

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
 Data File : BF087998.D
 Acq On : 14 Jun 2016 9:44
 Operator : UM/SJ
 Sample : H3395-10DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)DL

Manual Integrations
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Quant Time: Jun 14 19:32:50 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	6.80	152	128536	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	479992	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	224260	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	332913	20.00	ng	0.01
75) Chrysene-d12	13.95	240	219712	20.00	ng	0.00
86) Perylene-d12	15.37	264	226119	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	287714	38.27	ng	0.00
7) Phenol-d6	6.43	99	402948	44.22	ng	0.00
23) Nitrobenzene-d5	7.36	82	230340	28.02	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	62225	26.28	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	365579	21.47	ng	0.00
78) Terphenyl-d14	12.90	244	197426	20.45	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	199079	8.62	ng	98
49) Dimethylphthalate	9.55	163	46942	2.89	ng	99
70) Phenanthrene	11.35	178	173680	9.94	ng	97
71) Anthracene	11.39	178	169413	9.61	ng	98
72) Carbazole	11.55	167	47286	2.87	ng	97
74) Fluoranthene	12.54	202	809546	43.91	ng	97
77) Pyrene	12.76	202	777142	47.67	ng	100
80) Benzo(a)anthracene	13.94	228	519225	41.47	ng	# 86
82) Chrysene	13.99	228	397364m	33.73	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	215773	19.72	ng	# 100
87) Benzo(b)fluoranthene	14.97	252	590573m	37.47	ng	
88) Benzo(k)fluoranthene	14.98	252	276201m	23.23	ng	
89) Benzo(a)pyrene	15.31	252	352553	27.65	ng	97
90) Dibenzo(a,h)anthracene	16.74	278	64962	5.49	ng	93
91) Benzo(a,h,i)perylene	17.14	276	180584	14.82	ng	99

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

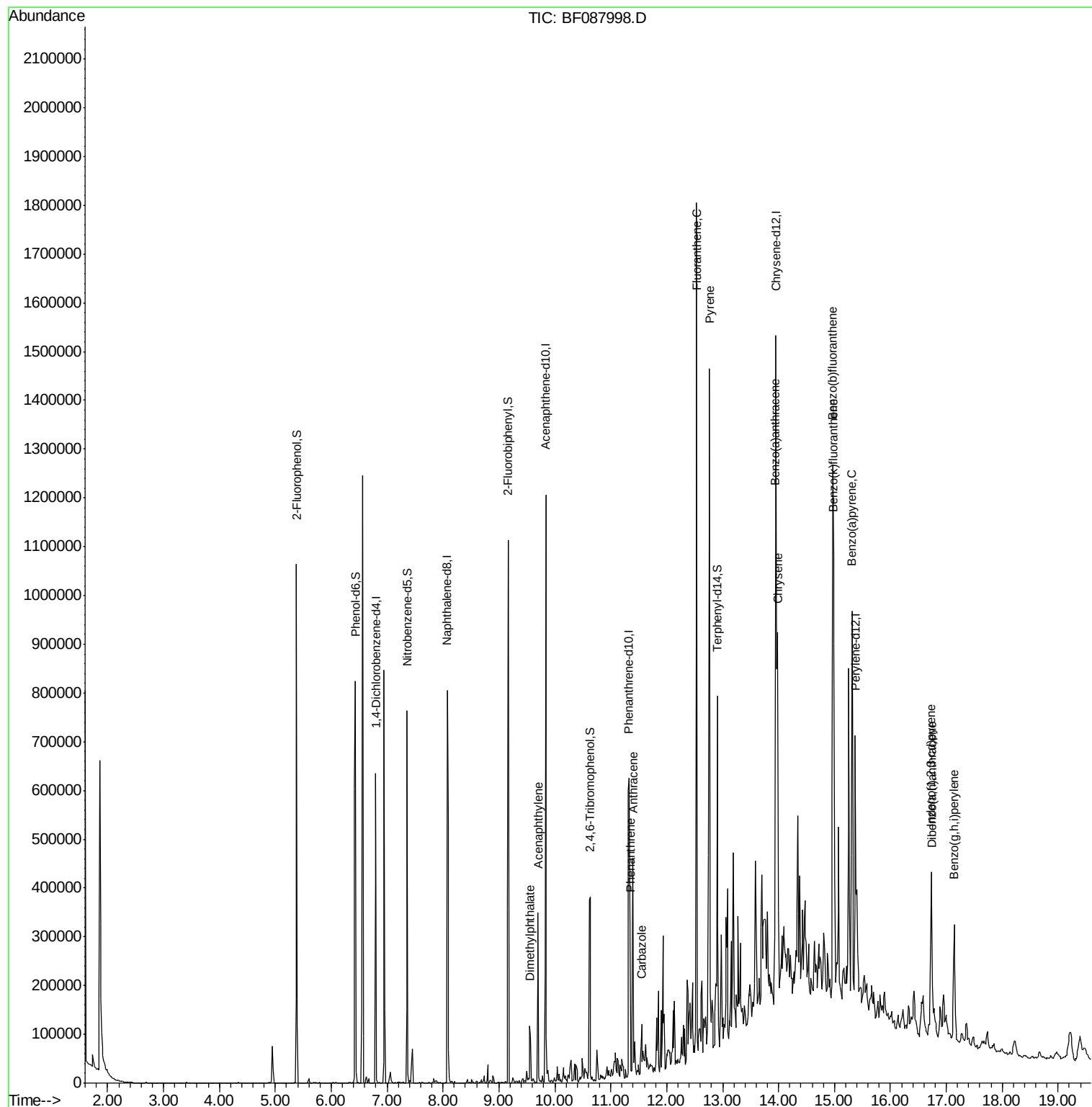
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087998.D
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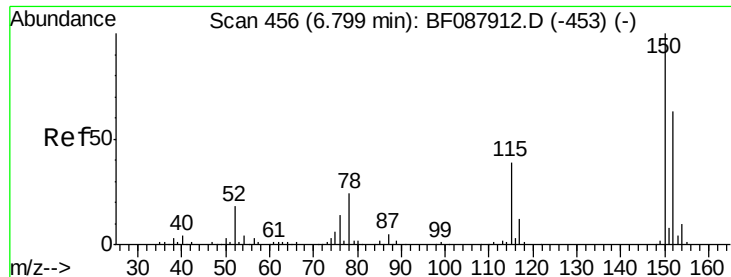
Instrument :
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STA-942-PLATFORM(0-4)DL

