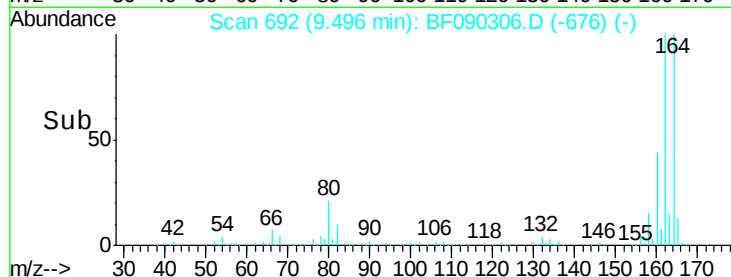
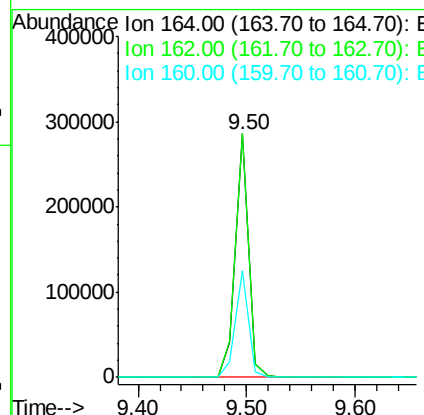
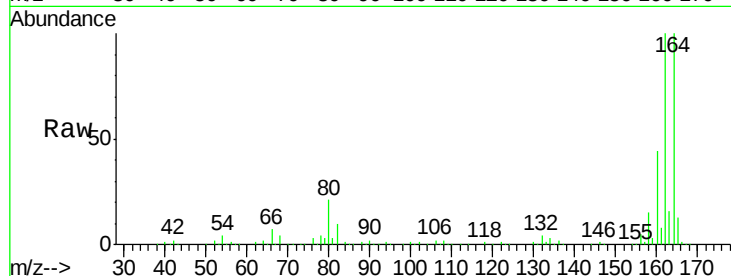
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	237382		
162	100.2	81.4	122.2	
160	43.9	36.6	54.8	

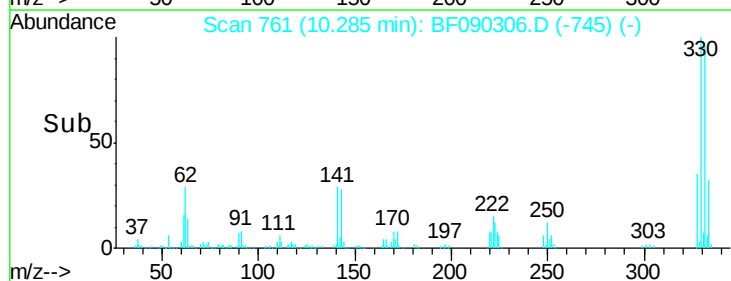
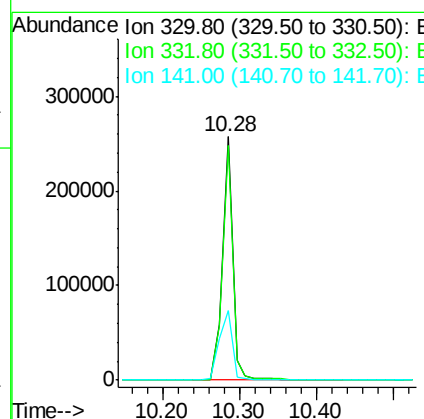
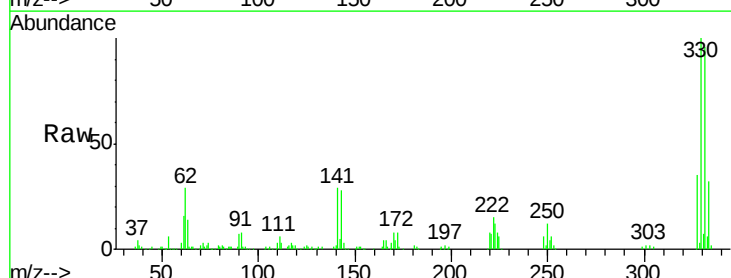
Manual Integrations
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#41
2,4,6-Tribromophenol
Concen: 118.70 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	241729		
332	96.8	78.1	117.1	
141	36.0	23.9	35.9#	





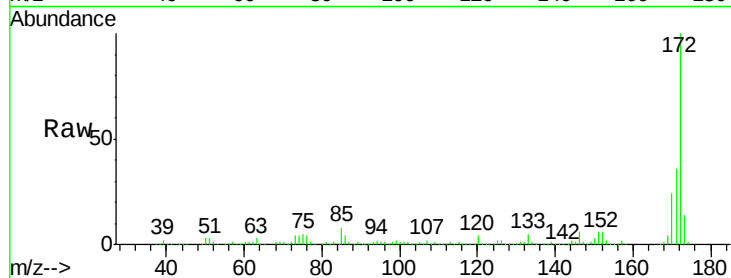
#44
2-Fluorobiphenyl
Concen: 96.09 ng
RT: 8.83 min Scan# 634
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampled :
COMPOSITE-2

