

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
 Data File : BF089010.D
 Acq On : 15 Jul 2016 3:21
 Operator : UM/SJ
 Sample : H3972-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)

Manual Integrations

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 Sohil
 7/15/2016 9:16:47 AM

Quant Time: Jul 15 04:23:21 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	6.68	152	45705	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	185349	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	71245	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	137350	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	89180	20.00	ng	-0.02
86) Perylene-d12	15.20	264	68731	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	297942	97.70	ng	0.00
7) Phenol-d6	6.34	99	365143	92.66	ng	-0.01
23) Nitrobenzene-d5	7.26	82	227681	64.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	57683	87.19	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	326004	72.28	ng	-0.02
78) Terphenyl-d14	12.79	244	261084	65.21	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.59	152	20663	2.80	ng	98
49) Dimethylphthalate	9.45	163	84737	16.69	ng	99
57) Fluorene	10.26	166	10559	2.32	ng	97
70) Phenanthrene	11.22	178	147252	19.61	ng	97
71) Anthracene	11.27	178	42880	5.74	ng	98
72) Carbazole	11.43	167	14068	2.00	ng	97
74) Fluoranthene	12.41	202	329052	43.23	ng	93
77) Pyrene	12.63	202	275599	36.45	ng	98
79) Butylbenzylphthalate	13.27	149	831736	246.60	ng	# 74
80) Benzo(a)anthracene	13.82	228	129799m	22.60	ng	
82) Chrysene	13.85	228	122692m	21.60	ng	
83) Bis(2-ethylhexyl)phthalate	13.83	149	470466	122.18	ng	98
85) Indeno(1,2,3-cd)pyrene	16.48	276	52088	11.92	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	138677m	32.16	ng	
88) Benzo(k)fluoranthene	14.85	252	48317m	12.87	ng	
89) Benzo(a)pyrene	15.14	252	90260	24.73	ng	98
90) Dibenzo(a,h)anthracene	16.49	278	18269	5.99	ng	# 83
91) Benzo(g,h,i)perylene	16.87	276	51817	16.43	ng	96

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

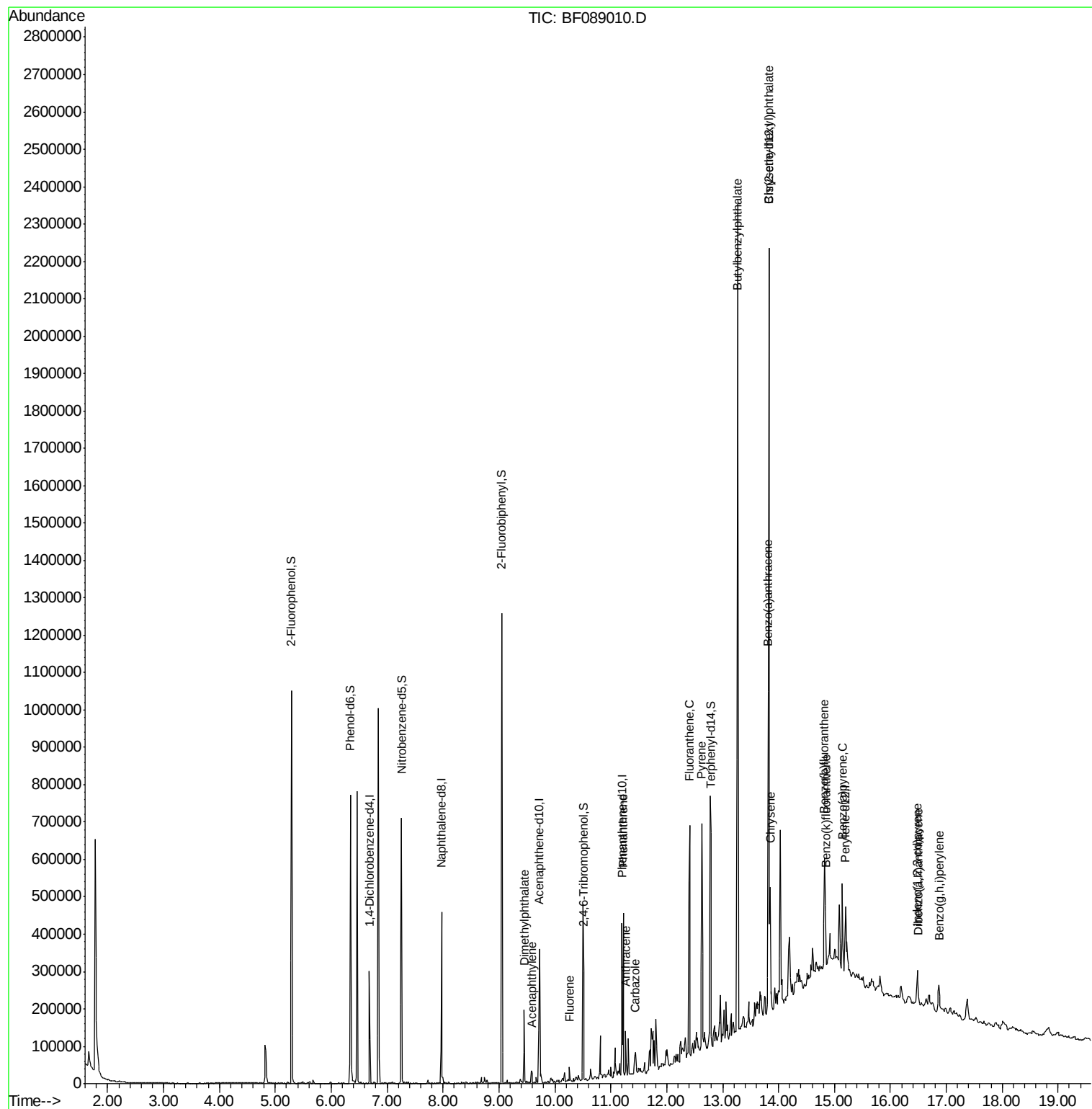
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071416\
Data File : BF089010.D
Acq On : 15 Jul 2016 3:21
Operator : UM/SJ
Sample : H3972-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

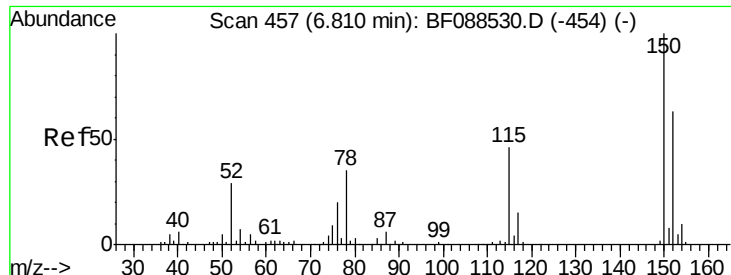
Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

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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: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)

Tot Ion:152 Resp: 45705

Ion Ratio Lower Upper

152 100

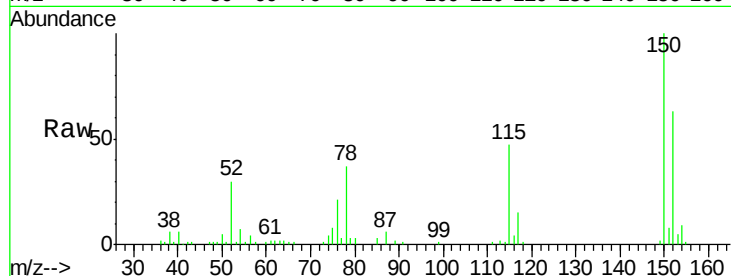
150 159.3 123.8 185.6

115 74.8 39.6 59.4#

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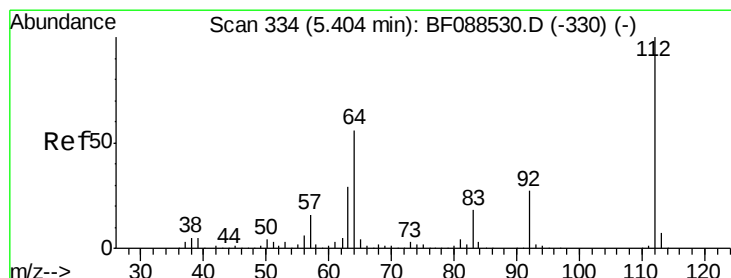
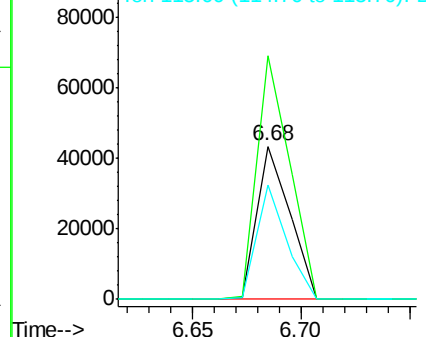
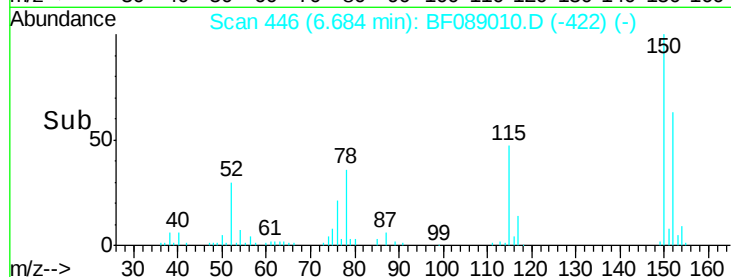
7/15/2016 9:16:47 AM



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: 97.70 ng

RT: 5.29 min Scan# 324

Delta R.T. -0.00 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

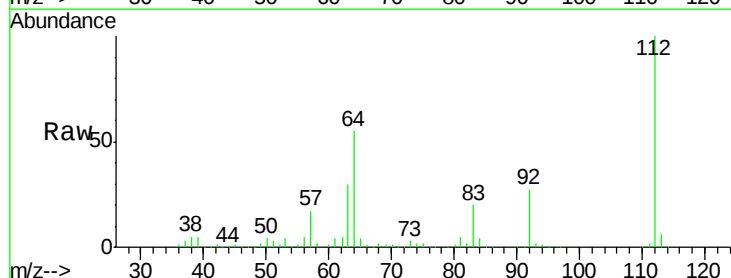
Tgt Ion:112 Resp: 297942

Ion Ratio Lower Upper

112 100

64 55.1 42.2 63.2

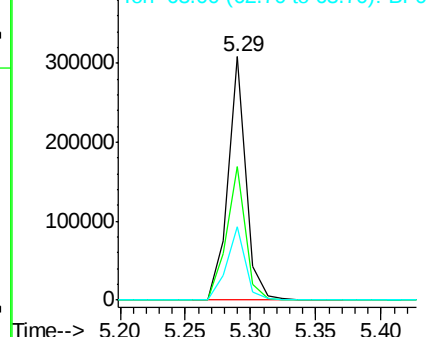
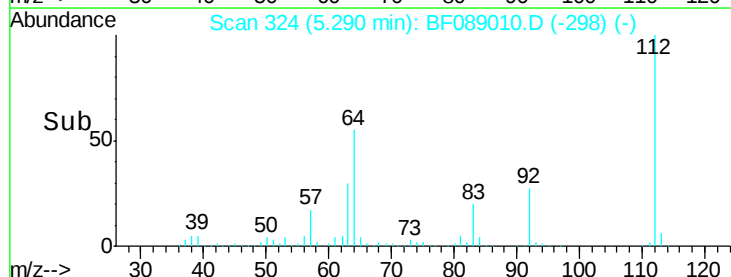
63 29.9 21.8 32.8

