

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088546.D
 Acq On : 30 Jun 2016 23:23
 Operator : UM/SJ
 Sample : H3629-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

Manual Integrations

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 7/1/2016 8:05:27 AM

Quant Time: Jul 01 02:19:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	175783	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	748576	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	352774	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	631620	20.00	ng	0.00
75) Chrysene-d12	13.95	240	482892	20.00	ng	0.00
86) Perylene-d12	15.35	264	387526	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1236925	105.46	ng	0.01
7) Phenol-d6	6.46	99	1934109	127.62	ng	0.01
23) Nitrobenzene-d5	7.38	82	1195128	83.67	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	410834	125.41	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1454008	65.10	ng	0.00
78) Terphenyl-d14	12.91	244	1208523	55.74	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	275429	10.96	ng	99
70) Phenanthrene	11.35	178	163395	4.73	ng	98
74) Fluoranthene	12.53	202	203187	5.80	ng	95
77) Pyrene	12.75	202	208995	5.10	ng	99
80) Benzo(a)anthracene	13.94	228	78677	2.53	ng	99
82) Chrysene	13.98	228	71623m	2.33	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	52734	2.53	ng	# 98
87) Benzo(b)fluoranthene	14.95	252	61519m	2.53	ng	
89) Benzo(a)pyrene	15.29	252	51067m	2.48	ng	

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

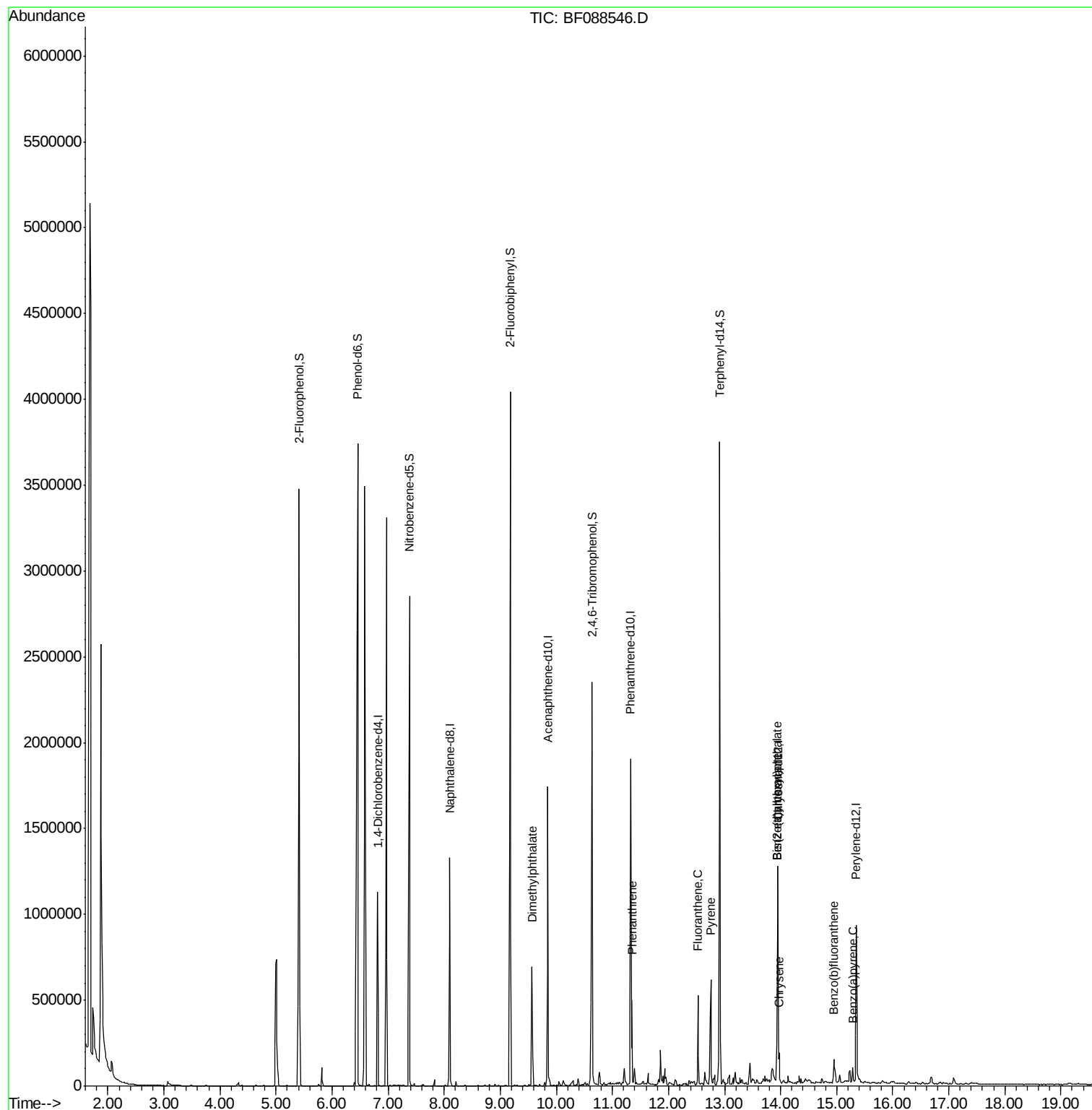
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
Data File : BF088546.D
Acq On : 30 Jun 2016 23:23
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QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tgt Ion:152 Resp: 175783

Ion Ratio Lower Upper

152 100

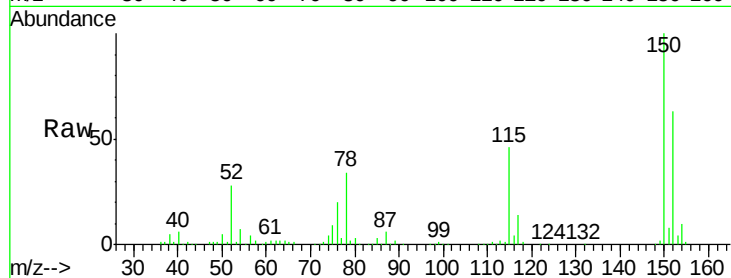
150 157.8 123.8 185.6

115 72.4 39.6 59.4#

Manual Integrations

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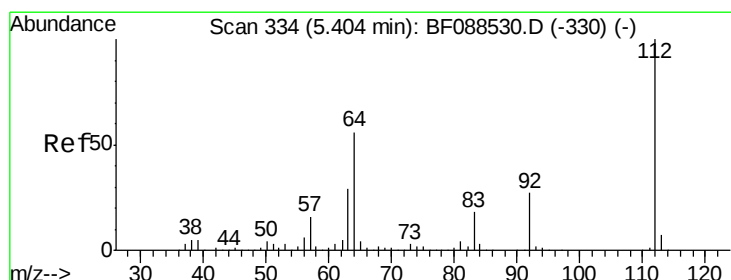
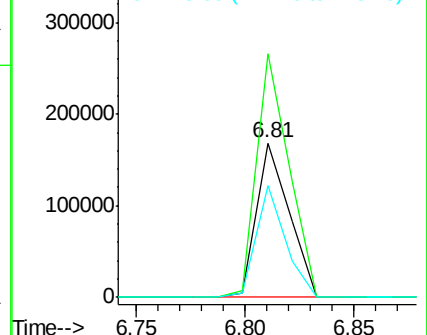
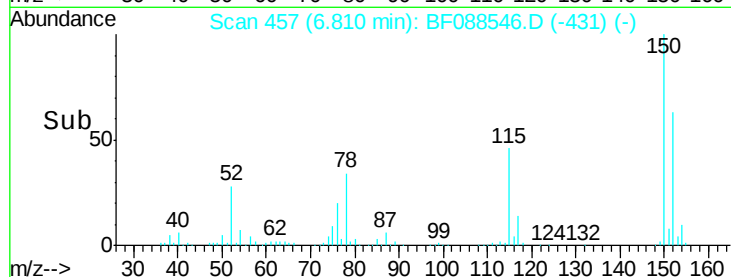
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 105.46 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