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#1

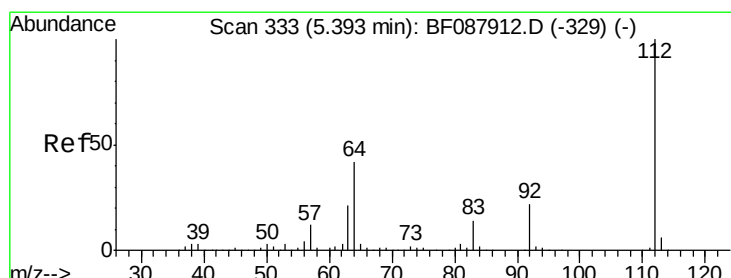
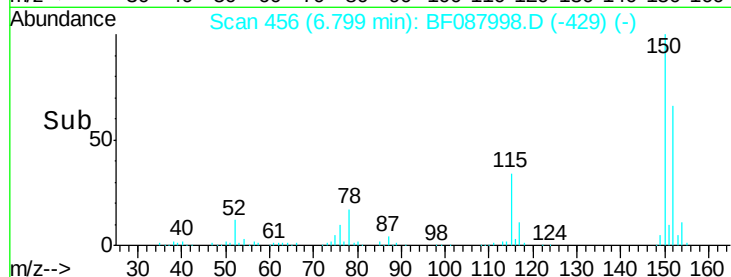
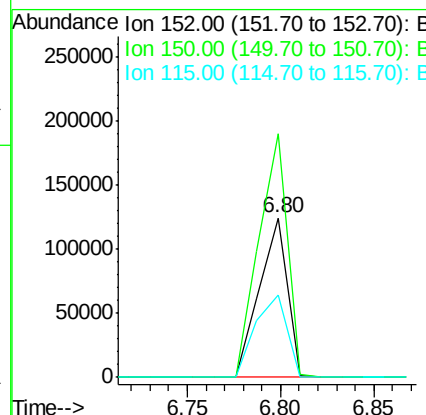
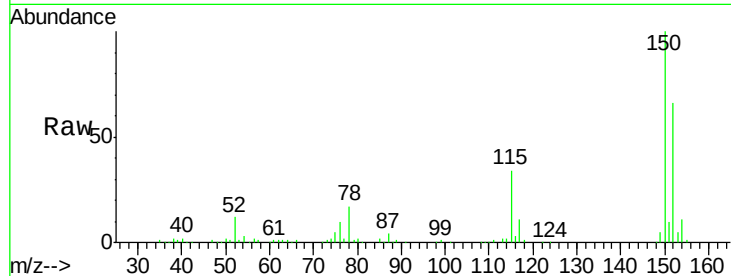
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	128536		
150	152.6	123.8	185.6	
115	51.3	39.6	59.4	

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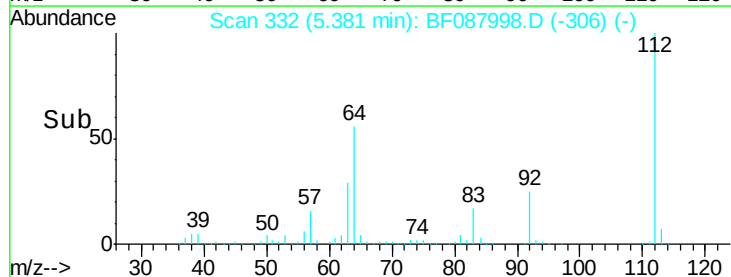
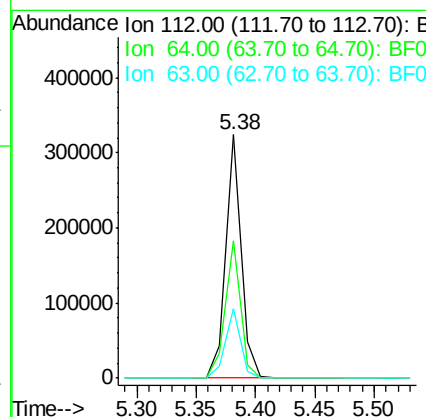
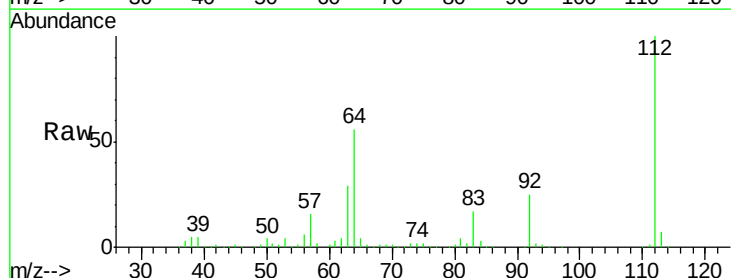
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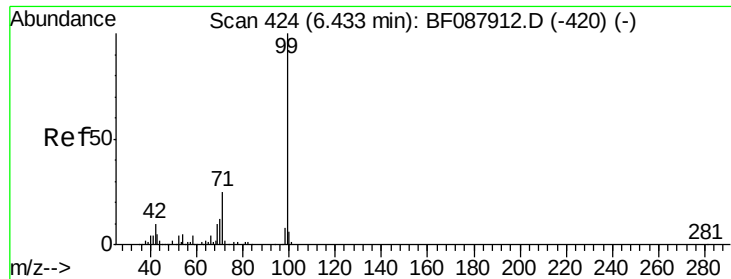


#5

2-Fluorophenol
Concen: 38.27 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	287714		
64	56.4	42.2	63.2	
63	28.7	21.8	32.8	





#7

Phenol-d6

Concen: 44.22 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Instrument :

BNA_F

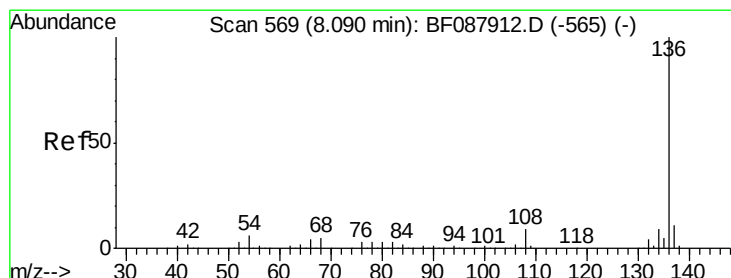
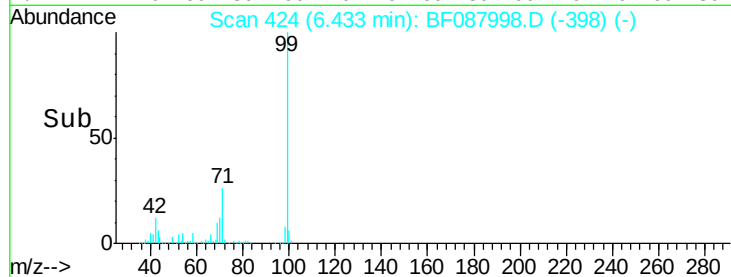
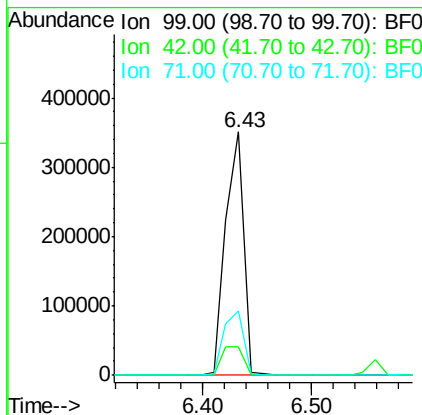
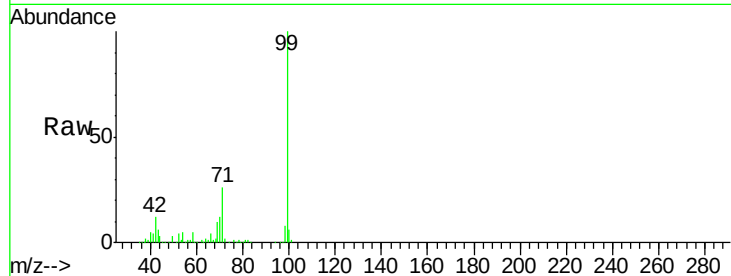
ClientSampleId :

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Tot Ion:	99	Resp:	402948
Ion Ratio	Lower	Upper	
99	100		
42	11.6	12.2	18.2#
71	26.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

