

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087890.D
 Acq On : 10 Jun 2016 22:44
 Operator : UM/SJ
 Sample : H3395-22
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-975-PLATFORM(0-4)

Manual Integrations
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 6/13/2016 7:11:45 PM

Quant Time: Jun 11 03:26:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	113387	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	444080	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	173048	20.00	ng	-0.03
63) Phenanthrene-d10	11.33	188	264580	20.00	ng	-0.03
75) Chrysene-d12	13.97	240	185771	20.00	ng	-0.02
86) Perylene-d12	15.38	264	139608	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	556388	83.89	ng	-0.02
7) Phenol-d6	6.46	99	893112	111.11	ng	-0.02
23) Nitrobenzene-d5	7.38	82	541797	71.24	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	148713	81.39	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	771085	68.95	ng	-0.03
78) Terphenyl-d14	12.91	244	493025	60.39	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	150870	8.47	ng	98
49) Dimethylphthalate	9.56	163	103963	8.29	ng	100
70) Phenanthrene	11.35	178	280803	20.23	ng	99
71) Anthracene	11.41	178	211492	15.10	ng	98
72) Carbazole	11.55	167	97563	7.44	ng	96
74) Fluoranthene	12.54	202	804525	54.91	ng	98
77) Pyrene	12.77	202	780186	56.60	ng	99
80) Benzo(a)anthracene	13.95	228	441423	41.70	ng	93
82) Chrysene	13.99	228	416329m	41.80	ng	
83) Bis(2-ethylhexyl)phthalate	13.95	149	16784	2.26	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.75	276	170108	18.38	ng	# 100
87) Benzo(b)fluoranthene	14.98	252	449199m	46.16	ng	
88) Benzo(k)fluoranthene	15.01	252	140927m	19.20	ng	
89) Benzo(a)pyrene	15.33	252	243057	30.87	ng	97
90) Dibenzo(a,h)anthracene	16.75	278	44158	6.04	ng	# 75
91) Benzo(g,h,i)perylene	17.17	276	162512	21.61	ng	99

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



#1

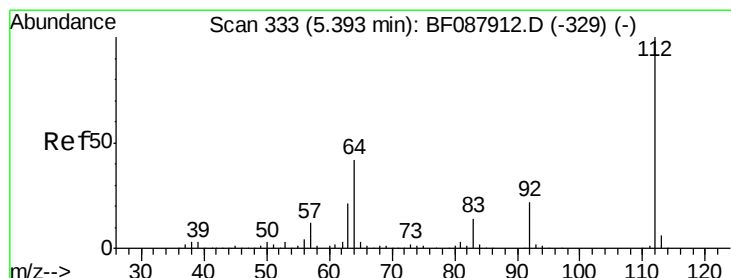
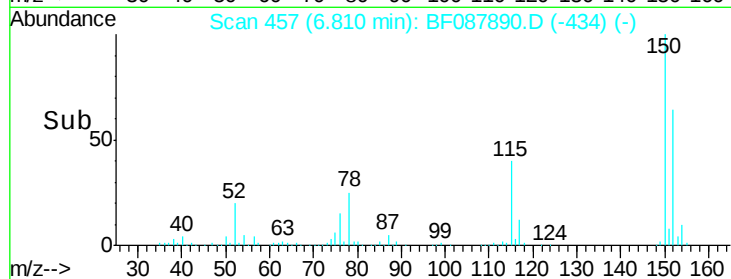
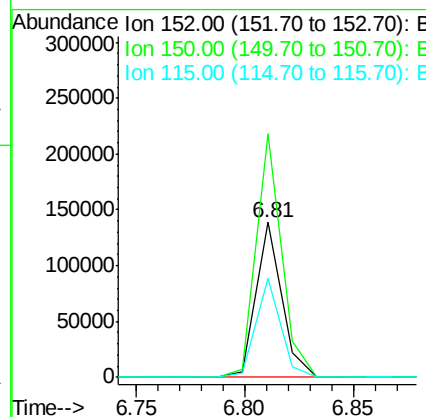
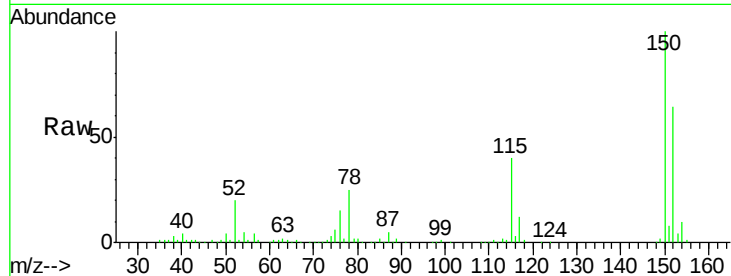
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	113387		
150	157.1	123.8	185.6	
115	63.6	39.6	59.4	

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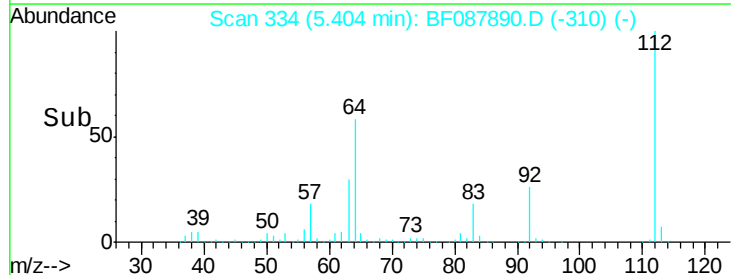
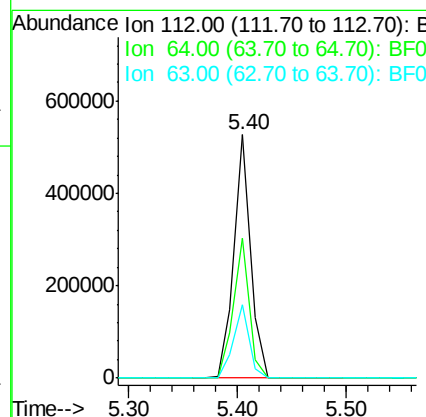
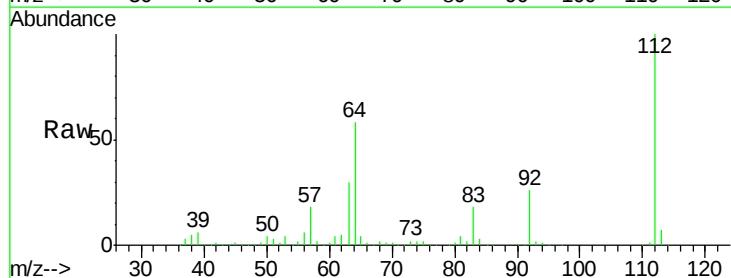
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#5

2-Fluorophenol
Concen: 83.89 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	556388		
64	57.5	42.2	63.2	
63	30.2	21.8	32.8	





#7

Phenol-d6

Concen: 111.11 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

Instrument :

BNA_F

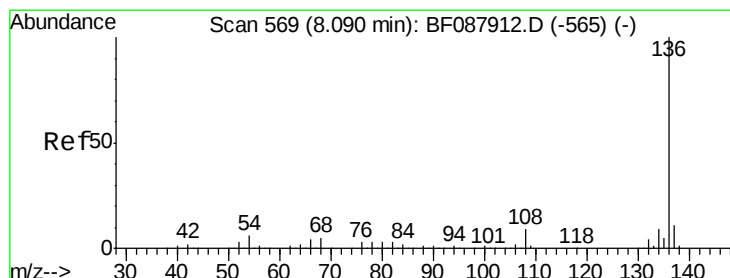
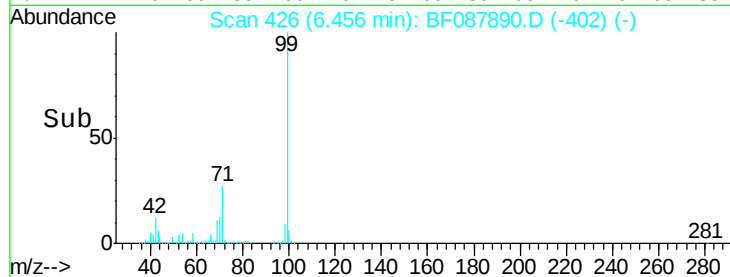
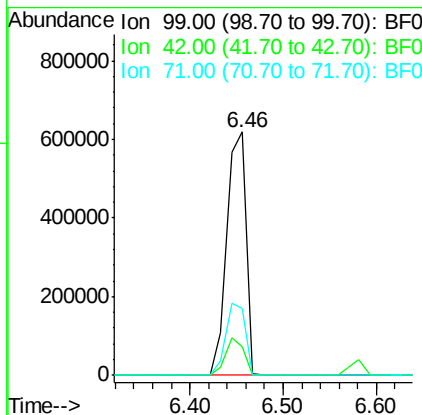
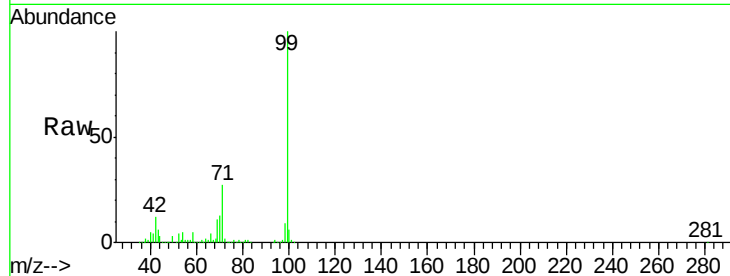
ClientSampleId :