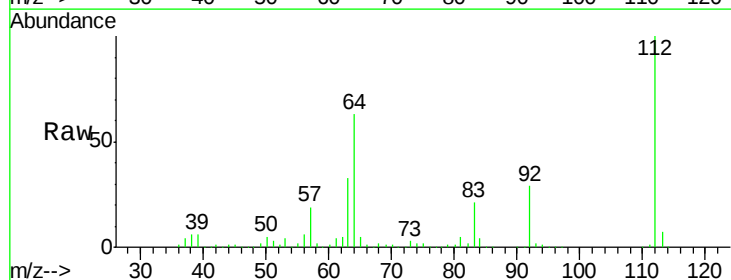
Tgt Ion:112 Resp: 1236925

Ion Ratio Lower Upper

112 100

64 63.2 42.2 63.2

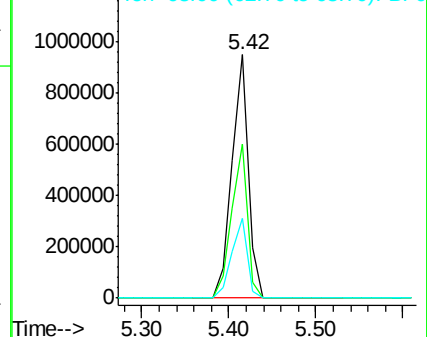
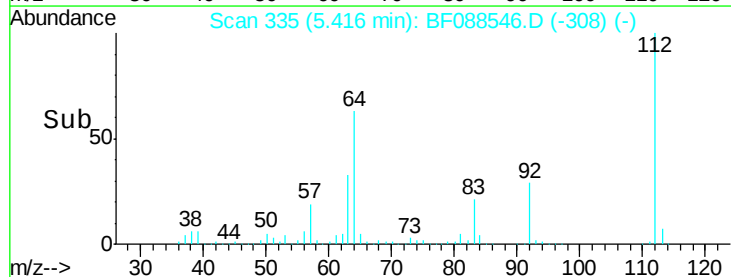
63 33.0 21.8 32.8#



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





#7

Phenol-d6

Concen: 127.62 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tgt Ion: 99 Resp: 1934109

Ion Ratio Lower Upper

99 100

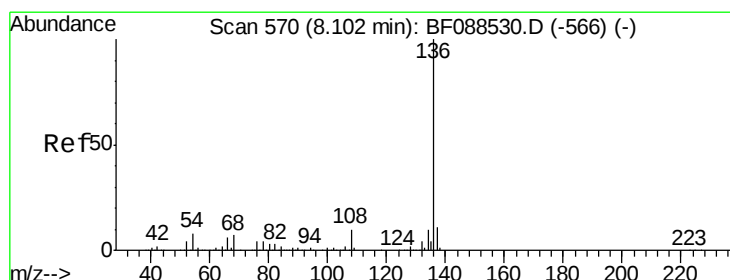
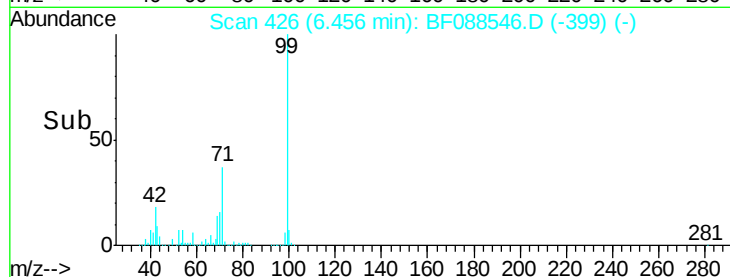
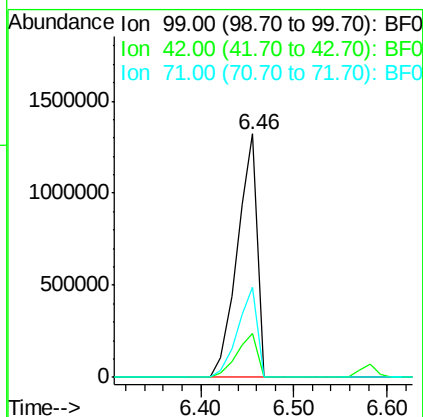
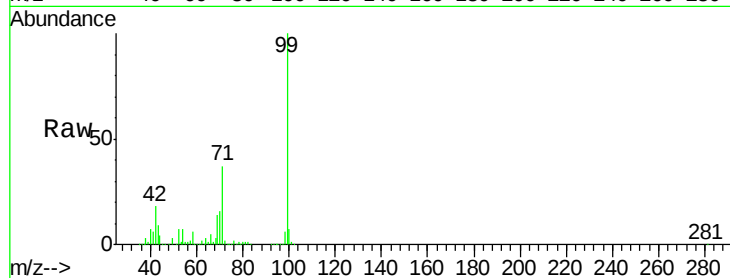
42 17.8 12.2 18.2

71 37.1 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Tgt Ion: 136 Resp: 748576

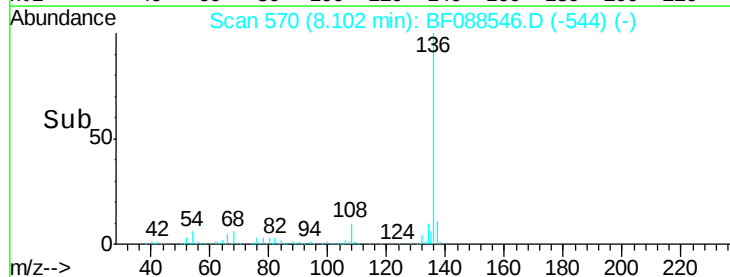
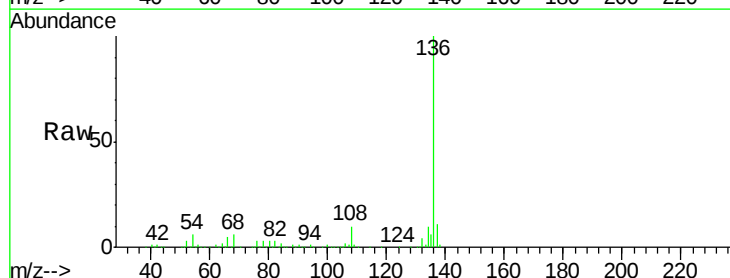
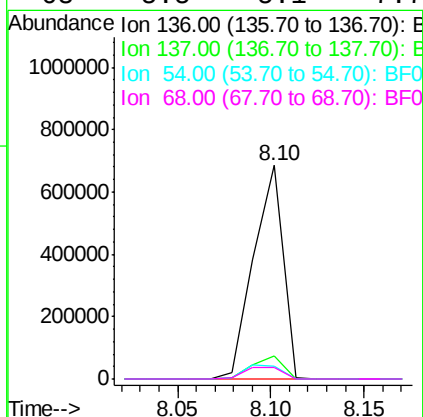
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.1 6.6 10.0#