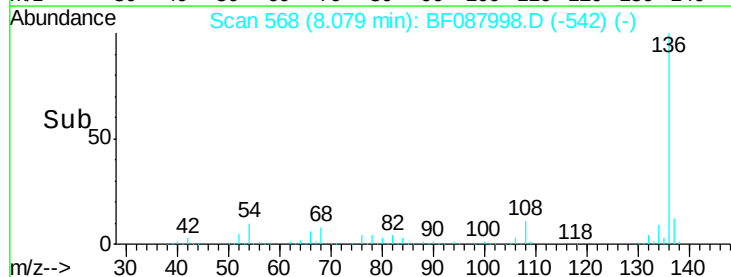
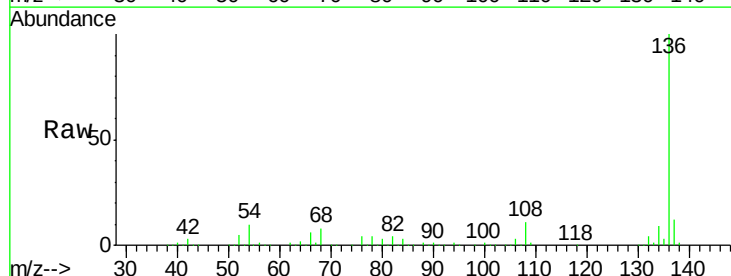
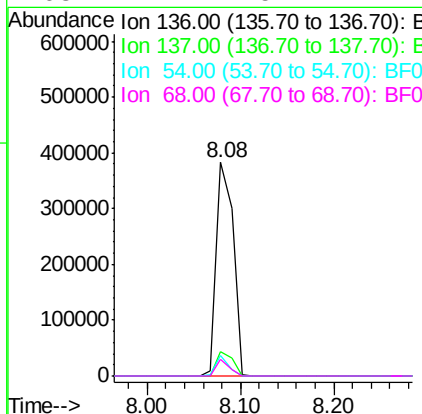
RT: 8.08 min Scan# 568

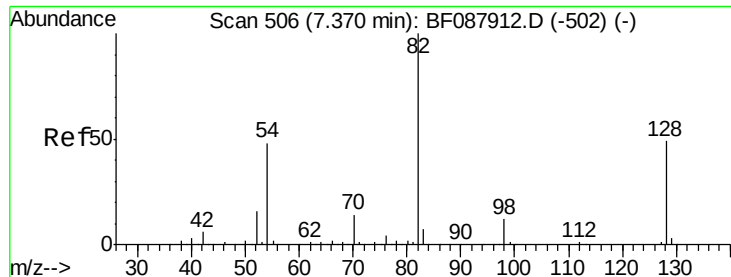
Delta R.T. -0.00 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Tgt Ion:	136	Resp:	479992
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	9.7	6.6	10.0
68	7.7	5.1	7.7





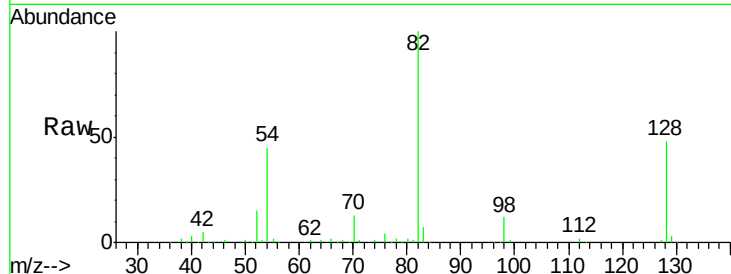
#23
Nitrobenzene-d5
Concen: 28.02 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

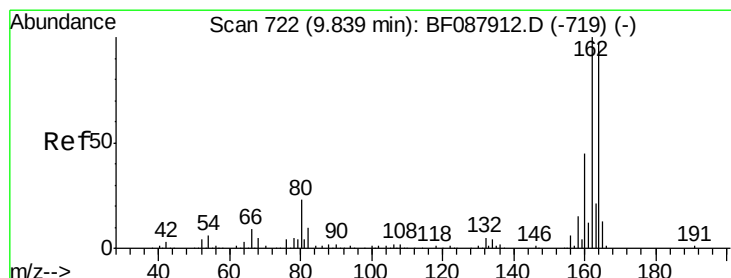
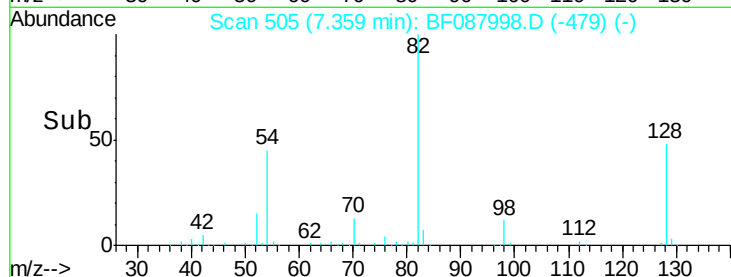
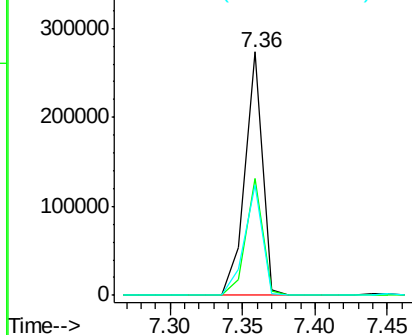
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	35.9	53.9
54	45.4	40.9	61.3

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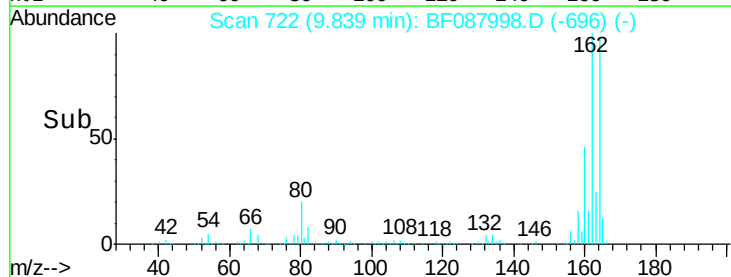
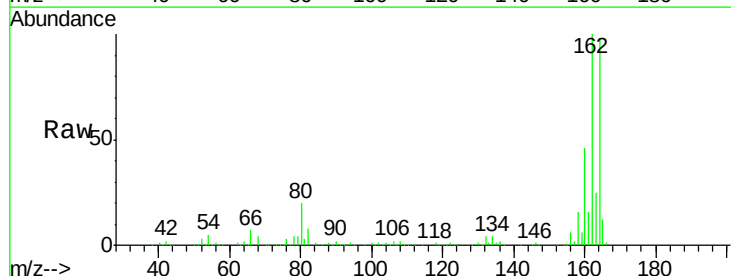
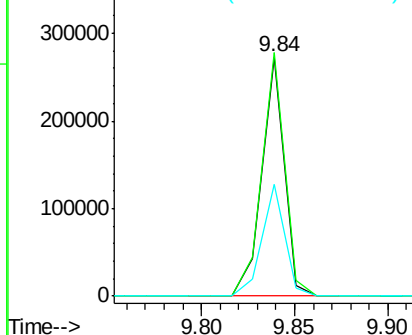
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

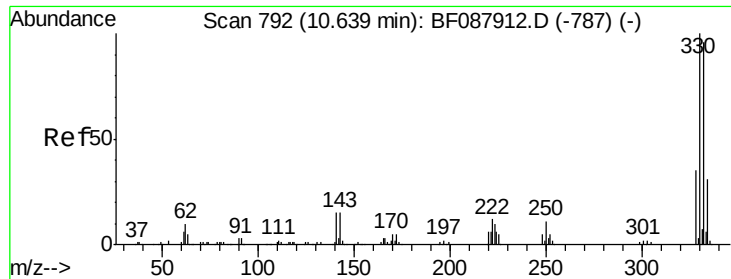


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	85.4	128.2
160	47.1	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





