

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\
 Data File : BF088513.D
 Acq On : 30 Jun 2016 1:53
 Operator : UM/SJ
 Sample : H3629-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations

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 6/30/2016 7:45:50 PM

Quant Time: Jun 30 17:55:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 02:07:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171460	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	634027	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	272819	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	451457	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	329010	20.00	ng	-0.01
86) Perylene-d12	15.36	264	361749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1339601	120.99	ng	0.01
7) Phenol-d6	6.46	99	1594582	112.62	ng	0.00
23) Nitrobenzene-d5	7.38	82	961529	79.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	260950	124.75	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1538560	92.75	ng	0.00
78) Terphenyl-d14	12.91	244	815648	46.75	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.58	163	259507	11.73	ng	98
70) Phenanthrene	11.35	178	104041	2.81	ng	98
74) Fluoranthene	12.54	202	133174	6.24	ng	90
77) Pyrene	12.77	202	123115	4.34	ng	96
80) Benzo(a)anthracene	13.94	228	60562	2.73	ng	99
82) Chrysene	13.98	228	44254	2.15	ng	96
83) Bis(2-ethylhexyl)phthalate	13.95	149	33041	2.01	ng	# 97
87) Benzo(b)fluoranthene	14.96	252	54982m	2.63	ng	
89) Benzo(a)pyrene	15.29	252	47419	2.36	ng	98

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

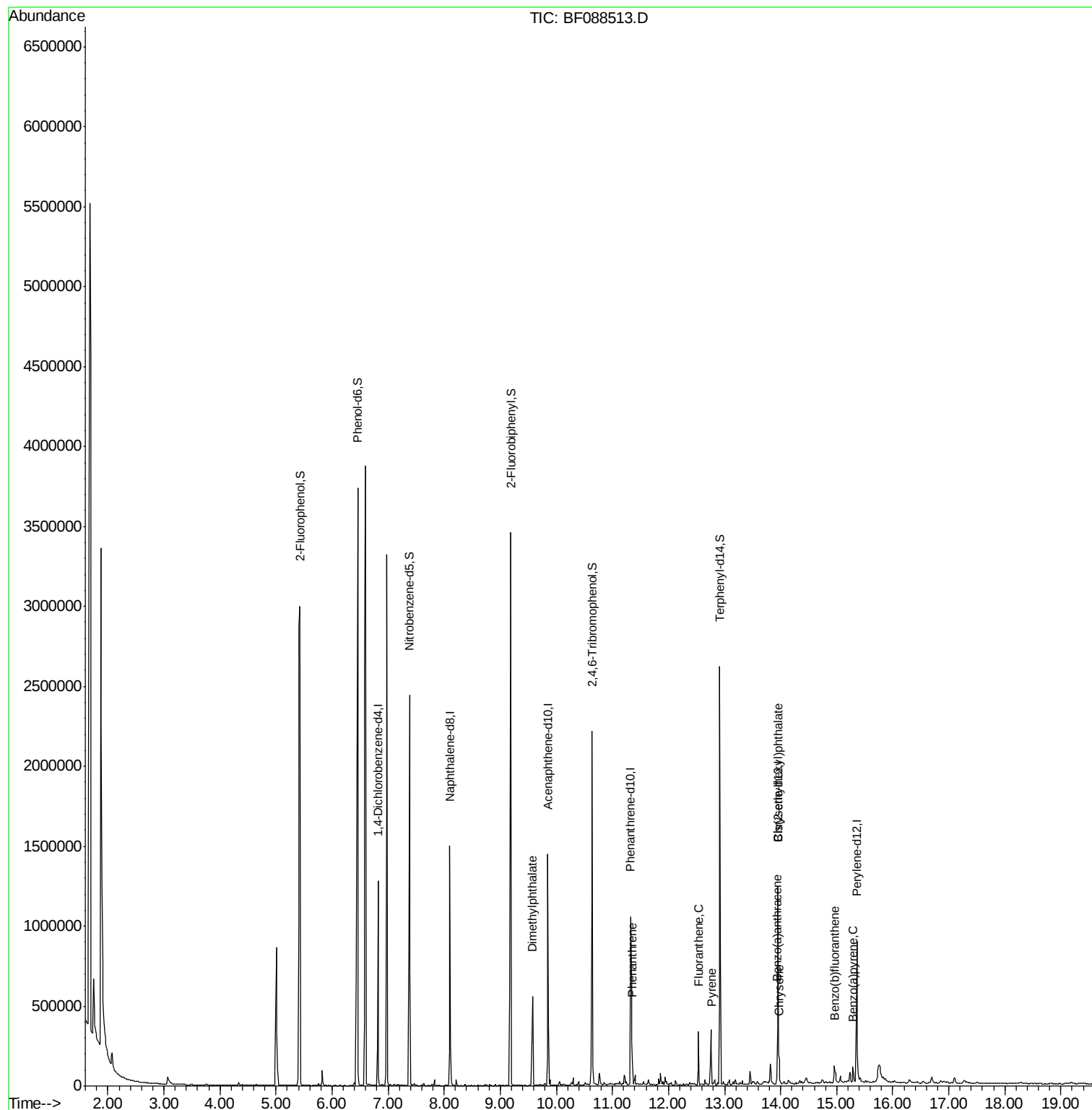
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\
Data File : BF088513.D
Acq On : 30 Jun 2016 1:53
Operator : UM/SJ
Sample : H3629-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

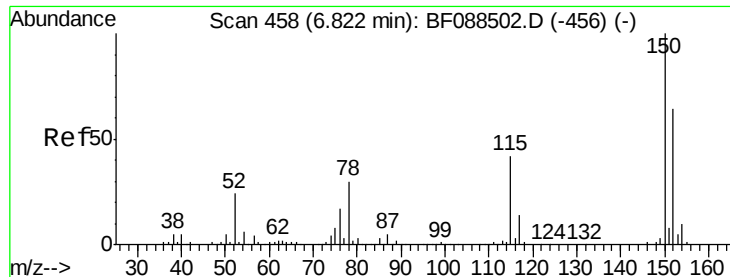
Instrument :
BNA_F
ClientSampleId :
LOCATION-5D(9-11)

Manual Integrations

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

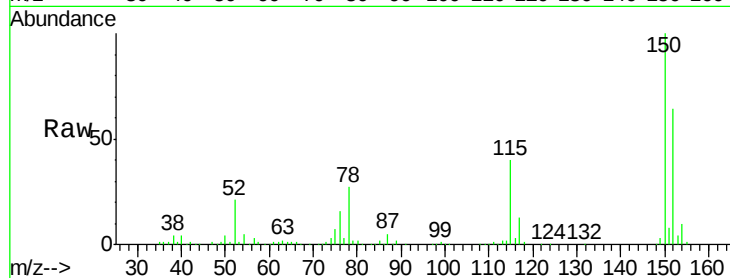
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. 0.00 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

