

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089061.D
 Acq On : 16 Jul 2016 18:12
 Operator : UM/SJ
 Sample : H3989-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 U3-B2(0-11)C

Manual Integrations

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Quant Time: Jul 18 02:09:30 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	51356	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	222273	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	83719	20.00	ng	-0.05
63) Phenanthrene-d10	11.19	188	134402	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	103079	20.00	ng	-0.03
86) Perylene-d12	15.19	264	79221	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	442638	129.17	ng	-0.02
7) Phenol-d6	6.33	99	643304	145.29	ng	-0.02
23) Nitrobenzene-d5	7.23	82	308696	72.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	78781	101.34	ng	-0.05
44) 2-Fluorobiphenyl	9.04	172	569762	107.50	ng	-0.03
78) Terphenyl-d14	12.78	244	360352	77.86	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	93489	15.67	ng	99
70) Phenanthrene	11.21	178	72714	9.90	ng	97
71) Anthracene	11.26	178	23222	3.18	ng	99
74) Fluoranthene	12.40	202	151049	20.28	ng	91
77) Pyrene	12.62	202	131522	15.05	ng	99
80) Benzo(a)anthracene	13.81	228	68651m	10.34	ng	
82) Chrysene	13.84	228	58706m	8.94	ng	
85) Indeno(1,2,3-cd)pyrene	16.47	276	24031	4.76	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	71345m	14.36	ng	
88) Benzo(k)fluoranthene	14.82	252	20223m	4.67	ng	
89) Benzo(a)pyrene	15.13	252	44517	10.58	ng	98
91) Benzo(a,h,i)perylene	16.85	276	22564	6.21	ng	96

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

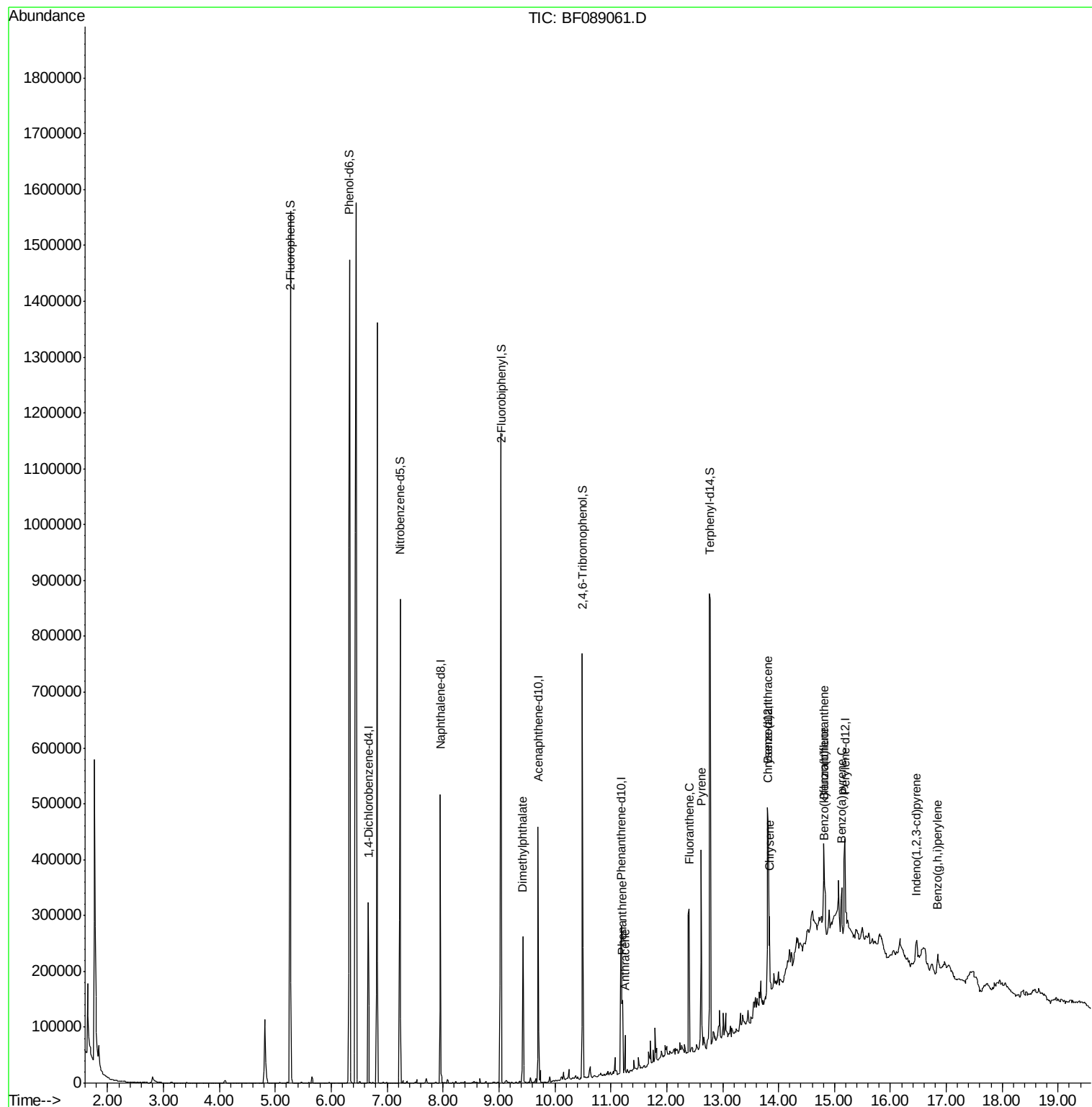
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089061.D
Acq On : 16 Jul 2016 18:12
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ALS Vial : 16 Sample Multiplier: 1

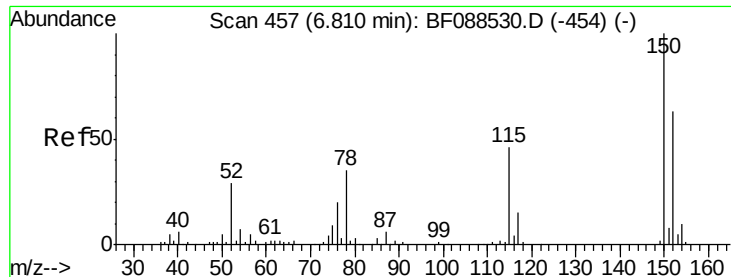
Instrument :
BNA_F
ClientSampleId :
U3-B2(0-11)C

Manual Integrations

Quant Time: Jul 18 02:09:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BF089061.D

Acq: 16 Jul 2016 18:12

Instrument :

BNA_F

ClientSampleId :

U3-B2(0-11)C

Tot Ion:152 Resp: 51356

Ion Ratio Lower Upper

152 100

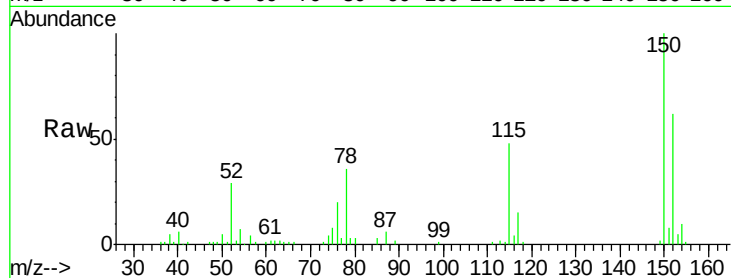
150 160.5 123.8 185.6

115 77.2 39.6 59.4#

Manual Integrations

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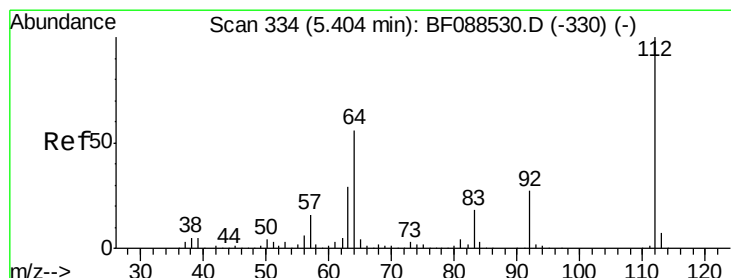
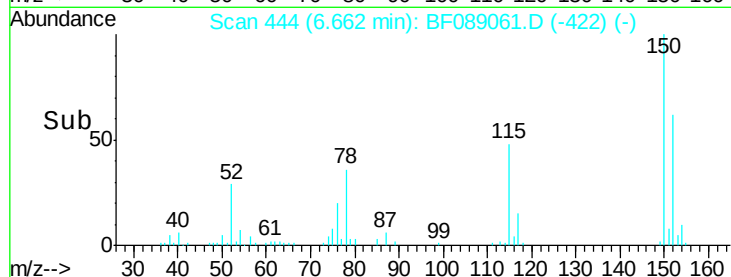
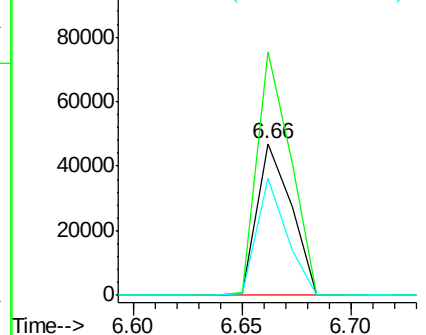
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 129.17 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

