

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
 Data File : BF088927.D
 Acq On : 12 Jul 2016 16:53
 Operator : UM/SJ
 Sample : H3889-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Manual Integrations

APPROVED
 SOHIL
 7/13/2016 9:25:35 AM

Quant Time: Jul 13 11:29:43 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	6.71	152	75979	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	274717	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	110276	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	153540	20.00	ng	-0.01
75) Chrysene-d12	13.84	240	135538	20.00	ng	-0.01
86) Perylene-d12	15.22	264	133507	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	366511	72.30	ng	0.00
7) Phenol-d6	6.35	99	534967	81.67	ng	0.00
23) Nitrobenzene-d5	7.27	82	280128	53.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	75386	73.62	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	502980	72.05	ng	0.00
78) Terphenyl-d14	12.80	244	237319	39.00	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.60	152	31731	2.78	ng	99
49) Dimethylphthalate	9.47	163	521412	66.37	ng	99
70) Phenanthrene	11.23	178	34581	4.12	ng	98
71) Anthracene	11.29	178	28881	3.46	ng	100
74) Fluoranthene	12.42	202	151350	17.79	ng	99
77) Pyrene	12.65	202	166815	14.52	ng	99
80) Benzo(a)anthracene	13.83	228	128512	14.72	ng	93
82) Chrysene	13.86	228	99920m	11.57	ng	
83) Bis(2-ethylhexyl)phthalate	13.84	149	81223	13.88	ng	98
85) Indeno(1,2,3-cd)pyrene	16.50	276	91427	13.76	ng	# 100
87) Benzo(b)fluoranthene	14.85	252	234356m	27.98	ng	
88) Benzo(k)fluoranthene	14.86	252	34305m	4.71	ng	
89) Benzo(a)pyrene	15.17	252	139968m	19.74	ng	
90) Dibenzo(a,h)anthracene	16.51	278	22908	3.87	ng	# 88
91) Benzo(a,h,i)perylene	16.89	276	105600	17.23	ng	99

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

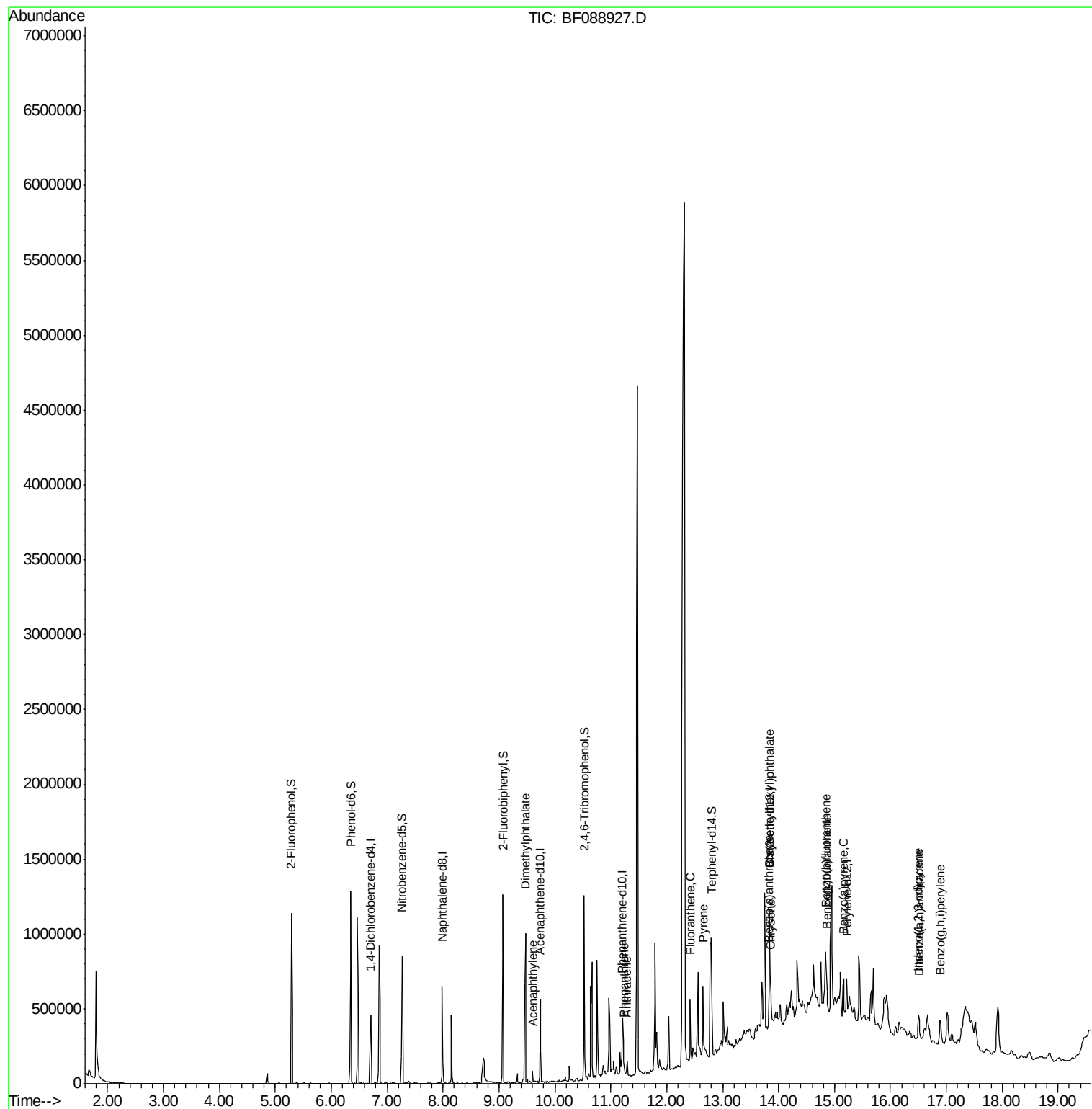
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071216\
Data File : BF088927.D
Acq On : 12 Jul 2016 16:53
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Quant Time: Jul 13 11:29:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

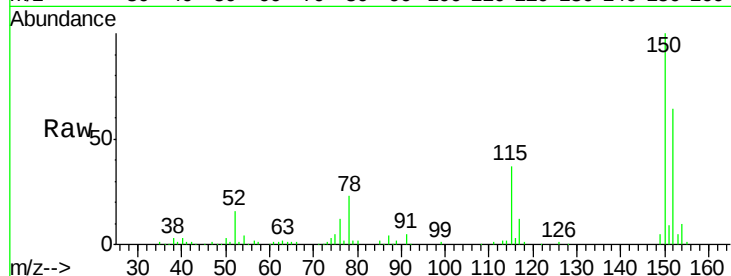
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampleId :
SS-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.8	185.6
115	58.1	39.6	59.4

Manual Integrations

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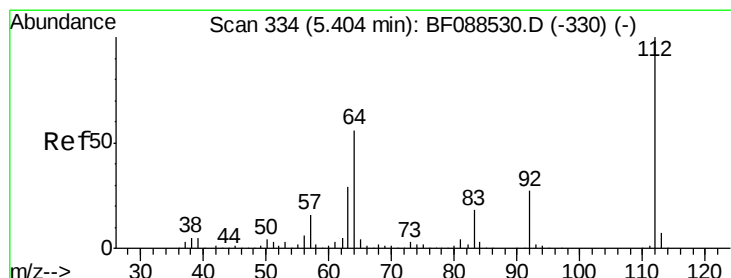
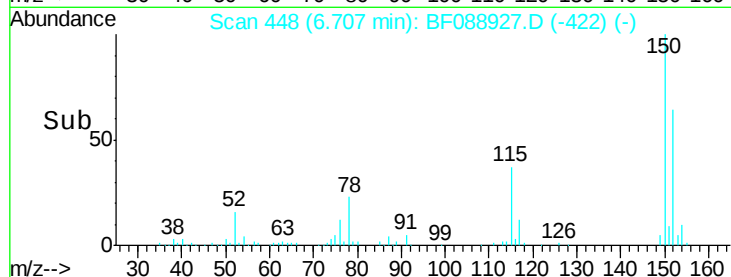
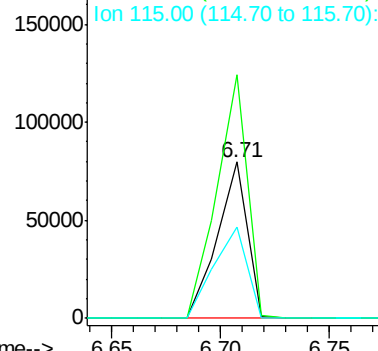


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

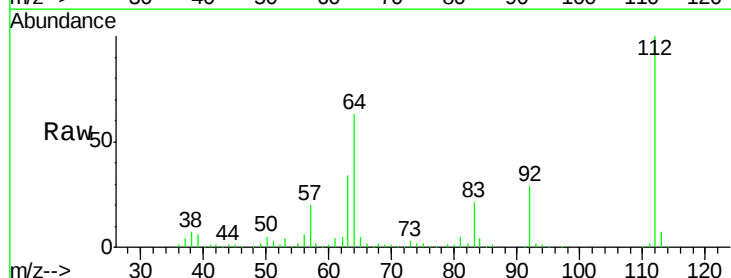
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.30 ng
RT: 5.29 min Scan# 324
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	42.2	63.2
63	33.5	21.8	32.8