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

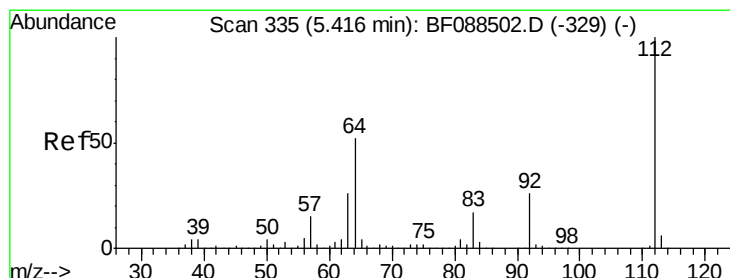
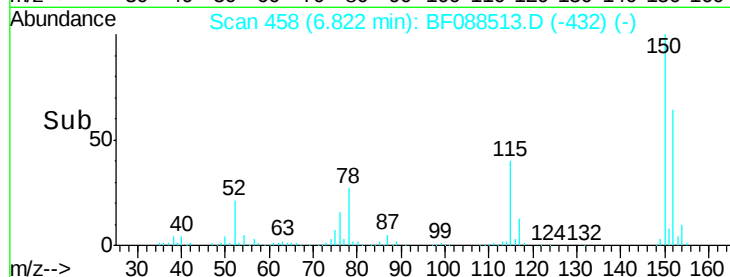
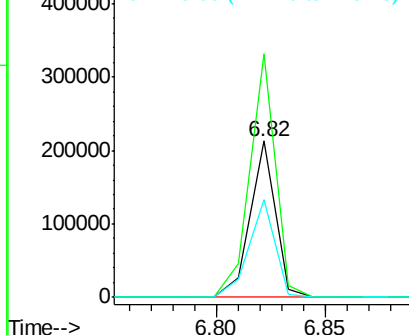
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.5	186.7
115	62.8	52.3	78.5

Manual Integrations

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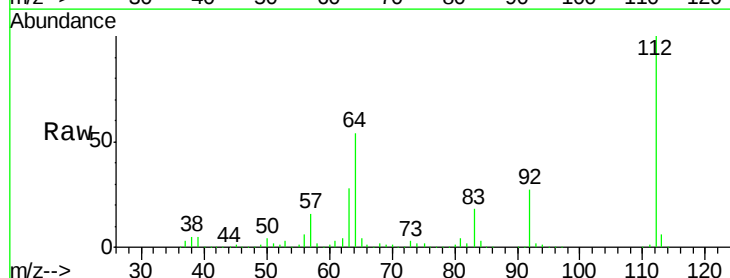
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



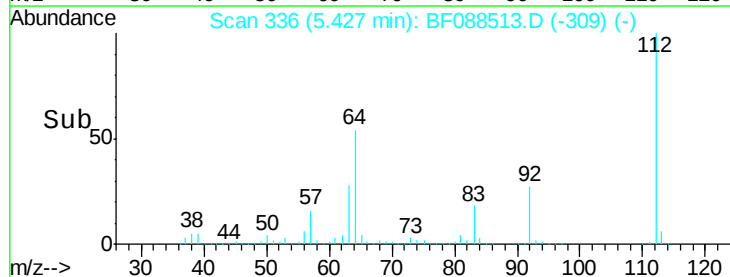
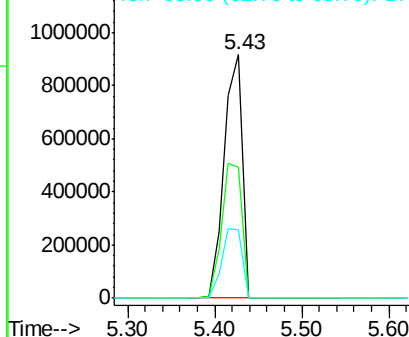
#5

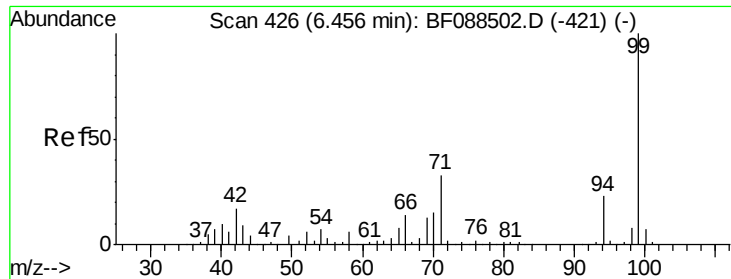
2-Fluorophenol
Concen: 120.99 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	41.5	62.3
63	28.0	20.6	31.0



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: 112.62 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tot Ion: 99 Resp: 1594582

Ion Ratio Lower Upper

99 100

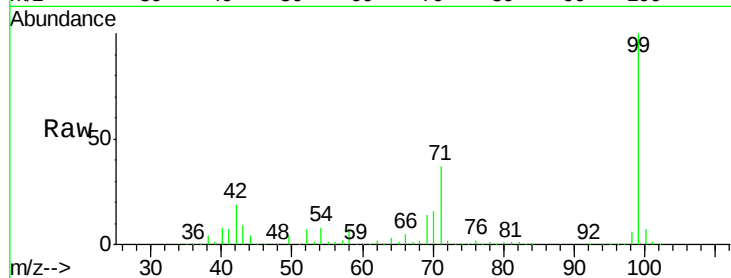
42 19.3 13.4 20.0

71 37.0 26.1 39.1

Manual Integrations

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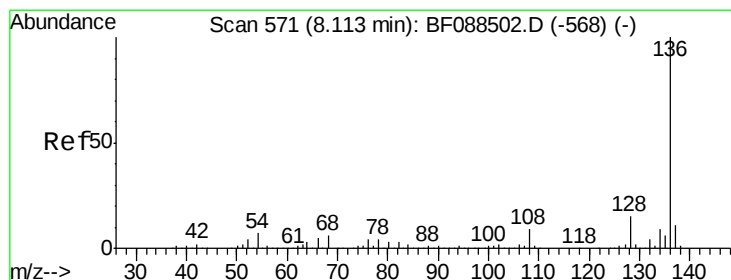
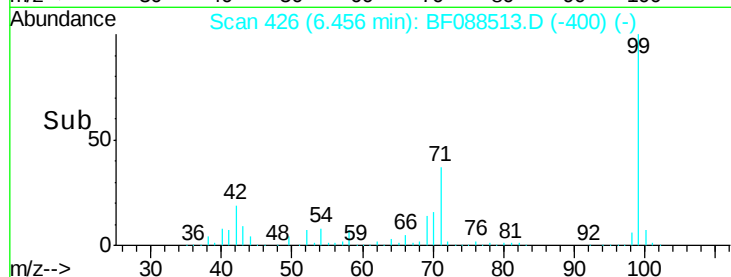
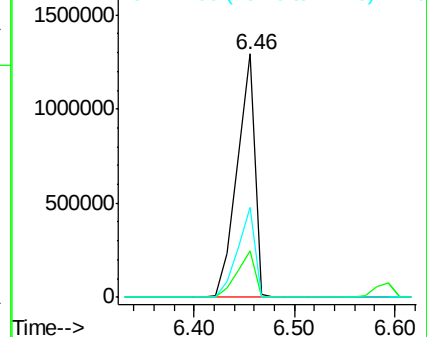
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Tgt Ion: 136 Resp: 634027

Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.9 5.4 8.2#

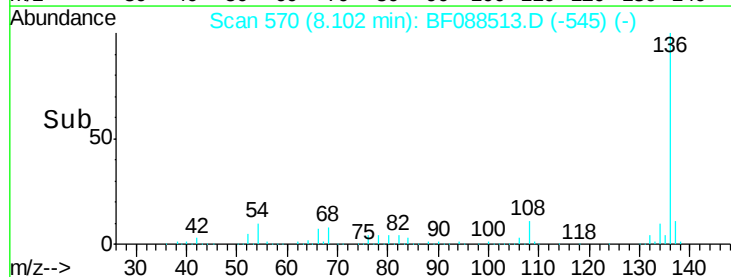
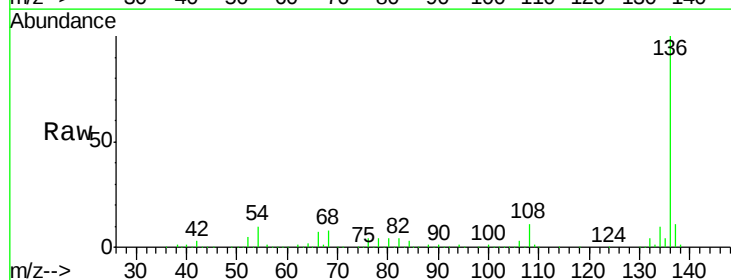
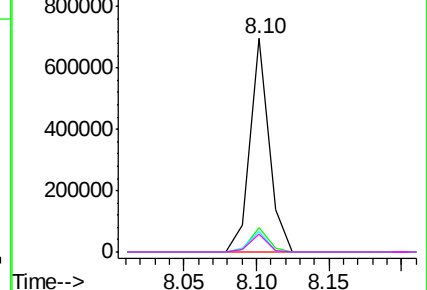
68 8.2 4.9 7.3#