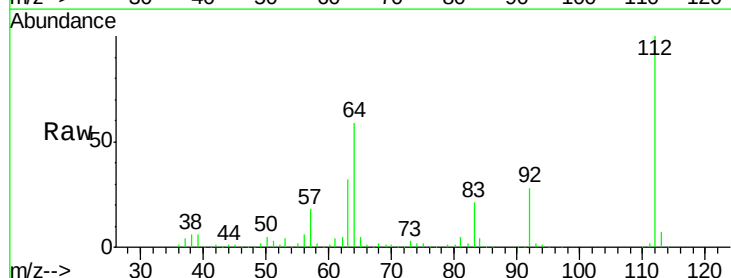
Tgt Ion:112 Resp: 442638

Ion Ratio Lower Upper

112 100

64 59.4 42.2 63.2

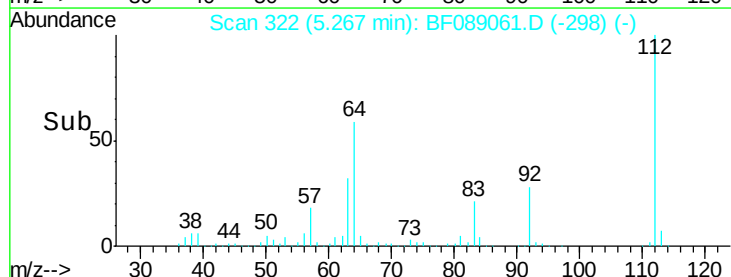
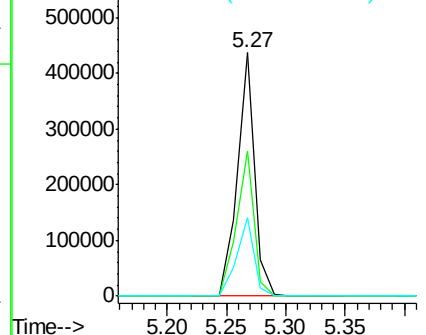
63 32.1 21.8 32.8

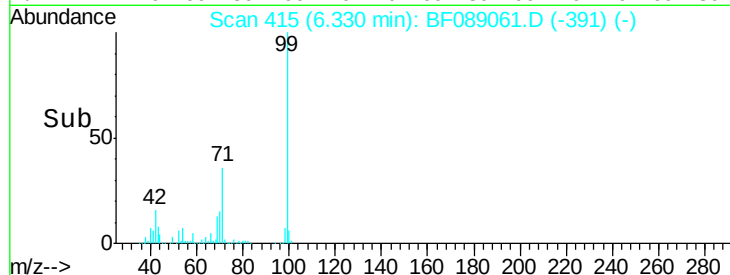
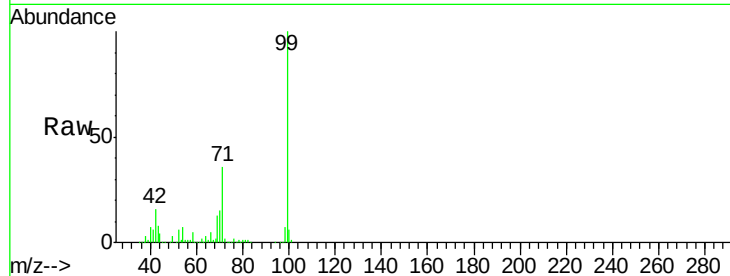
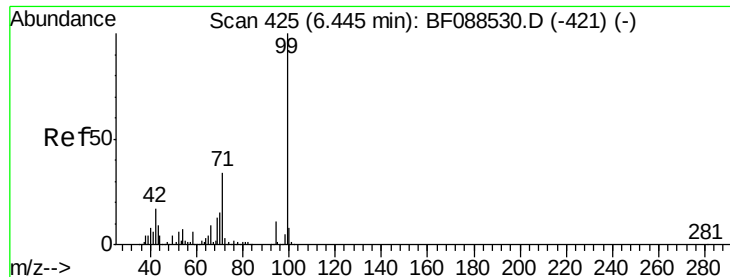


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.29 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Tot Ion:	99	Resp:	643304
Ion Ratio	Lower	Upper	
99	100		
42	16.4	12.2	18.2
71	36.4	23.4	35.0#

Instrument :

BNA_F

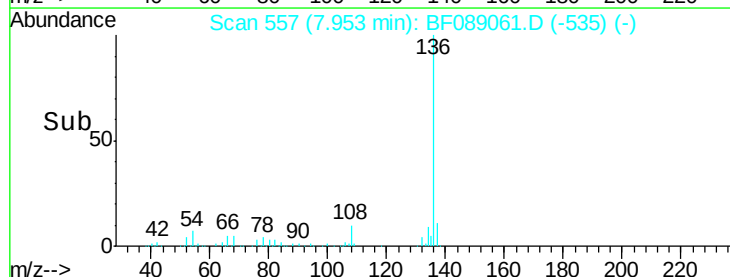
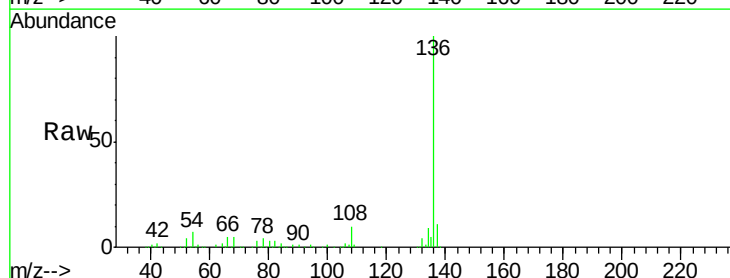
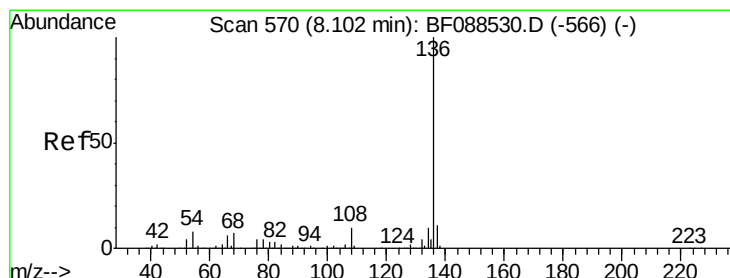
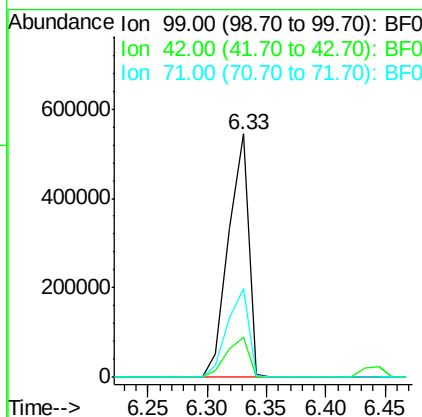
ClientSampleId :

U3-B2(0-11)C

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#21

Naphthalene-d8

Concen: 20.00 ng

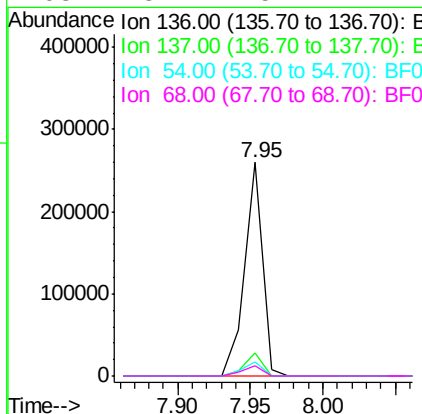
RT: 7.95 min Scan# 557

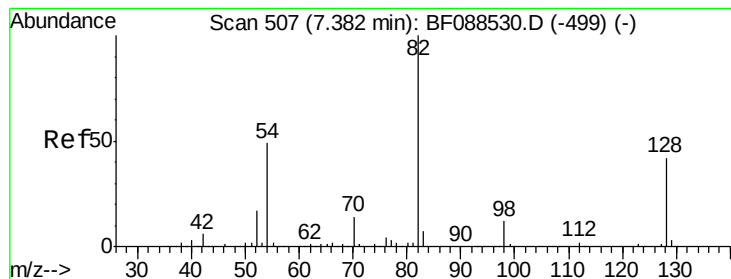
Delta R.T. -0.05 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Tgt Ion:	136	Resp:	222273
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.1	13.7
54	6.5	6.6	10.0#
68	5.1	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 72.78 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Instrument :

BNA_F

ClientSampleId :

