

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087884.D
 Acq On : 10 Jun 2016 19:50
 Operator : UM/SJ
 Sample : H3395-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-932-PLATFORM(0-4)

Manual Integrations
 APPROVED

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 6/13/2016 7:11:16 PM

Quant Time: Jun 11 02:16:49 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	117220	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	460849	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	192163	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	276908	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	228191	20.00	ng	-0.03
86) Perylene-d12	15.37	264	212189	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	864738	126.11	ng	-0.01
7) Phenol-d6	6.46	99	1173988	141.28	ng	-0.02
23) Nitrobenzene-d5	7.38	82	682616	86.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	197843	97.51	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1000434	81.56	ng	-0.03
78) Terphenyl-d14	12.91	244	763163	76.10	ng	-0.03
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	161921	8.19	ng	98
49) Dimethylphthalate	9.56	163	118286	8.50	ng	99
70) Phenanthrene	11.35	178	189060	13.01	ng	98
71) Anthracene	11.39	178	111507	7.61	ng	99
72) Carbazole	11.55	167	28462	2.08	ng	98
74) Fluoranthene	12.54	202	734363	47.89	ng	99
77) Pyrene	12.77	202	724945	42.81	ng	100
80) Benzo(a)anthracene	13.94	228	563230	43.31	ng	# 90
82) Chrysene	13.98	228	379754m	31.04	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	200187	17.61	ng	# 100
87) Benzo(b)fluoranthene	14.97	252	633287m	42.82	ng	
88) Benzo(k)fluoranthene	14.99	252	206087m	18.47	ng	
89) Benzo(a)pyrene	15.31	252	358510m	29.96	ng	
90) Dibenzo(a,h)anthracene	16.73	278	54290	4.89	ng	94
91) Benzo(a,h,i)perylene	17.13	276	166921	14.60	ng	97

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

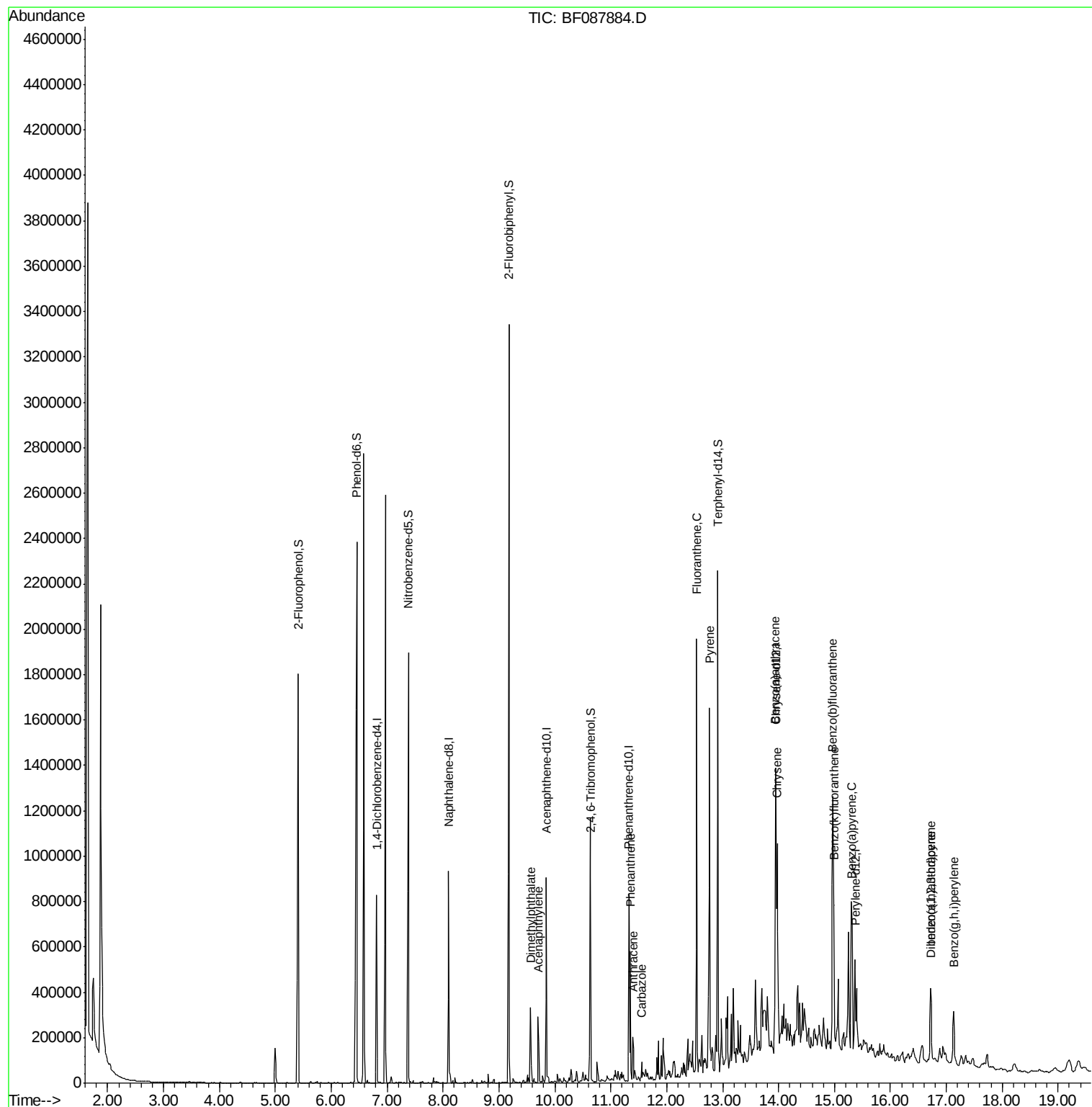
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
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#1

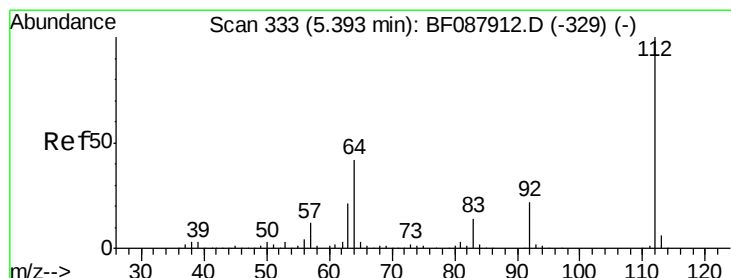
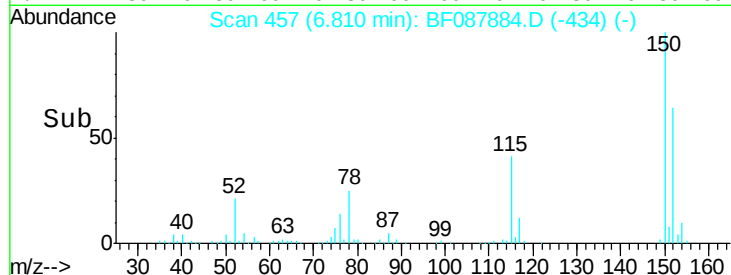
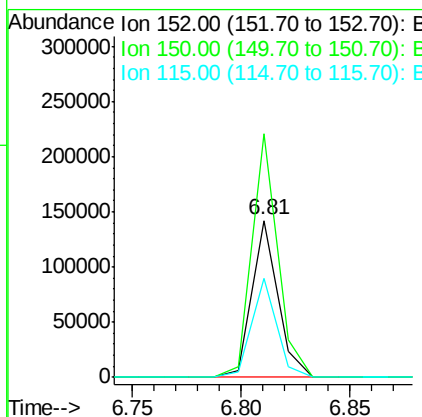
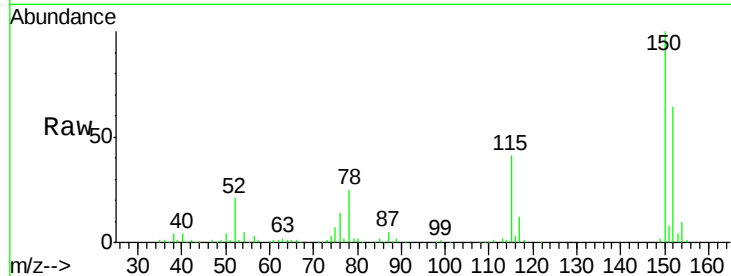
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.8	185.6
115	63.2	39.6	59.4