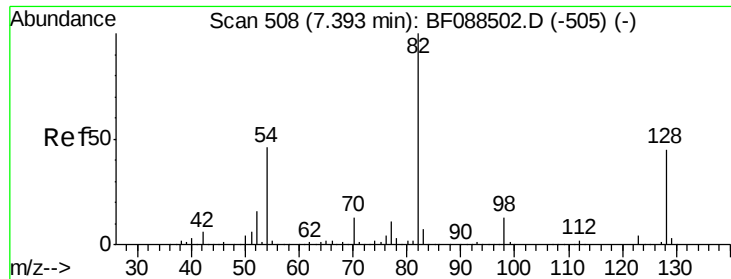
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 79.65 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tot Ion: 82 Resp: 961529

Ion Ratio Lower Upper

82 100

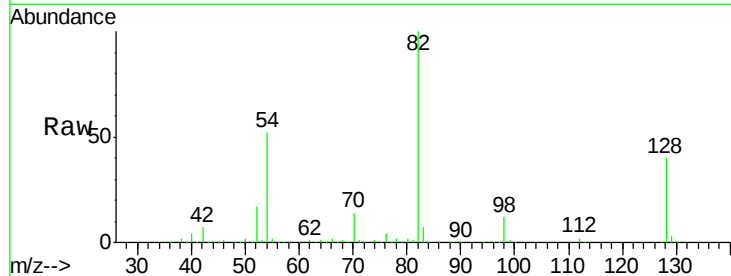
128 40.1 35.8 53.8

54 51.9 37.1 55.7

Manual Integrations

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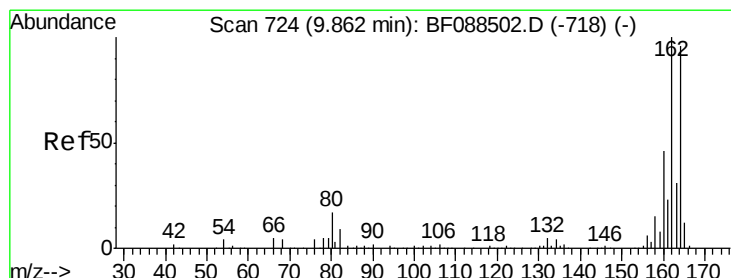
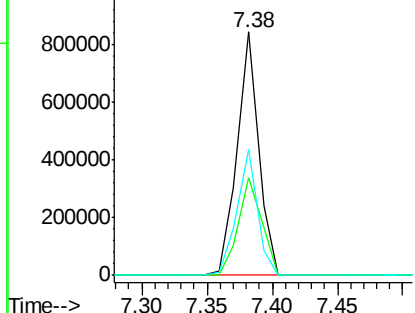
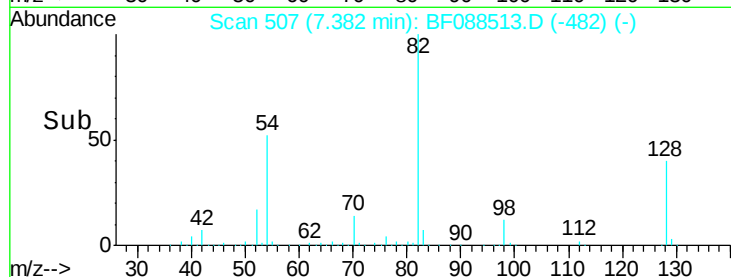
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Abundance Ion 82.00 (81.70 to 82.70): BF0

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. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

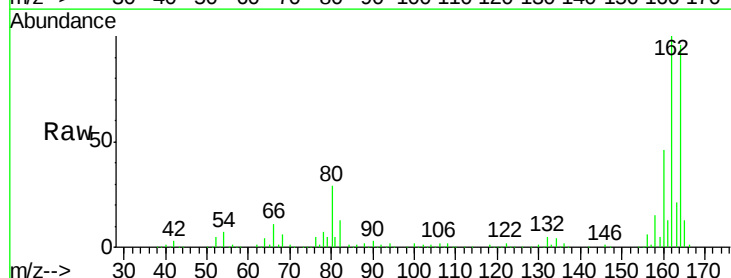
Tgt Ion:164 Resp: 272819

Ion Ratio Lower Upper

164 100

162 103.9 83.7 125.5

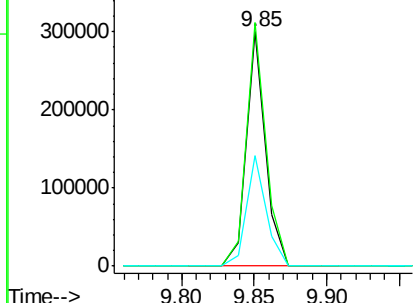
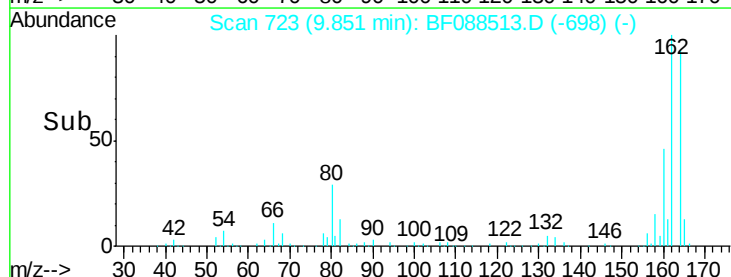
160 47.4 38.9 58.3

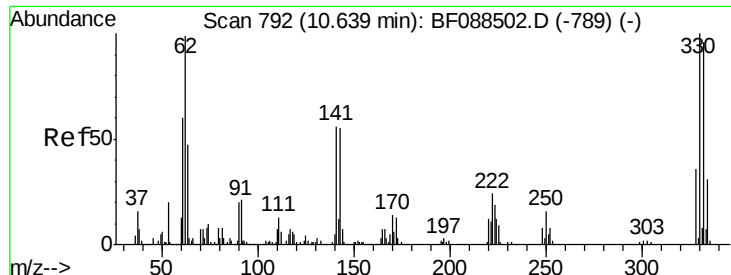


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





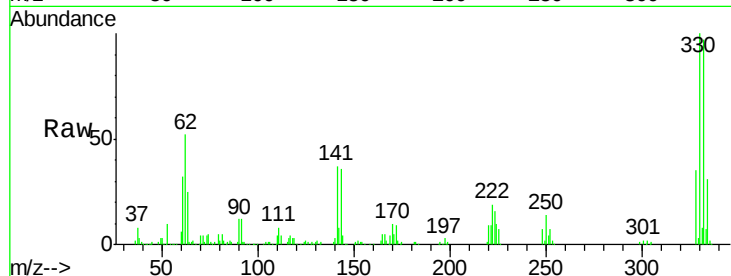
#41
 2,4,6-Tribromophenol
 Concen: 124.75 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