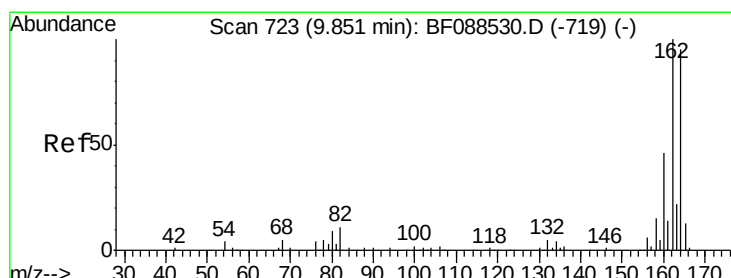
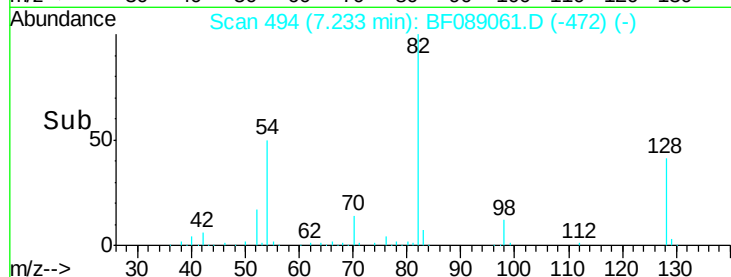
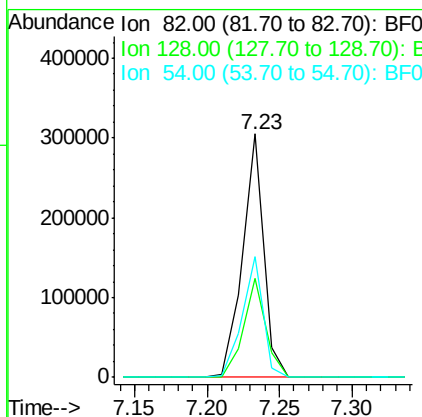
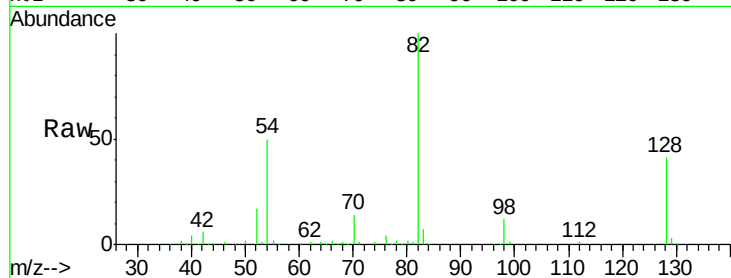
U3-B2(0-11)C

Tot Ion:	82	Resp:	308696
Ion Ratio	Lower	Upper	
82	100		
128	40.7	35.9	53.9
54	49.6	40.9	61.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

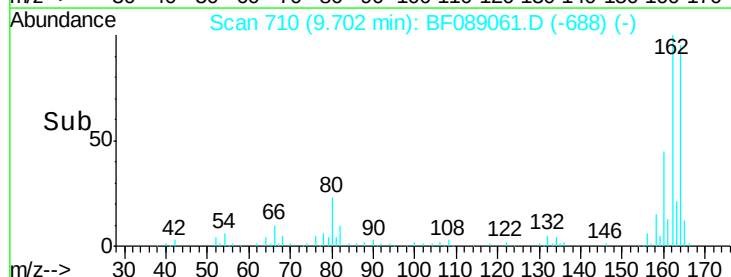
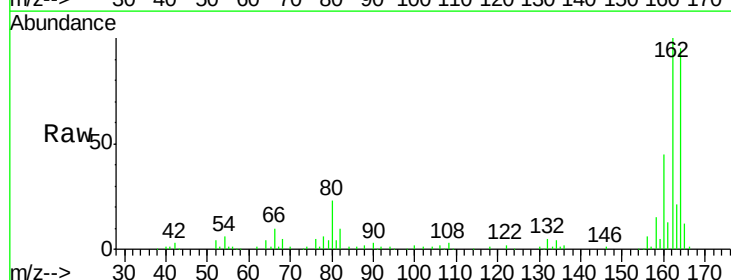
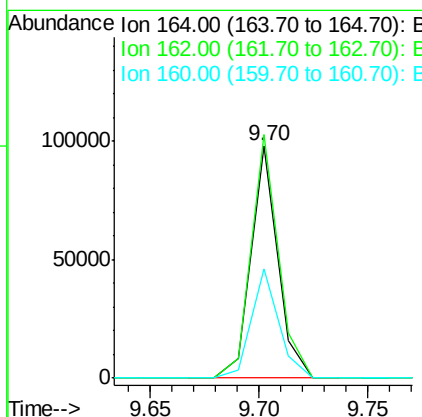
RT: 9.70 min Scan# 710

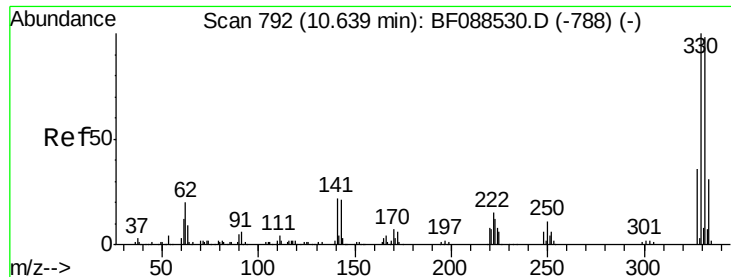
Delta R.T. -0.05 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Tgt Ion:	164	Resp:	83719
Ion Ratio	Lower	Upper	
164	100		
162	104.8	85.4	128.2
160	47.0	39.5	59.3





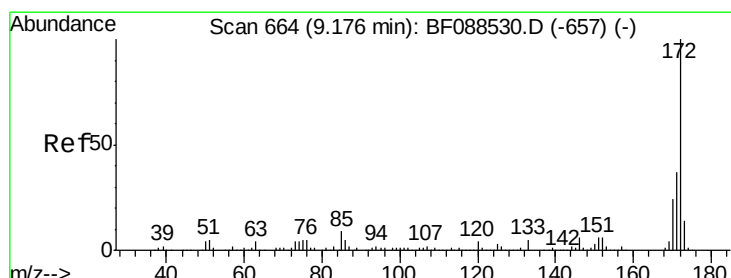
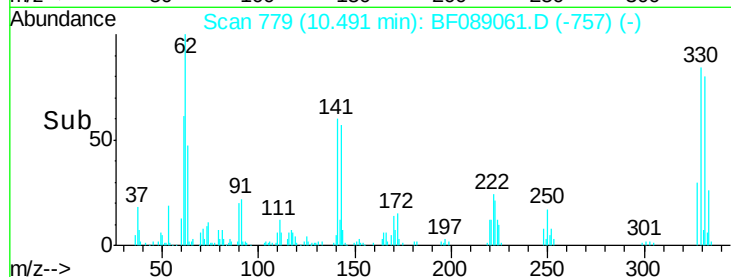
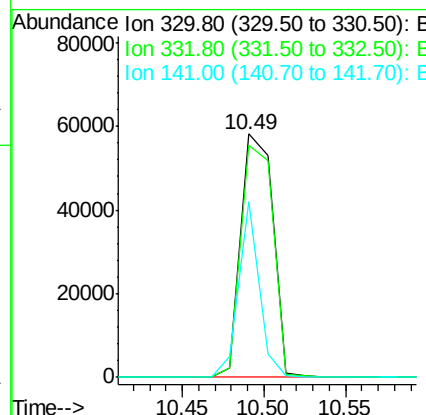
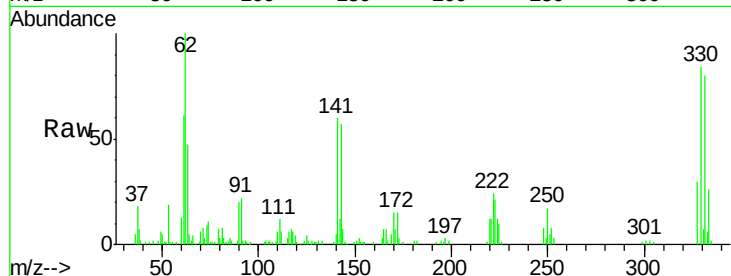
#41
 2,4,6-Tribromophenol
 Concen: 101.34 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089061.D
 Acq: 16 Jul 2016 18:12

Instrument :
 BNA_F
 ClientSampleId :
 U3-B2(0-11)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	46.2	0.0	0.0#