68 5.5 5.1 7.7





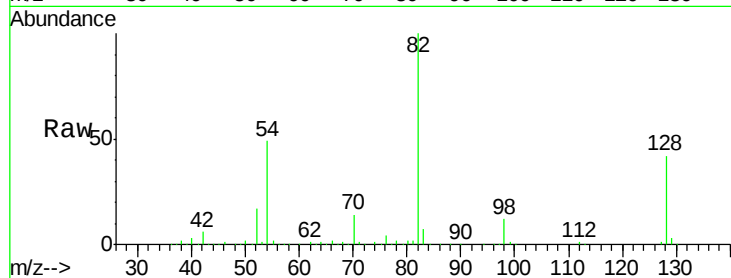
#23
 Nitrobenzene-d5
 Concen: 83.67 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

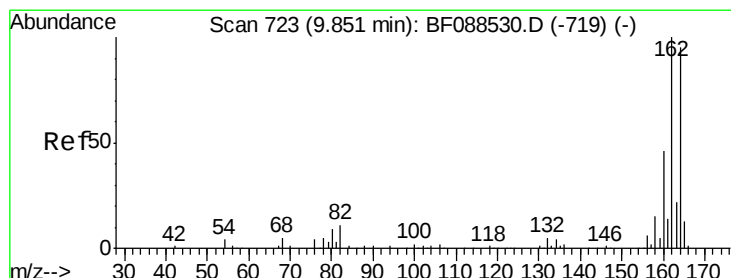
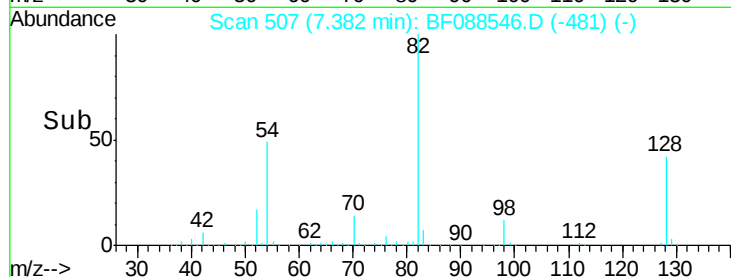
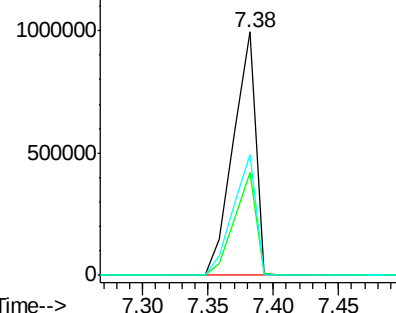
Tgt Ion: 82 Resp: 1195128
 Ion Ratio Lower Upper
 82 100
 128 42.1 35.9 53.9
 54 49.4 40.9 61.3

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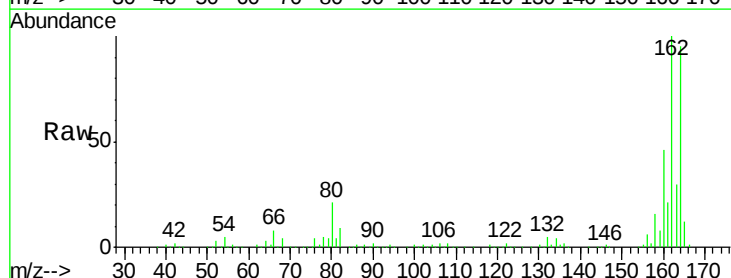


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

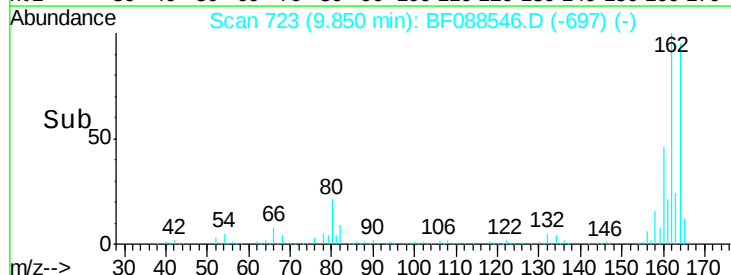
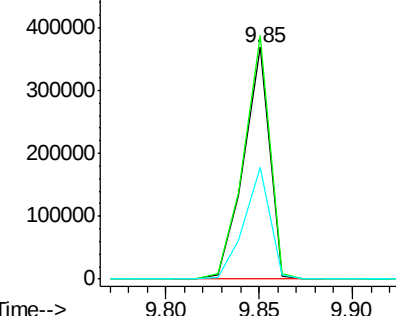


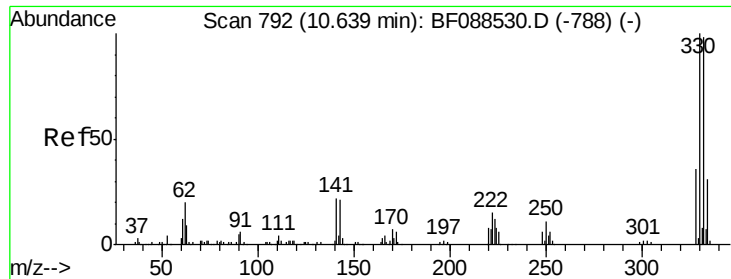
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Tgt Ion: 164 Resp: 352774
 Ion Ratio Lower Upper
 164 100
 162 105.0 85.4 128.2
 160 48.5 39.5 59.3



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





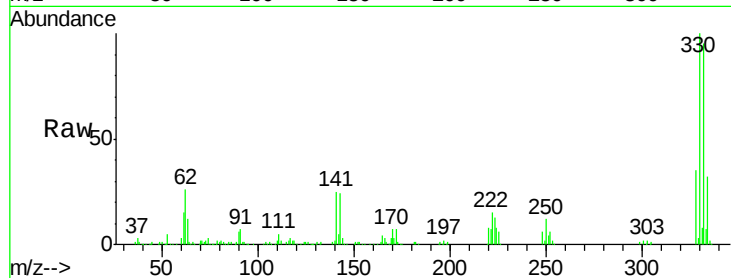
#41
 2,4,6-Tribromophenol
 Concen: 125.41 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5D(9-11)

