

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
 Data File : BF088724.D
 Acq On : 6 Jul 2016 1:34
 Operator : UM/SJ
 Sample : H3881-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Manual Integrations

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Quant Time: Jul 06 12:45:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 06 01:47:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	111080	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	405657	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	176573	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	289240	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	198762	20.00	ng	-0.01
86) Perylene-d12	15.30	264	201466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	477251	64.39	ng	-0.01
7) Phenol-d6	6.41	99	689678	72.01	ng	0.00
23) Nitrobenzene-d5	7.34	82	399435	51.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	135062	82.37	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	782196	69.97	ng	0.00
78) Terphenyl-d14	12.87	244	514496	57.65	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.53	163	153180	12.18	ng	98
70) Phenanthrene	11.30	178	45587	2.88	ng	99
74) Fluoranthene	12.49	202	94347	5.89	ng	95
77) Pyrene	12.71	202	90291	5.36	ng	96
80) Benzo(a)anthracene	13.90	228	45964	3.59	ng	96
82) Chrysene	13.93	228	56686	4.48	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	30074	3.09	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	92024m	7.28	ng	
89) Benzo(a)pyrene	15.23	252	46015	4.30	ng	95
91) Benzo(g,h,i)perylene	17.02	276	29007	3.14	ng	98

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

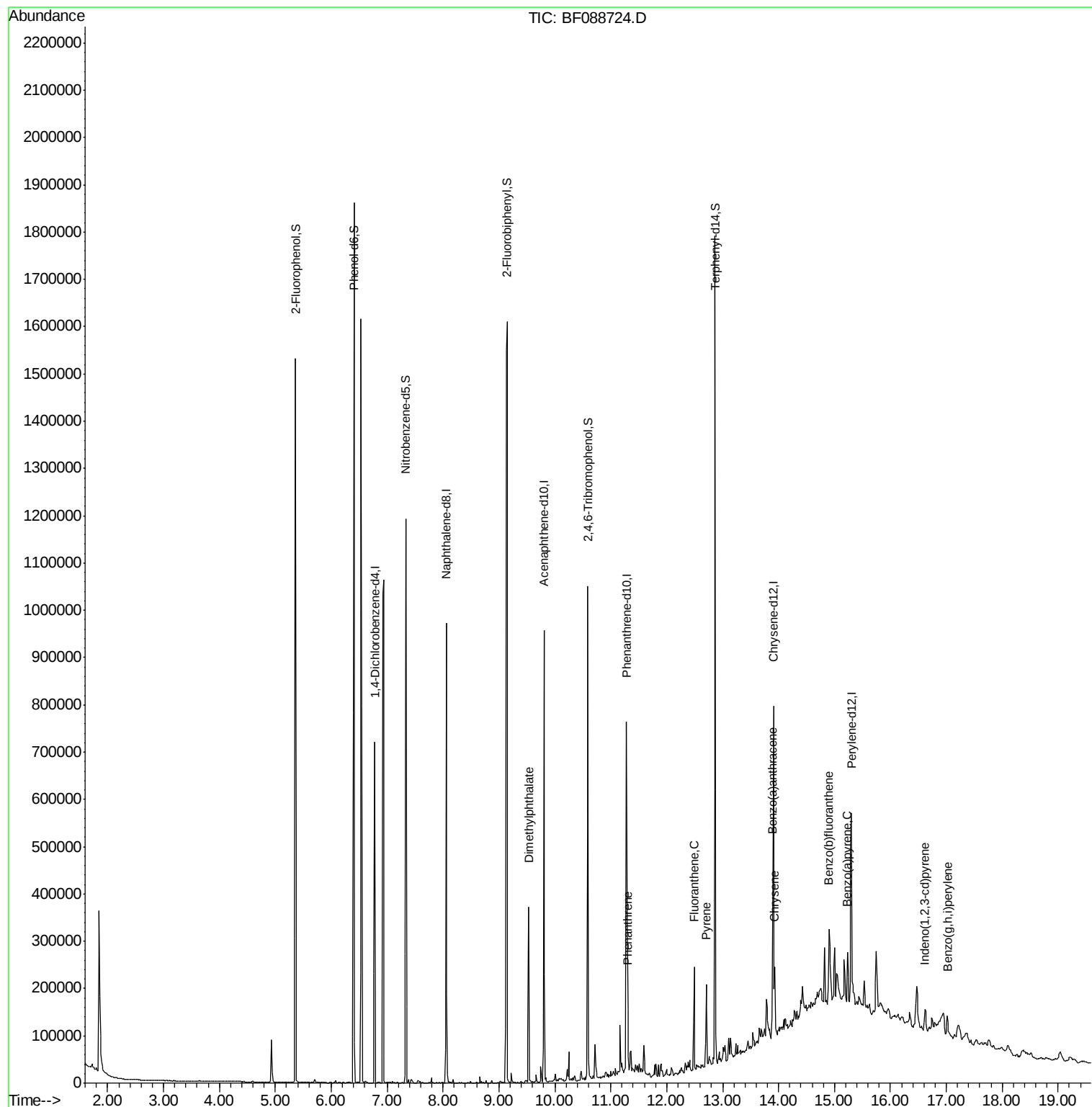
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
Data File : BF088724.D
Acq On : 6 Jul 2016 1:34
Operator : UM/SJ
Sample : H3881-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

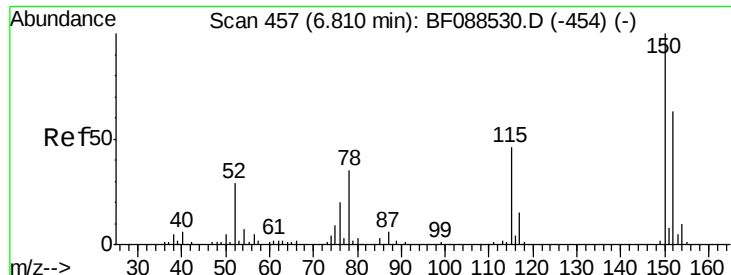
Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

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: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

Tot Ion:152 Resp: 111080

Ion Ratio Lower Upper

152 100

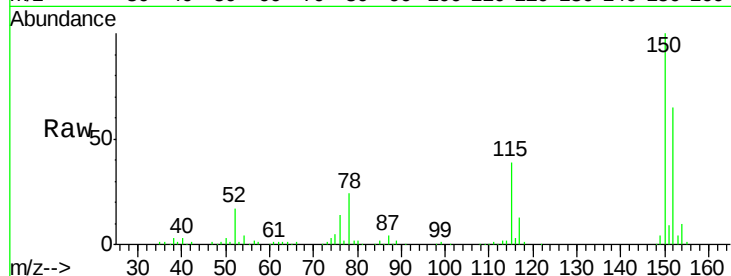
150 154.3 123.8 185.6

115 60.8 39.6 59.4#

Manual Integrations

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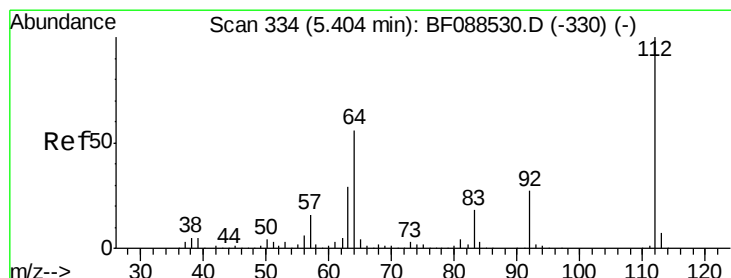
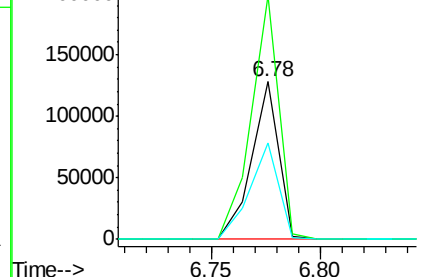
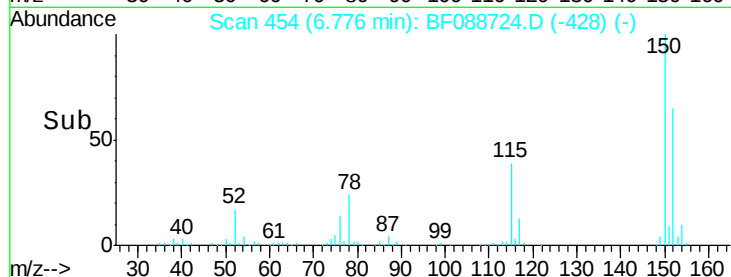
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 64.39 ng