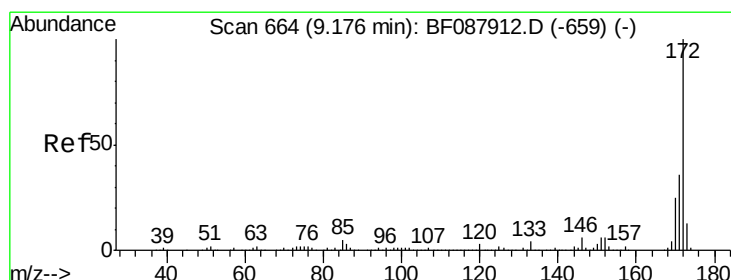
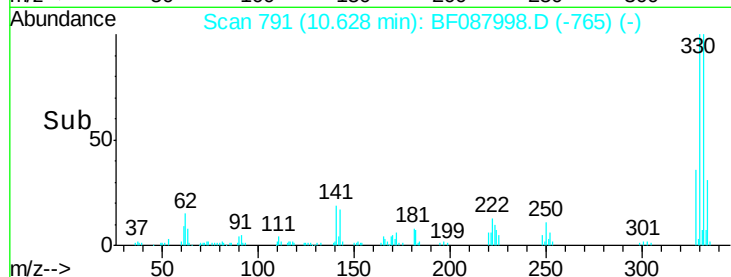
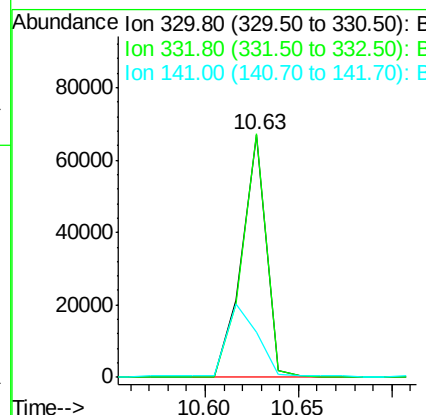
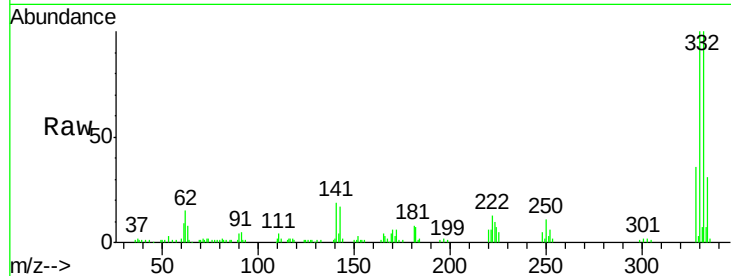
#41
 2,4,6-Tribromophenol
 Concen: 26.28 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF087998.D
 Acq: 14 Jun 2016 9:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	99.1	0.0	0.0#
141	40.3	0.0	0.0#

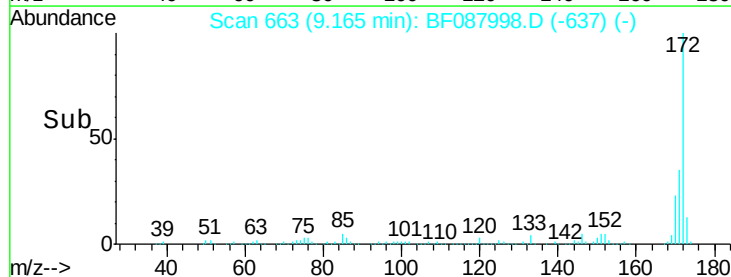
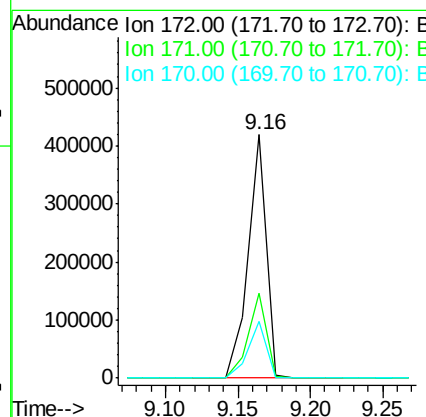
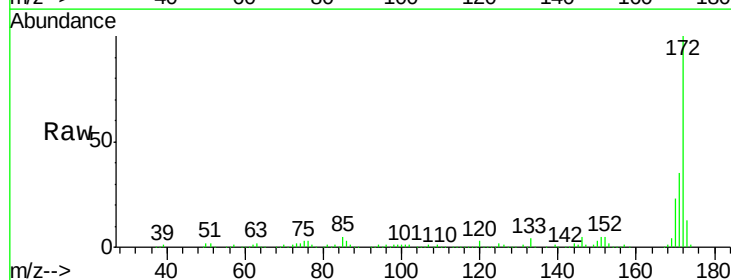
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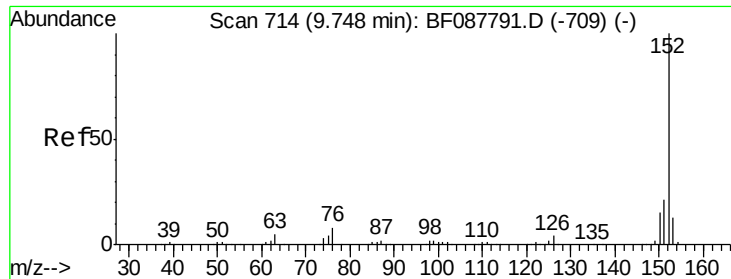
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#44
 2-Fluorobiphenyl
 Concen: 21.47 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF087998.D
 Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.8	28.6	43.0
170	23.1	19.2	28.8





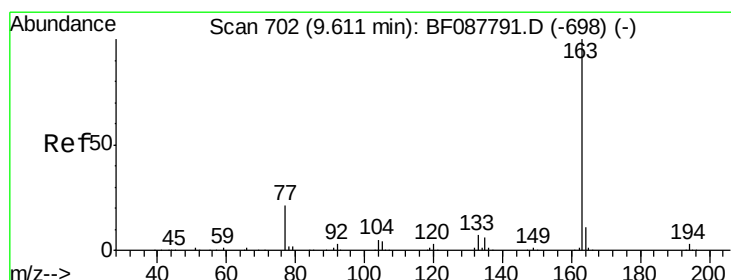
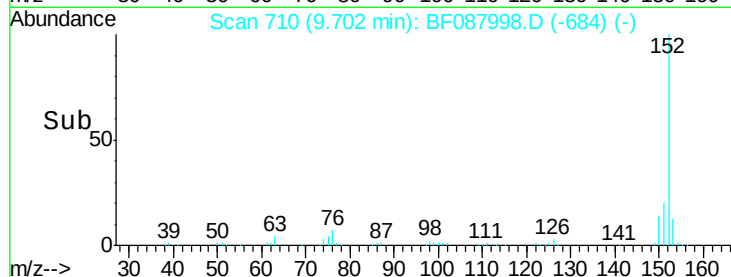
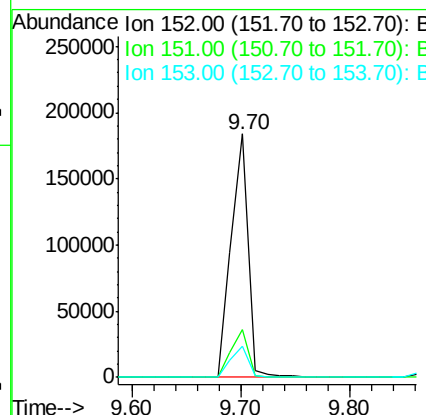
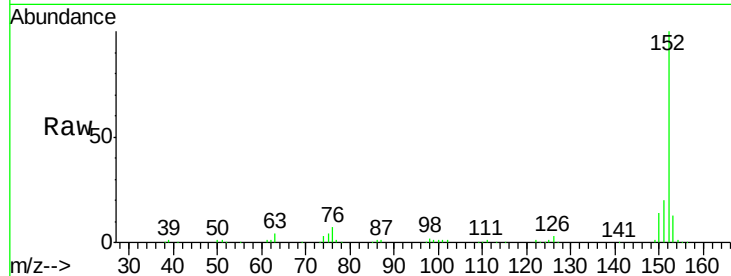
#48
Acenaphthylene
Concen: 8.62 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		199079		
151	19.5	16.2	24.4		
153	12.8	11.0	16.6		