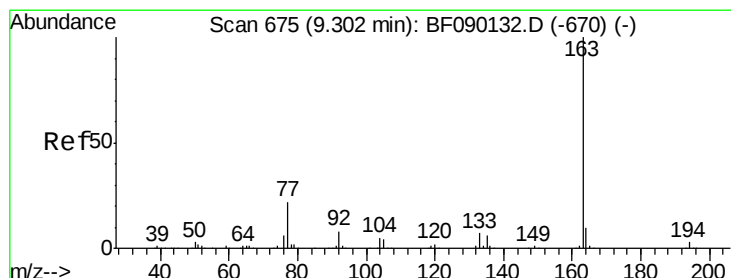
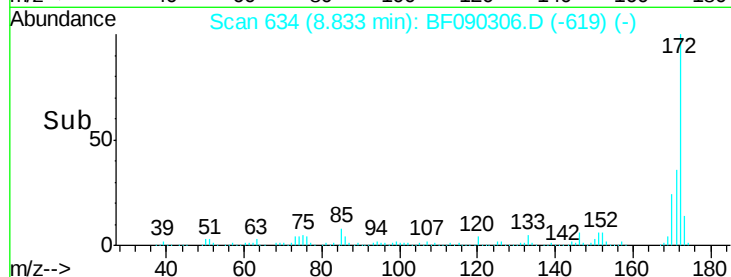
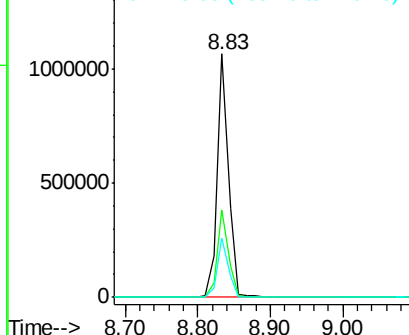
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.2	43.8
170	24.2	19.8	29.8

Manual Integrations
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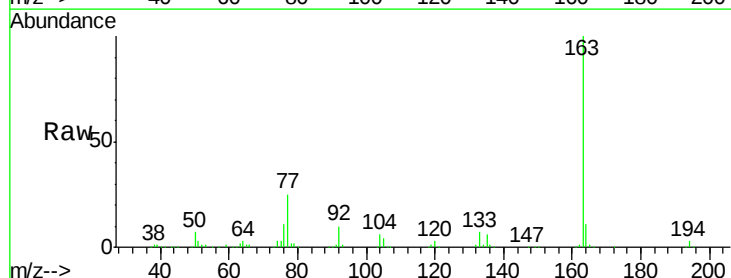


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

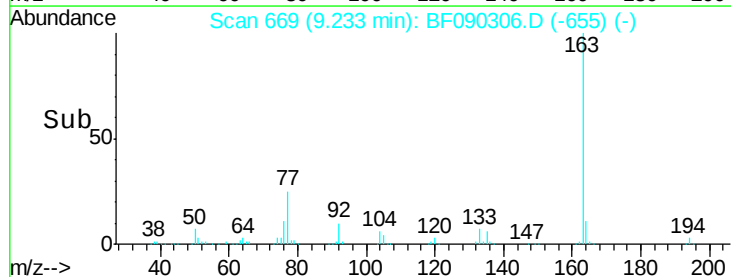
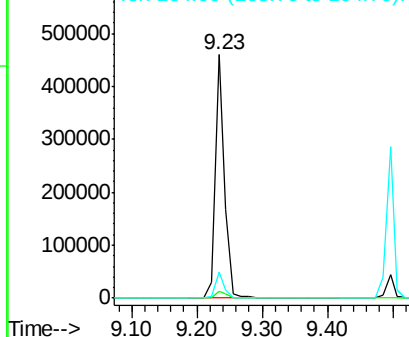


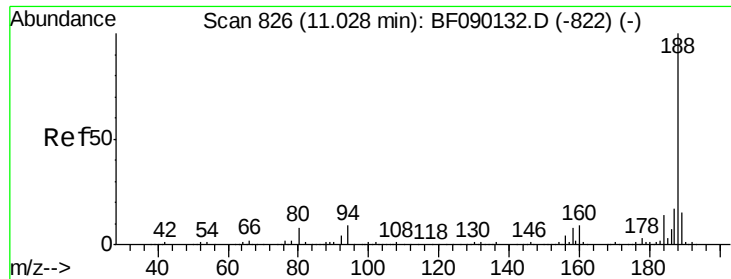
#49
Dimethylphthalate
Concen: 30.94 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.6	8.1	12.1



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





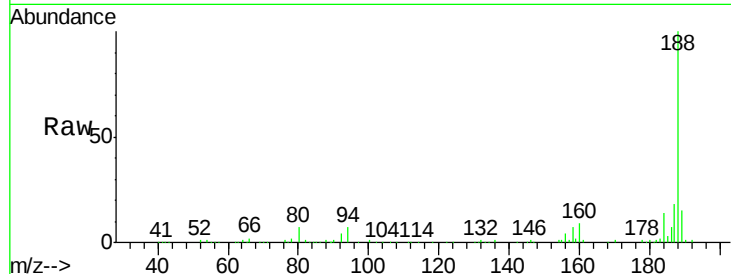
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampled :
COMPOSITE-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	279176		
94	7.4	10.5	15.7#	
80	7.3	11.2	16.8#	