STA-975-PLATFORM(0-4)

Tot Ion:	99	Resp:	893112
Ion Ratio	Lower	Upper	
99	100		
42	11.6	12.2	18.2#
71	27.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

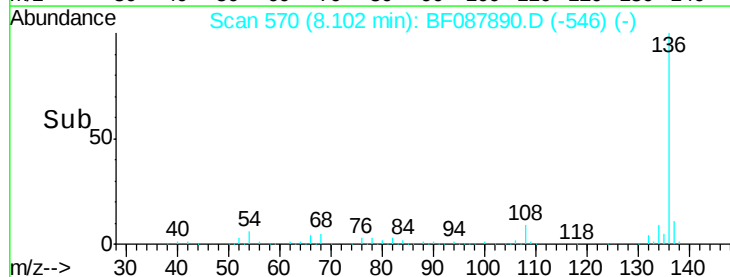
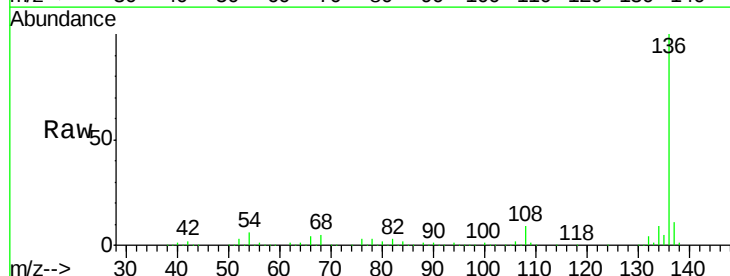
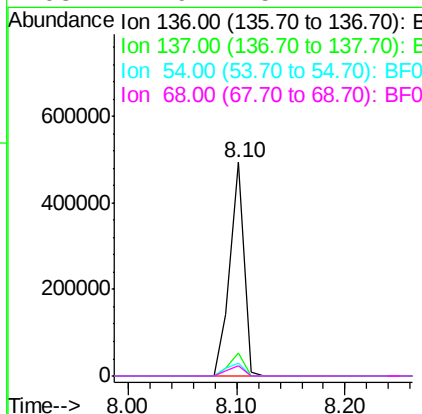
RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

Tgt Ion:	136	Resp:	444080
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	5.8	6.6	10.0#
68	4.9	5.1	7.7#





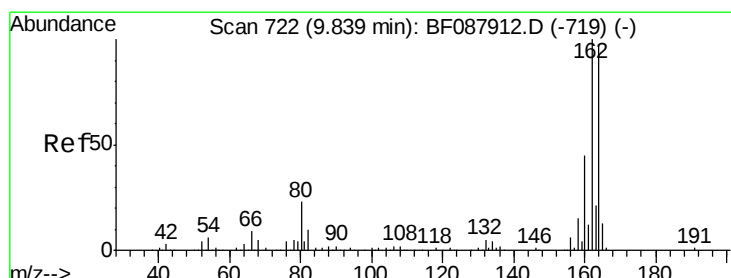
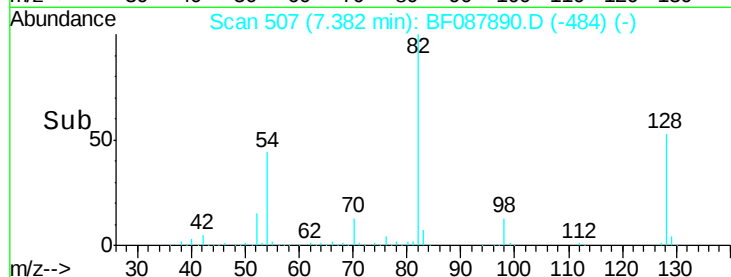
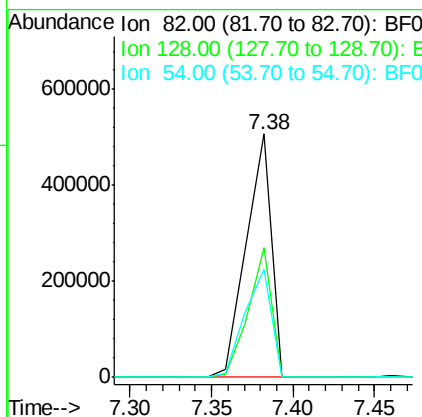
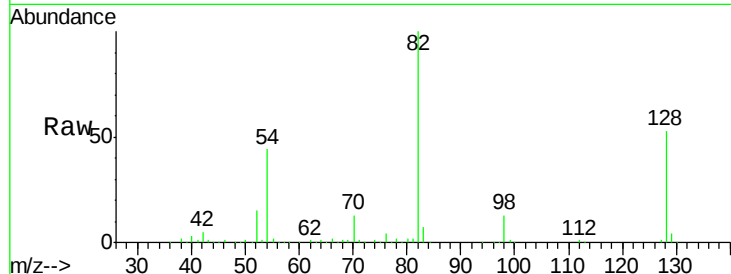
#23
 Nitrobenzene-d5
 Concen: 71.24 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087890.D
 Acq: 10 Jun 2016 22:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-975-PLATFORM(0-4)

Tot Ion:	82	Resp:	541797
Ion Ratio	Lower	Upper	
82	100		
128	53.0	35.9	53.9
54	44.4	40.9	61.3

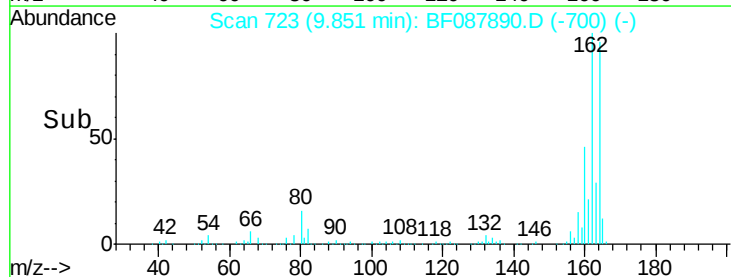
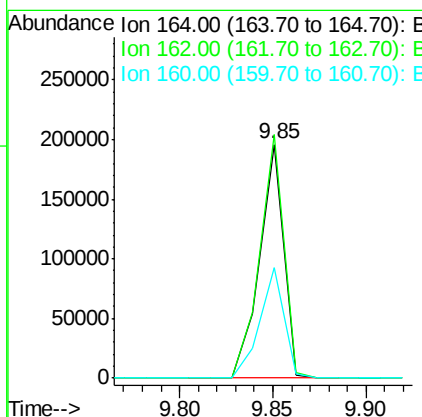
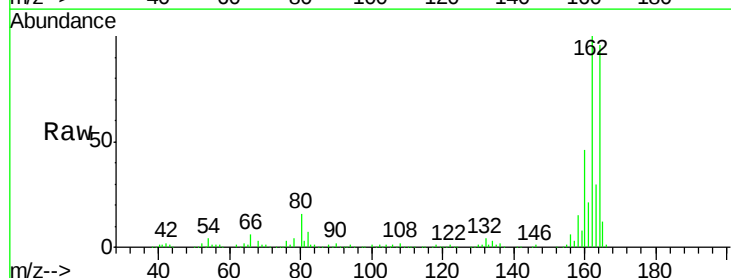
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087890.D
 Acq: 10 Jun 2016 22:44

Tgt Ion:	164	Resp:	173048
Ion Ratio	Lower	Upper	
164	100		
162	104.3	85.4	128.2
160	47.6	39.5	59.3





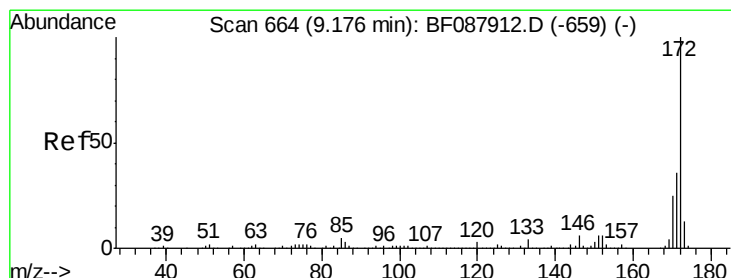
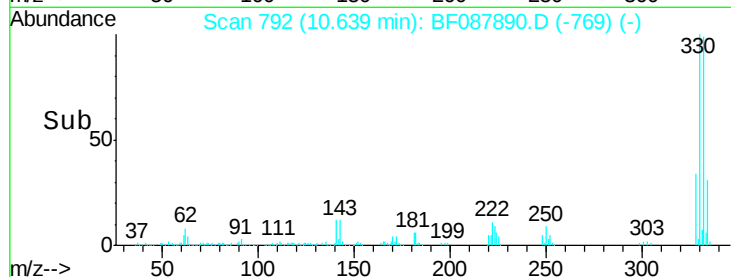
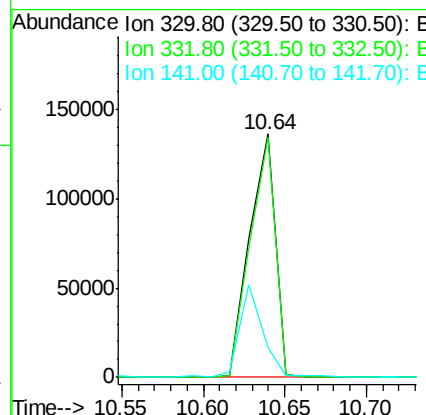
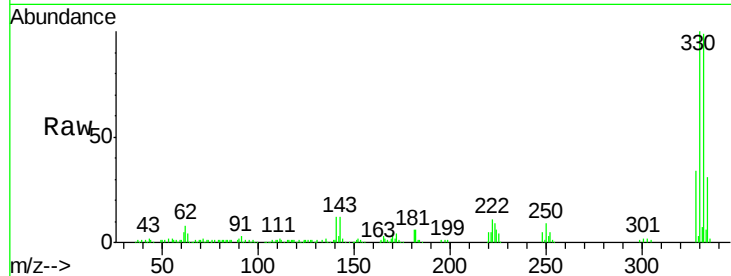
#41
 2,4,6-Tribromophenol
 Concen: 81.39 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087890.D
 Acq: 10 Jun 2016 22:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	34.7	0.0	0.0#