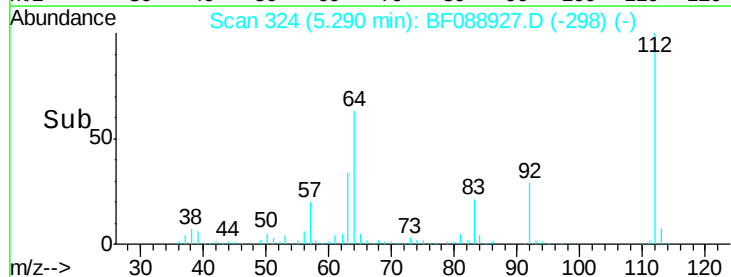
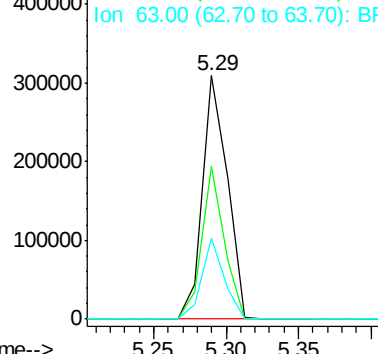


Abundance

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: 81.67 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tot Ion: 99 Resp: 534967

Ion Ratio Lower Upper

99 100

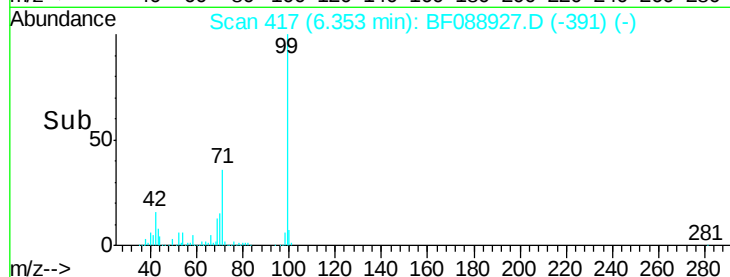
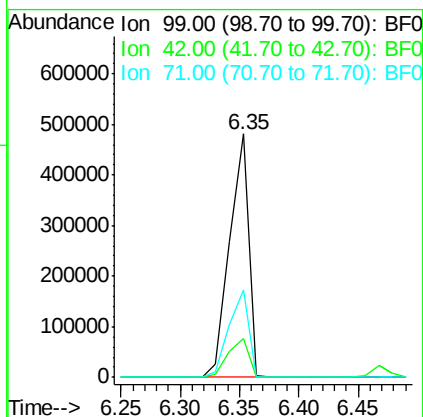
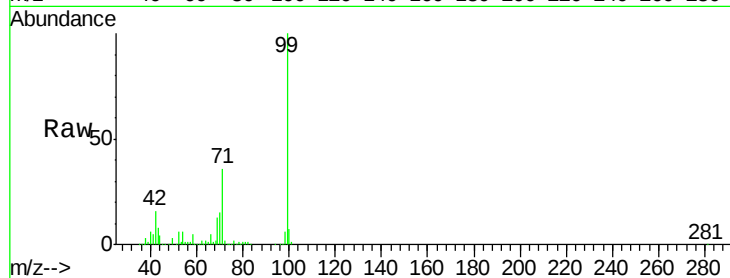
42 15.9 12.2 18.2

71 35.7 23.4 35.0#

Manual Integrations

SOHIL

7/13/2016 9:25:35 AM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Tgt Ion: 136 Resp: 274717

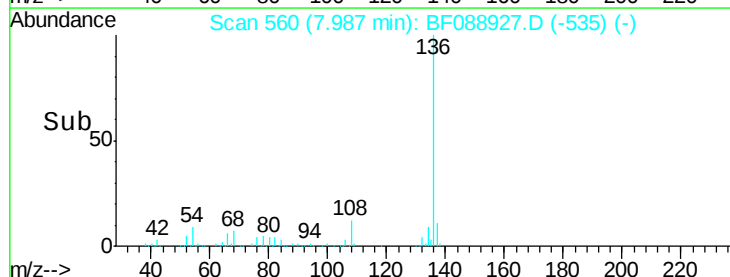
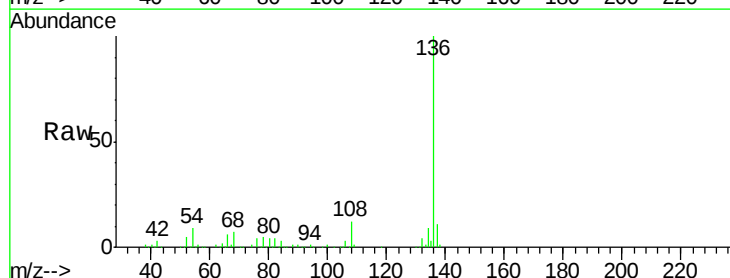
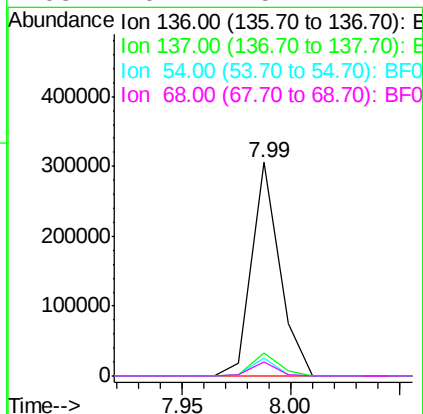
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 8.6 6.6 10.0

68 6.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 53.44 ng

RT: 7.27 min Scan# 497

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampled :

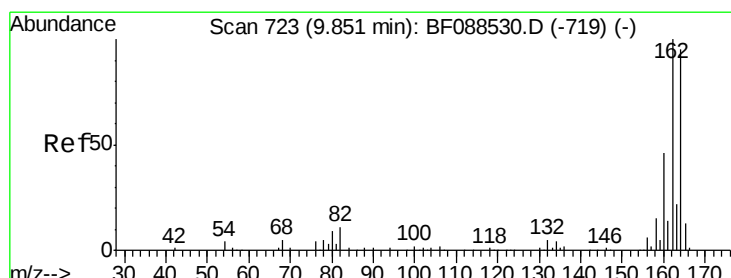
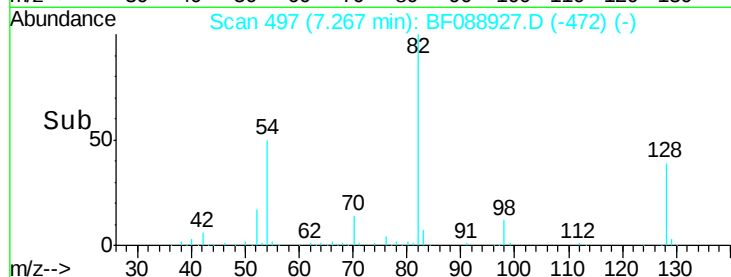
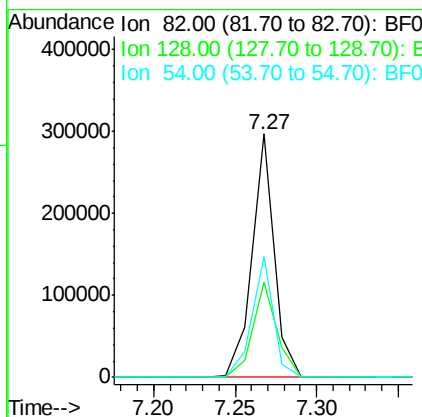
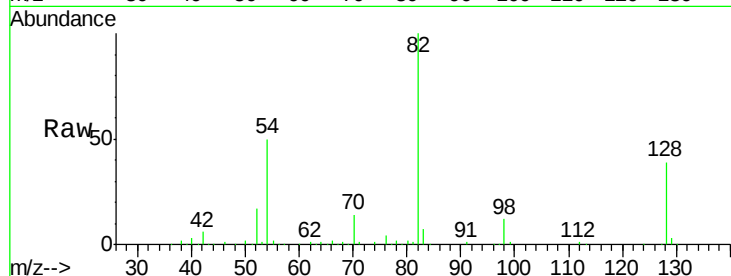
SS-11

Tot Ion:	82	Resp:	280128
Ion Ratio	Lower	Upper	
82	100		
128	39.2	35.9	53.9
54	49.5	40.9	61.3

