

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089057.D
 Acq On : 16 Jul 2016 16:10
 Operator : UM/SJ
 Sample : H3989-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B200(0-5)C

Manual Integrations

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 7/18/2016 7:37:57 PM

Quant Time: Jul 18 01:57:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	58654	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	227303	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	98881	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	145322	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	108045	20.00	ng	-0.05
86) Perylene-d12	15.18	264	83988	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	389315	99.48	ng	-0.03
7) Phenol-d6	6.32	99	467109	92.37	ng	-0.03
23) Nitrobenzene-d5	7.23	82	334514	77.12	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	71341	77.70	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	486094	77.65	ng	-0.05
78) Terphenyl-d14	12.77	244	313852	64.70	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.43	163	130832	18.57	ng	Qvalue 100
70) Phenanthrene	11.20	178	66258	8.34	ng	98
73) Di-n-butylphthalate	11.76	149	32705	3.78	ng	99
74) Fluoranthene	12.39	202	113565	14.10	ng	94
77) Pyrene	12.61	202	98684	10.77	ng	96
80) Benzo(a)anthracene	13.79	228	57397	8.25	ng	97
82) Chrysene	13.83	228	39516m	5.74	ng	
83) Bis(2-ethylhexyl)phthalate	13.81	149	11687	2.51	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.46	276	18740	3.54	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	62247m	11.81	ng	
89) Benzo(a)pyrene	15.12	252	31938	7.16	ng	# 91
91) Benzo(a,h,i)perylene	16.85	276	20412	5.30	ng	95

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

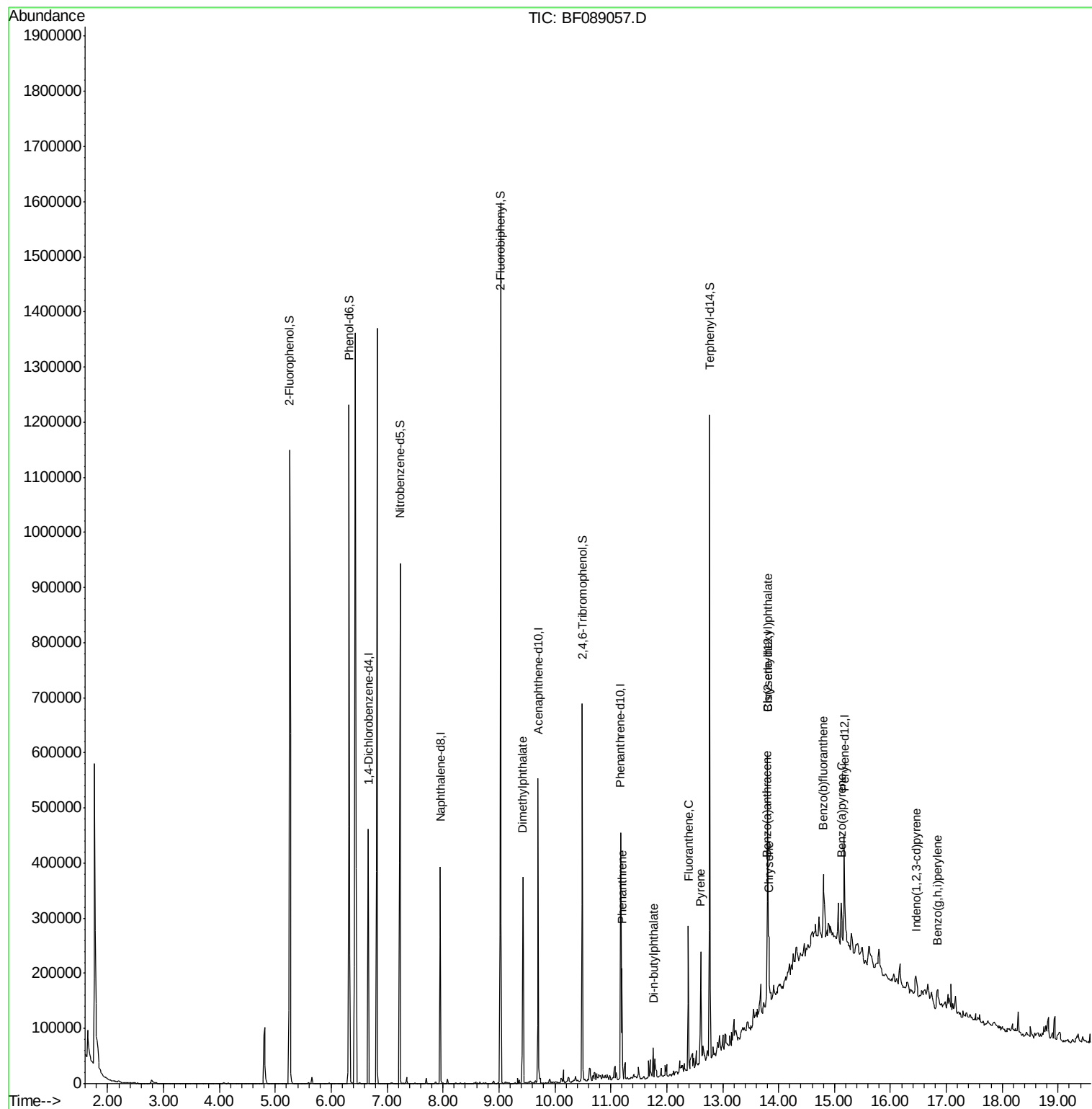
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089057.D
Acq On : 16 Jul 2016 16:10
Operator : UM/SJ
Sample : H3989-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

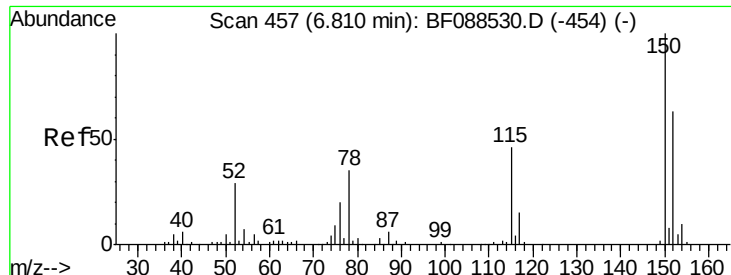
Instrument :
BNA_F
ClientSampleId :
Q7-B200(0-5)C

Manual Integrations

Quant Time: Jul 18 01:57:57 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

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#1

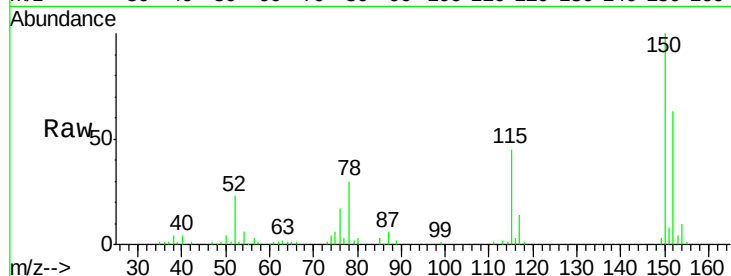
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Instrument :
BNA_F
ClientSampleId :
Q7-B200(0-5)C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	123.8	185.6
115	71.1	39.6	59.4

Manual Integrations

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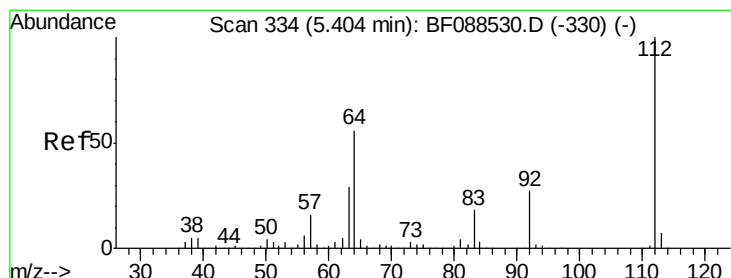
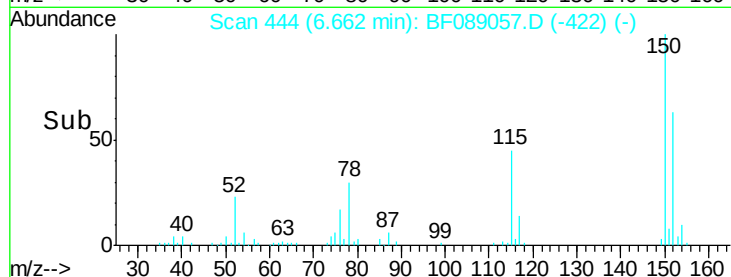
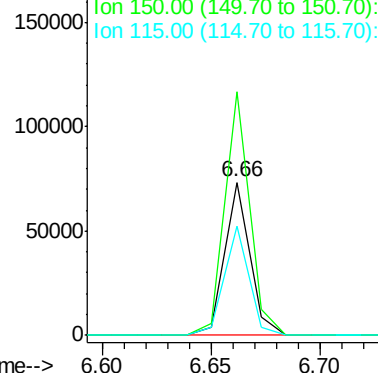


