

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088910.D
 Acq On : 11 Jul 2016 20:23
 Operator : UM/SJ
 Sample : H3915-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B7-0-5-C

Manual Integrations

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 7/12/2016 7:35:53 PM

Quant Time: Jul 12 03:04:58 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	63135	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	254022	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	94208	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	156220	20.00	ng	0.00
75) Chrysene-d12	13.84	240	128935	20.00	ng	-0.01
86) Perylene-d12	15.22	264	116150	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	435724	103.43	ng	0.01
7) Phenol-d6	6.35	99	488506	89.74	ng	0.00
23) Nitrobenzene-d5	7.28	82	368408	76.00	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	92063	105.24	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	524268	87.90	ng	0.00
78) Terphenyl-d14	12.80	244	389877	67.35	ng	0.00
Target Compounds						
32) Benzoic acid	7.72	122	8567	2.83	ng	Qvalue # 83
49) Dimethylphthalate	9.47	163	98512	14.68	ng	98
70) Phenanthrene	11.24	178	31059	3.64	ng	96
74) Fluoranthene	12.42	202	73497	8.49	ng	98
77) Pyrene	12.65	202	62903	5.75	ng	99
80) Benzo(a)anthracene	13.83	228	42124	5.07	ng	93
82) Chrysene	13.86	228	32632m	3.97	ng	
83) Bis(2-ethylhexyl)phthalate	13.85	149	21736	3.90	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.50	276	19449	3.08	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	47021m	6.45	ng	
88) Benzo(k)fluoranthene	14.85	252	20974m	3.31	ng	
89) Benzo(a)pyrene	15.15	252	28271	4.58	ng	# 89
91) Benzo(g,h,i)perylene	16.88	276	21964	4.12	ng	95

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

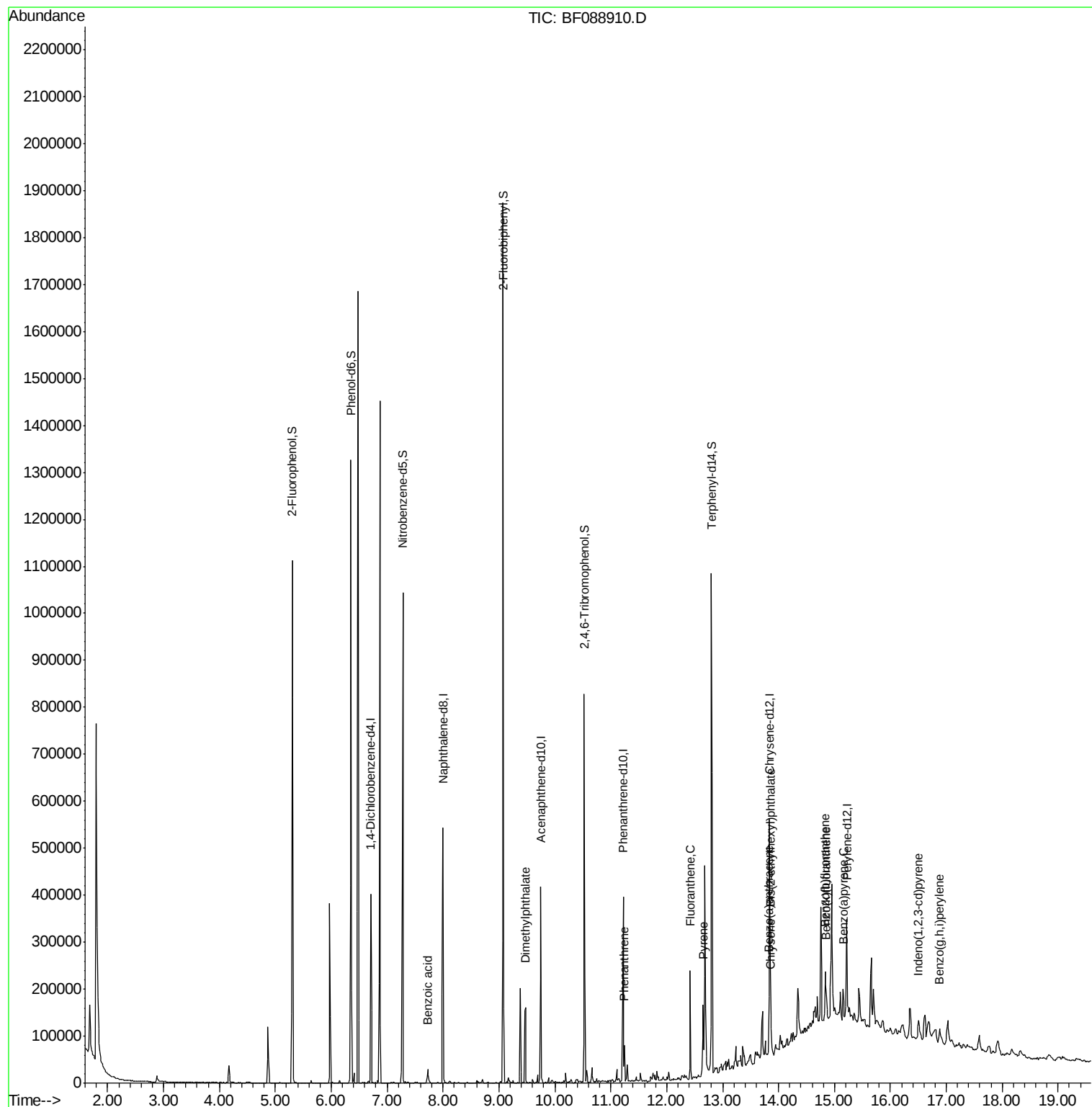
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
Data File : BF088910.D
Acq On : 11 Jul 2016 20:23
Operator : UM/SJ
Sample : H3915-13
Misc :
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Instrument :
BNA_F
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Q6-B7-0-5-C

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#1

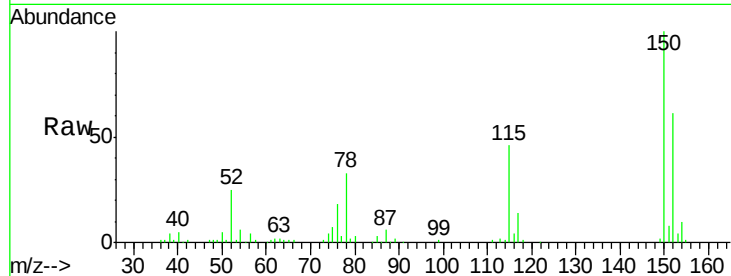
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampleId :
Q6-B7-0-5-C

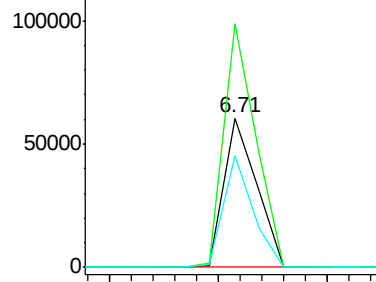
Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.2	123.8	185.6
115	75.3	39.6	59.4

Manual Integrations

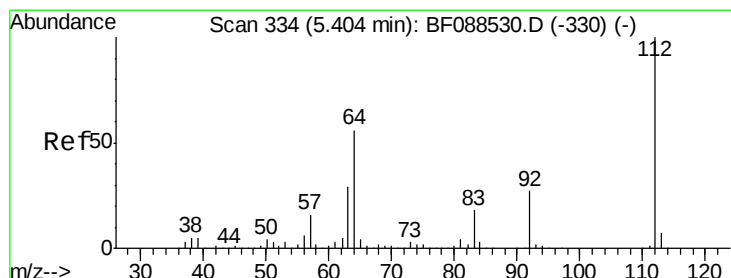
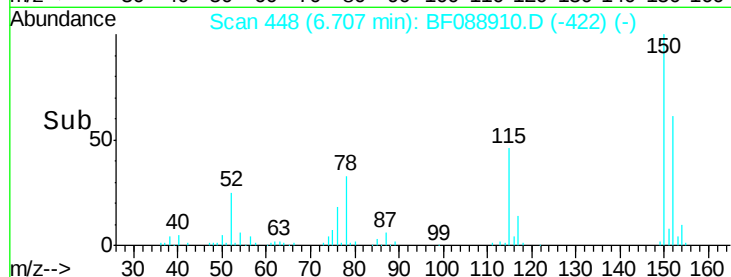
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