Manual Integrations
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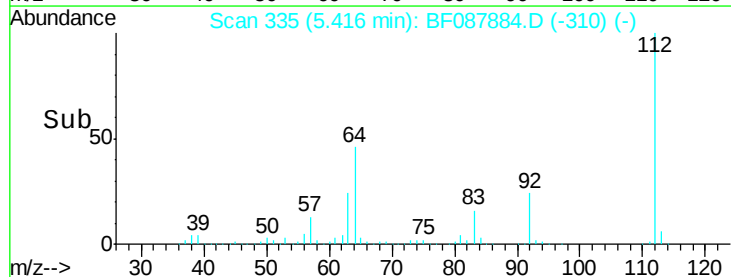
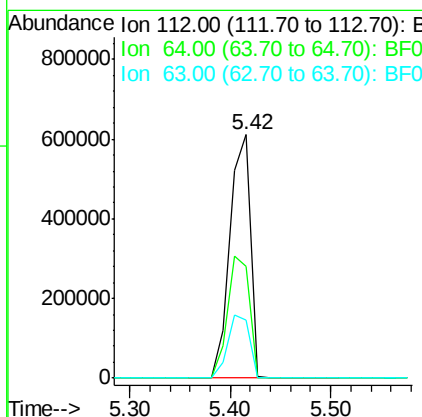
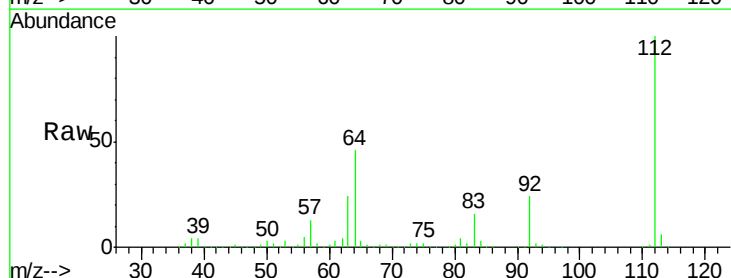
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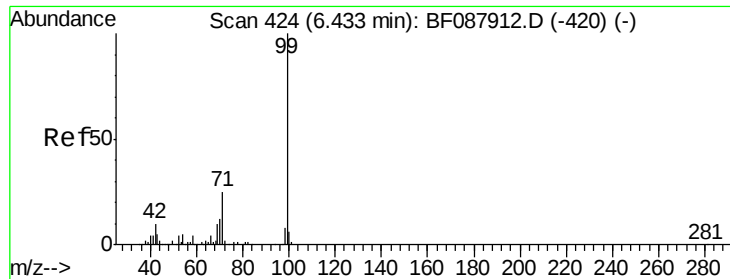


#5

2-Fluorophenol
Concen: 126.11 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.8	42.2	63.2
63	23.7	21.8	32.8





#7

Phenol-d6

Concen: 141.28 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Instrument :

BNA_F

ClientSampleId :

STA-932-PLATFORM(0-4)

Tot Ion: 99 Resp: 1173988

Ion Ratio Lower Upper

99 100

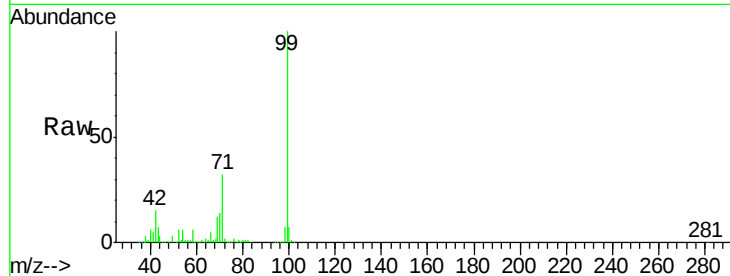
42 15.2 12.2 18.2

71 32.2 23.4 35.0

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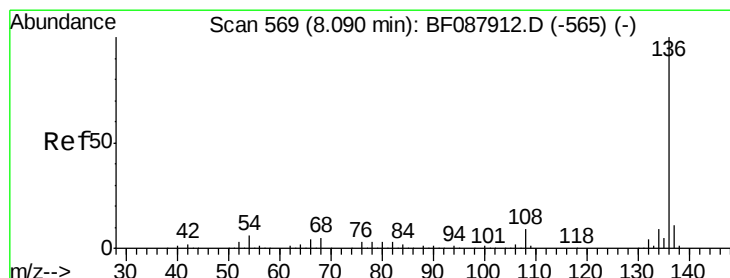
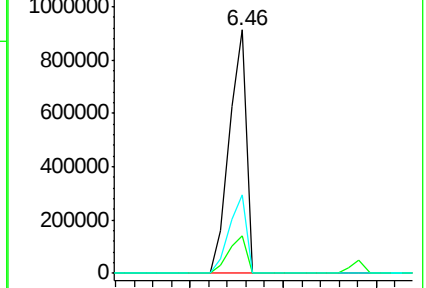
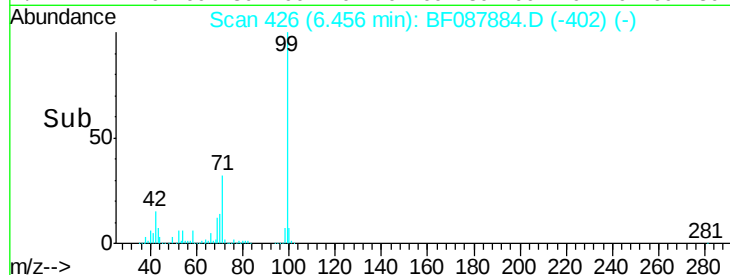
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Tgt Ion: 136 Resp: 460849

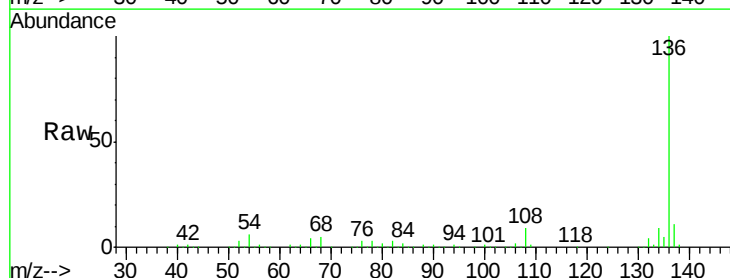
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.6 6.6 10.0#

68 4.9 5.1 7.7#

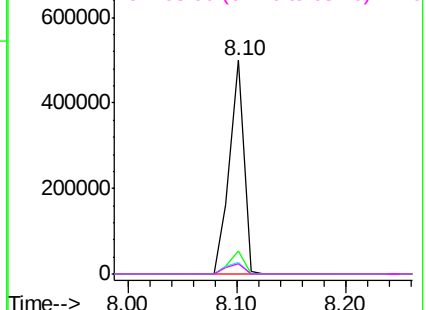
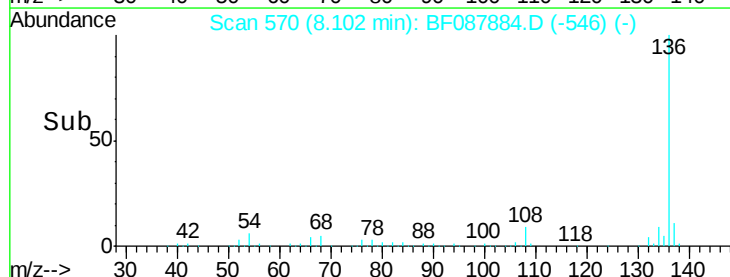


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





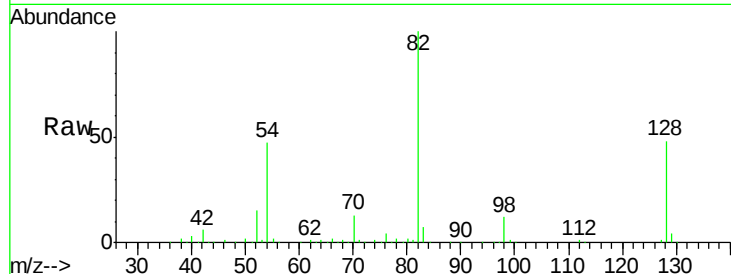
#23
Nitrobenzene-d5
Concen: 86.49 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

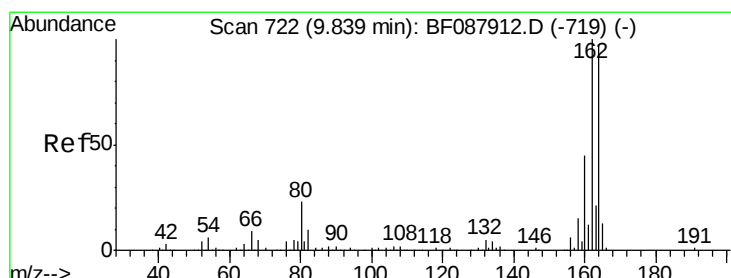
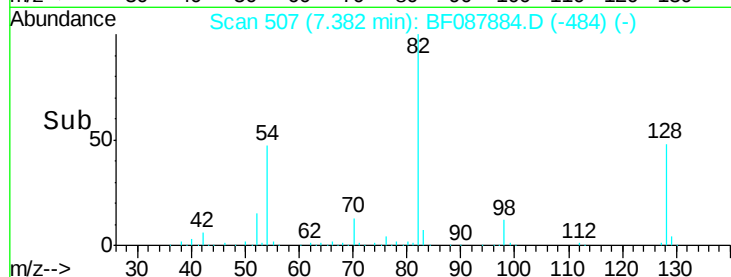
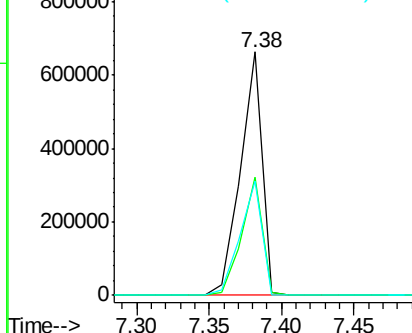
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	35.9	53.9
54	46.9	40.9	61.3