Manual Integrations

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#38

Acenaphthene-d10

Concen: 20.00 ng

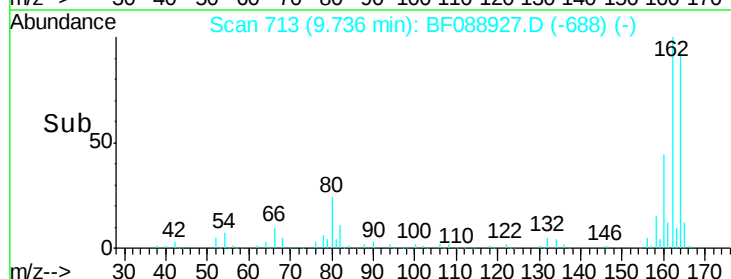
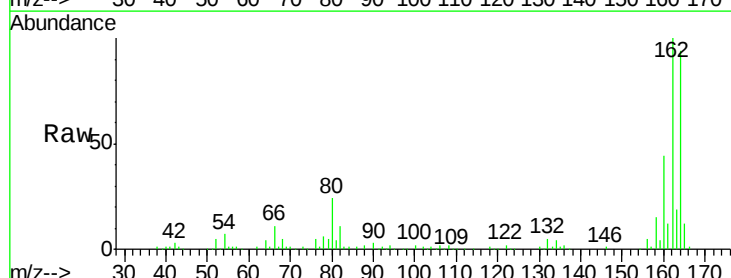
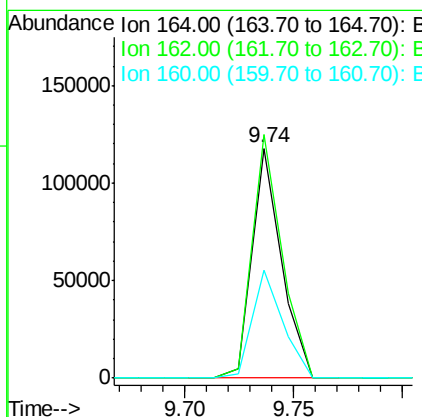
RT: 9.74 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Tgt Ion:	164	Resp:	110276
Ion Ratio	Lower	Upper	
164	100		
162	106.0	85.4	128.2
160	46.9	39.5	59.3





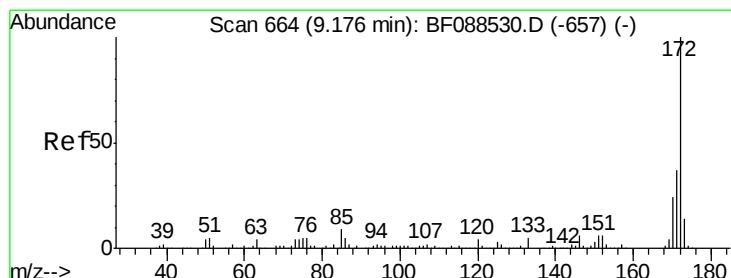
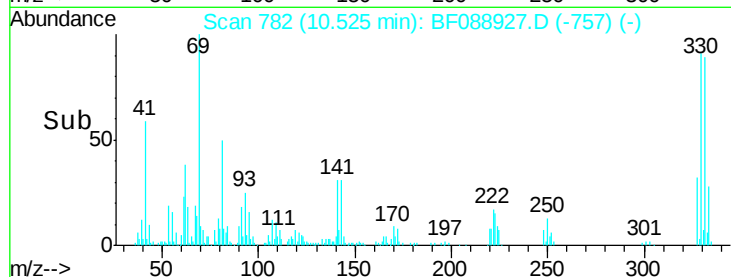
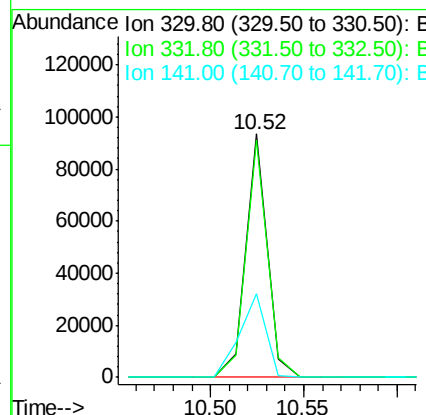
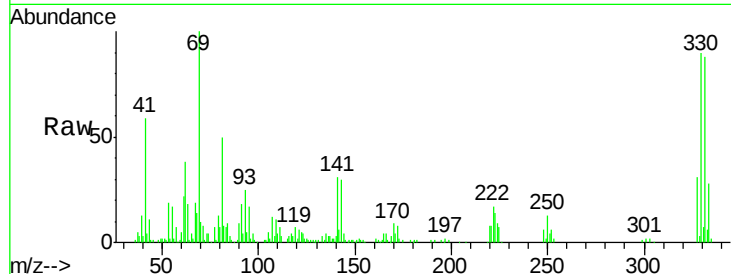
#41
 2,4,6-Tribromophenol
 Concen: 73.62 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	0.0	0.0#
141	41.7	0.0	0.0#

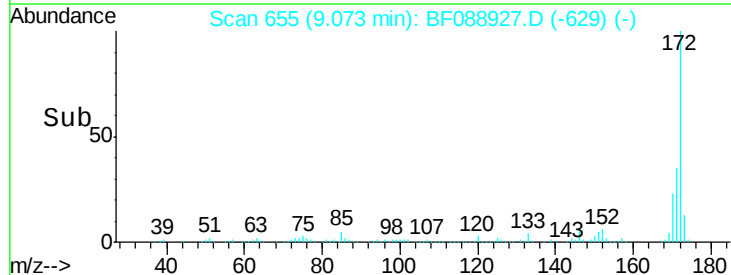
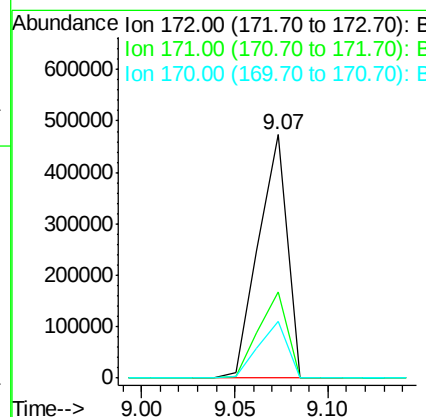
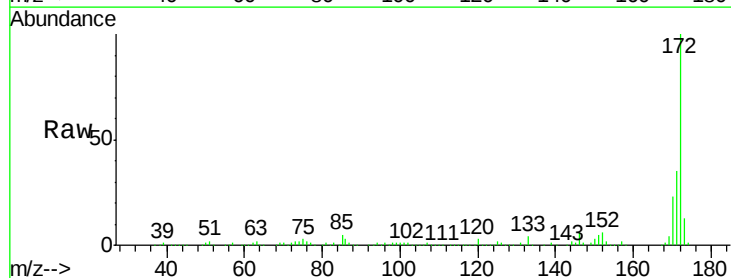
Manual Integrations

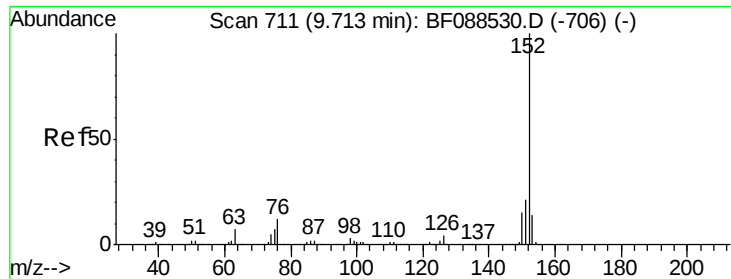
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 7/13/2016 9:25:35 AM



#44
 2-Fluorobiphenyl
 Concen: 72.05 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.4	19.2	28.8





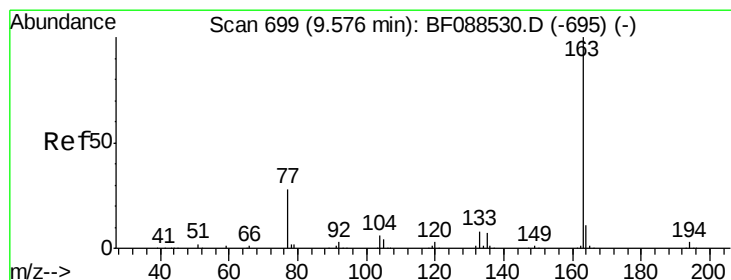
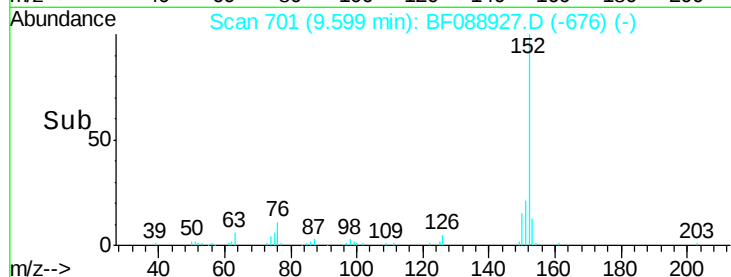
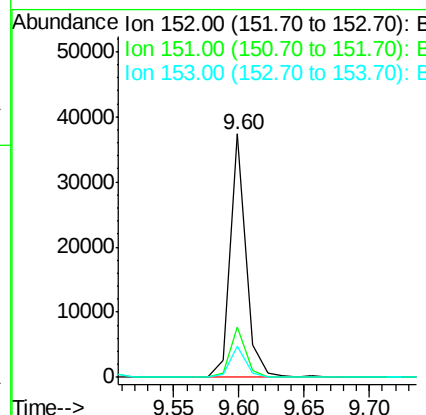
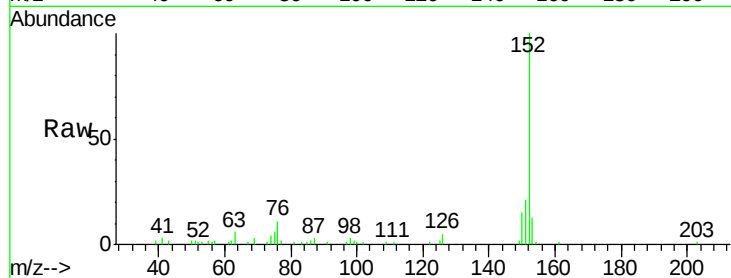
#48
Acenaphthylene
Concen: 2.78 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampleId :
SS-11