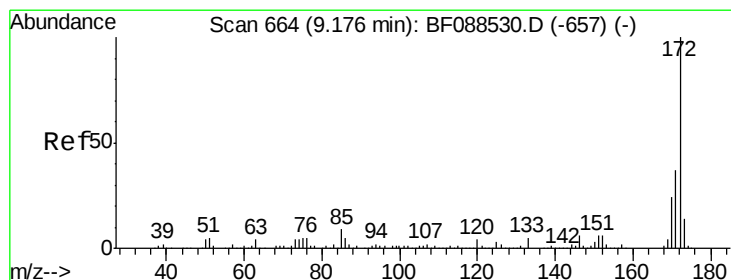
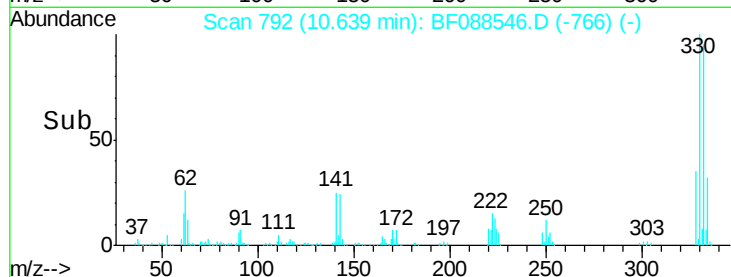
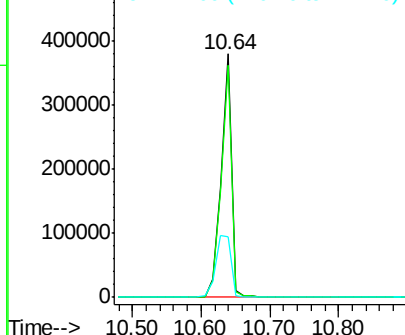
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	410834		
332	95.8	0.0	0.0	0.0
141	37.2	0.0	0.0	0.0

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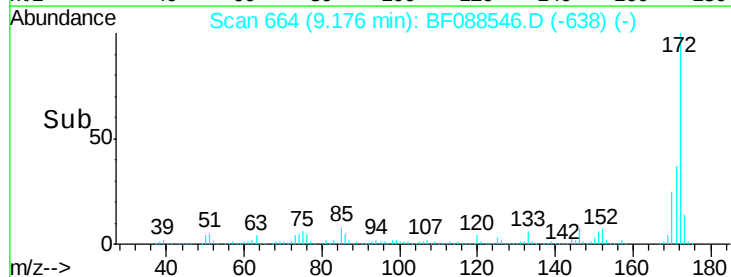
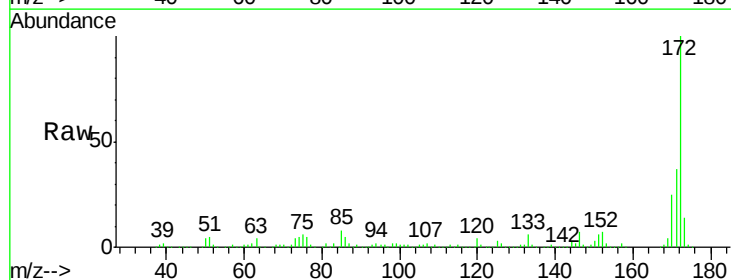
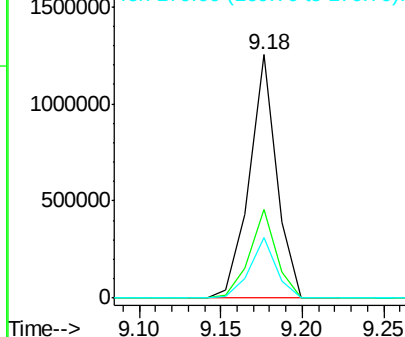
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

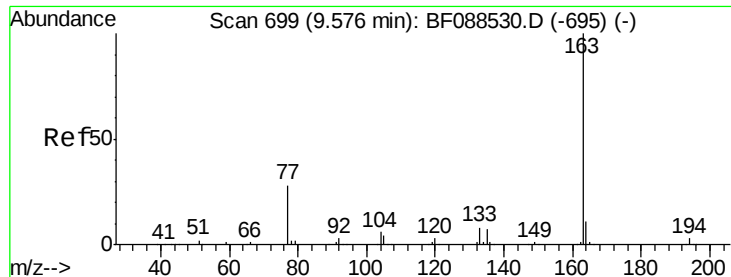


#44
 2-Fluorobiphenyl
 Concen: 65.10 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: BF088546.D
 Acq: 30 Jun 2016 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1454008		
171	36.7	28.6	43.0	
170	24.7	19.2	28.8	

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





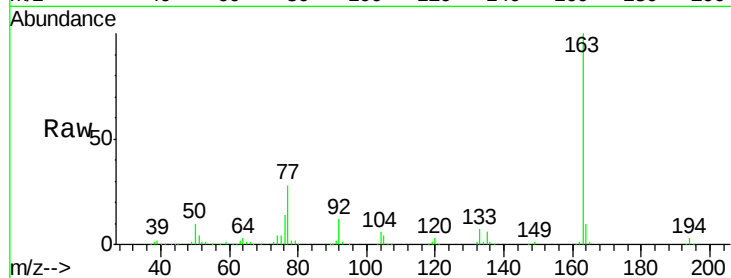
#49
Dimethylphthalate
Concen: 10.96 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

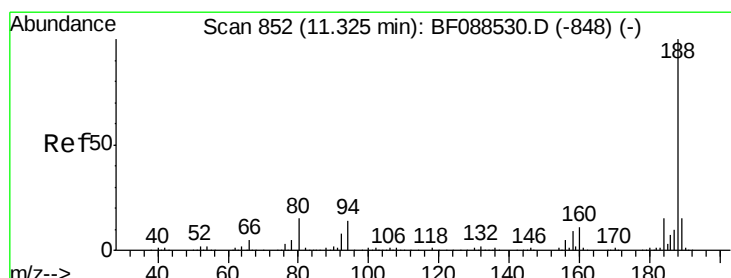
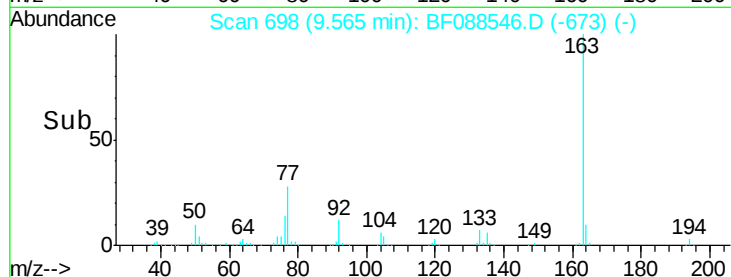
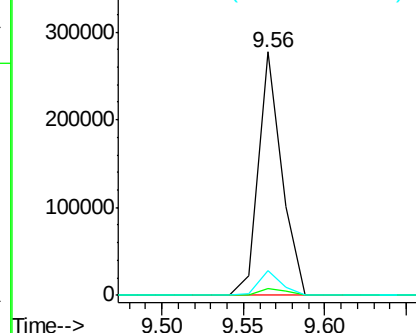
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.8	4.2
164	10.1	8.3	12.5

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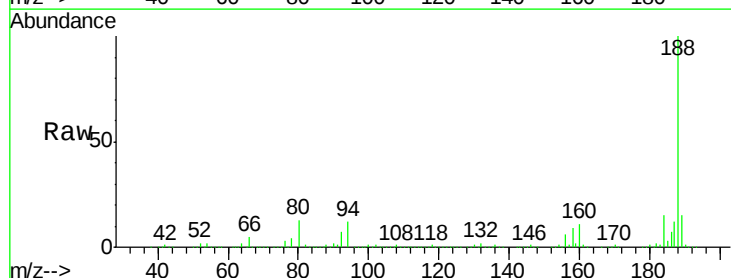


