

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
 Data File : BF087988.D
 Acq On : 13 Jun 2016 17:39
 Operator : UM/SJ
 Sample : H3395-28
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-990-PLATFORM(0-4)

Manual Integrations
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Quant Time: Jun 14 03:04:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	110907	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	448664	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	199802	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	325032	20.00	ng	0.00
75) Chrysene-d12	13.95	240	211807	20.00	ng	0.00
86) Perylene-d12	15.37	264	211312	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	749241	115.49	ng	0.01
7) Phenol-d6	6.43	99	820879	104.41	ng	0.00
23) Nitrobenzene-d5	7.36	82	512469	66.70	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	188626	89.41	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	933487	72.59	ng	0.00
78) Terphenyl-d14	12.90	244	568324	61.06	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.10	128	86283	3.89	ng	98
48) Acenaphthylene	9.69	152	109518	5.33	ng	99
49) Dimethylphthalate	9.55	163	117623	8.13	ng	100
51) Acenaphthene	9.86	154	62505	4.87	ng	99
54) Dibenzofuran	10.03	168	52238	2.96	ng	# 86
57) Fluorene	10.38	166	79675	2.07	ng	98
70) Phenanthrene	11.35	178	1075866	63.08	ng	99
71) Anthracene	11.39	178	315277	18.33	ng	99
72) Carbazole	11.54	167	93995	5.84	ng	99
74) Fluoranthene	12.54	202	1309916	72.78	ng	99
77) Pyrene	12.77	202	1311536	83.44	ng	99
80) Benzo(a)anthracene	13.94	228	701439	58.11	ng	94
82) Chrysene	13.98	228	456973	40.24	ng	97
83) Bis(2-ethylhexyl)phthalate	13.94	149	78273	9.25	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	268686	25.47	ng	# 100
87) Benzo(b)fluoranthene	14.97	252	737368m	50.06	ng	
88) Benzo(k)fluoranthene	14.99	252	258213m	23.24	ng	
89) Benzo(a)pyrene	15.31	252	508821m	42.70	ng	
90) Dibenzo(a,h)anthracene	16.73	278	73784m	6.67	ng	
91) Benzo(a,h,i)perylene	17.13	276	252480	22.18	ng	98

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

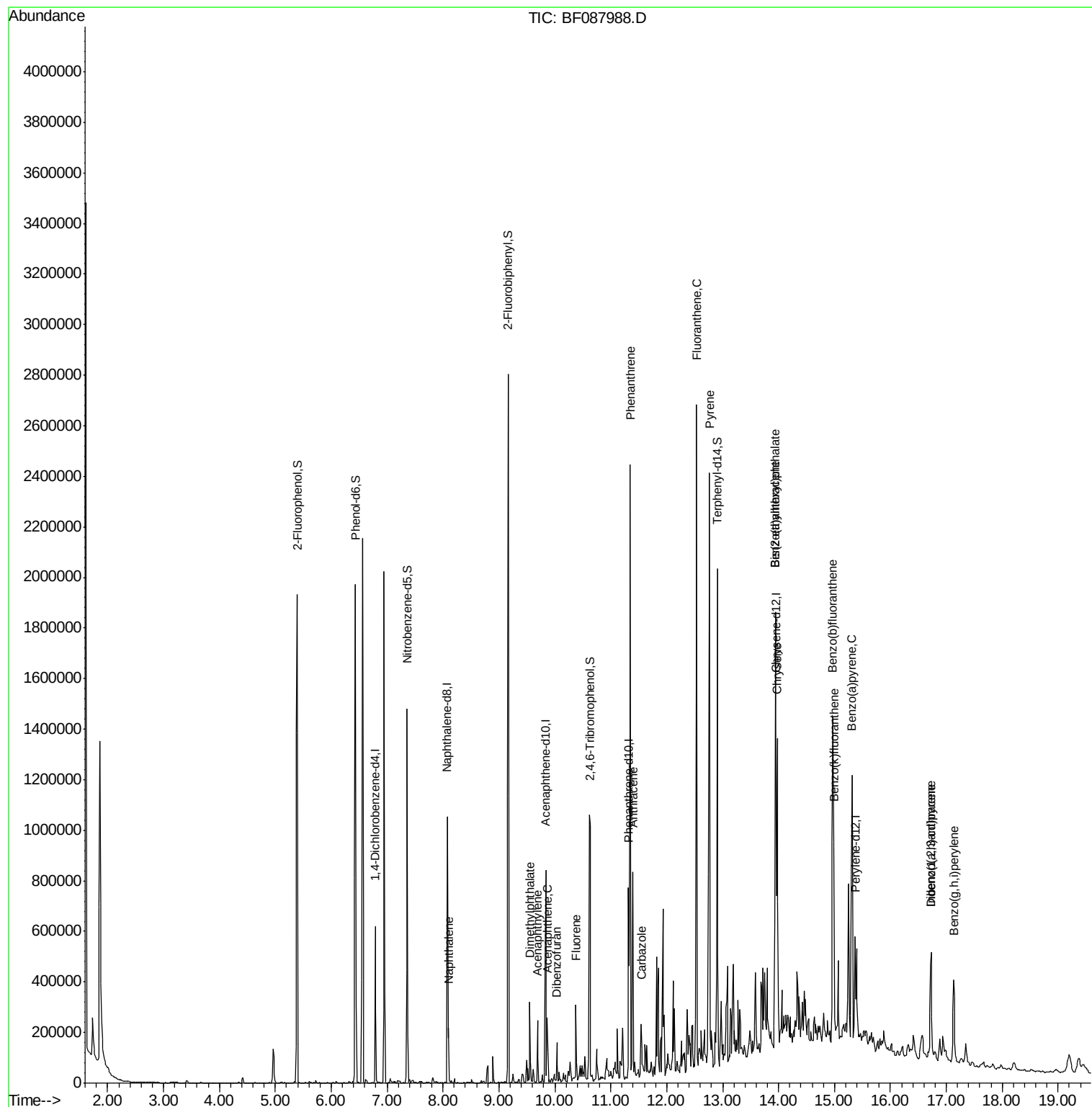
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087988.D
Acq On : 13 Jun 2016 17:39
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Sample : H3395-28
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ALS Vial : 14 Sample Multiplier: 1

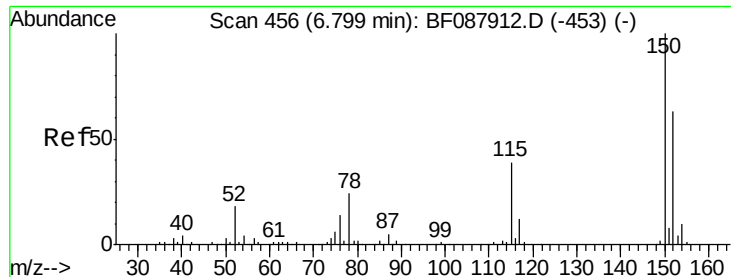
Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

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Quant Time: Jun 14 03:04:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

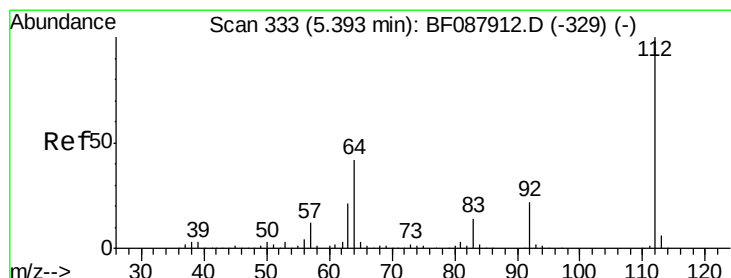
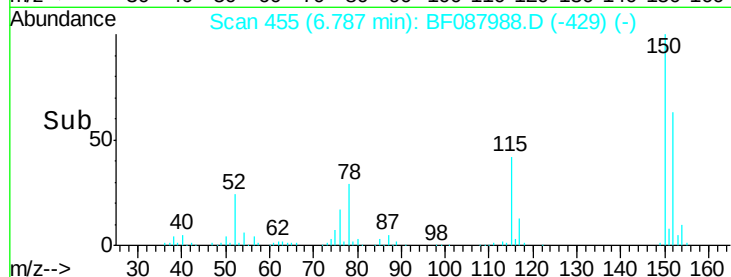
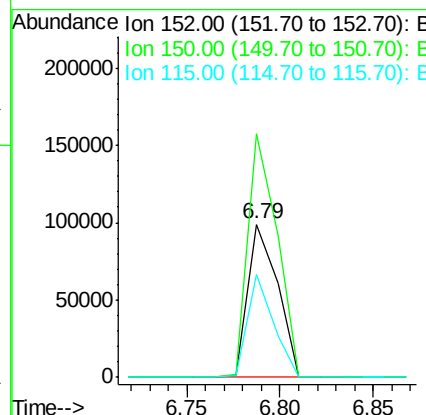
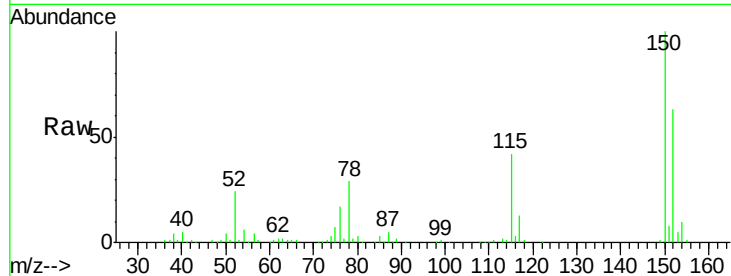
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	110907		
150	158.9	123.8	185.6	
115	67.1	39.6	59.4	

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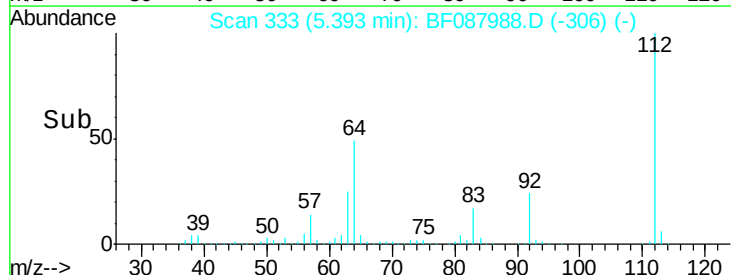
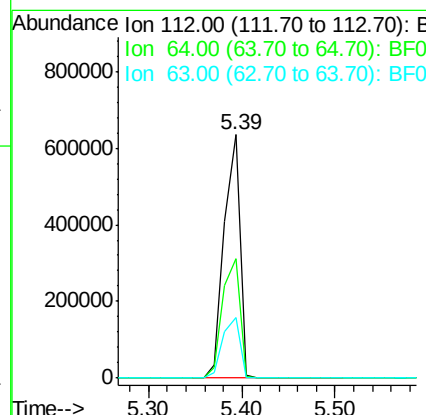
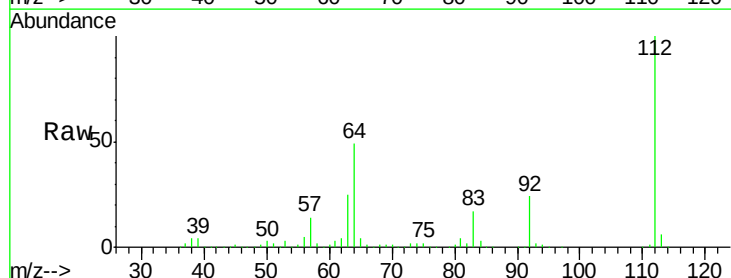
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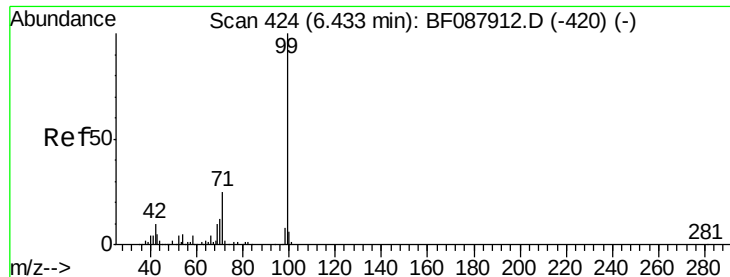