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4
153	13.0	11.0	16.6

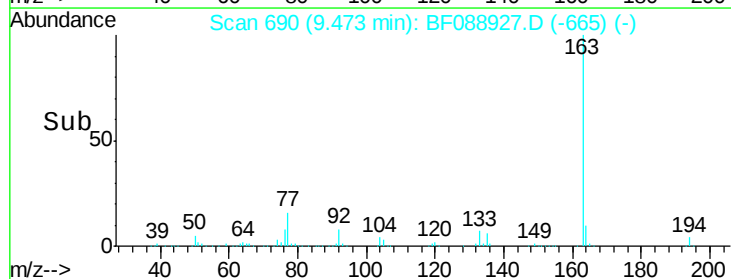
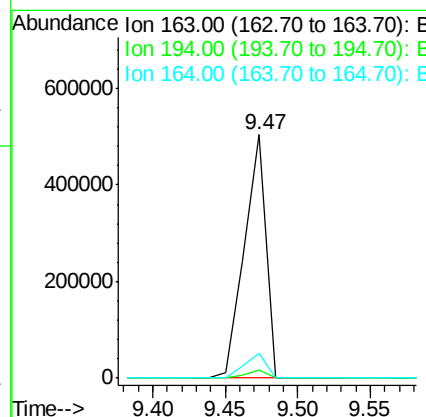
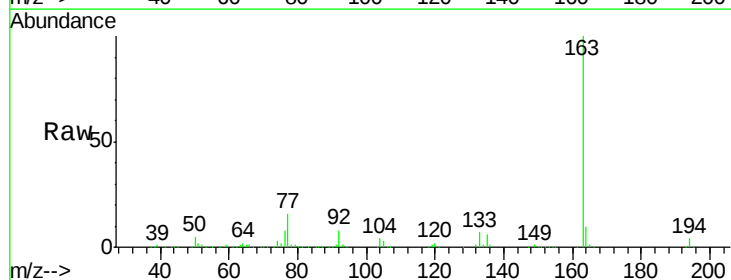
Manual Integrations

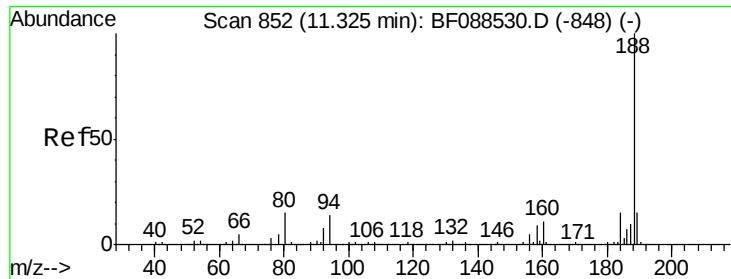
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#49
Dimethylphthalate
Concen: 66.37 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.0	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

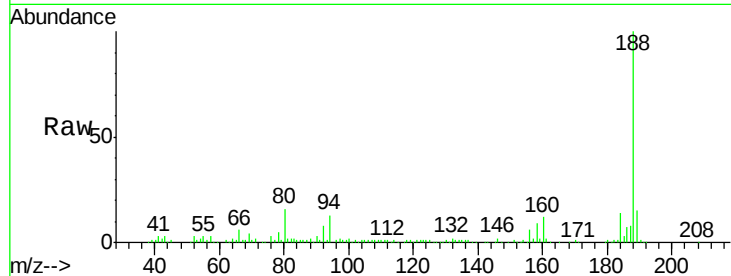
SS-11

Tot Ion:	188	Resp:	153540
Ion Ratio	Lower	Upper	
188	100		
94	13.3	9.0	13.6
80	15.5	10.0	15.0

Manual Integrations

SOHIL

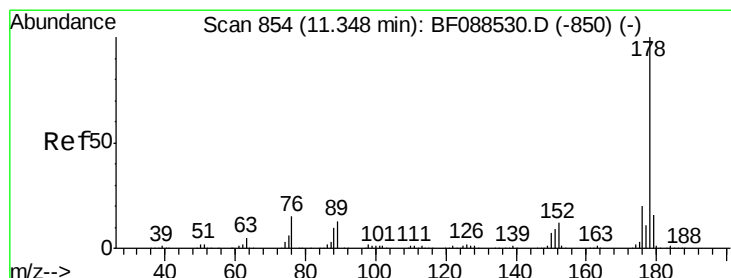
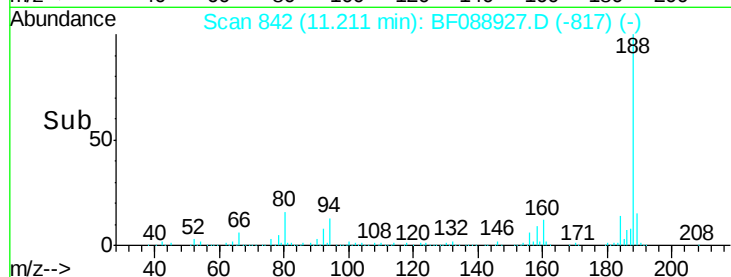
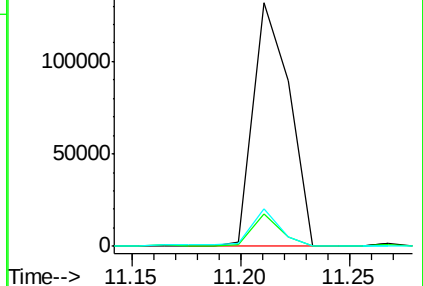
7/13/2016 9:25:35 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.12 ng

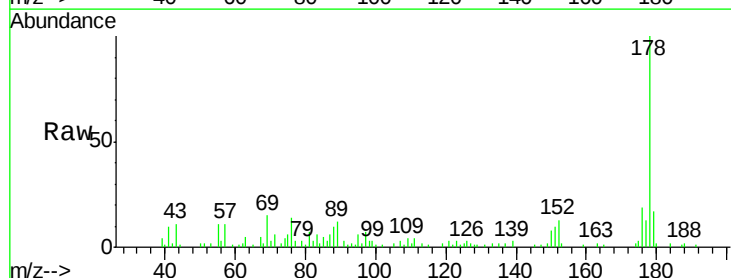
RT: 11.23 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

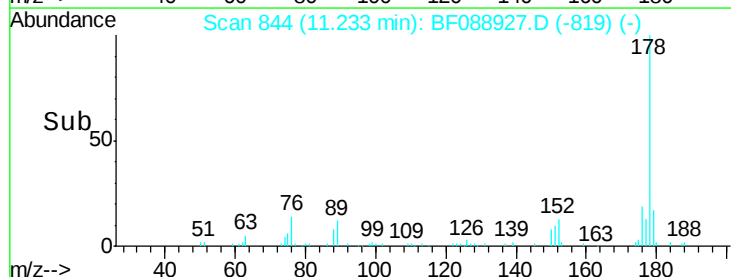
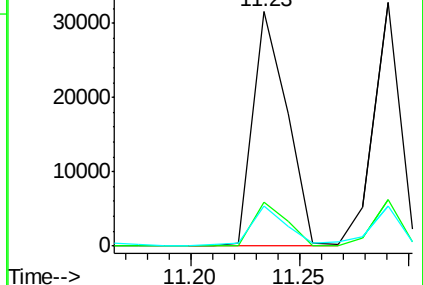
Tgt Ion:	178	Resp:	34581
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.6
179	16.9	13.0	19.4

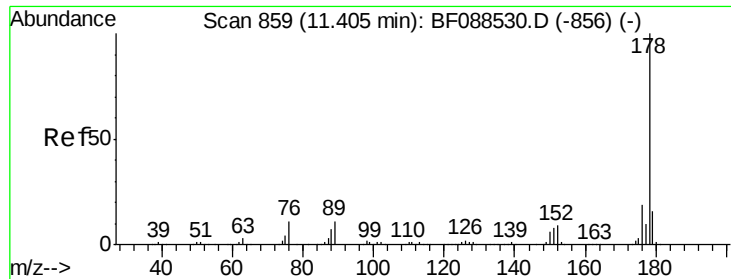


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.46 ng

RT: 11.29 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tot Ion:178 Resp: 28881