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

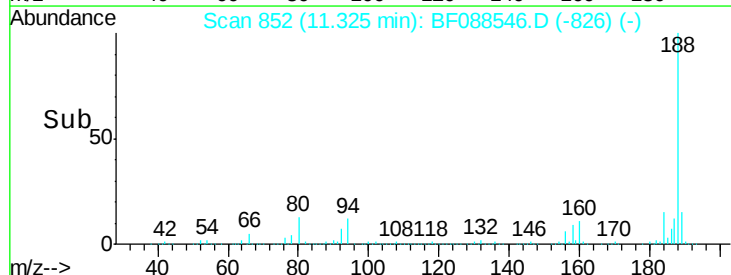
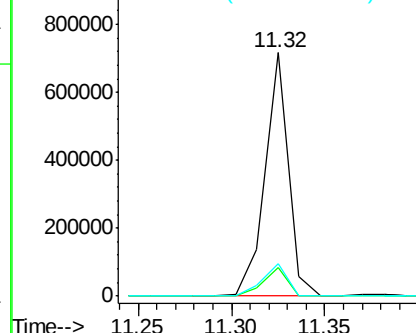


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.0	13.6
80	13.4	10.0	15.0



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





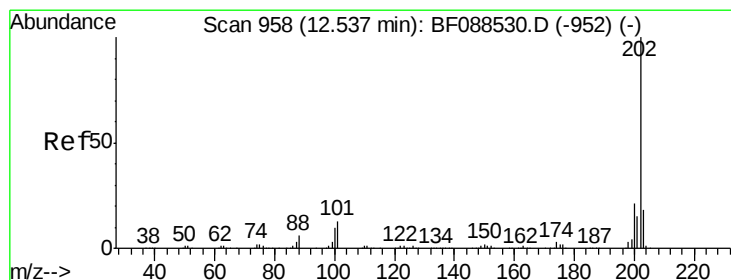
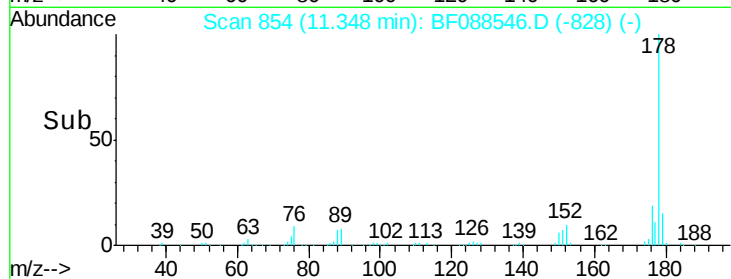
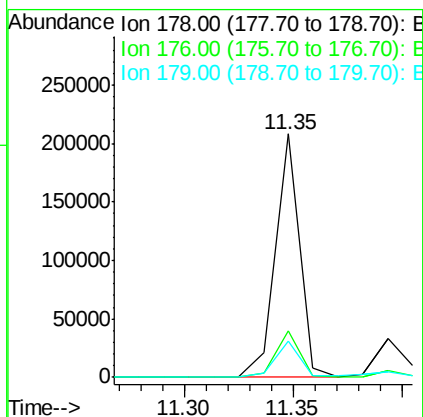
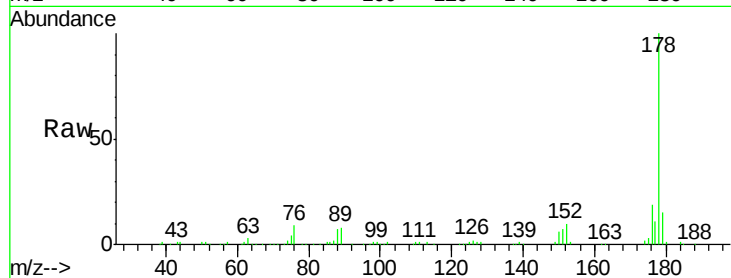
#70
Phenanthrene
Concen: 4.73 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.1	13.0	19.4

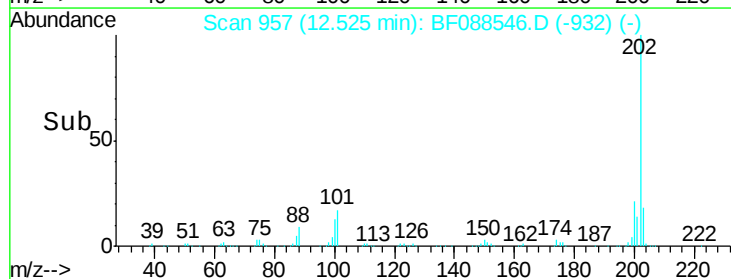
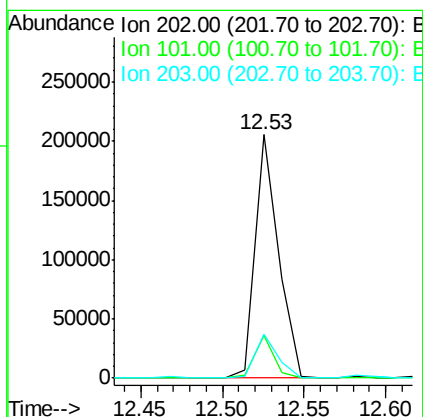
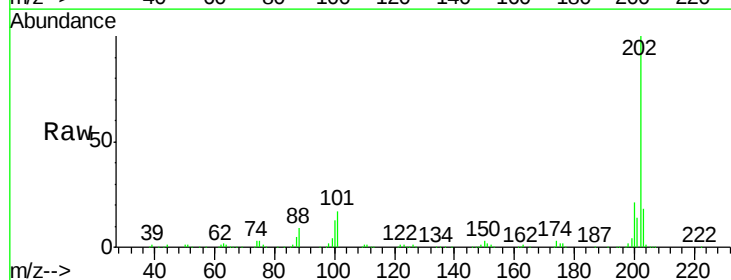
Manual Integrations

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#74
Fluoranthene
Concen: 5.80 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.5	0.0	33.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