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

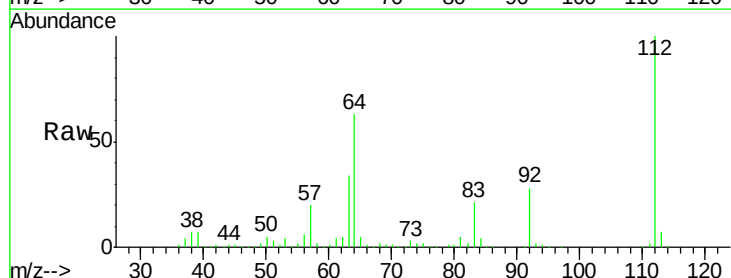
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.48 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	42.2	63.2
63	33.8	21.8	32.8

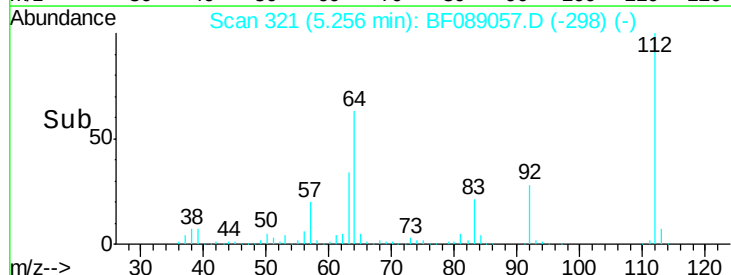
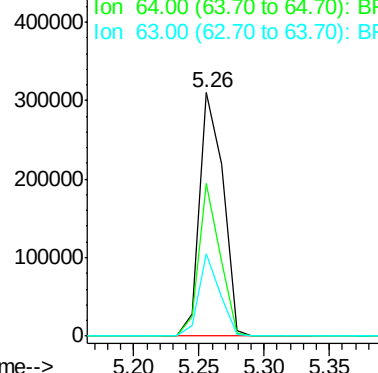


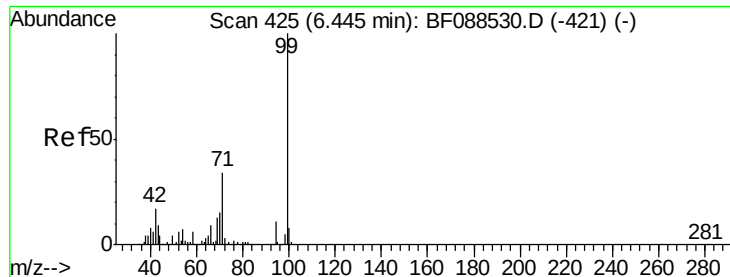
Abundance

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: 92.37 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Instrument :

BNA_F

ClientSampleId :

Q7-B200(0-5)C

Tot Ion: 99 Resp: 467109

Ion Ratio Lower Upper

99 100

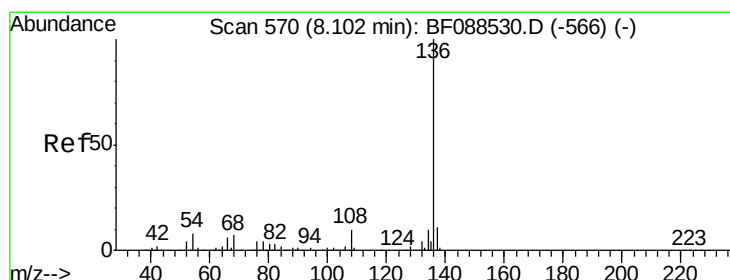
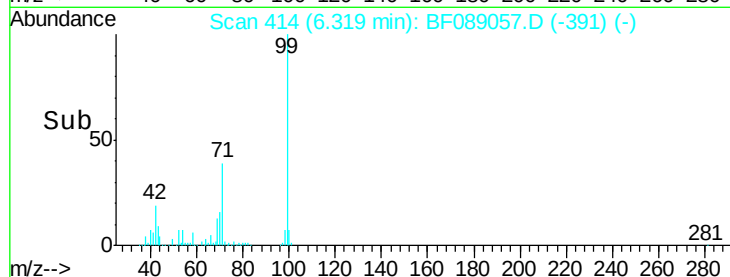
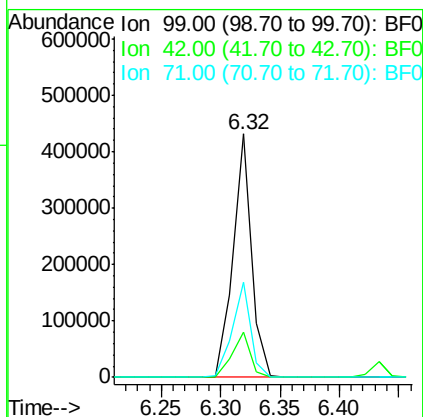
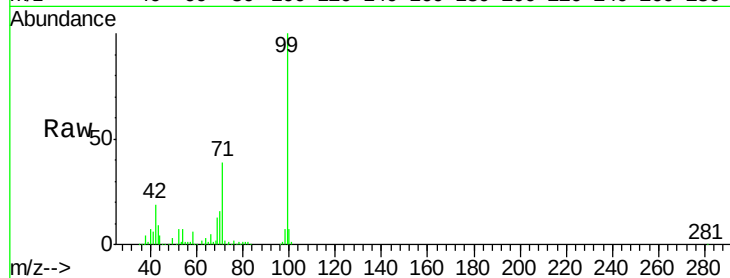
42 18.8 12.2 18.2#

71 39.0 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Tgt Ion: 136 Resp: 227303

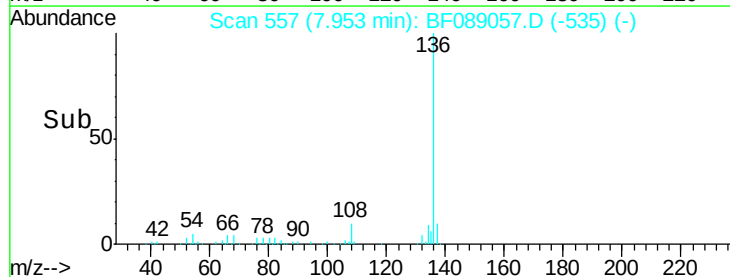
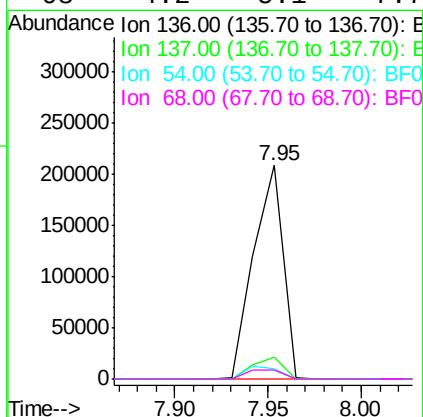
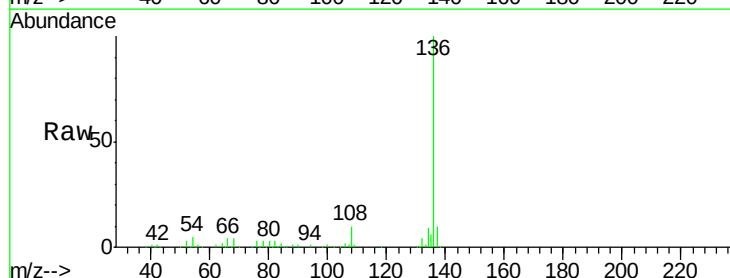
Ion Ratio Lower Upper

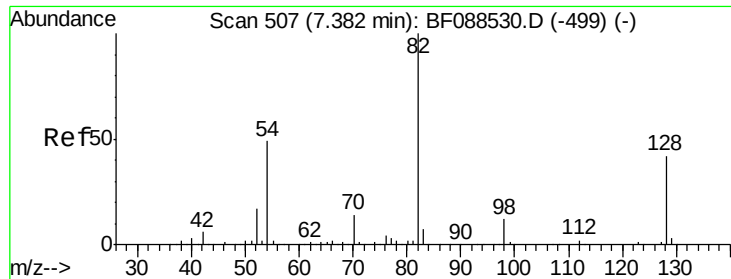
136 100

137 10.4 9.1 13.7

54 4.9 6.6 10.0#

68 4.2 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 77.12 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Instrument :

BNA_F

ClientSampleId :