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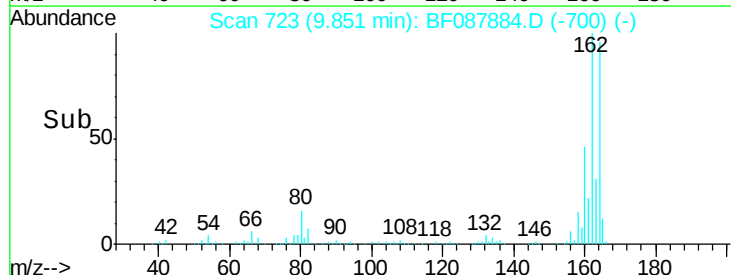
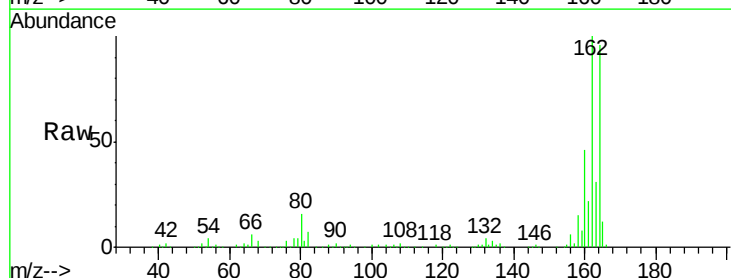
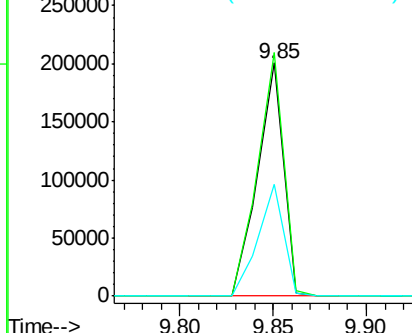
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.4	128.2
160	47.9	39.5	59.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





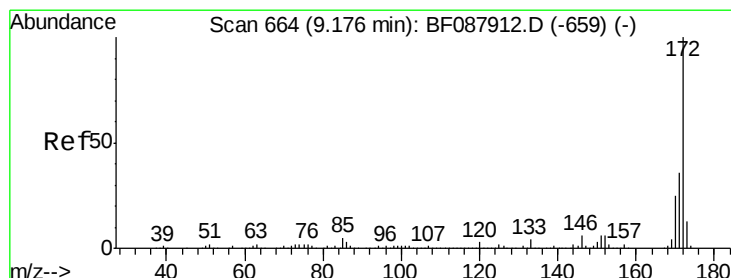
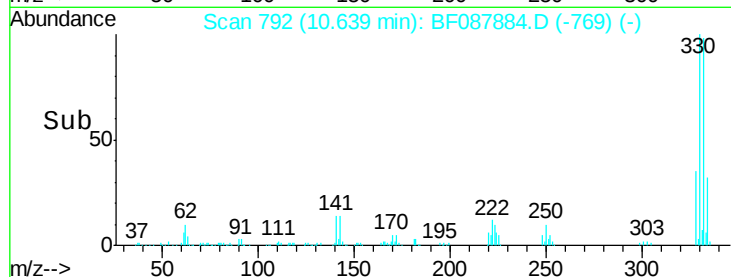
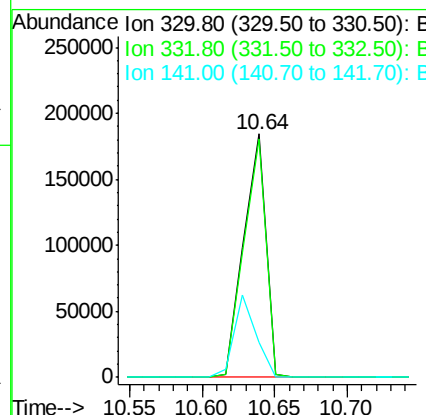
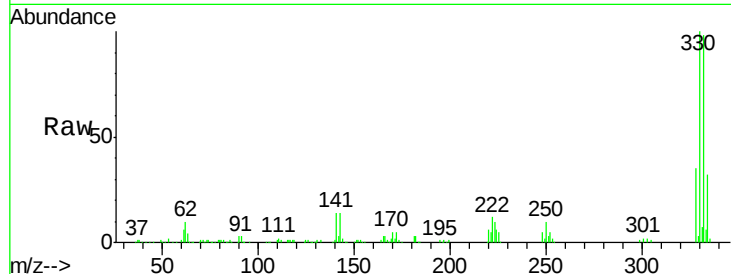
#41
 2,4,6-Tribromophenol
 Concen: 97.51 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087884.D
 Acq: 10 Jun 2016 19:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	33.8	0.0	0.0#

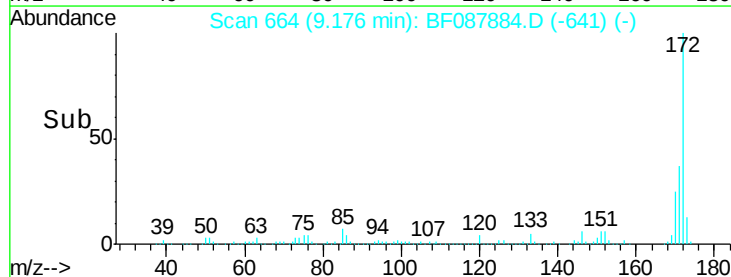
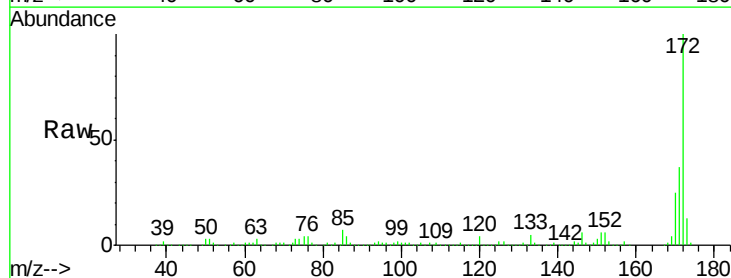
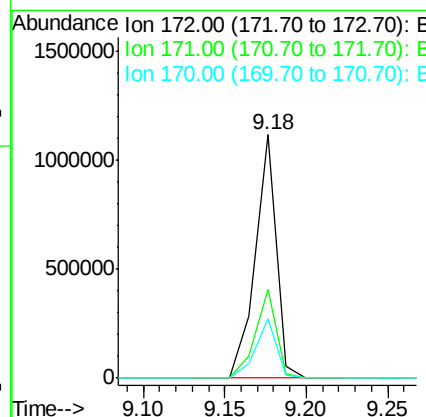
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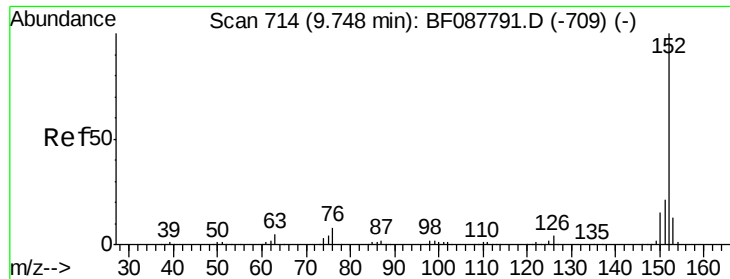
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#44
 2-Fluorobiphenyl
 Concen: 81.56 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087884.D
 Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.6	28.6	43.0
170	24.6	19.2	28.8





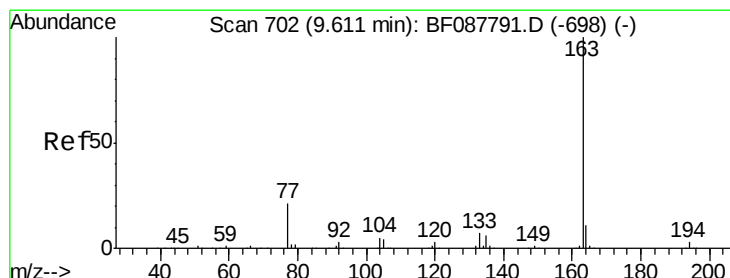
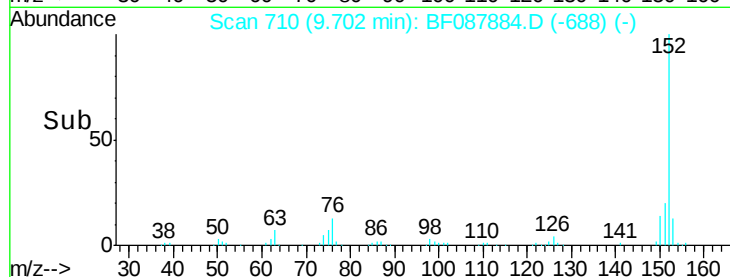
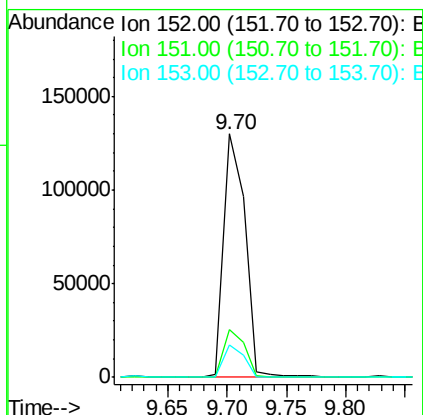
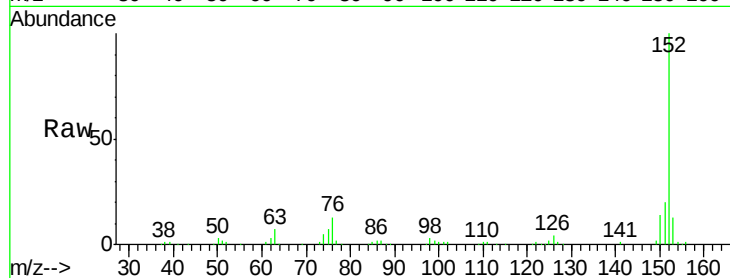
#48
Acenaphthylene
Concen: 8.19 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.05 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

Tot Ion:	152	Resp:	161921
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.2	24.4
153	13.2	11.0	16.6