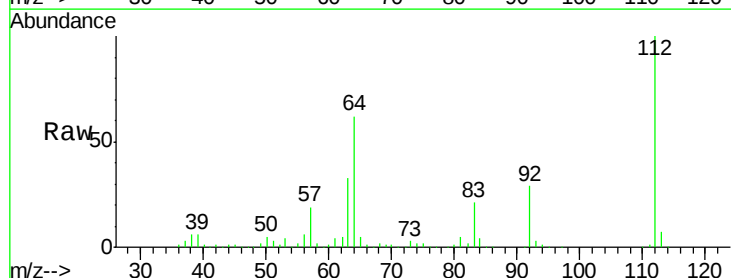
Time-->



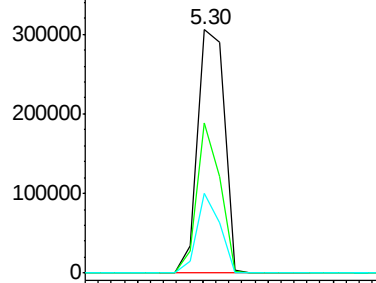
#5

2-Fluorophenol
Concen: 103.43 ng
RT: 5.30 min Scan# 325
Delta R.T. 0.01 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

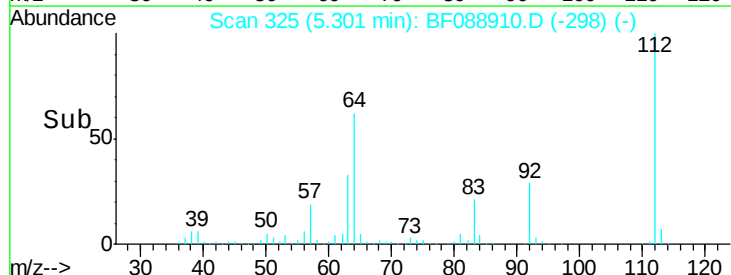
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	42.2	63.2
63	33.0	21.8	32.8



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



Time-->





#7

Phenol-d6

Concen: 89.74 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088910.D

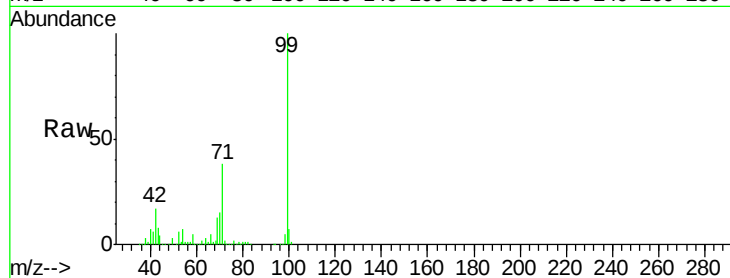
Acq: 11 Jul 2016 20:23

Instrument :

BNA_F

ClientSampleId :

Q6-B7-0-5-C



Tgt Ion: 99 Resp: 488506

Ion Ratio Lower Upper

99 100

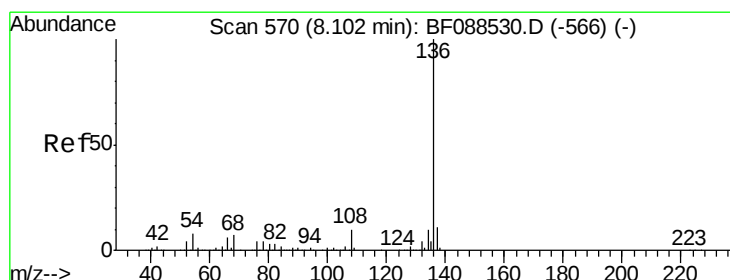
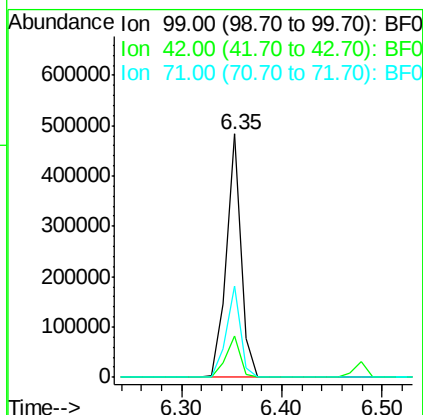
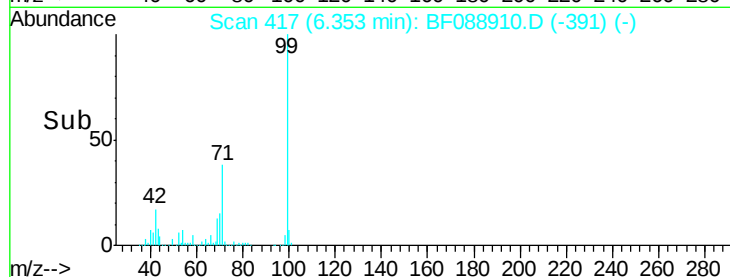
42 17.1 12.2 18.2

71 37.6 23.4 35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088910.D

Acq: 11 Jul 2016 20:23

Tgt Ion: 136 Resp: 254022

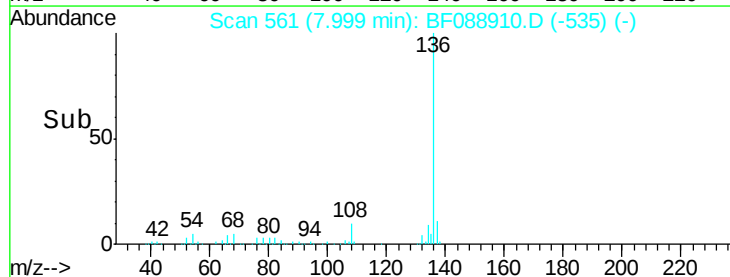
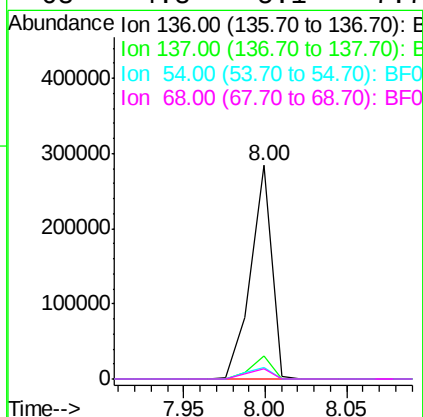
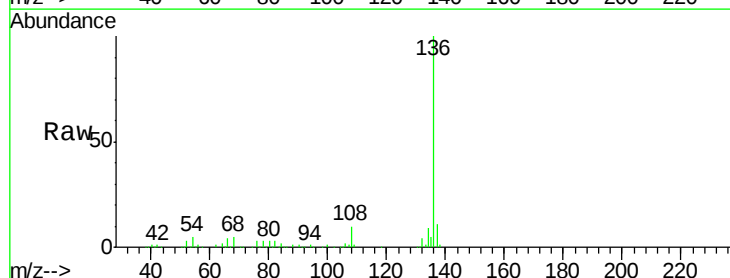
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.4 6.6 10.0#

68 4.8 5.1 7.7#





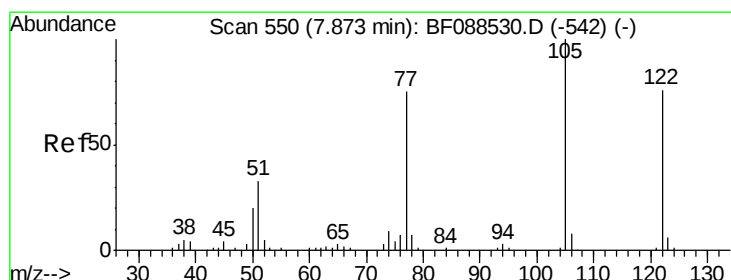
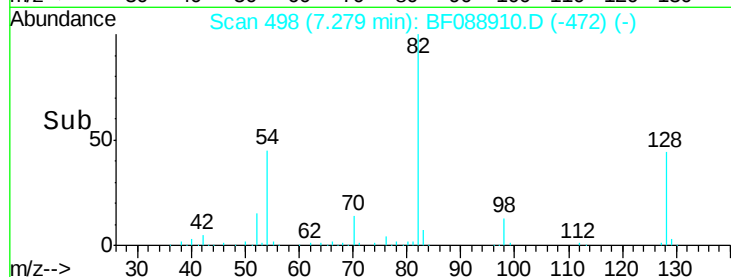
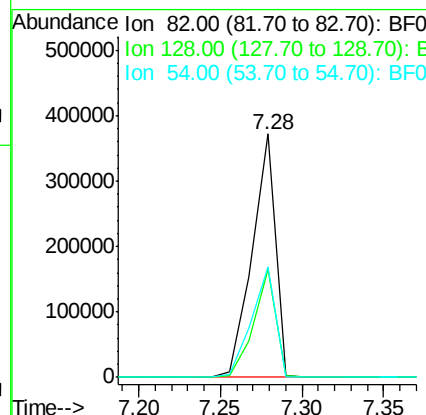
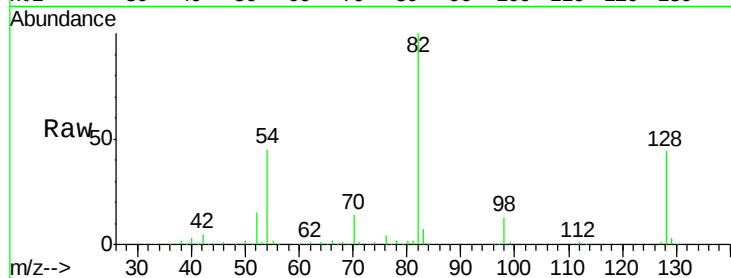
#23
Nitrobenzene-d5
Concen: 76.00 ng
RT: 7.28 min Scan# 498
Delta R.T. 0.00 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampled :
Q6-B7-0-5-C