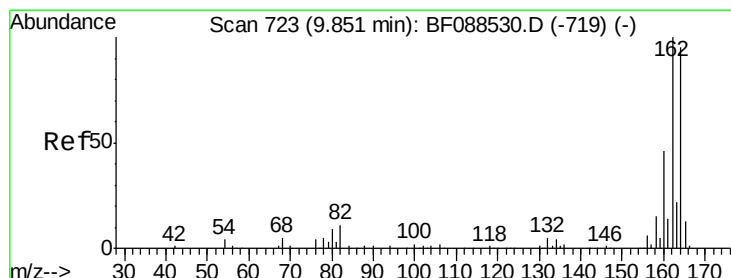
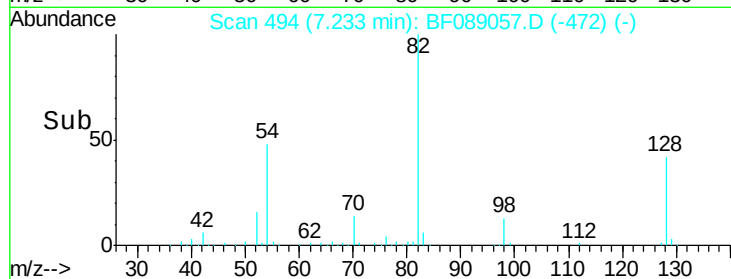
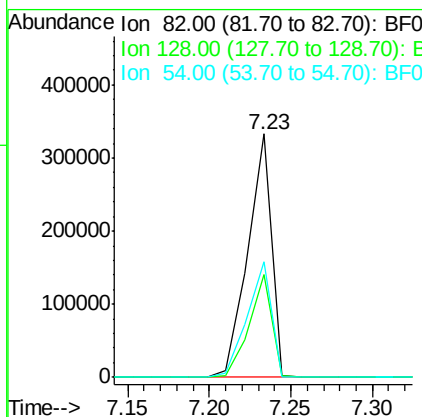
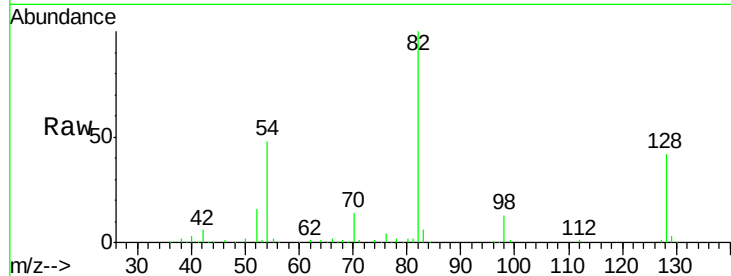
Q7-B200(0-5)C

Tot Ion:	82	Resp:	334514
Ion Ratio	Lower	Upper	
82	100		
128	42.3	35.9	53.9
54	47.5	40.9	61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

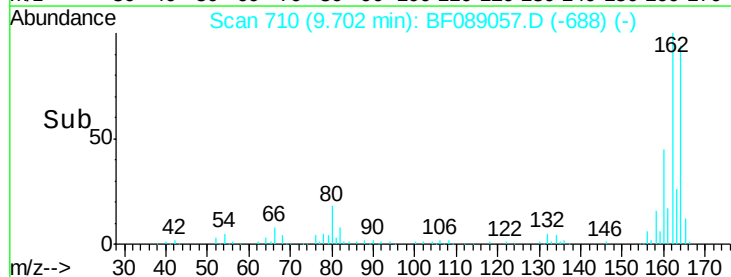
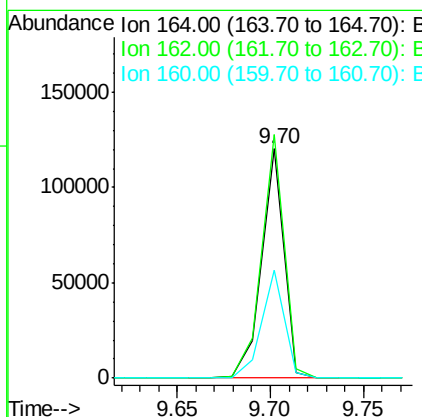
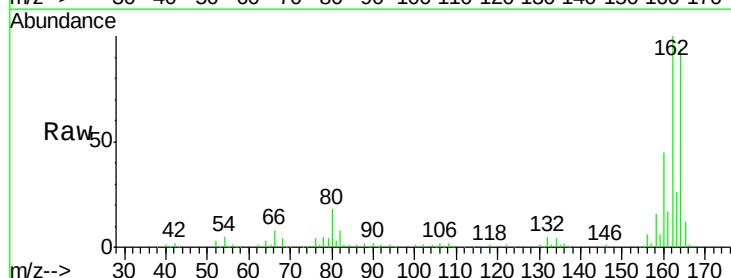
RT: 9.70 min Scan# 710

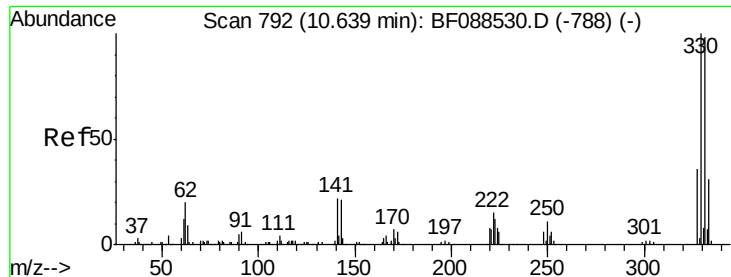
Delta R.T. -0.05 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Tgt Ion:	164	Resp:	98881
Ion Ratio	Lower	Upper	
164	100		
162	106.3	85.4	128.2
160	47.3	39.5	59.3





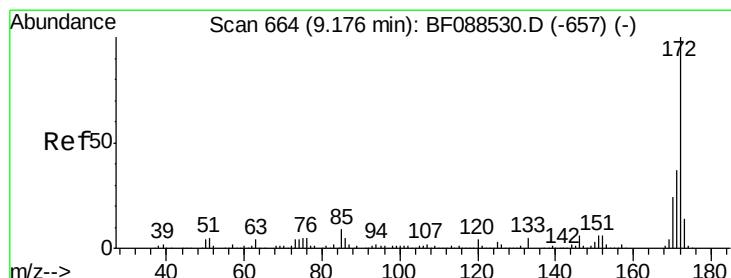
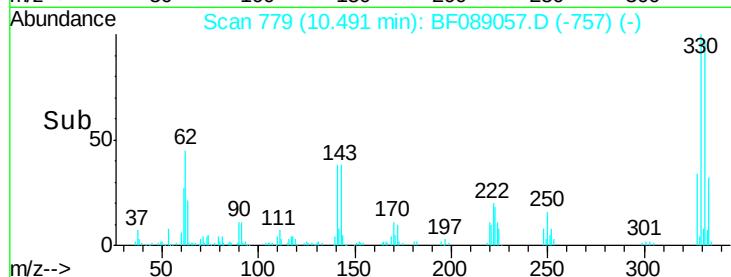
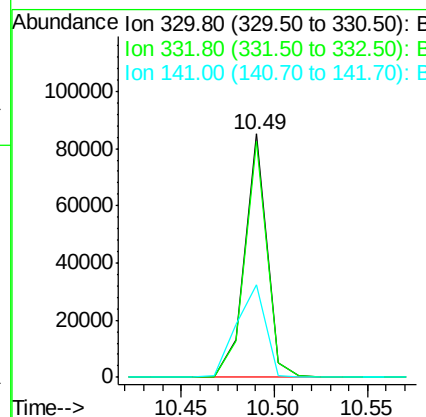
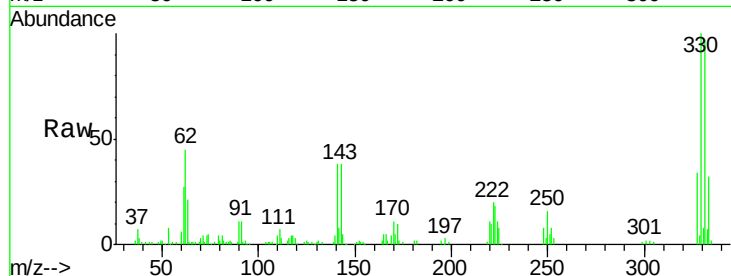
#41
 2,4,6-Tribromophenol
 Concen: 77.70 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089057.D
 Acq: 16 Jul 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B200(0-5)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	49.9	0.0	0.0#