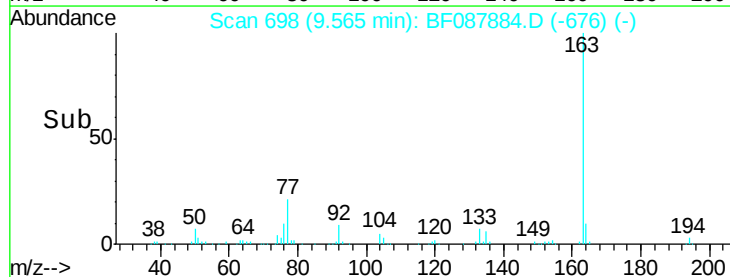
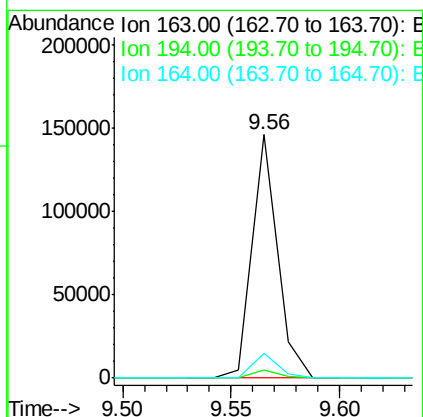
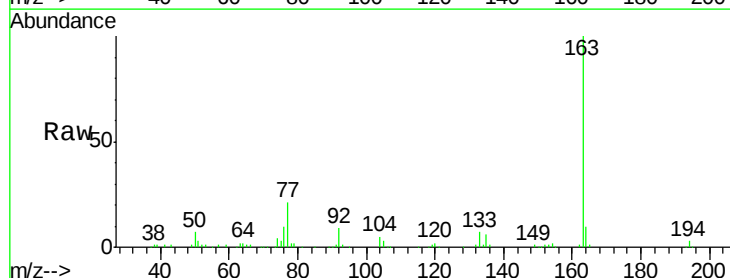
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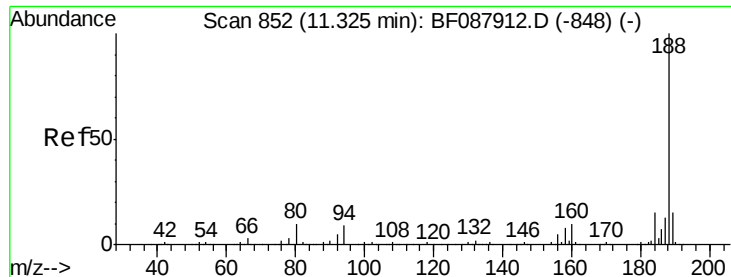
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#49
Dimethylphthalate
Concen: 8.50 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Tgt Ion:	163	Resp:	118286
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	10.1	8.3	12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Instrument :

BNA_F

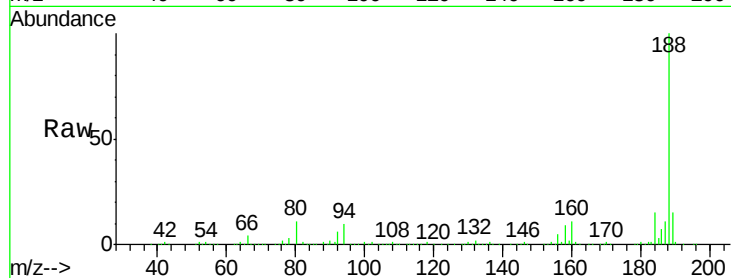
ClientSampleId :

STA-932-PLATFORM(0-4)

Tot Ion:188	Resp:	276908
Ion Ratio	Lower	Upper
188 100		
94 10.4	9.0	13.6
80 10.7	10.0	15.0

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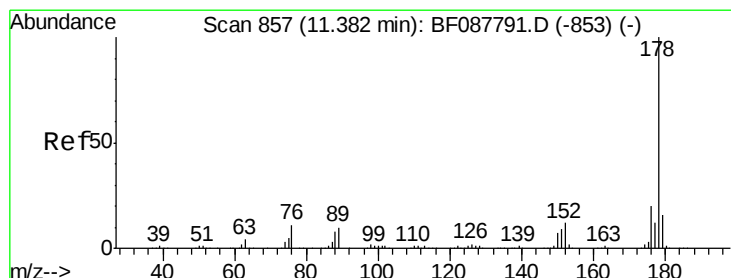
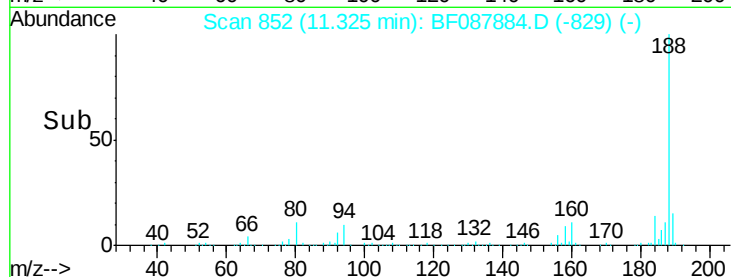
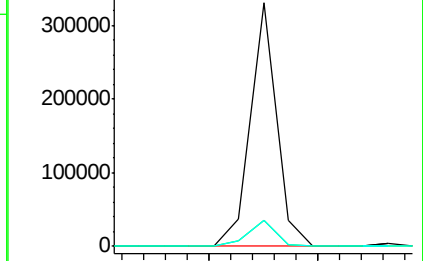
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 13.01 ng

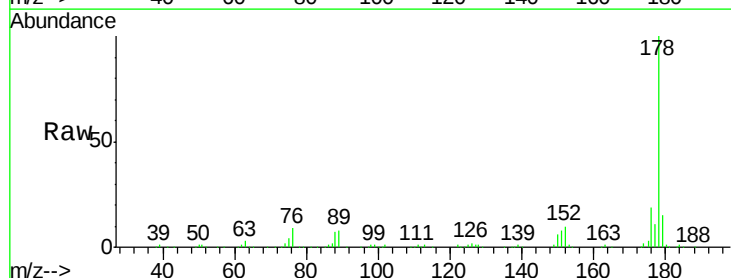
RT: 11.35 min Scan# 854

Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

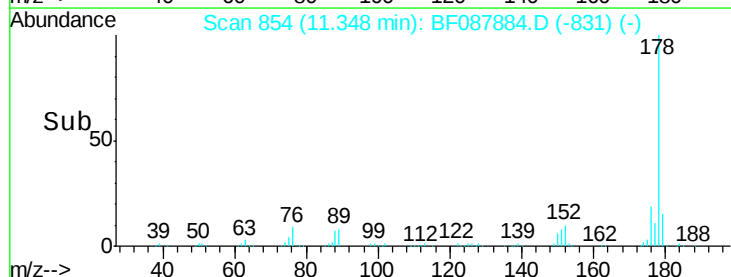
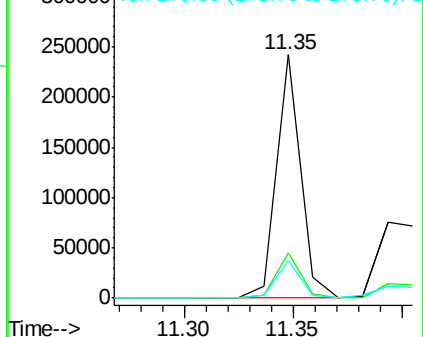
Tgt Ion:178	Resp:	189060
Ion Ratio	Lower	Upper
178 100		
176 18.7	15.8	23.6
179 15.2	13.0	19.4

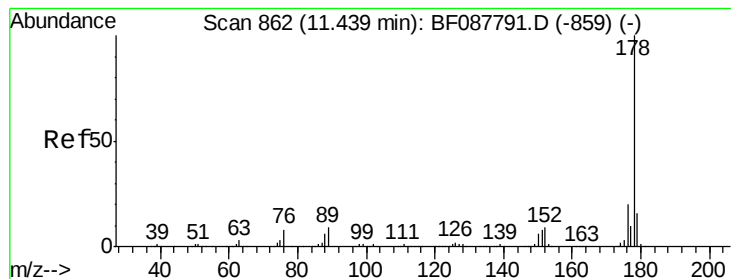


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.61 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.05 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Instrument :

BNA_F

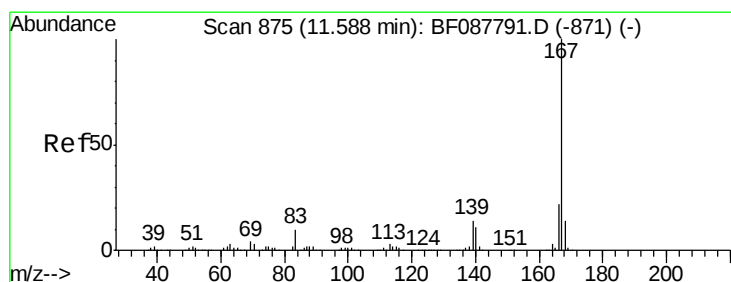
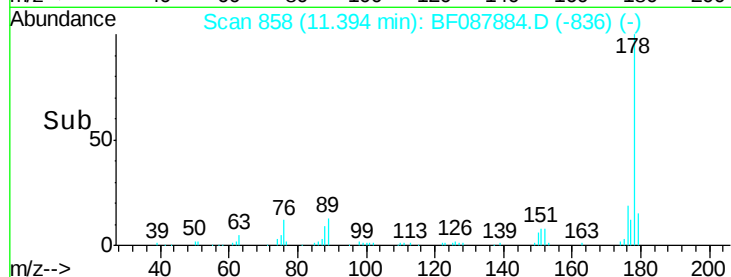
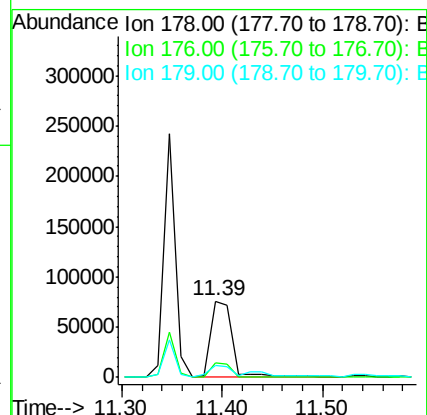
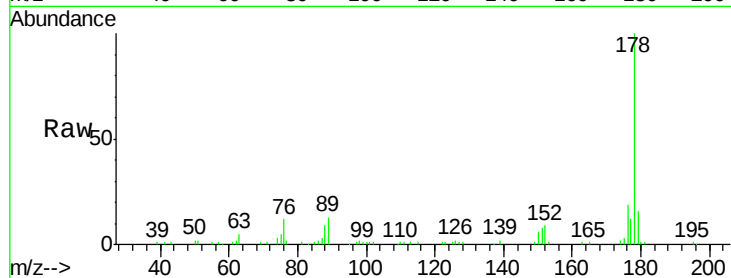
ClientSampleId :