#5

2-Fluorophenol
Concen: 115.49 ng
RT: 5.39 min Scan# 333
Delta R.T. 0.01 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	749241		
64	49.2	42.2	63.2	
63	24.9	21.8	32.8	





#7

Phenol-d6

Concen: 104.41 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

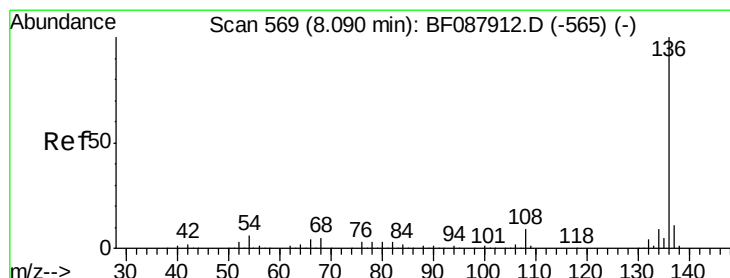
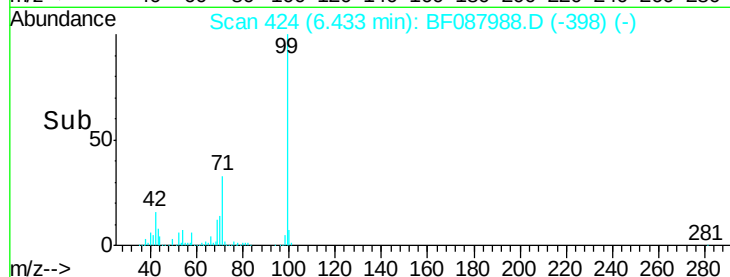
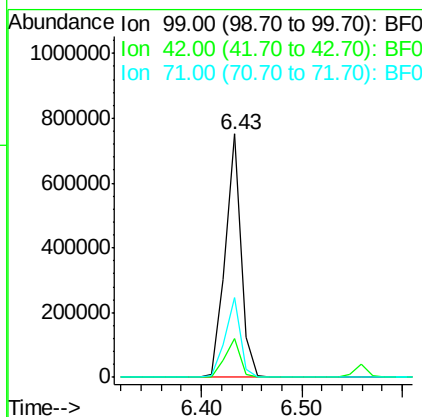
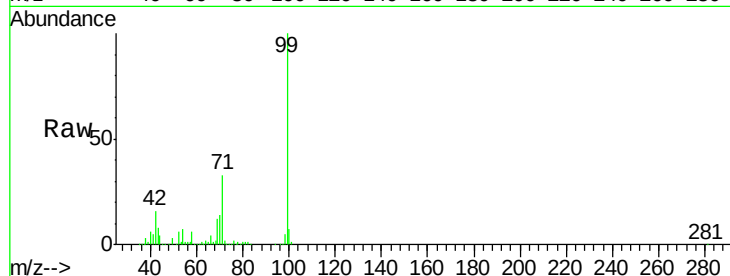
ClientSampleId :

STA-990-PLATFORM(0-4)

Tot Ion:	99	Resp:	820879
Ion Ratio	Lower	Upper	
99	100		
42	16.0	12.2	18.2
71	32.8	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

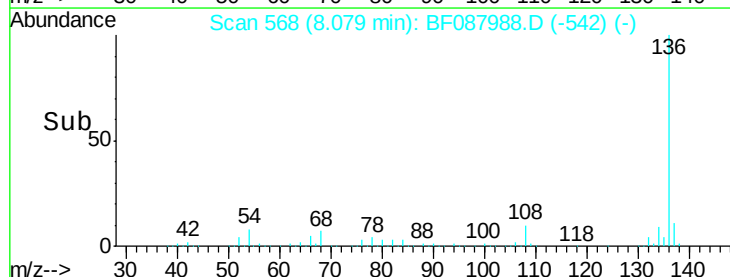
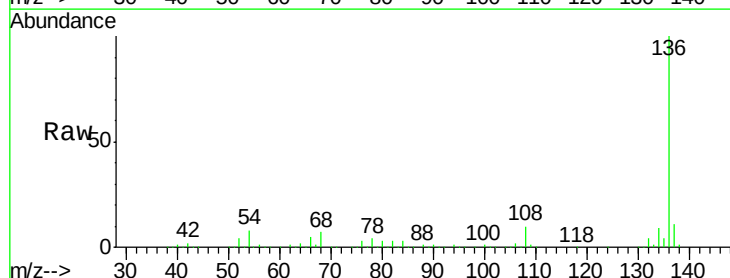
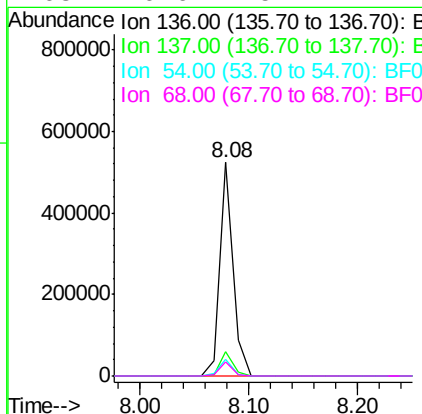
RT: 8.08 min Scan# 568

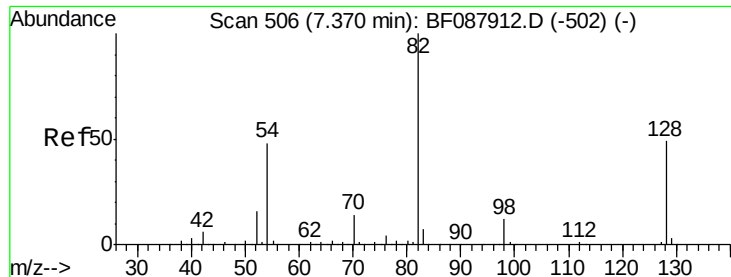
Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Tgt Ion:	136	Resp:	448664
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.0	6.6	10.0
68	6.6	5.1	7.7





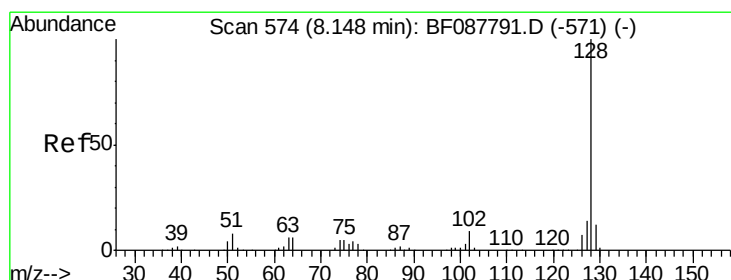
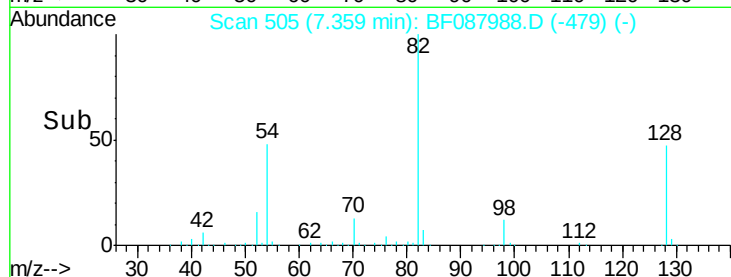
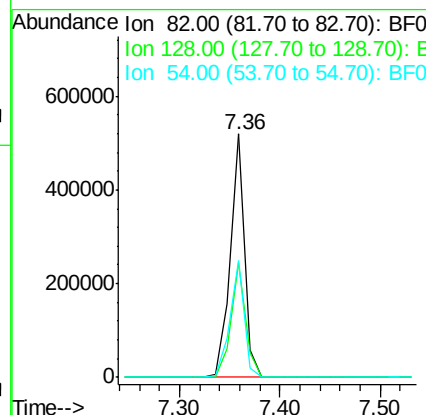
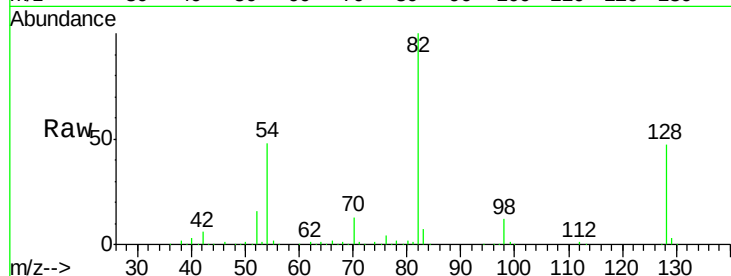
#23
Nitrobenzene-d5
Concen: 66.70 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

Tot Ion	82	Resp	512469
Ion Ratio	Lower	Upper	
82	100		
128	46.9	35.9	53.9
54	48.0	40.9	61.3

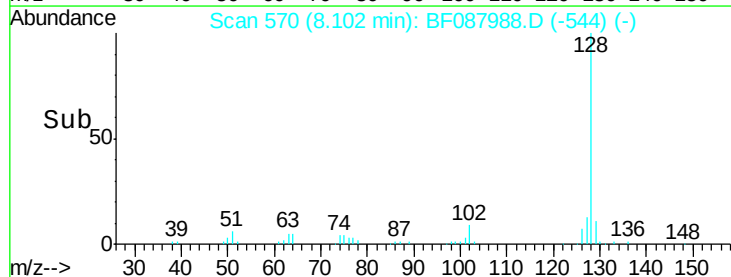
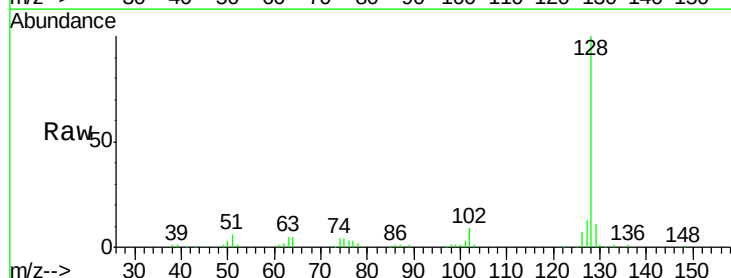
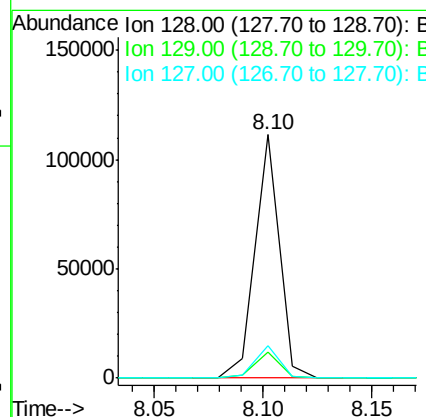
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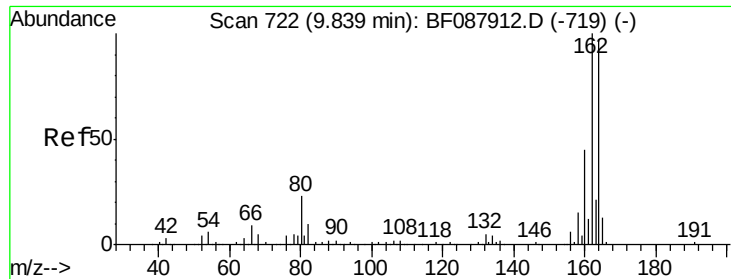
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#31
Naphthalene
Concen: 3.89 ng
RT: 8.10 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	128	Resp	86283
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.4	14.2
127	13.1	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF087988.D