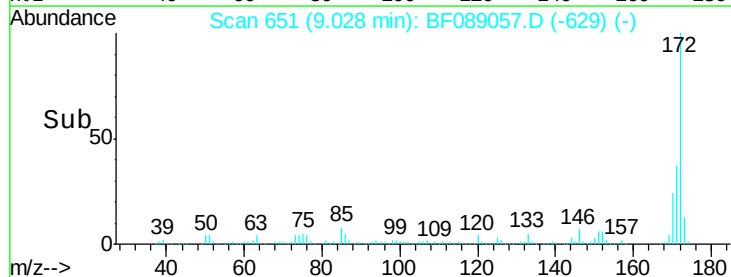
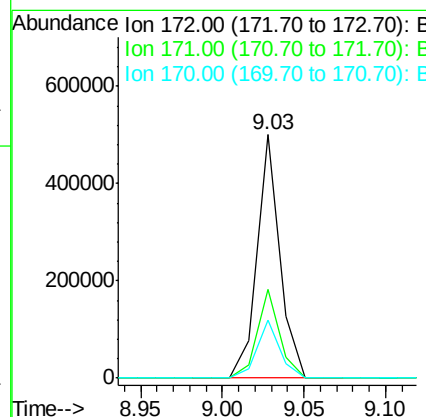
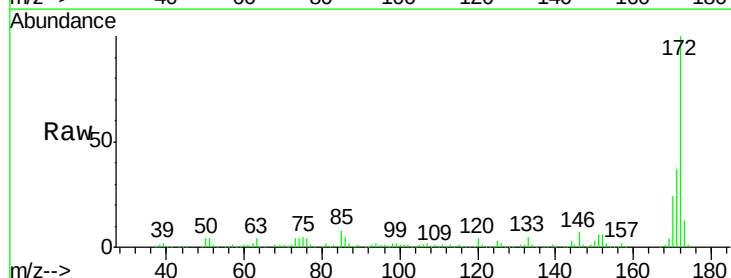
Manual Integrations

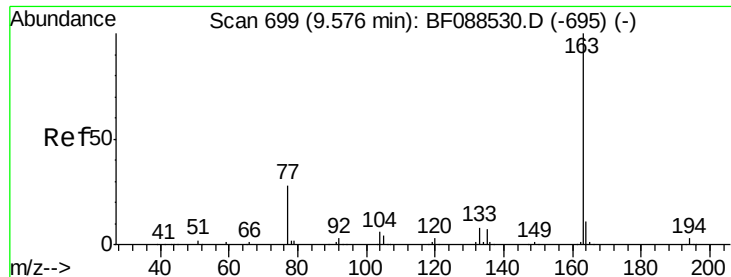
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#44
 2-Fluorobiphenyl
 Concen: 77.65 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089057.D
 Acq: 16 Jul 2016 16:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.1	19.2	28.8





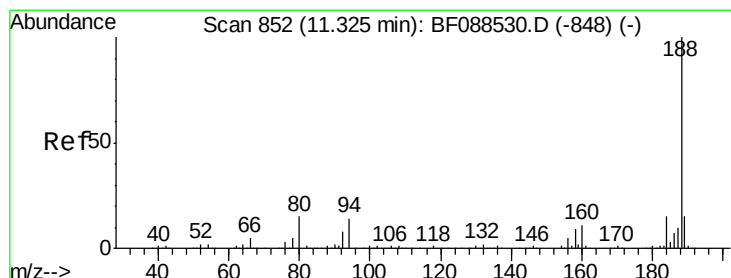
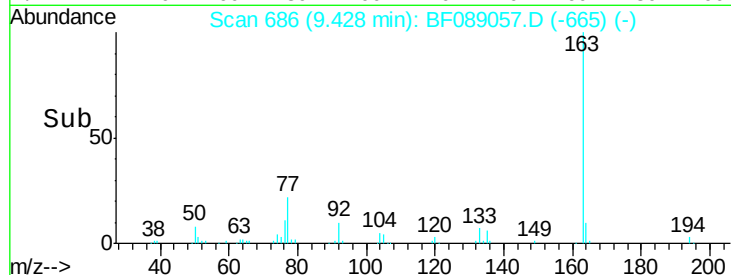
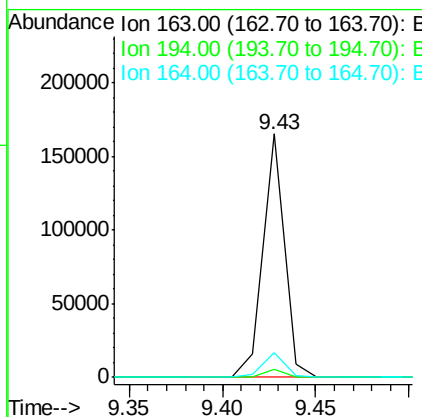
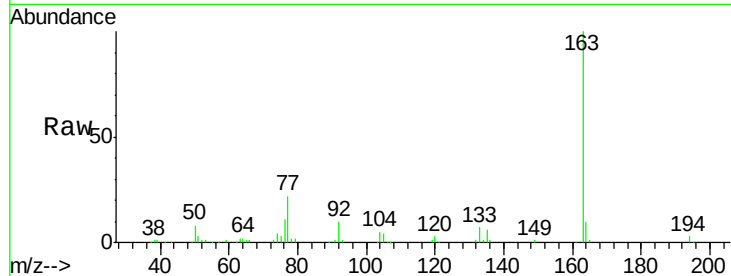
#49
Dimethylphthalate
Concen: 18.57 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Instrument :
BNA_F
ClientSampleId :
Q7-B200(0-5)C

Tot Ion:163 Resp: 130832
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.4 8.3 12.5

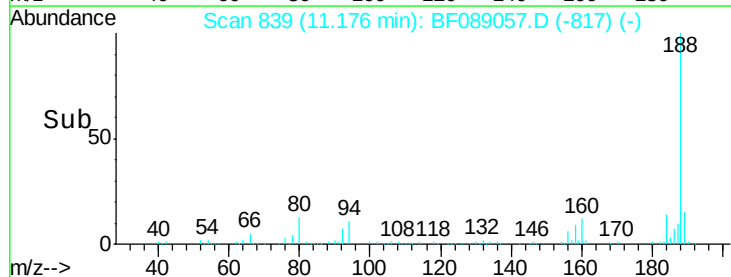
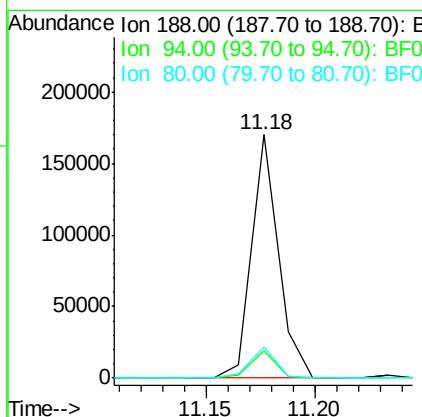
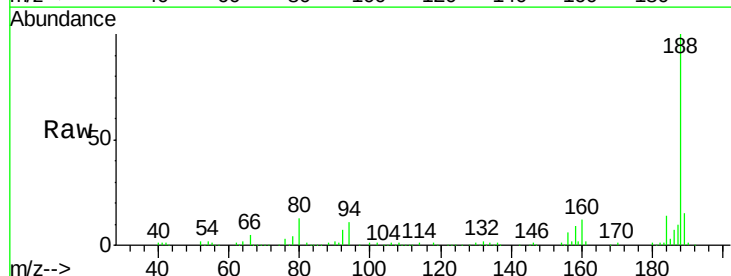
Manual Integrations

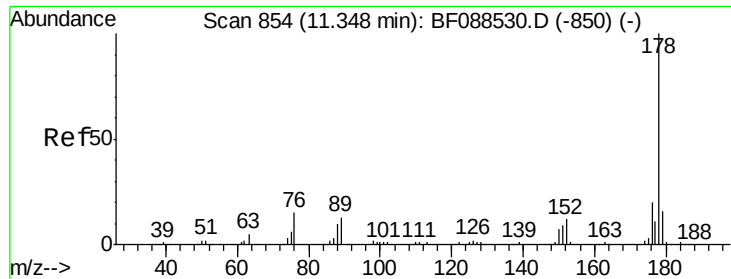
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.05 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Tgt Ion:188 Resp: 145322
Ion Ratio Lower Upper
188 100
94 11.1 9.0 13.6
80 13.0 10.0 15.0





#70

Phenanthrene

Concen: 8.34 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.05 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Instrument :

BNA_F

ClientSampleId :