Ion Ratio Lower Upper

178 100

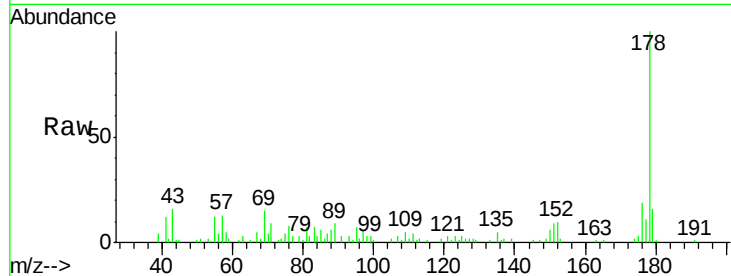
176 19.3 15.6 23.4

179 16.3 12.8 19.2

Manual Integrations

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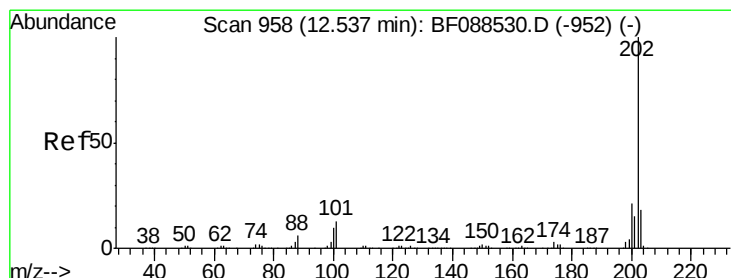
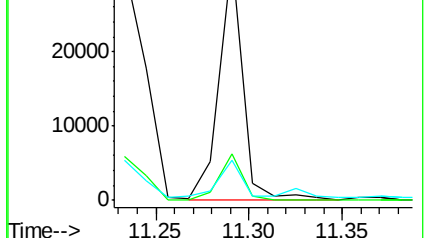
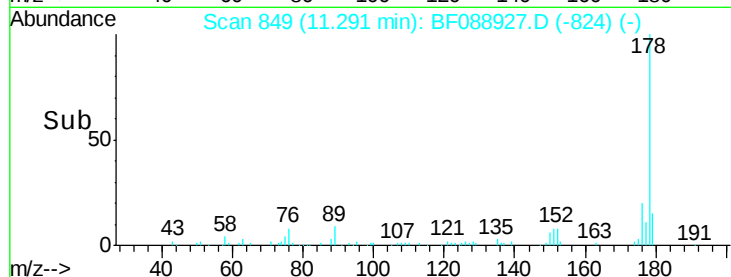
7/13/2016 9:25:35 AM



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: 17.79 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

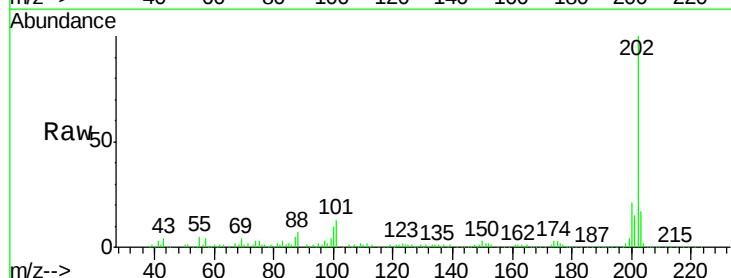
Tgt Ion:202 Resp: 151350

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.1

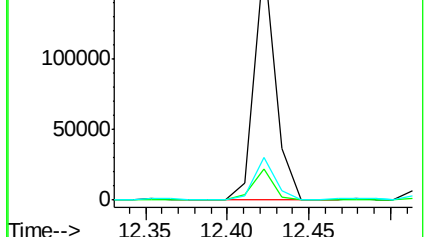
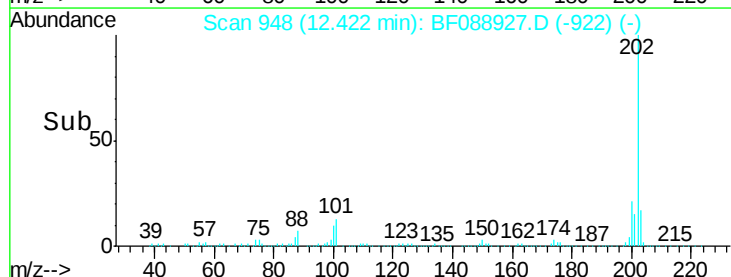
203 17.4 0.0 38.1

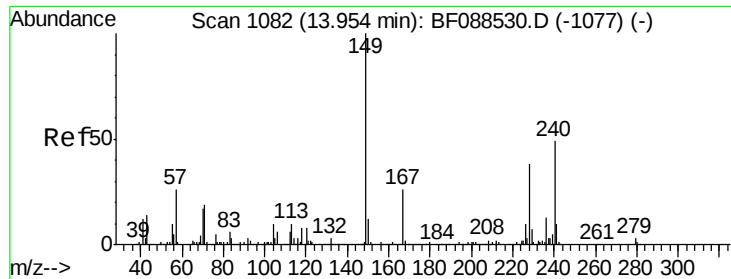


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tot Ion:240 Resp: 135538

Ion Ratio Lower Upper

240 100

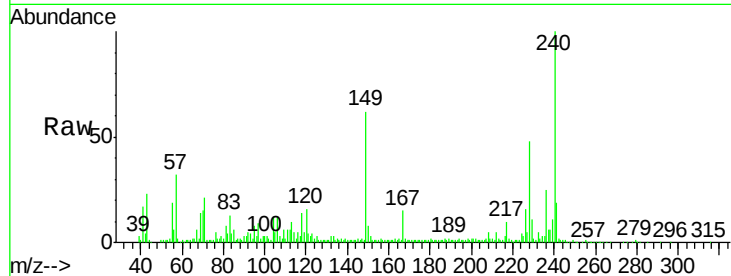
120 16.0 6.8 10.2#

236 25.2 20.2 30.2

Manual Integrations

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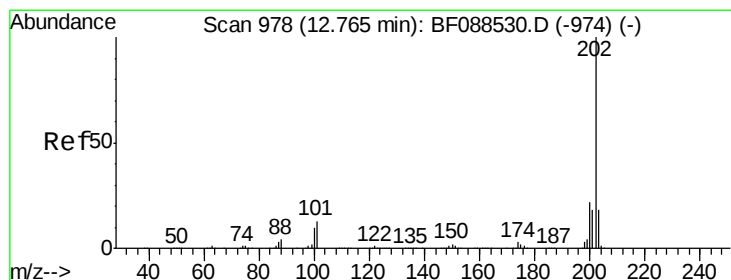
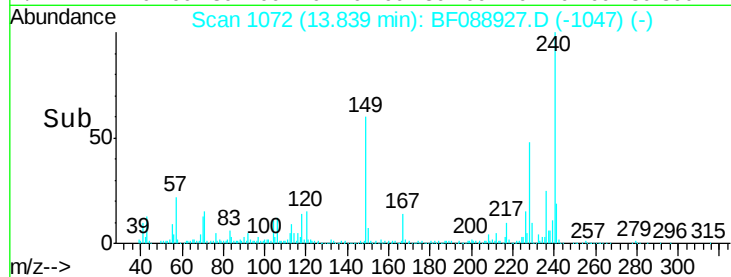
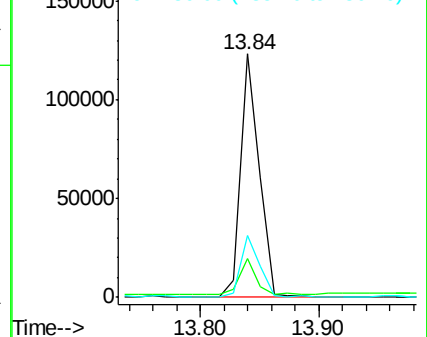
7/13/2016 9:25:35 AM



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: 14.52 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

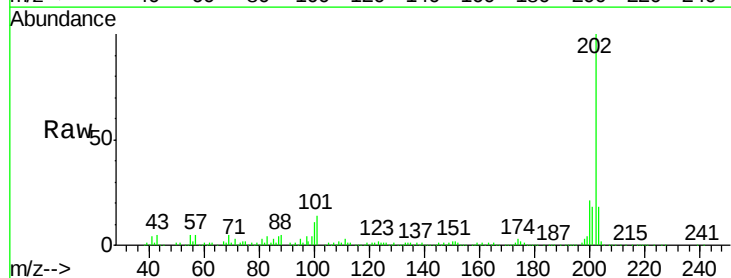
Tgt Ion:202 Resp: 166815

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

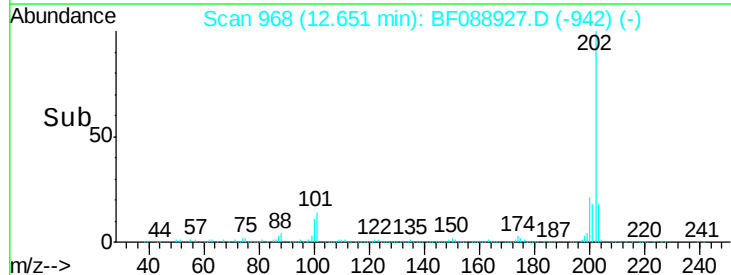
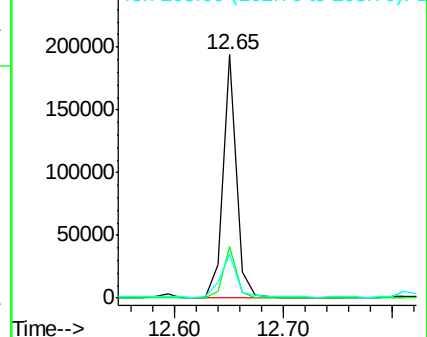
203 17.9 14.5 21.7



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: 39.00 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