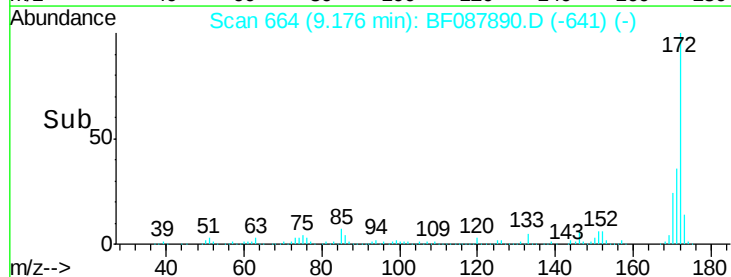
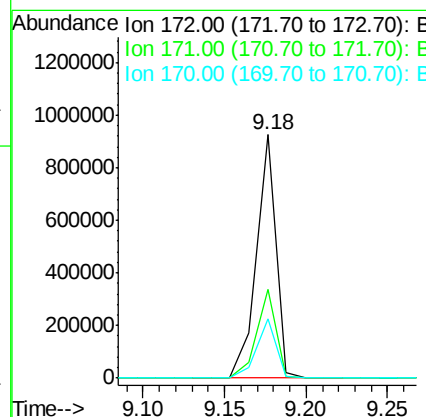
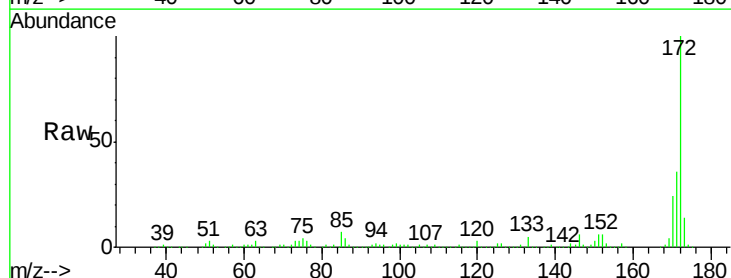
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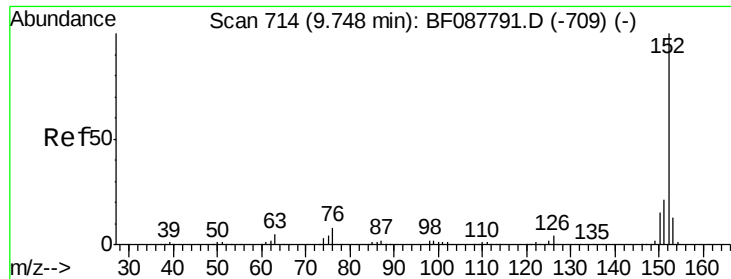
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#44
 2-Fluorobiphenyl
 Concen: 68.95 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087890.D
 Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.5	19.2	28.8





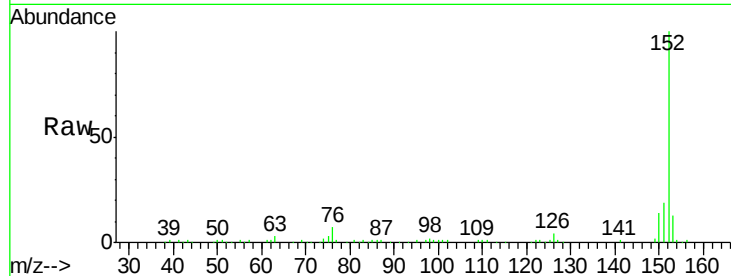
#48
Acenaphthylene
Concen: 8.47 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

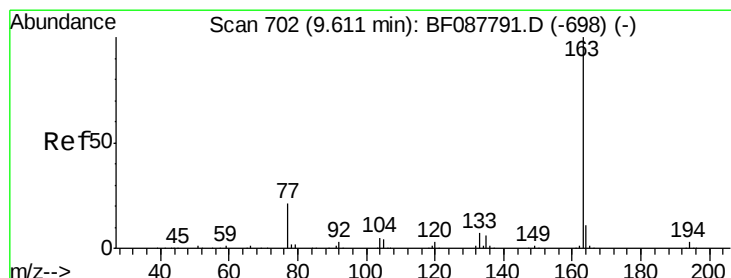
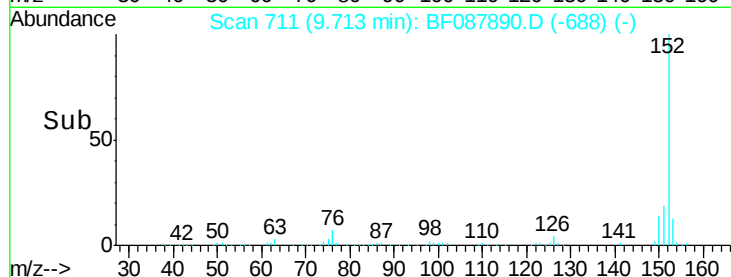
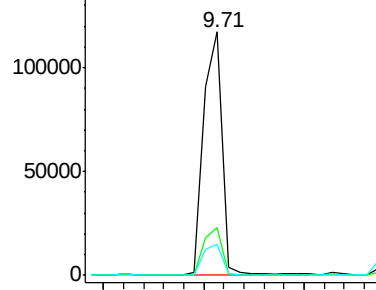
Tot Ion:	152	Resp:	150870
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.2	24.4
153	12.7	11.0	16.6

Manual Integrations
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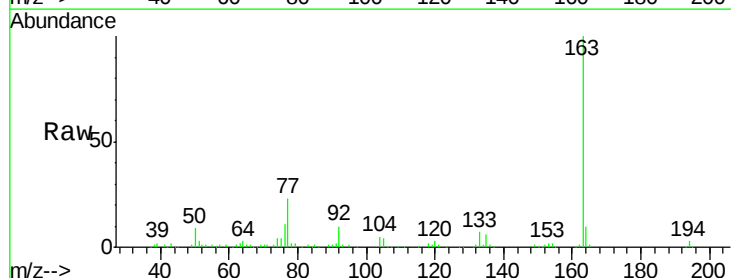


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

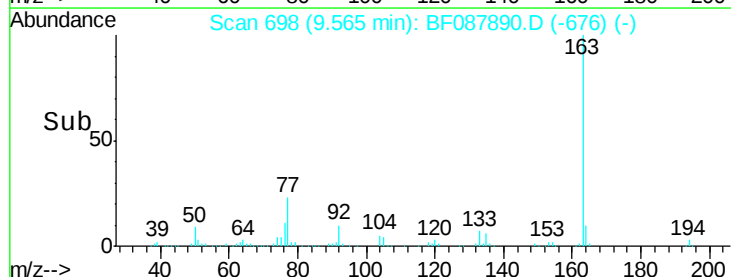
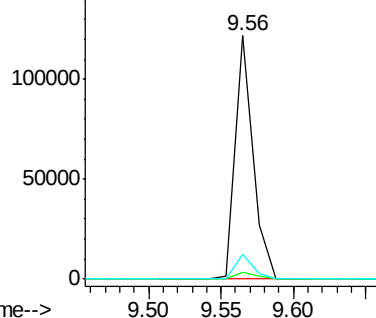


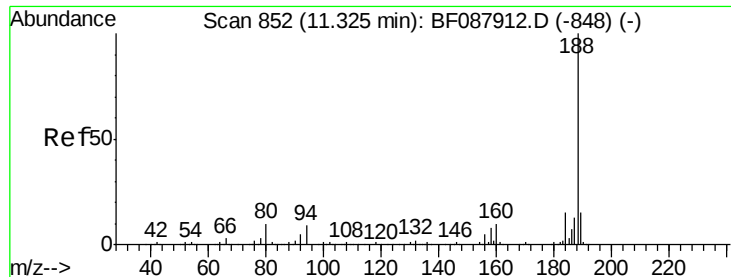
#49
Dimethylphthalate
Concen: 8.29 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion:	163	Resp:	103963
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.8	4.2
164	10.4	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

Instrument :

BNA_F

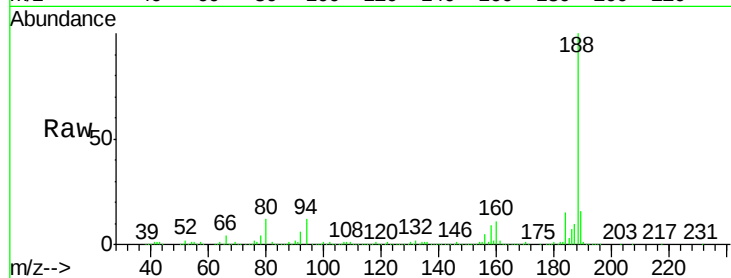
ClientSampleId :