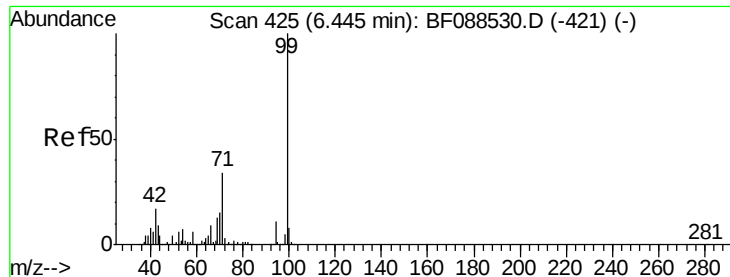


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.66 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)

Tot Ion: 99 Resp: 365143

Ion Ratio Lower Upper

99 100

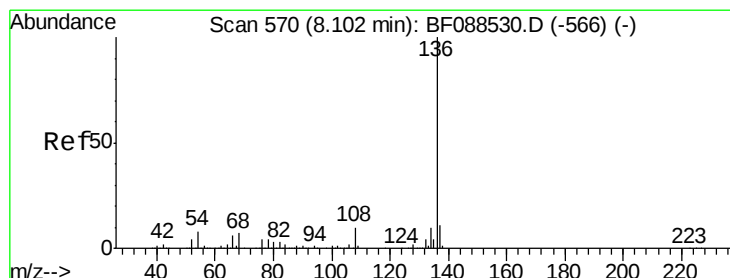
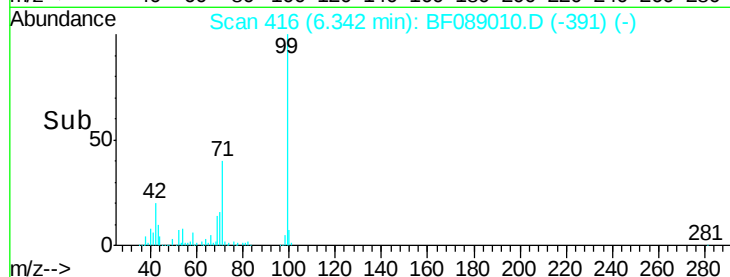
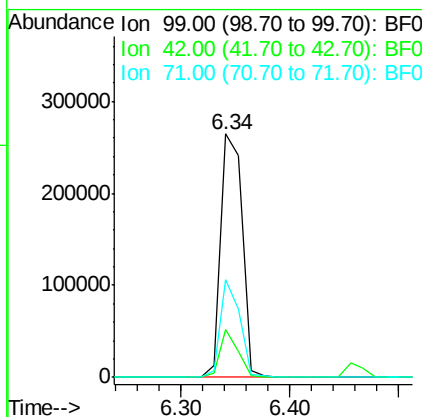
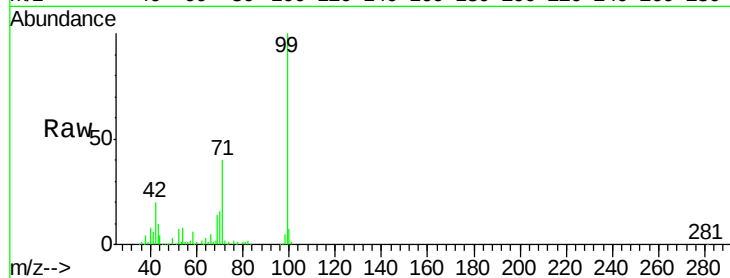
42 19.7 12.2 18.2#

71 40.0 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 559

Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Tgt Ion: 136 Resp: 185349

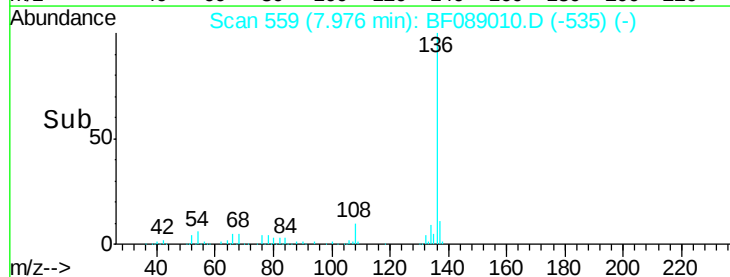
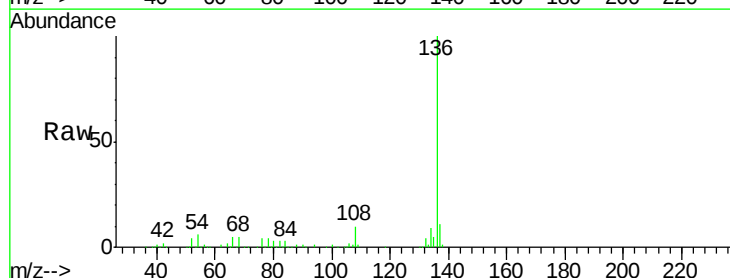
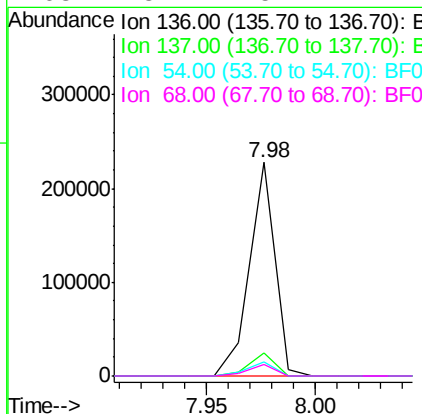
Ion Ratio Lower Upper

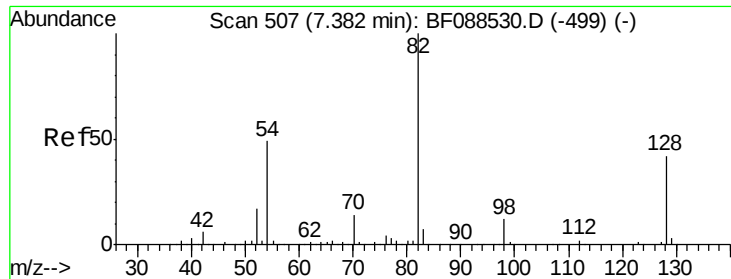
136 100

137 10.8 9.1 13.7

54 6.5 6.6 10.0#

68 5.2 5.1 7.7





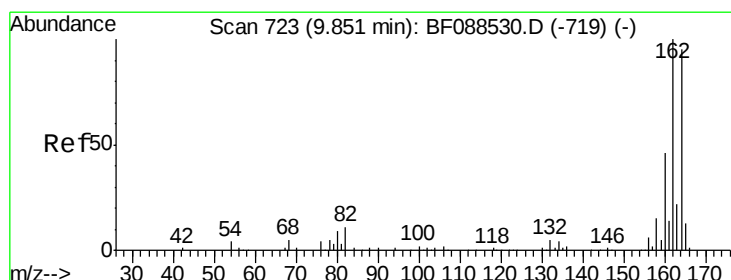
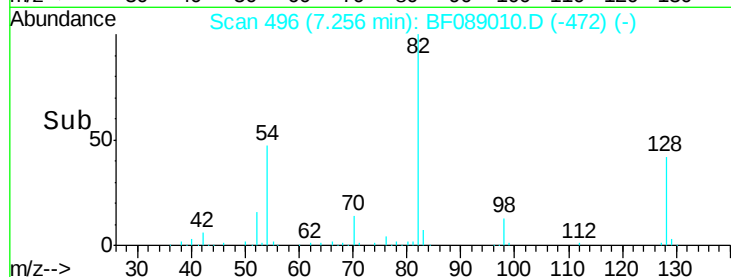
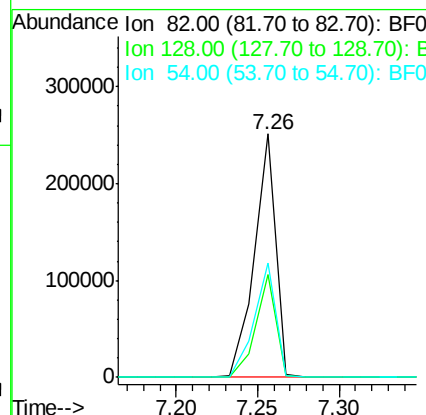
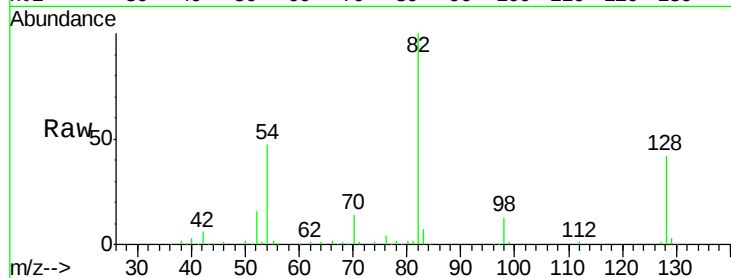
#23
Nitrobenzene-d5
Concen: 64.37 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

Tot Ion	82	Resp	227681
Ion Ratio	100	Lower	Upper
82	100		
128	42.0	35.9	53.9
54	46.7	40.9	61.3

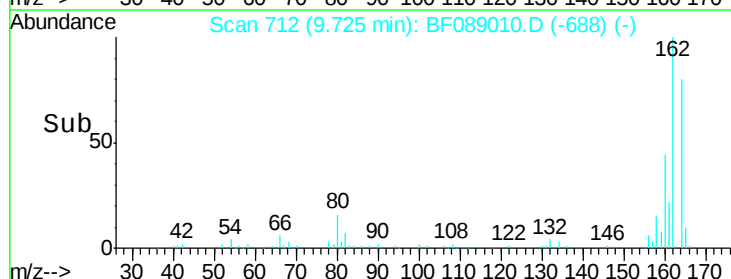
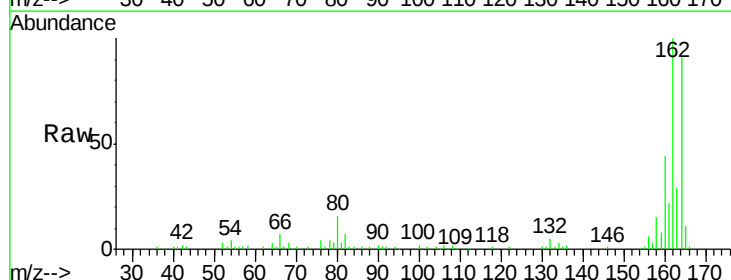
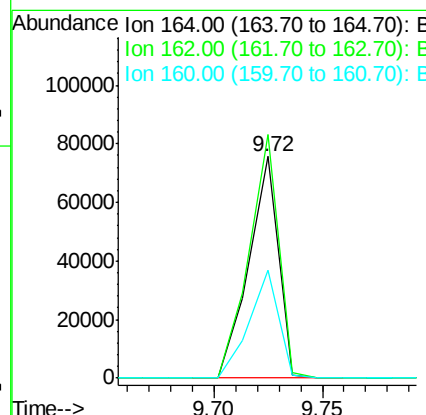
Manual Integrations