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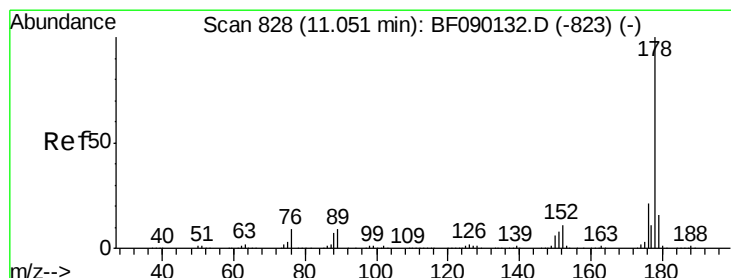
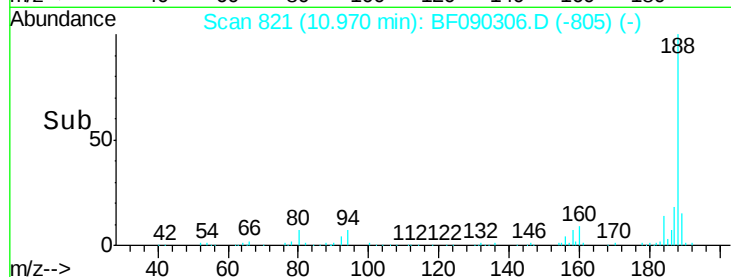
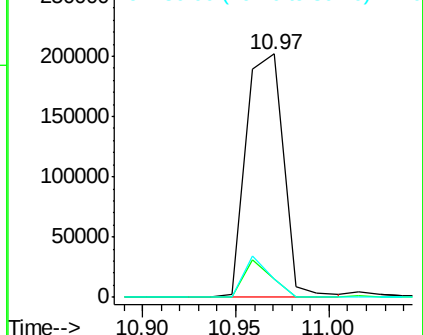
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



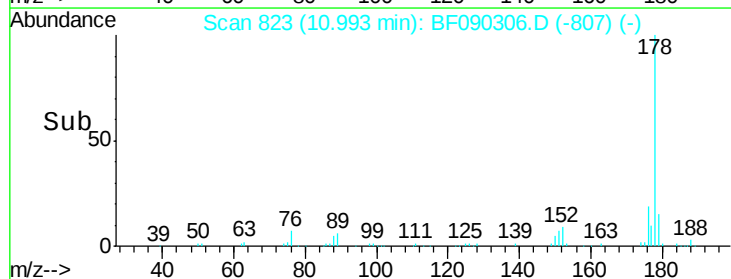
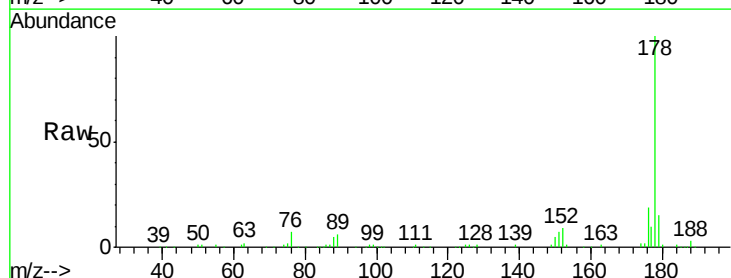
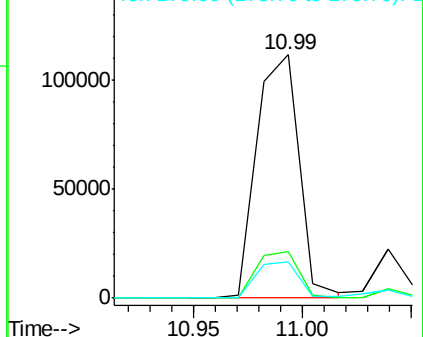
#70
Phenanthrene
Concen: 11.64 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

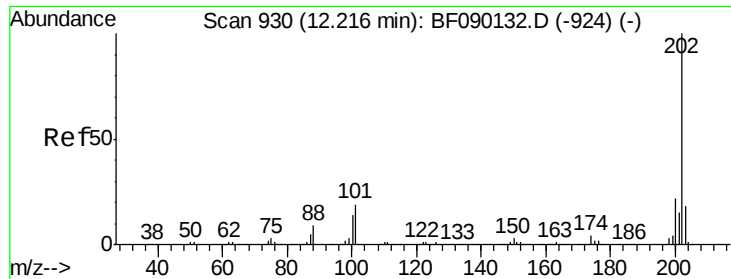
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	152008		
176	18.9	15.9	23.9	
179	15.1	12.9	19.3	