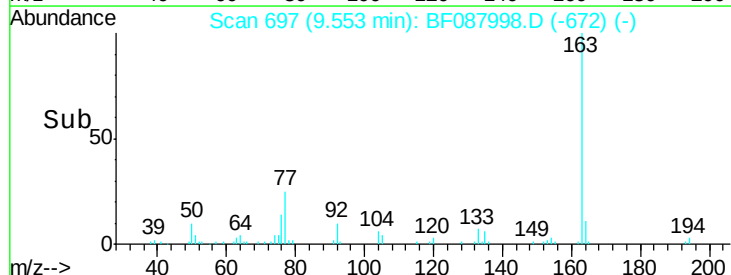
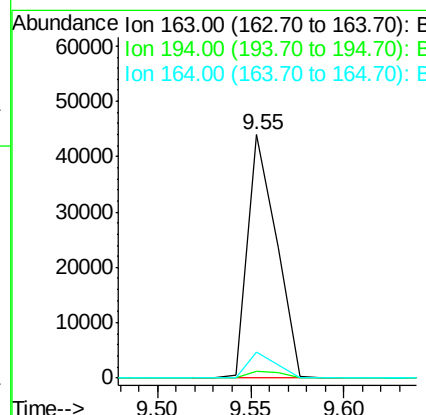
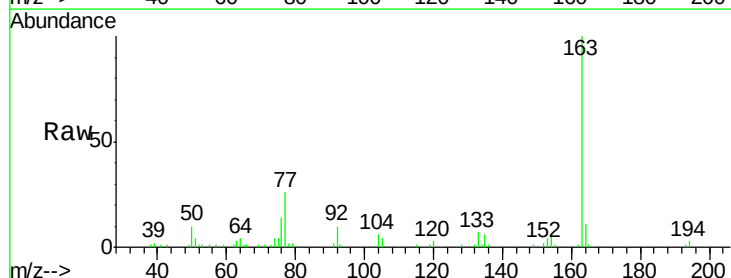
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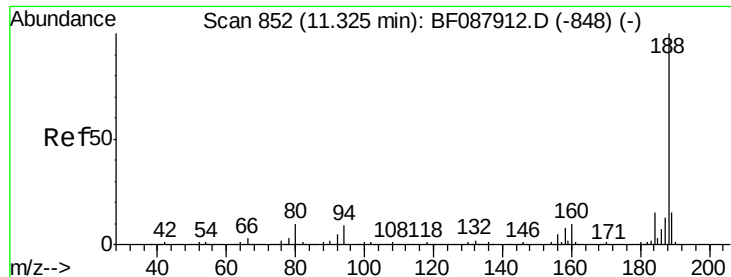
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#49
Dimethylphthalate
Concen: 2.89 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		46942		
194	3.0	2.8	4.2		
164	10.6	8.3	12.5		





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Instrument :

BNA_F

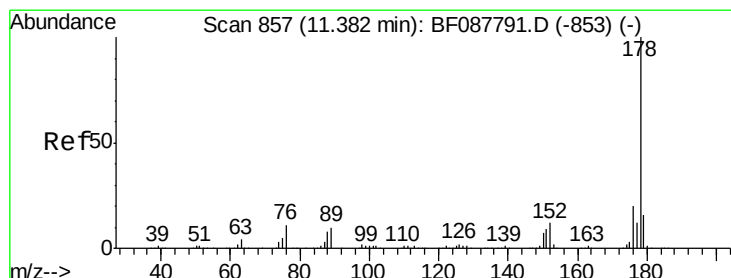
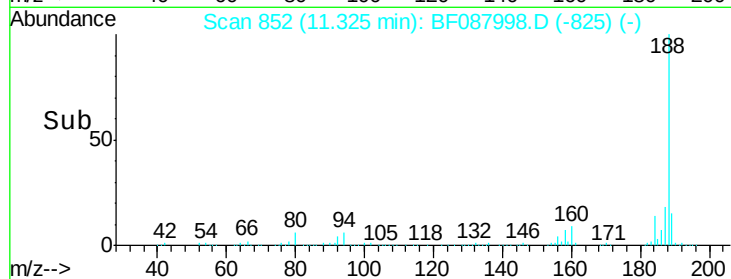
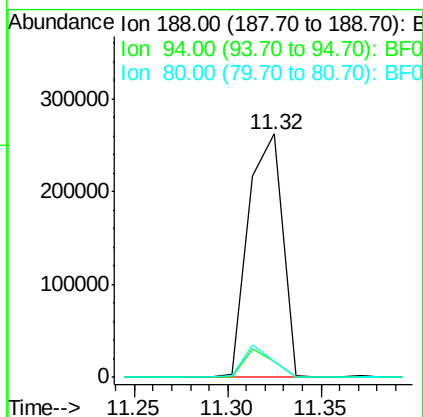
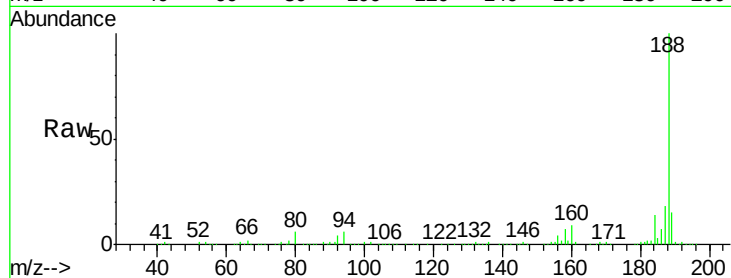
ClientSampleId :

STA-942-PLATFORM(0-4)DL

Tot Ion:	188	Resp:	332913
Ion Ratio	Lower	Upper	
188	100		
94	6.3	9.0	13.6#
80	6.5	10.0	15.0#