RT: 5.36 min Scan# 330

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

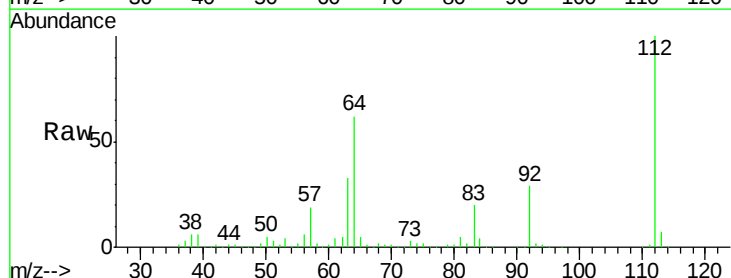
Tgt Ion:112 Resp: 477251

Ion Ratio Lower Upper

112 100

64 61.6 42.2 63.2

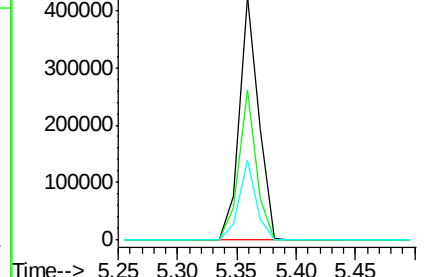
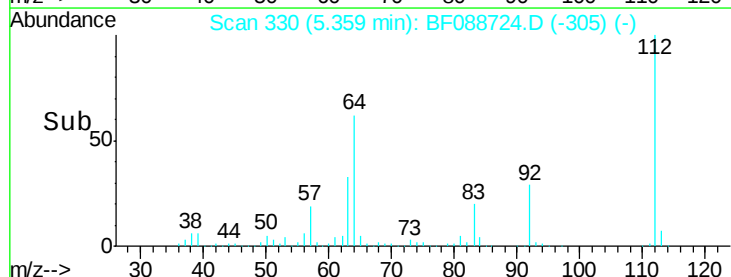
63 32.7 21.8 32.8



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: 72.01 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

Tot Ion: 99 Resp: 689678

Ion Ratio Lower Upper

99 100

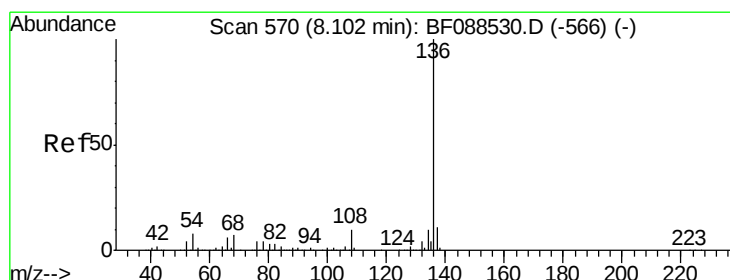
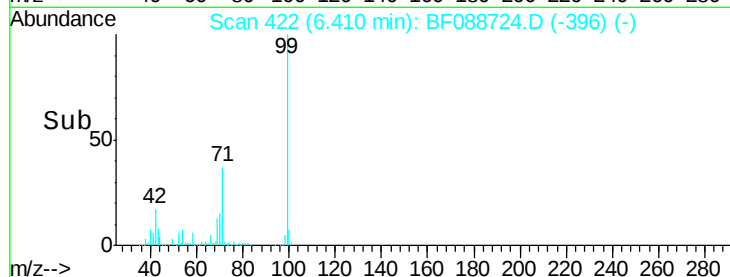
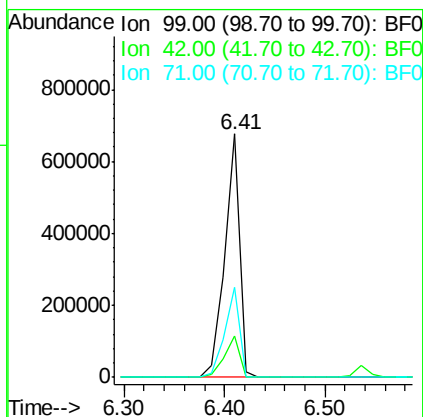
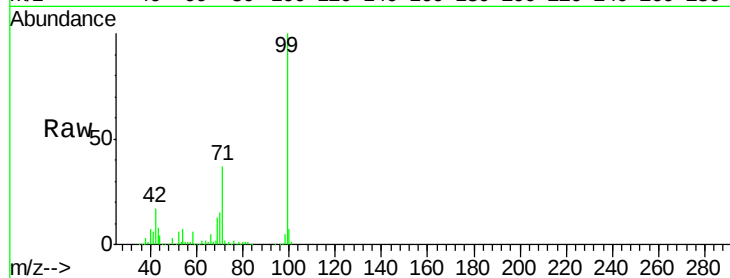
42 17.2 12.2 18.2

71 37.0 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Tgt Ion: 136 Resp: 405657

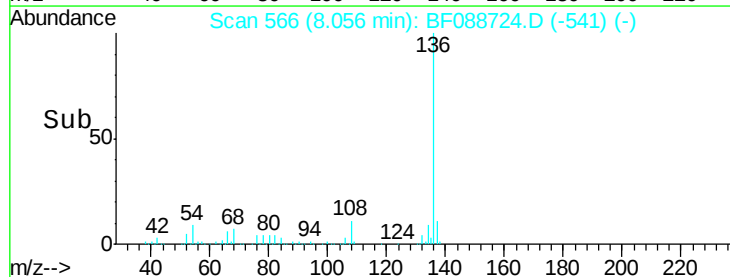
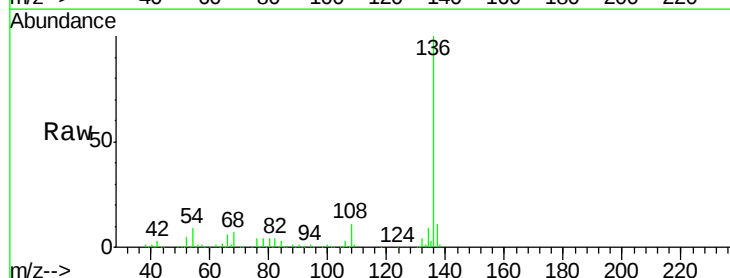
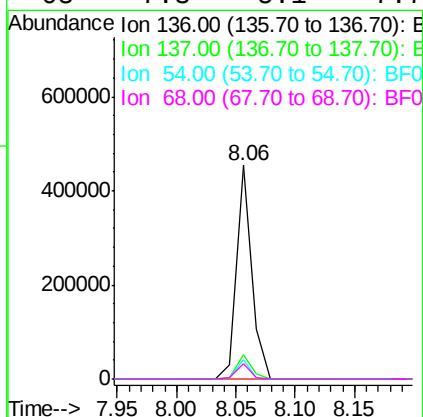
Ion Ratio Lower Upper