STA-975-PLATFORM(0-4)

Tot Ion:	188	Resp:	264580
Ion Ratio		Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.1	10.0	15.0

Manual Integrations
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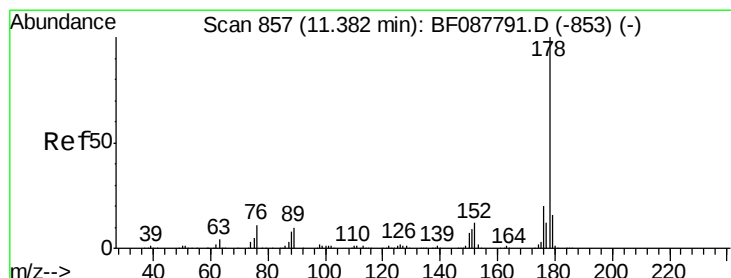
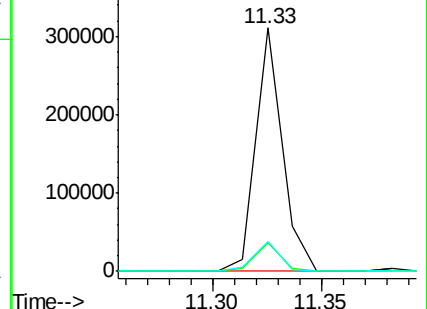
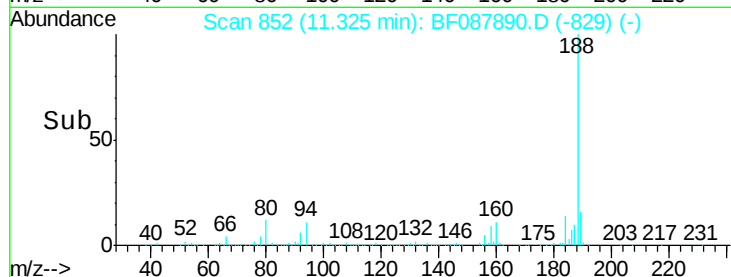
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 20.23 ng

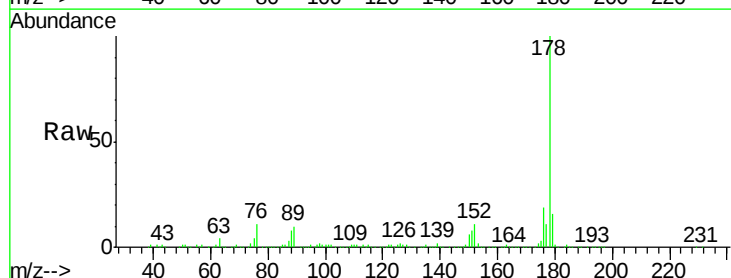
RT: 11.35 min Scan# 854

Delta R.T. -0.03 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

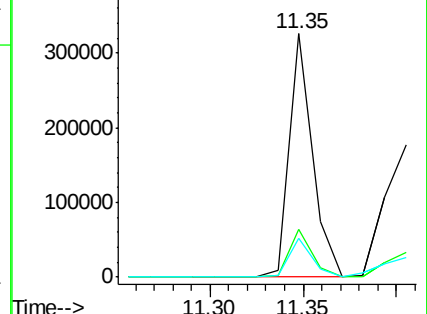
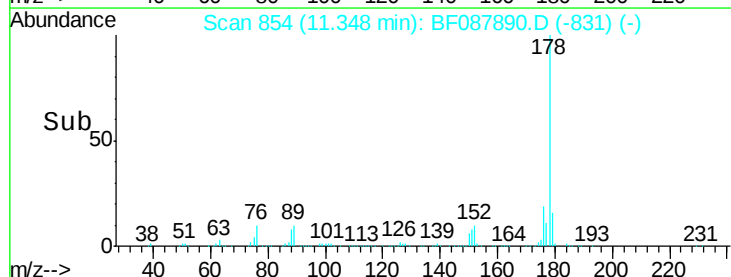
Tgt Ion:	178	Resp:	280803
Ion Ratio		Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.9	13.0	19.4

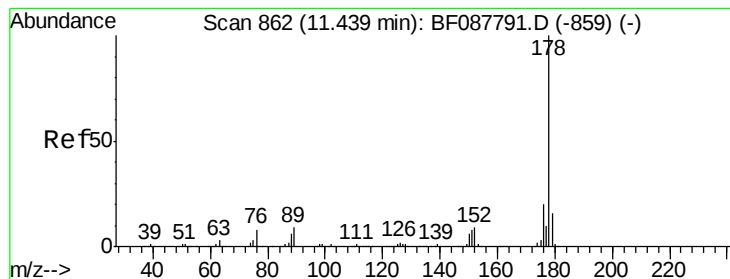


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 15.10 ng

RT: 11.41 min Scan# 859

Delta R.T. -0.03 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

Instrument :

BNA_F

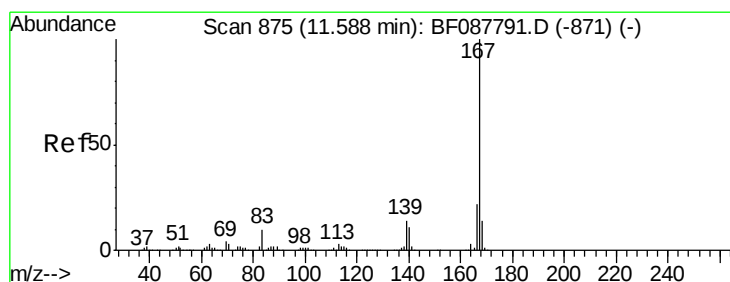
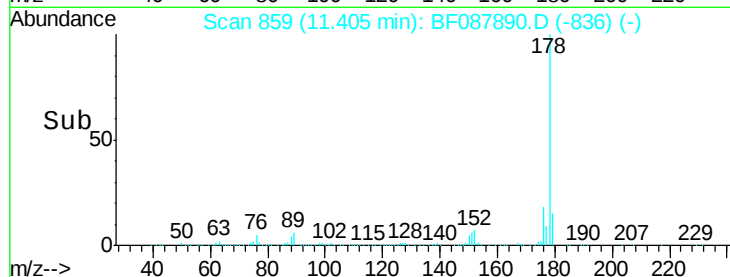
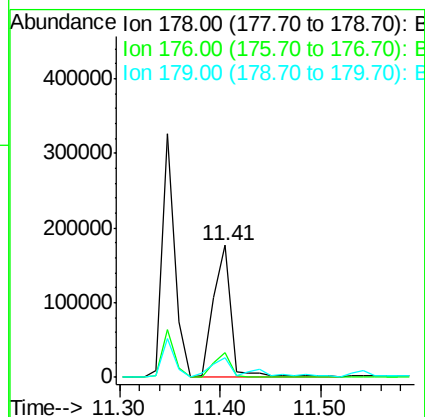
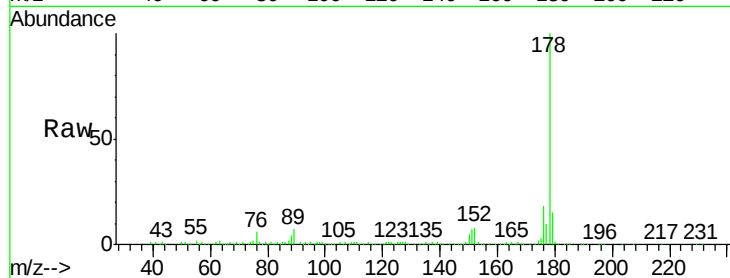
ClientSampleId :

STA-975-PLATFORM(0-4)

Tot Ion:	178	Resp:	211492
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.6	23.4
179	15.2	12.8	19.2

Manual Integrations
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6/13/2016 7:11:45 PM



#72

Carbazole

Concen: 7.44 ng

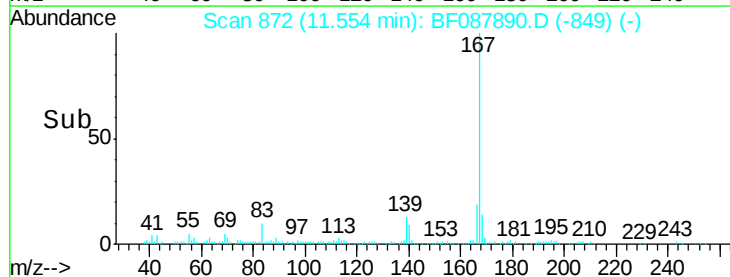
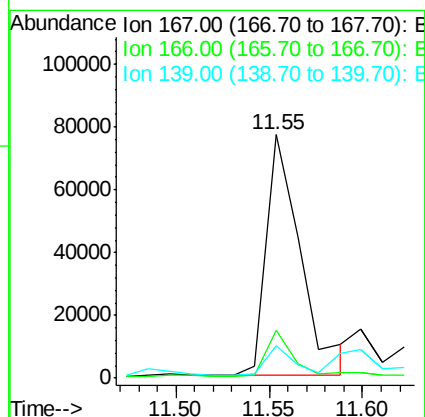
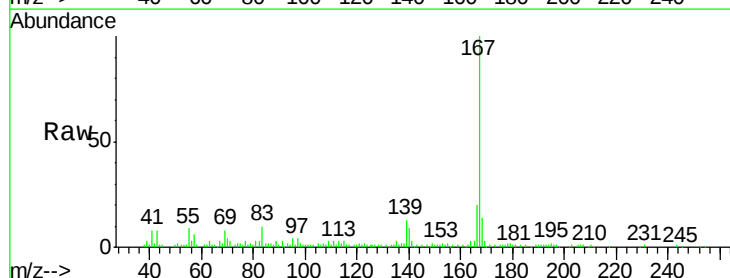
RT: 11.55 min Scan# 872