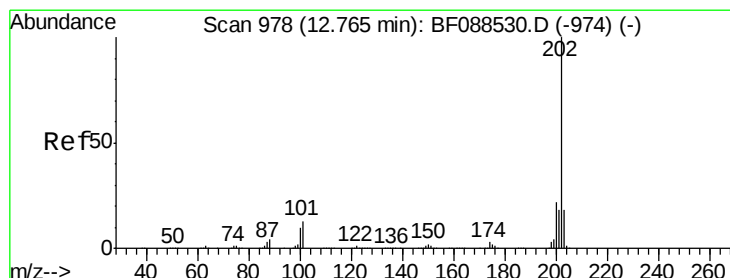
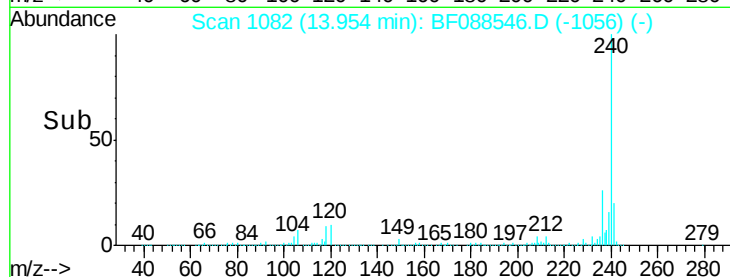
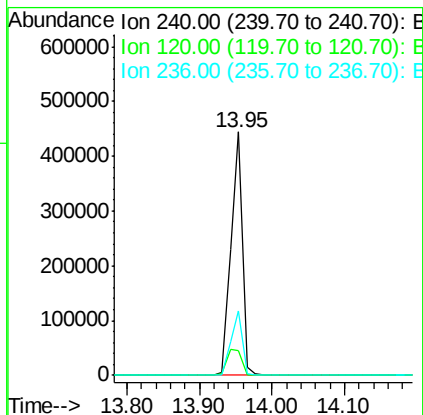
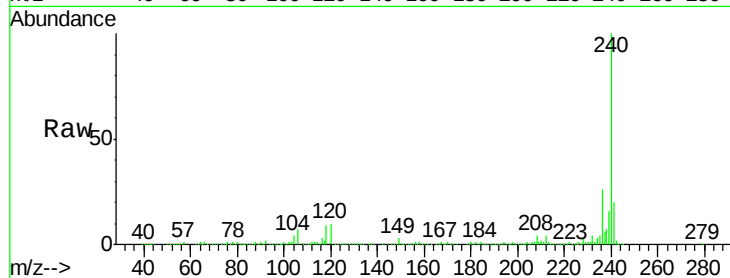
LOCATION-5D(9-11)

Tgt Ion:	240	Resp:	482892
Ion Ratio	Lower	Upper	
240	100		
120	9.9	6.8	10.2
236	26.3	20.2	30.2

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#77

Pyrene

Concen: 5.10 ng

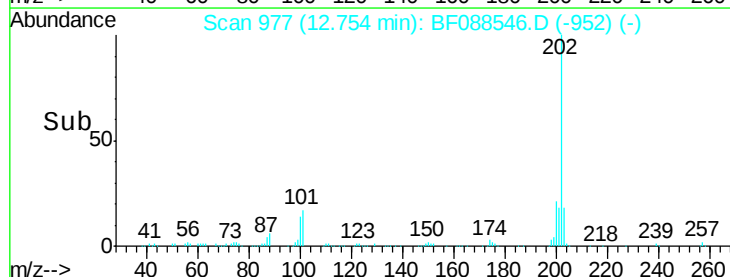
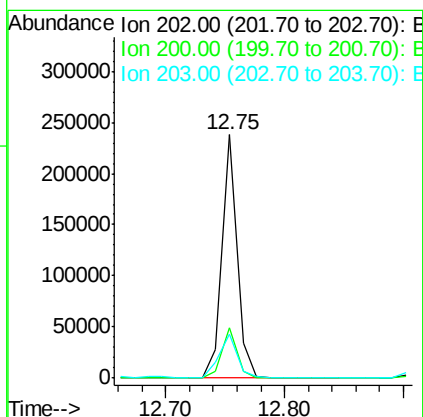
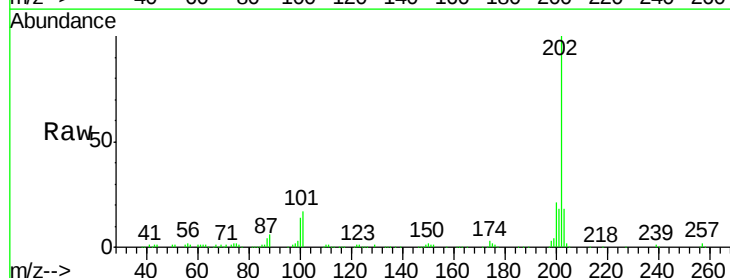
RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Tgt Ion:	202	Resp:	208995
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.3	14.5	21.7





#78

Terphenyl-d14

Concen: 55.74 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tgt Ion:244 Resp: 1208523

Ion Ratio Lower Upper

244 100

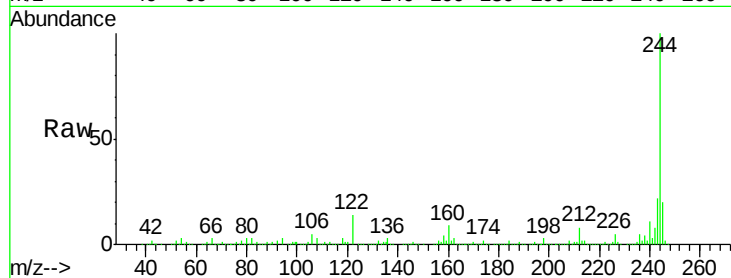
212 8.0 6.0 9.0

122 13.8 11.2 16.8

Manual Integrations

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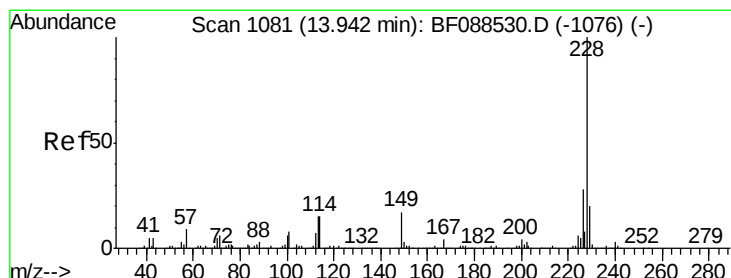
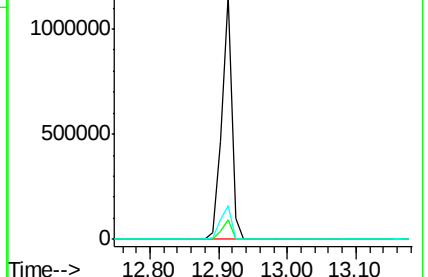
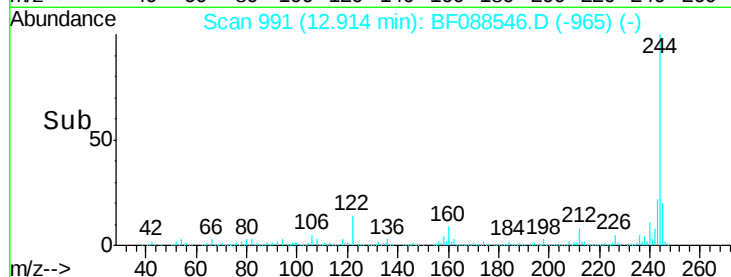
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.53 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