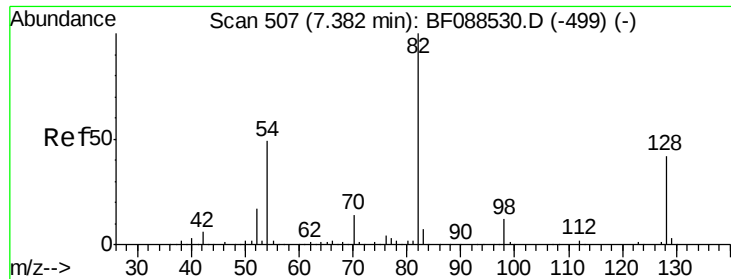
136 100

137 11.3 9.1 13.7

54 8.8 6.6 10.0

68 7.3 5.1 7.7





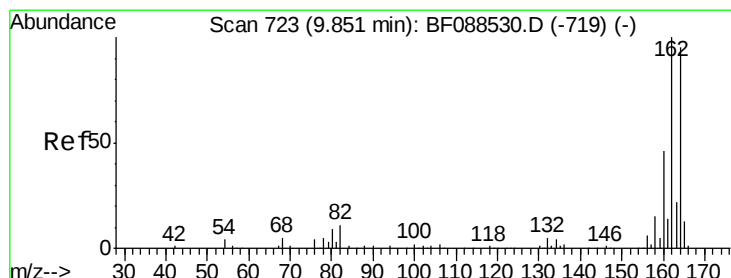
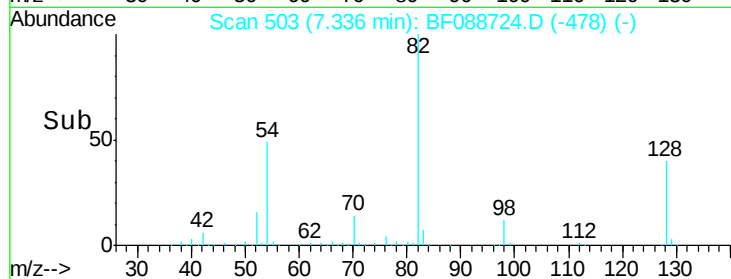
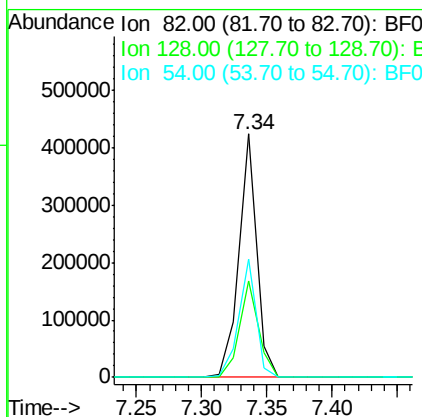
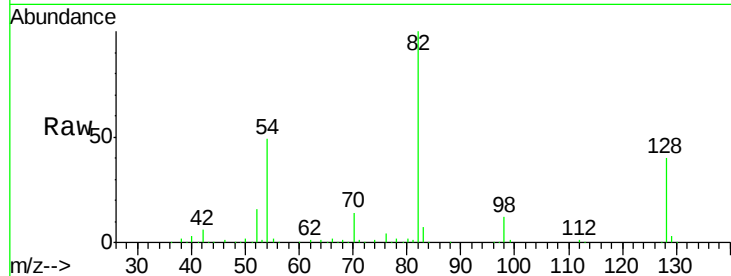
#23
 Nitrobenzene-d5
 Concen: 51.60 ng
 RT: 7.34 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Tot Ion	82	Resp	399435
Ion Ratio	100	Lower	Upper
82	100		
128	39.6	35.9	53.9
54	48.8	40.9	61.3

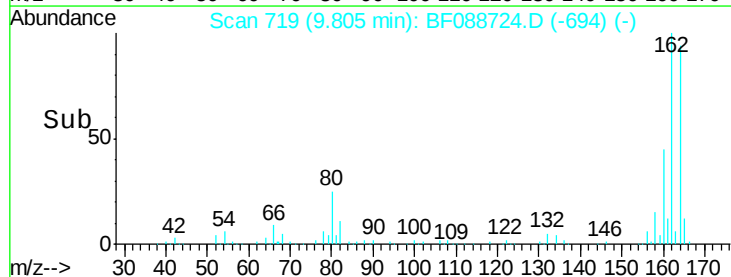
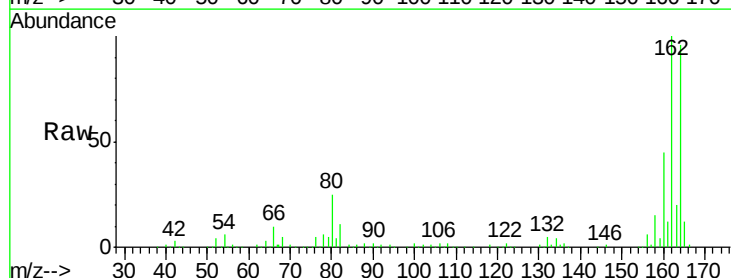
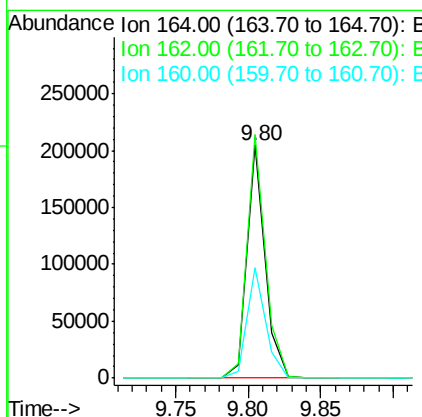
Manual Integrations

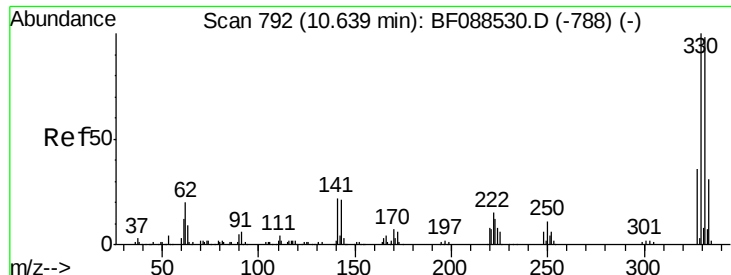
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Tgt Ion	164	Resp	176573
Ion Ratio	100	Lower	Upper
164	100		
162	104.5	85.4	128.2
160	47.2	39.5	59.3





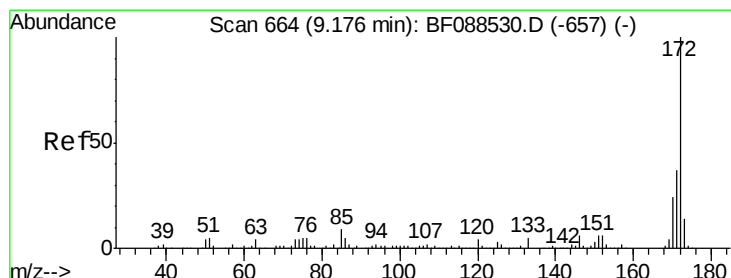
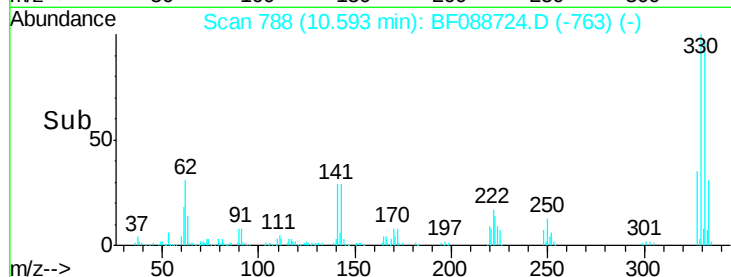
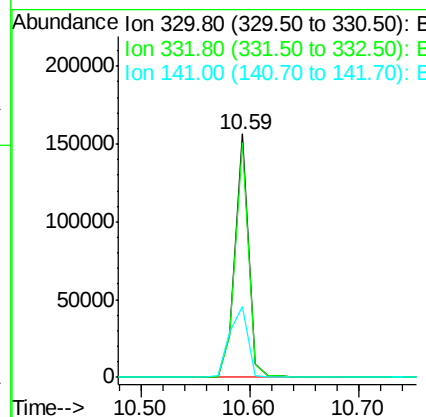
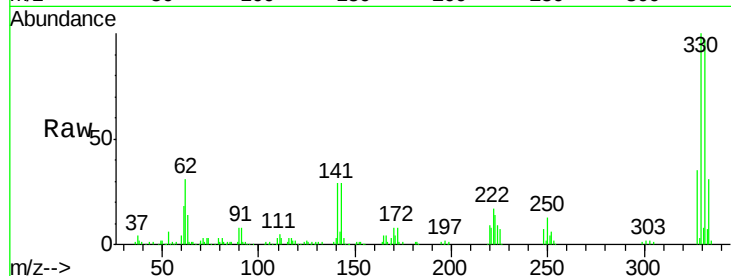
#41
 2,4,6-Tribromophenol
 Concen: 82.37 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	0.0	0.0	
141	39.5	0.0	0.0	