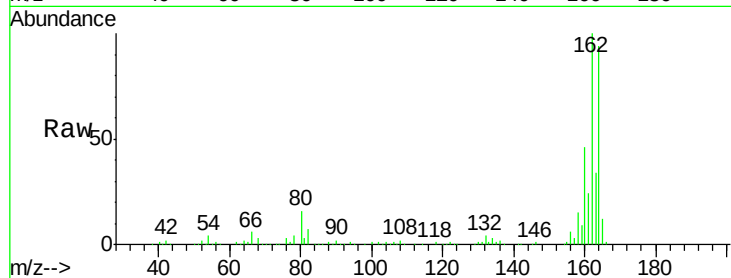
Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

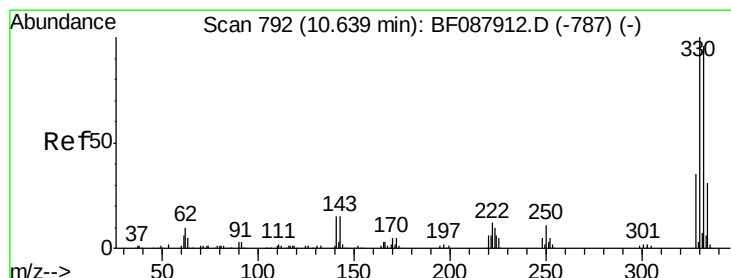
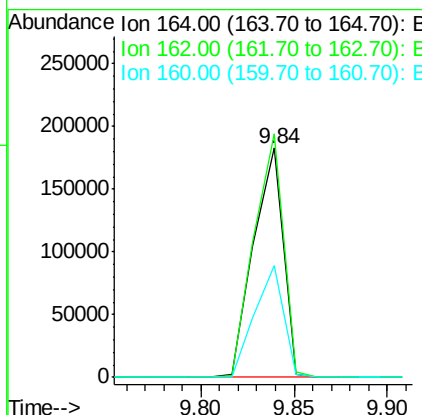
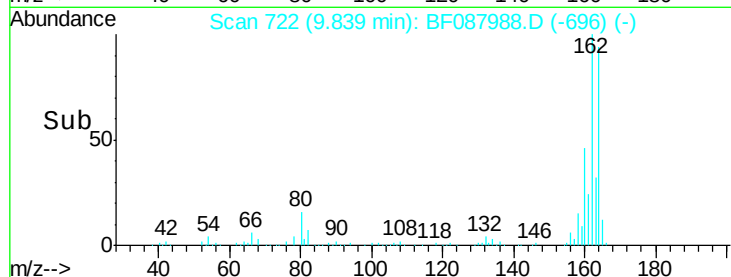
STA-990-PLATFORM(0-4)



Tot Ion	164	Resp	199802
Ion Ratio	Lower	Upper	
164	100		
162	106.1	85.4	128.2
160	48.9	39.5	59.3

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#41

2,4,6-Tribromophenol

Concen: 89.41 ng

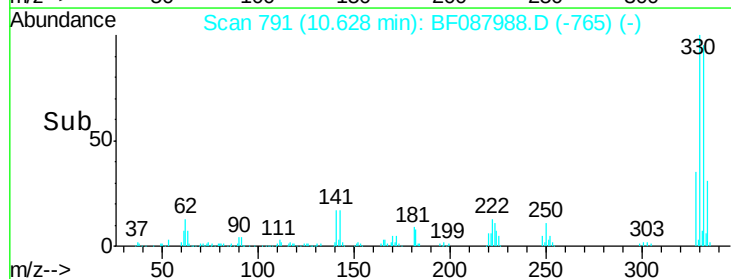
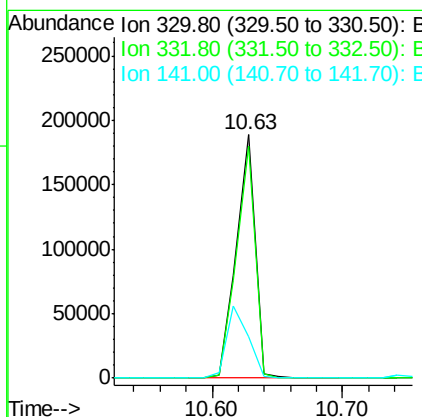
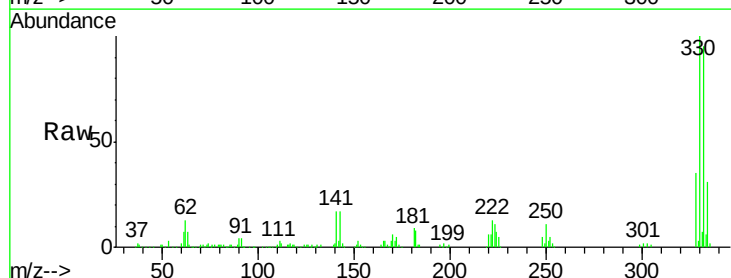
RT: 10.63 min Scan# 791

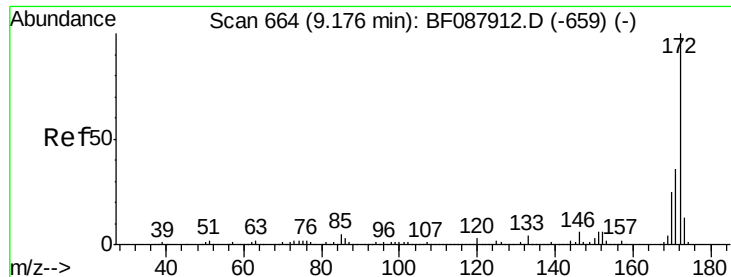
Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Tgt Ion	330	Resp	188626
Ion Ratio	Lower	Upper	
330	100		
332	95.3	0.0	0.0#
141	34.8	0.0	0.0#





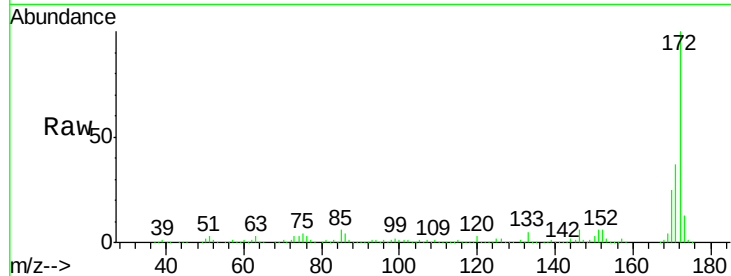
#44
2-Fluorobiphenyl
Concen: 72.59 ng
RT: 9.16 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

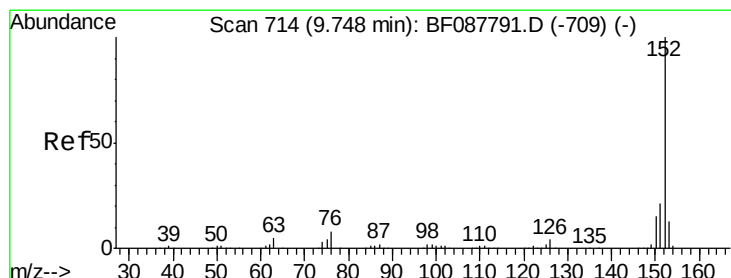
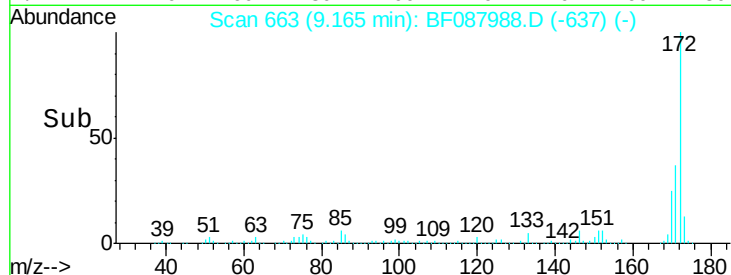
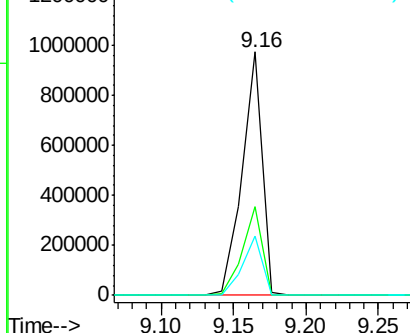
Tot Ion	Ratio	Resp	Lower	Upper
172	100	933487		
171	36.7		28.6	43.0
170	24.6		19.2	28.8

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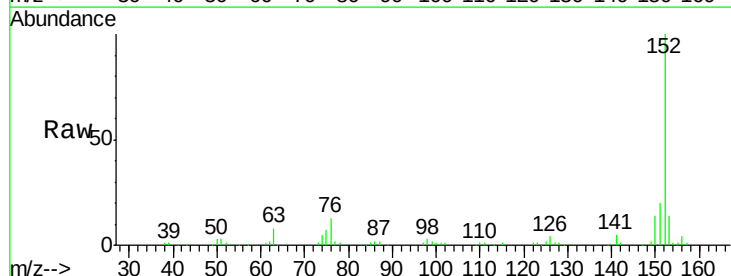


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

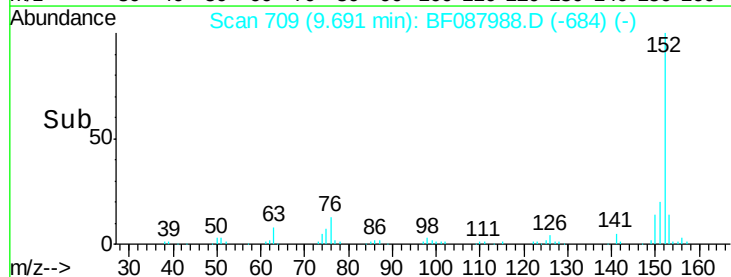
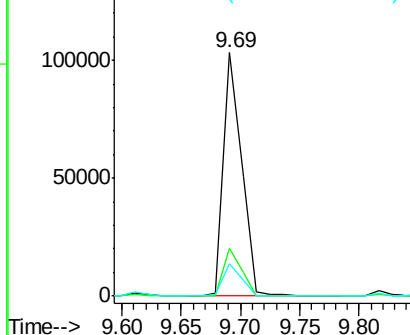


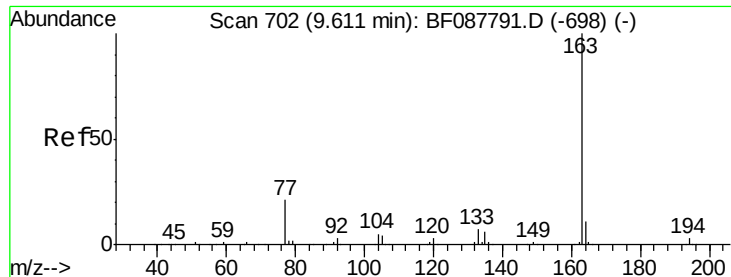
#48
Acenaphthylene
Concen: 5.33 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.01 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109518		
151	19.7		16.2	24.4
153	13.6		11.0	16.6