SS-11

Tot Ion:244 Resp: 237319

Ion Ratio Lower Upper

244 100

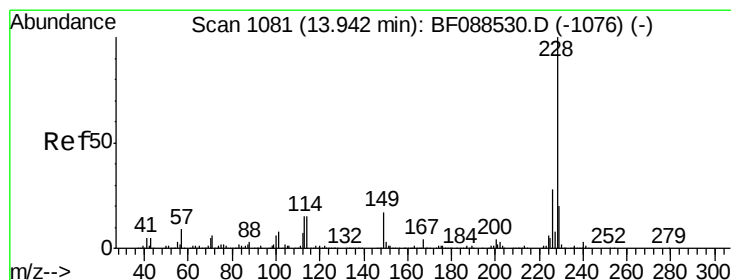
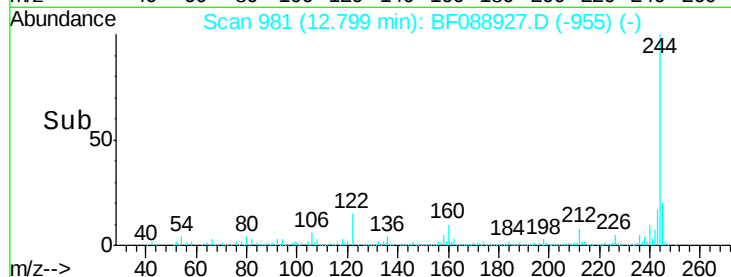
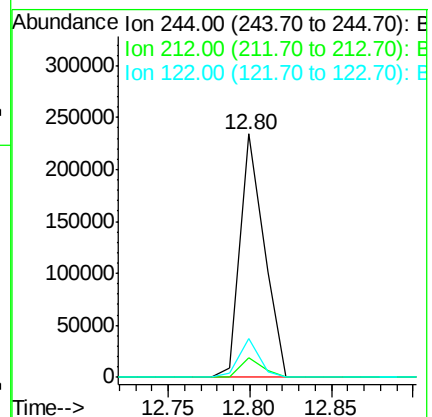
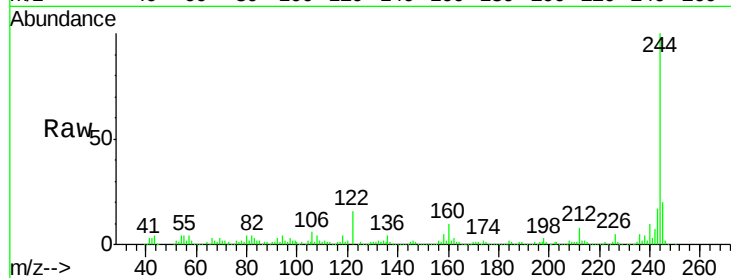
212 8.0 6.0 9.0

122 15.7 11.2 16.8

Manual Integrations

SOHIL

7/13/2016 9:25:35 AM



#80

Benzo(a)anthracene

Concen: 14.72 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

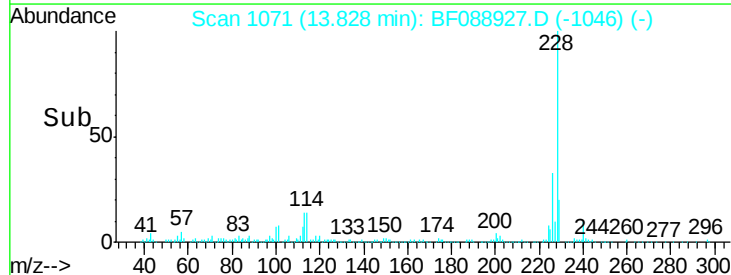
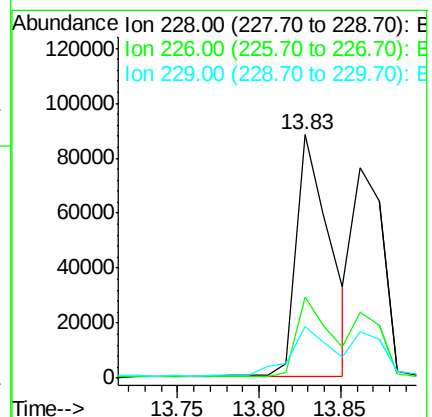
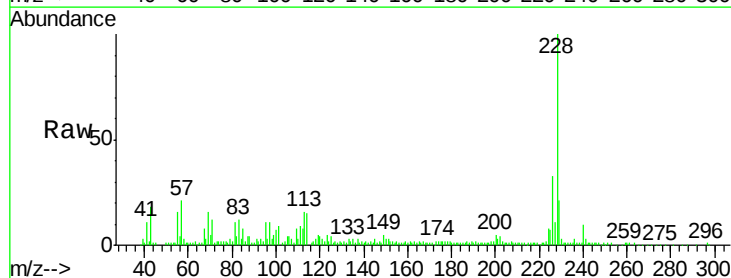
Tgt Ion:228 Resp: 128512

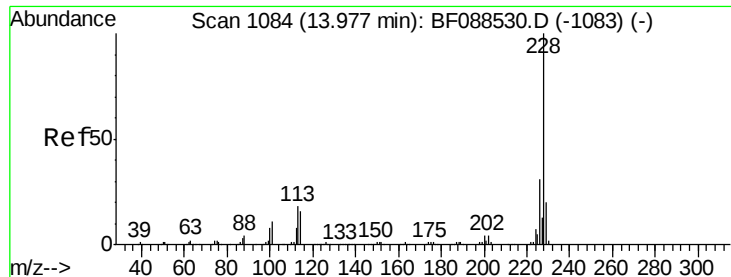
Ion Ratio Lower Upper

228 100

226 33.2 22.3 33.5

229 21.1 16.0 24.0





#82

Chrysene

Concen: 11.57 ng/mL

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampled :

SS-11

Tot Ion: 228 Resp: 99920

Ion Ratio Lower Upper

228 100

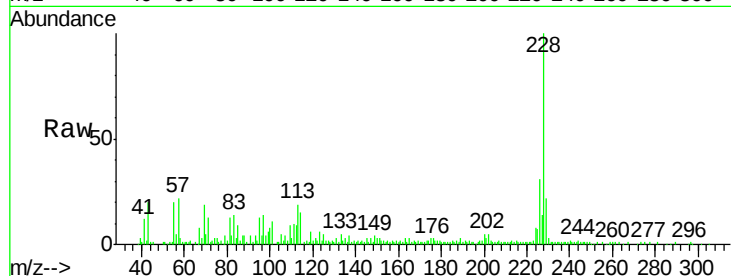
226 31.2 25.4 38.2

229 21.9 16.3 24.5

Manual Integrations

SOHIL

7/13/2016 9:25:35 AM

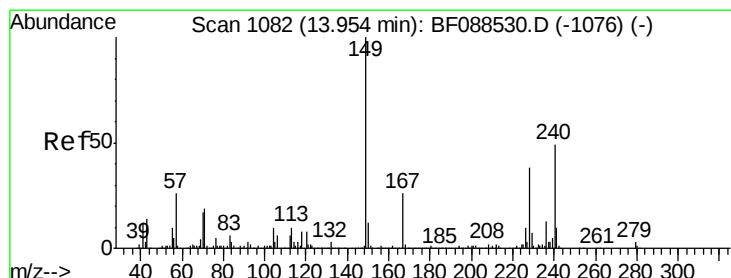
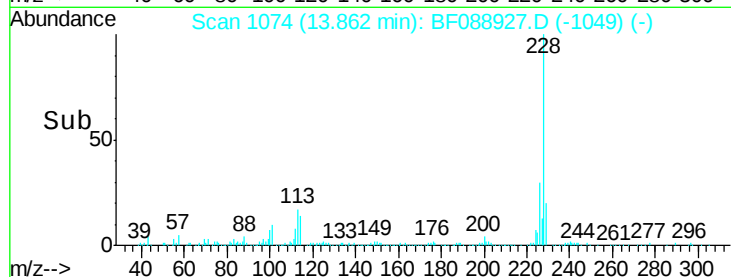
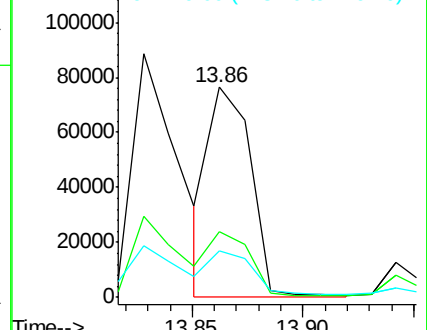


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 13.88 ng/mL

RT: 13.84 min Scan# 1072

Delta R.T. -0.00 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Tgt Ion: 149 Resp: 81223

Ion Ratio Lower Upper

149 100

167 24.6 20.5 30.7

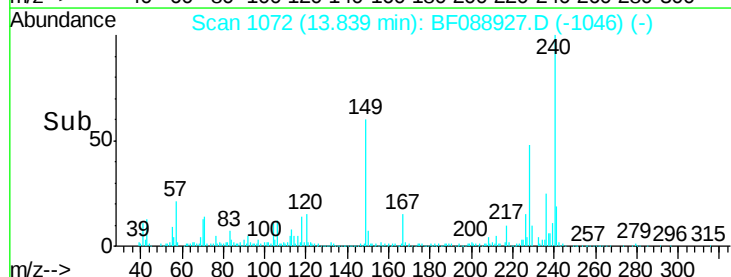
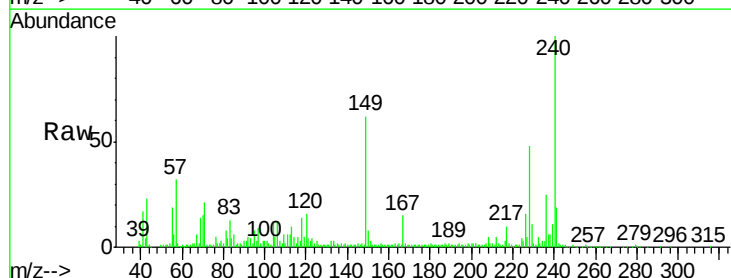
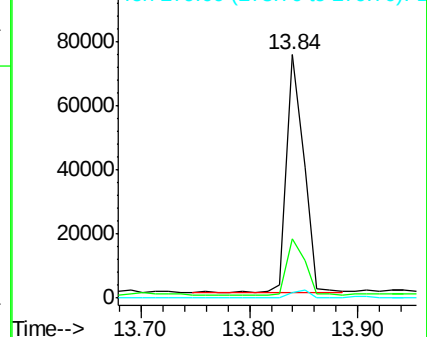
279 2.2 2.0 3.0