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





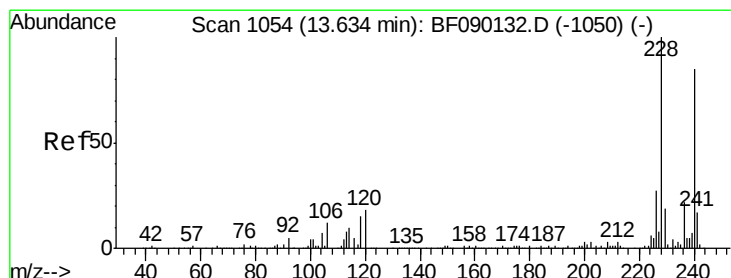
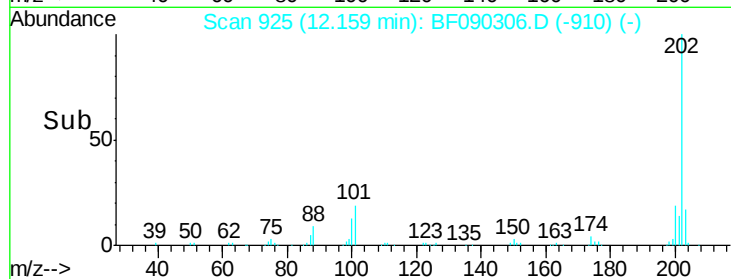
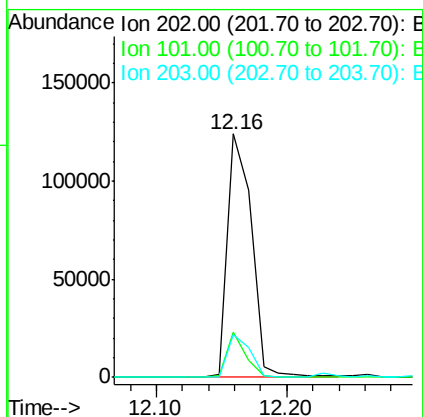
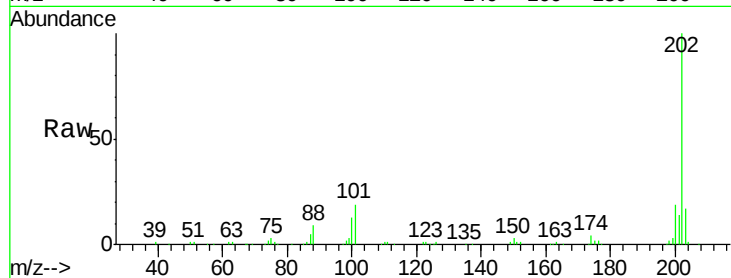
#74
Fluoranthene
 Concen: 11.42 ng
 RT: 12.16 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	160077		
101	18.8	0.0	36.1	
203	17.4	0.0	38.2	

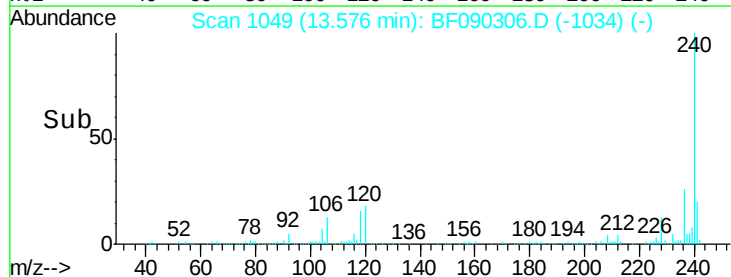
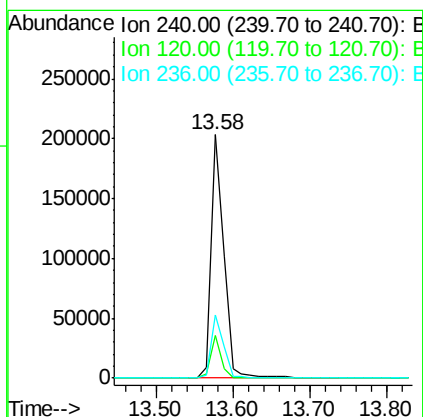
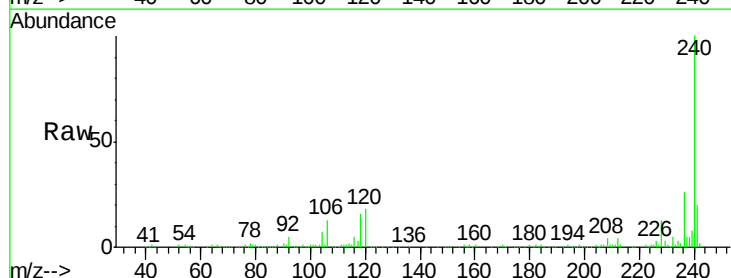
Manual Integrations
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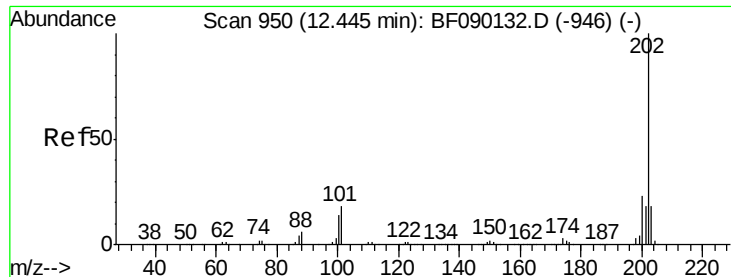
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.58 min Scan# 1049
 Delta R.T. -0.02 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	230850		
120	17.5	10.6	16.0#	
236	25.8	21.6	32.4	





#77

Pvrene

Concen: 8.26 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Instrument :

BNA_F

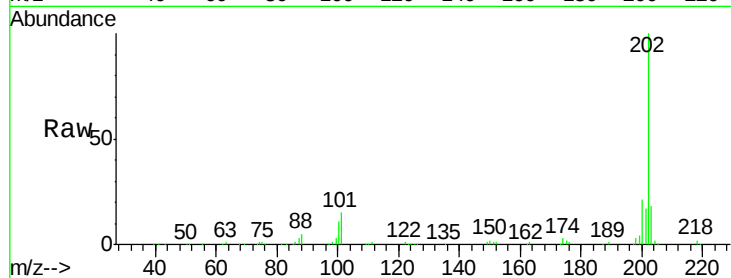
ClientSampleId :