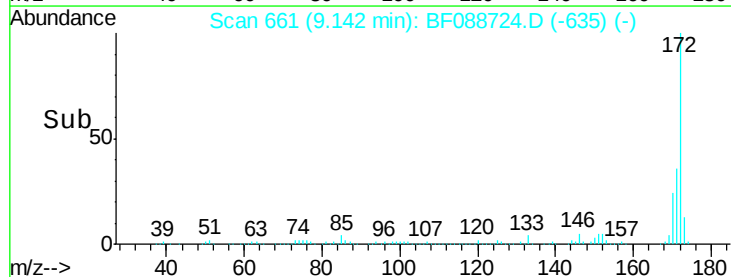
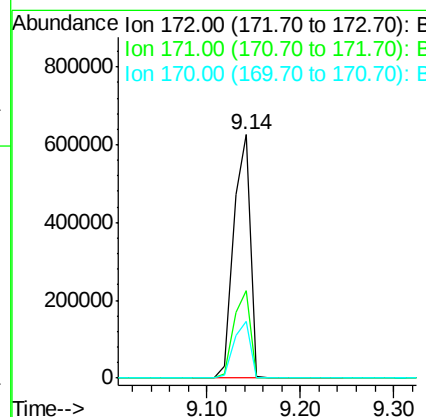
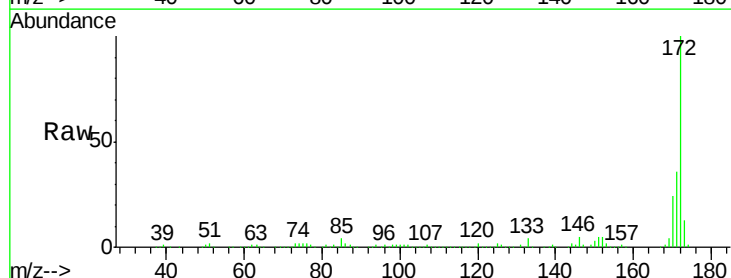
Manual Integrations

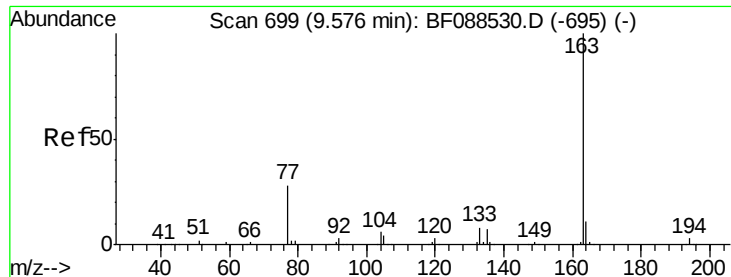
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#44
 2-Fluorobiphenyl
 Concen: 69.97 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	28.6	43.0	
170	23.6	19.2	28.8	





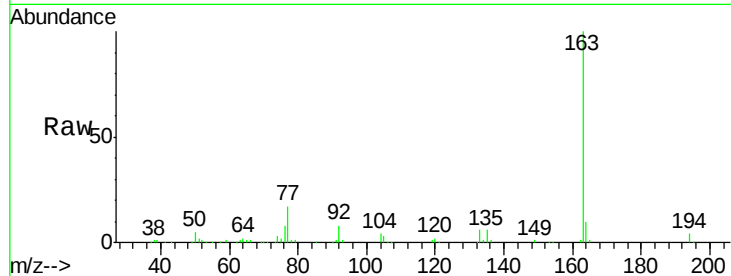
#49
Dimethylphthalate
Concen: 12.18 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

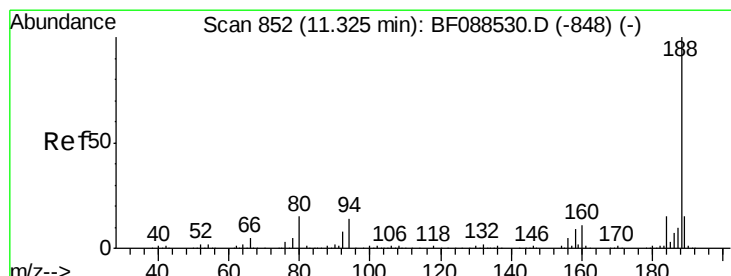
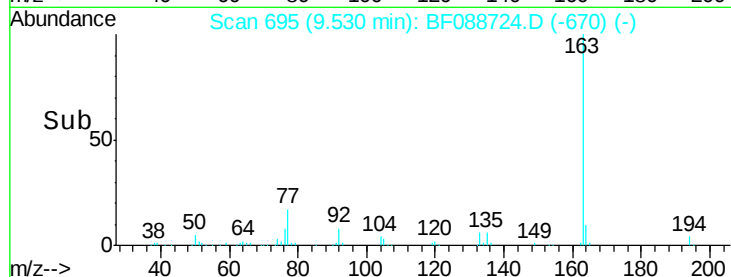
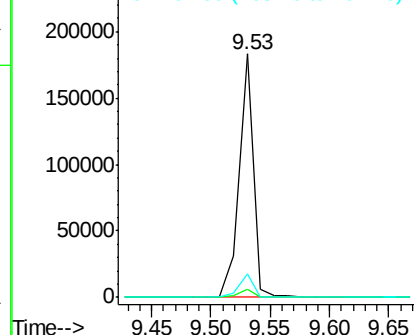
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.5	8.3	12.5

Manual Integrations

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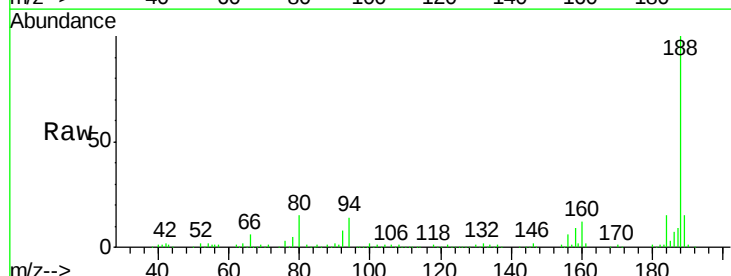


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

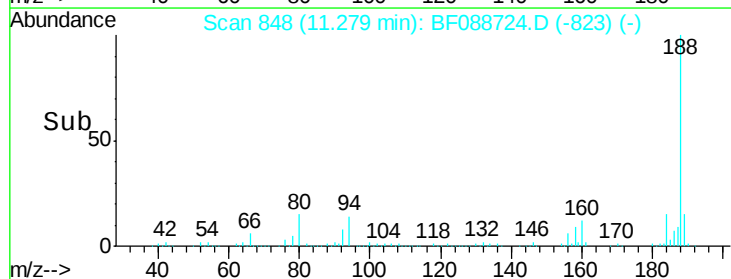
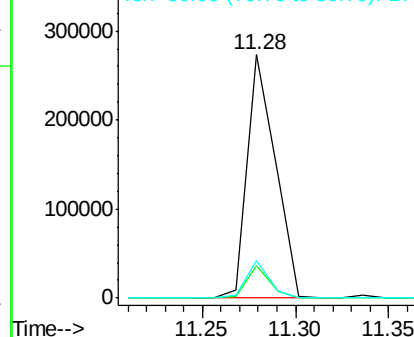