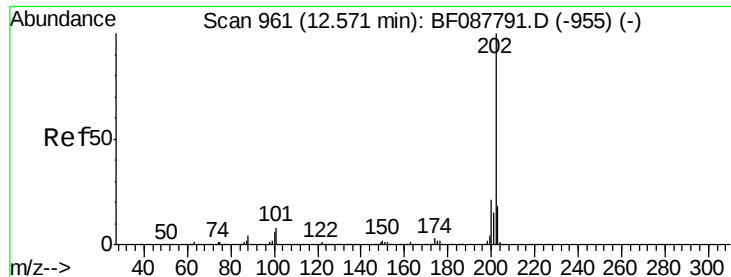
Delta R.T. -0.03 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

Tgt Ion:	167	Resp:	97563
Ion Ratio	Lower	Upper	
167	100		
166	19.7	17.8	26.6
139	13.5	11.2	16.8





#74

Fluoranthene

Concen: 54.91 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087890.D

Acq: 10 Jun 2016 22:44

Instrument :

BNA_F

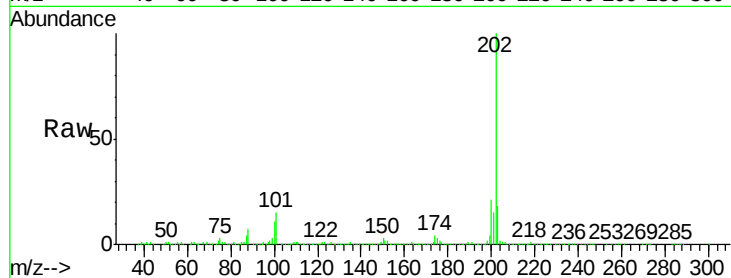
ClientSampleId :

STA-975-PLATFORM(0-4)

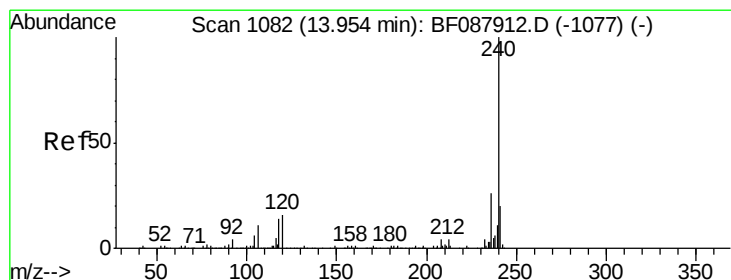
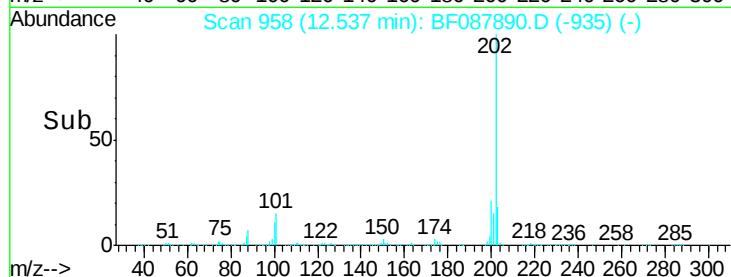
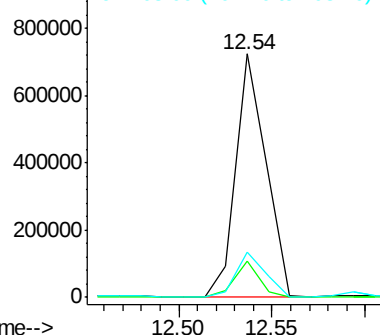
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.8	0.0	33.1		
203	18.4	0.0	38.1		

Manual Integrations
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6/13/2016 7:11:45 PM



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

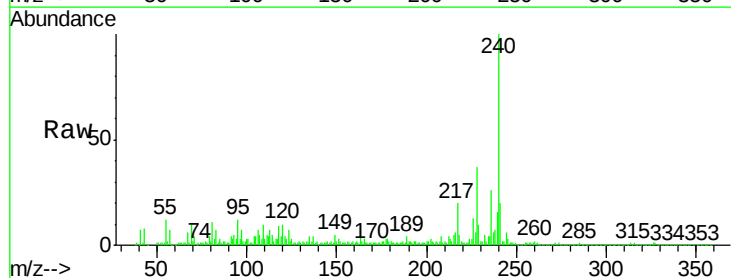
RT: 13.97 min Scan# 1083

Delta R.T. -0.02 min

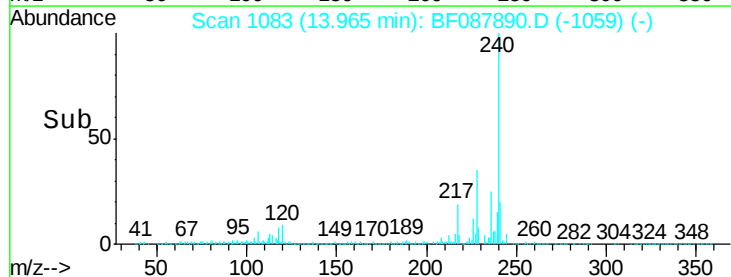
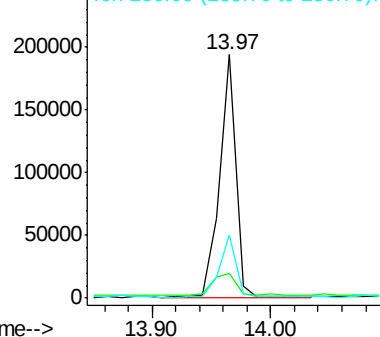
Lab File: BF087890.D

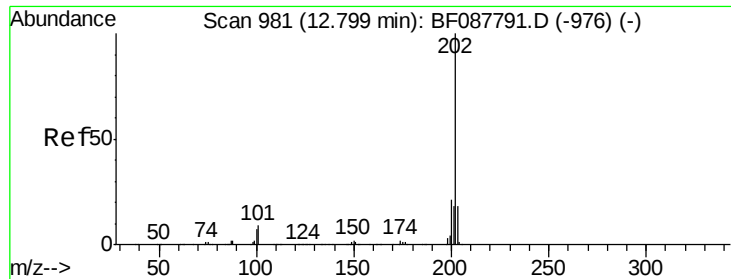
Acq: 10 Jun 2016 22:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.3	6.8	10.2#		
236	25.8	20.2	30.2		



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





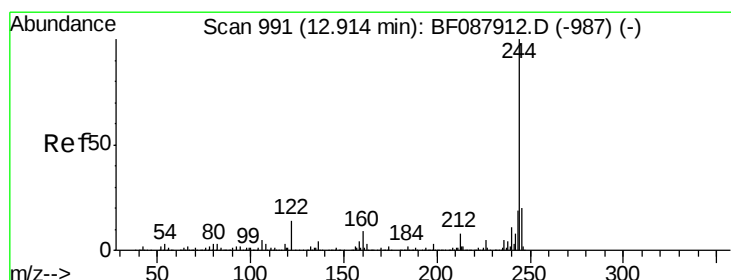
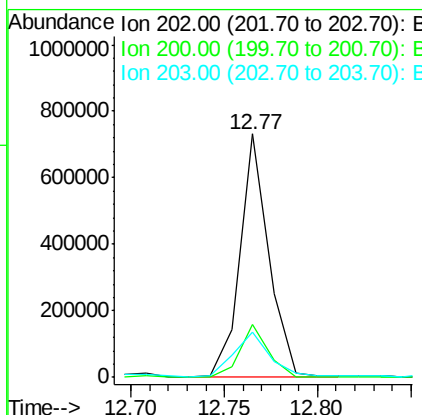
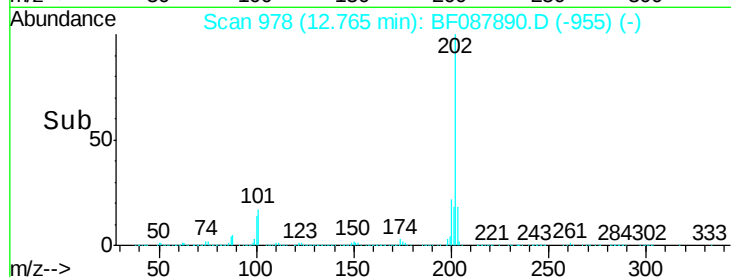
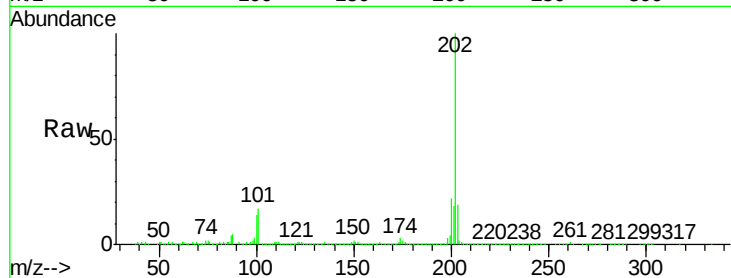
#77
Pvrene
Concen: 56.60 ng
RT: 12.77 min Scan# 978
Delta R.T. -0.03 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.7	14.5	21.7