COMPOSITE-2

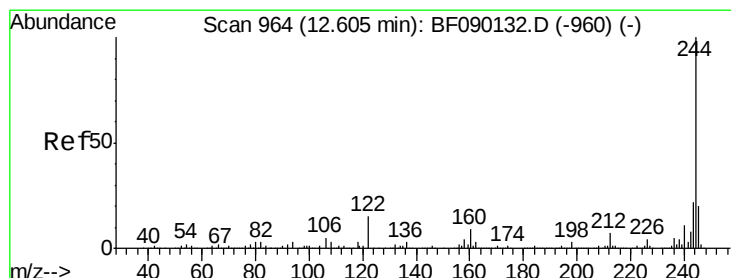
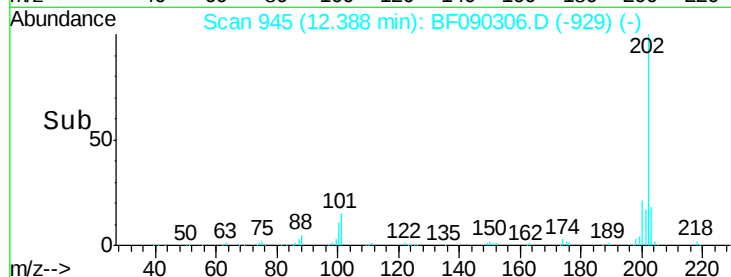
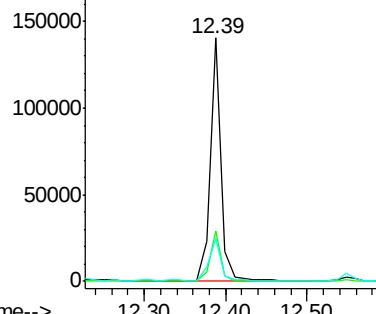
Tot Ion:	202	Resp:	130542
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.9	26.9
203	17.6	14.2	21.4

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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: 82.28 ng

RT: 12.55 min Scan# 959

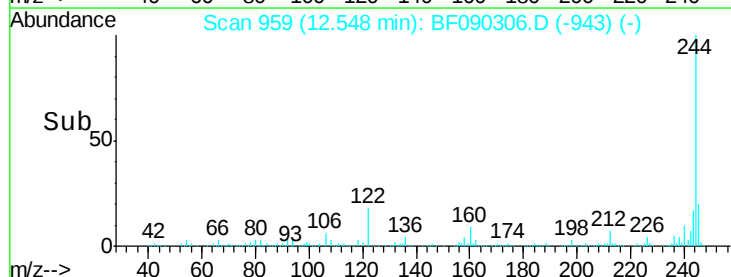
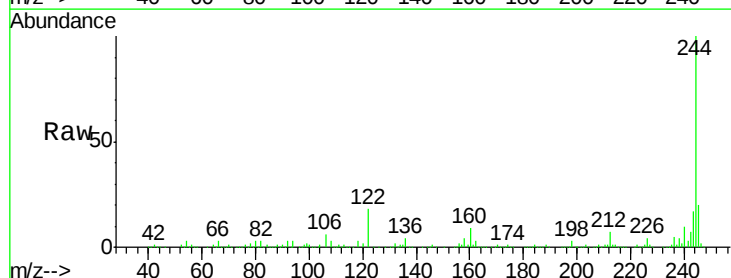
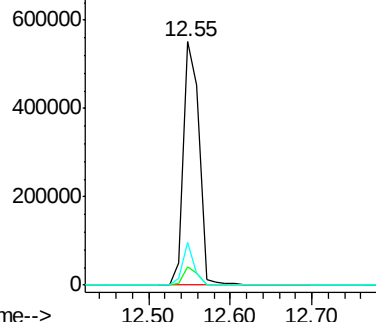
Delta R.T. -0.01 min

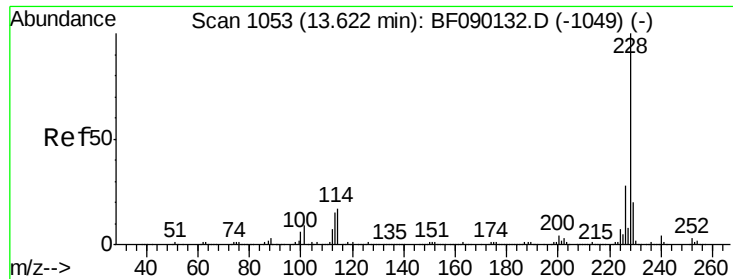
Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Tgt Ion:	244	Resp:	748111
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	17.6	9.4	14.0#