Q7-B200(0-5)C

Tot Ion:178 Resp: 66258

Ion Ratio Lower Upper

178 100

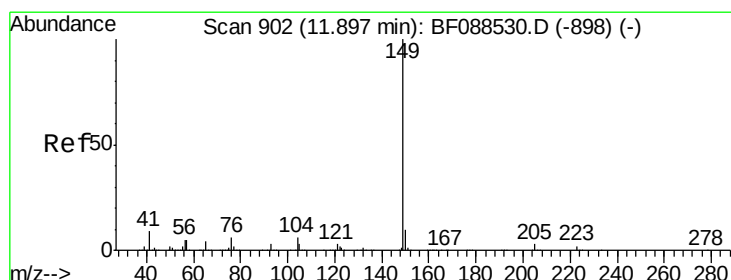
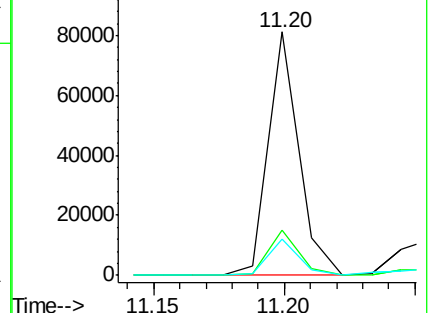
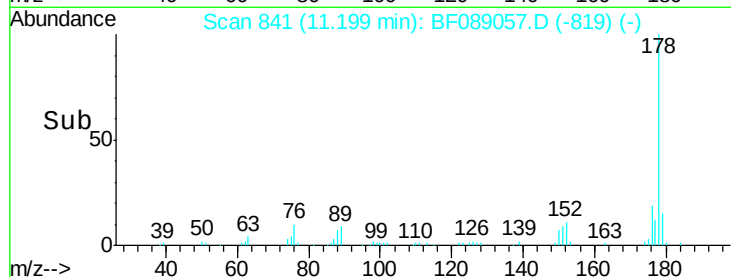
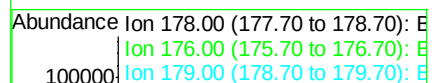
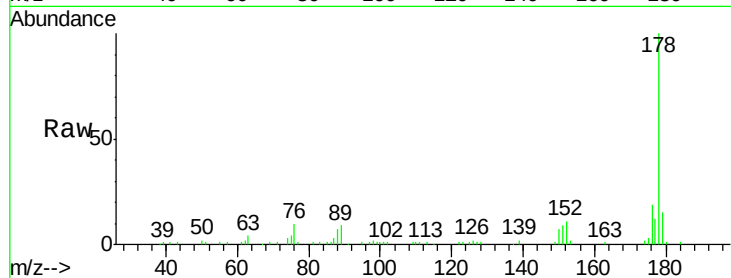
176 18.8 15.8 23.6

179 15.1 13.0 19.4

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#73

Di-n-butylphthalate

Concen: 3.78 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.03 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

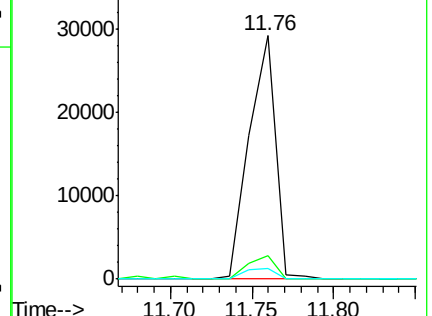
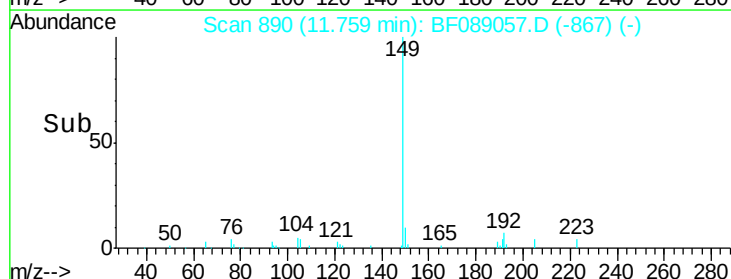
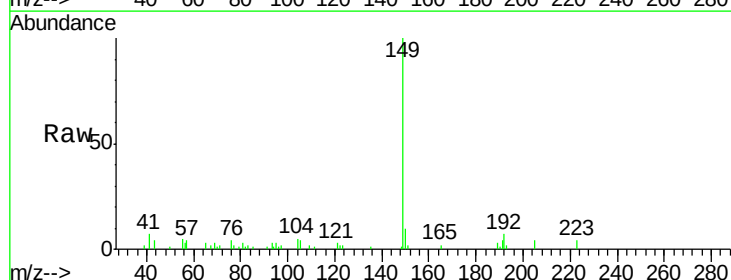
Tgt Ion:149 Resp: 32705

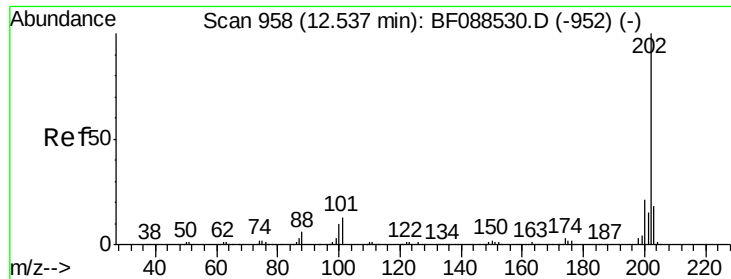
Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

104 4.5 4.0 6.0





#74

Fluoranthene

Concen: 14.10 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089057.D

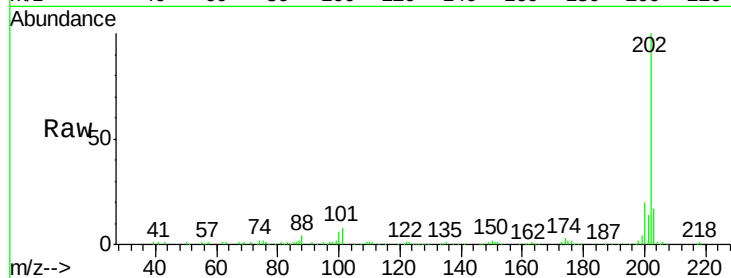
Acq: 16 Jul 2016 16:10

Instrument :

BNA_F

ClientSampleId :

Q7-B200(0-5)C

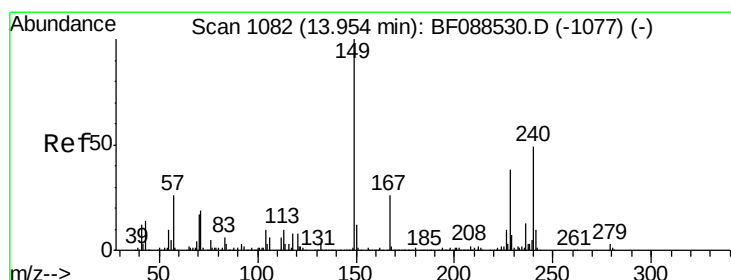
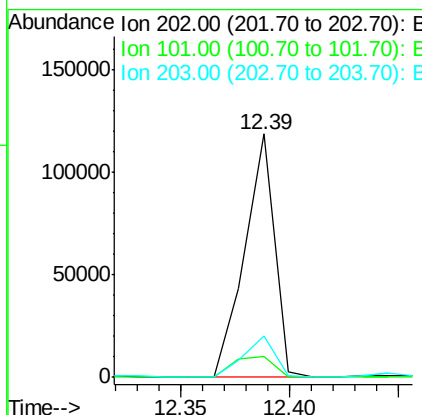
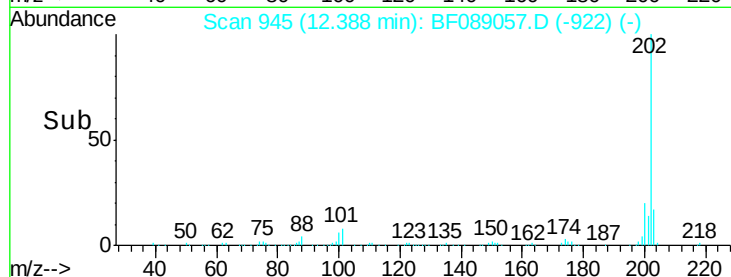


Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	8.5	0.0	33.1		
203	17.1	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

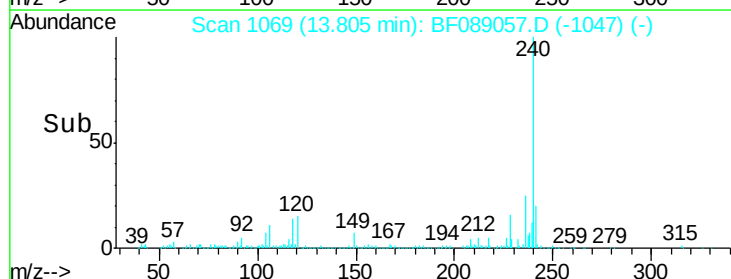
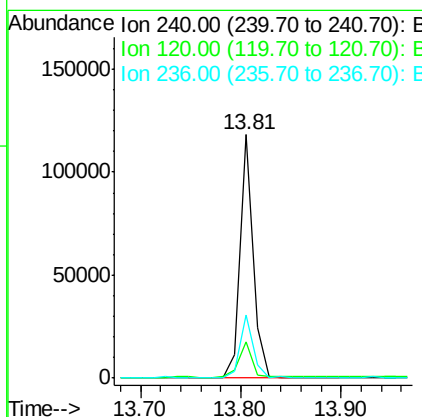
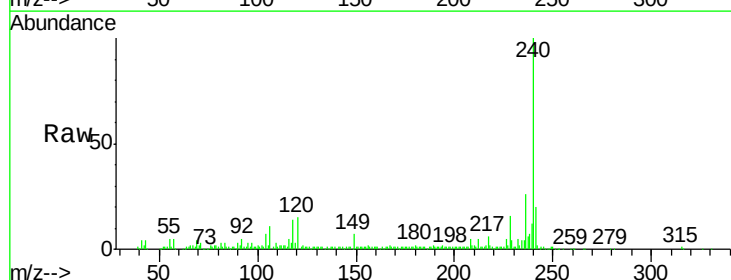
RT: 13.81 min Scan# 1069