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

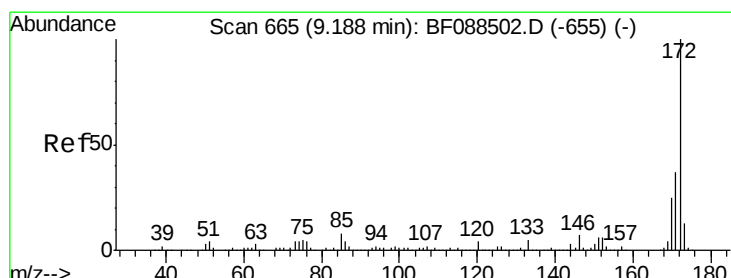
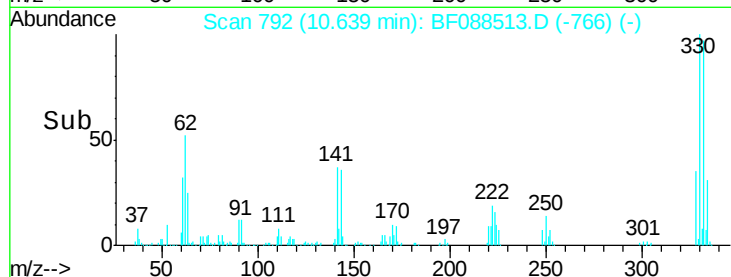
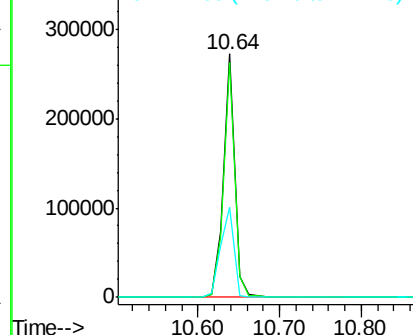
Tot Ion	Ratio	Resp	Lower	Upper
330	100	260950		
332	96.0	0.0	0.0	0.0
141	44.5	0.0	0.0	0.0

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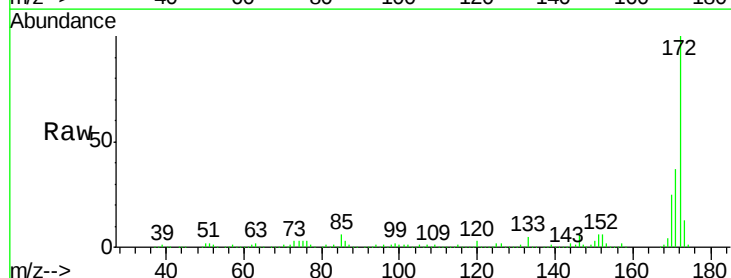


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

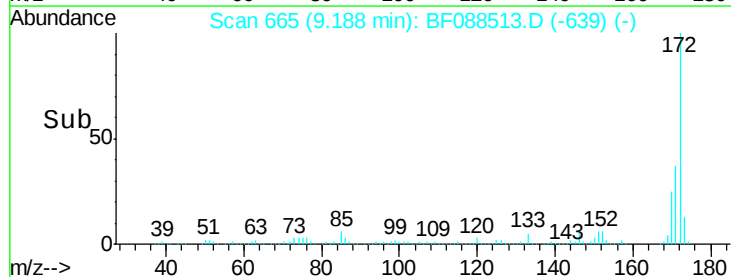
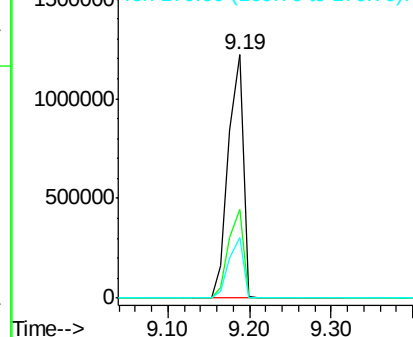


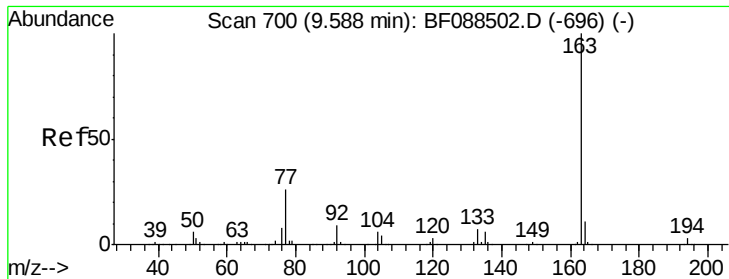
#44
 2-Fluorobiphenyl
 Concen: 92.75 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1538560		
171	36.7	29.3	43.9	
170	24.8	19.8	29.8	



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





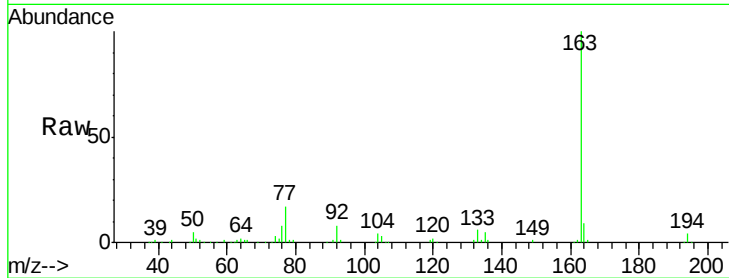
#49
Dimethylphthalate
Concen: 11.73 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

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

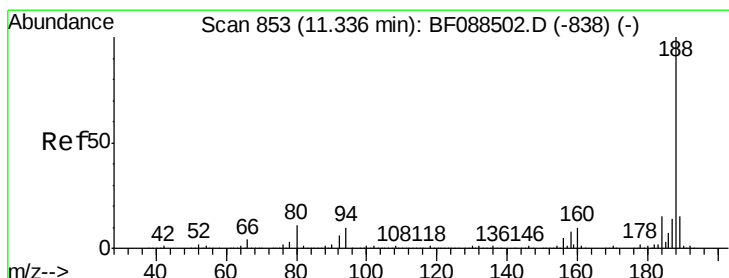
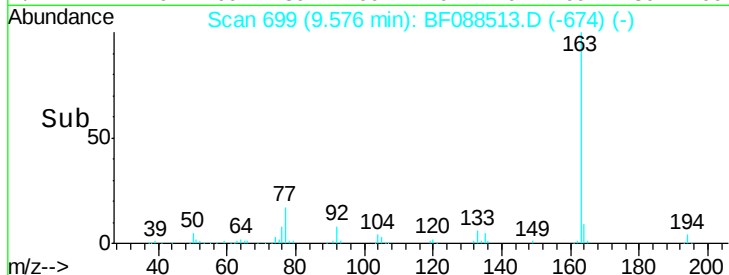
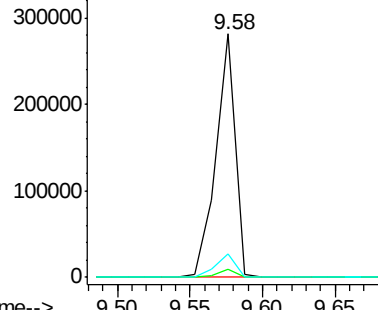
Tot Ion	Ratio	Resp	Lower	Upper
163	100	259507		
194	3.6		2.6	4.0
164	9.5		8.5	12.7