STA-932-PLATFORM(0-4)

Tot Ion:	178	Resp:	111507
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.6	23.4
179	15.9	12.8	19.2

Manual Integrations
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#72

Carbazole

Concen: 2.08 ng

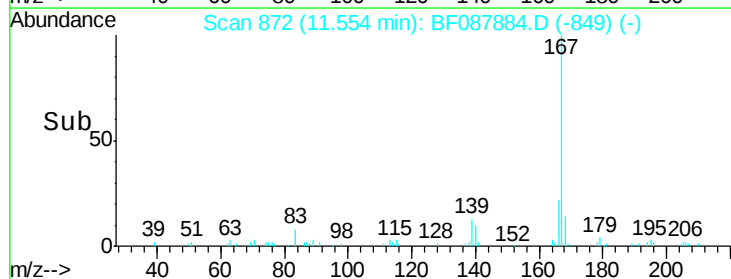
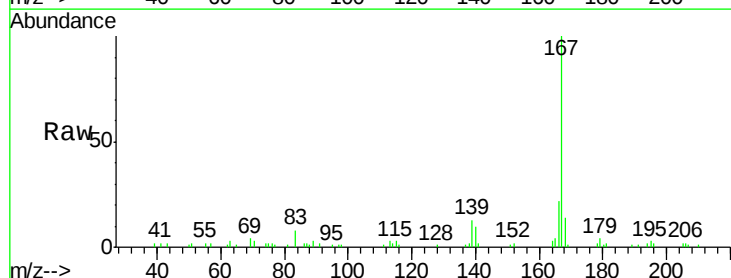
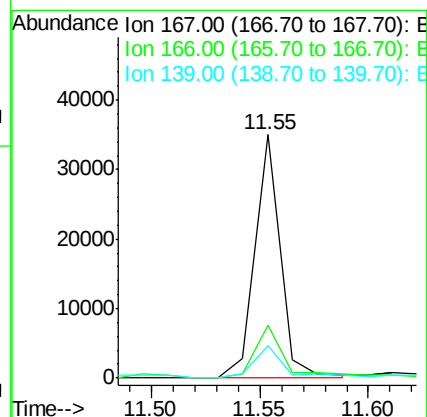
RT: 11.55 min Scan# 872

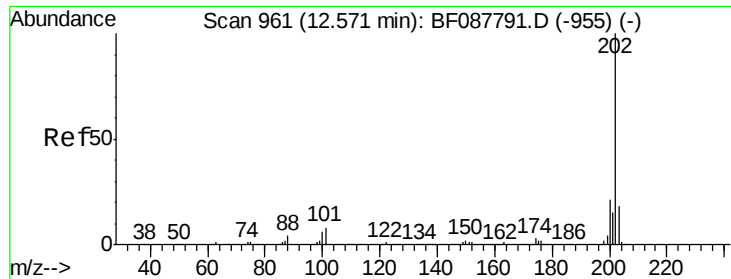
Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Tgt Ion:	167	Resp:	28462
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.8	26.6
139	13.2	11.2	16.8





#74

Fluoranthene

Concen: 47.89 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Instrument :

BNA_F

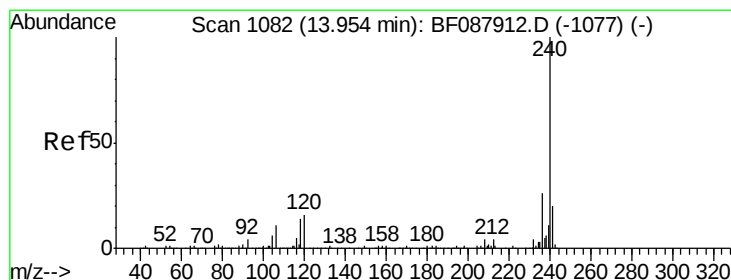
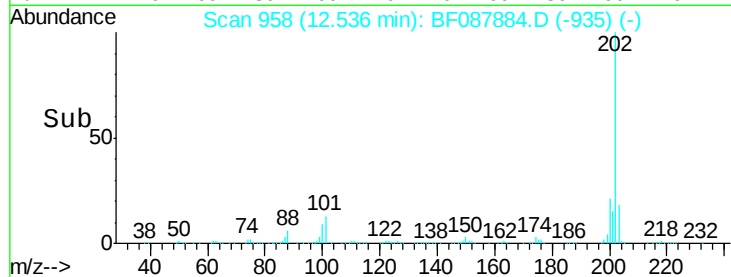
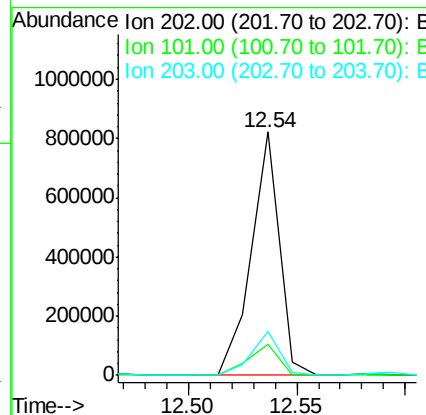
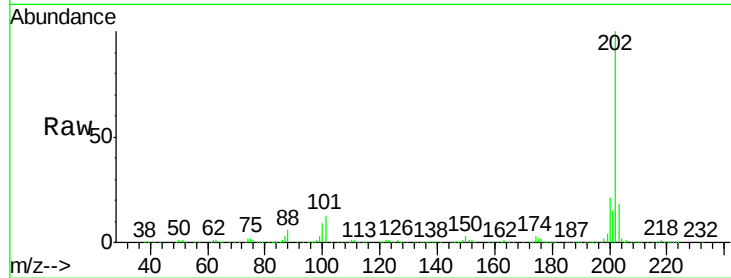
ClientSampleId :

STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	33.1
203	18.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

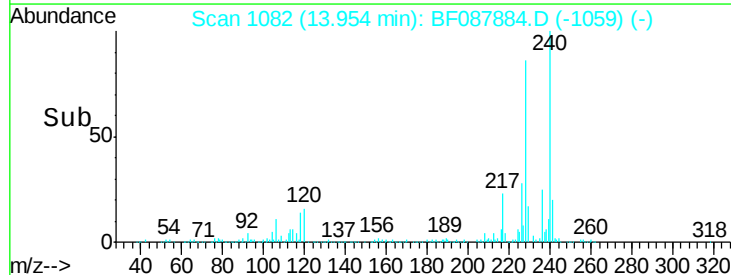
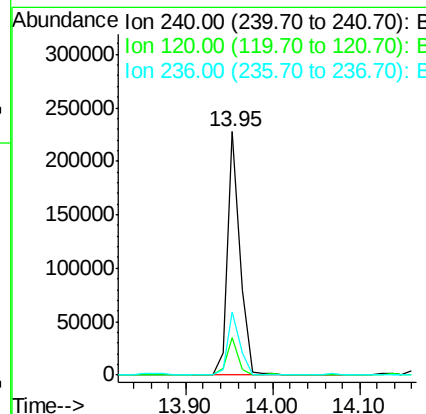
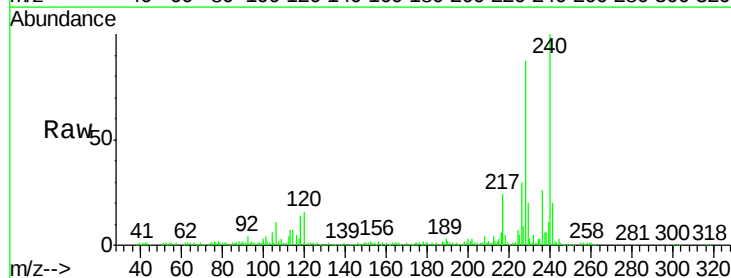
RT: 13.95 min Scan# 1082

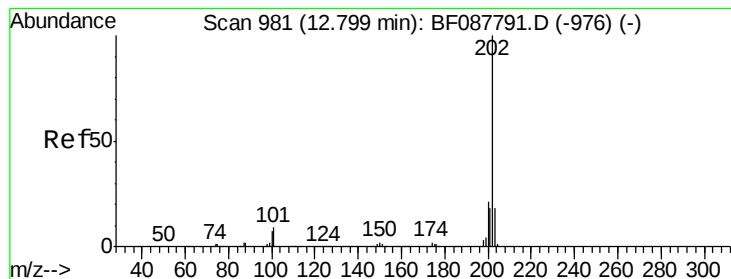
Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	6.8	10.2#
236	25.7	20.2	30.2





#77

Pvrene

Concen: 42.81 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Instrument :