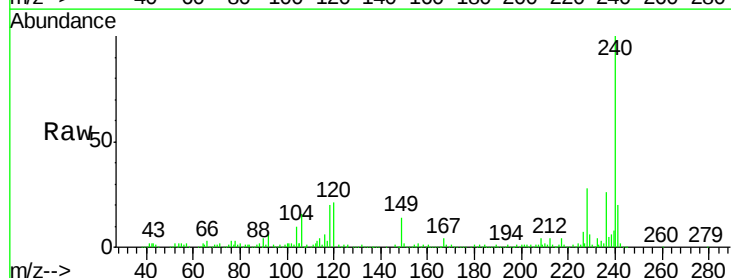
Tgt Ion:228 Resp: 78677

Ion Ratio Lower Upper

228 100

226 26.9 22.3 33.5

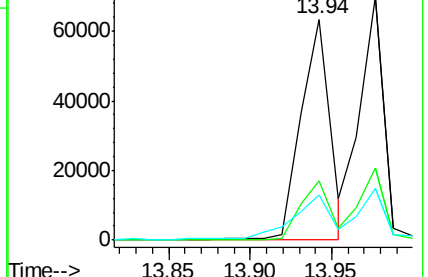
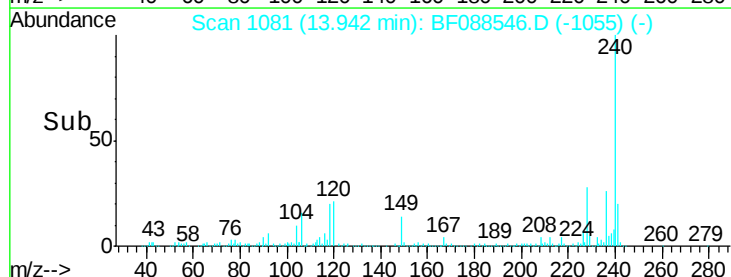
229 20.4 16.0 24.0

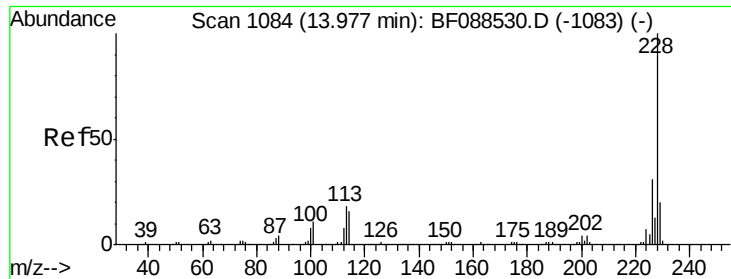


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.33 ng m

RT: 13.98 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BF088546.D

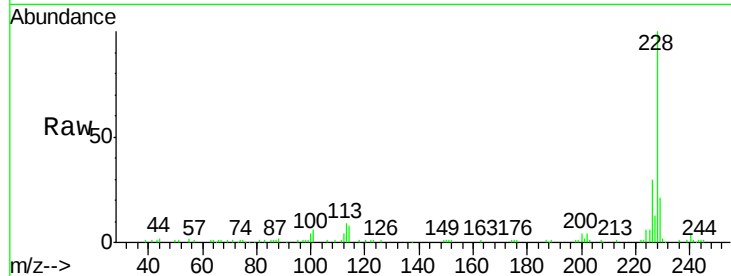
Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

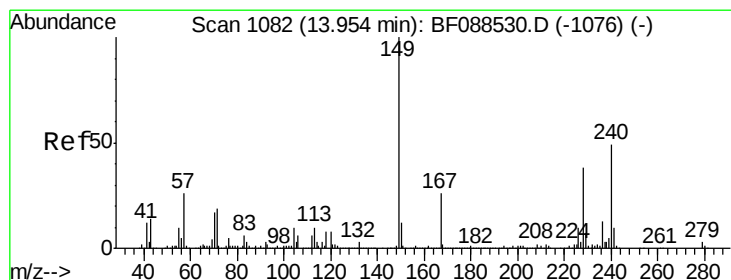
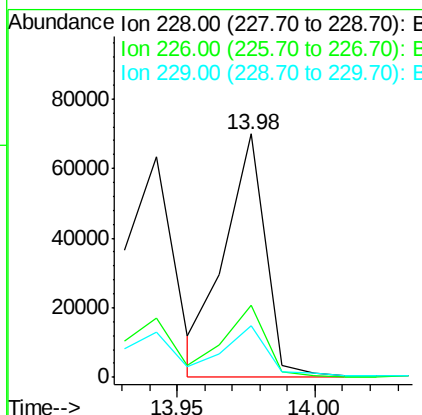
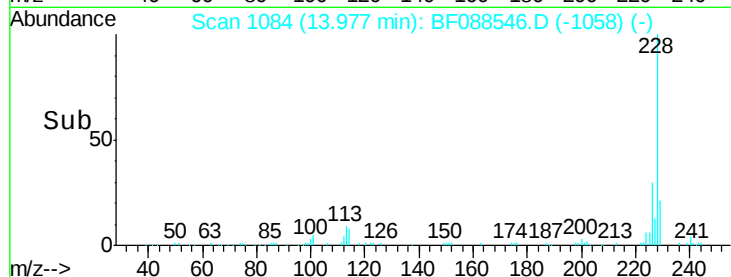


Tgt Ion:	228	Resp:	71623
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.4	38.2
229	21.3	16.3	24.5

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.53 ng

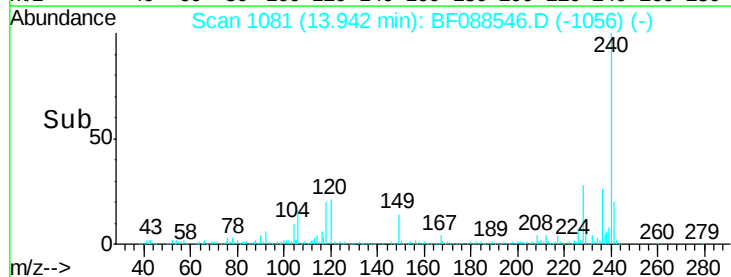
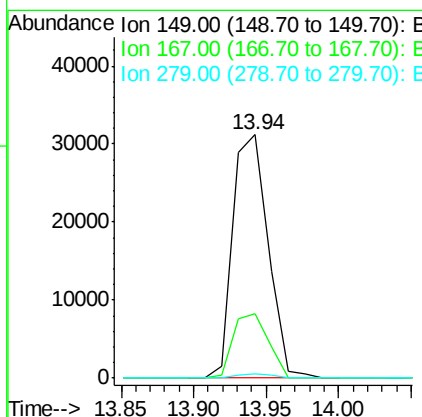
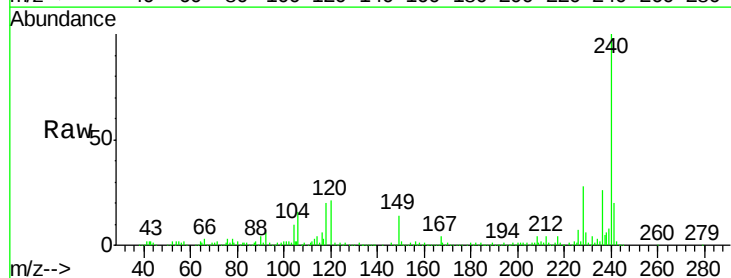
RT: 13.94 min Scan# 1081