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





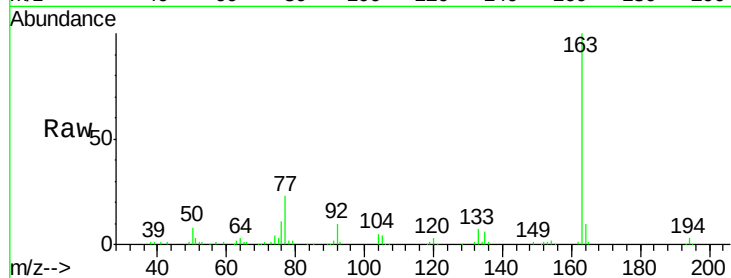
#49
Dimethylphthalate
Concen: 8.13 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

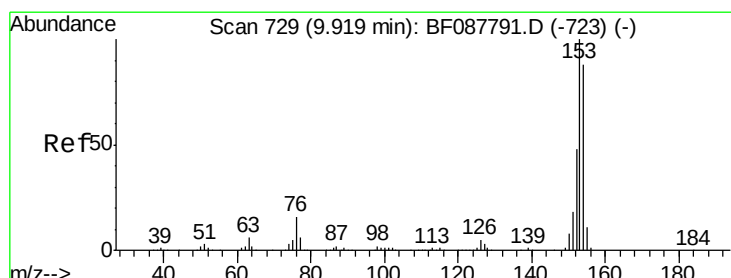
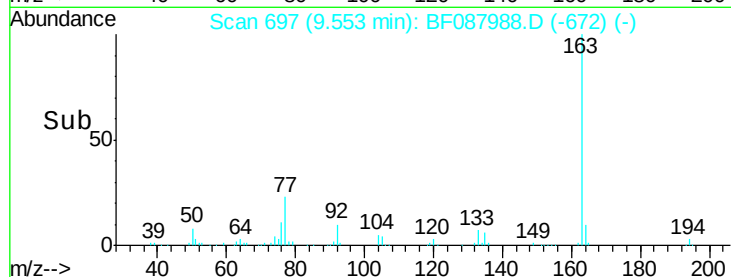
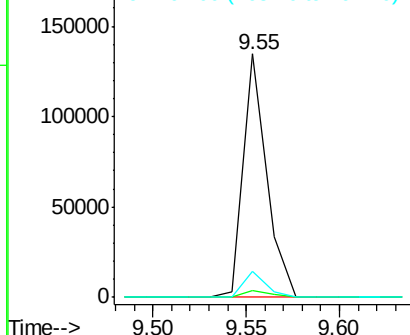
Tot Ion	Ratio	Resp	Lower	Upper
163	100	117623		
194	3.0		2.8	4.2
164	10.4		8.3	12.5

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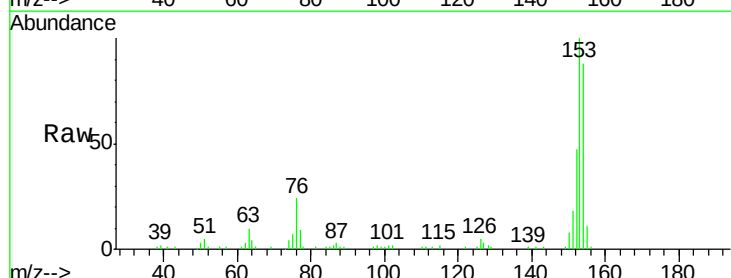


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

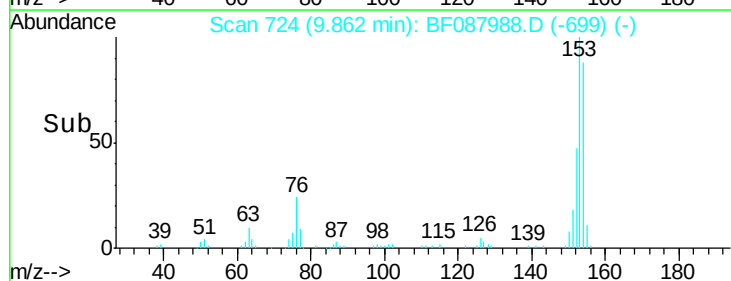
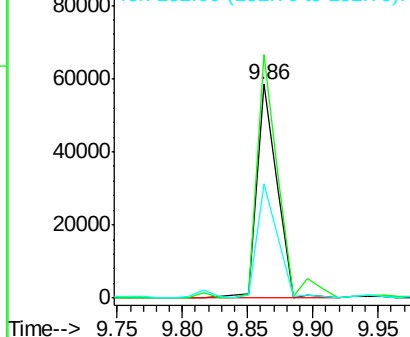


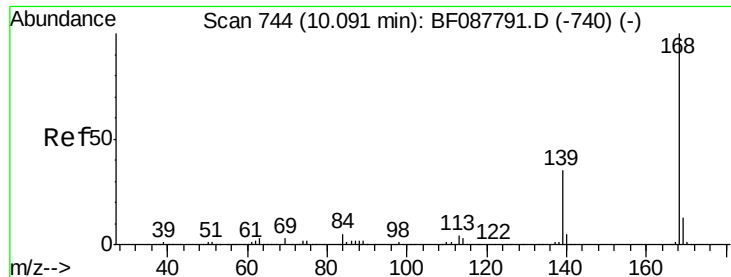
#51
Acenaphthene
Concen: 4.87 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	62505		
153	114.0		89.5	134.3
152	53.8		42.7	64.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.96 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF087988.D

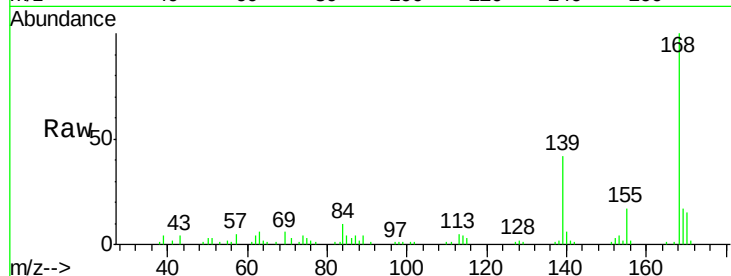
Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

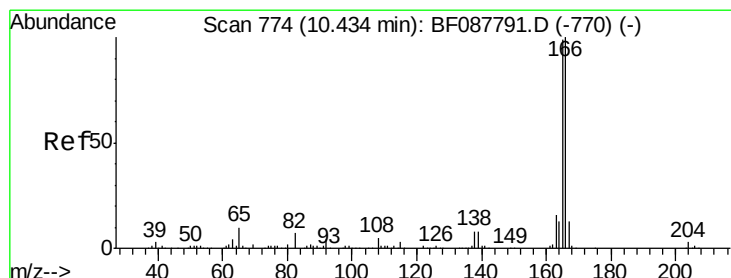
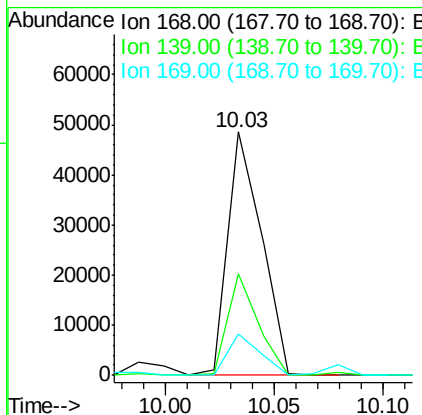
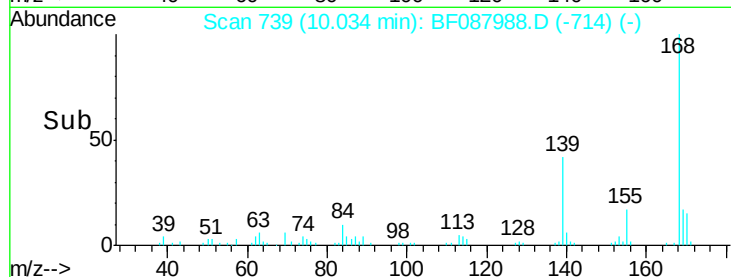
STA-990-PLATFORM(0-4)



Tot Ion	168	Resp	52238
Ion Ratio	Lower	Upper	
168	100		
139	41.8	26.4	39.6#
169	16.8	10.4	15.6#

Manual Integrations
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#57

Fluorene

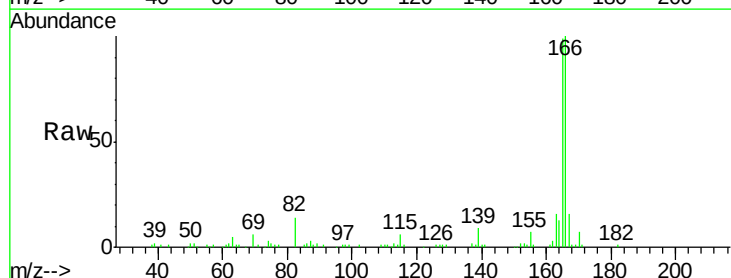
Concen: 2.07 ng

RT: 10.38 min Scan# 769

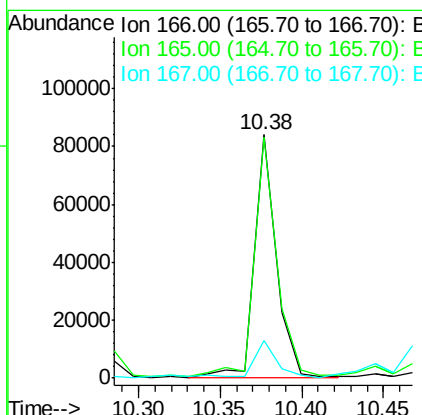
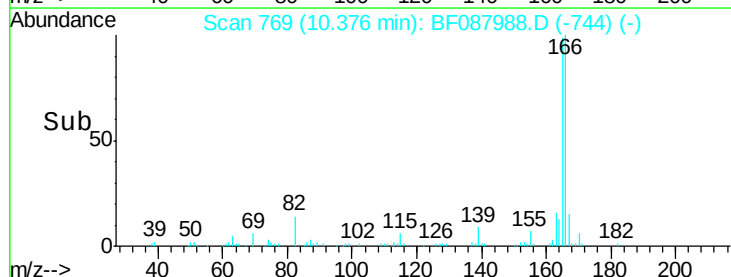
Delta R.T. -0.01 min

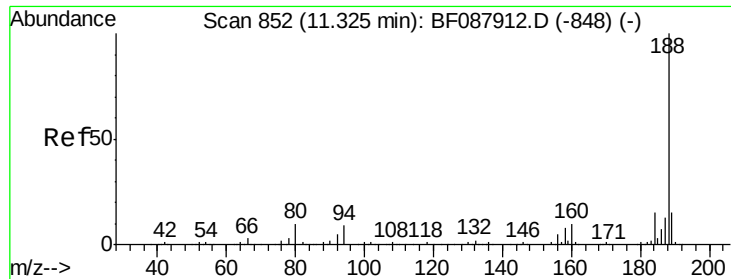
Lab File: BF087988.D

Acq: 13 Jun 2016 17:39



Tgt Ion	166	Resp	79675
Ion Ratio	Lower	Upper	
166	100		
165	99.2	77.8	116.8
167	15.6	11.2	16.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

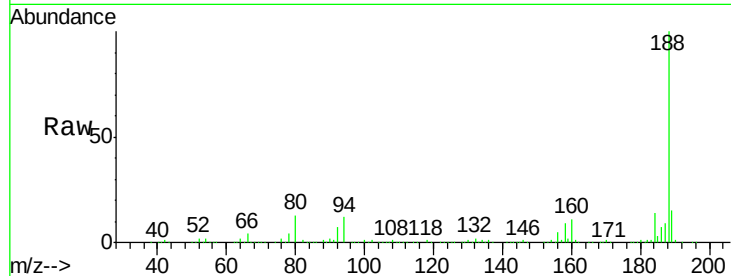
ClientSampleId :