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.9	53.9
54	45.2	40.9	61.3

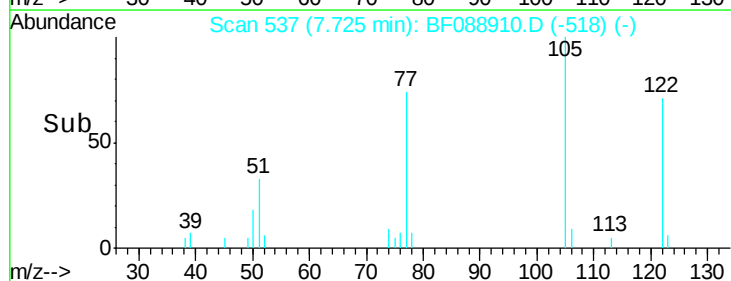
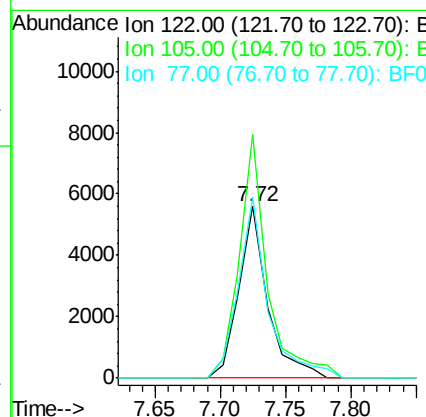
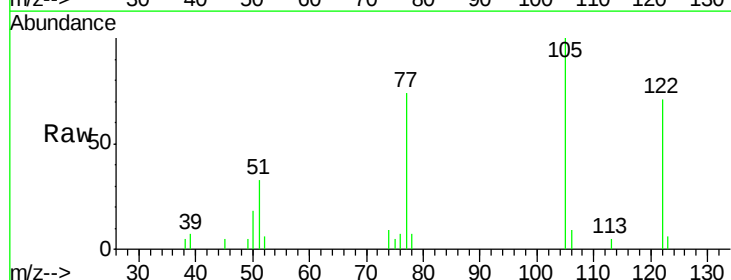
Manual Integrations

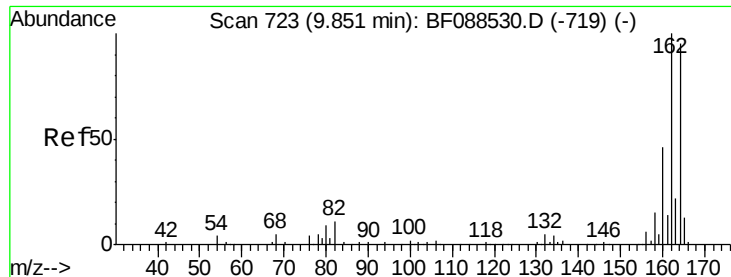
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#32
Benzoic acid
Concen: 2.83 ng
RT: 7.72 min Scan# 537
Delta R.T. -0.08 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

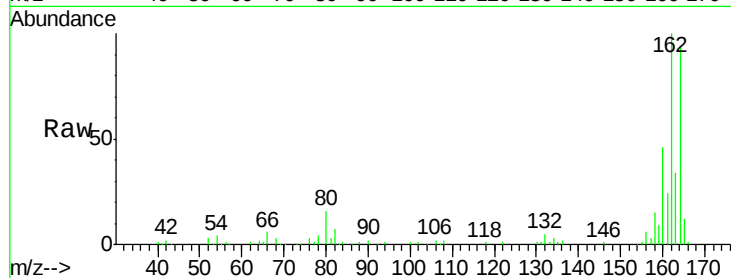
Tgt Ion	Ratio	Lower	Upper
122	100		
105	141.7	101.6	141.6#
77	105.5	70.6	110.6





#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: BF088910.D
 Acq: 11 Jul 2016 20:23

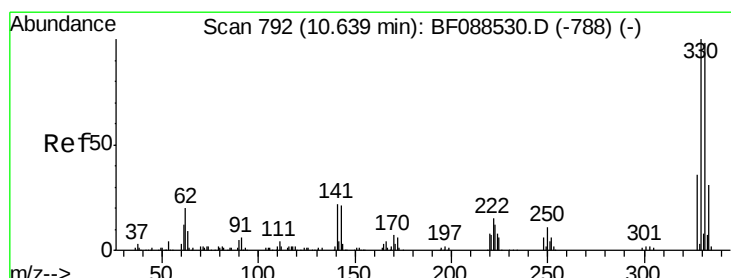
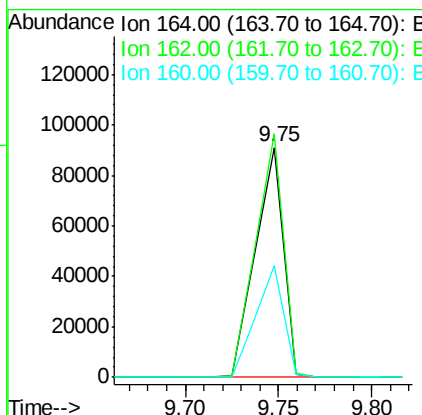
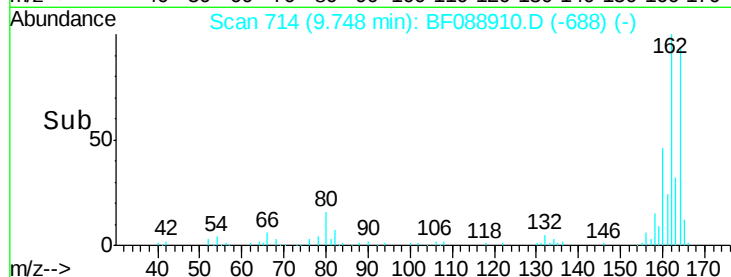
Instrument :
 BNA_F
 ClientSampleId :
 Q6-B7-0-5-C



Tgt Ion:164 Resp: 94208
 Ion Ratio Lower Upper
 164 100
 162 106.0 85.4 128.2
 160 48.8 39.5 59.3

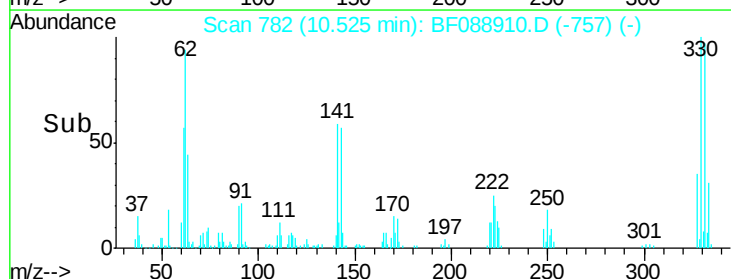
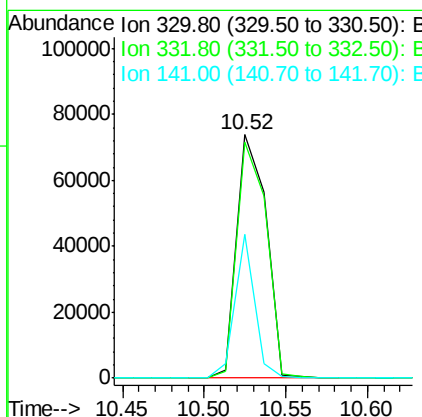
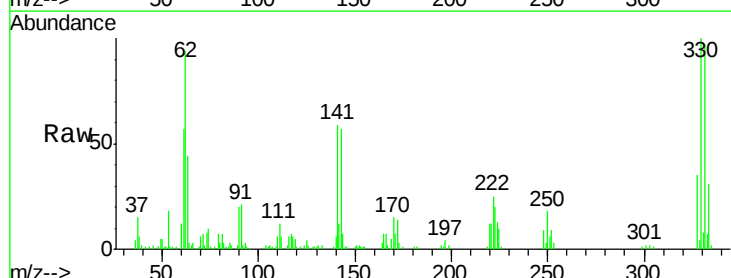
Manual Integrations

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#41
 2,4,6-Tribromophenol
 Concen: 105.24 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF088910.D
 Acq: 11 Jul 2016 20:23

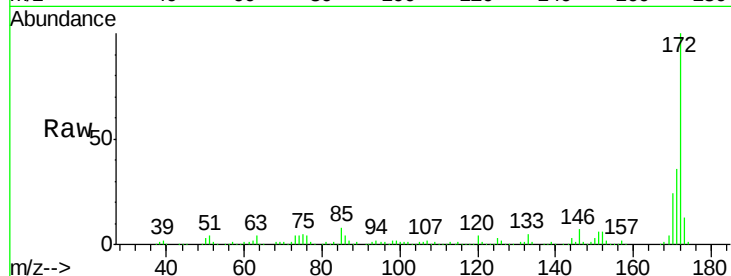
Tgt Ion:330 Resp: 92063
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 39.4 0.0 0.0#