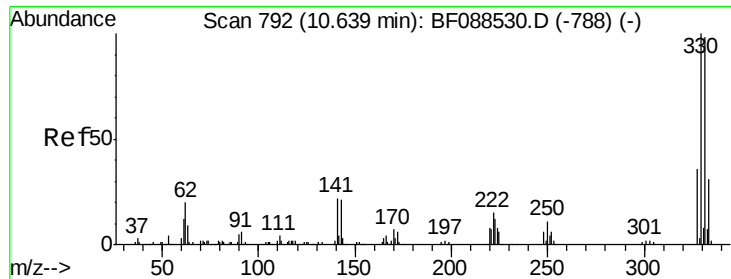
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Tgt Ion	164	Resp	71245
Ion Ratio	100	Lower	Upper
164	100		
162	109.9	85.4	128.2
160	48.7	39.5	59.3





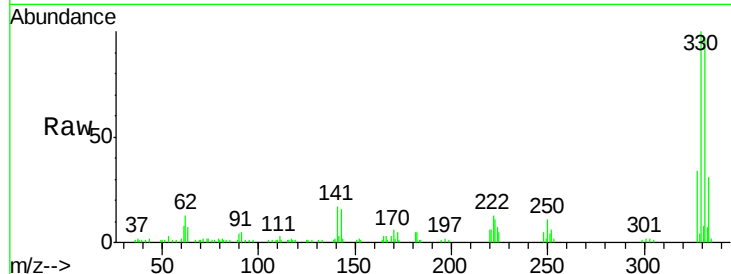
#41
 2,4,6-Tribromophenol
 Concen: 87.19 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF089010.D
 Acq: 15 Jul 2016 3:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)

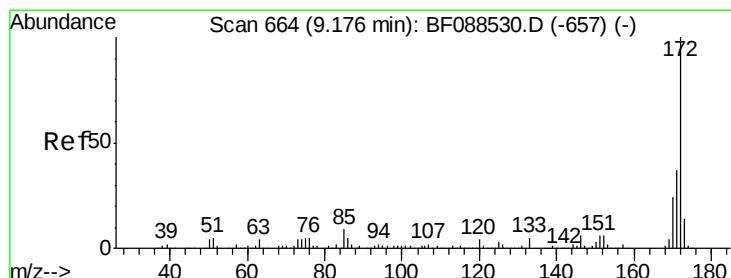
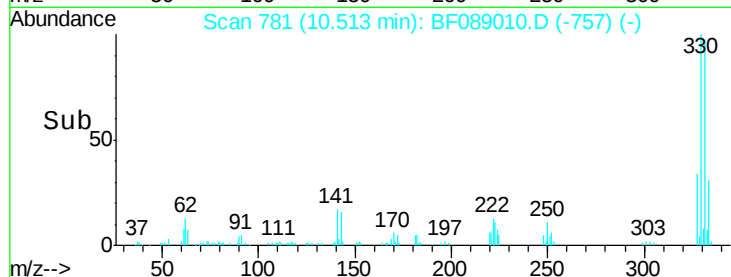
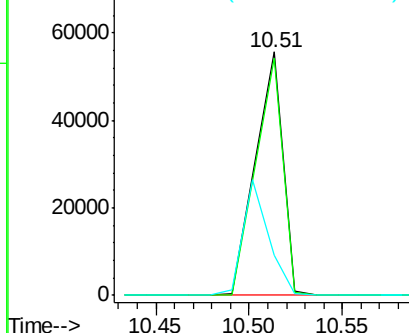
Tot Ion	Ratio	Resp	Lower	Upper
330	100	57683		
332	96.5	0.0	0.0	0.0
141	44.5	0.0	0.0	0.0

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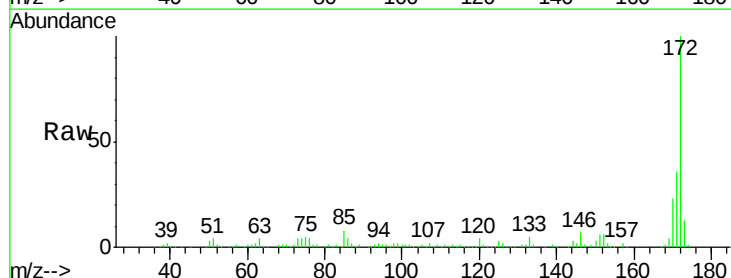


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

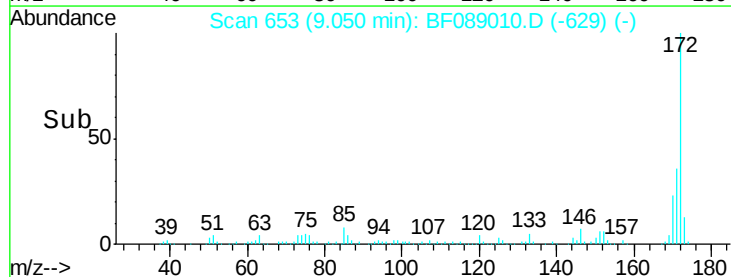
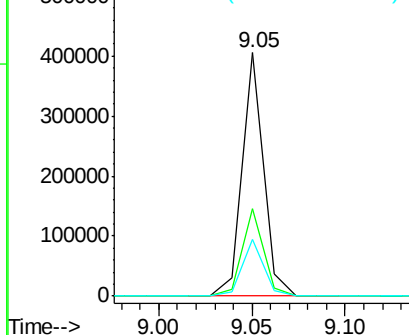


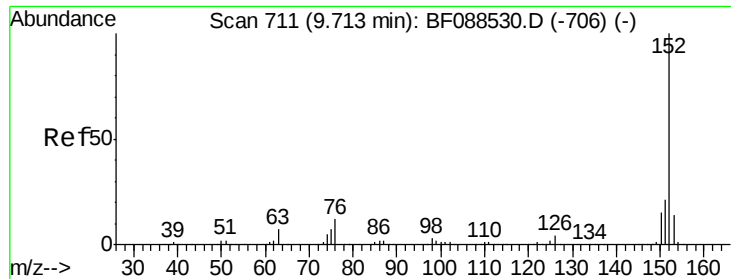
#44
 2-Fluorobiphenyl
 Concen: 72.28 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089010.D
 Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	326004		
171	35.7	28.6	43.0	
170	23.4	19.2	28.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





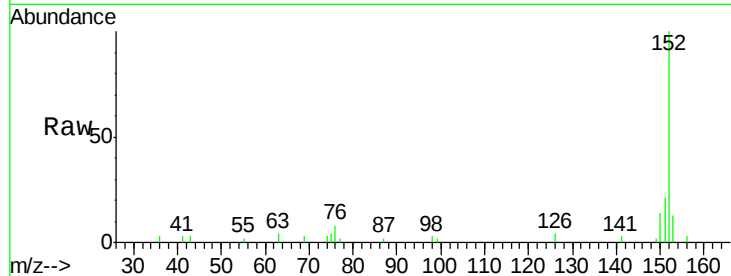
#48
Acenaphthylene
Concen: 2.80 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

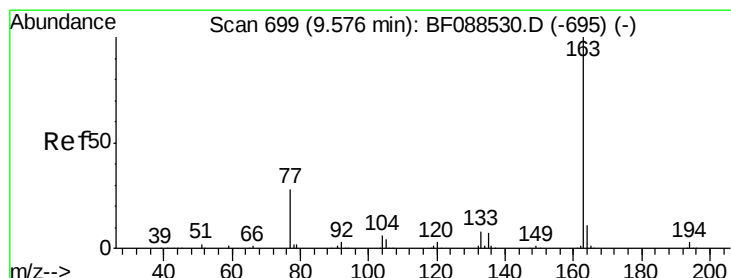
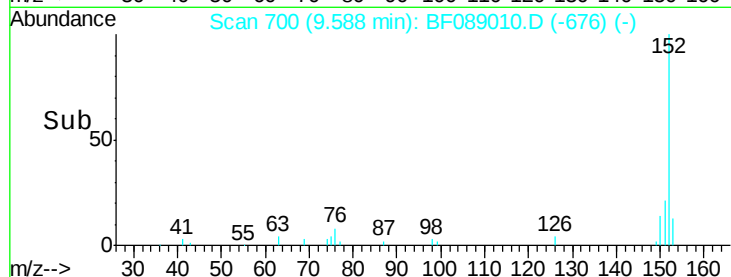
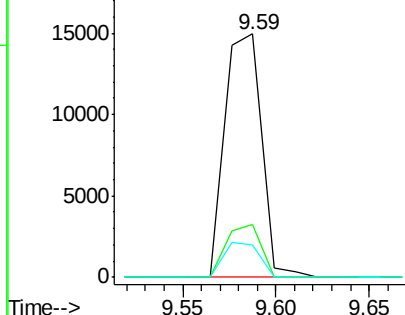
Tot Ion:	152	Resp:	20663
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.2	24.4
153	13.4	11.0	16.6

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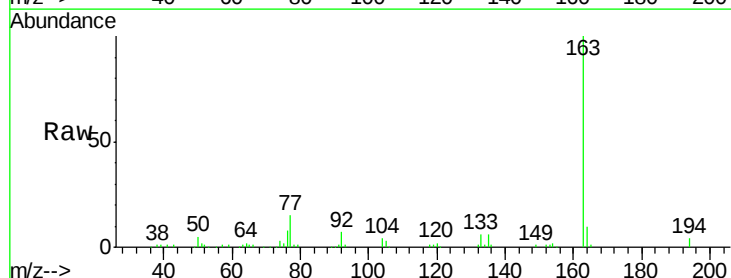