BNA_F

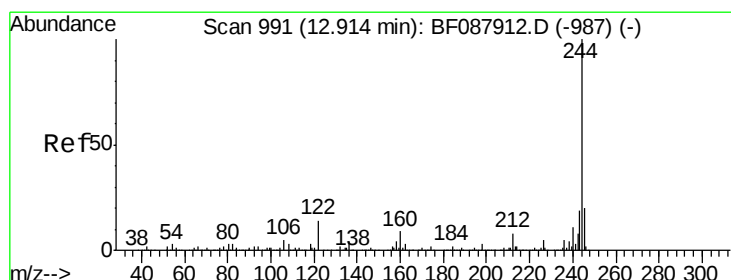
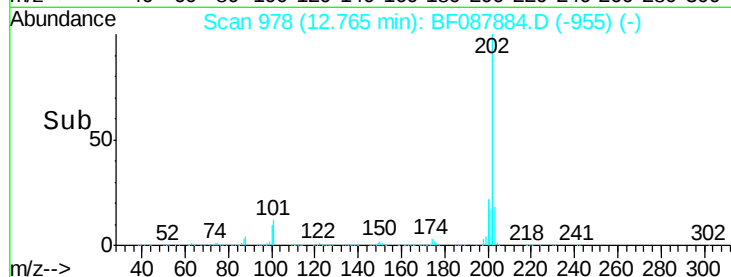
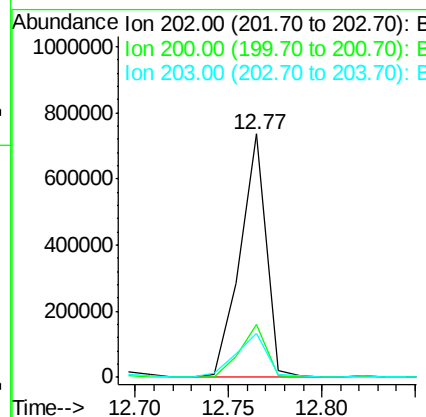
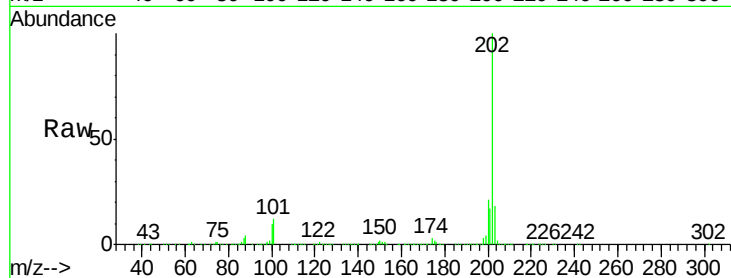
ClientSampleId :

STA-932-PLATFORM(0-4)

Tot Ion:	202	Resp:	724945
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.2	14.5	21.7

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#78

Terphenyl-d14

Concen: 76.10 ng

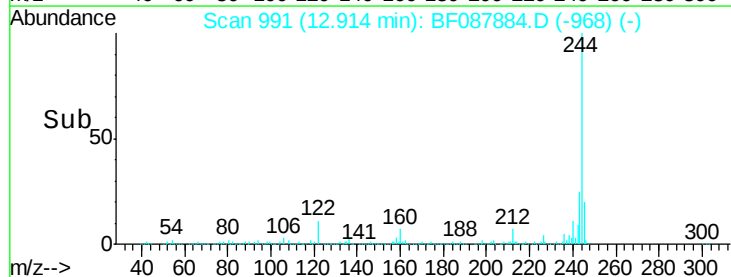
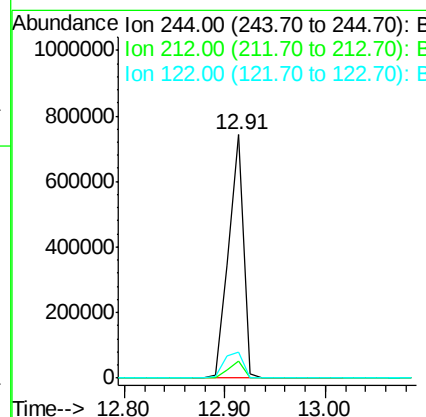
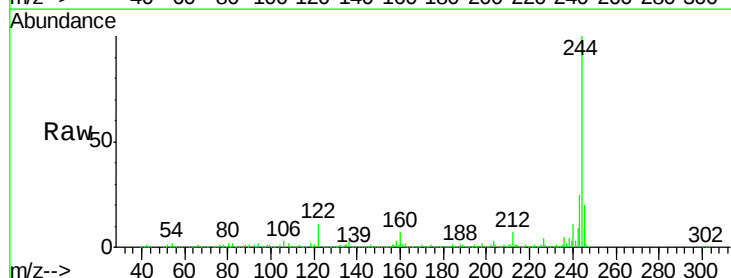
RT: 12.91 min Scan# 991

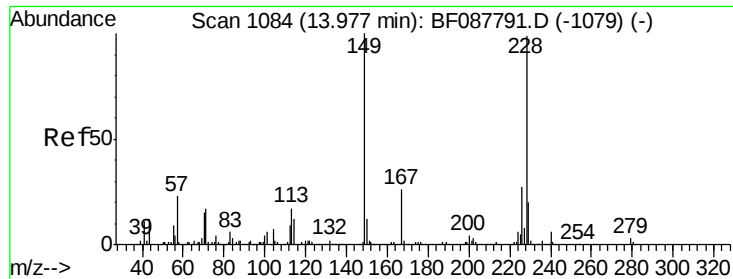
Delta R.T. -0.03 min

Lab File: BF087884.D

Acq: 10 Jun 2016 19:50

Tgt Ion:	244	Resp:	763163
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	10.6	11.2	16.8#





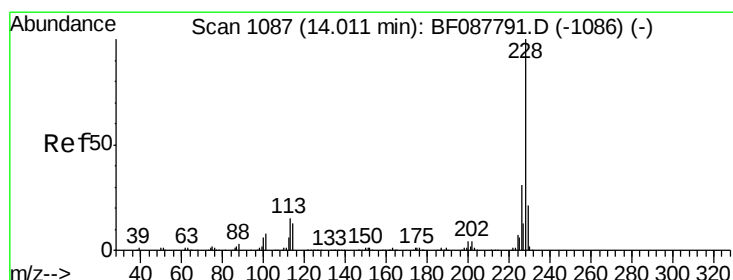
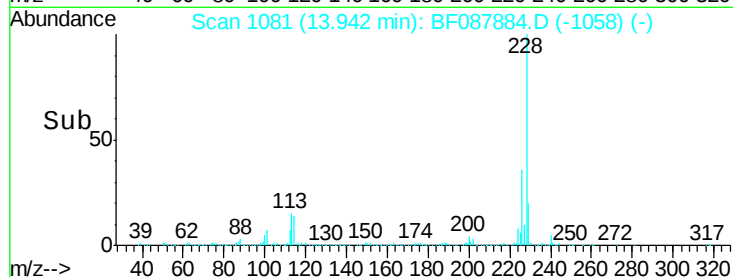
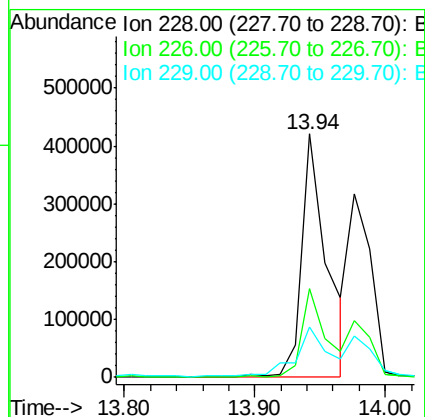
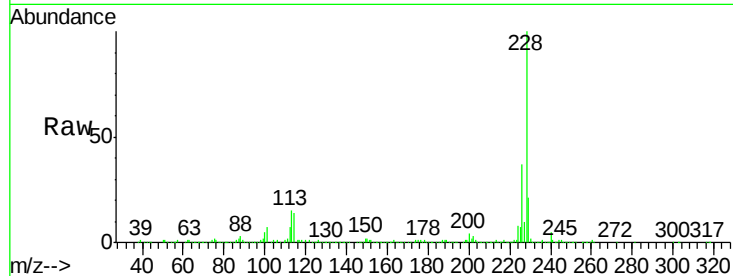
#80
Benzo(a)anthracene
Concen: 43.31 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.6	22.3	33.5#
229	20.9	16.0	24.0