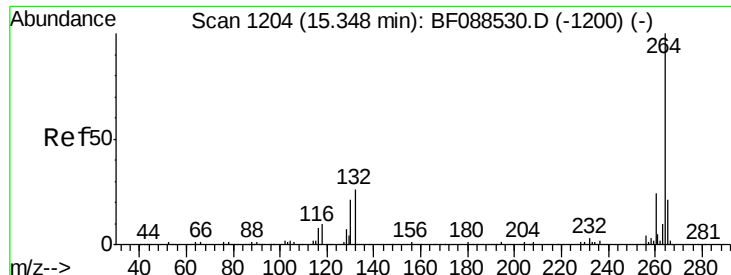
Delta R.T. -0.01 min

Lab File: BF088546.D

Acq: 30 Jun 2016 23:23

Tgt Ion:	149	Resp:	52734
Ion Ratio	Lower	Upper	
149	100		
167	26.4	20.5	30.7
279	1.9	2.0	3.0#





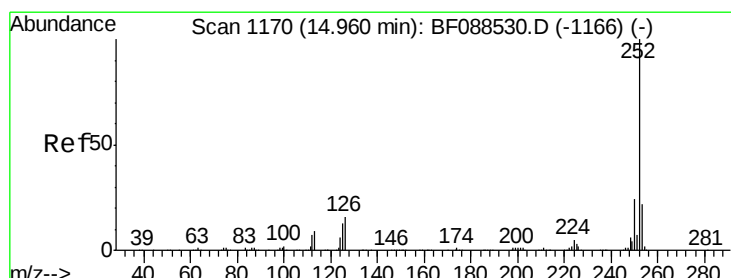
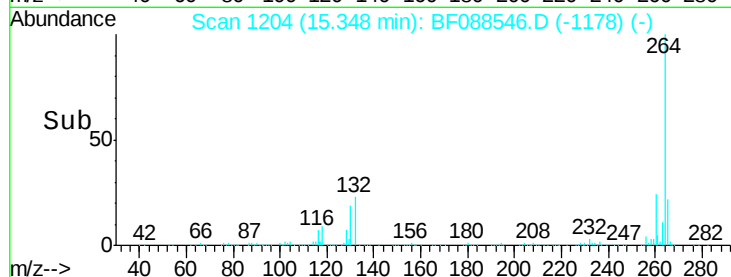
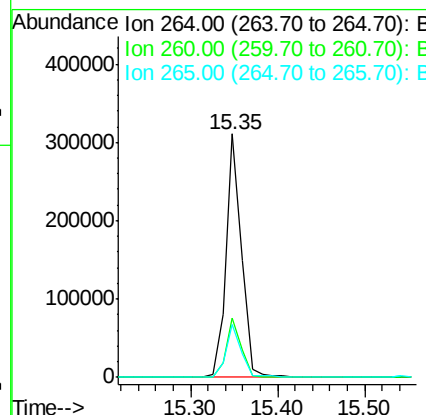
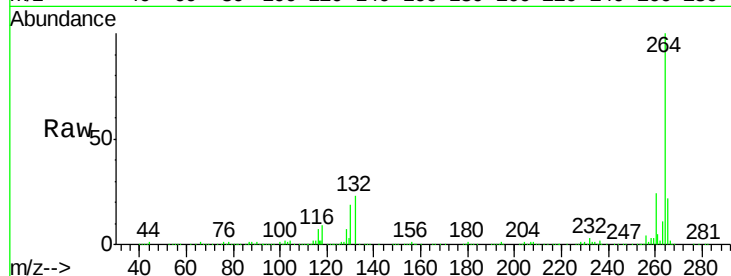
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	16.9	25.3

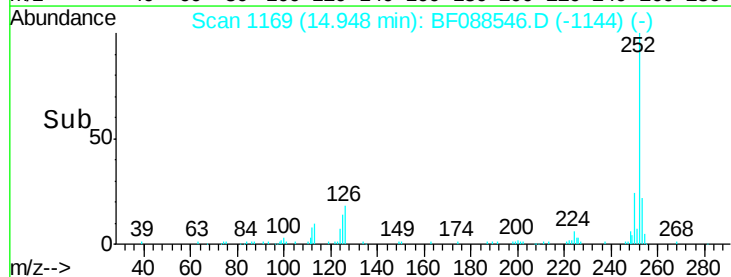
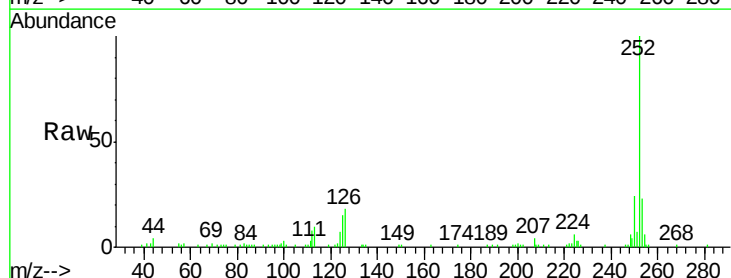
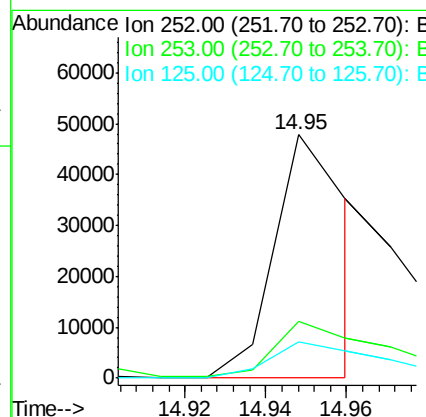
Manual Integrations

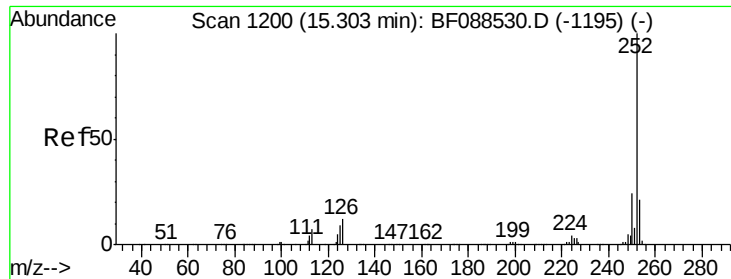
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#87
Benzo(b)fluoranthene
Concen: 2.53 ng m
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088546.D
Acq: 30 Jun 2016 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.9	7.1	10.7#





#89

Benzo(a)pyrene

Concen: 2.48 ng m

RT: 15.29 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF088546.D

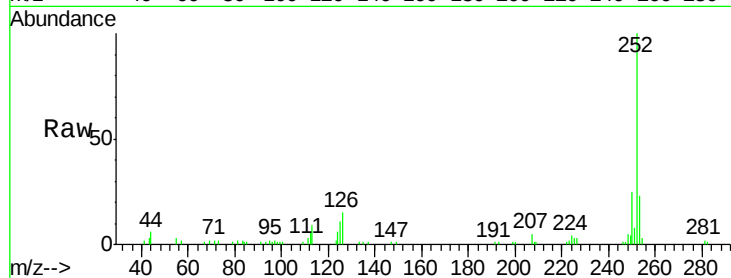
Acq: 30 Jun 2016 23:23

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)



Tgt Ion:	252	Resp:	51067
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.9	26.9
125	10.6	12.5	18.7#

Manual Integrations

APPROVED

SOHIL

7/1/2016 8:05:27 AM