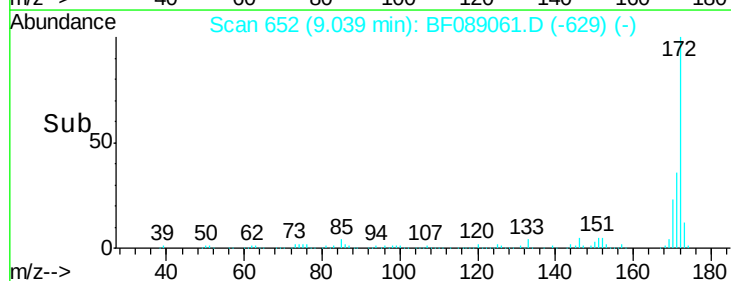
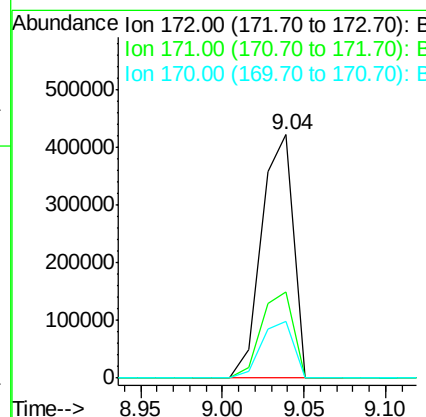
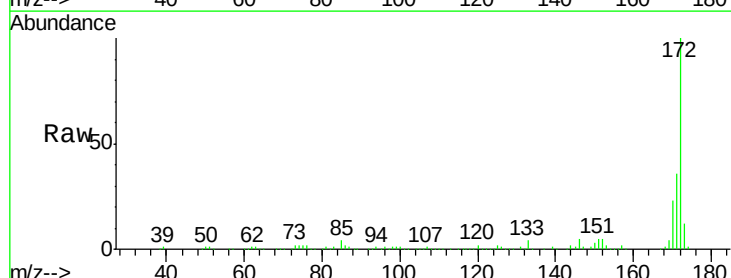
Manual Integrations

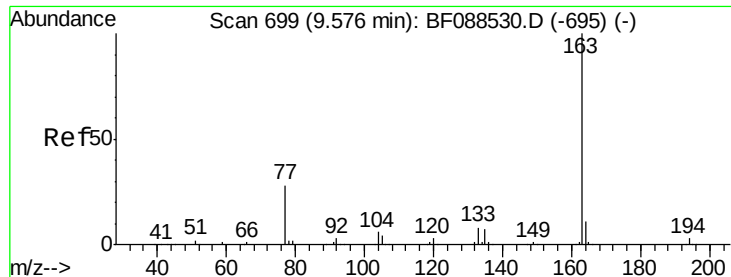
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#44
 2-Fluorobiphenyl
 Concen: 107.50 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089061.D
 Acq: 16 Jul 2016 18:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.1	19.2	28.8





#49

Dimethylphthalate

Concen: 15.67 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.06 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Instrument :

BNA_F

ClientSampleId :

U3-B2(0-11)C

Tot Ion:163 Resp: 93489

Ion Ratio Lower Upper

163 100

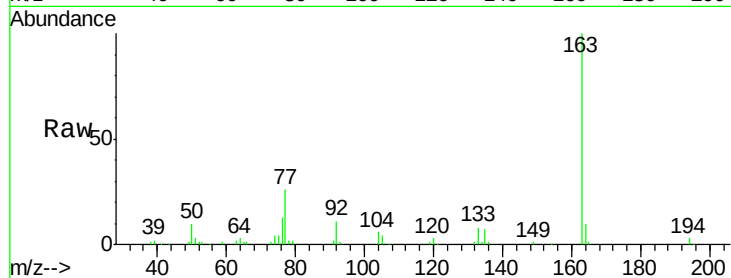
194 3.0 2.8 4.2

164 10.2 8.3 12.5

Manual Integrations

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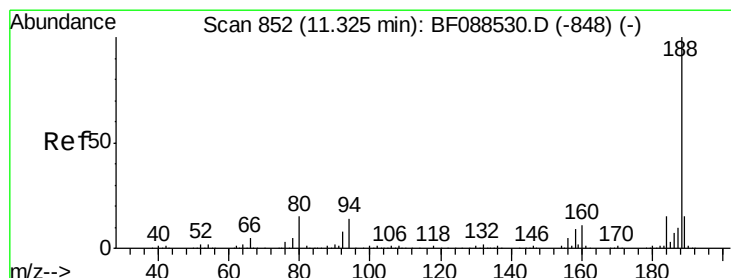
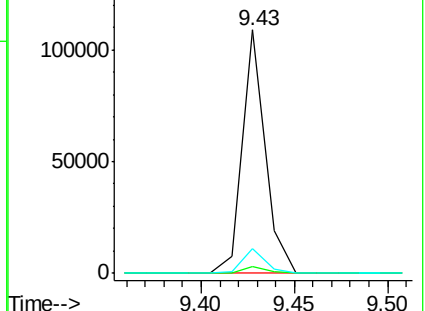
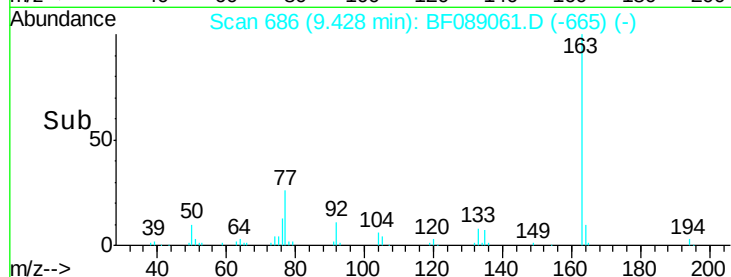
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Abundance Ion 163.00 (162.70 to 163.70): E

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: 11.19 min Scan# 840

Delta R.T. -0.03 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

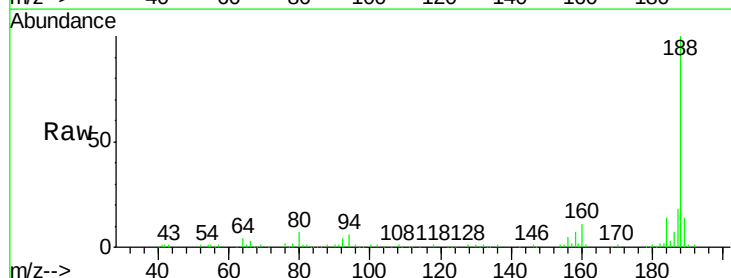
Tgt Ion:188 Resp: 134402

Ion Ratio Lower Upper

188 100

94 6.2 9.0 13.6#

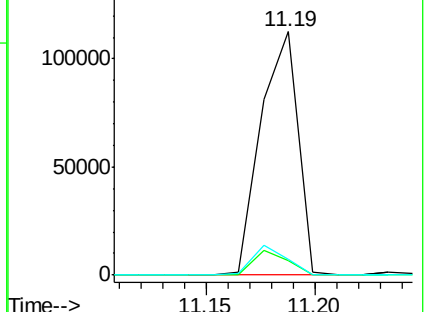
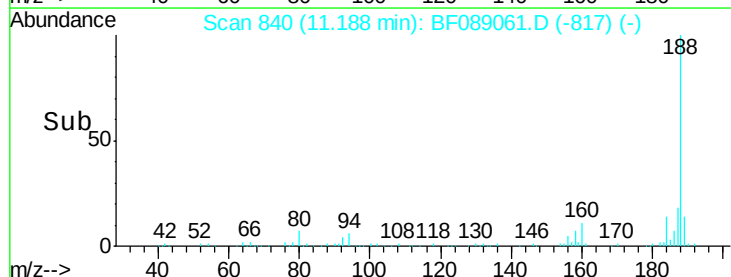
80 6.6 10.0 15.0#

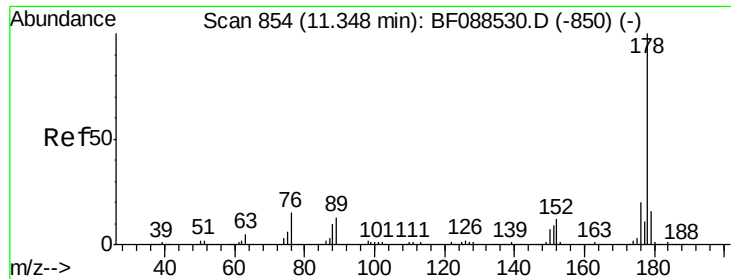


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





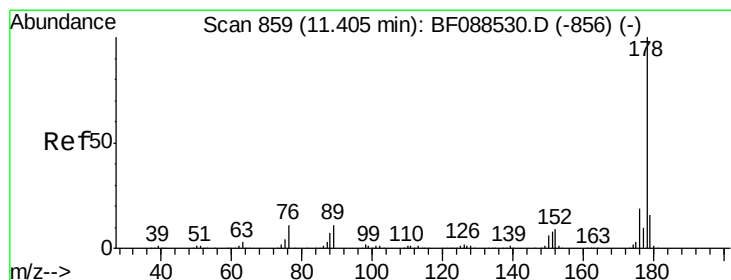
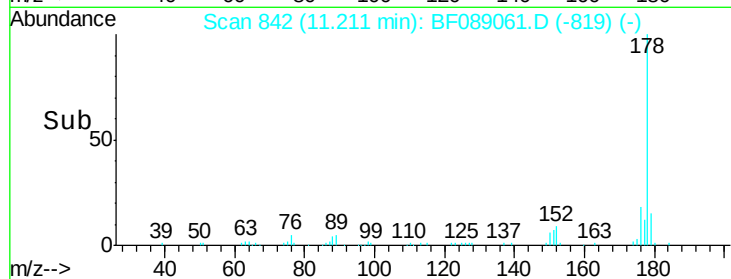
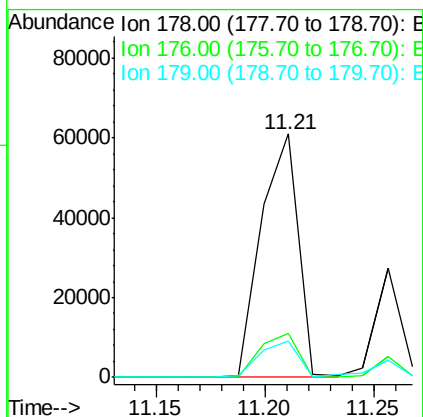
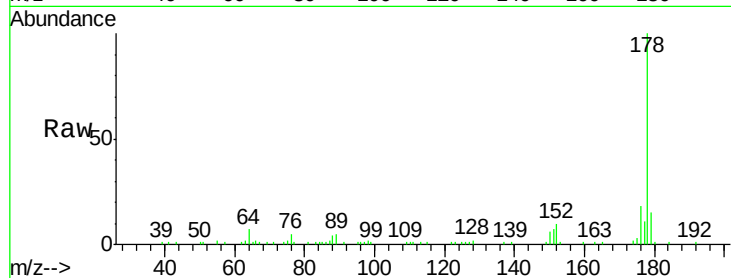
#70
Phenanthrene
Concen: 9.90 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Instrument :
BNA_F
ClientSampleId :
U3-B2(0-11)C