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#70

Phenanthrene

Concen: 9.94 ng

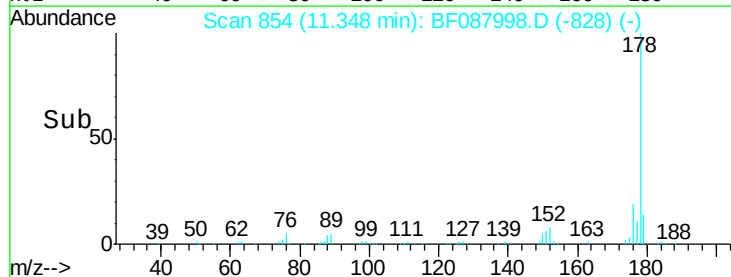
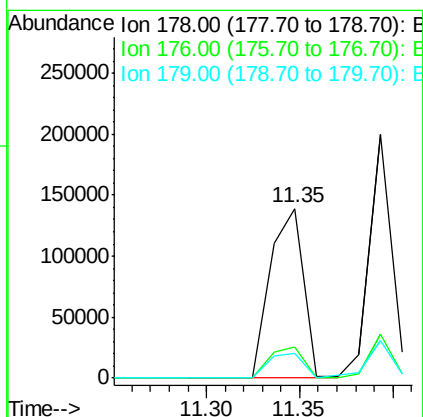
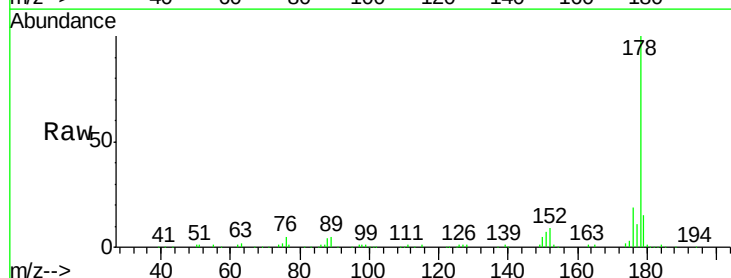
RT: 11.35 min Scan# 854

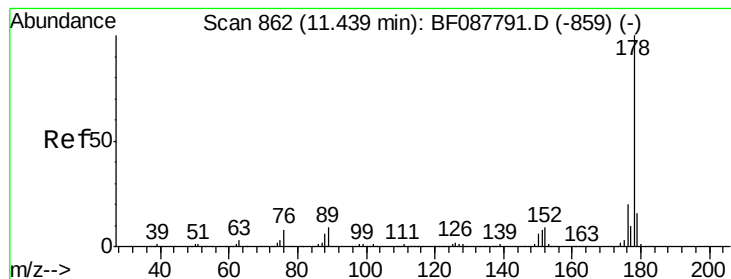
Delta R.T. -0.00 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Tgt Ion:	178	Resp:	173680
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.6
179	14.8	13.0	19.4





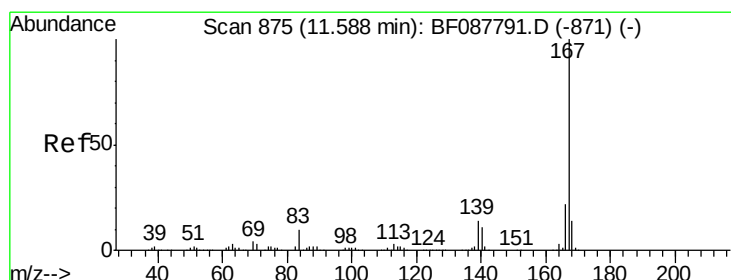
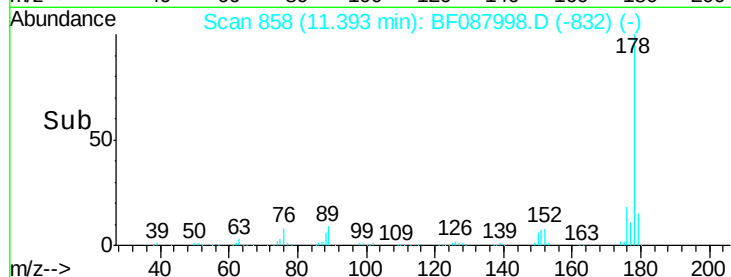
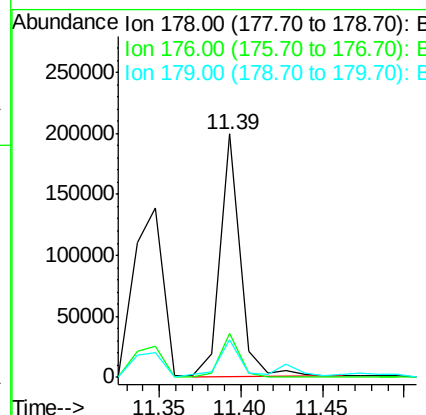
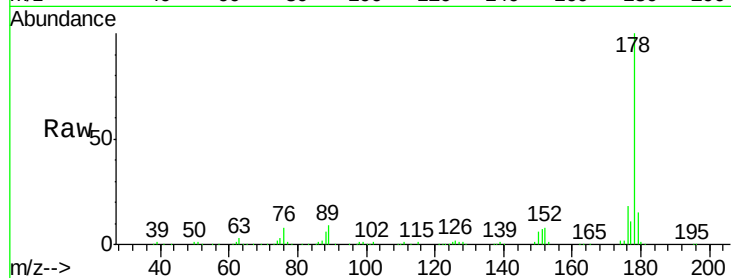
#71
 Anthracene
 Concen: 9.61 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: BF087998.D
 Acq: 14 Jun 2016 9:44

Instrument :
 BNA_F
 ClientSampleId :
 STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.4	12.8	19.2

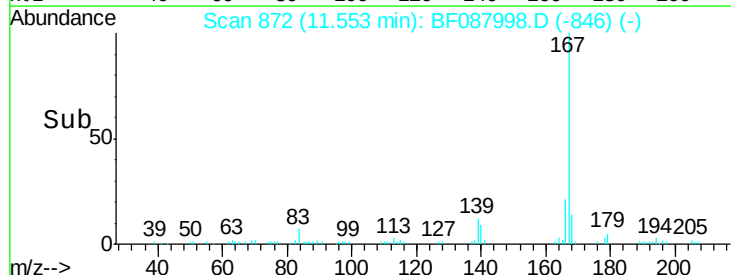
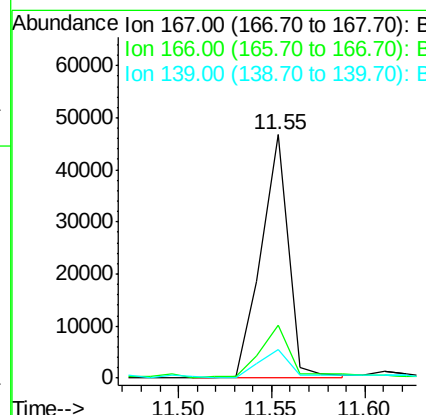
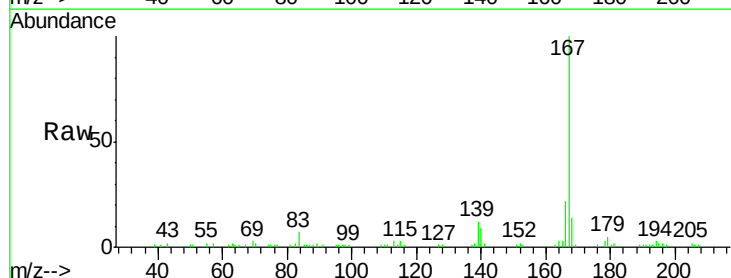
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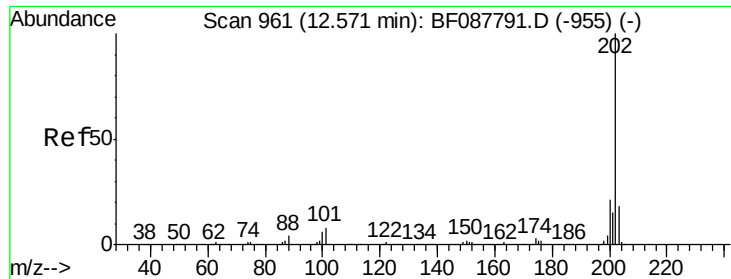
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#72
 Carbazole
 Concen: 2.87 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF087998.D
 Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.6
139	12.0	11.2	16.8