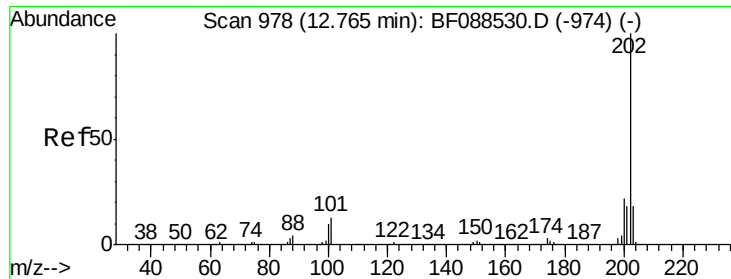
Delta R.T. -0.05 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.8	6.8	10.2#		
236	25.8	20.2	30.2		





#77

Pvrene

Concen: 10.77 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.05 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Instrument :

BNA_F

ClientSampleId :

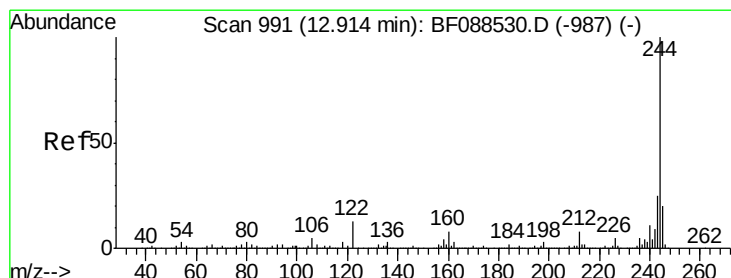
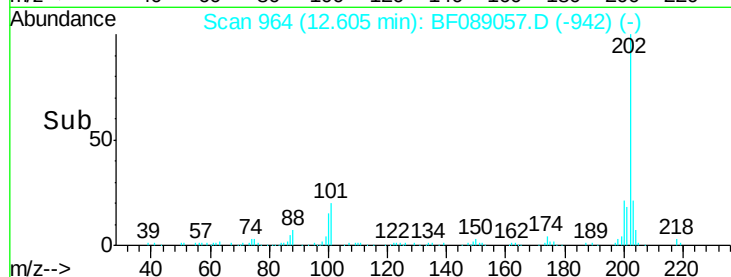
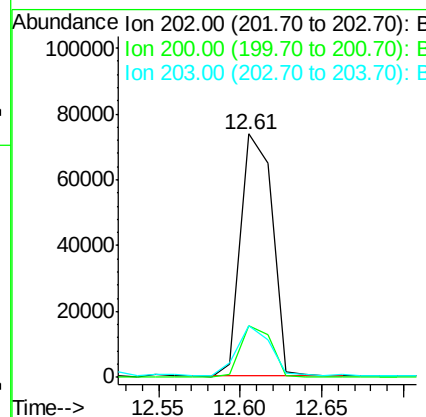
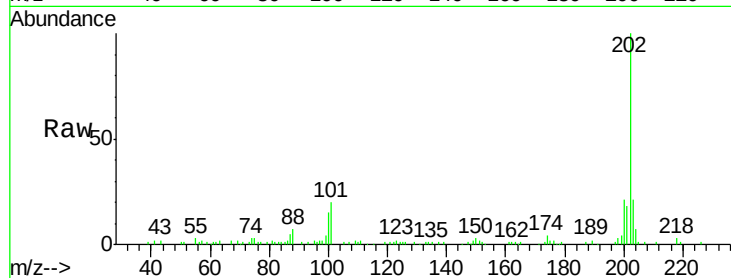
Q7-B200(0-5)C

Tot Ion:	202	Resp:	98684
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	21.4	14.5	21.7

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#78

Terphenyl-d14

Concen: 64.70 ng

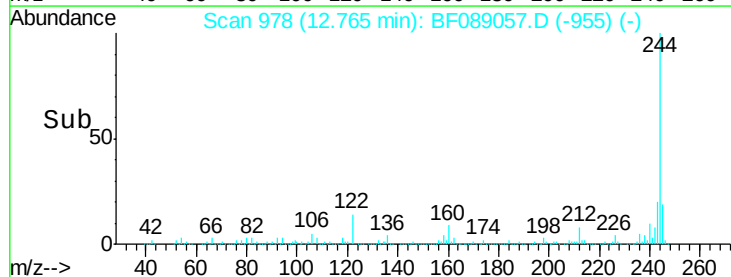
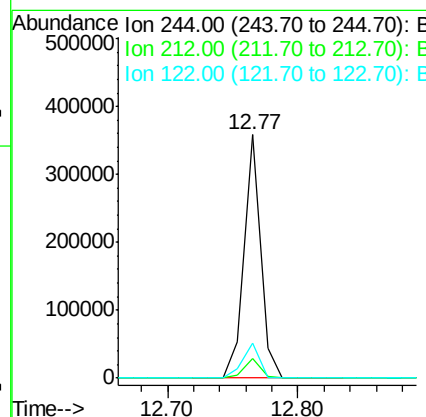
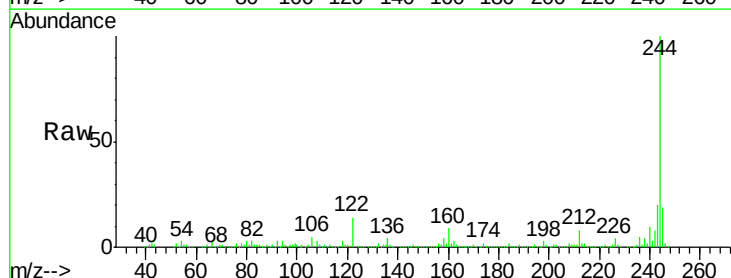
RT: 12.77 min Scan# 978

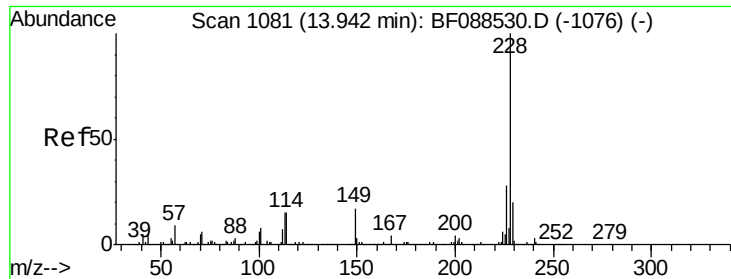
Delta R.T. -0.03 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Tgt Ion:	244	Resp:	313852
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.0	9.0
122	14.4	11.2	16.8





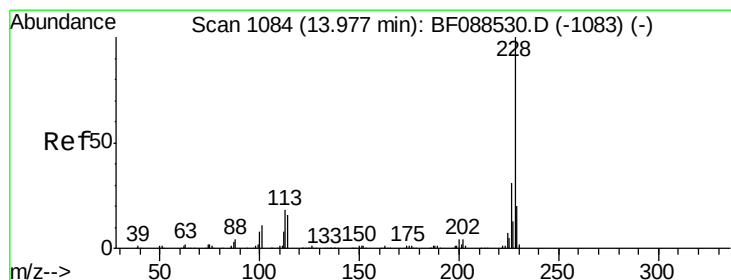
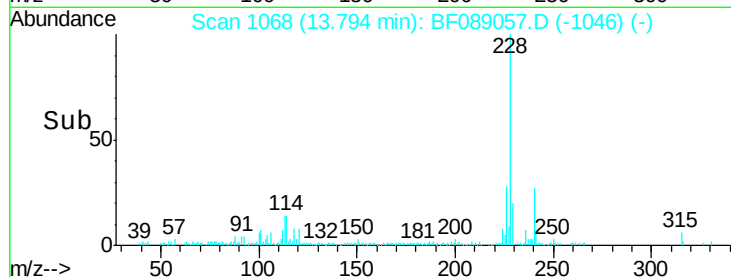
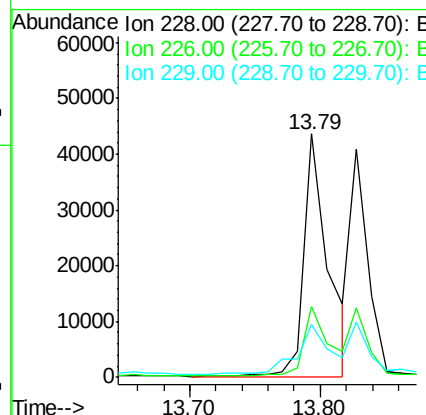
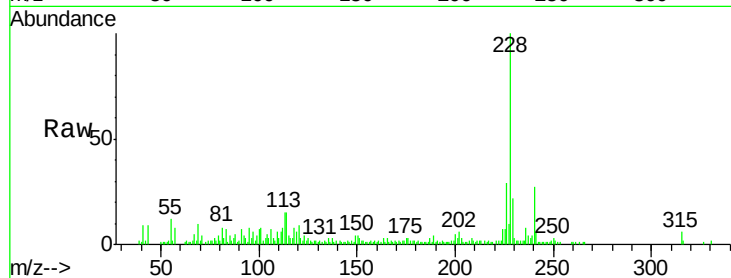
#80
Benzo(a)anthracene
Concen: 8.25 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Instrument :
BNA_F
ClientSampleId :
Q7-B200(0-5)C