Tot Ion:178 Resp: 72714
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 14.9 13.0 19.4

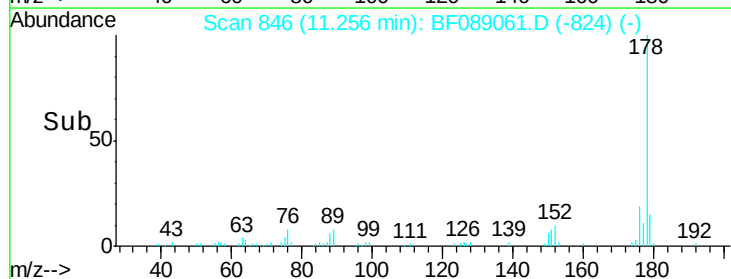
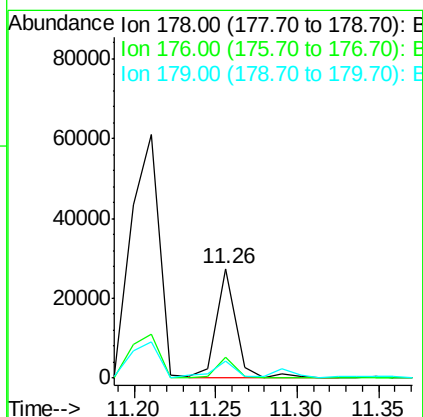
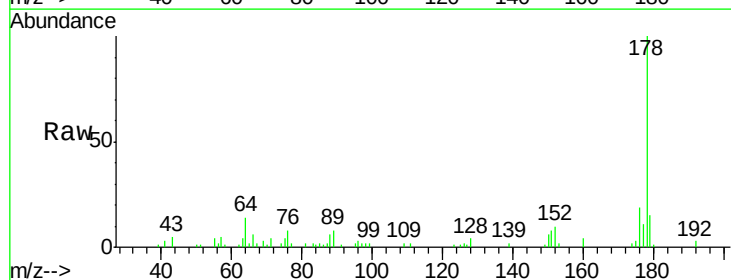
Manual Integrations

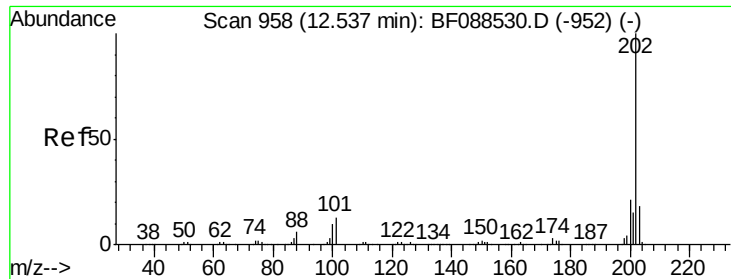
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#71
Anthracene
Concen: 3.18 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Tgt Ion:178 Resp: 23222
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.8 19.2





#74

Fluoranthene

Concen: 20.28 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Instrument :

BNA_F

ClientSampleId :

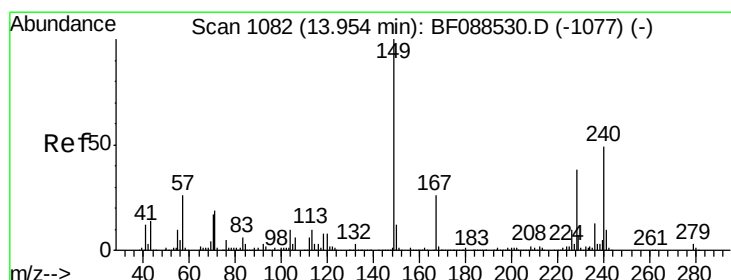
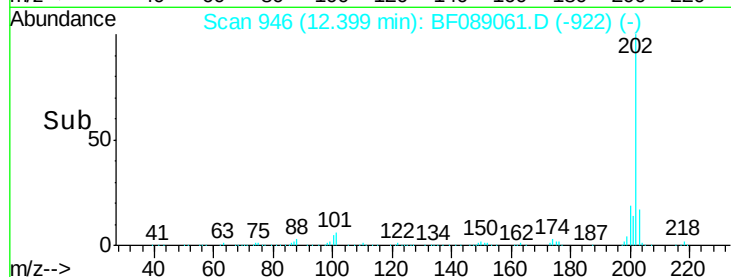
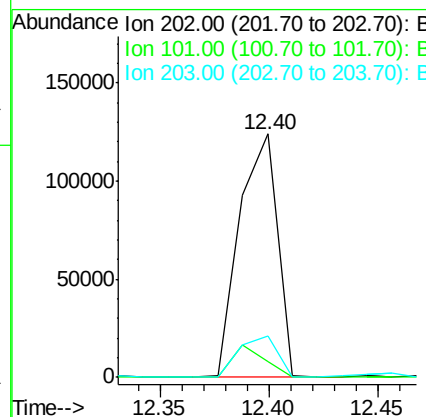
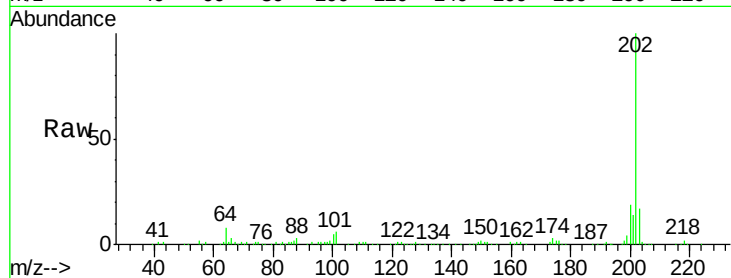
U3-B2(0-11)C

Tot Ion:	202	Resp:	151049
Ion Ratio	Lower	Upper	
202	100		
101	6.5	0.0	33.1
203	16.8	0.0	38.1

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7/18/2016 7:37:46 PM



#75

Chrysene-d12

Concen: 20.00 ng

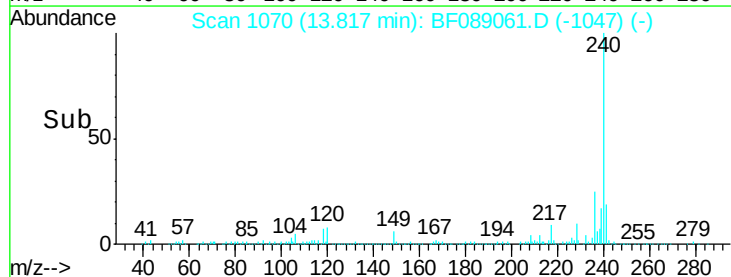
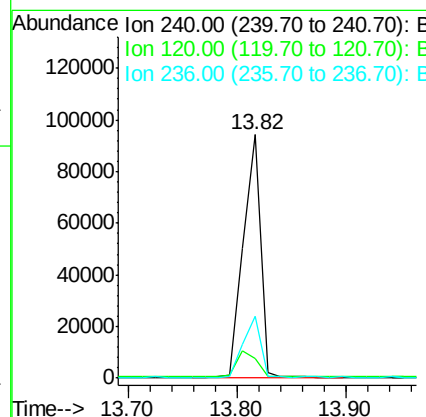
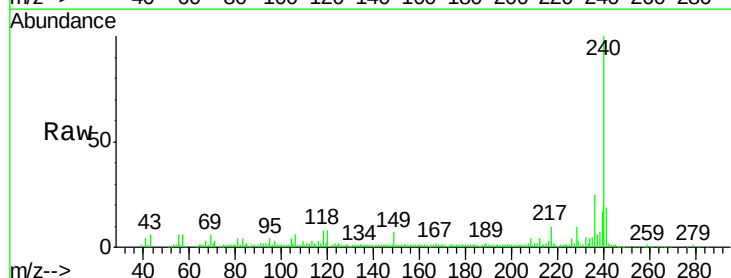
RT: 13.82 min Scan# 1070