STA-990-PLATFORM(0-4)

Tot Ion:	188	Resp:	325032
Ion Ratio	Lower	Upper	
188	100		
94	12.1	9.0	13.6
80	13.4	10.0	15.0

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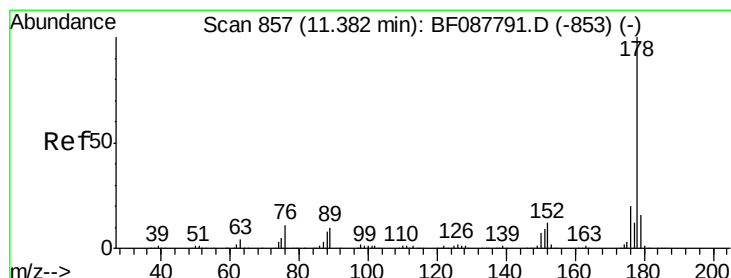
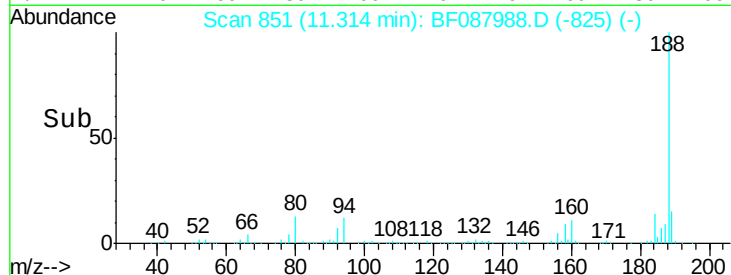
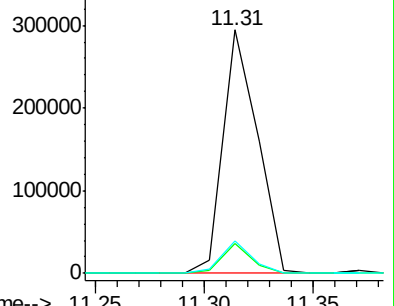
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 63.08 ng

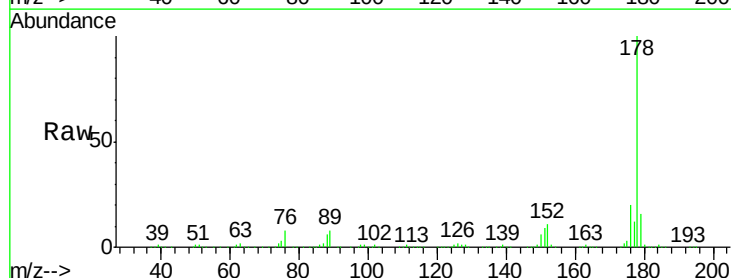
RT: 11.35 min Scan# 854

Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

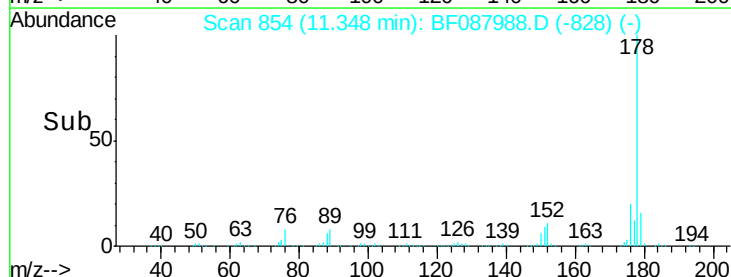
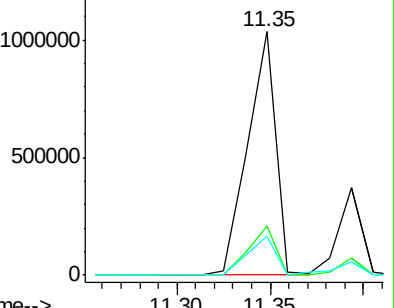
Tgt Ion:	178	Resp:	1075866
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.8	23.6
179	15.8	13.0	19.4

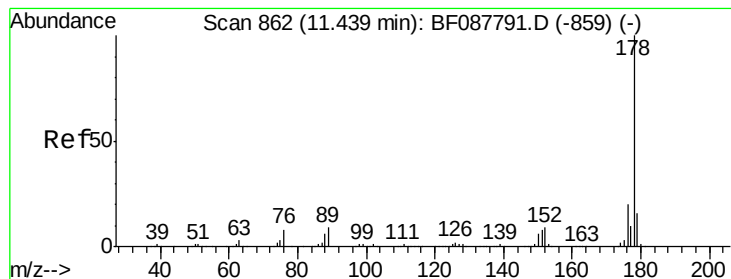


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





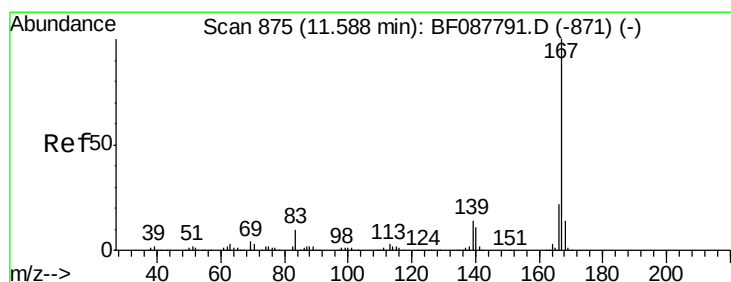
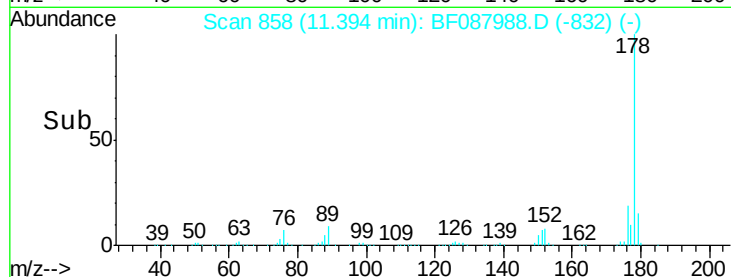
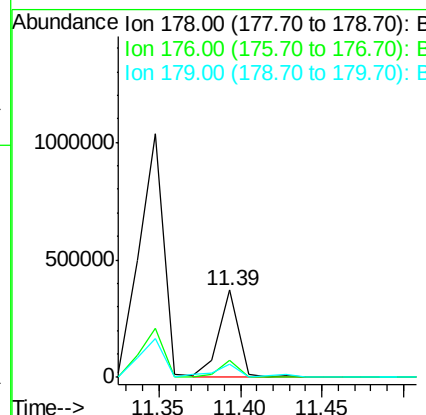
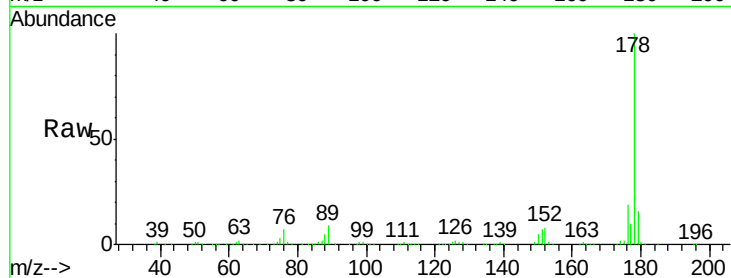
#71
 Anthracene
 Concen: 18.33 ng
 RT: 11.39 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: BF087988.D
 Acq: 13 Jun 2016 17:39

Instrument :
 BNA_F
 ClientSampleId :
 STA-990-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.5	12.8	19.2

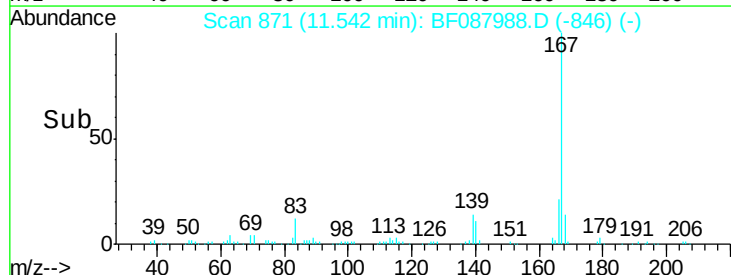
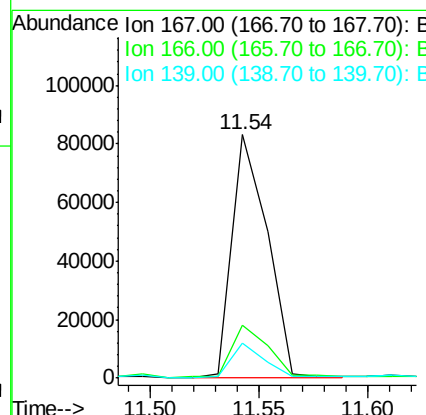
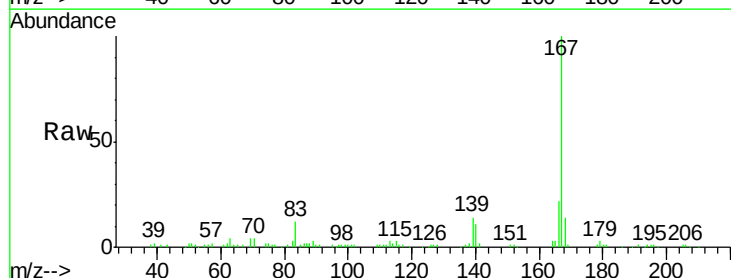
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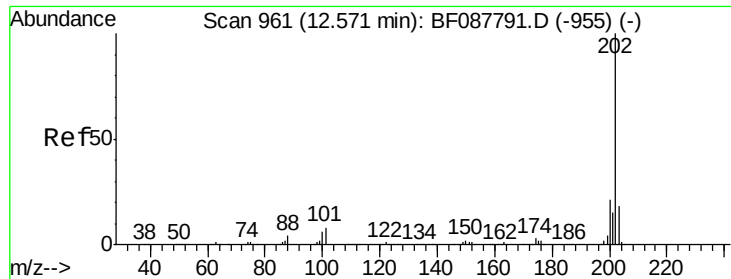
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#72
 Carbazole
 Concen: 5.84 ng
 RT: 11.54 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BF087988.D
 Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	14.3	11.2	16.8





#74

Fluoranthene

Concen: 72.78 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF087988.D

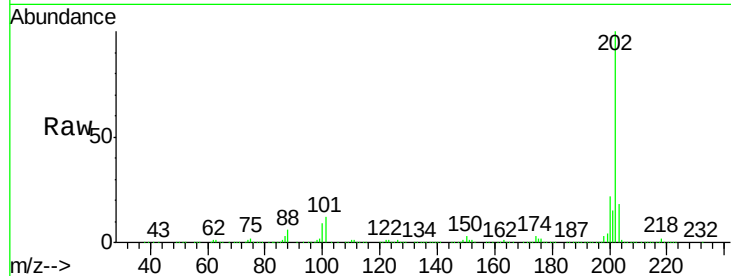
Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

ClientSampleId :