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	29.1	22.3	33.5	
229	21.9	16.0	24.0	

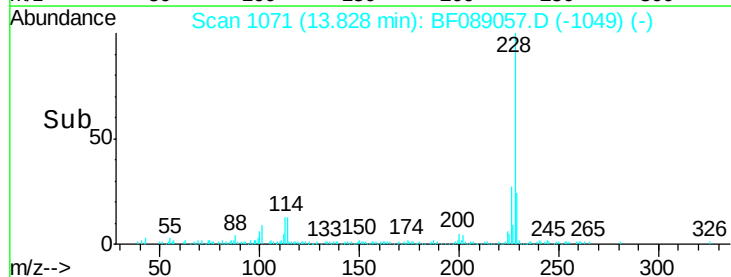
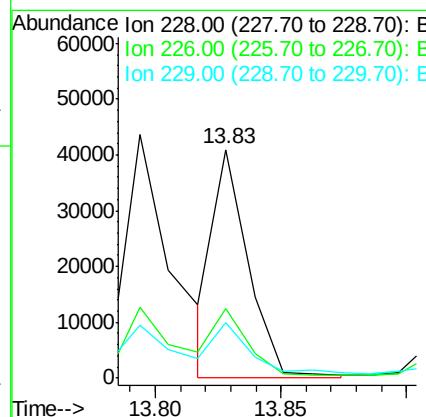
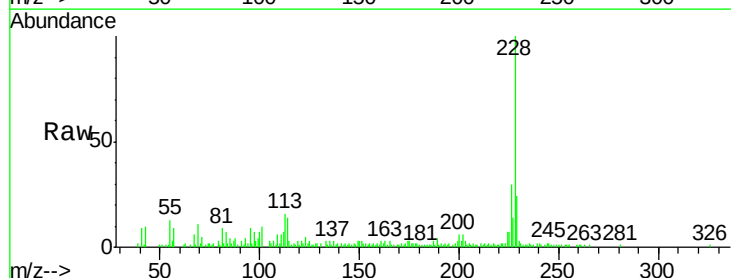
Manual Integrations

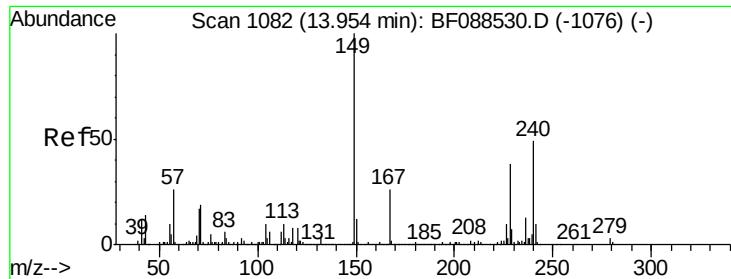
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#82
Chrysene
Concen: 5.74 ng m
RT: 13.83 min Scan# 1071
Delta R.T. -0.05 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	30.1	25.4	38.2	
229	24.4	16.3	24.5	





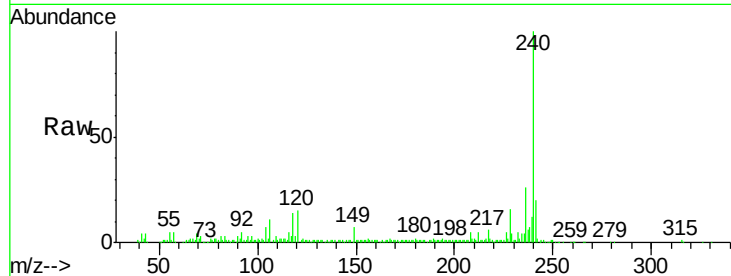
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.51 ng
 RT: 13.81 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BF089057.D
 Acq: 16 Jul 2016 16:10

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B200(0-5)C

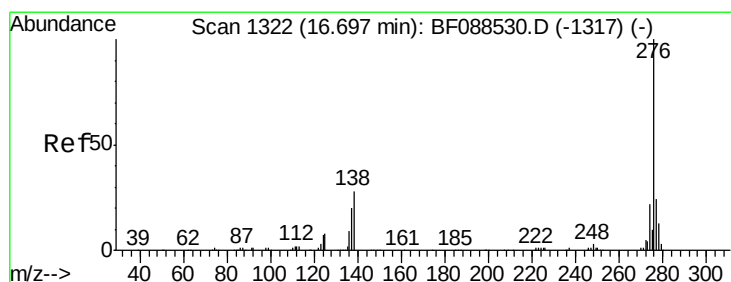
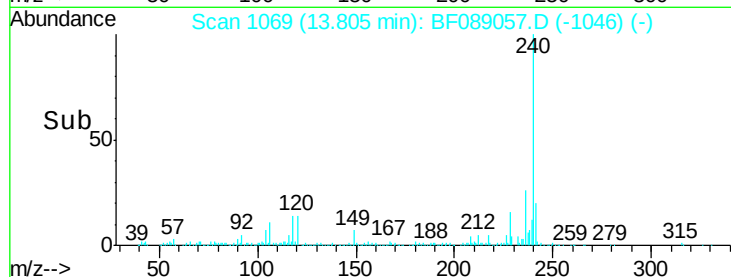
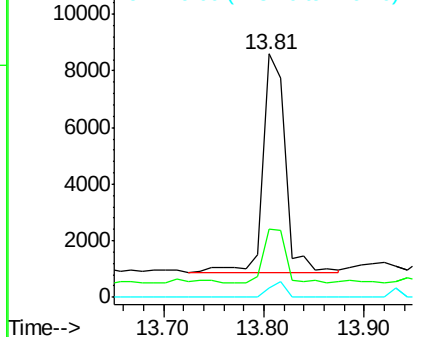
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	20.5	30.7
279	3.8	2.0	3.0#

Manual Integrations

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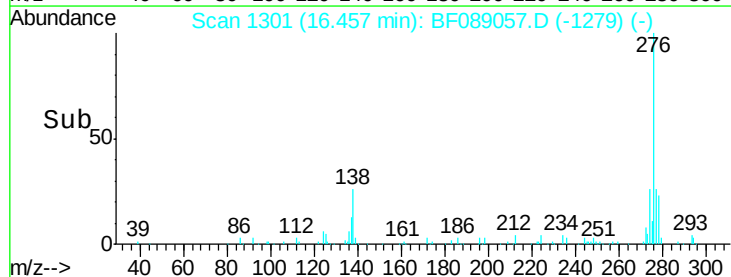
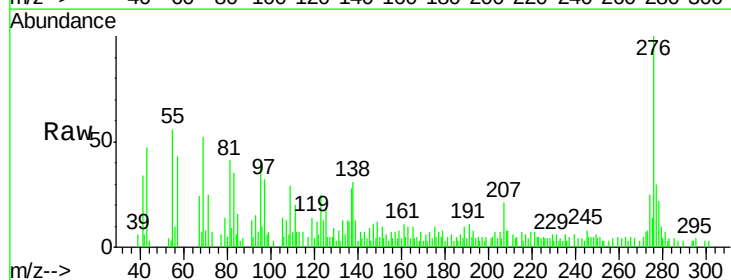
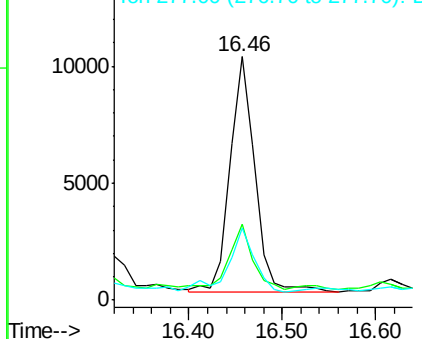
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

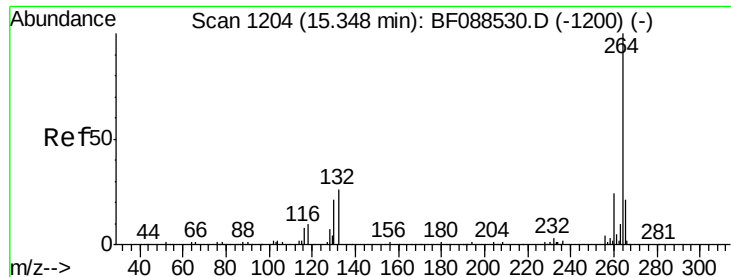


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.54 ng
 RT: 16.46 min Scan# 1301
 Delta R.T. -0.05 min
 Lab File: BF089057.D
 Acq: 16 Jul 2016 16:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	0.0	0.0#
277	28.8	0.0	0.0#