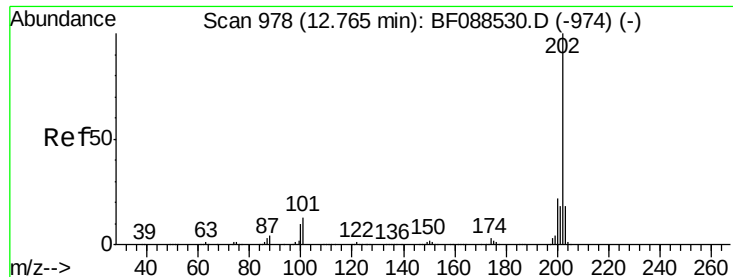
Delta R.T. -0.03 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Tgt Ion:	240	Resp:	103079
Ion Ratio	Lower	Upper	
240	100		
120	8.0	6.8	10.2
236	25.5	20.2	30.2





#77

Pvrene

Concen: 15.05 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Instrument :

BNA_F

ClientSampleId :

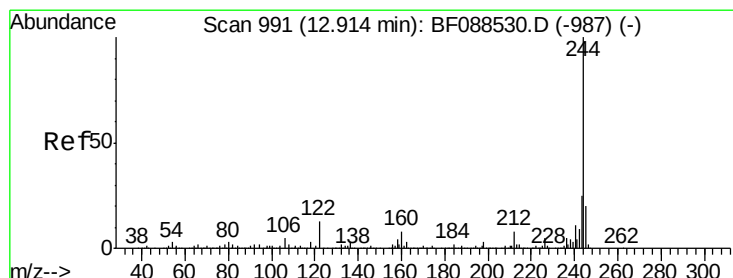
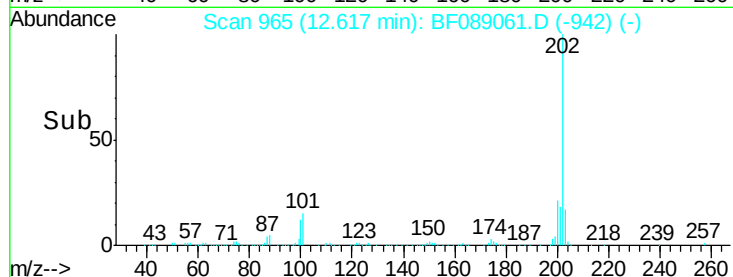
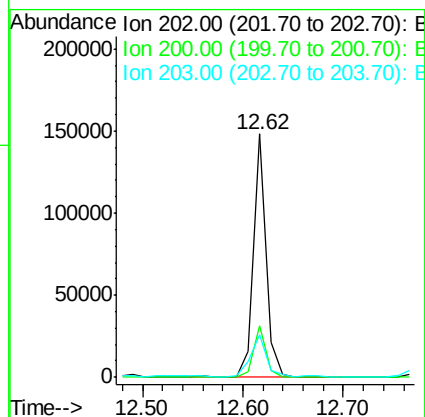
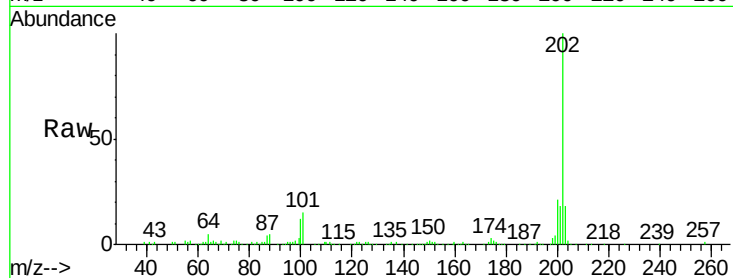
U3-B2(0-11)C

Tot Ion:	202	Resp:	131522
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.7	14.5	21.7

Manual Integrations

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7/18/2016 7:37:46 PM



#78

Terphenyl-d14

Concen: 77.86 ng

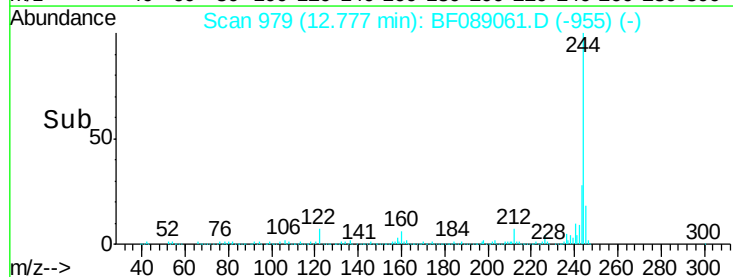
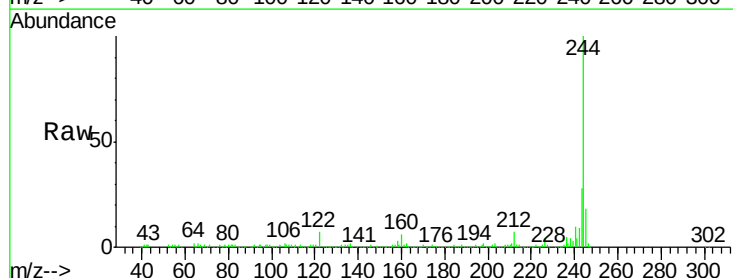
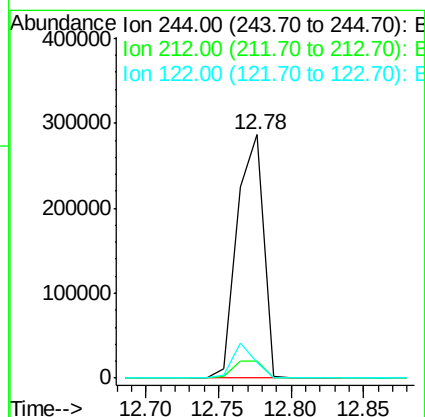
RT: 12.78 min Scan# 979

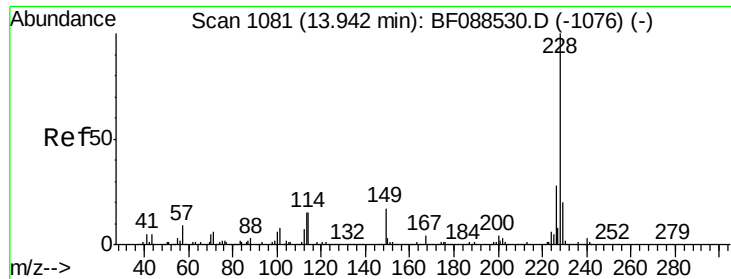
Delta R.T. -0.02 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Tgt Ion:	244	Resp:	360352
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	6.5	11.2	16.8#





#80

Benzo(a)anthracene

Concen: 10.34 ng m

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Instrument :

BNA_F

ClientSampleId :

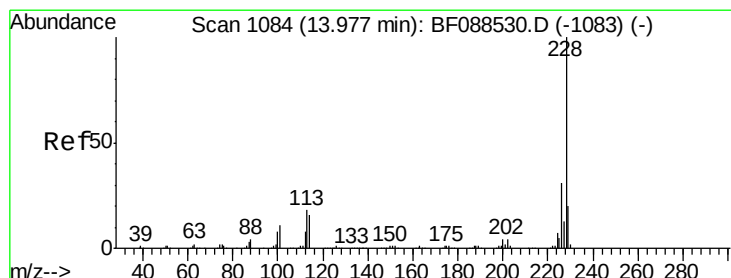
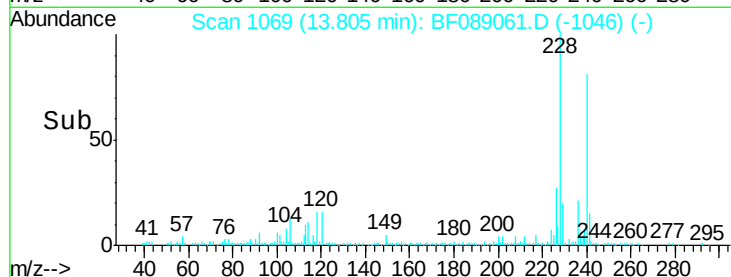
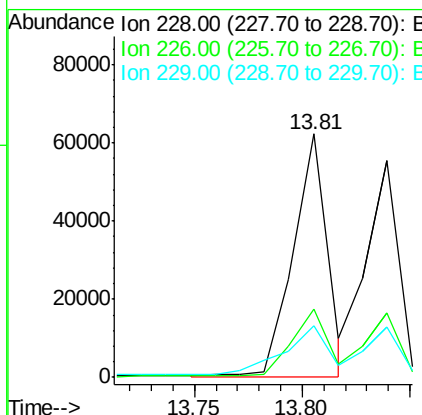
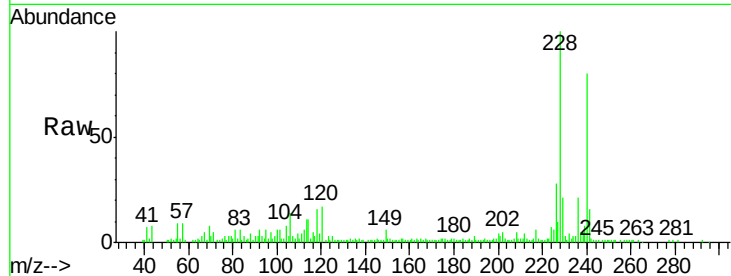
U3-B2(0-11)C