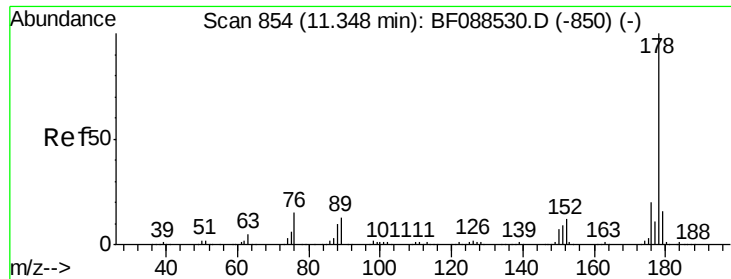
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.6	9.0	13.6#
80	15.4	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





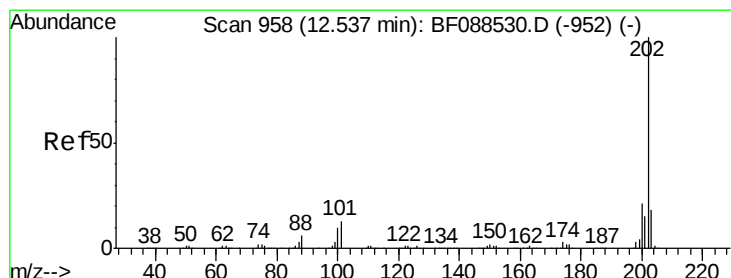
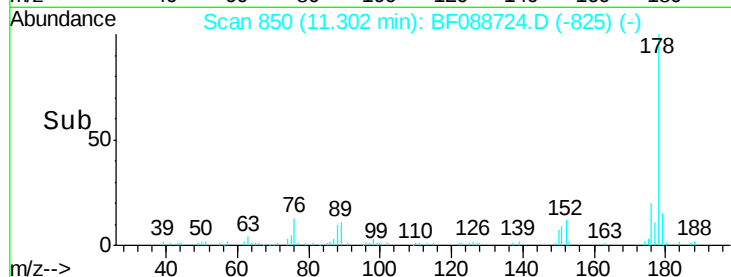
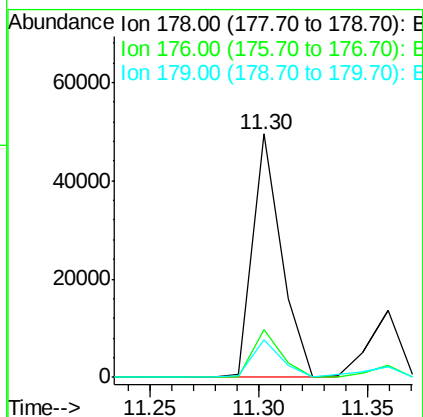
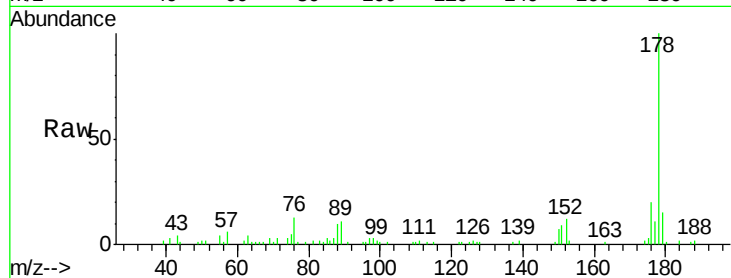
#70
Phenanthrene
Concen: 2.88 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.4	13.0	19.4

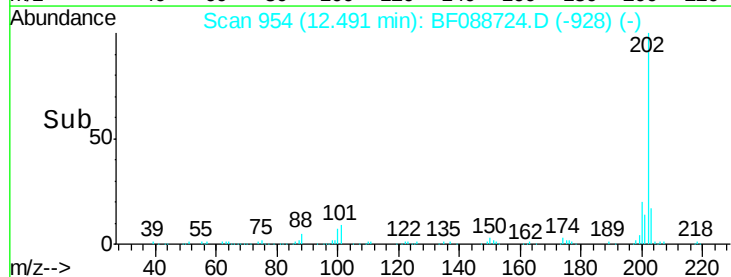
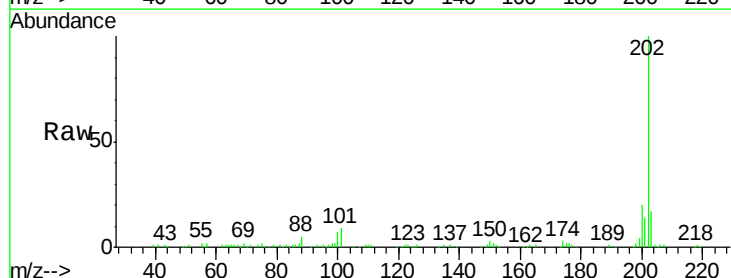
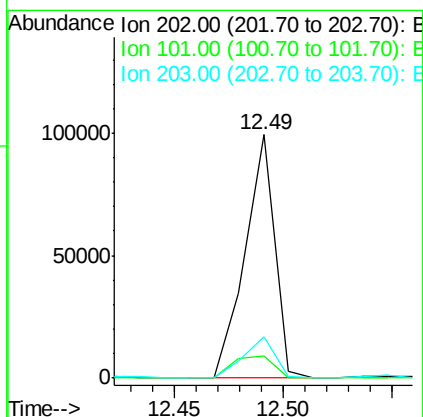
Manual Integrations

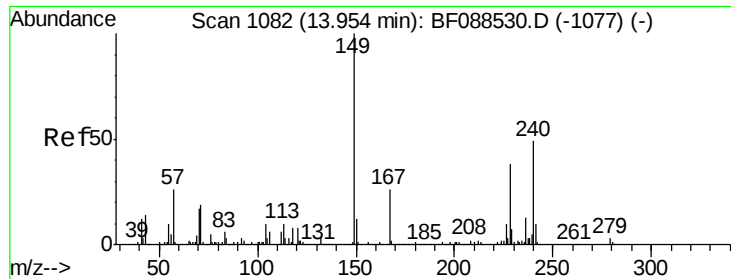
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#74
Fluoranthene
Concen: 5.89 ng
RT: 12.49 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	33.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

Q6-B1-0-6-C

Tot Ion:240 Resp: 198762

Ion Ratio Lower Upper

240 100

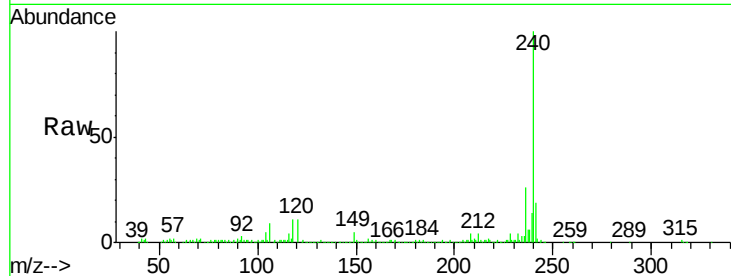
120 11.5 6.8 10.2#

236 26.3 20.2 30.2

Manual Integrations

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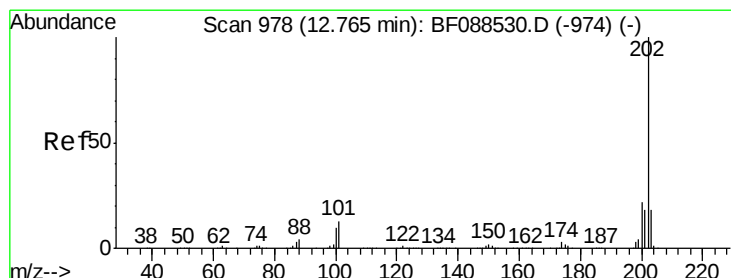
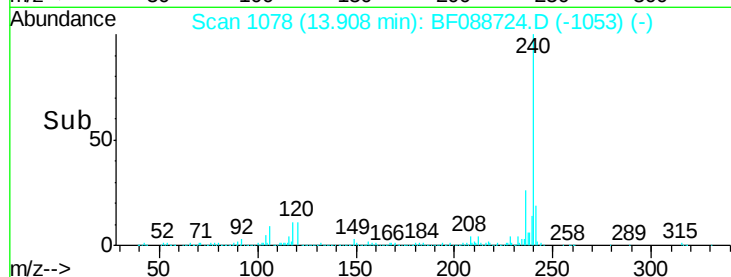
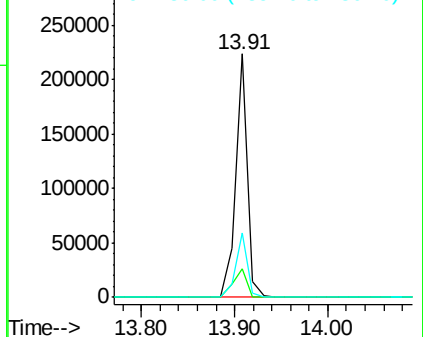
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.36 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