#44
 2-Fluorobiphenyl
 Concen: 87.90 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088910.D
 Acq: 11 Jul 2016 20:23

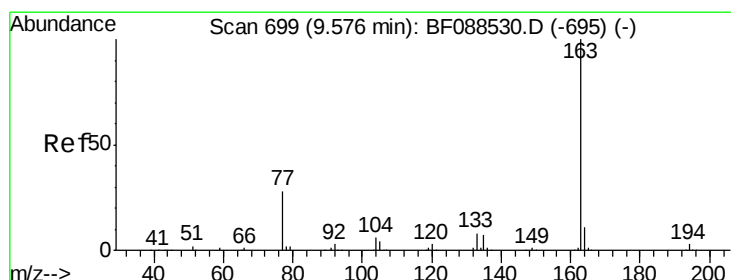
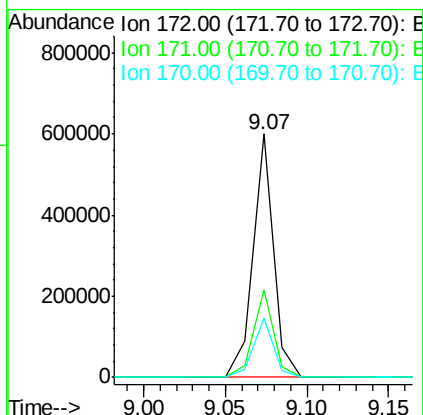
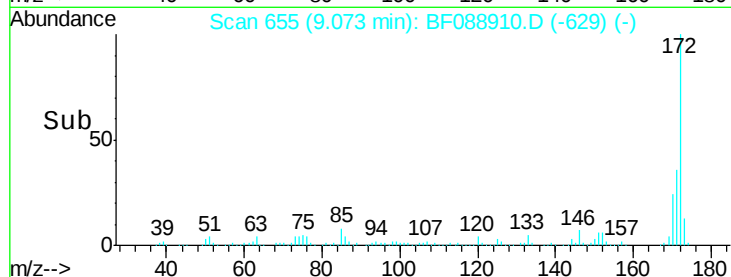
Instrument :
 BNA_F
 ClientSampleId :
 Q6-B7-0-5-C



Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.3	19.2	28.8

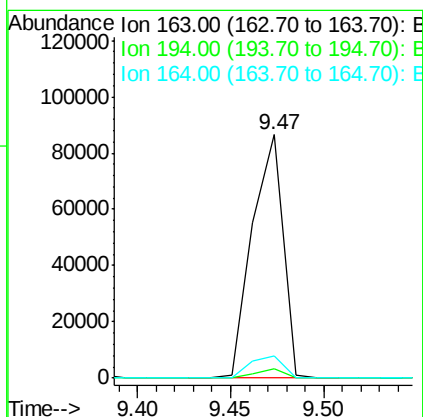
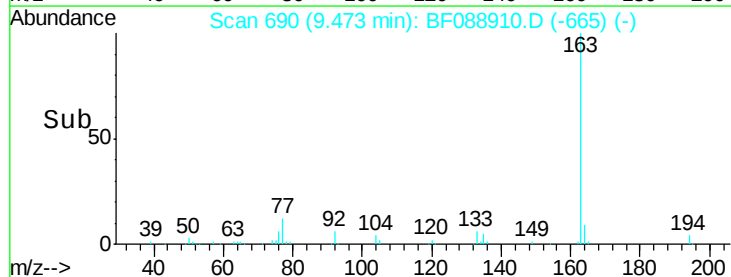
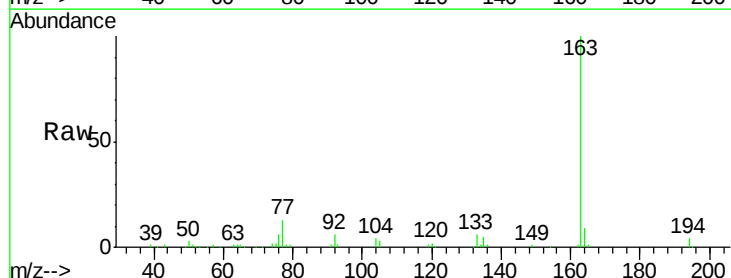
Manual Integrations

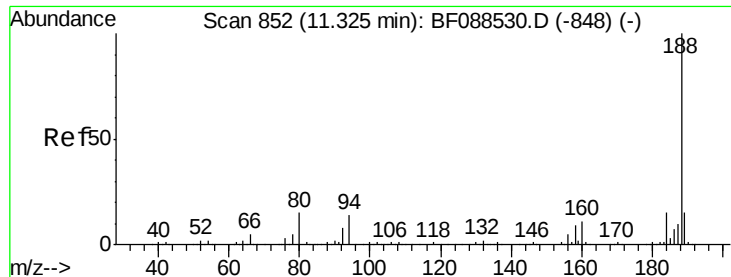
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#49
 Dimethylphthalate
 Concen: 14.68 ng
 RT: 9.47 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: BF088910.D
 Acq: 11 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.3	8.3	12.5





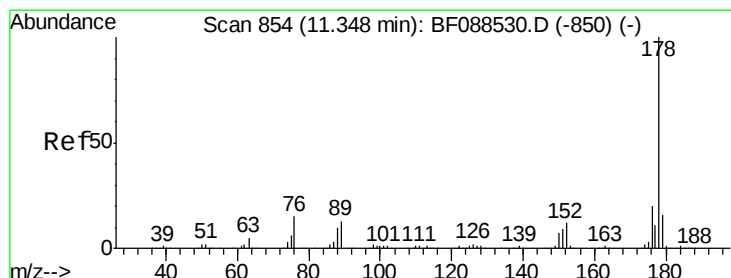
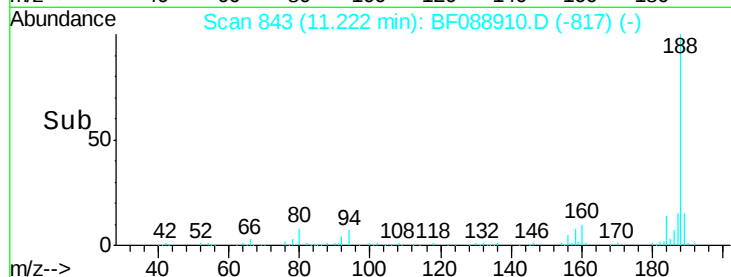
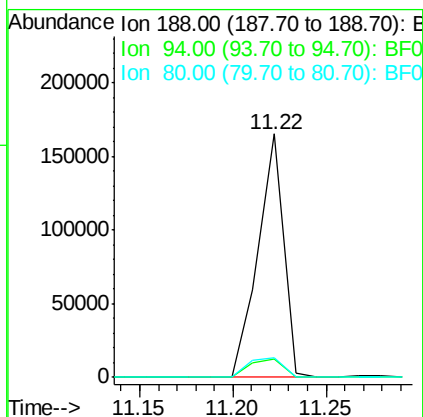
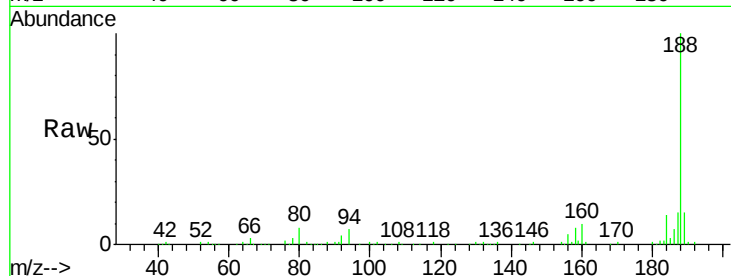
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.00 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampleId :
Q6-B7-0-5-C

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	156220		
94	7.3	9.0	13.6#	
80	7.9	10.0	15.0#	

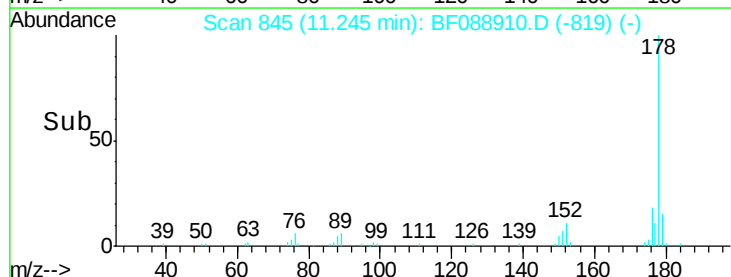
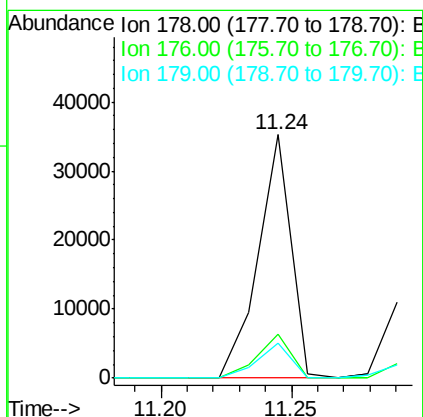
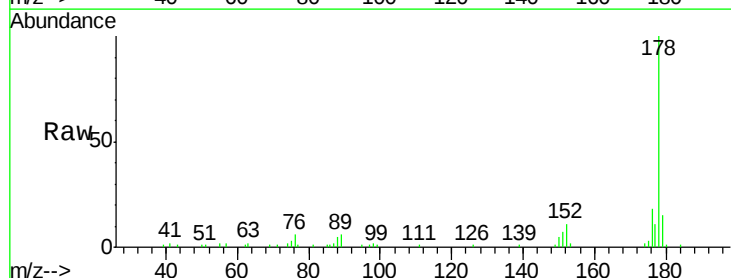
Manual Integrations