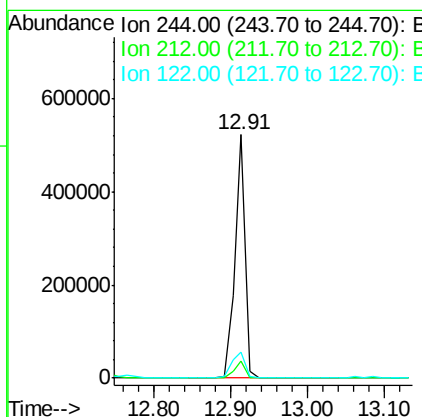
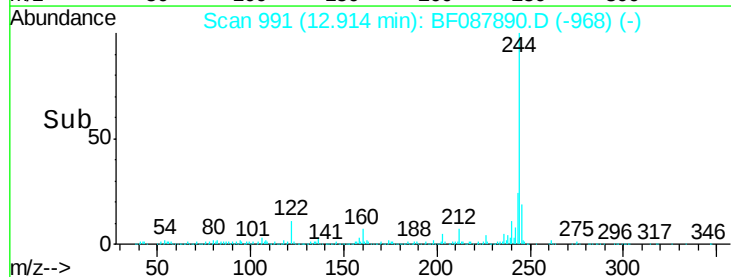
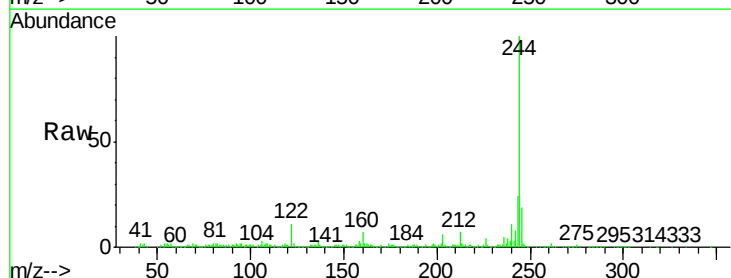
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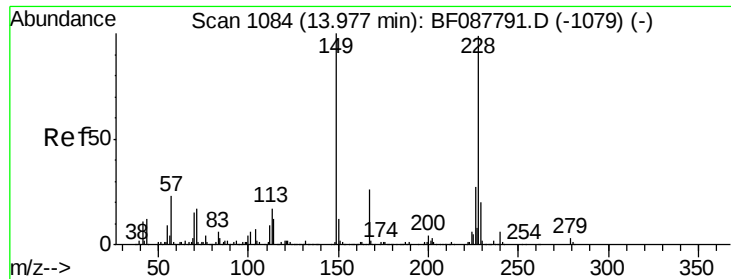
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#78
Terphenyl-d14
Concen: 60.39 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.7	11.2	16.8#





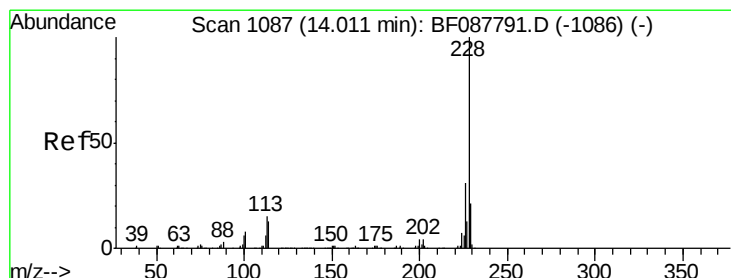
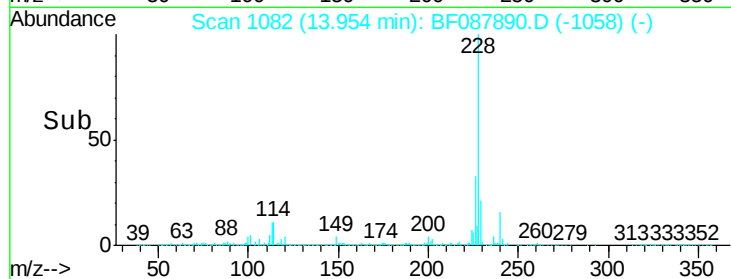
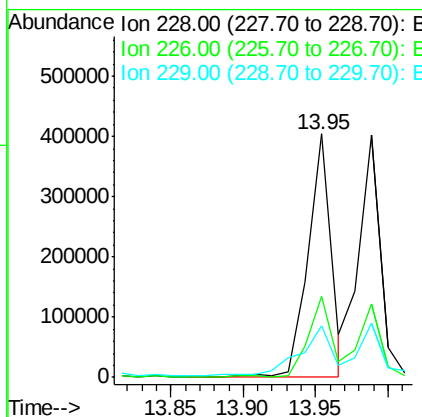
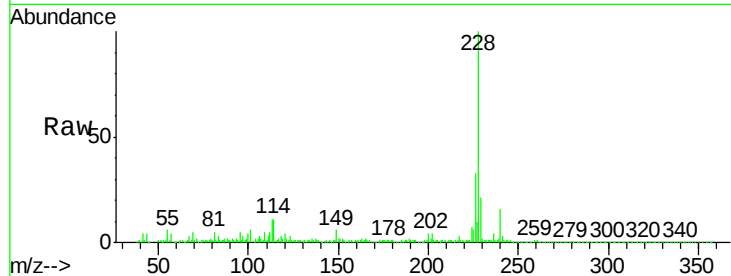
#80
Benzo(a)anthracene
Concen: 41.70 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.3	33.5
229	21.2	16.0	24.0

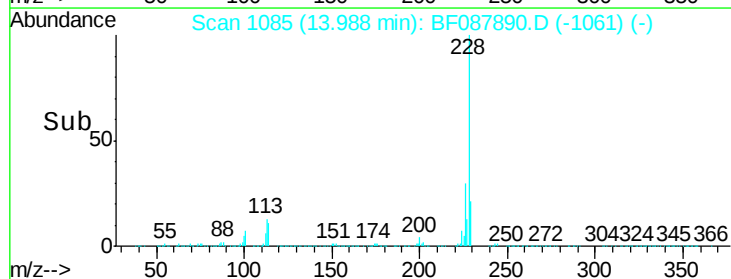
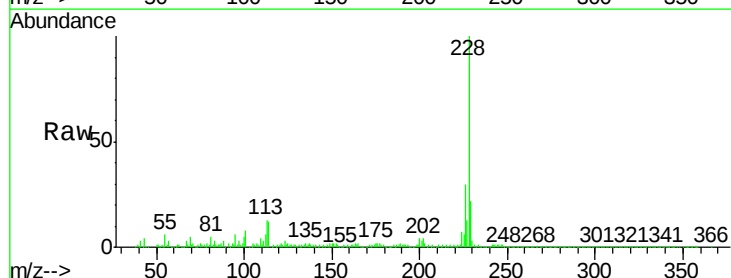
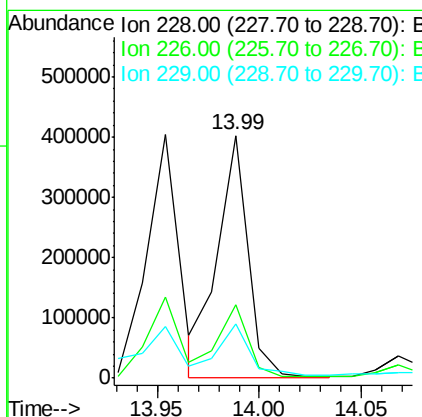
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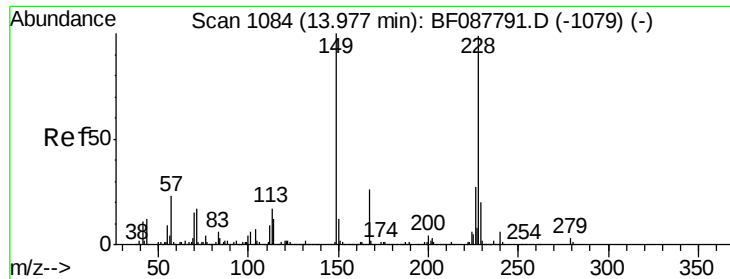
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#82
Chrysene
Concen: 41.80 ng m
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	22.4	16.3	24.5