#74

Fluoranthene

Concen: 43.91 ng

RT: 12.54 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Instrument :

BNA_F

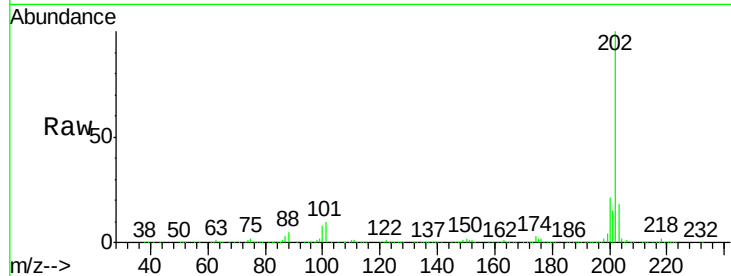
ClientSampleId :

STA-942-PLATFORM(0-4)DL

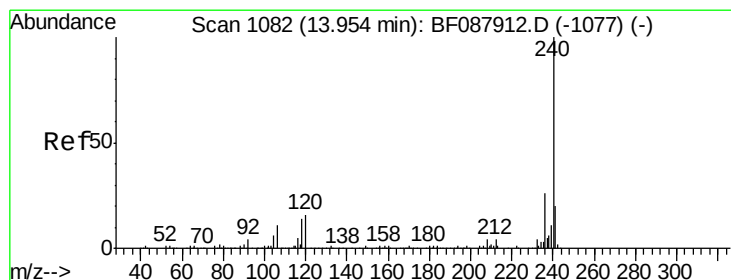
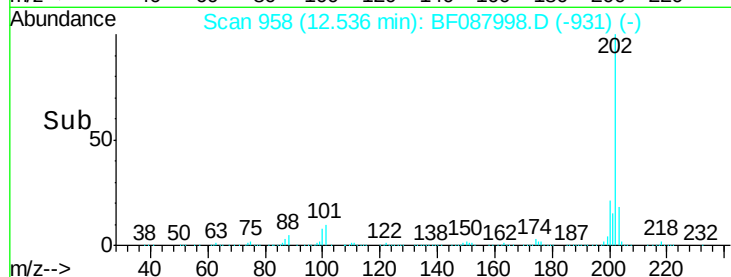
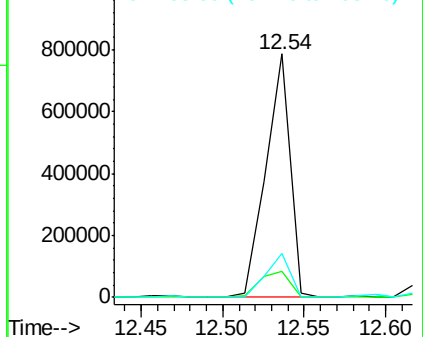
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	0.0	33.1
203	18.0	0.0	38.1

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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: 13.95 min Scan# 1082

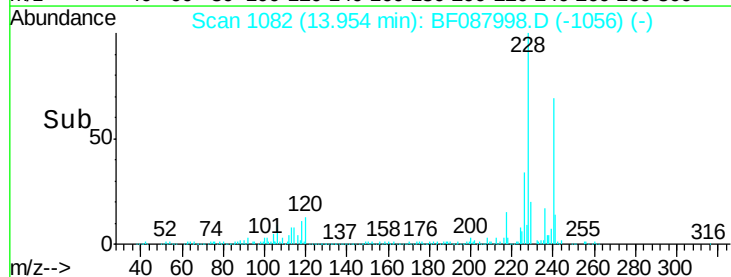
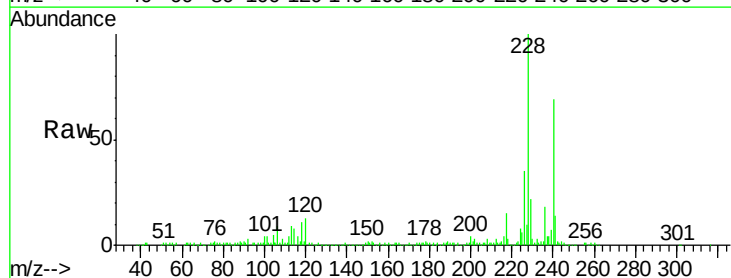
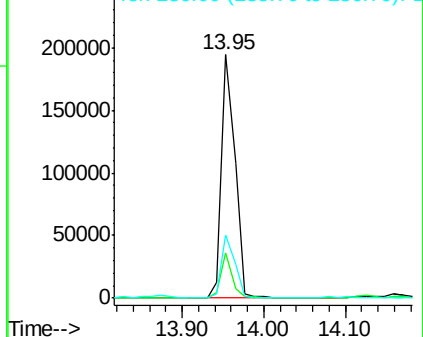
Delta R.T. -0.00 min

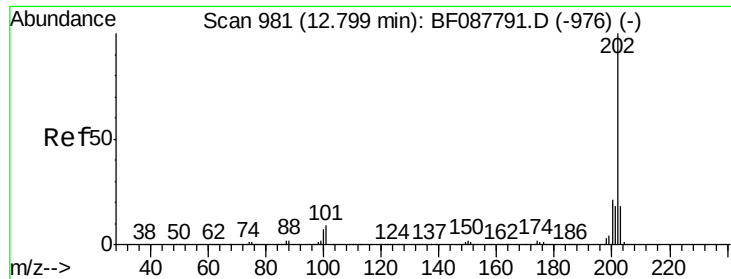
Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	18.7	6.8	10.2#
236	25.7	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: 47.67 ng

RT: 12.76 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Instrument :

BNA_F

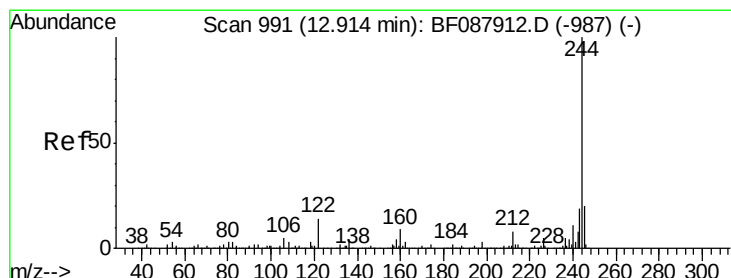
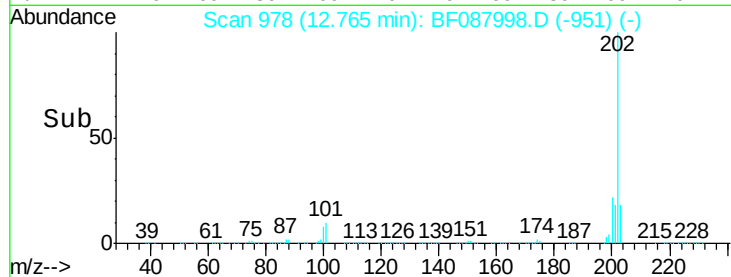
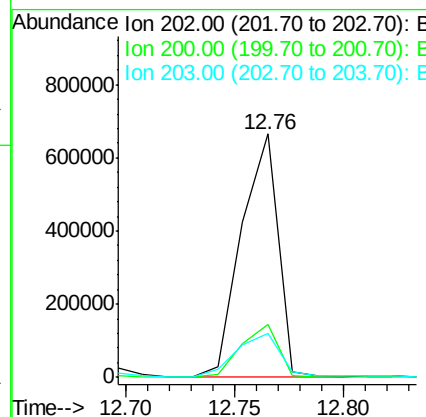
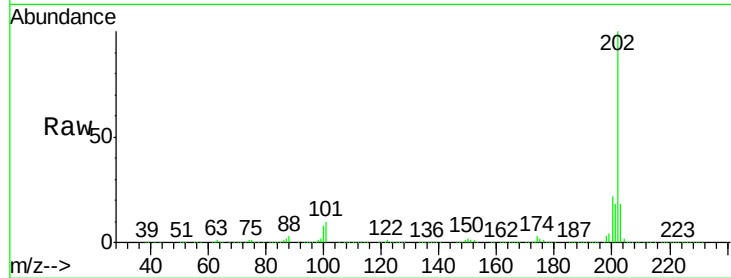
ClientSampleId :