Tot Ion:	228	Resp:	68651
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.3	33.5
229	21.0	16.0	24.0

Manual Integrations

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7/18/2016 7:37:46 PM



#82

Chrysene

Concen: 8.94 ng m

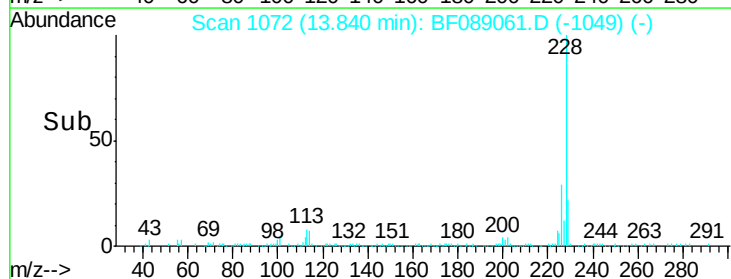
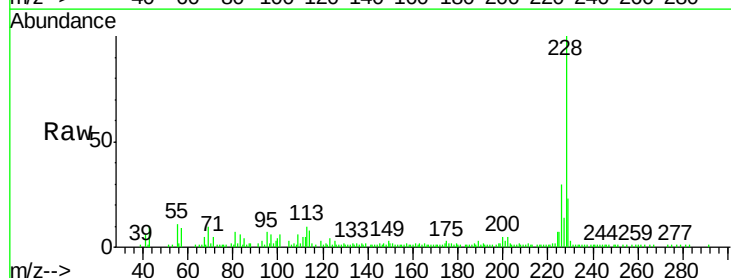
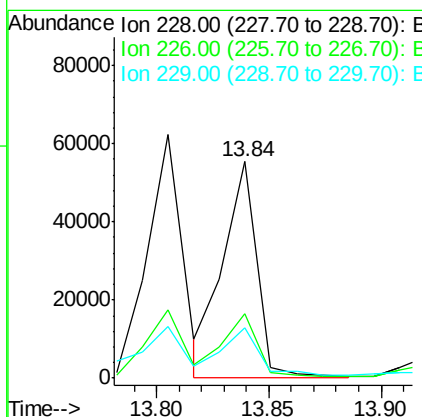
RT: 13.84 min Scan# 1072

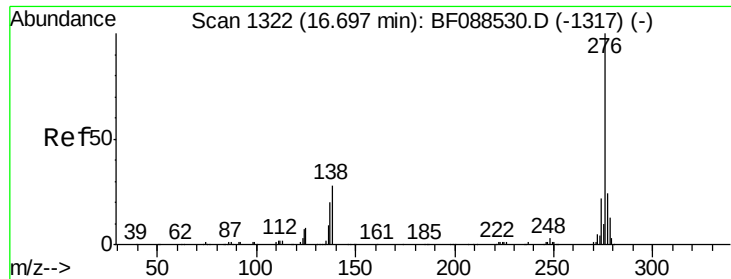
Delta R.T. -0.03 min

Lab File: BF089061.D

Acq: 16 Jul 2016 18:12

Tgt Ion:	228	Resp:	58706
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.4	38.2
229	23.0	16.3	24.5





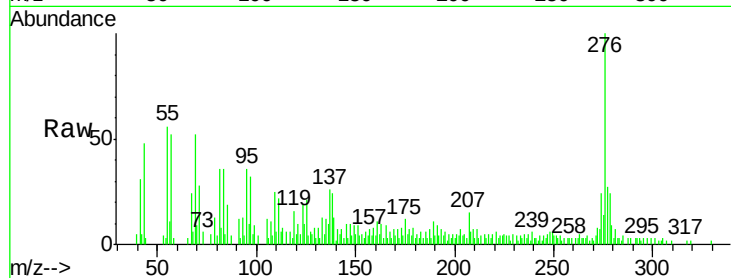
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.76 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.03 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Instrument :
BNA_F
ClientSampleId :
U3-B2(0-11)C

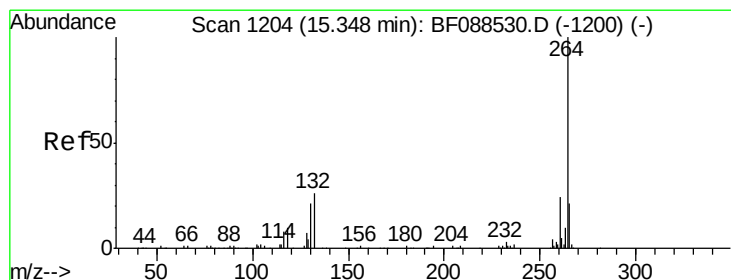
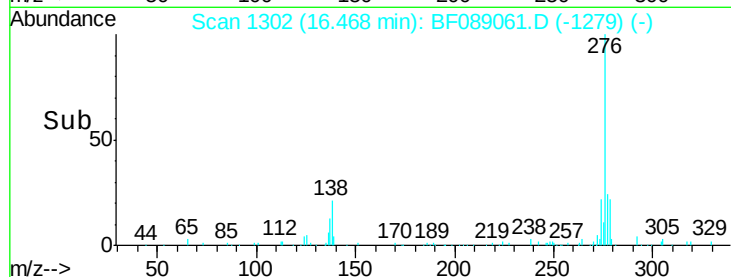
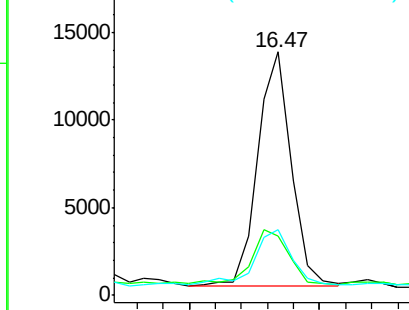
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	0.0	0.0#
277	26.8	0.0	0.0#

Manual Integrations

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7/18/2016 7:37:46 PM

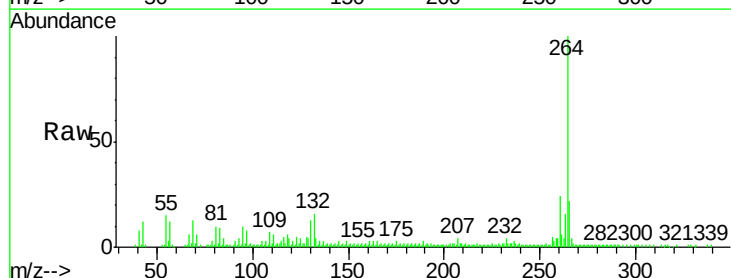


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

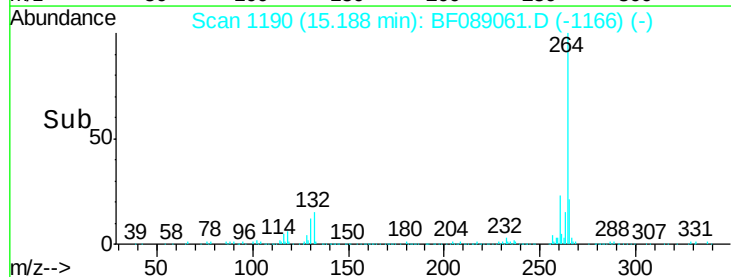
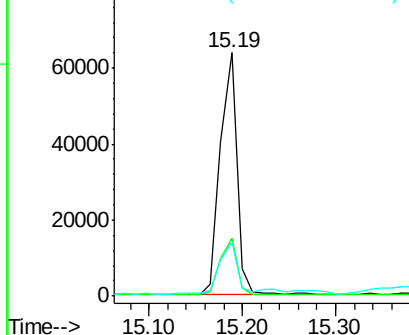


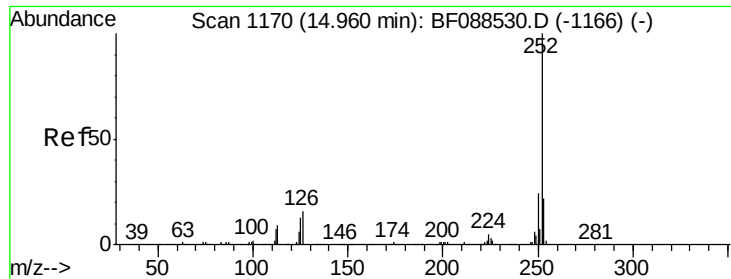
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	16.9	25.3