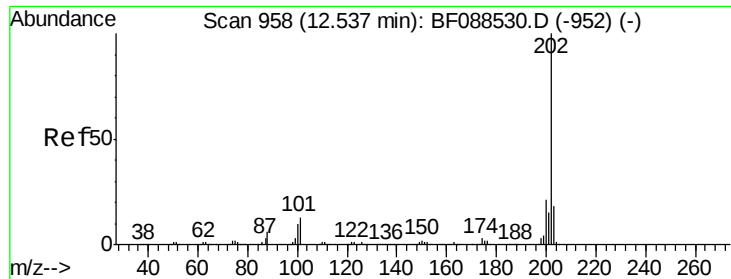
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#70
Phenanthrene
Concen: 3.64 ng
RT: 11.24 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	31059		
176	18.0	15.8	23.6	
179	14.5	13.0	19.4	





#74

Fluoranthene

Concen: 8.49 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088910.D

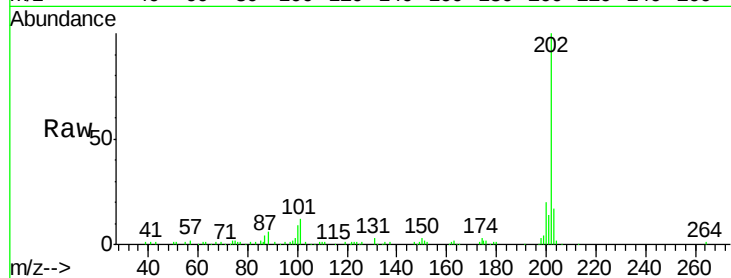
Acq: 11 Jul 2016 20:23

Instrument :

BNA_F

ClientSampleId :

Q6-B7-0-5-C

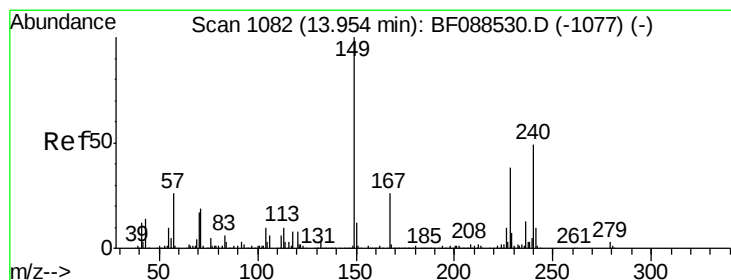
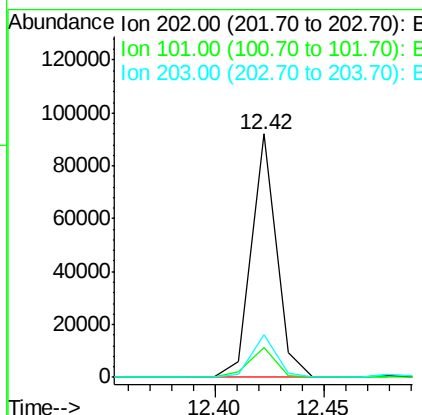
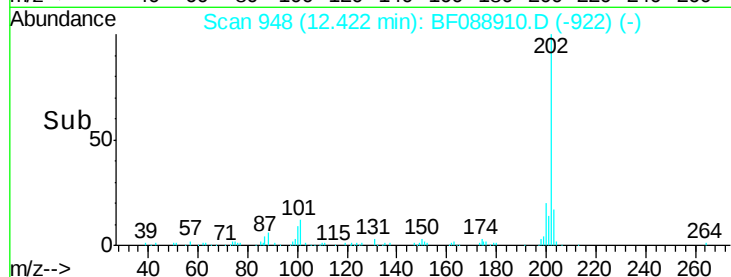


Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.1
203	17.4	0.0	38.1

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

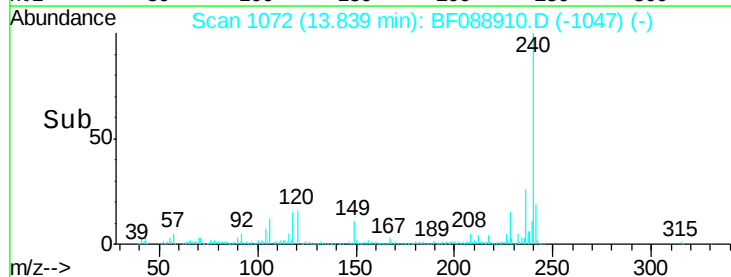
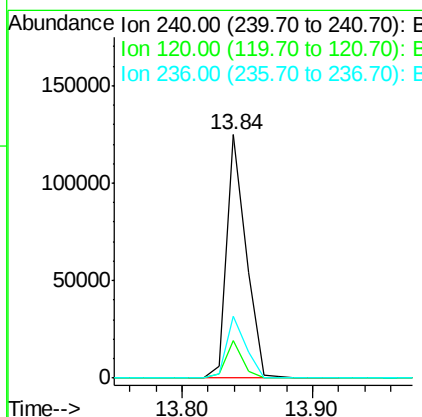
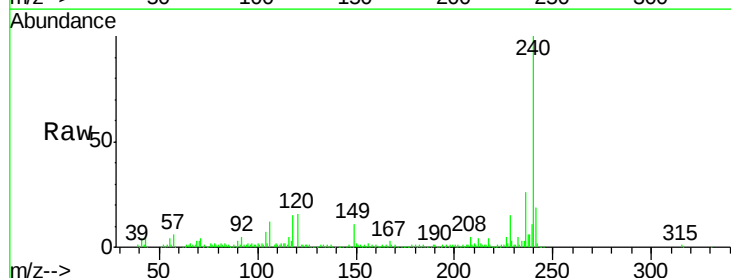
RT: 13.84 min Scan# 1072

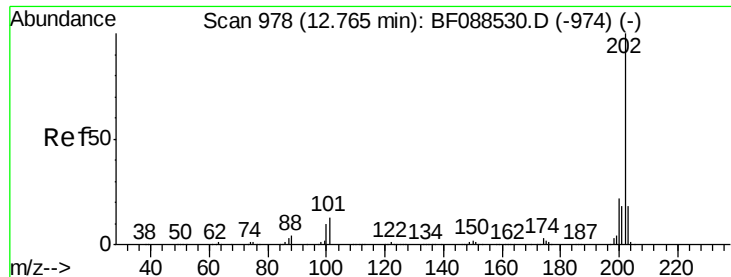
Delta R.T. -0.01 min

Lab File: BF088910.D

Acq: 11 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.5	6.8	10.2#
236	25.7	20.2	30.2





#77

Pyrene

Concen: 5.75 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF088910.D

Acq: 11 Jul 2016 20:23

Instrument :

BNA_F

ClientSampleId :

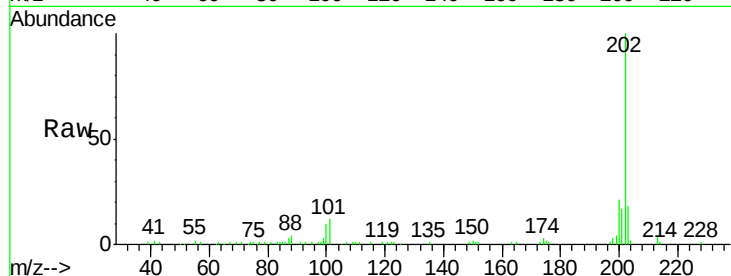
Q6-B7-0-5-C

Tgt Ion:	202	Resp:	62903
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.0	14.5	21.7