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





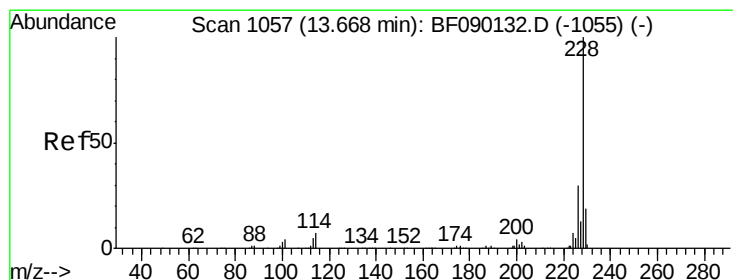
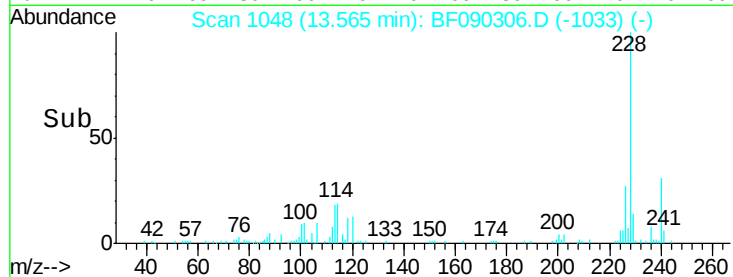
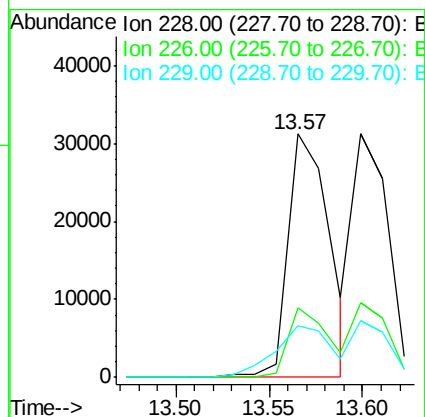
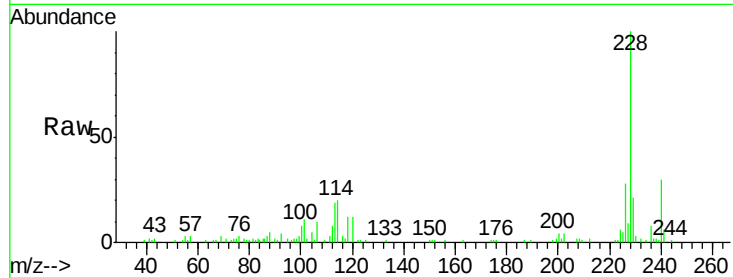
#80
Benzo(a)anthracene
Concen: 3.90 ng
RT: 13.57 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.0	33.0
229	21.4	16.2	24.2

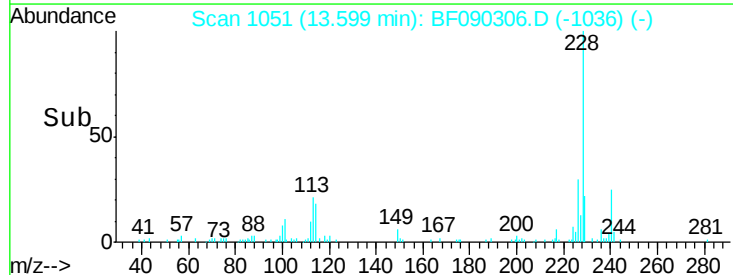
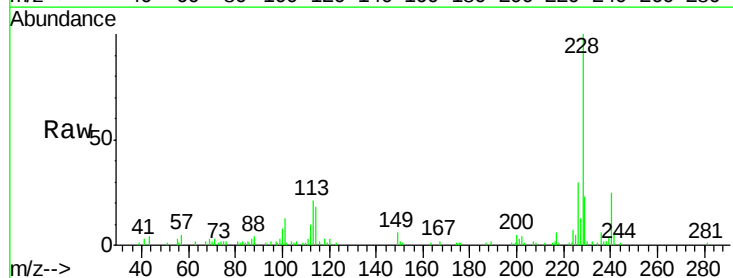
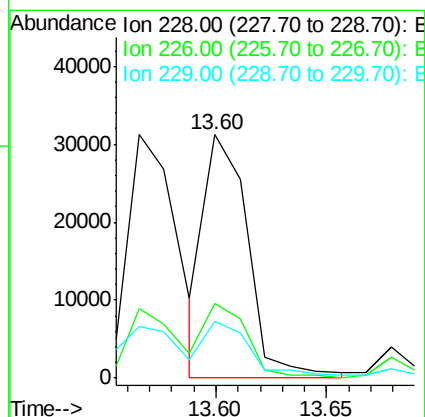
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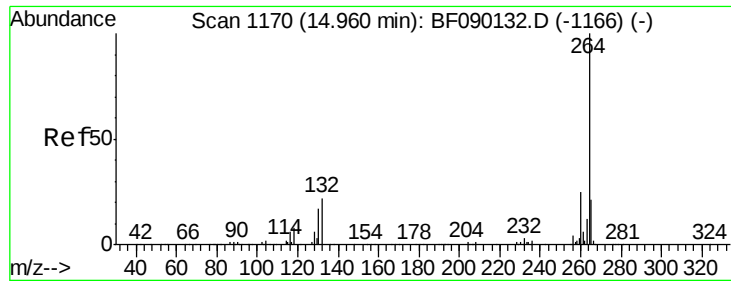
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#82
Chrysene
Concen: 3.54 ng m
RT: 13.60 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	23.1	16.2	24.4