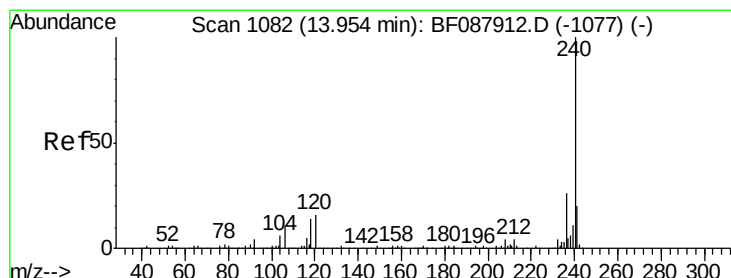
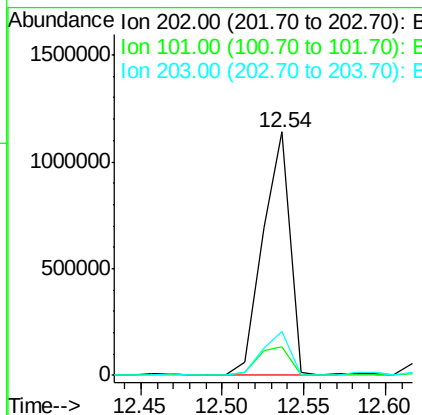
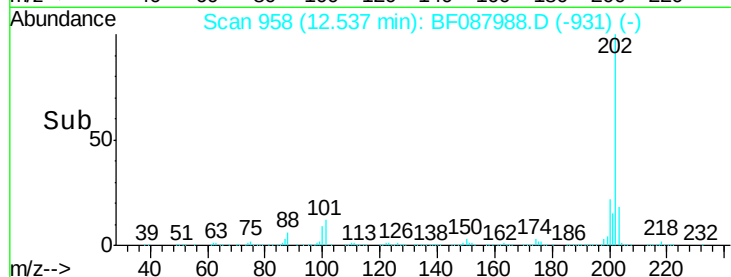
STA-990-PLATFORM(0-4)



Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.8	0.0	33.1		
203	18.2	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

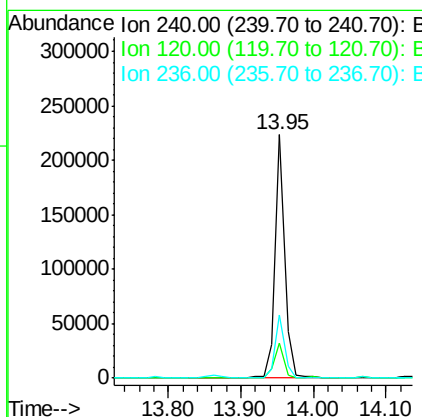
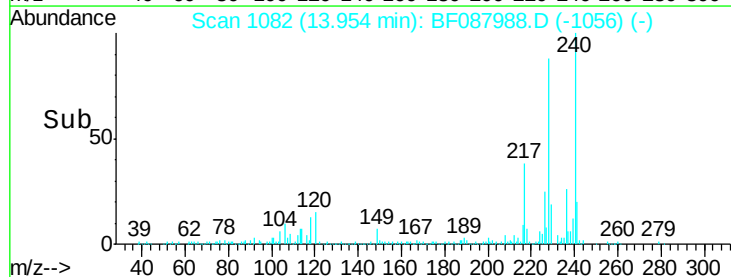
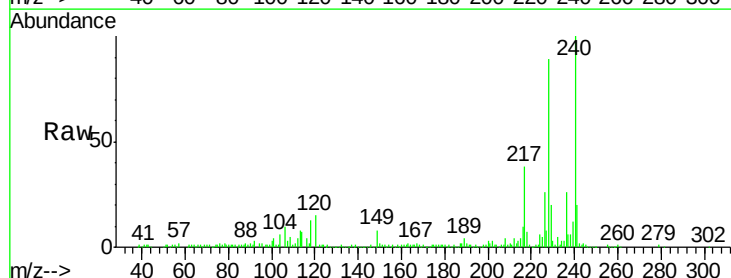
RT: 13.95 min Scan# 1082

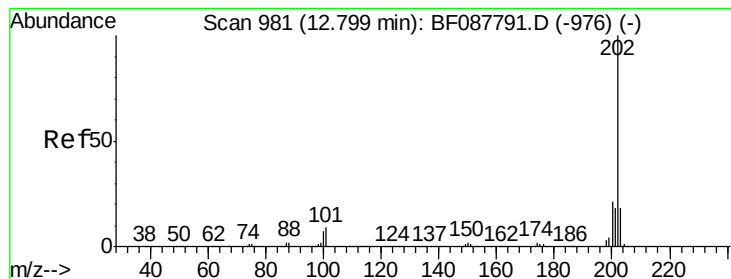
Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.5	6.8	10.2#		
236	26.0	20.2	30.2		





#77

Pvrene

Concen: 83.44 ng

RT: 12.77 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

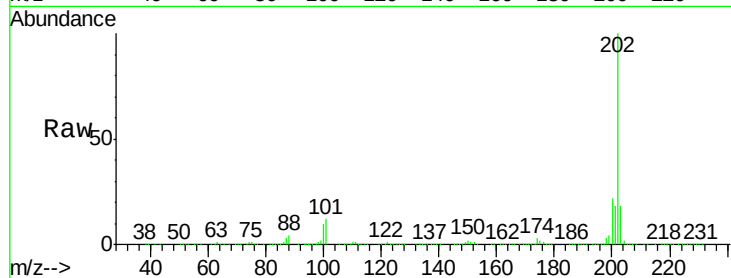
ClientSampleId :

STA-990-PLATFORM(0-4)

Tot Ion:	202	Resp:	1311536
Ion Ratio		Lower	Upper
202	100		
200	22.4	17.4	26.2
203	18.4	14.5	21.7

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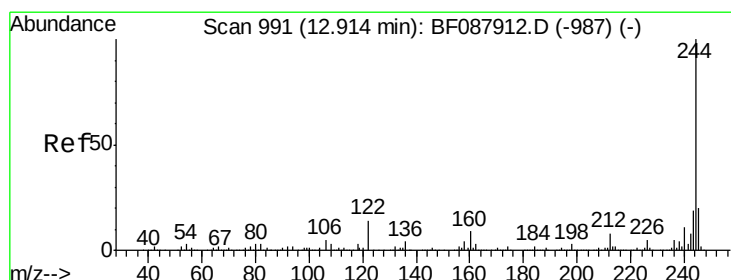
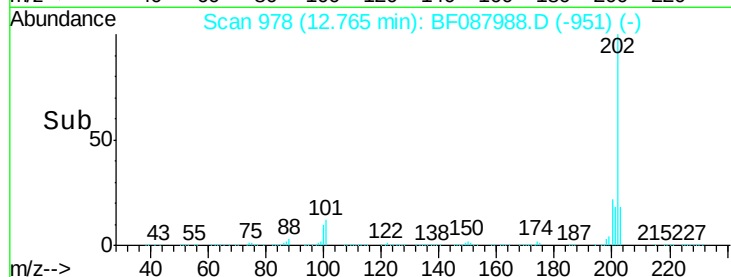
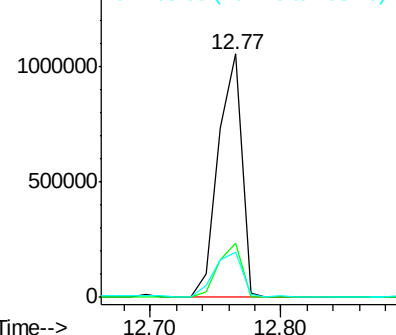
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 61.06 ng

RT: 12.90 min Scan# 990

Delta R.T. 0.00 min

Lab File: BF087988.D

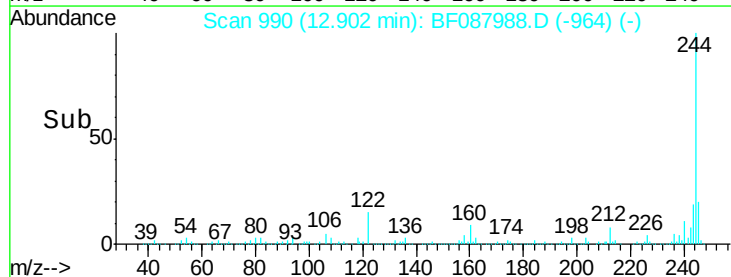
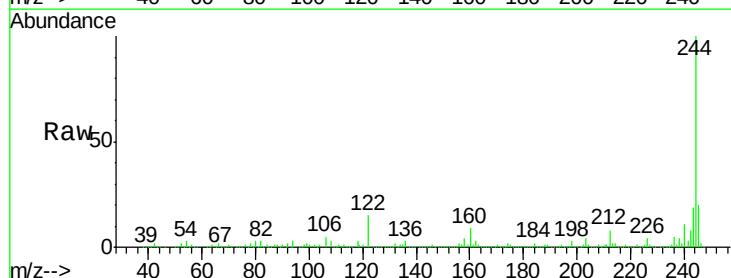
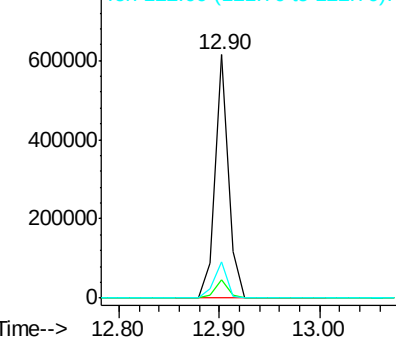
Acq: 13 Jun 2016 17:39

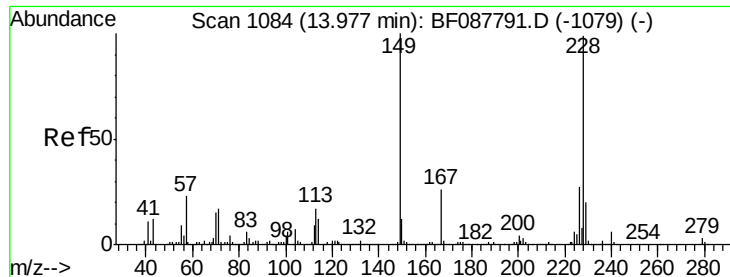
Tgt Ion:	244	Resp:	568324
Ion Ratio		Lower	Upper
244	100		
212	7.6	6.0	9.0
122	15.0	11.2	16.8

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





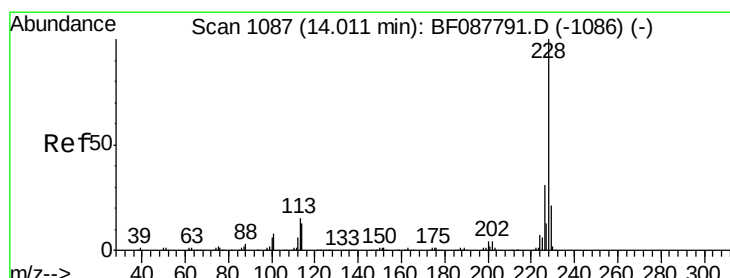
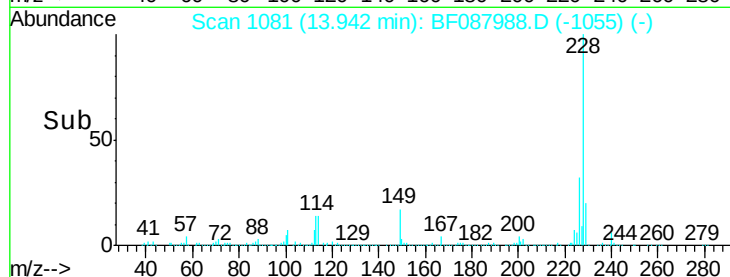
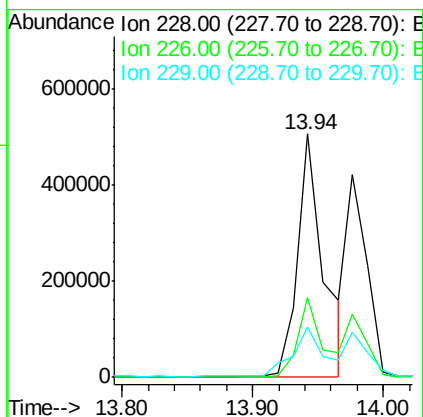
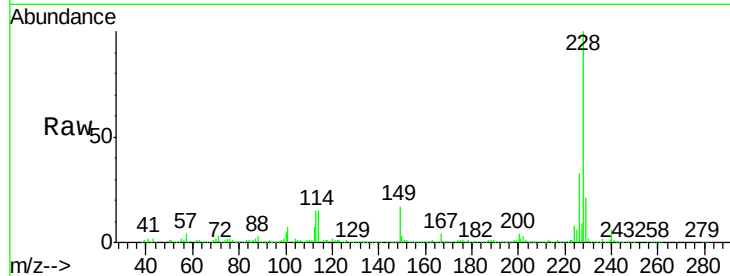
#80
Benzo(a)anthracene
Concen: 58.11 ng
RT: 13.94 min Scan# 1081
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.3	33.5
229	20.6	16.0	24.0