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

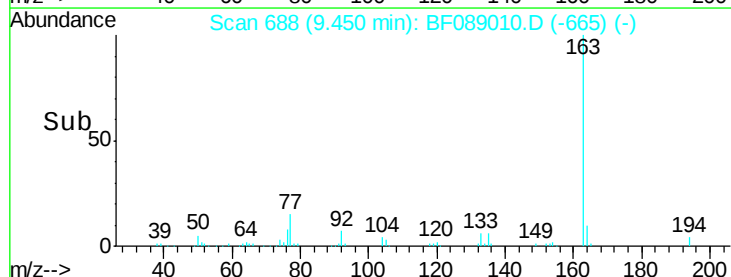
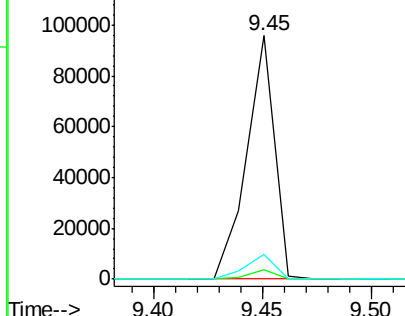


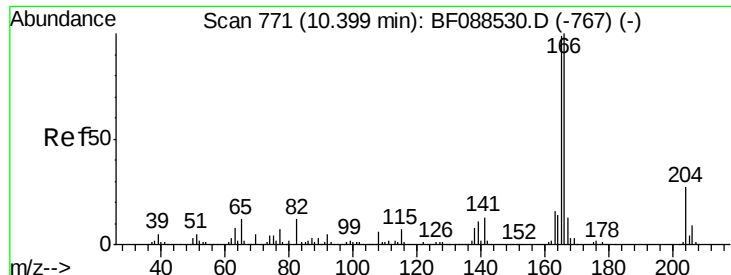
#49
Dimethylphthalate
Concen: 16.69 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.03 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Tgt Ion:	163	Resp:	84737
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.8	4.2
164	10.0	8.3	12.5



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





#57

Fluorene

Concen: 2.32 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.03 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)

Tot Ion:166 Resp: 10559

Ion Ratio Lower Upper

166 100

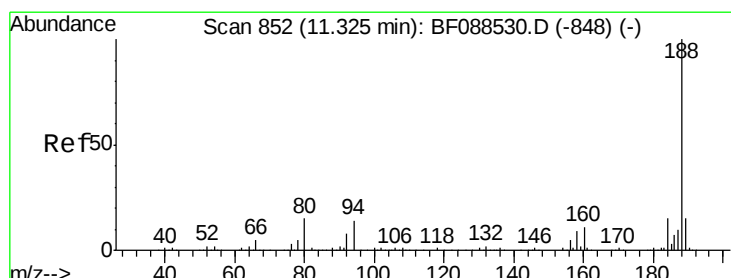
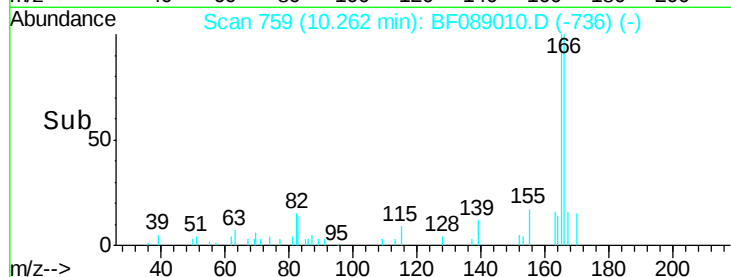
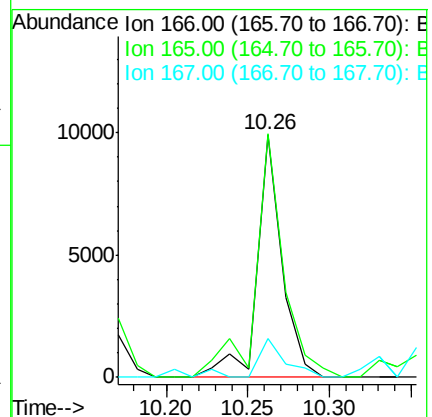
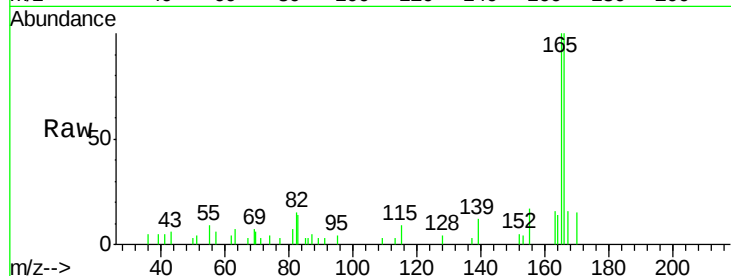
165 100.3 77.8 116.8

167 16.1 11.2 16.8

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

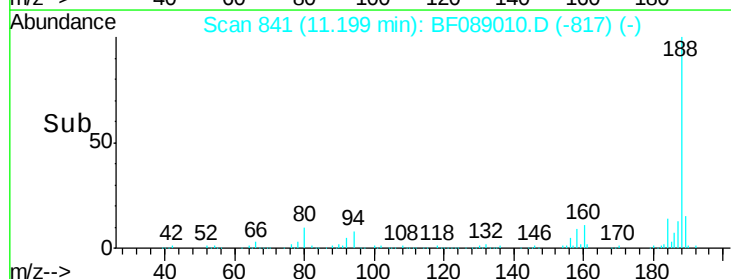
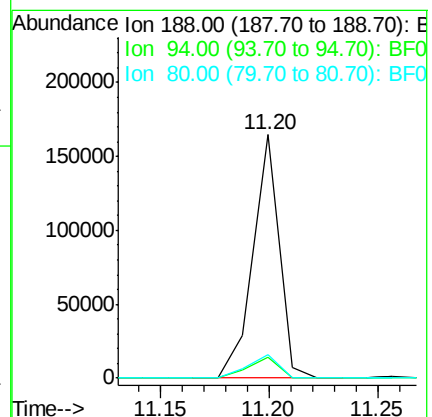
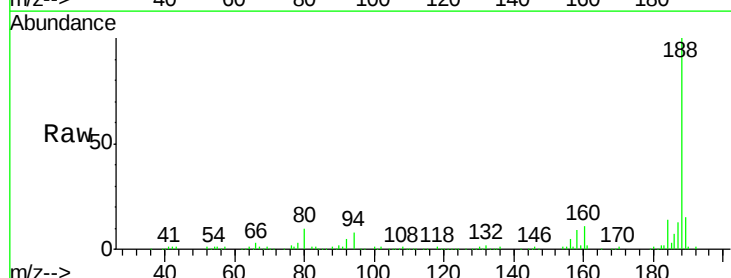
Tgt Ion:188 Resp: 137350

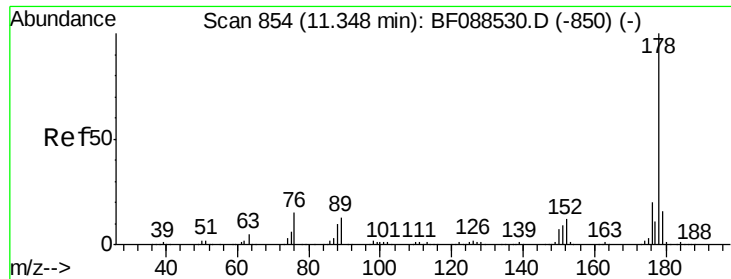
Ion Ratio Lower Upper

188 100

94 8.4 9.0 13.6#

80 9.7 10.0 15.0#





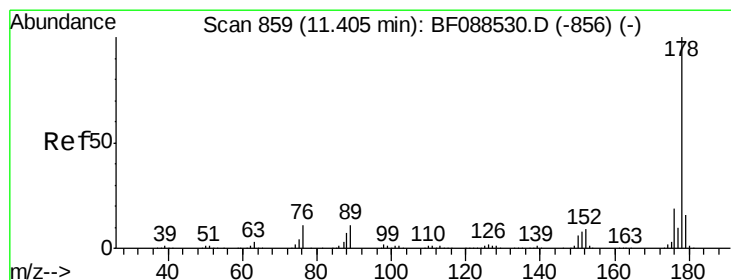
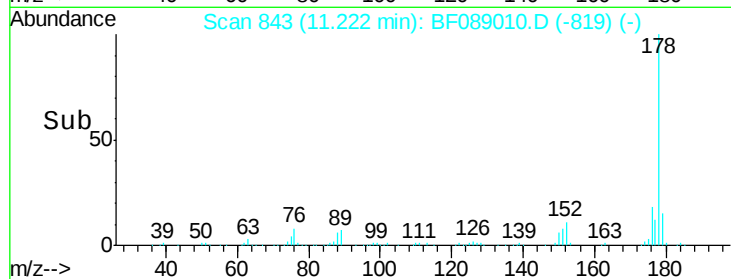
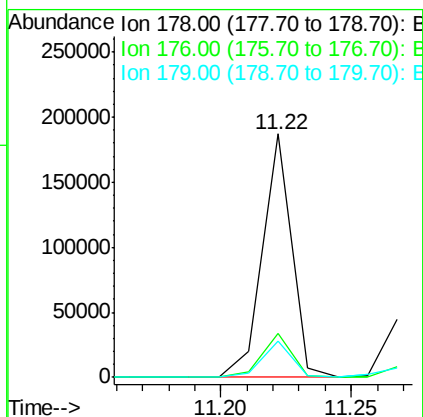
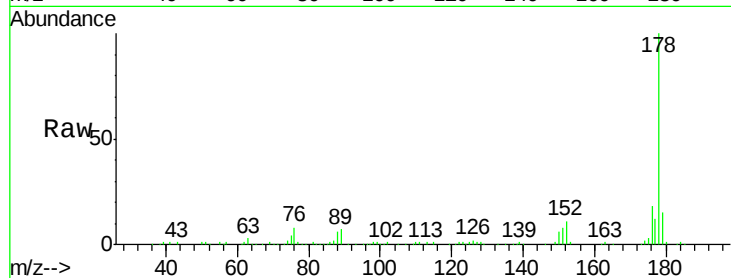
#70
Phenanthrene
Concen: 19.61 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	15.0	13.0	19.4

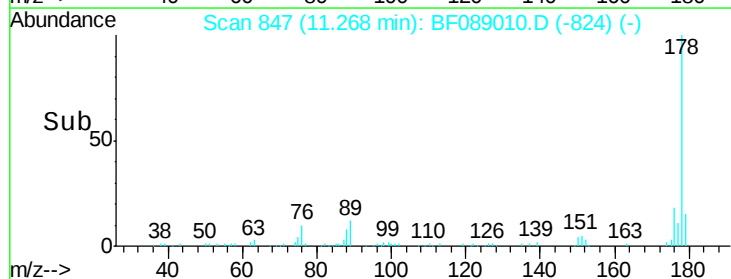
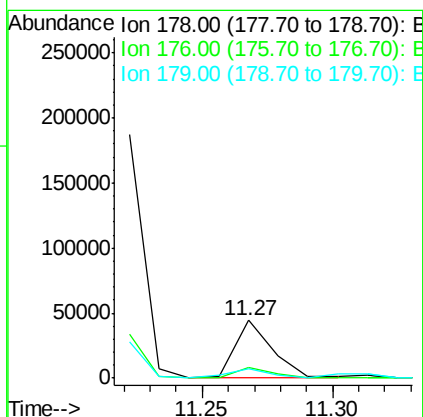
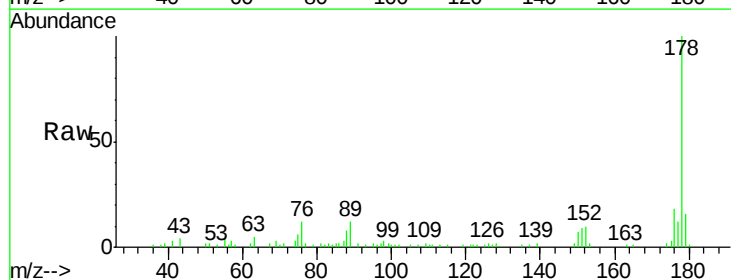
Manual Integrations