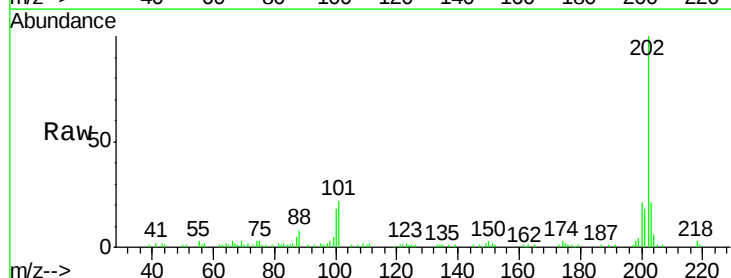
Tgt Ion:202 Resp: 90291

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

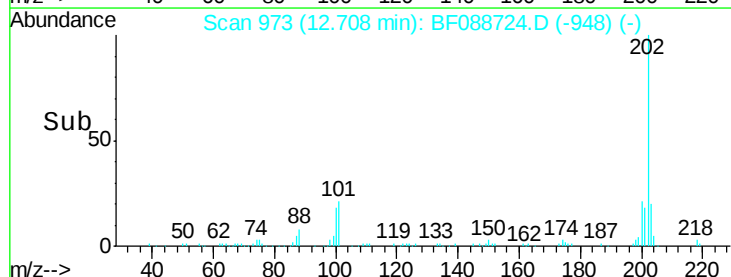
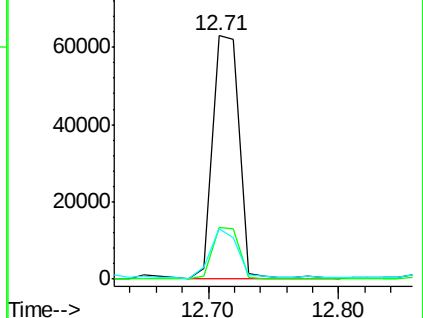
203 20.8 14.5 21.7

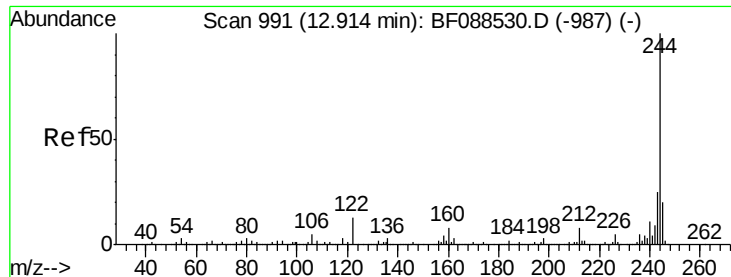


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





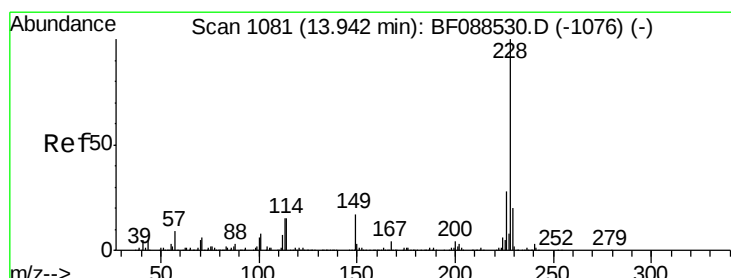
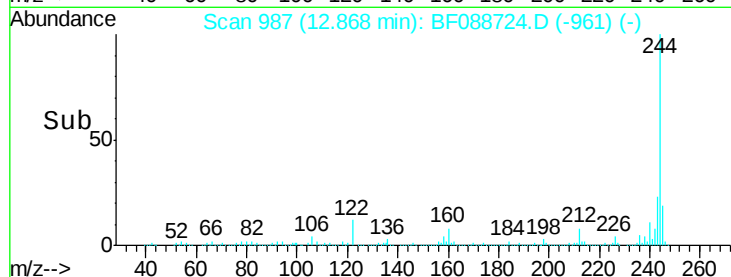
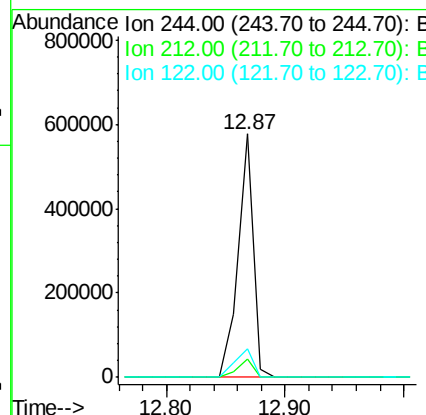
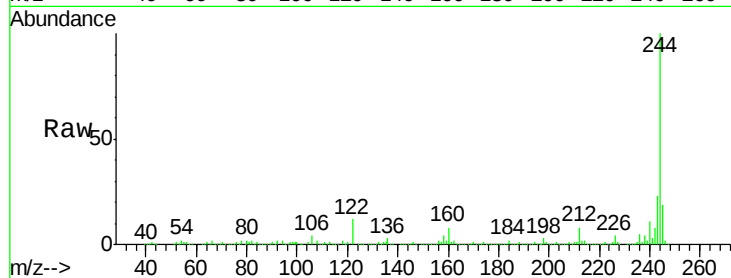
#78
 Terphenyl-d14
 Concen: 57.65 ng
 RT: 12.87 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B1-0-6-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	11.6	11.2	16.8

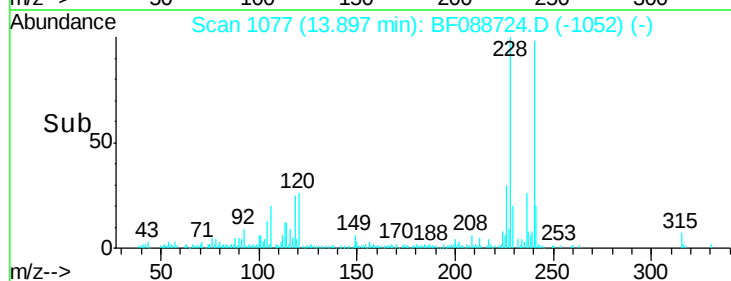
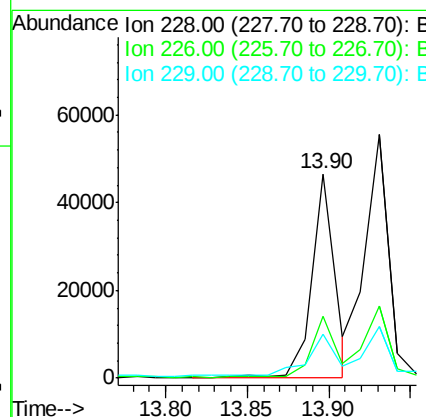
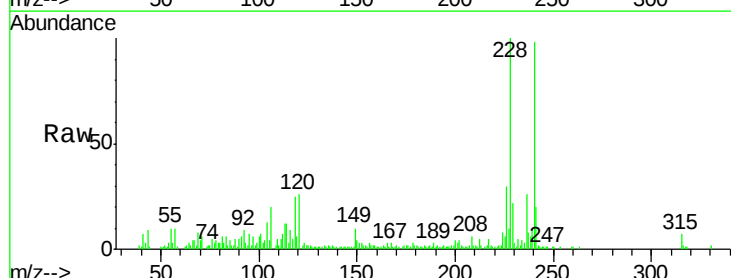
Manual Integrations