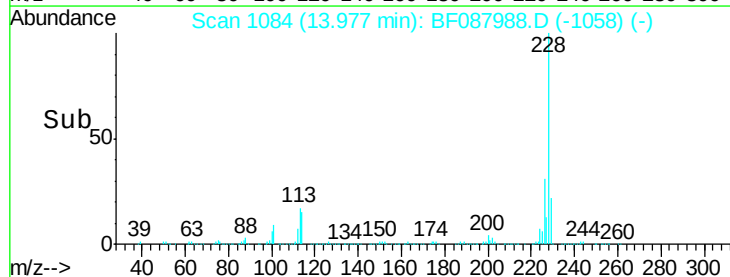
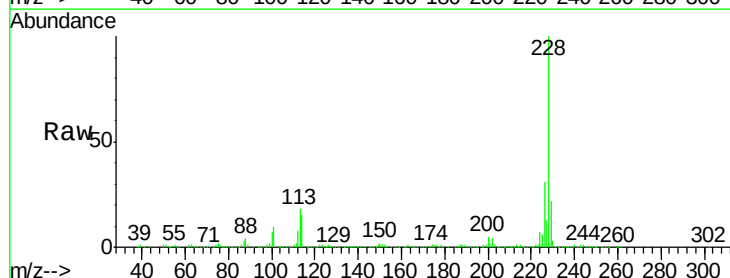
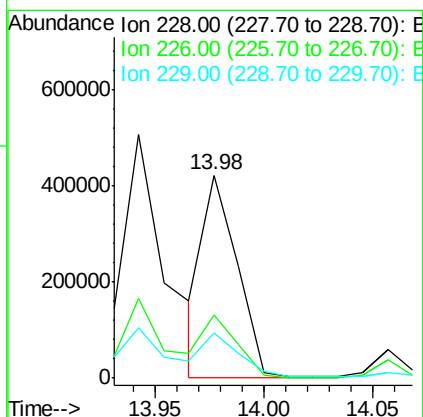
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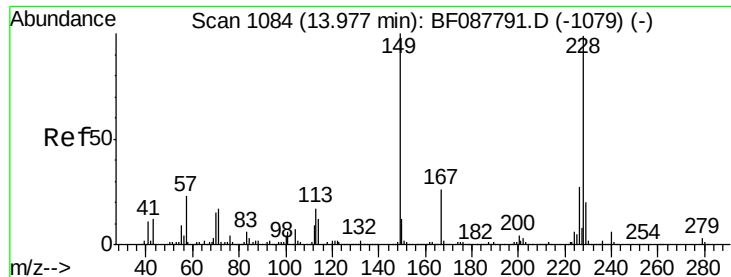
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#82
Chrysene
Concen: 40.24 ng
RT: 13.98 min Scan# 1084
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.2
229	22.3	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 9.25 ng

RT: 13.94 min Scan# 1081

Delta R.T. 0.00 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

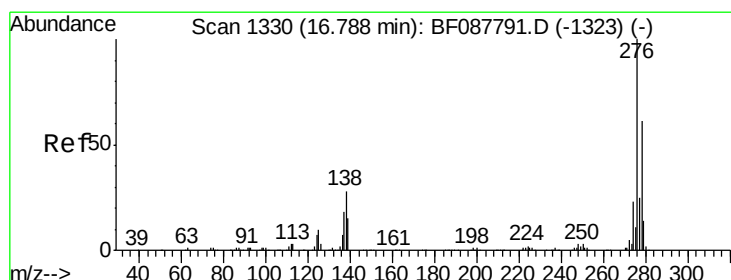
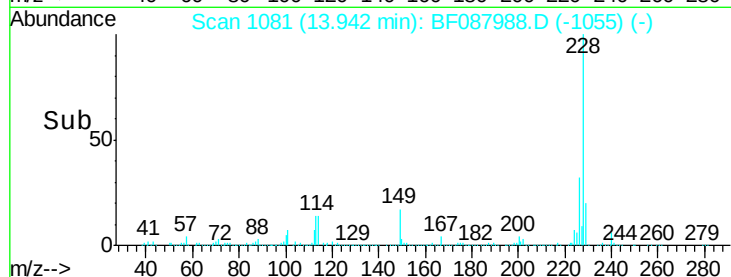
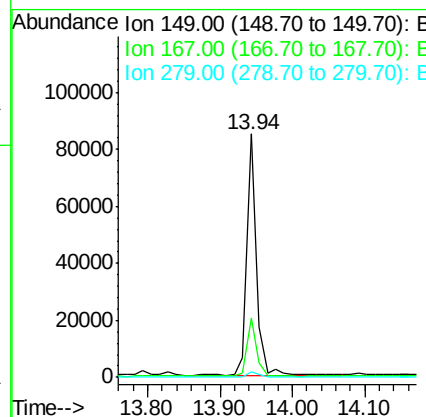
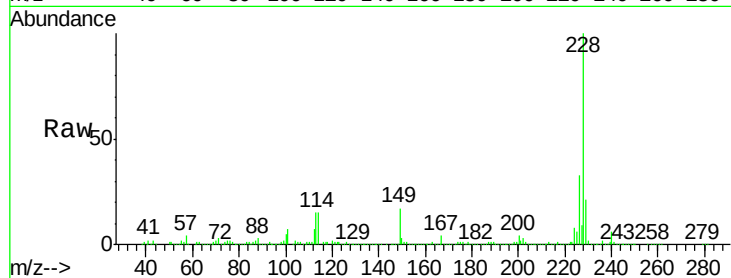
ClientSampleId :

STA-990-PLATFORM(0-4)

Tot Ion:	149	Resp:	78273
Ion Ratio	Lower	Upper	
149	100		
167	24.5	20.5	30.7
279	2.4	2.0	3.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 25.47 ng

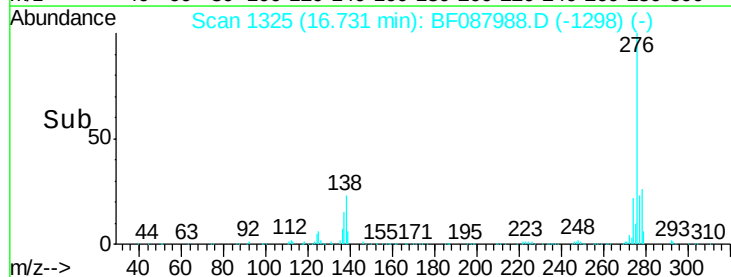
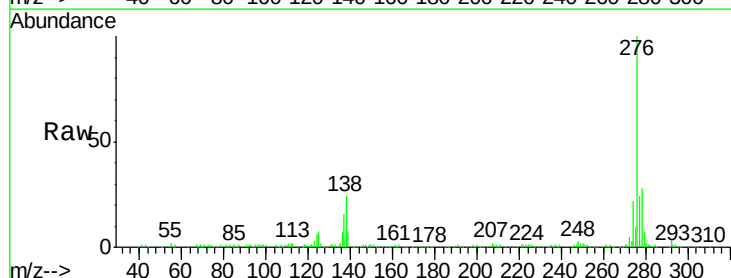
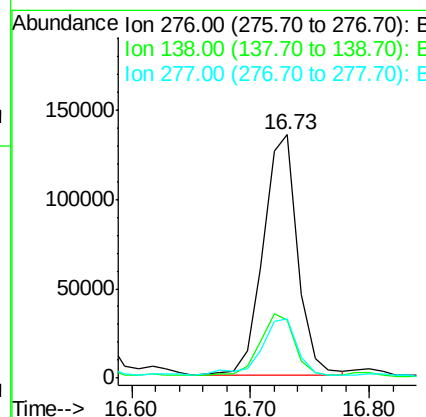
RT: 16.73 min Scan# 1325

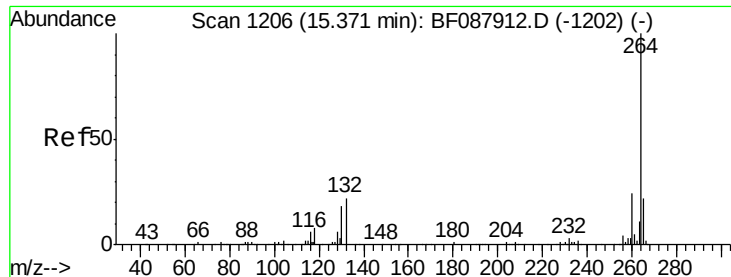
Delta R.T. 0.01 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Tgt Ion:	276	Resp:	268686
Ion Ratio	Lower	Upper	
276	100		
138	26.9	0.0	0.0#
277	25.2	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Instrument :

BNA_F

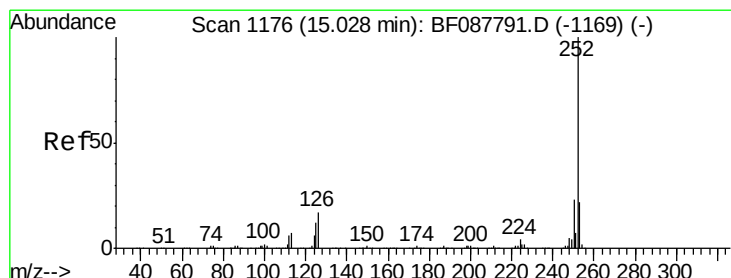
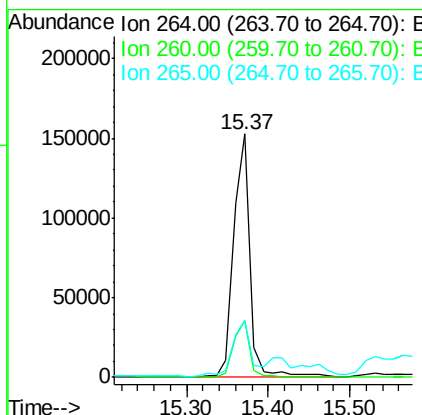
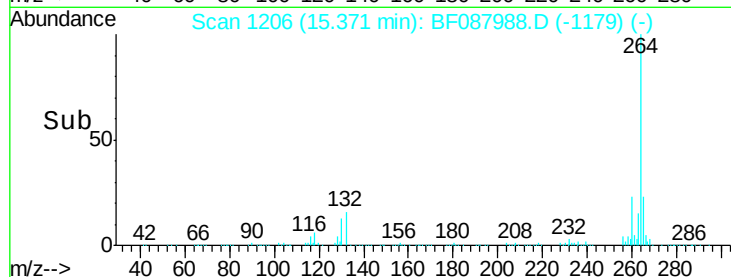
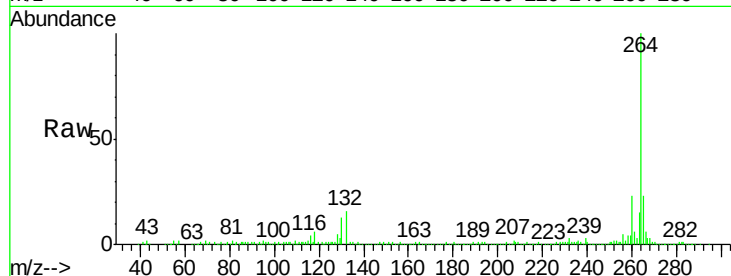
ClientSampleId :