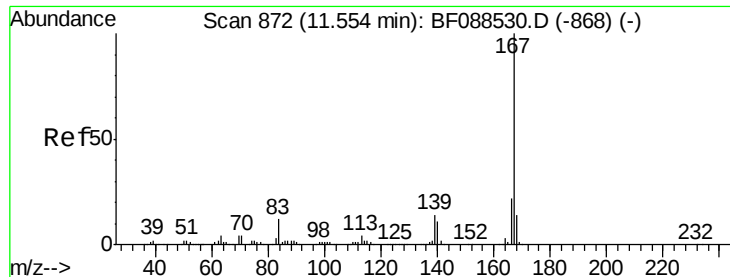
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Sohil
7/15/2016 9:16:47 AM



#71
Anthracene
Concen: 5.74 ng
RT: 11.27 min Scan# 847
Delta R.T. -0.03 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	16.2	12.8	19.2





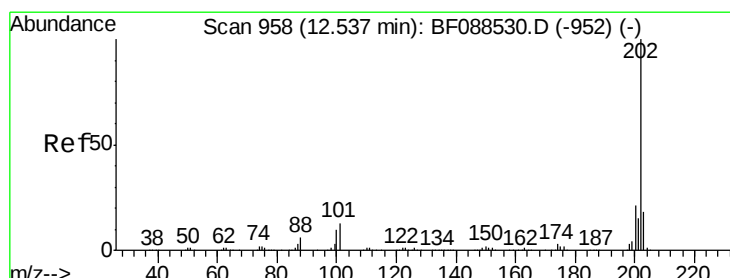
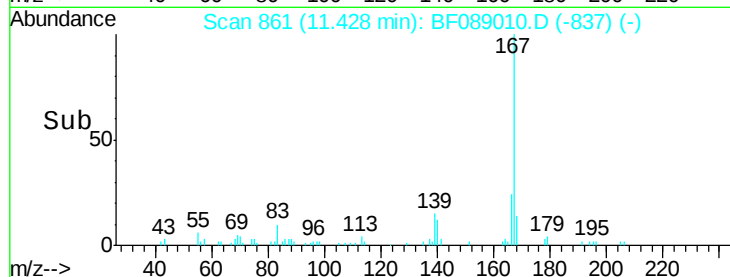
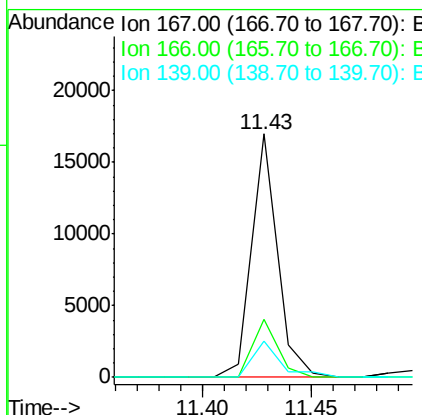
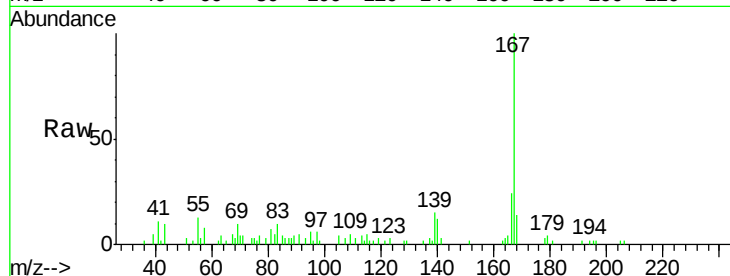
#72
 Carbazole
 Concen: 2.00 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BF089010.D
 Acq: 15 Jul 2016 3:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.8	26.6
139	14.7	11.2	16.8

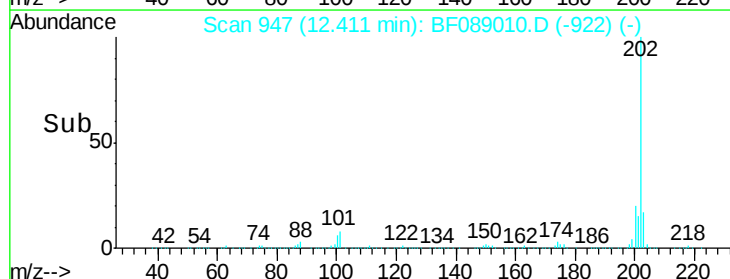
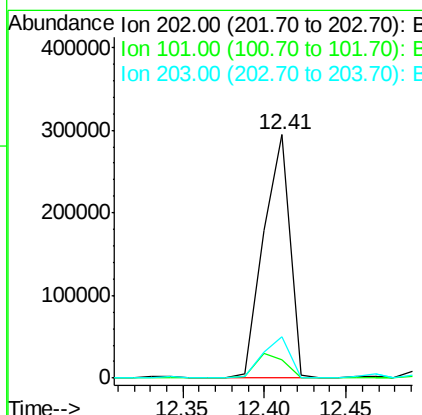
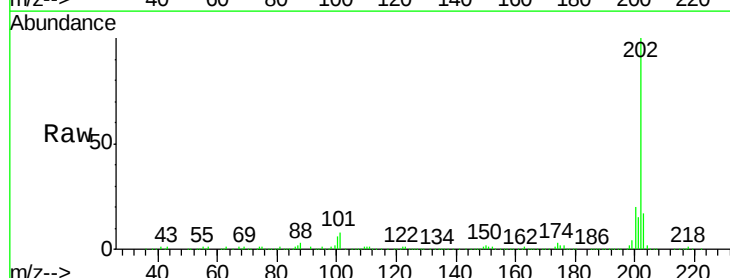
Manual Integrations

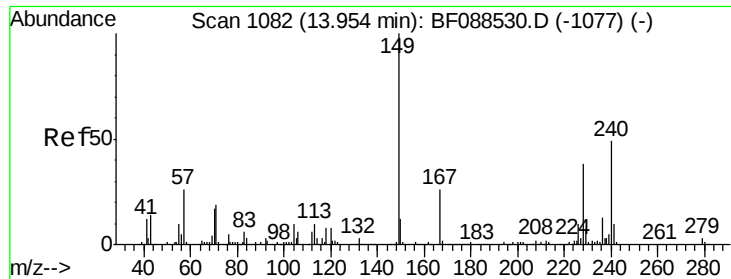
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#74
 Fluoranthene
 Concen: 43.23 ng
 RT: 12.41 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF089010.D
 Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	33.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Instrument :

BNA_F

ClientSampleId :

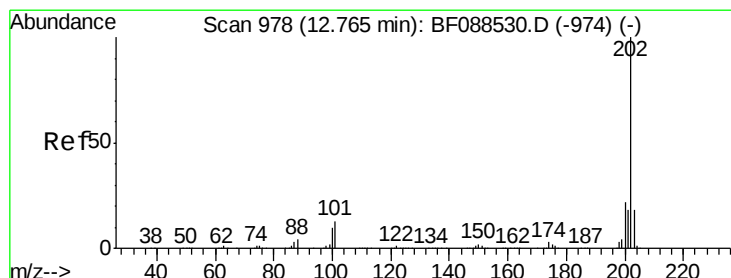
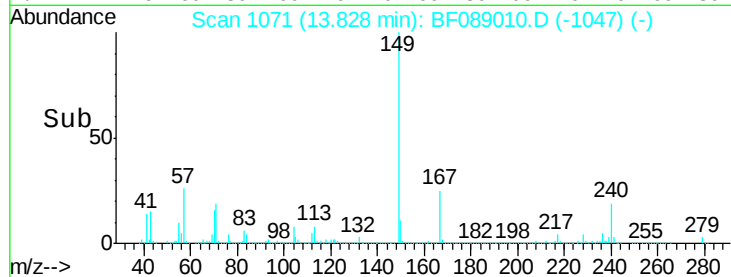
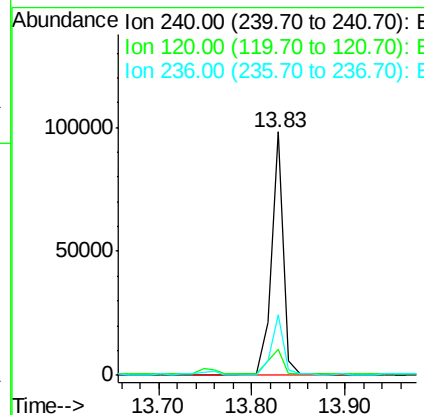
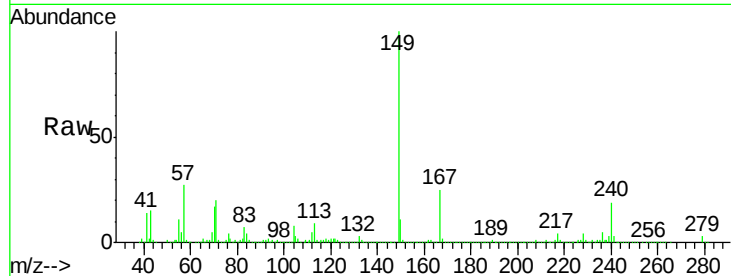
LSS-SS-SS04(0-2in)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	6.8	10.2
236	24.8	20.2	30.2