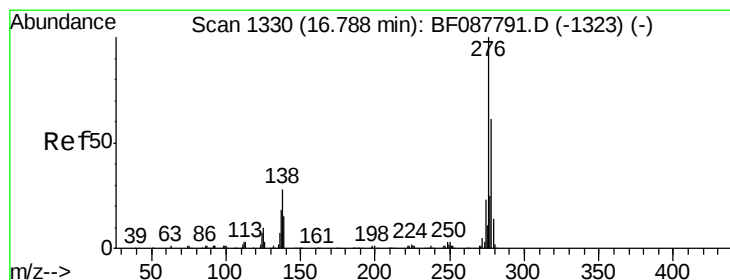
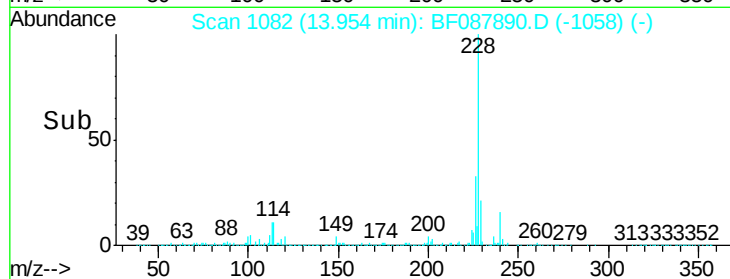
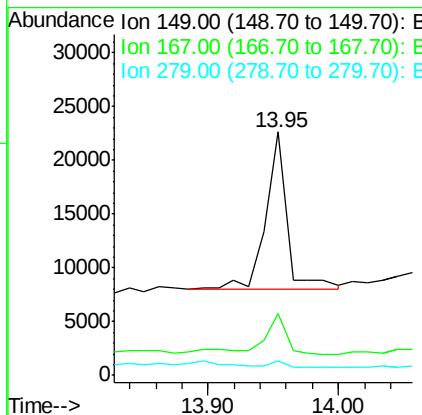
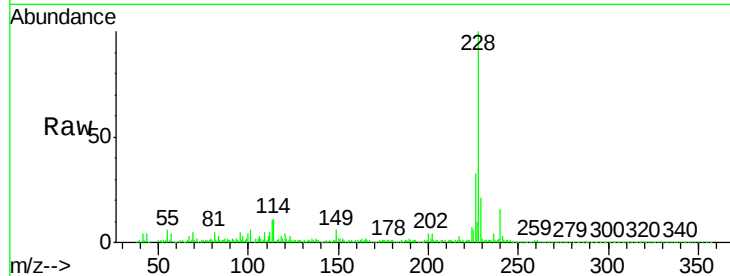
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.26 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.5	30.7
279	5.9	2.0	3.0

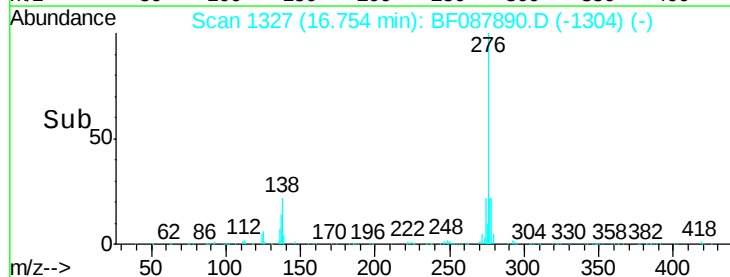
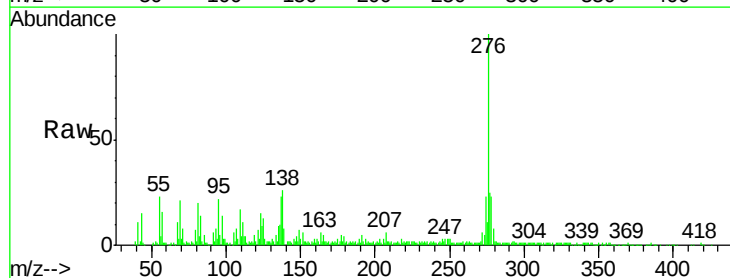
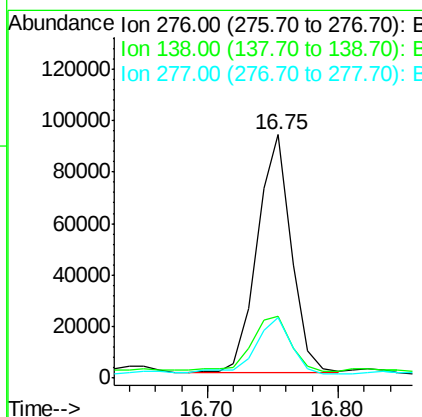
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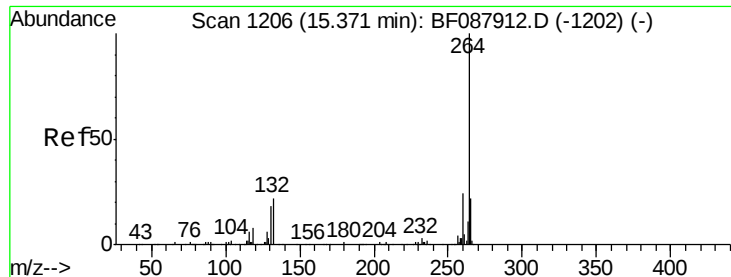
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#85
Indeno(1,2,3-cd)pyrene
Concen: 18.38 ng
RT: 16.75 min Scan# 1327
Delta R.T. -0.03 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	0.0	0.0
277	25.3	0.0	0.0





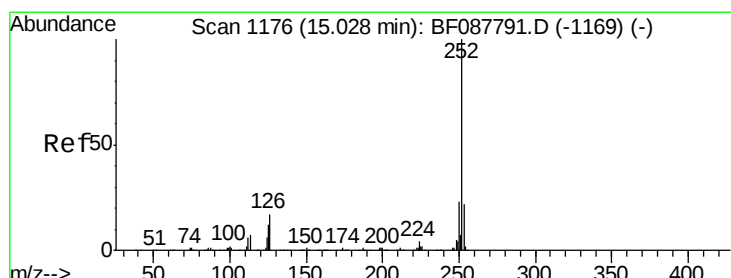
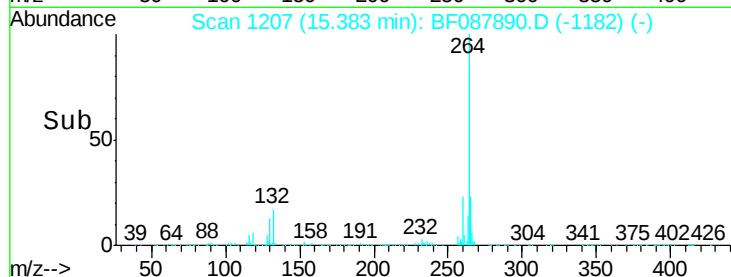
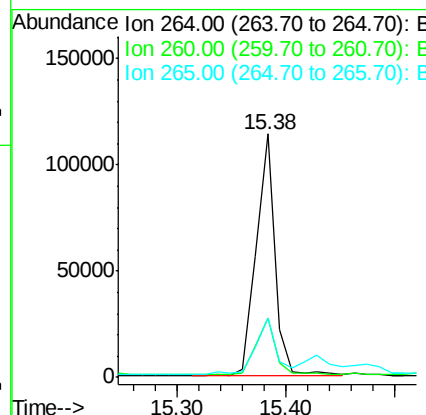
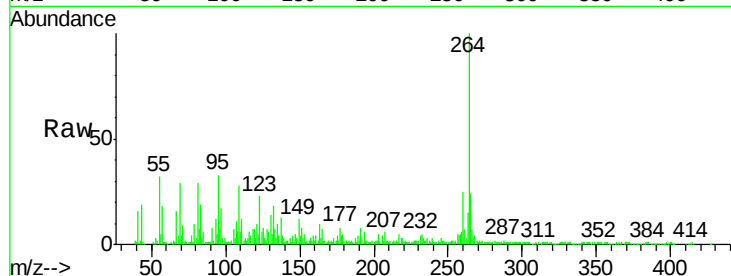
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.6	19.2	28.8		
265	24.2	16.9	25.3		

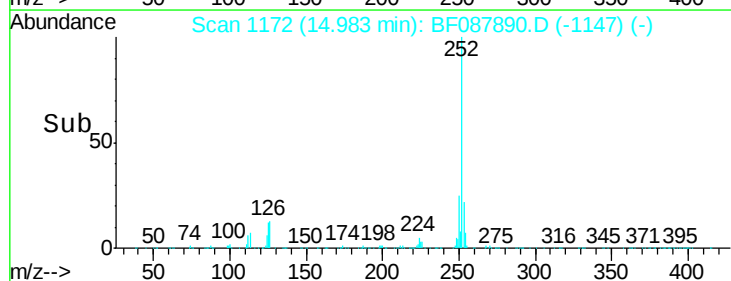
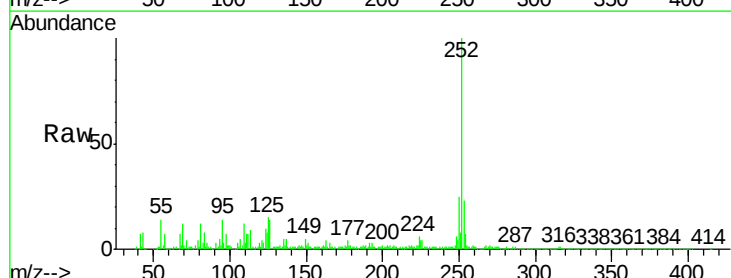
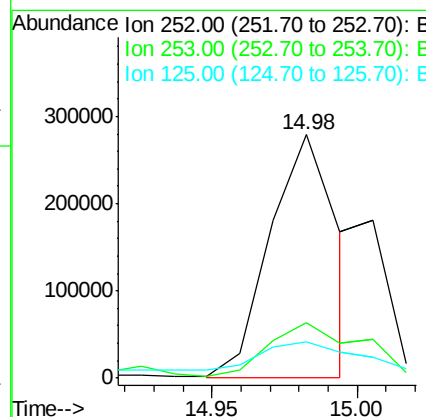
Manual Integrations
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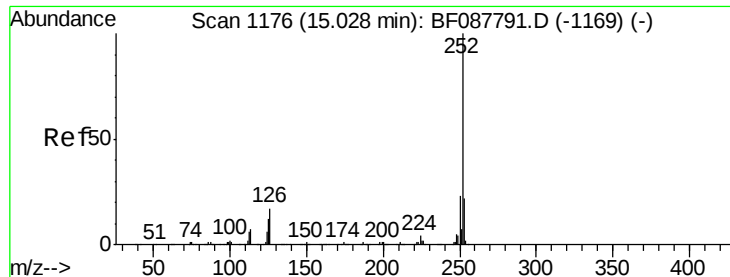
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#87
Benzo(b)fluoranthene
Concen: 46.16 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.9	17.4	26.2		
125	15.1	7.1	10.7#		