Manual Integrations

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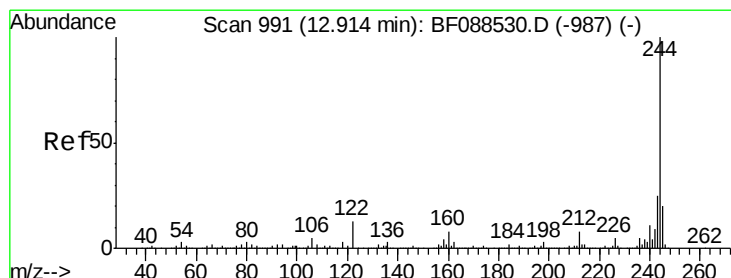
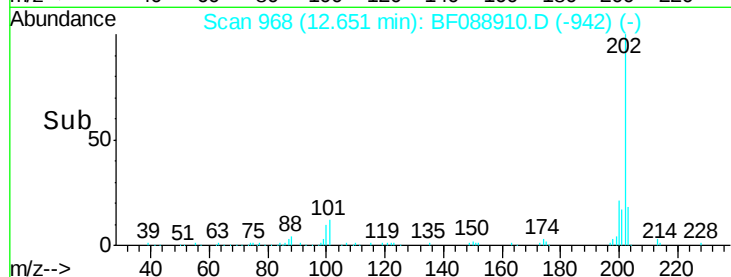
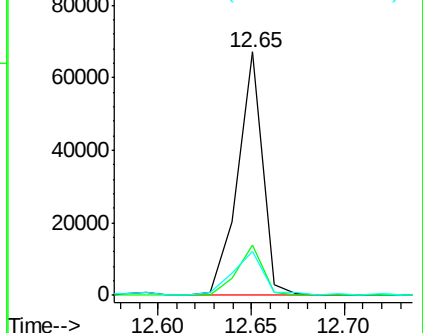
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 67.35 ng

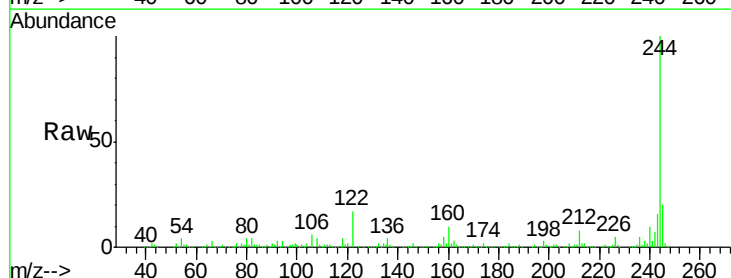
RT: 12.80 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF088910.D

Acq: 11 Jul 2016 20:23

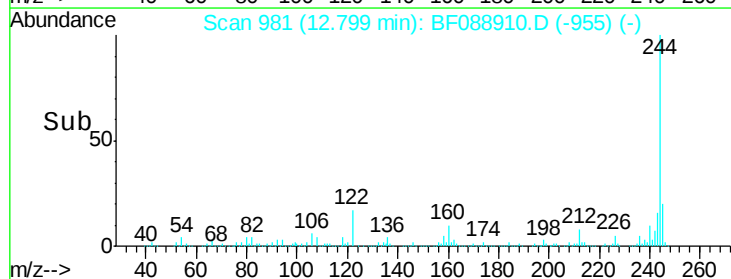
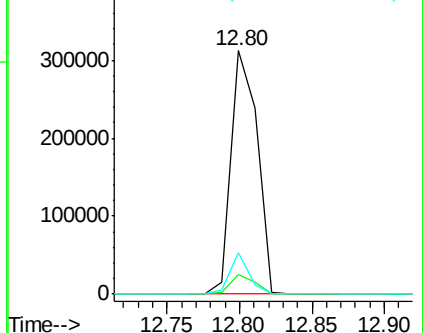
Tgt Ion:	244	Resp:	389877
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.0	9.0
122	16.8	11.2	16.8

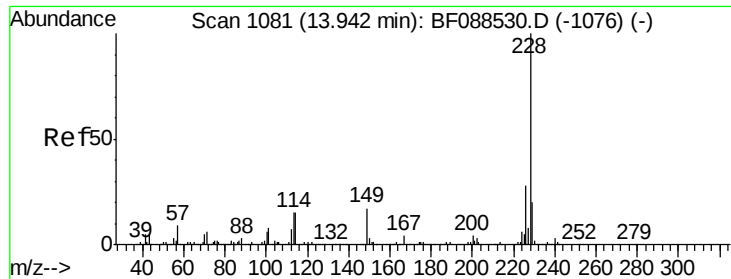


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





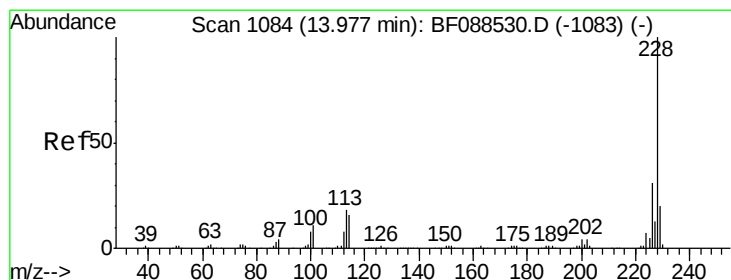
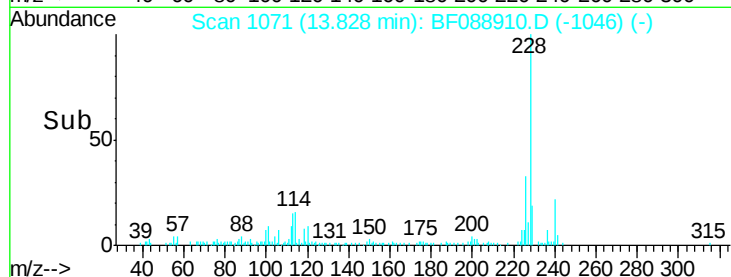
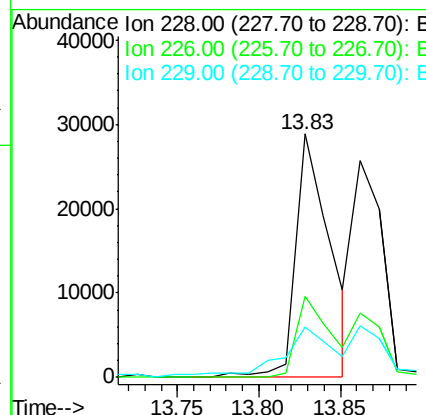
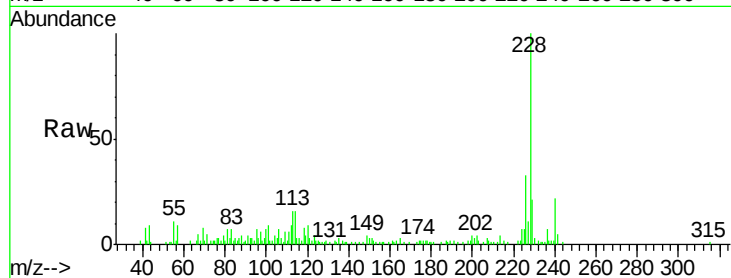
#80
Benzo(a)anthracene
Concen: 5.07 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampleId :
Q6-B7-0-5-C

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.3	33.5
229	20.6	16.0	24.0

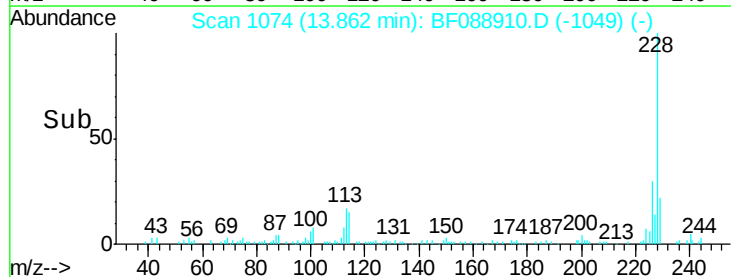
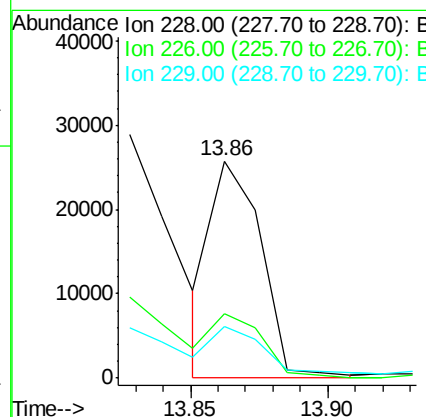
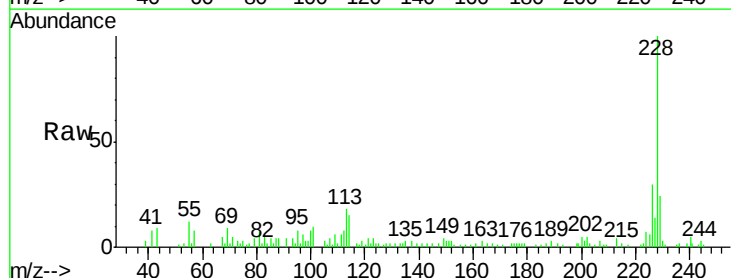
Manual Integrations