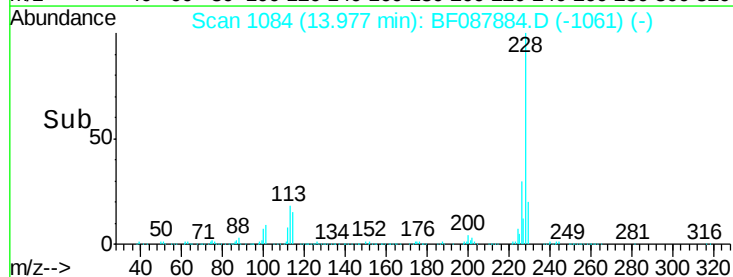
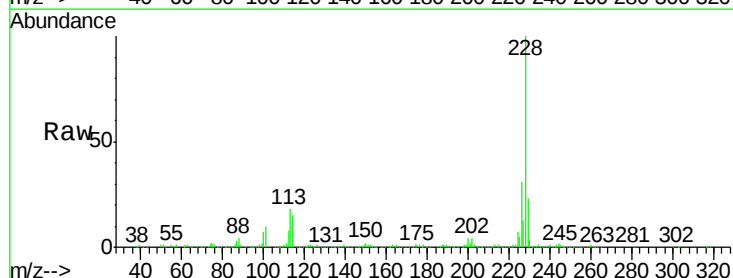
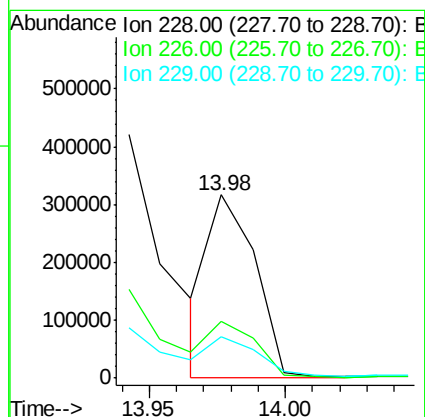
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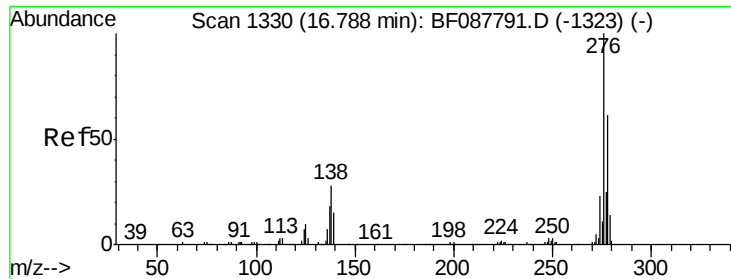
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#82
Chrysene
Concen: 31.04 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	22.6	16.3	24.5





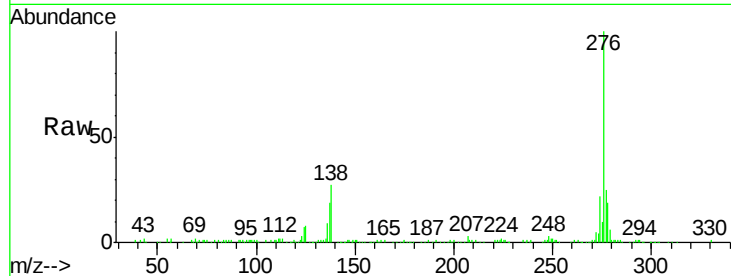
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.61 ng
RT: 16.72 min Scan# 1324
Delta R.T. -0.07 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

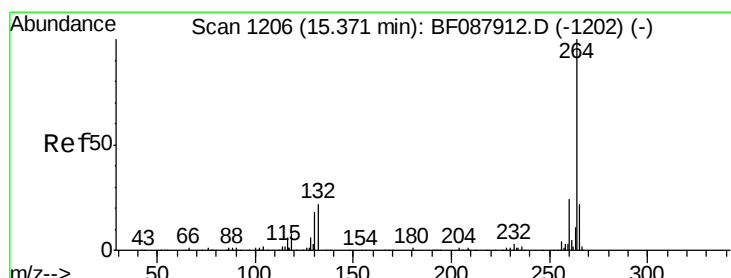
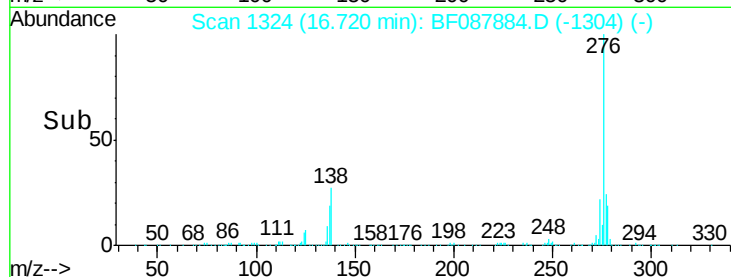
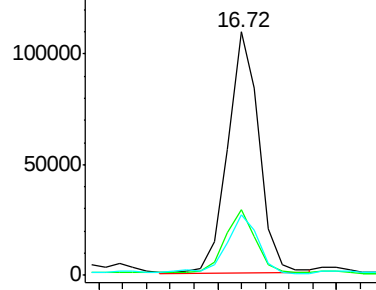
Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.5	0.0	0.0#
277	25.6	0.0	0.0#

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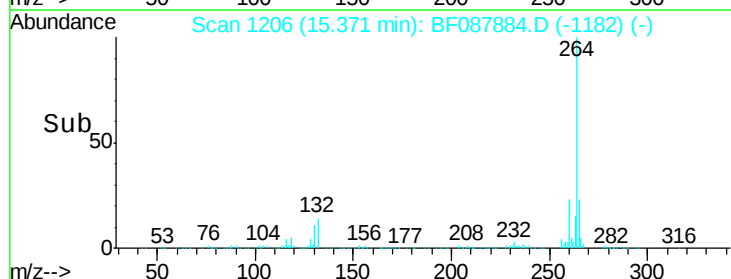
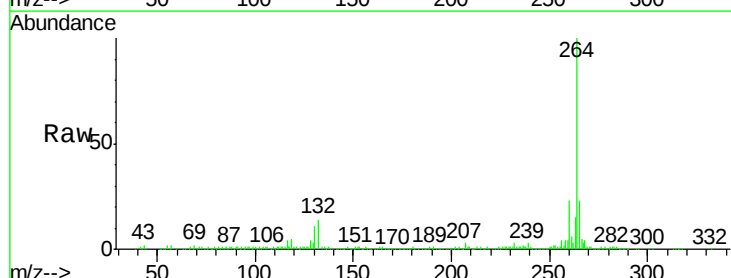
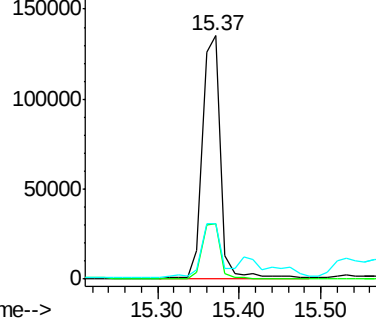
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

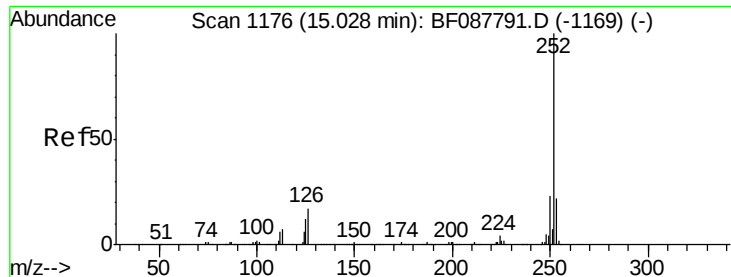


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

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

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





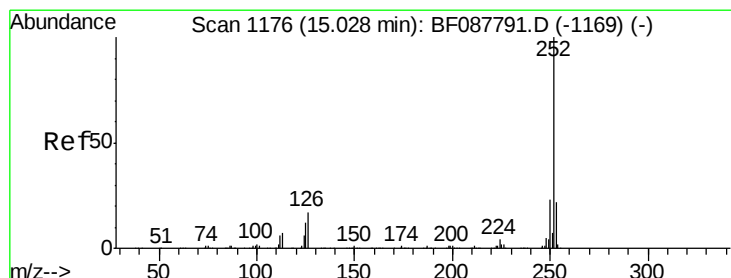
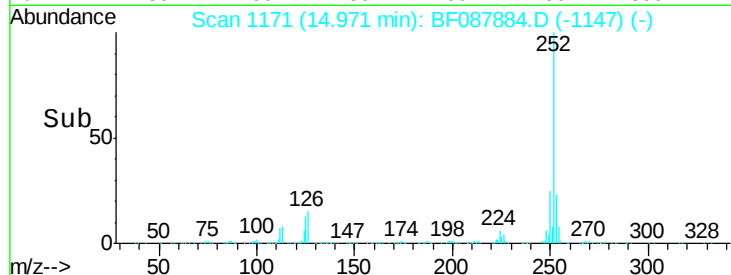
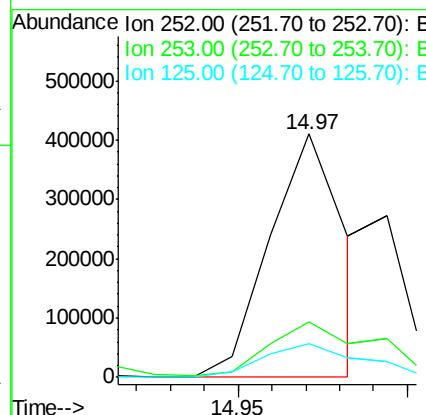
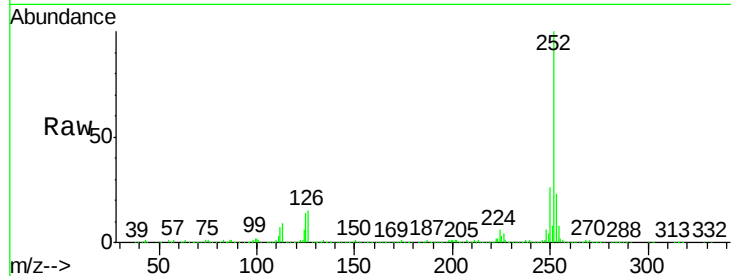
#87
Benzo(b)fluoranthene
Concen: 42.82 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	13.6	7.1	10.7