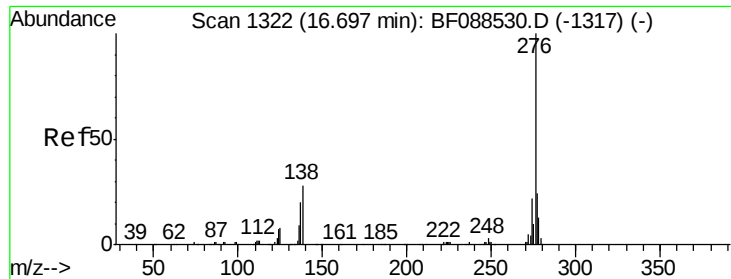
Abundance

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





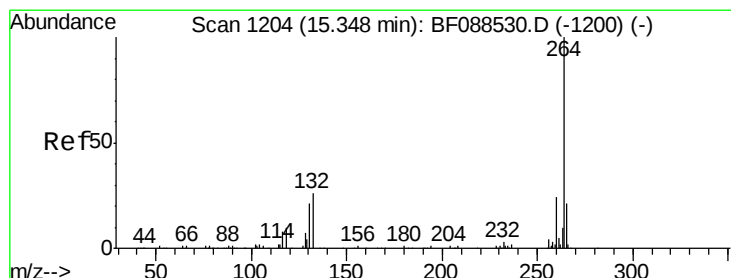
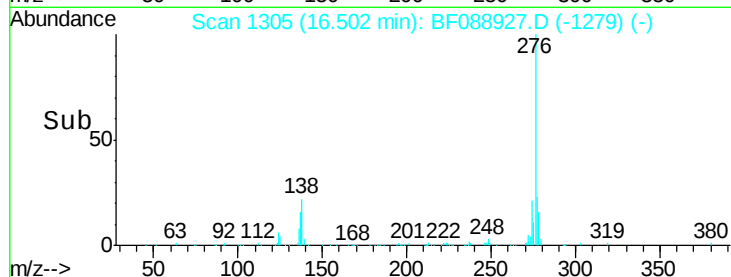
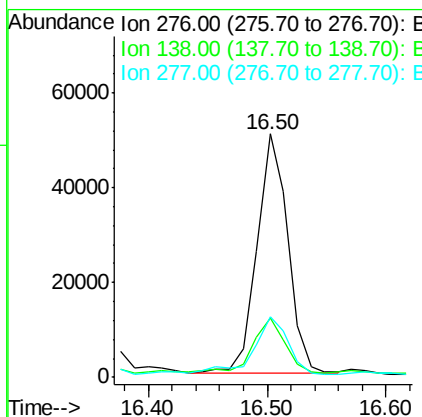
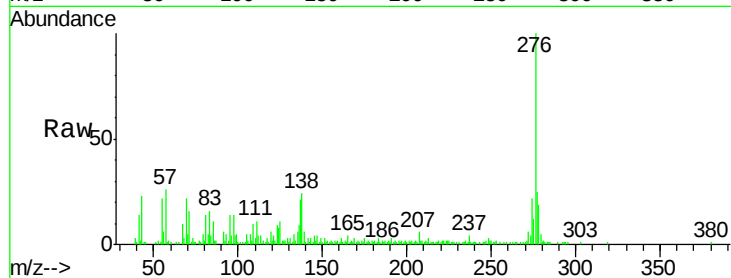
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.76 ng
RT: 16.50 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampleId :
SS-11

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	0.0#
277	27.4	0.0	0.0#

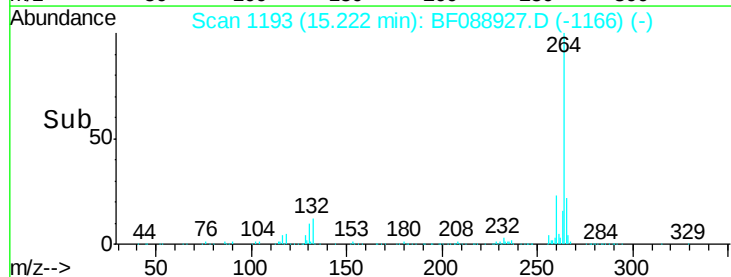
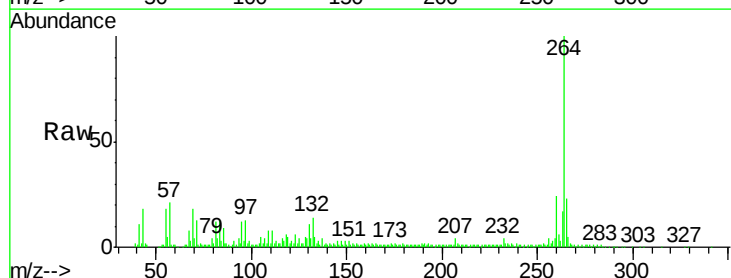
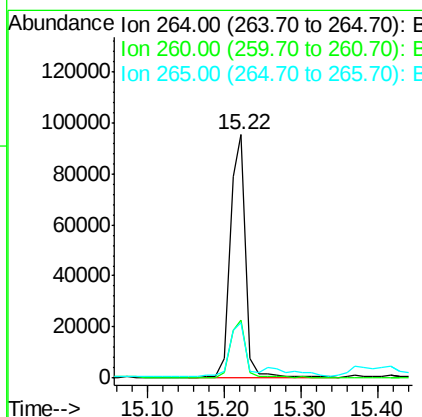
Manual Integrations

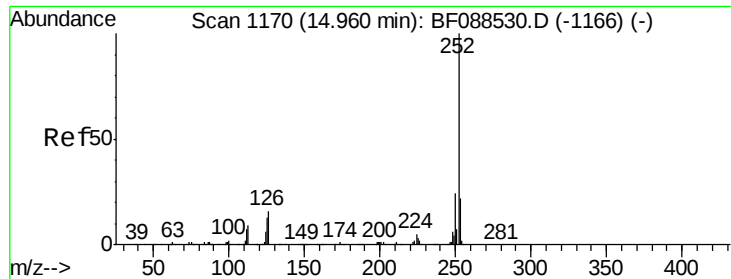
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.8	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 27.98 ng m

RT: 14.85 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF088927.D

Acq: 12 Jul 2016 16:53

Instrument :

BNA_F

ClientSampleId :

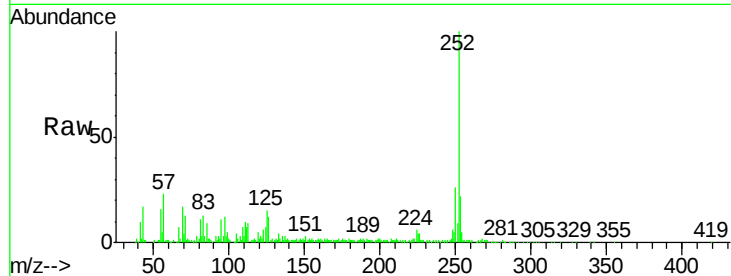
SS-11

Tot Ion:	252	Resp:	234356
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	15.5	7.1	10.7#

Manual Integrations

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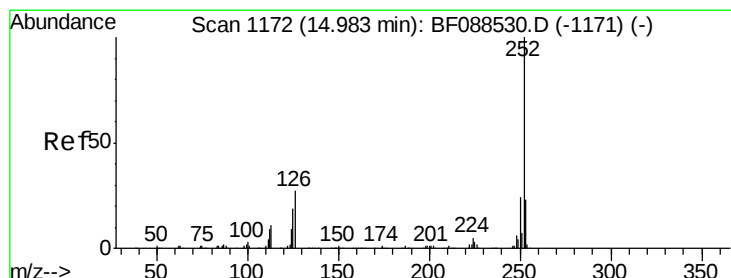
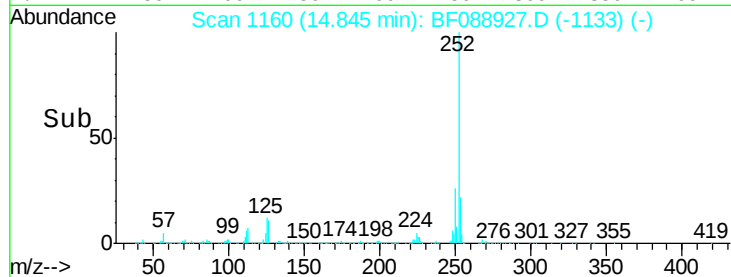
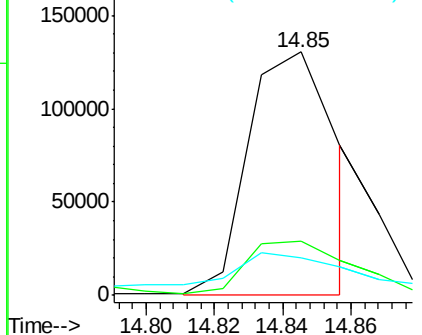
7/13/2016 9:25:35 AM