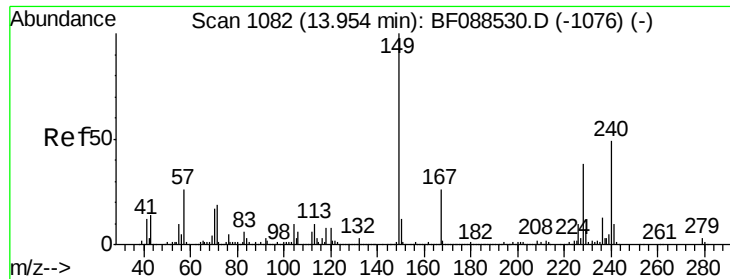
sohil
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#82
Chrysene
Concen: 3.97 ng m
RT: 13.86 min Scan# 1074
Delta R.T. -0.01 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	23.8	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.90 ng

RT: 13.85 min Scan# 1073

Delta R.T. 0.01 min

Lab File: BF088910.D

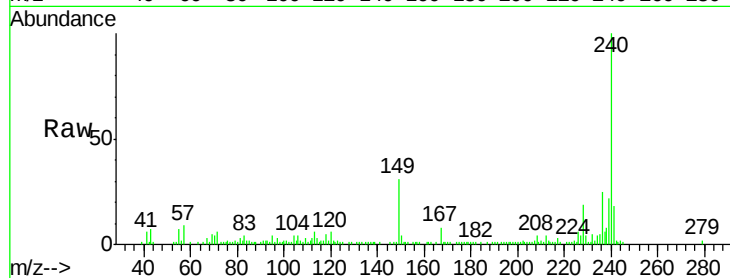
Acq: 11 Jul 2016 20:23

Instrument :

BNA_F

ClientSampleId :

Q6-B7-0-5-C



Tgt Ion:149 Resp: 21736

Ion Ratio Lower Upper

149 100

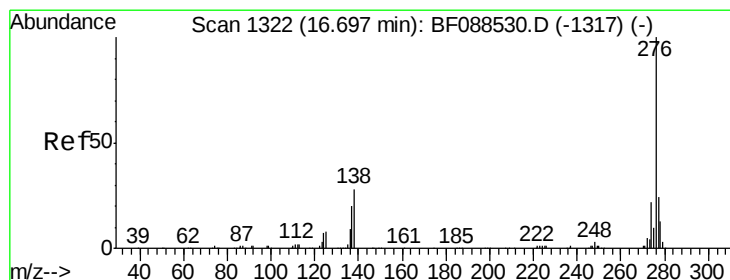
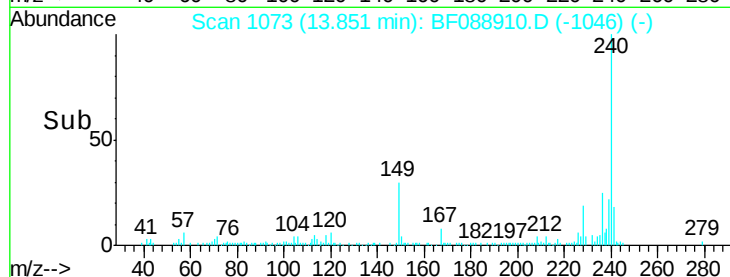
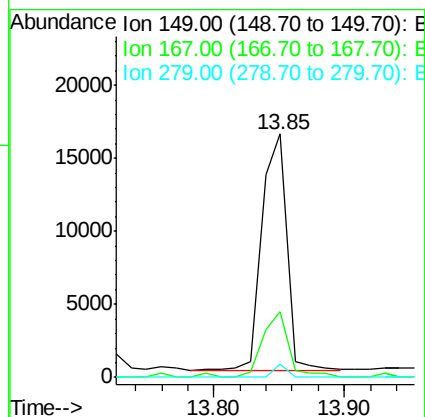
167 27.1 20.5 30.7

279 5.3 2.0 3.0#

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.08 ng

RT: 16.50 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF088910.D

Acq: 11 Jul 2016 20:23

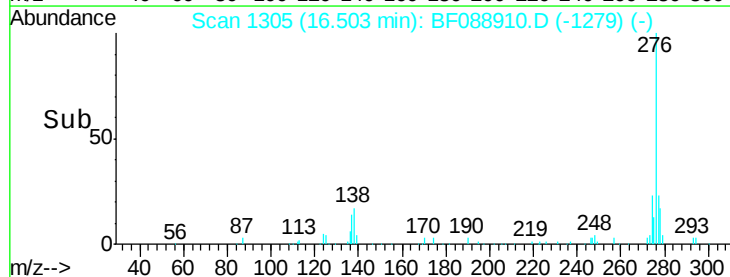
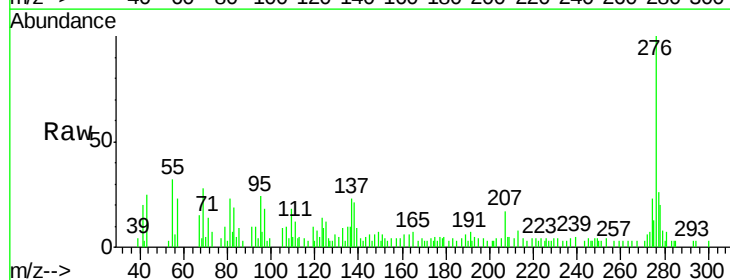
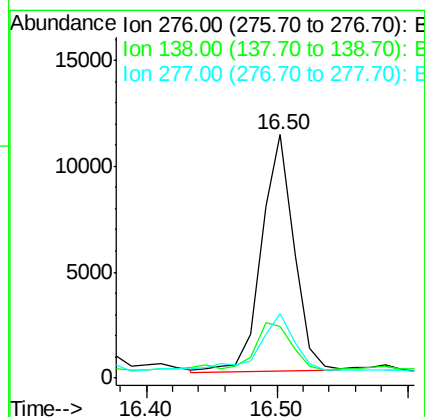
Tgt Ion:276 Resp: 19449

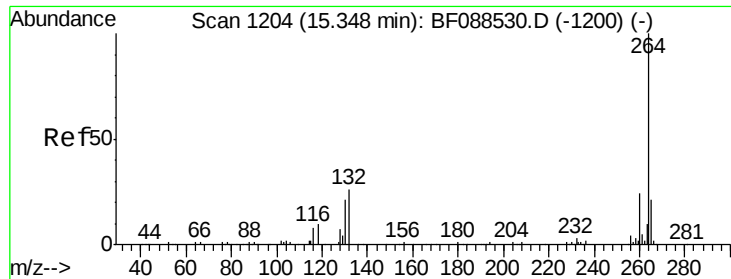
Ion Ratio Lower Upper

276 100

138 24.5 0.0 0.0#

277 28.8 0.0 0.0#





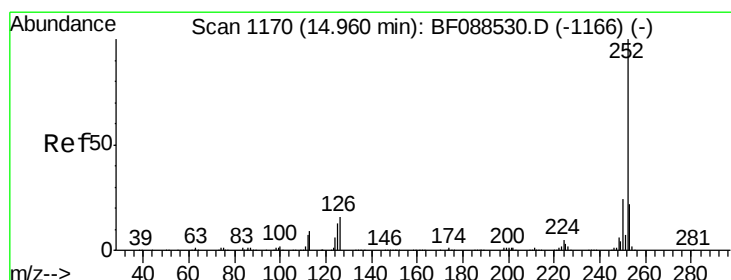
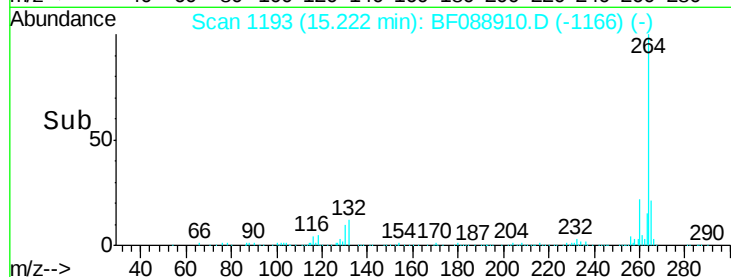
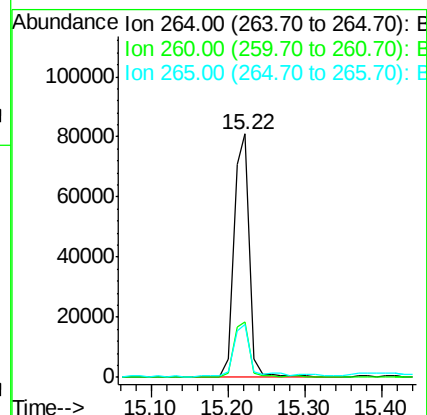
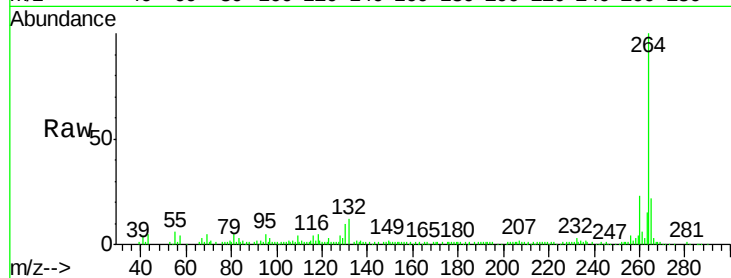
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampled :
Q6-B7-0-5-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.6	16.9	25.3