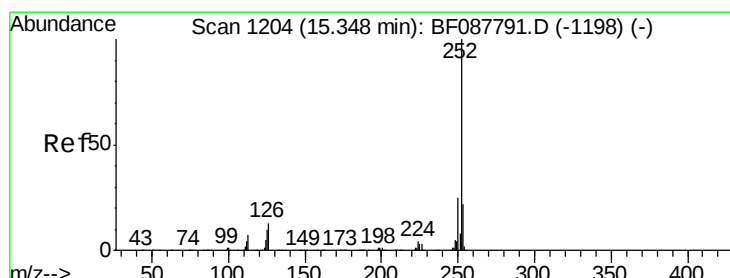
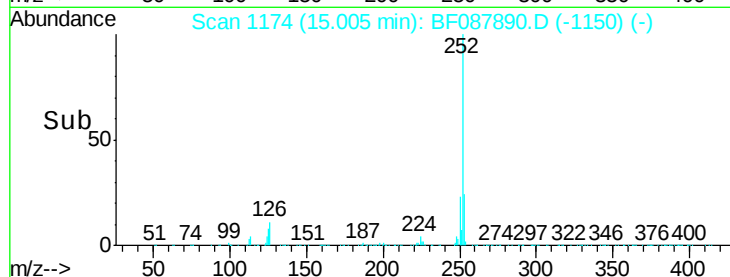
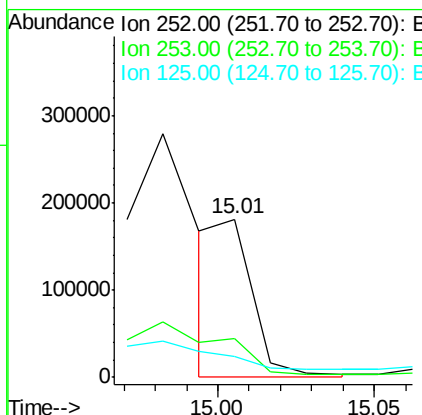
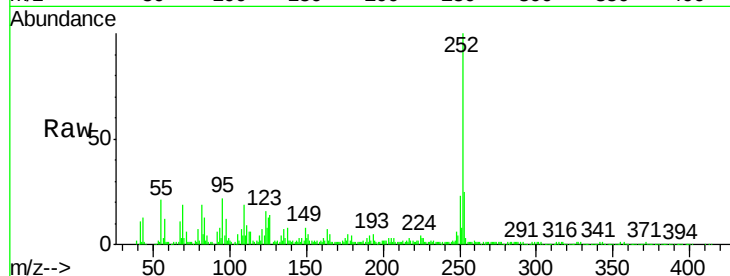
#88
Benzo(k)fluoranthene
Concen: 19.20 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	13.4	11.2	16.8

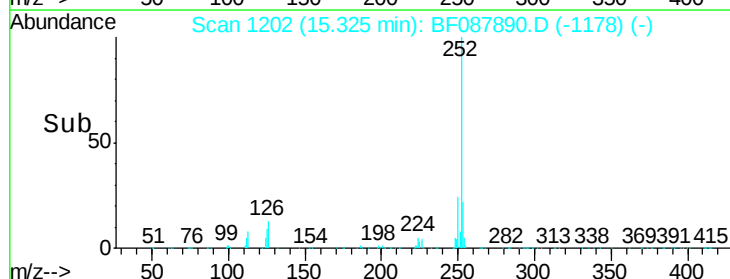
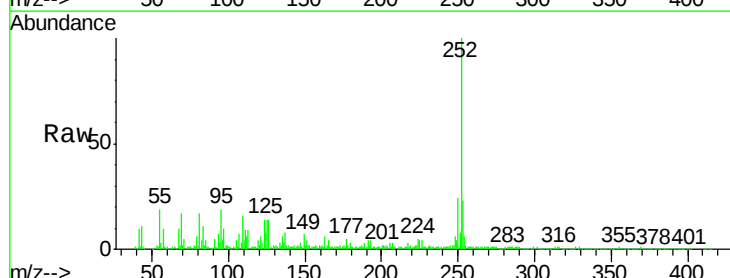
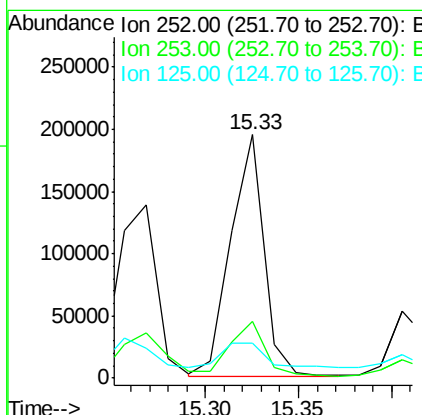
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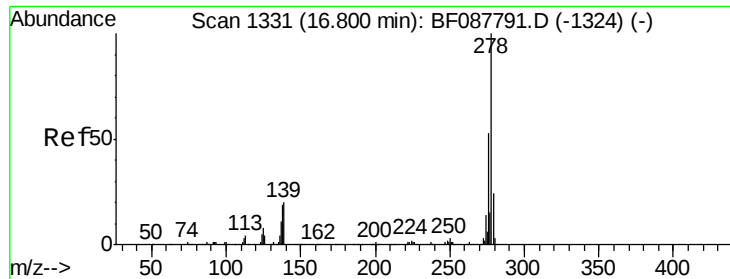
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#89
Benzo(a)pyrene
Concen: 30.87 ng
RT: 15.33 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.3	12.5	18.7





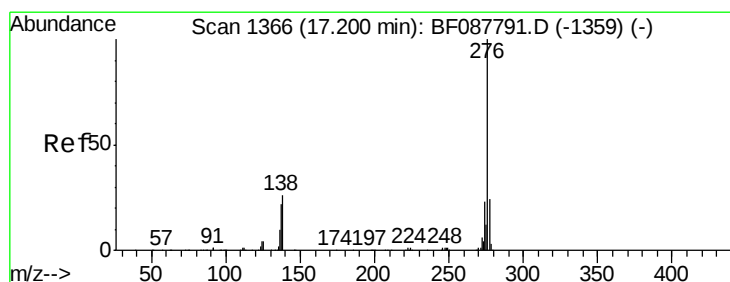
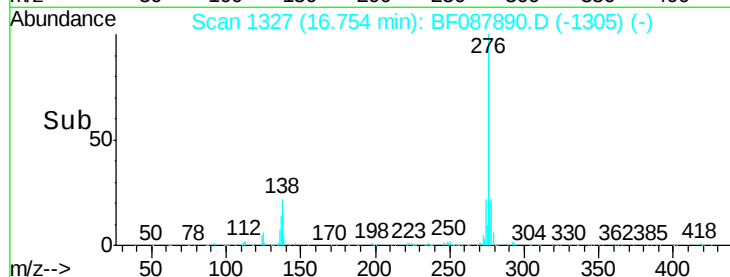
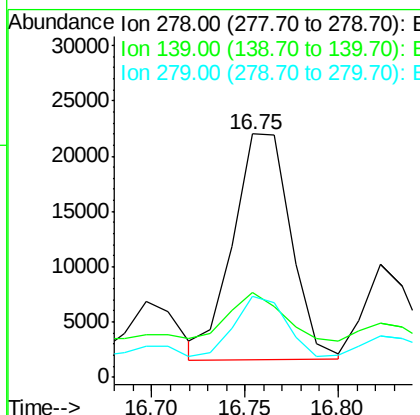
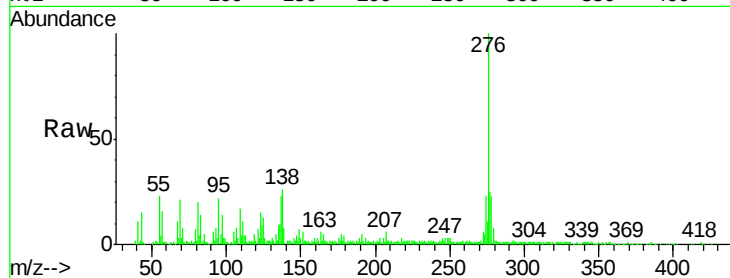
#90
Dibenzo(a,h)anthracene
Concen: 6.04 ng
RT: 16.75 min Scan# 1327
Delta R.T. -0.05 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Instrument :
BNA_F
ClientSampleId :
STA-975-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	35.0	15.7	23.5#
279	33.5	19.4	29.2#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 21.61 ng
RT: 17.17 min Scan# 1363
Delta R.T. -0.03 min
Lab File: BF087890.D
Acq: 10 Jun 2016 22:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	26.5	21.4	32.2