Manual Integrations

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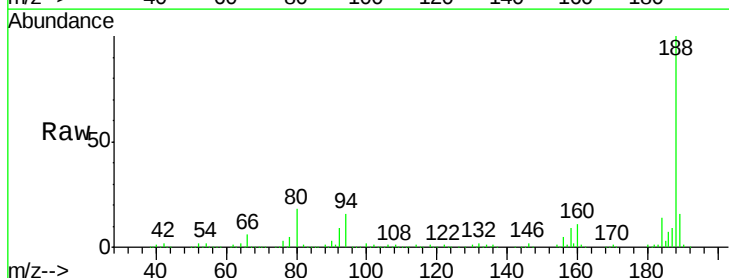


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

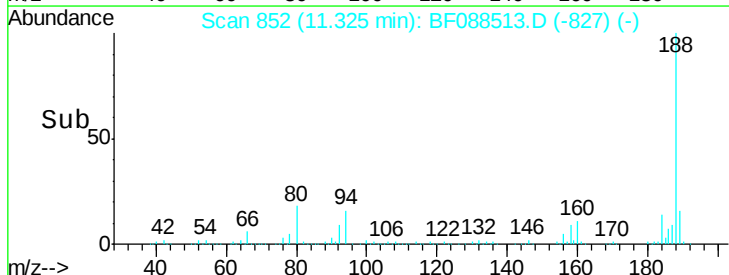
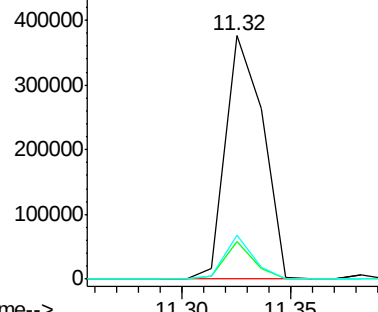


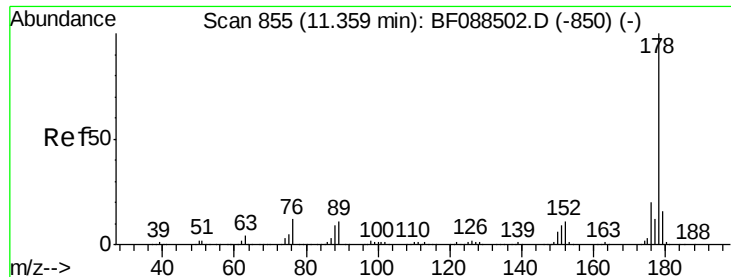
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	451457		
94	15.5		7.8	11.8#
80	17.8		8.7	13.1#



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: 2.81 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

LOCATION-5D(9-11)

Tot Ion:178 Resp: 104041

Ion Ratio Lower Upper

178 100

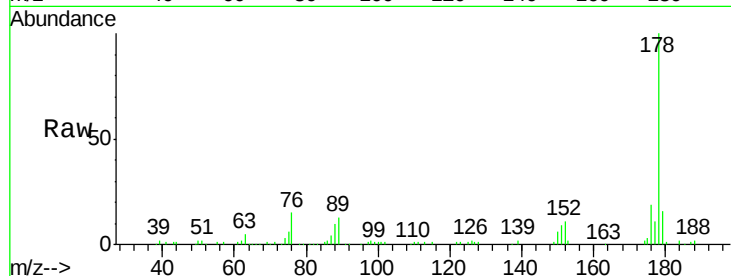
176 18.9 16.1 24.1

179 15.7 12.8 19.2

Manual Integrations

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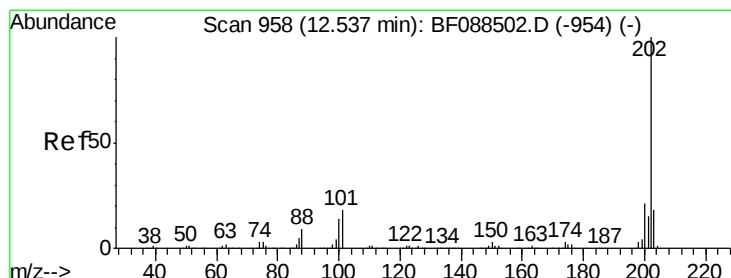
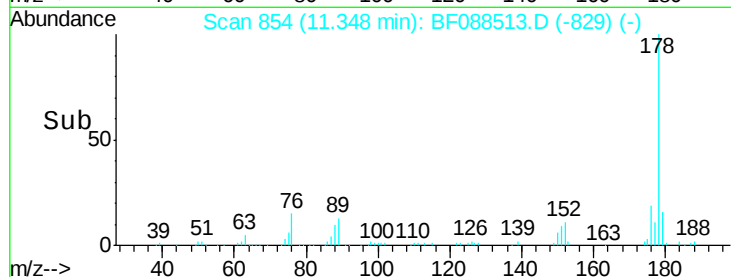
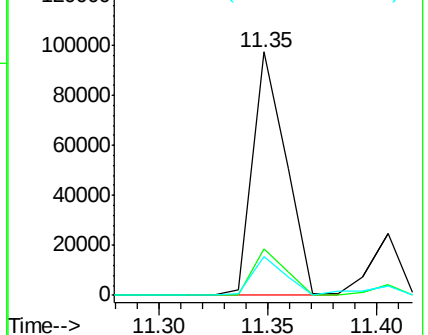
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.24 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

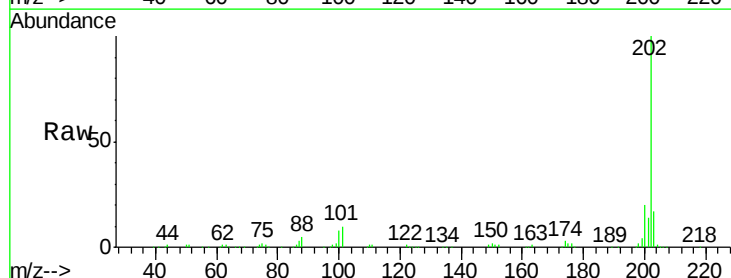
Tgt Ion:202 Resp: 133174

Ion Ratio Lower Upper

202 100

101 10.5 0.0 38.1

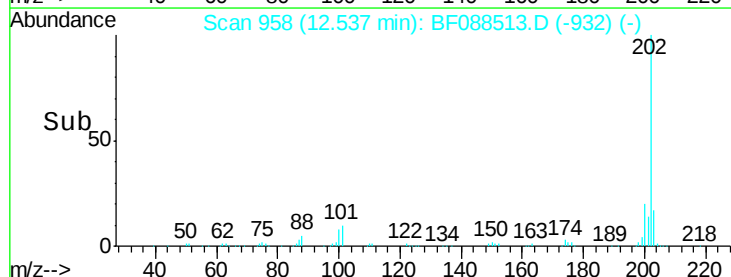
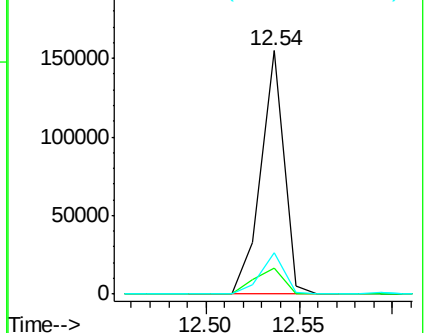
203 16.9 0.0 37.9