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



#88

Benzo(k)fluoranthene

Concen: 4.71 ng m

RT: 14.86 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BF088927.D

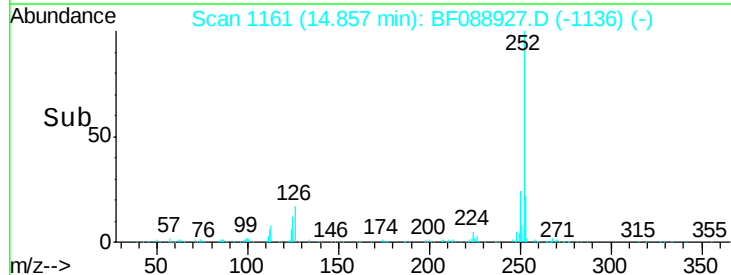
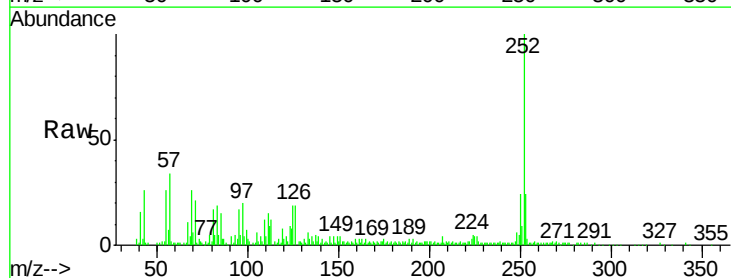
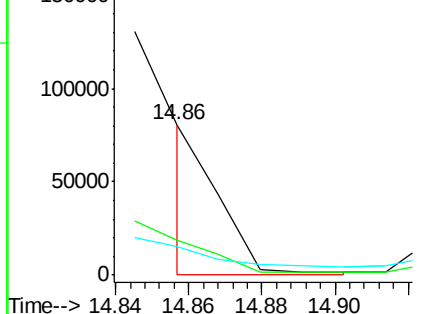
Acq: 12 Jul 2016 16:53

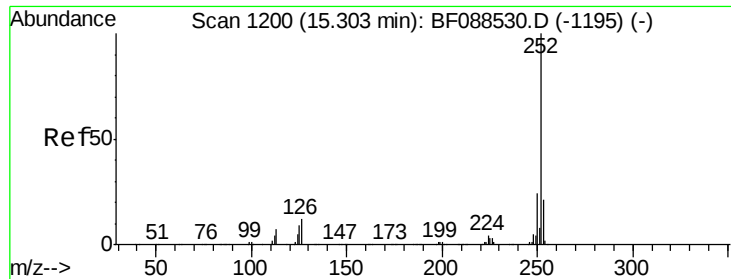
Tgt Ion:	252	Resp:	34305
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.0	27.0
125	19.2	11.2	16.8#

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





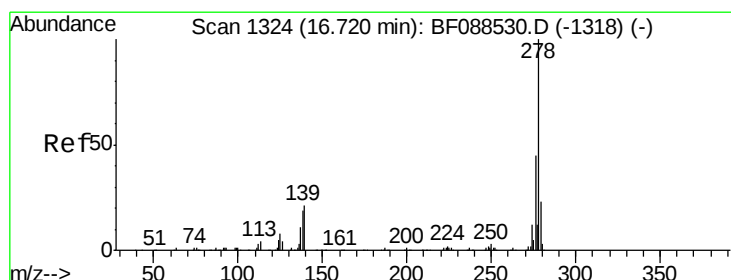
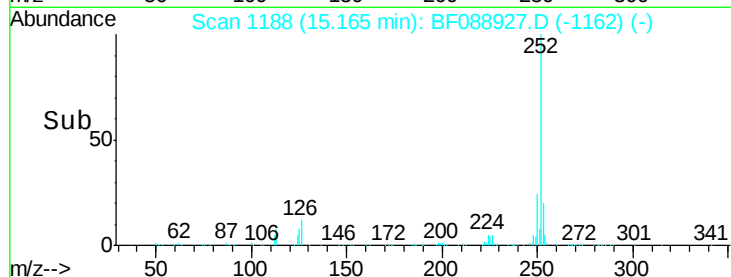
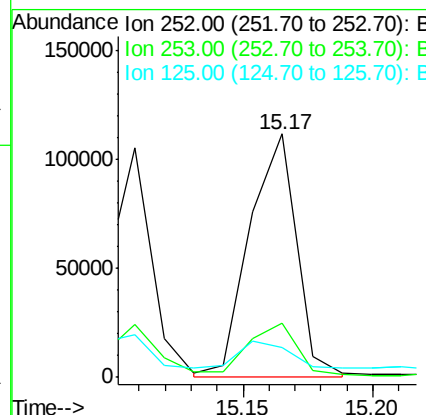
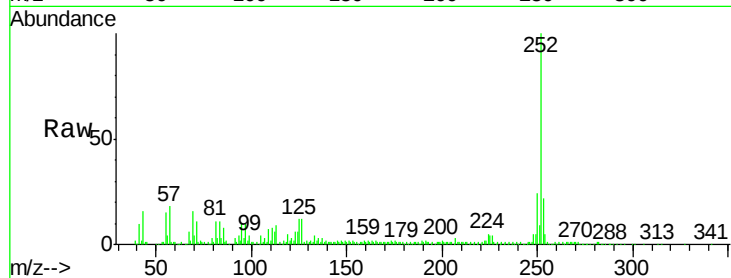
#89
Benzo(a)pyrene
Concen: 19.74 ng m
RT: 15.17 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Instrument :
BNA_F
ClientSampled :
SS-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.3	12.5	18.7

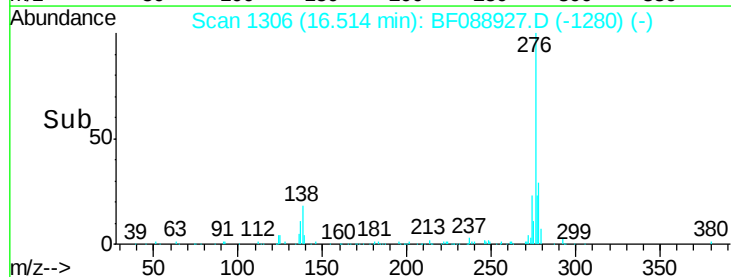
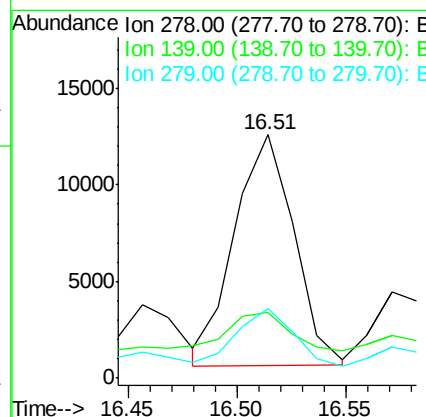
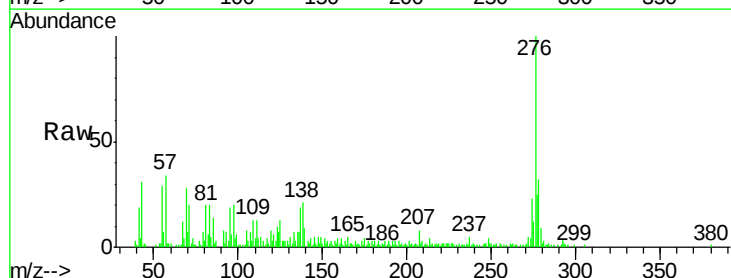
Manual Integrations

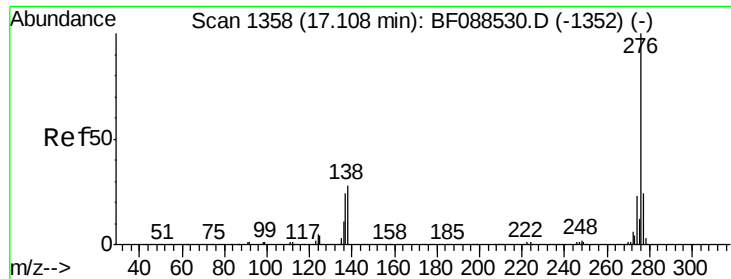
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#90
Dibenzo(a,h)anthracene
Concen: 3.87 ng
RT: 16.51 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF088927.D
Acq: 12 Jul 2016 16:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.8	15.7	23.5
279	28.5	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 17.23 ng
 RT: 16.89 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: BF088927.D
 Acq: 12 Jul 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Tot Ion:	276	Resp:	105600
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.9	28.3
138	25.9	21.4	32.2

Manual Integrations

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 SOHIL
 7/13/2016 9:25:35 AM