STA-990-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.1	16.9	25.3

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#87

Benzo(b)fluoranthene

Concen: 50.06 ng m

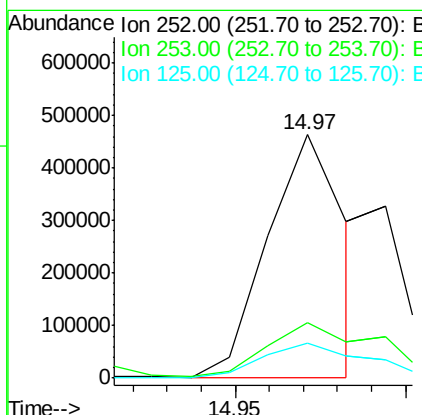
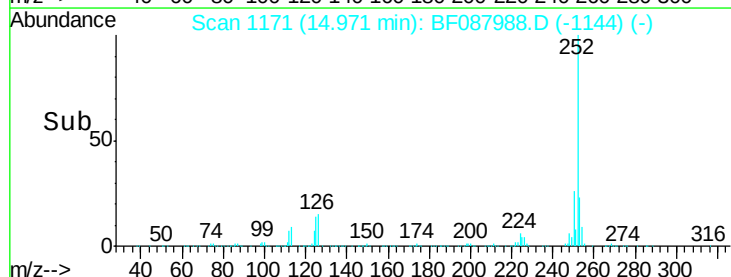
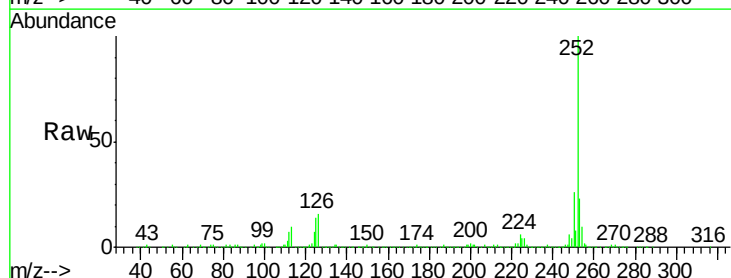
RT: 14.97 min Scan# 1171

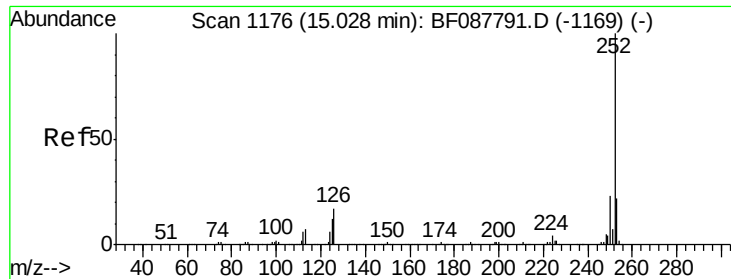
Delta R.T. 0.01 min

Lab File: BF087988.D

Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	14.2	7.1	10.7#





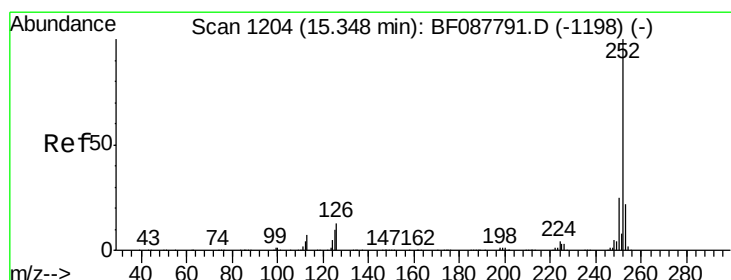
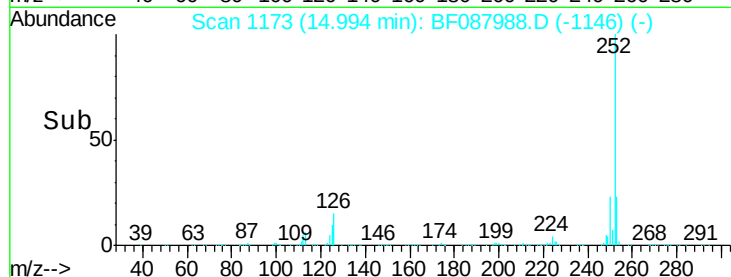
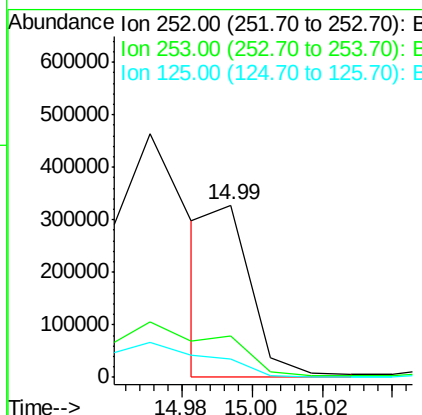
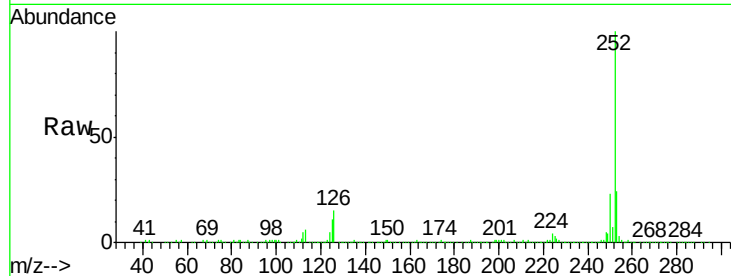
#88
Benzo(k)fluoranthene
Concen: 23.24 ng m
RT: 14.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	10.5	11.2	16.8#

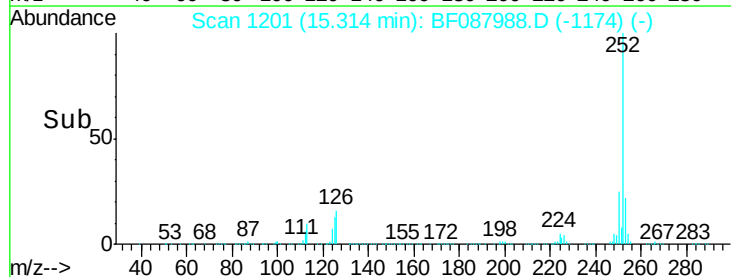
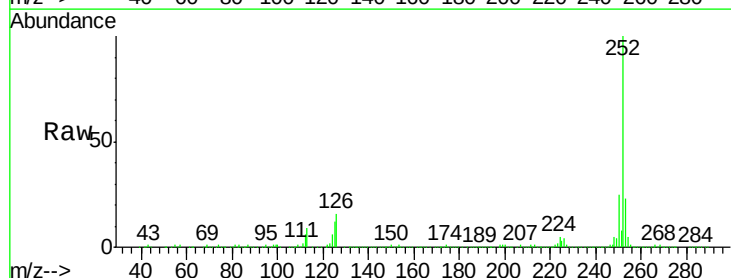
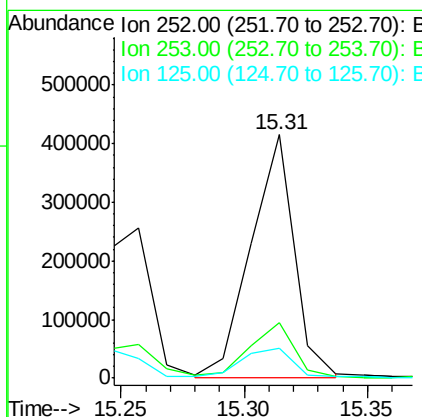
Manual Integrations
APPROVED

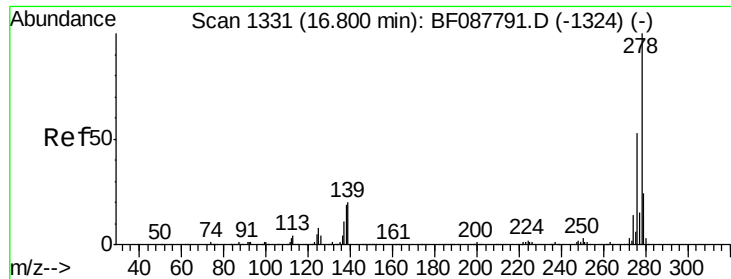
umangi
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#89
Benzo(a)pyrene
Concen: 42.70 ng m
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.4	12.5	18.7#





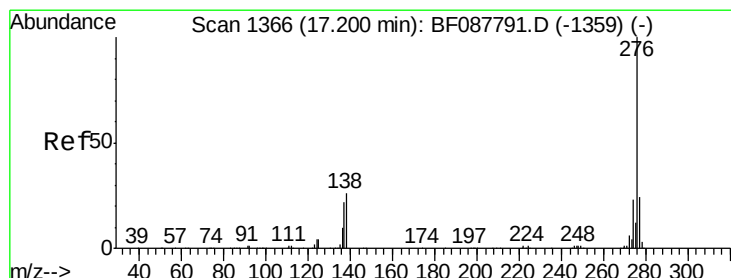
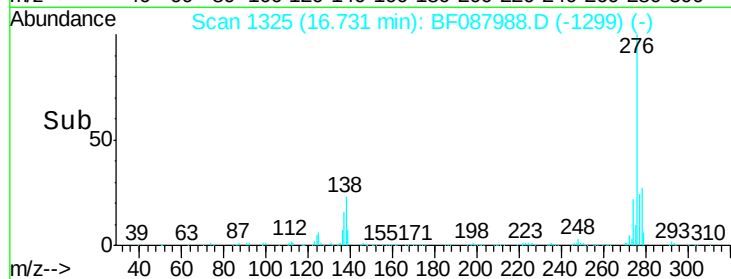
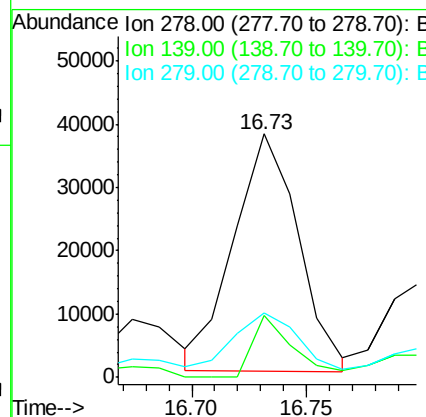
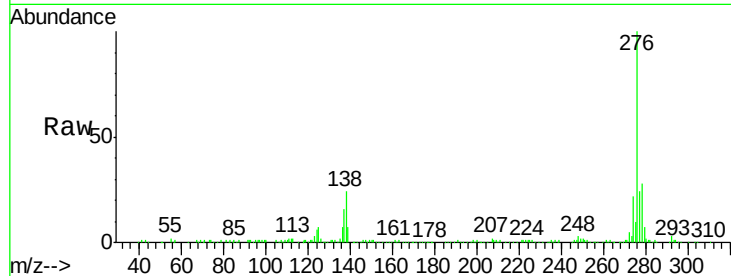
#90
Dibenzo(a,h)anthracene
Concen: 6.67 ng/mL
RT: 16.73 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.5	15.7	23.5
279	26.4	19.4	29.2

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 22.18 ng/mL
RT: 17.13 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF087988.D
Acq: 13 Jun 2016 17:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	28.4	21.4	32.2