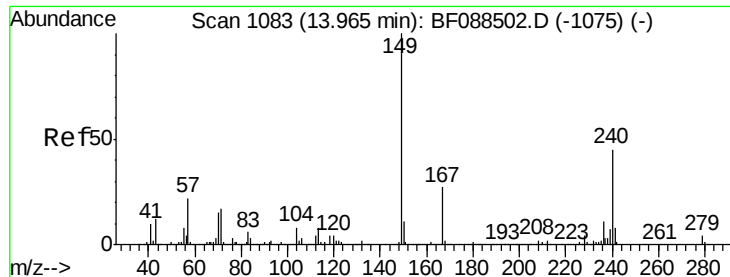


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

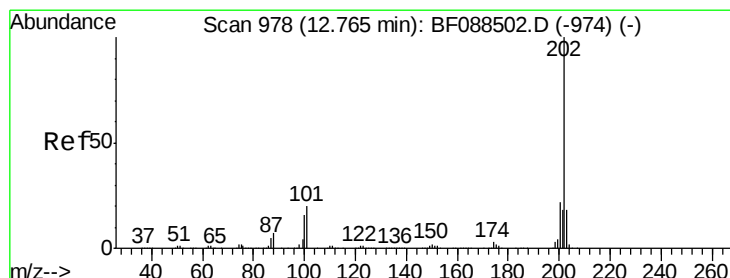
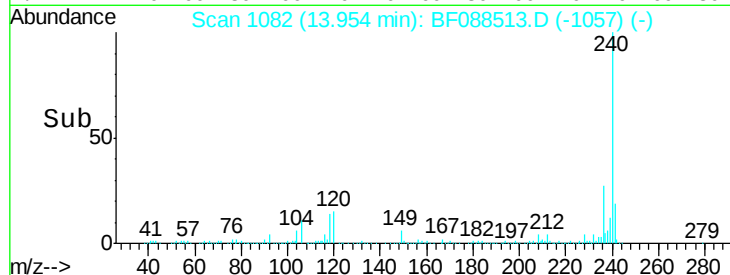
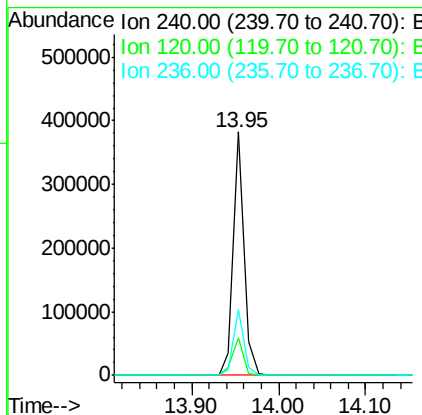
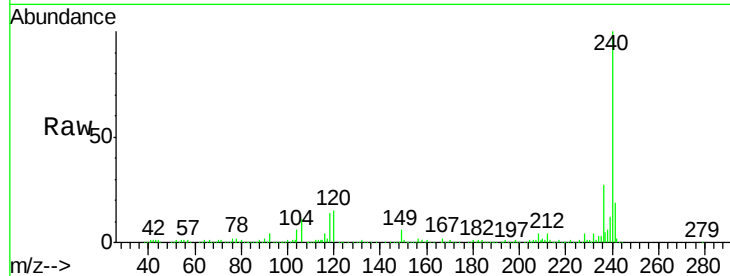
LOCATION-5D(9-11)

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	7.1	10.7#
236	27.0	20.3	30.5

Manual Integrations

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#77

Pyrene

Concen: 4.34 ng

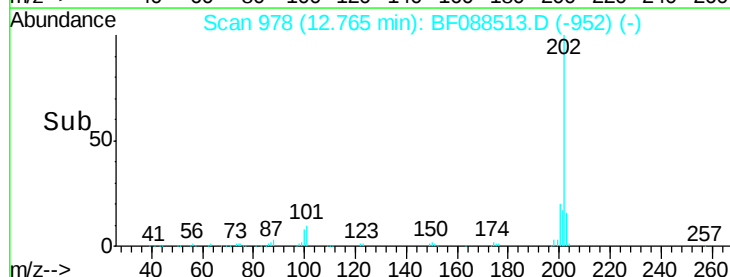
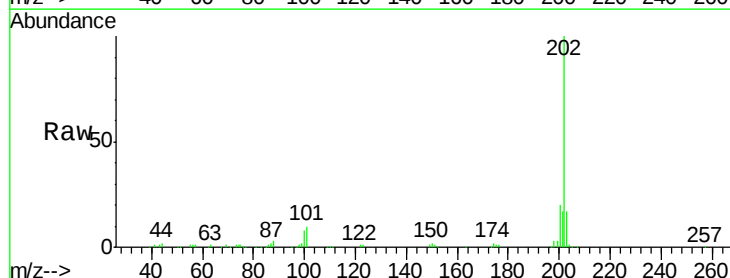
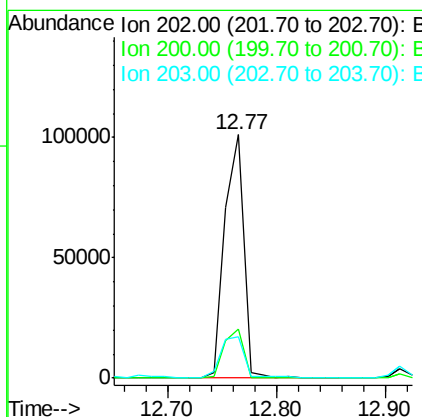
RT: 12.77 min Scan# 978

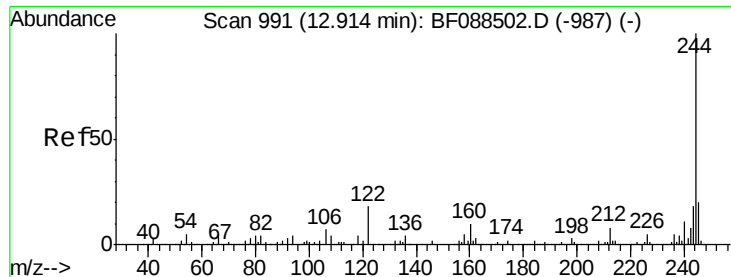
Delta R.T. -0.00 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.5	26.3
203	16.9	14.7	22.1





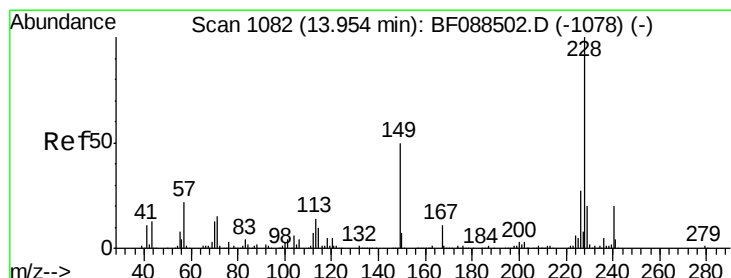
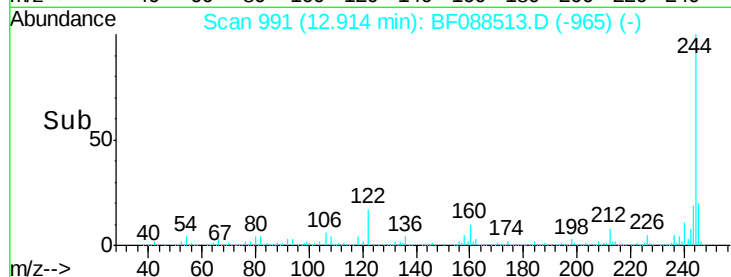
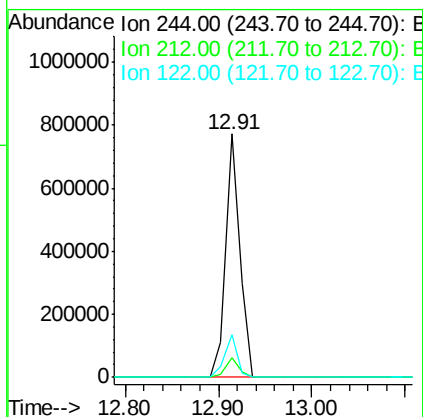
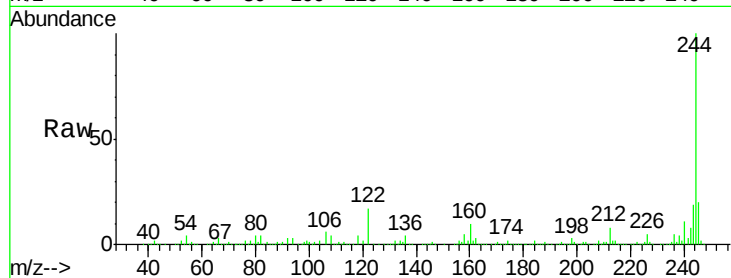
#78
 Terphenyl-d14
 Concen: 46.75 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	17.4	14.8	22.2