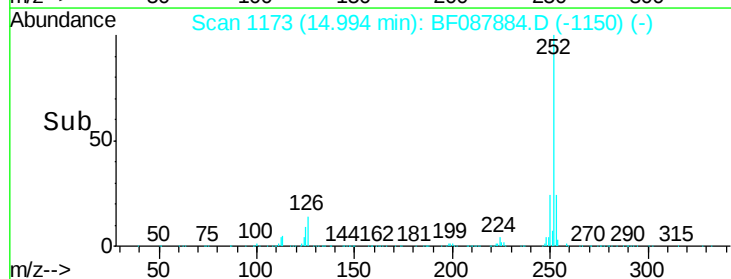
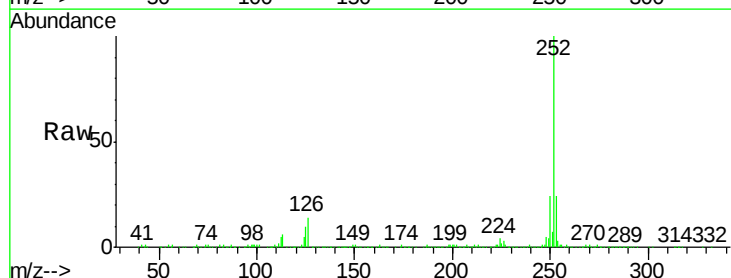
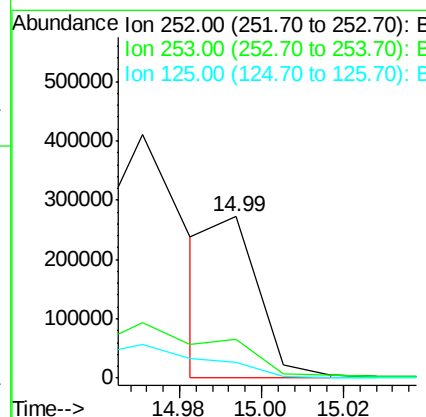
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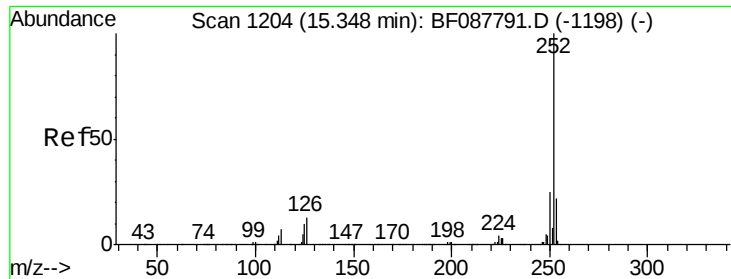
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#88
Benzo(k)fluoranthene
Concen: 18.47 ng m
RT: 14.99 min Scan# 1173
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	9.7	11.2	16.8





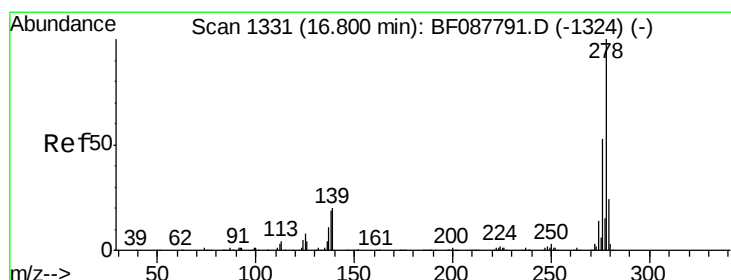
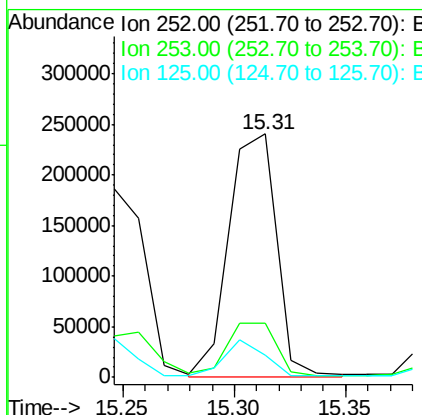
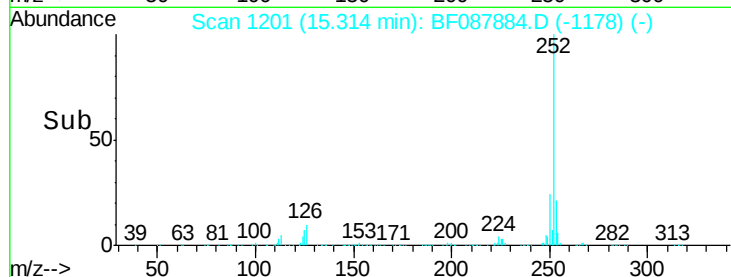
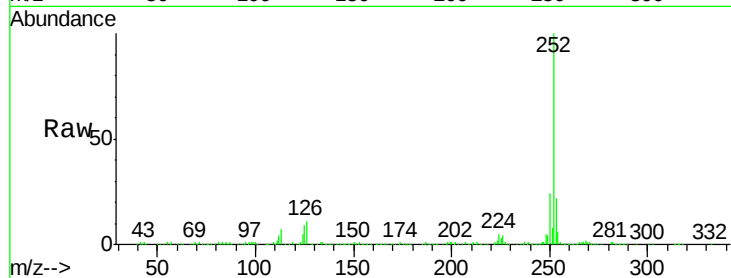
#89
Benzo(a)pyrene
Concen: 29.96 ng/mL
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Instrument :
BNA_F
ClientSampleId :
STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	9.0	12.5	18.7

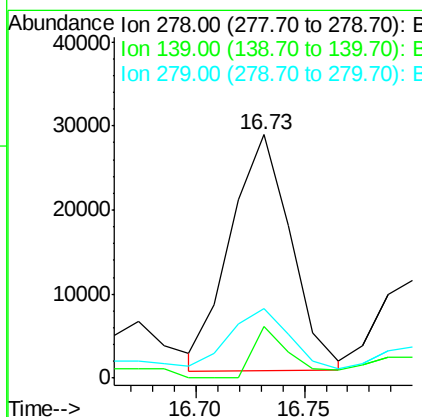
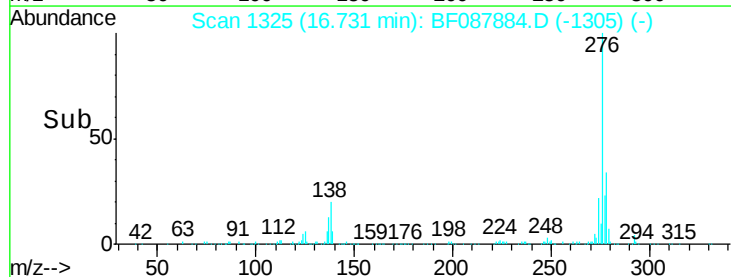
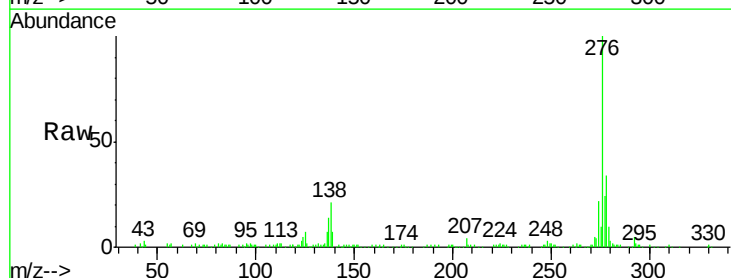
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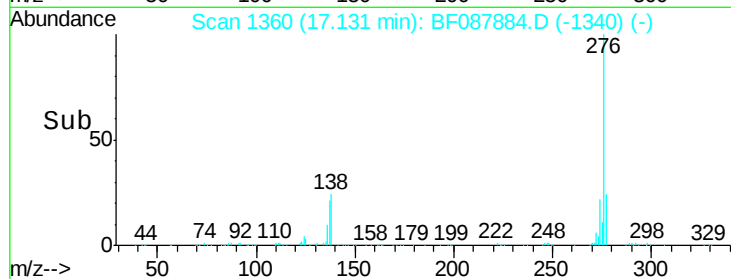
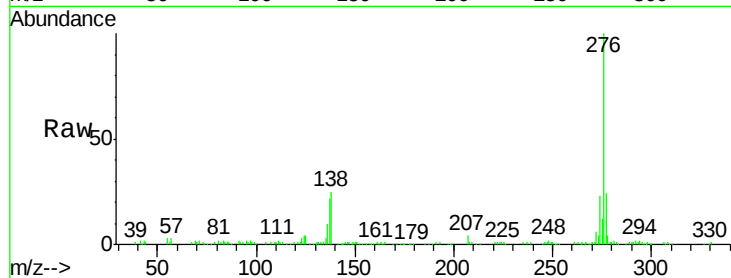
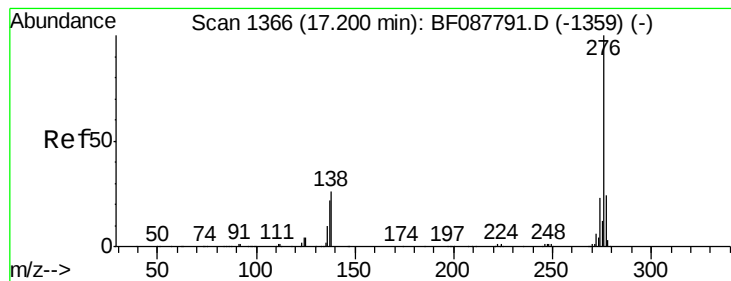
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#90
Dibenzo(a,h)anthracene
Concen: 4.89 ng/mL
RT: 16.73 min Scan# 1325
Delta R.T. -0.07 min
Lab File: BF087884.D
Acq: 10 Jun 2016 19:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	15.7	23.5
279	28.5	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 14.60 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. -0.07 min
 Lab File: BF087884.D
 Acq: 10 Jun 2016 19:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-932-PLATFORM(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.9	28.3
138	24.7	21.4	32.2

Manual Integrations
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