Manual Integrations

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#77

Pyrene

Concen: 36.45 ng

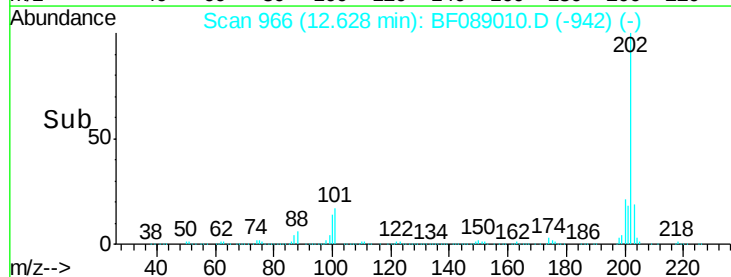
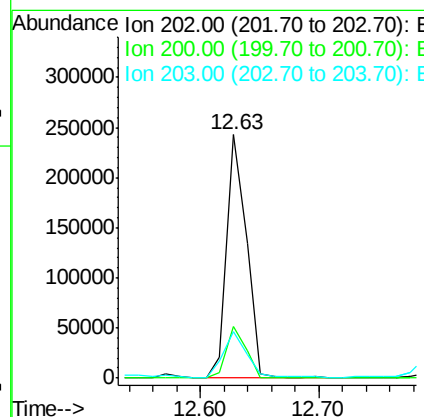
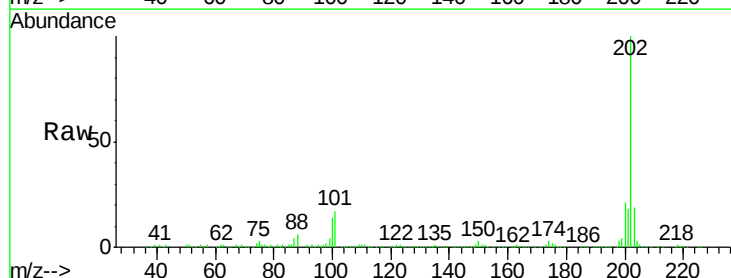
RT: 12.63 min Scan# 966

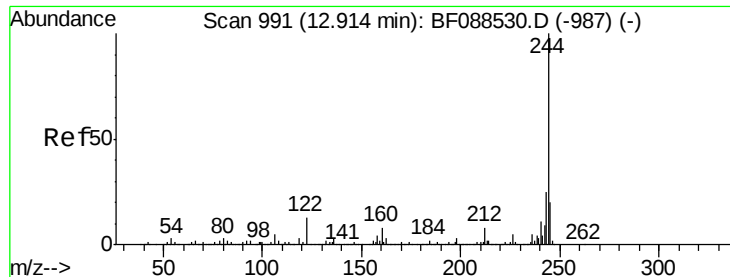
Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	19.1	14.5	21.7





#78

Terphenyl-d14

Concen: 65.21 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF089010.D

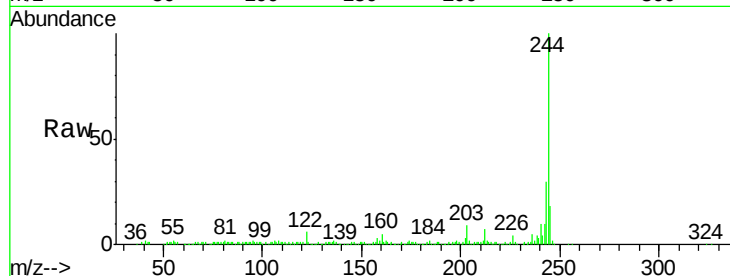
Acq: 15 Jul 2016 3:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)

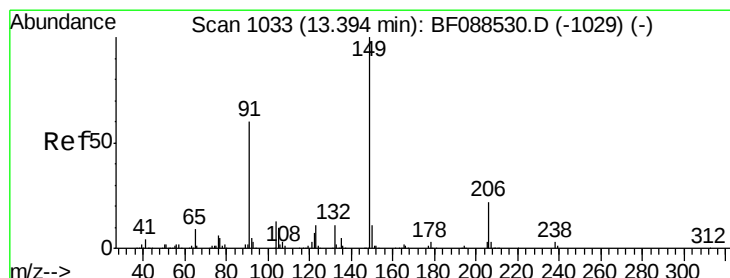
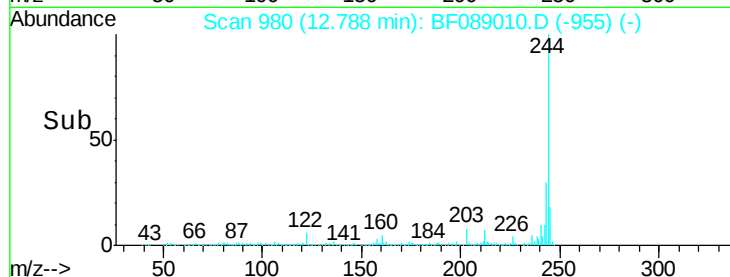
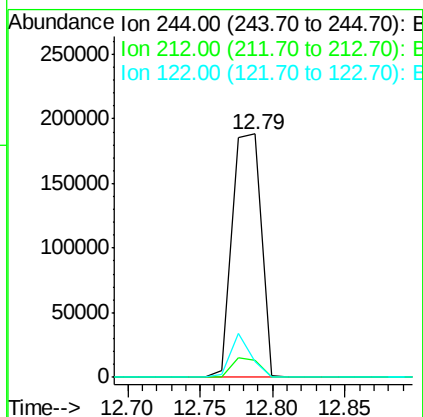


Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	6.4	11.2	16.8#

Manual Integrations

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#79

Butylbenzylphthalate

Concen: 246.60 ng

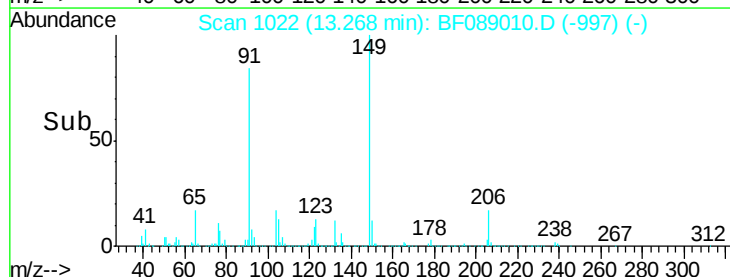
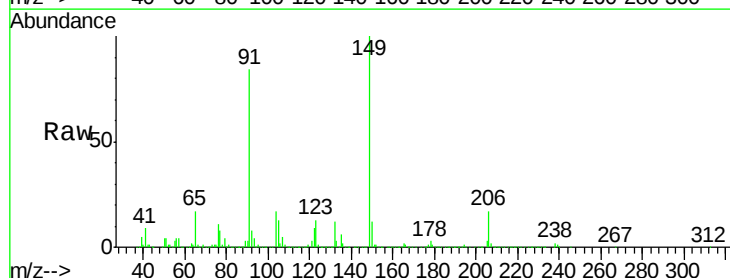
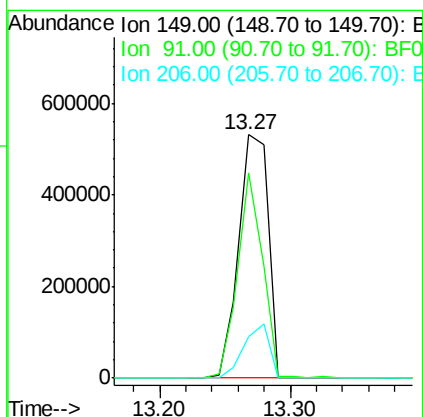
RT: 13.27 min Scan# 1022

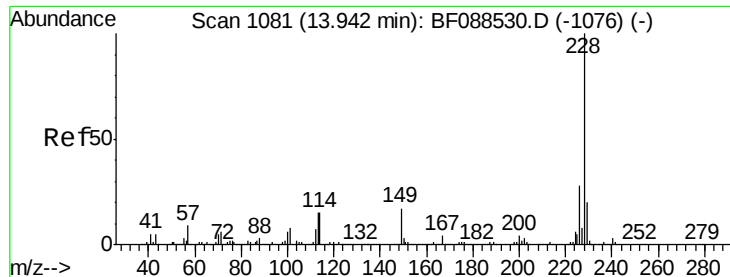
Delta R.T. -0.01 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	84.4	48.0	72.0#
206	17.0	16.0	24.0





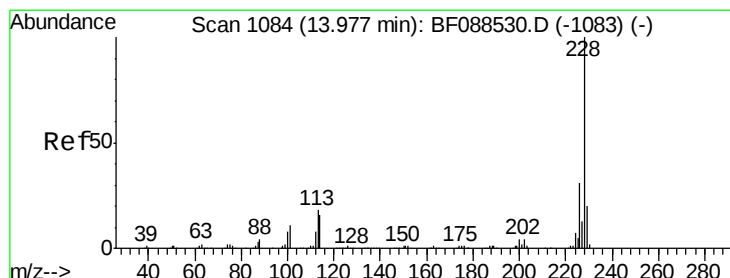
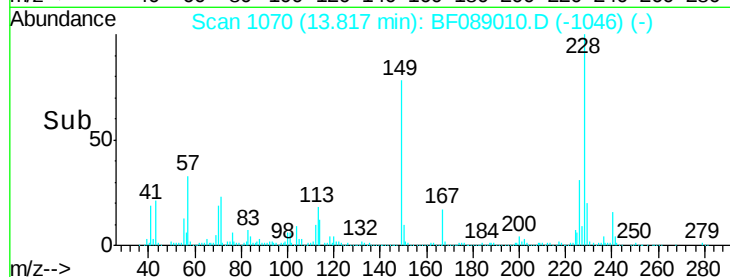
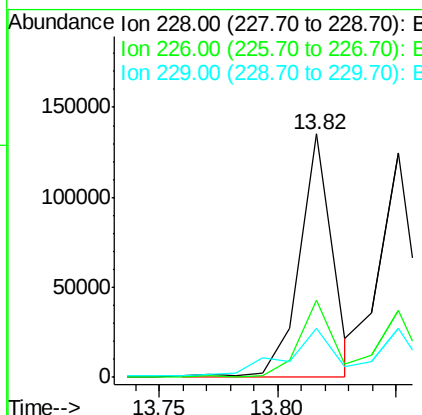
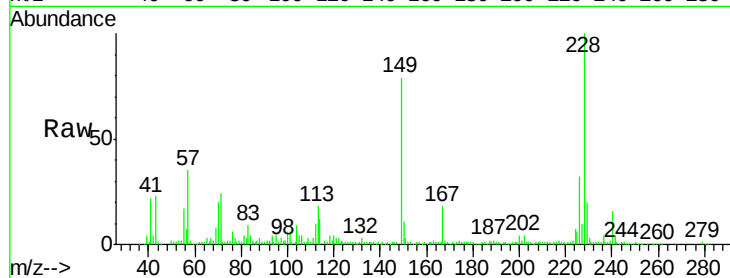
#80
Benzo(a)anthracene
Concen: 22.60 ng m
RT: 13.82 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.3	33.5
229	20.2	16.0	24.0