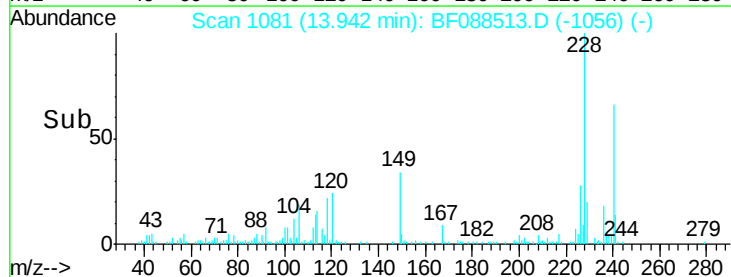
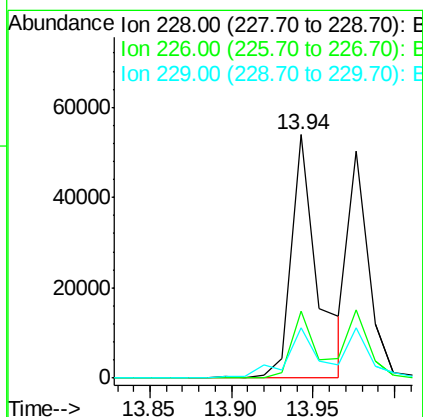
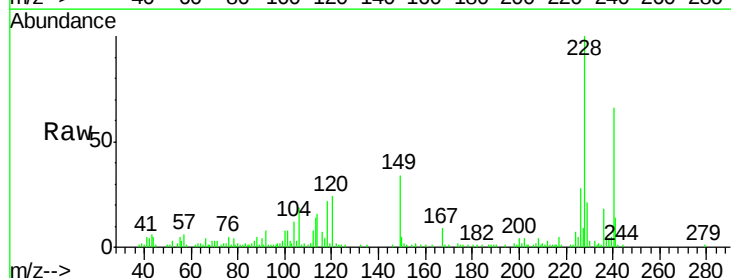
Manual Integrations

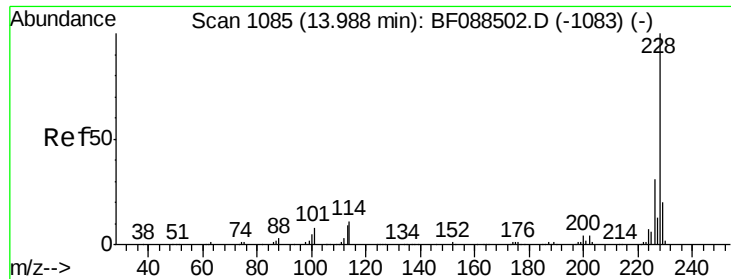
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#80
 Benzo(a)anthracene
 Concen: 2.73 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.0	33.0
229	20.7	15.8	23.6





#82

Chrysene

Concen: 2.15 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Instrument :

BNA_F

ClientSampleId :

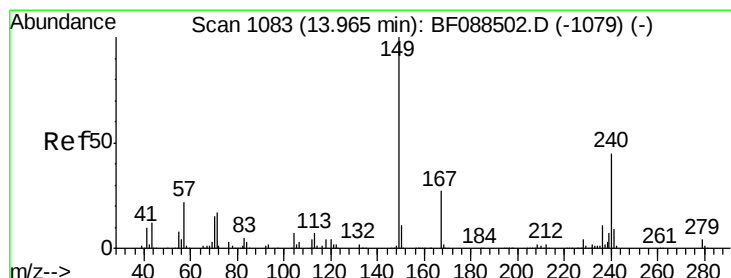
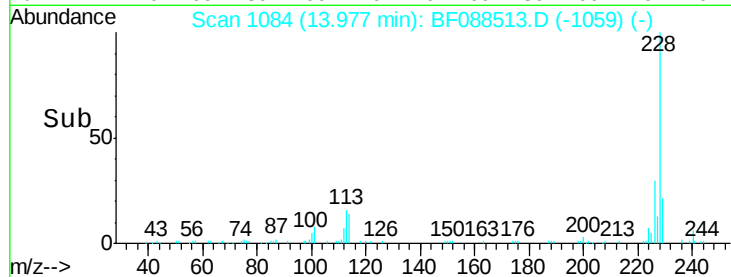
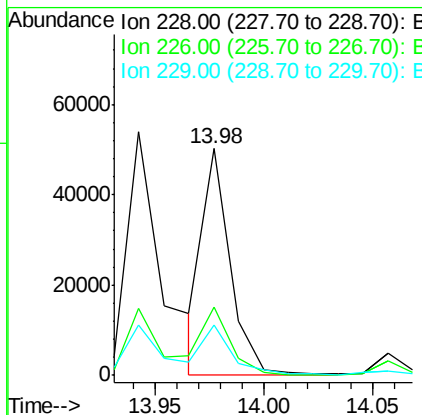
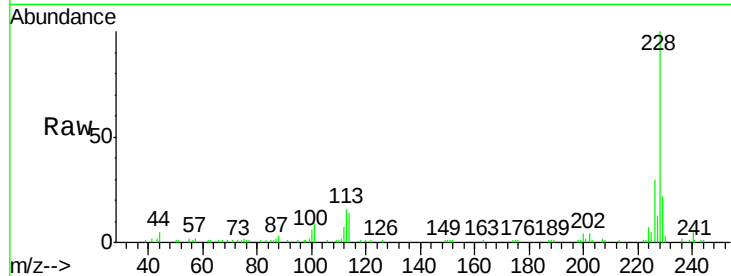
LOCATION-5D(9-11)

Tot Ion:	228	Resp:	44254
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.1	37.7
229	22.4	16.0	24.0

Manual Integrations

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.01 ng

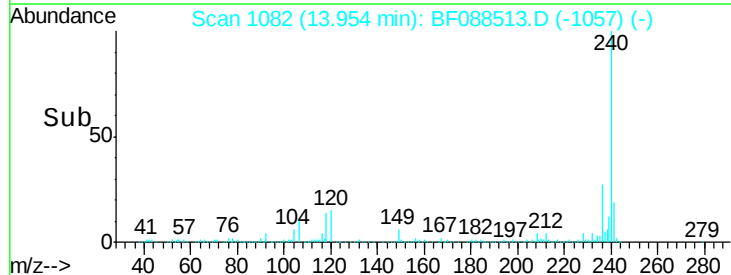
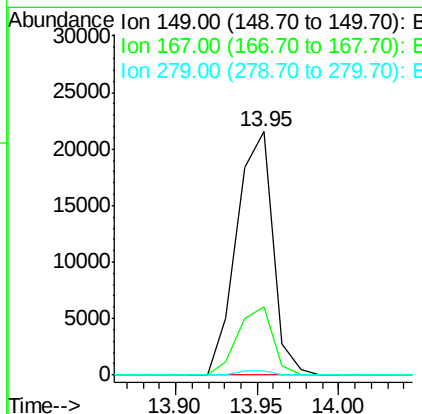
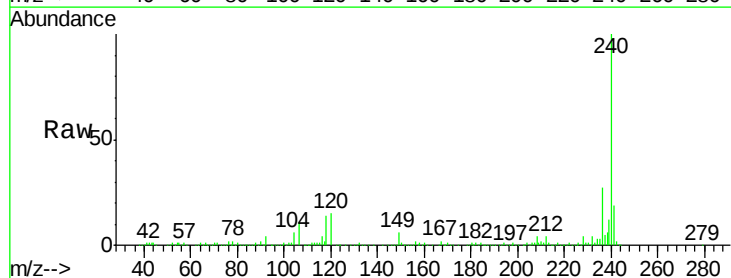
RT: 13.95 min Scan# 1082