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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

Instrument :

BNA_F

ClientSampleId :

Q7-B200(0-5)C

Tot Ion:264 Resp: 83988

Ion Ratio Lower Upper

264 100

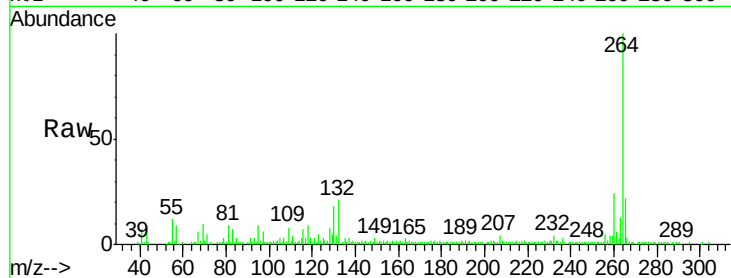
260 24.3 19.2 28.8

265 22.0 16.9 25.3

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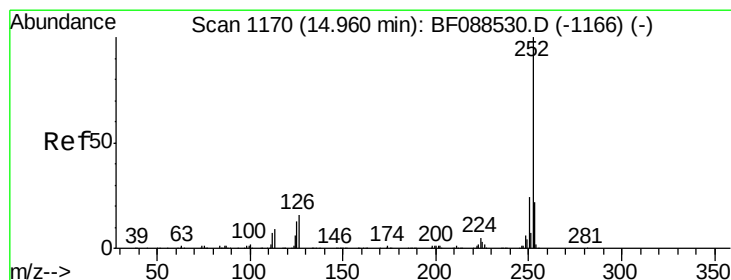
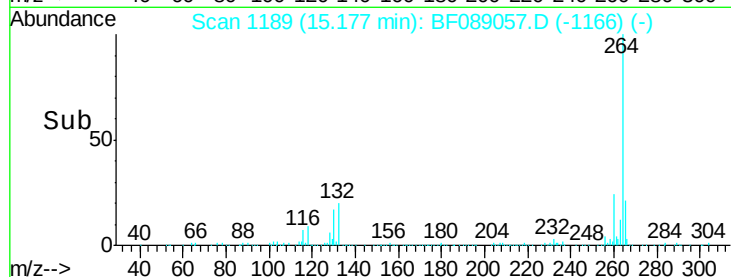
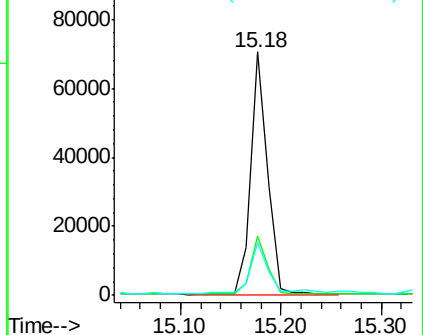
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 11.81 ng m

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089057.D

Acq: 16 Jul 2016 16:10

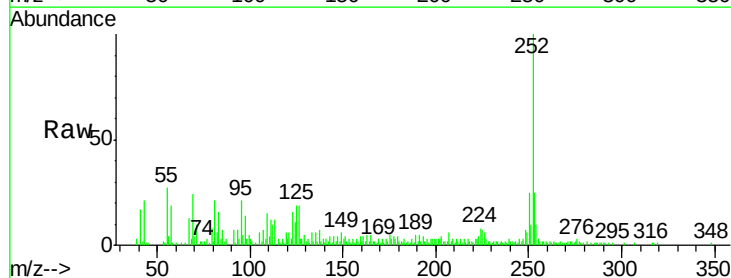
Tgt Ion:252 Resp: 62247

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.2

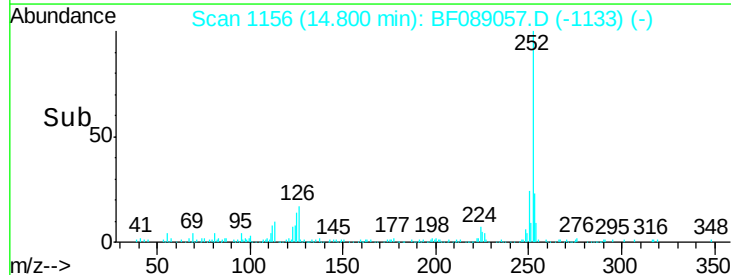
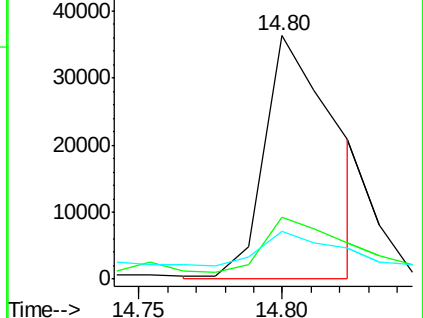
125 19.4 7.1 10.7#

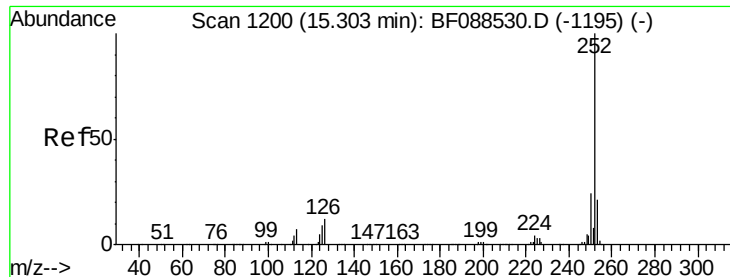


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





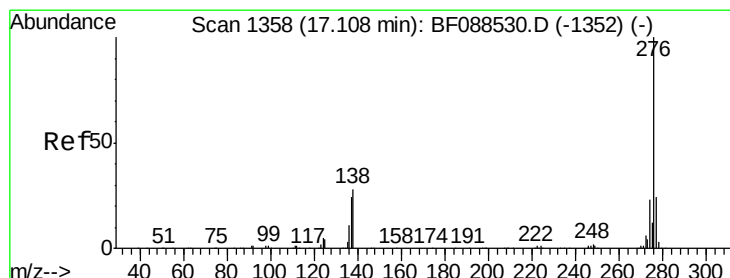
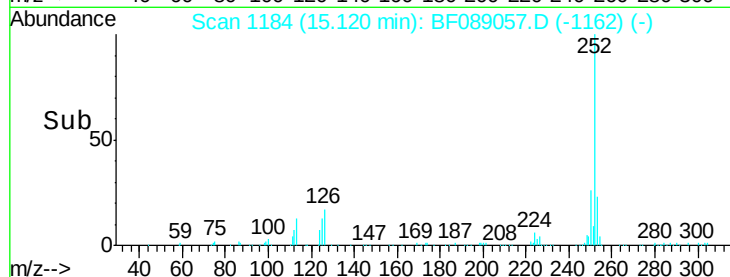
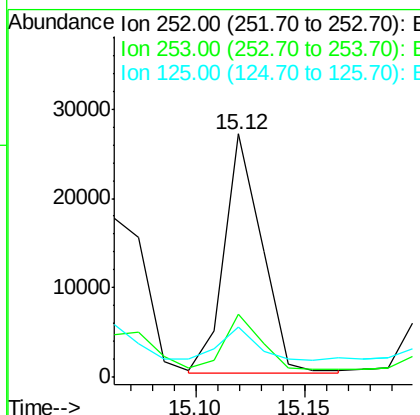
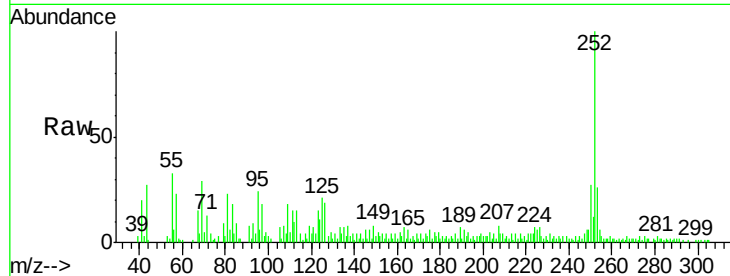
#89
Benzo(a)pyrene
Concen: 7.16 ng
RT: 15.12 min Scan# 1184
Delta R.T. -0.05 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Instrument :
BNA_F
ClientSampleId :
Q7-B200(0-5)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	20.6	12.5	18.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 5.30 ng
RT: 16.85 min Scan# 1335
Delta R.T. -0.05 min
Lab File: BF089057.D
Acq: 16 Jul 2016 16:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.9	28.3
138	25.2	21.4	32.2