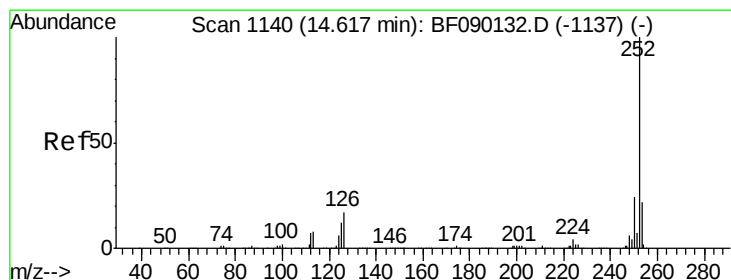
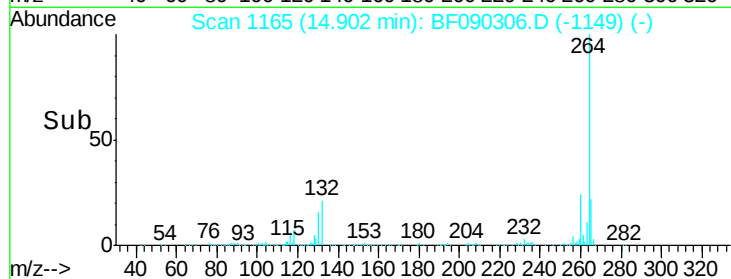
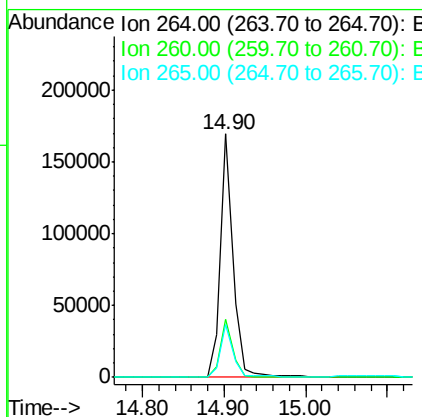
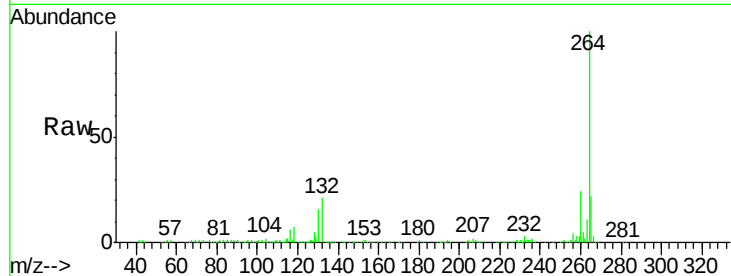
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tot Ion:	264	Resp:	183215
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	21.7	17.0	25.4

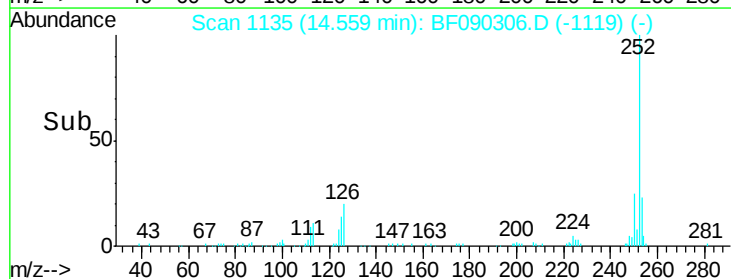
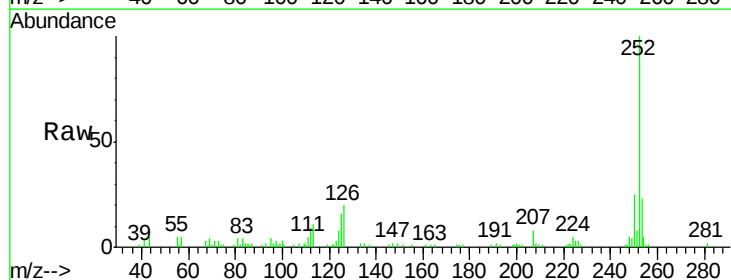
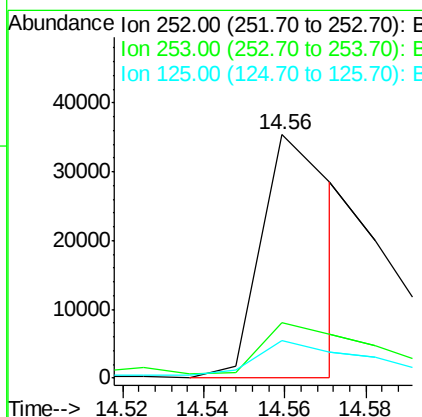
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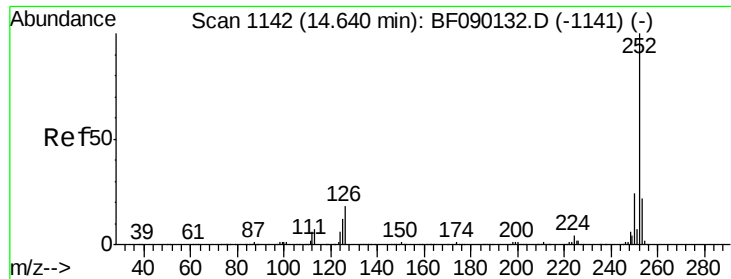
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#87
Benzo(b)fluoranthene
Concen: 4.45 ng m
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion:	252	Resp:	45135
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	15.6	12.7	19.1