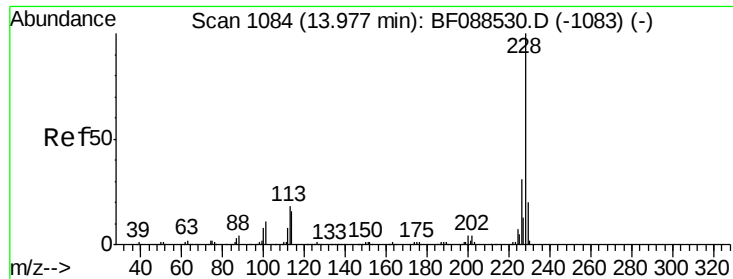
sohil
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#80
 Benzo(a)anthracene
 Concen: 3.59 ng
 RT: 13.90 min Scan# 1077
 Delta R.T. -0.01 min
 Lab File: BF088724.D
 Acq: 6 Jul 2016 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.3	33.5
229	21.7	16.0	24.0





#82

Chrysene

Concen: 4.48 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Instrument :

BNA_F

ClientSampleId :

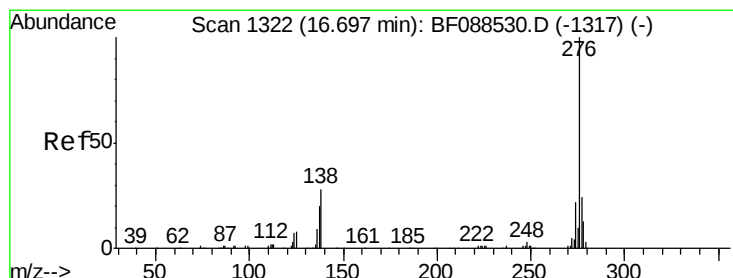
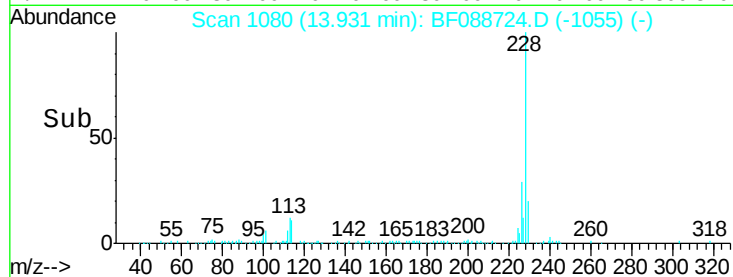
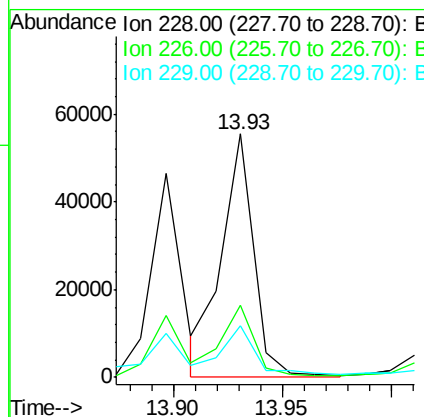
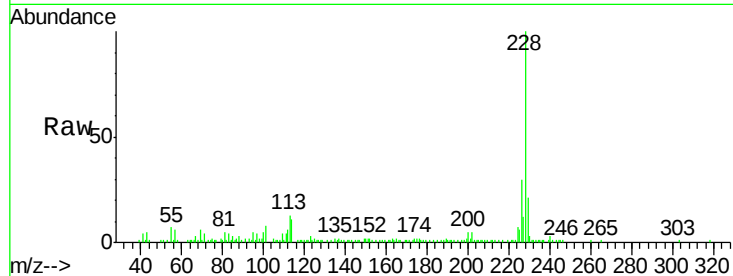
Q6-B1-0-6-C

Tot Ion:	228	Resp:	56686
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.4	38.2
229	21.4	16.3	24.5

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.09 ng

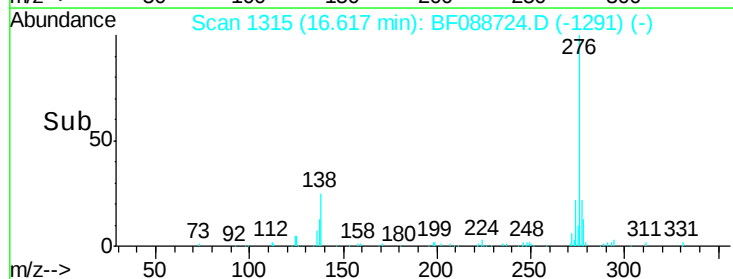
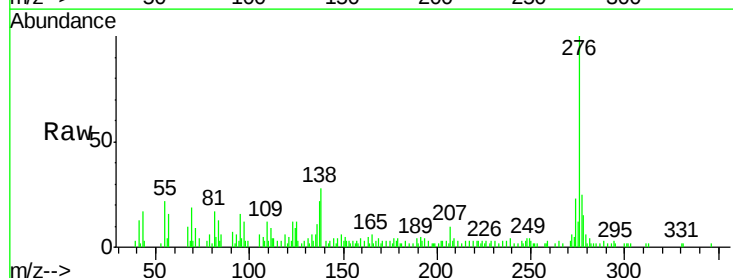
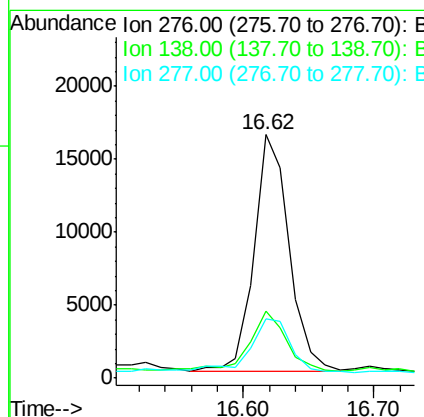
RT: 16.62 min Scan# 1315

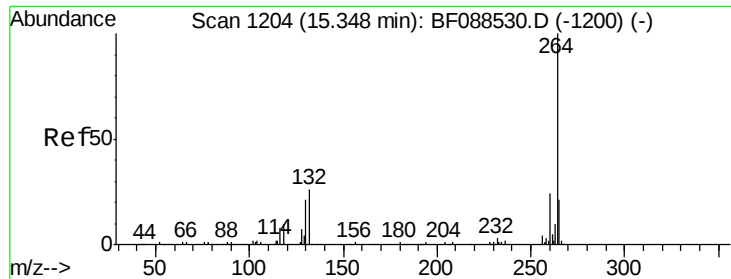
Delta R.T. -0.02 min

Lab File: BF088724.D

Acq: 6 Jul 2016 1:34

Tgt Ion:	276	Resp:	30074
Ion Ratio	Lower	Upper	
276	100		
138	26.8	0.0	0.0#
277	27.8	0.0	0.0#