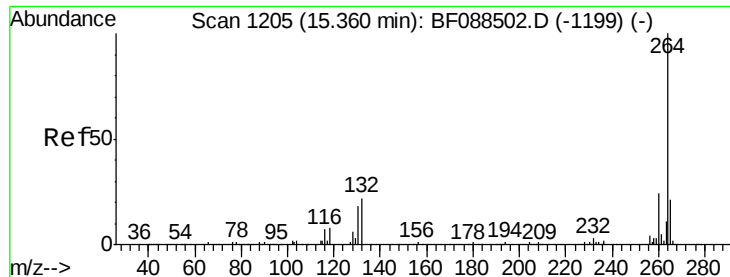
Delta R.T. -0.01 min

Lab File: BF088513.D

Acq: 30 Jun 2016 1:53

Tgt Ion:	149	Resp:	33041
Ion Ratio	Lower	Upper	
149	100		
167	28.1	21.3	31.9
279	1.9	3.0	4.4#





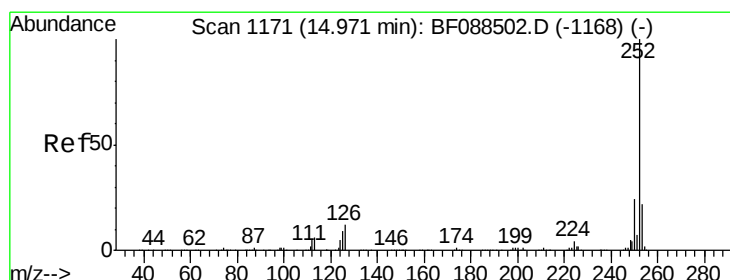
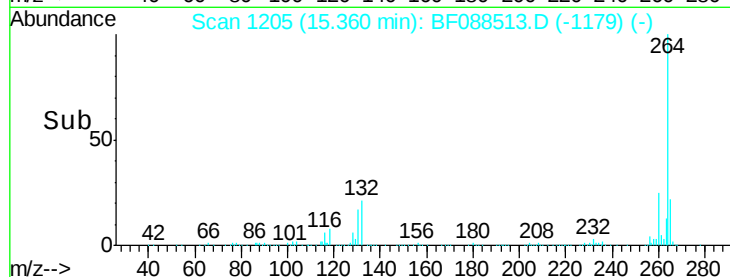
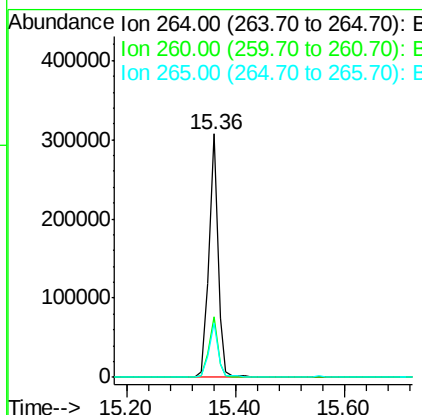
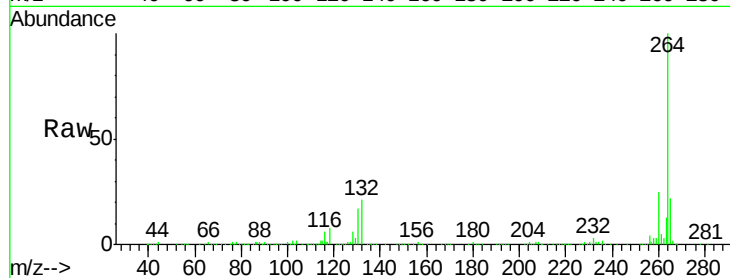
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	22.1	17.1	25.7

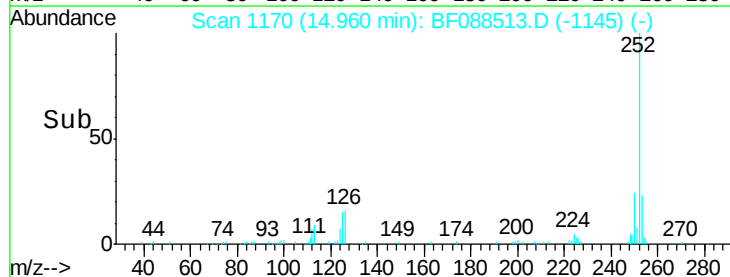
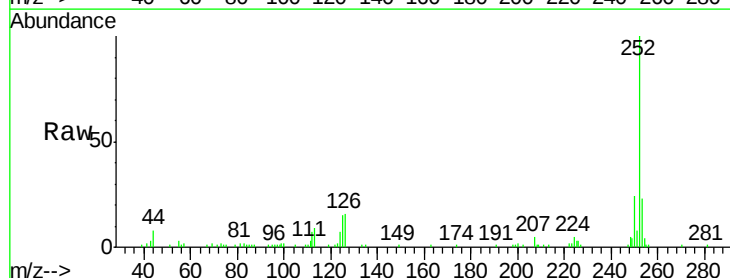
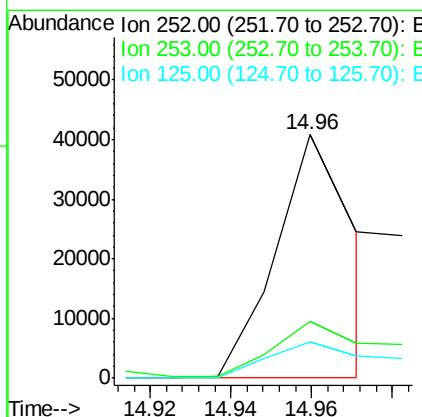
Manual Integrations

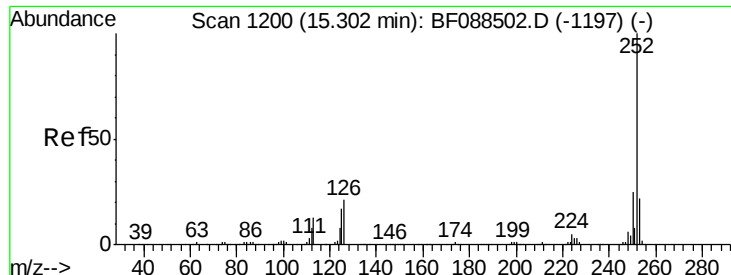
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#87
Benzo(b)fluoranthene
Concen: 2.63 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF088513.D
Acq: 30 Jun 2016 1:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	14.6	7.4	11.2#





#89
 Benzo(a)pyrene
 Concen: 2.36 ng
 RT: 15.29 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF088513.D
 Acq: 30 Jun 2016 1:53

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	17.8	13.4	20.0

Manual Integrations

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