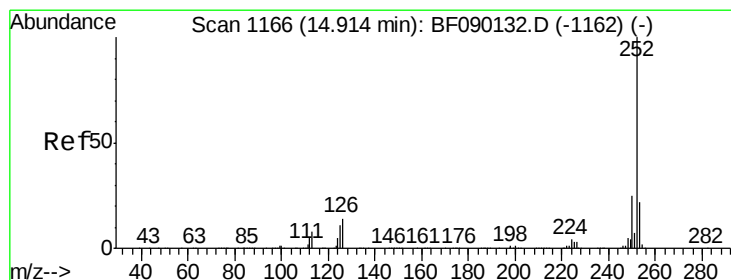
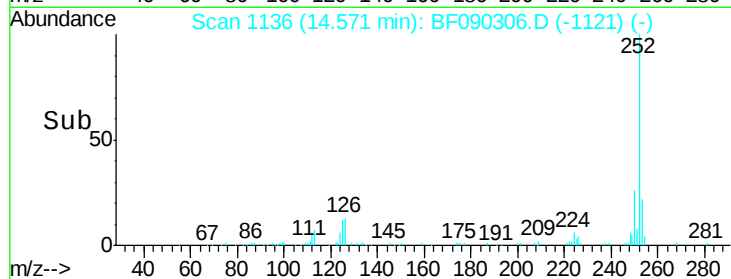
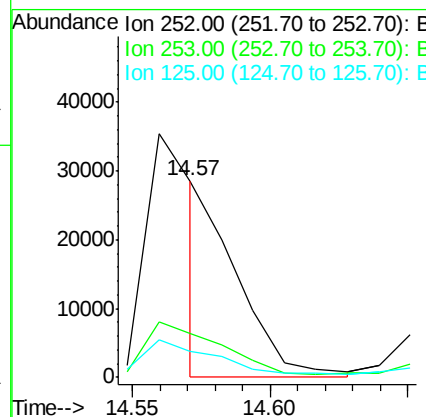
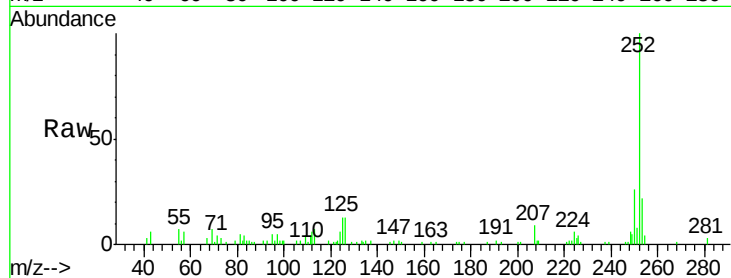
#88
Benzo(k)fluoranthene
Concen: 2.45 ng
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	13.4	7.8	11.6

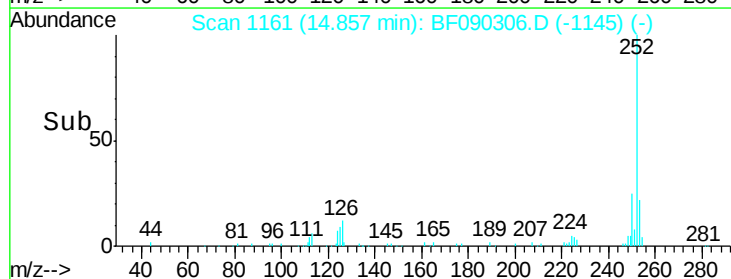
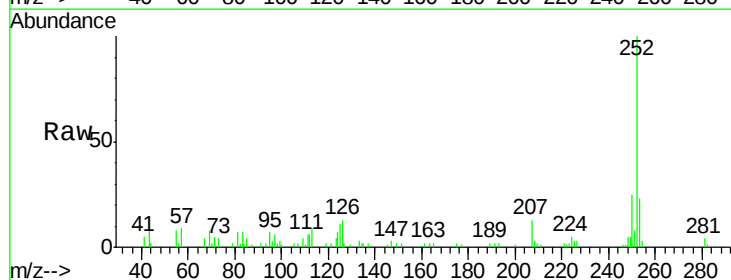
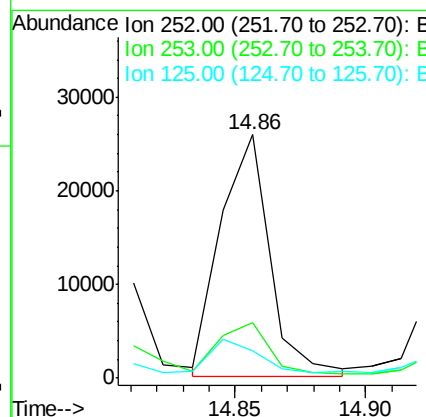
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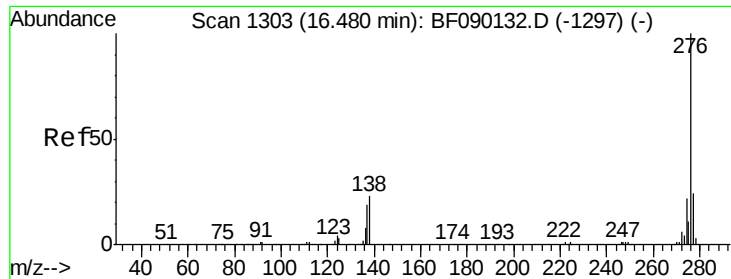
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#89
Benzo(a)pyrene
Concen: 3.58 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	11.0	7.7	11.5





#91
 Benzo(a,h,i)perylene
 Concen: 2.55 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Instrument :
 BNA_F
 ClientSampled :
 COMPOSITE-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	26.5	23.3	34.9

Manual Integrations
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