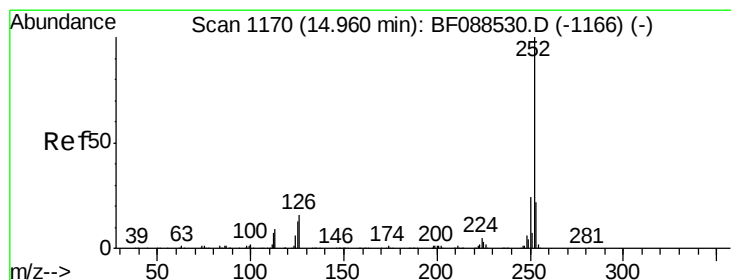
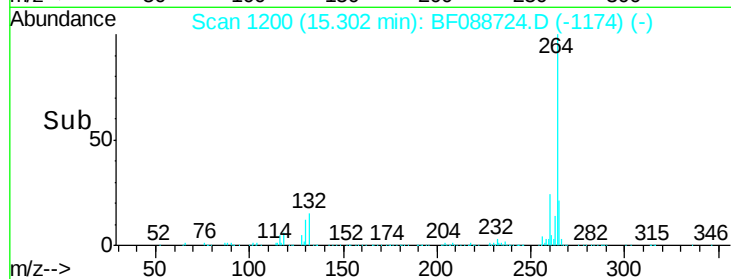
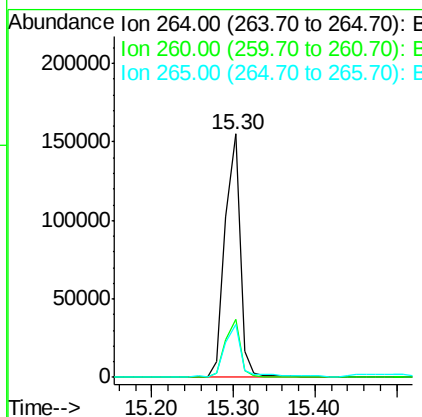
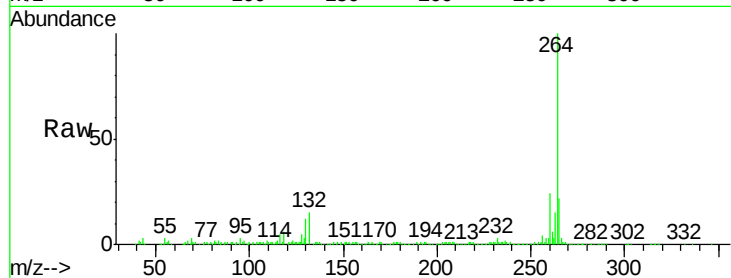
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	16.9	25.3

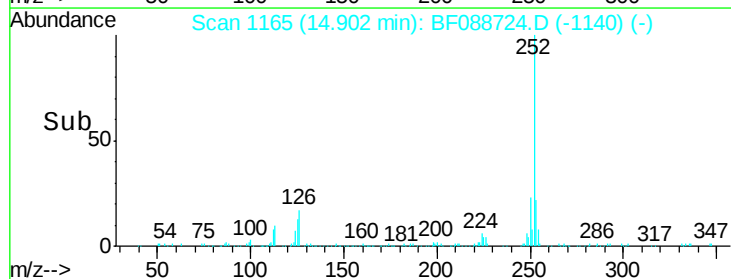
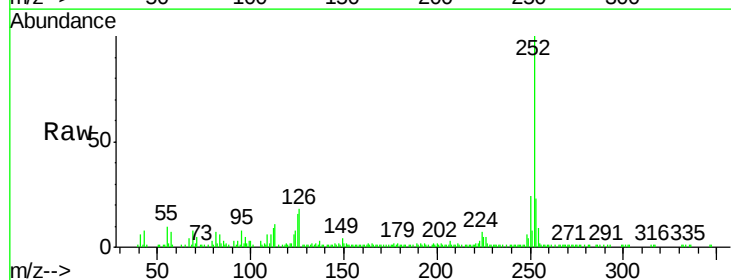
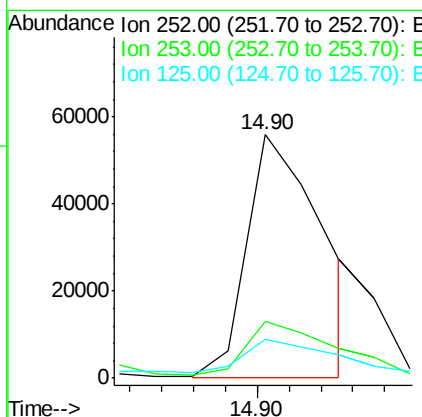
Manual Integrations

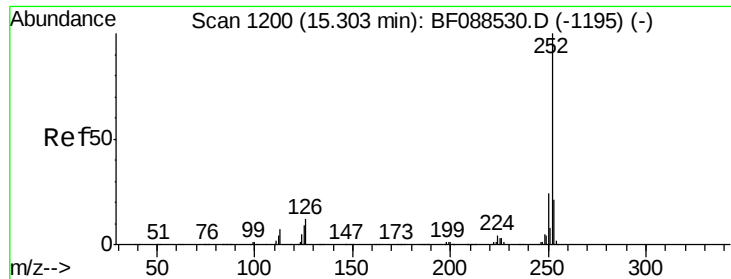
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#87
Benzo(b)fluoranthene
Concen: 7.28 ng m
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	15.8	7.1	10.7





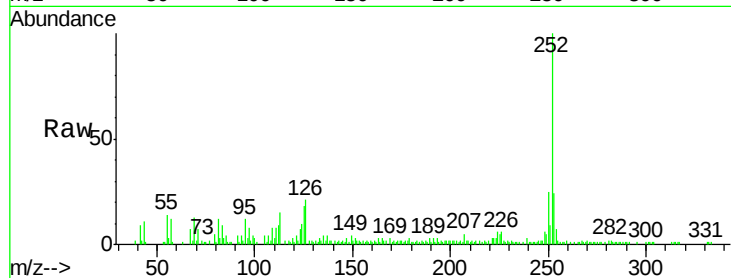
#89
Benzo(a)pyrene
Concen: 4.30 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Instrument :
BNA_F
ClientSampleId :
Q6-B1-0-6-C

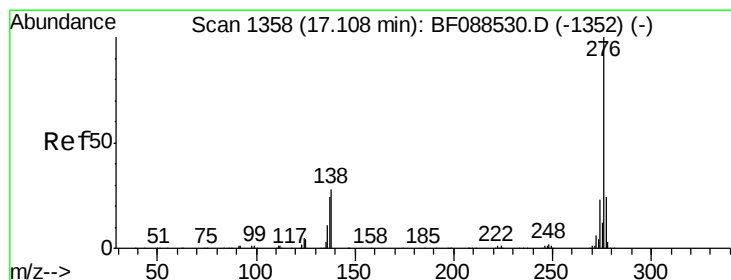
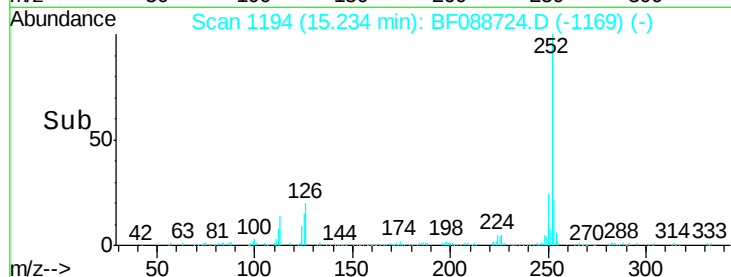
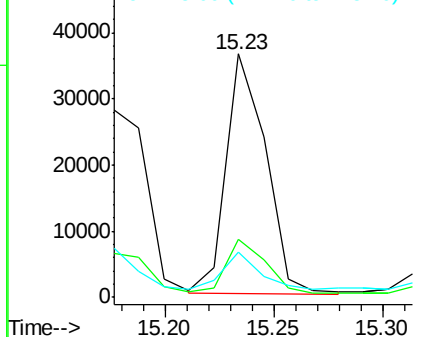
Tot Ion:	252	Resp:	46015
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	18.5	12.5	18.7

Manual Integrations

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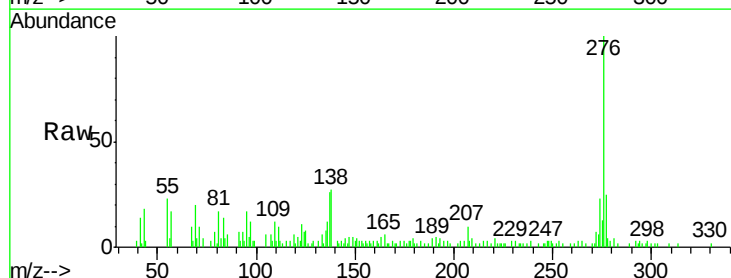


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.14 ng
RT: 17.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF088724.D
Acq: 6 Jul 2016 1:34

Tgt Ion:	276	Resp:	29007
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.9	28.3
138	26.7	21.4	32.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