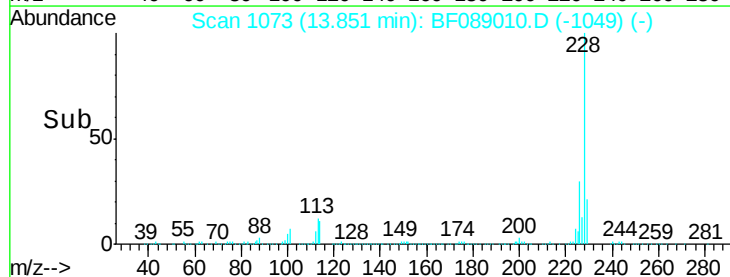
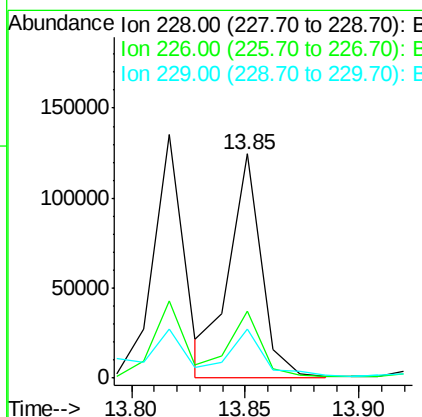
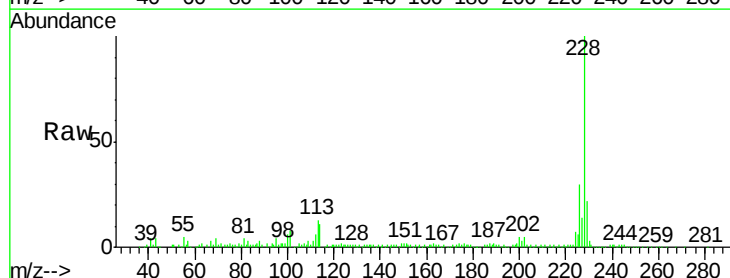
Manual Integrations

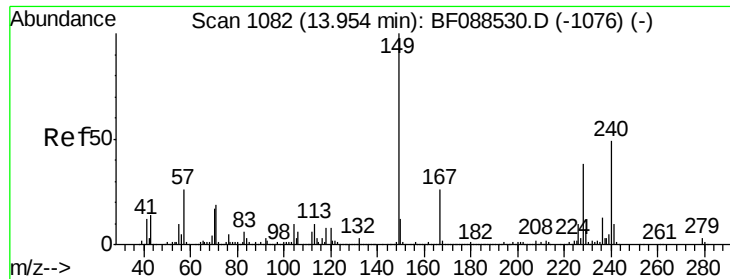
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#82
Chrysene
Concen: 21.60 ng m
RT: 13.85 min Scan# 1073
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.2
229	22.0	16.3	24.5





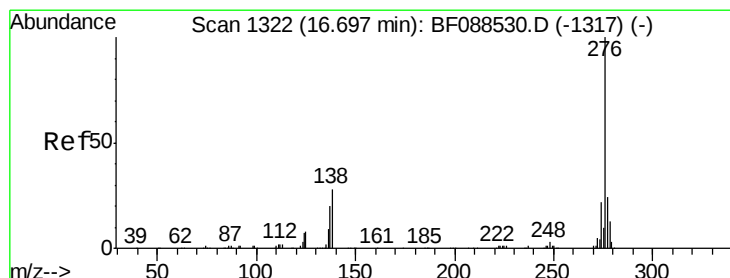
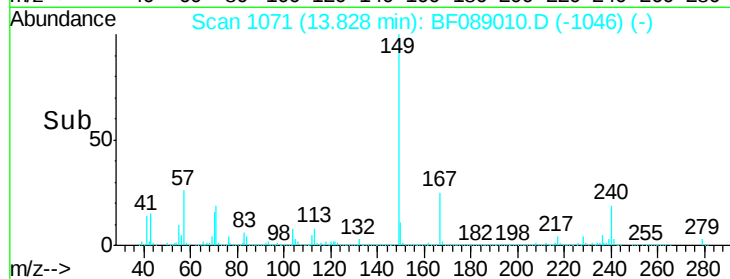
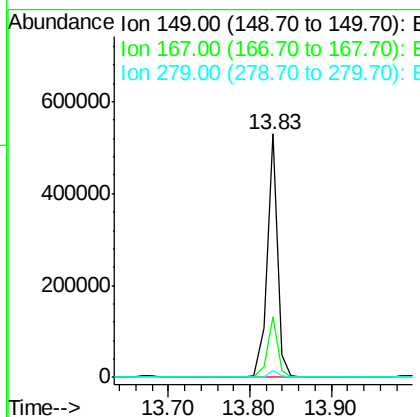
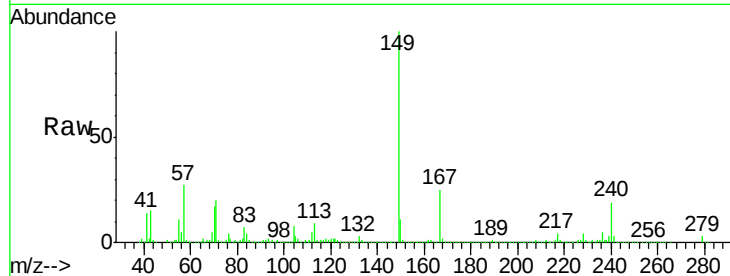
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 122.18 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF089010.D
 Acq: 15 Jul 2016 3:21

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SS-SS04(0-2in)

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.5	30.7
279	2.6	2.0	3.0

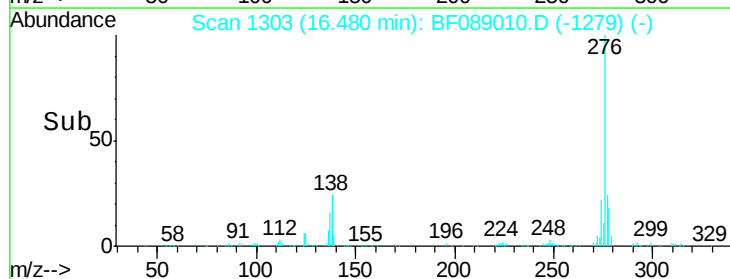
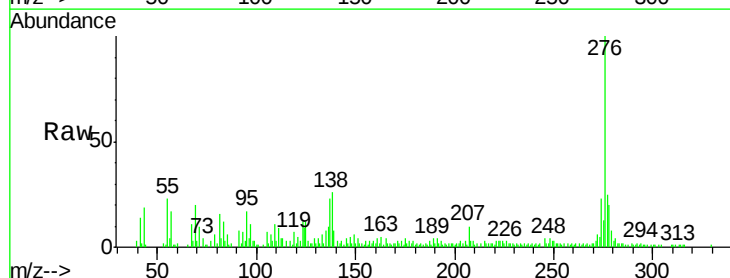
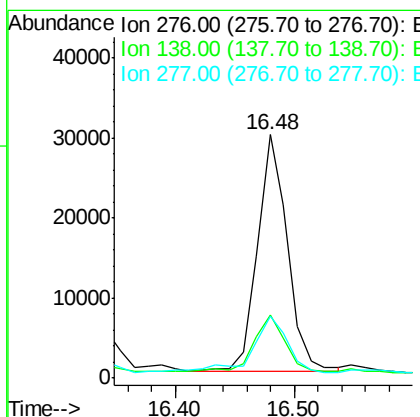
Manual Integrations

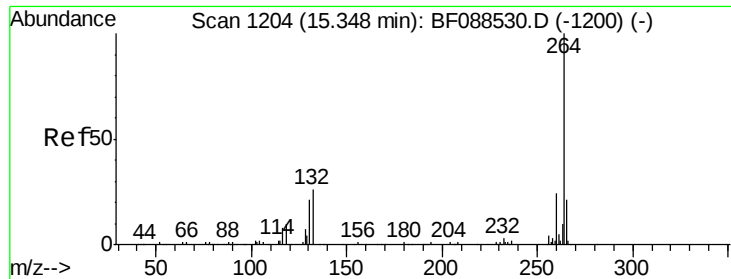
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.92 ng
 RT: 16.48 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF089010.D
 Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	0.0	0.0#
277	29.1	0.0	0.0#





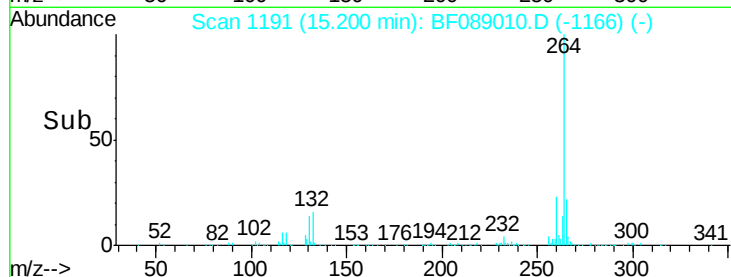
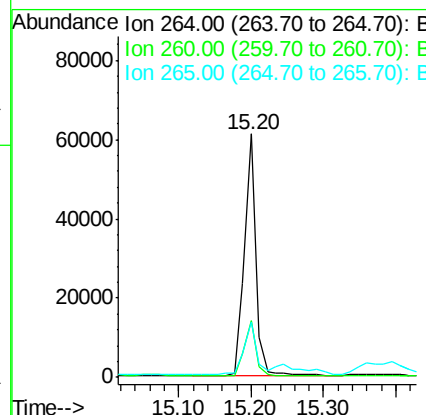
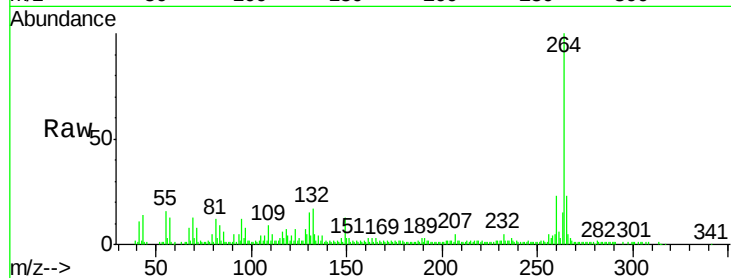
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.8	16.9	25.3

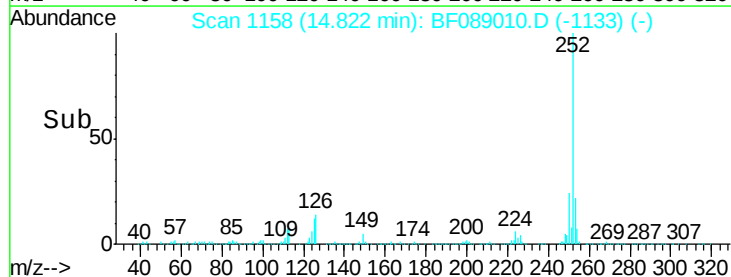
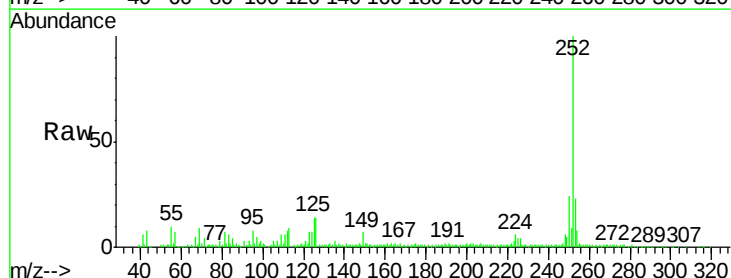
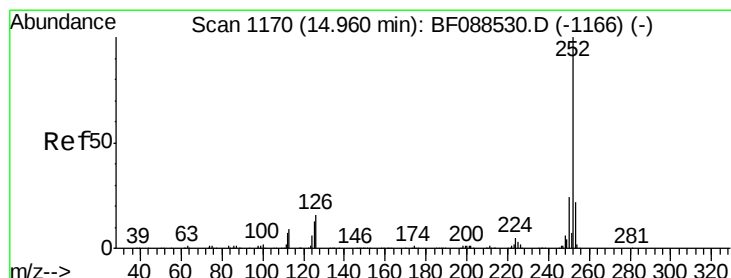
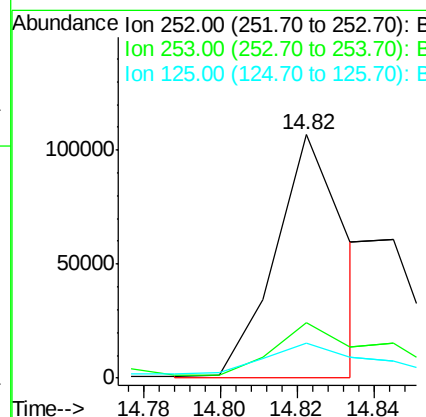
Manual Integrations