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





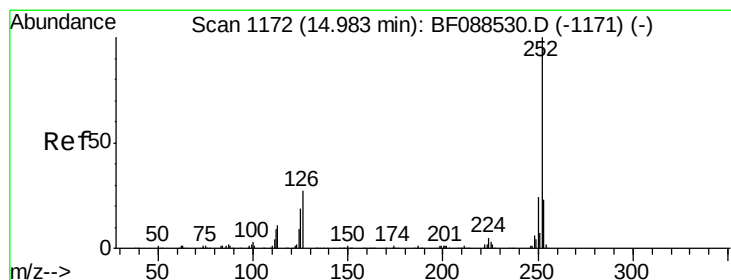
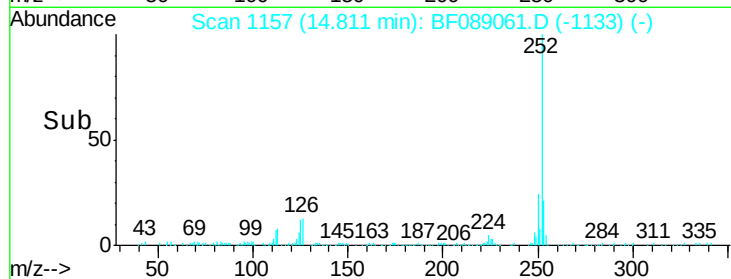
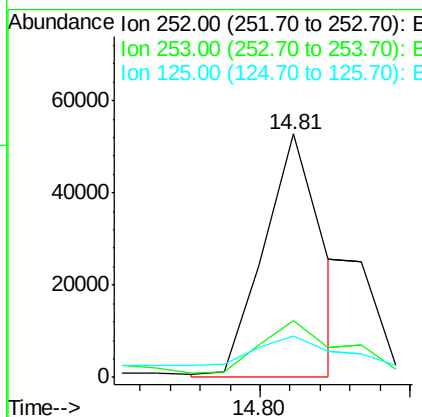
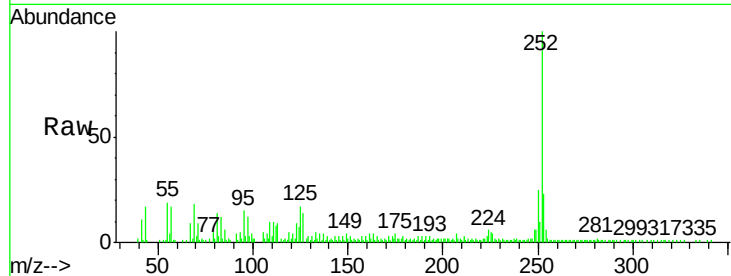
#87
Benzo(b)fluoranthene
Concen: 14.36 ng m
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Instrument :
BNA_F
ClientSampleId :
U3-B2(0-11)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	17.0	7.1	10.7

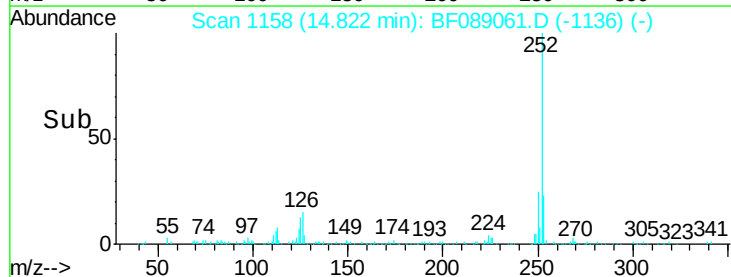
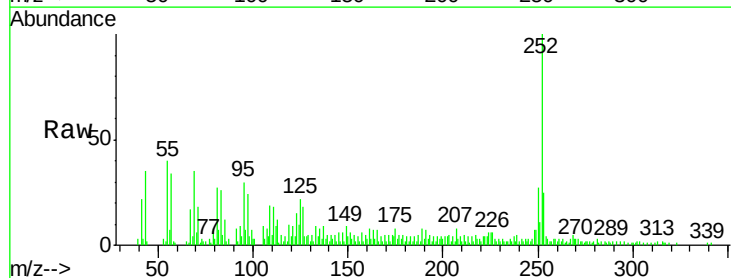
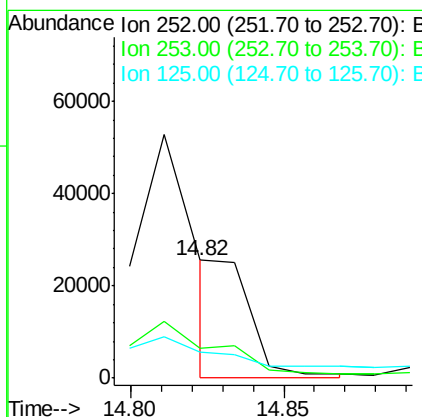
Manual Integrations

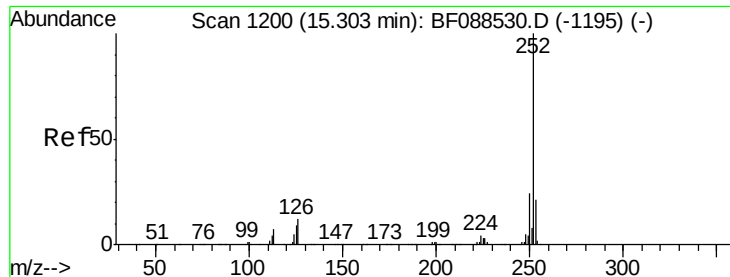
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7/18/2016 7:37:46 PM



#88
Benzo(k)fluoranthene
Concen: 4.67 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.05 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	22.2	11.2	16.8





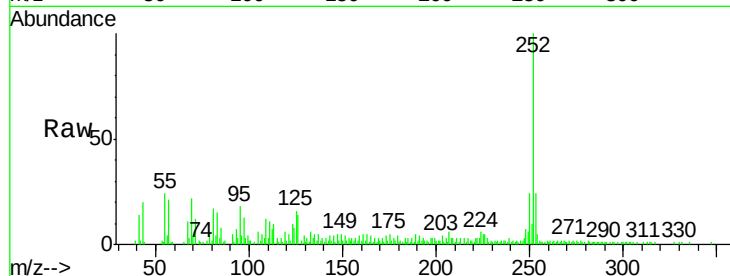
#89
Benzo(a)pyrene
Concen: 10.58 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Instrument :
BNA_F
ClientSampleId :
U3-B2(0-11)C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	15.8	12.5	18.7

Manual Integrations

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7/18/2016 7:37:46 PM

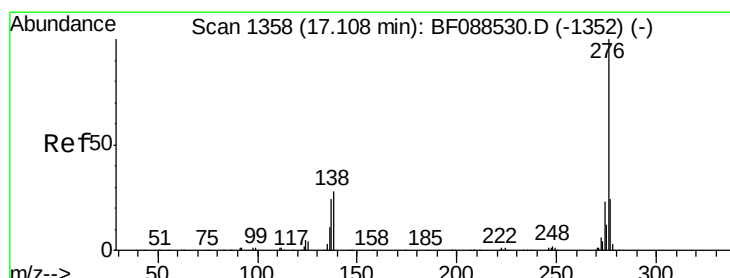
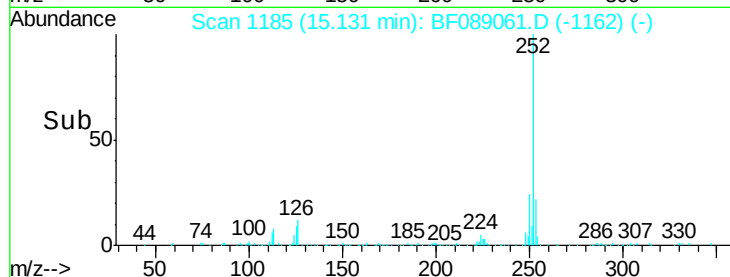
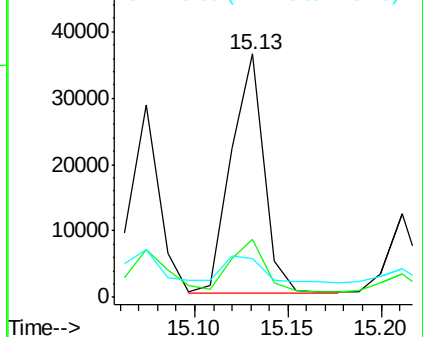


Abundance

Ion 252.00 (251.70 to 252.70): E

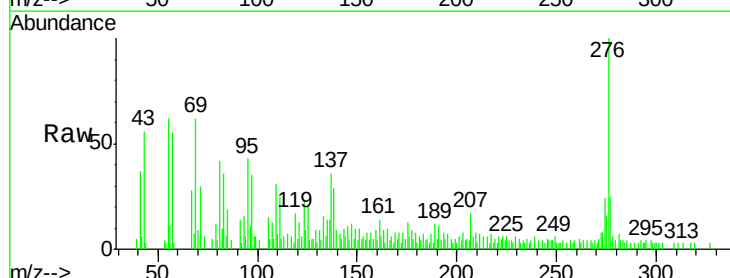
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.21 ng
RT: 16.85 min Scan# 1335
Delta R.T. -0.05 min
Lab File: BF089061.D
Acq: 16 Jul 2016 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.9	28.3
138	28.9	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