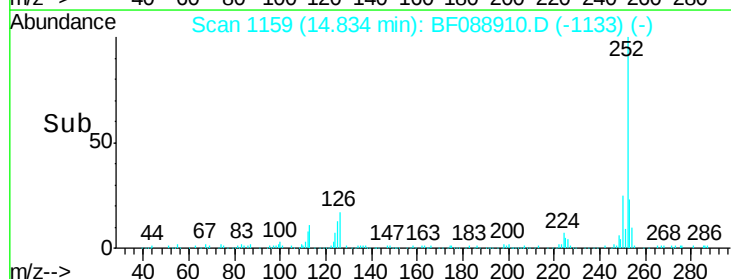
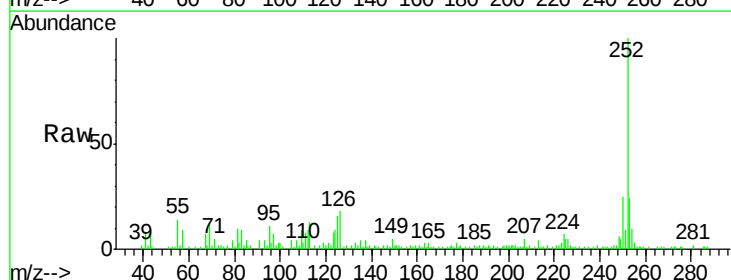
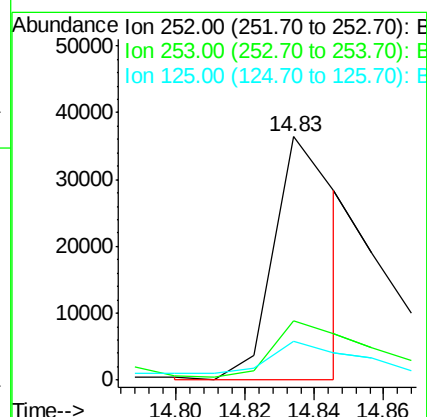
Manual Integrations

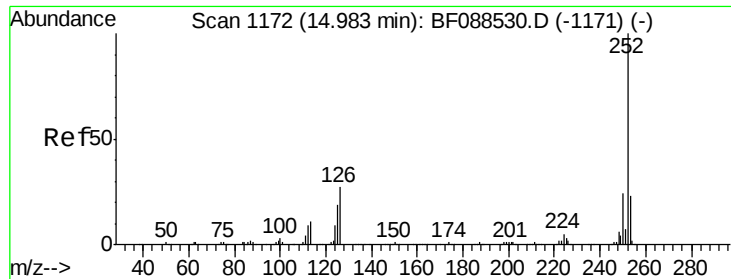
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#87
Benzo(b)fluoranthene
Concen: 6.45 ng m
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	16.0	7.1	10.7#





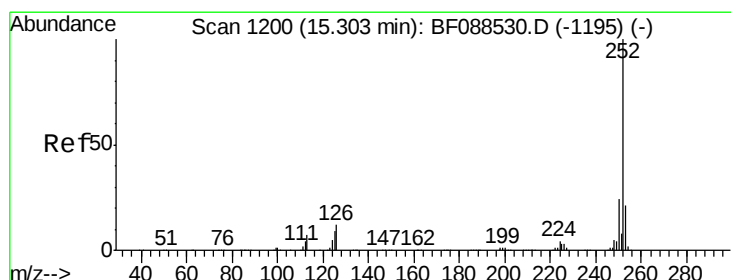
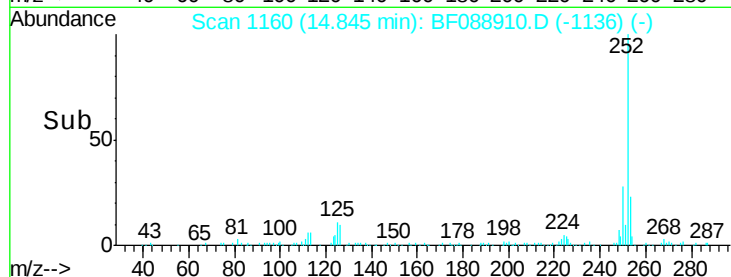
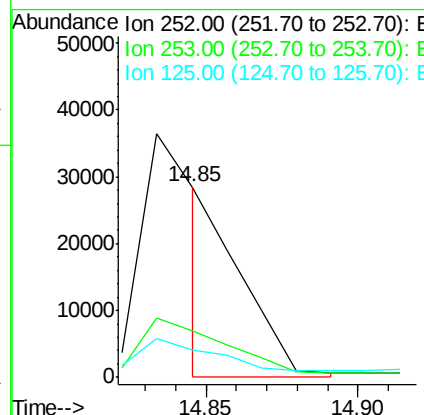
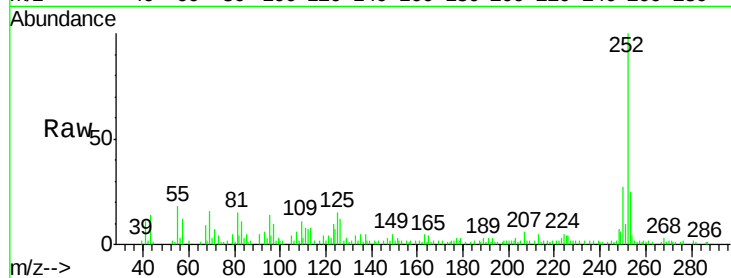
#88
Benzo(k)fluoranthene
Concen: 3.31 ng m
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampleId :
Q6-B7-0-5-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	14.7	11.2	16.8

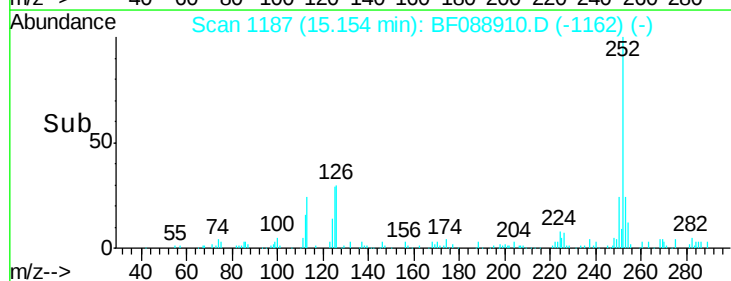
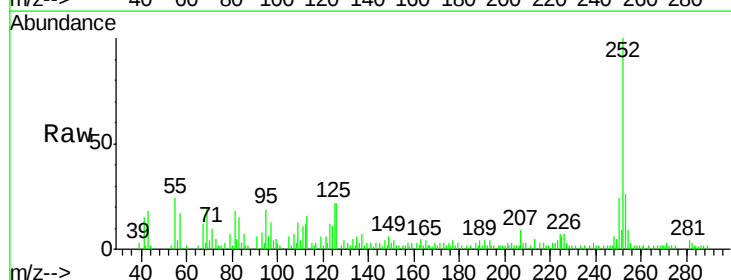
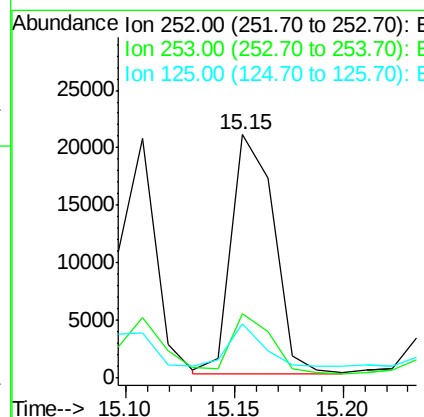
Manual Integrations

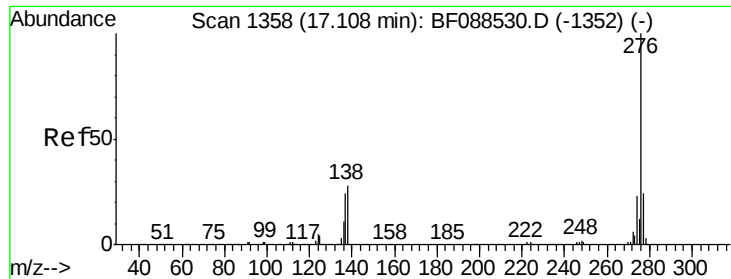
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#89
Benzo(a)pyrene
Concen: 4.58 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	22.0	12.5	18.7





#91
Benzo(g,h,i)perylene
Concen: 4.12 ng
RT: 16.88 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF088910.D
Acq: 11 Jul 2016 20:23

Instrument :
BNA_F
ClientSampleId :
Q6-B7-0-5-C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	29.9	21.4	32.2

Manual Integrations

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