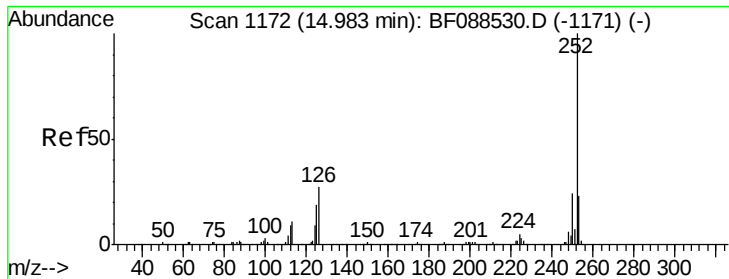
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#87
Benzo(b)fluoranthene
Concen: 32.16 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	14.4	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 12.87 ng

RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Instrument :

BNA_F

ClientSampleId :

LSS-SS-SS04(0-2in)

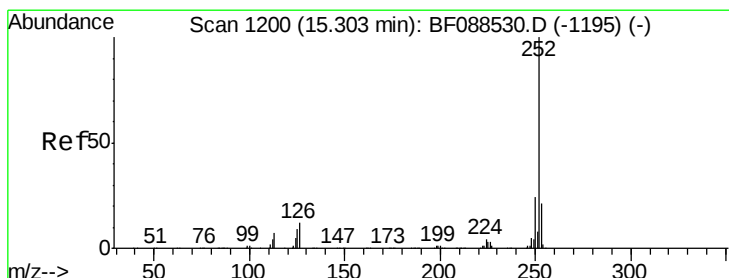
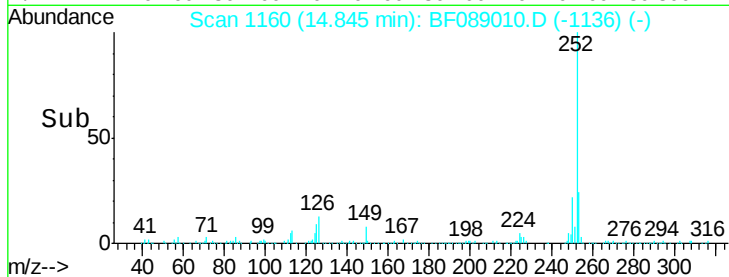
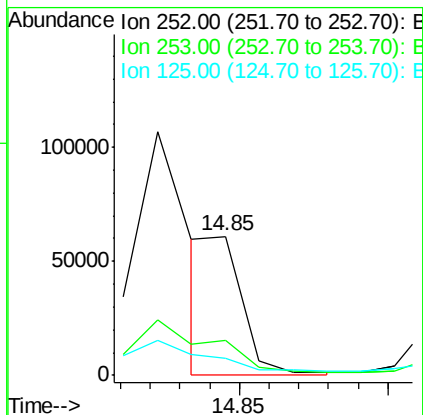
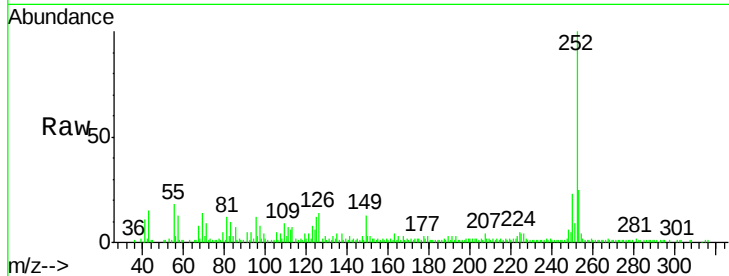
Tot Ion:	252	Resp:	48317
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.0	27.0
125	12.3	11.2	16.8

Manual Integrations

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#89

Benzo(a)pyrene

Concen: 24.73 ng

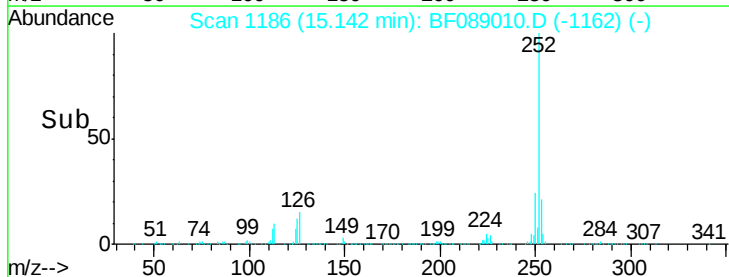
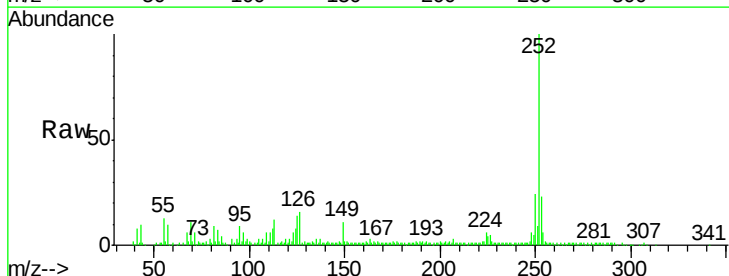
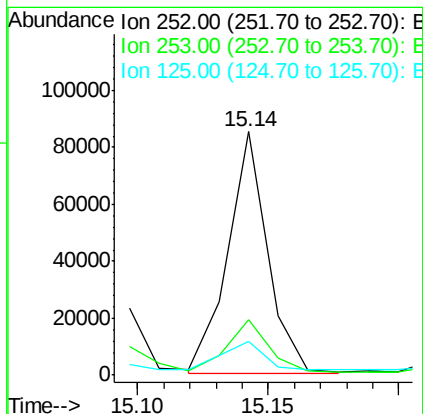
RT: 15.14 min Scan# 1186

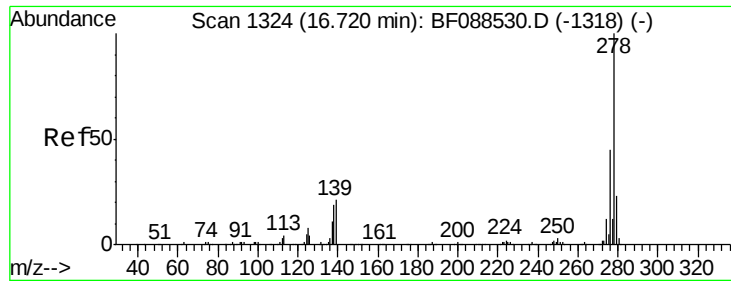
Delta R.T. -0.02 min

Lab File: BF089010.D

Acq: 15 Jul 2016 3:21

Tgt Ion:	252	Resp:	90260
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	13.9	12.5	18.7





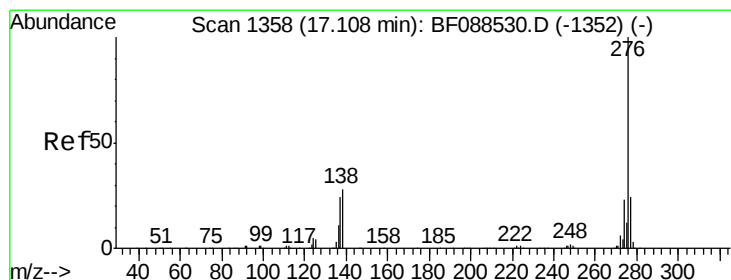
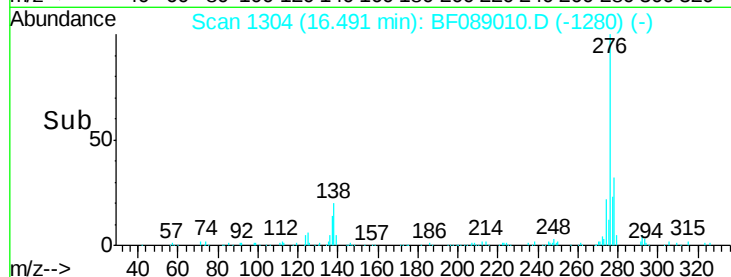
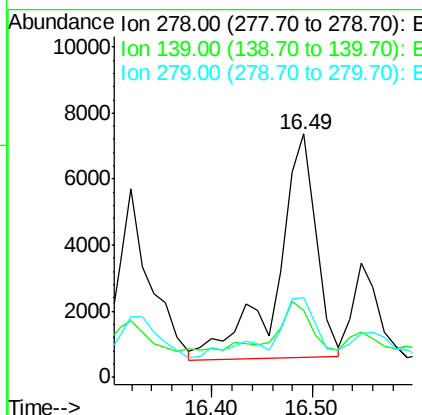
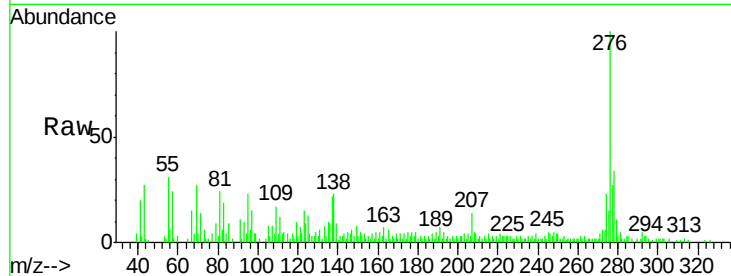
#90
Dibenzo(a,h)anthracene
Concen: 5.99 ng
RT: 16.49 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Instrument :
BNA_F
ClientSampleId :
LSS-SS-SS04(0-2in)

Tot Ion	Ion	Ratio	Lower	Upper
278	100			
139	27.4	15.7	23.5	
279	32.6	19.4	29.2	

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 16.43 ng
RT: 16.87 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF089010.D
Acq: 15 Jul 2016 3:21

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
277	26.2	18.9	28.3	
138	25.7	21.4	32.2	