STA-942-PLATFORM(0-4)DL

Tot Ion:	202	Resp:	777142
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.5	21.7

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#78

Terphenyl-d14

Concen: 20.45 ng

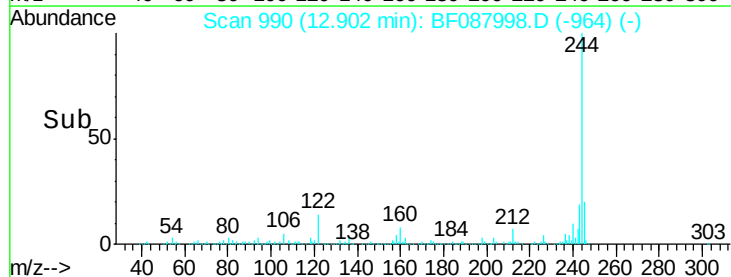
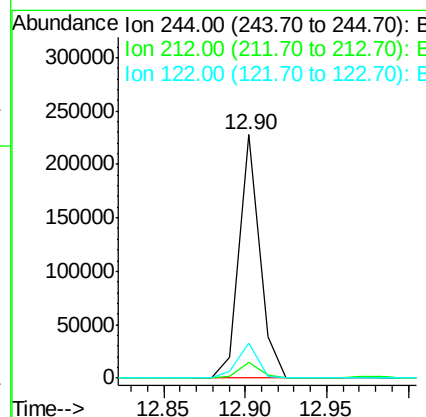
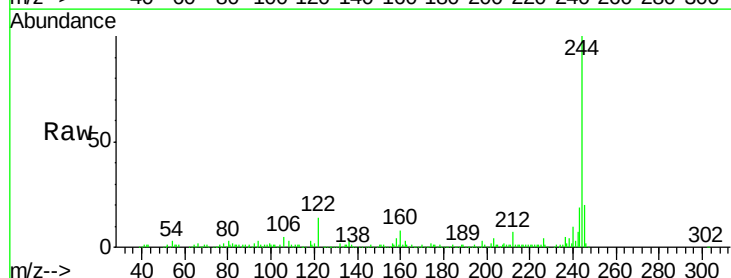
RT: 12.90 min Scan# 990

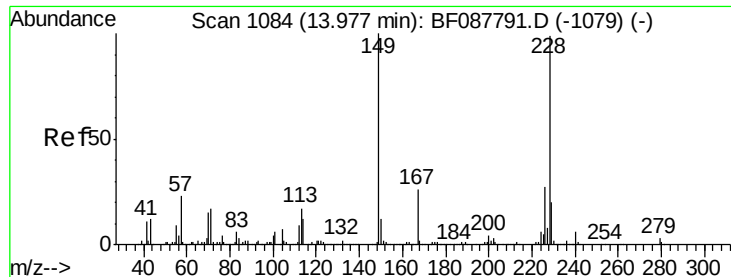
Delta R.T. -0.00 min

Lab File: BF087998.D

Acq: 14 Jun 2016 9:44

Tgt Ion:	244	Resp:	197426
Ion Ratio		Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.3	11.2	16.8





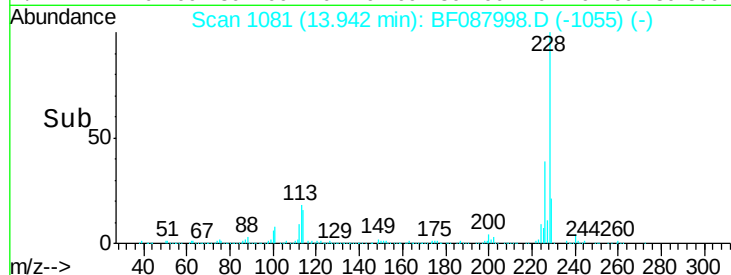
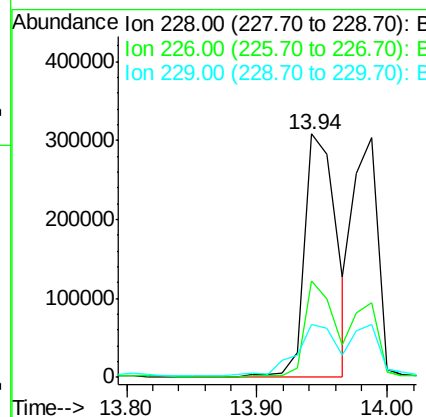
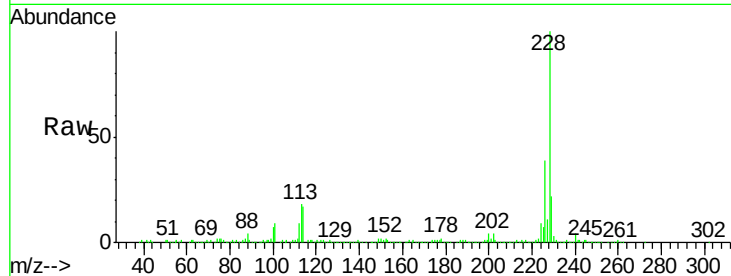
#80
Benzo(a)anthracene
Concen: 41.47 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.4	22.3	33.5#
229	21.6	16.0	24.0

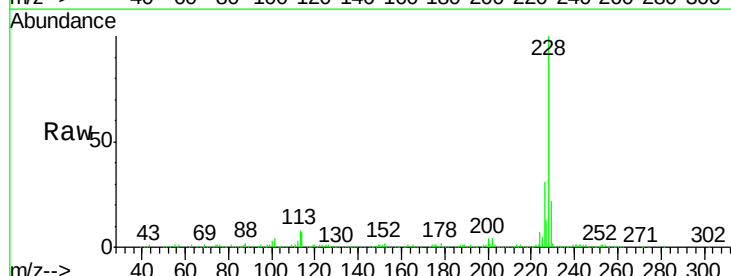
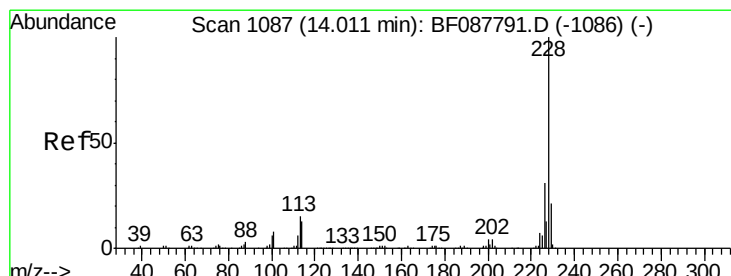
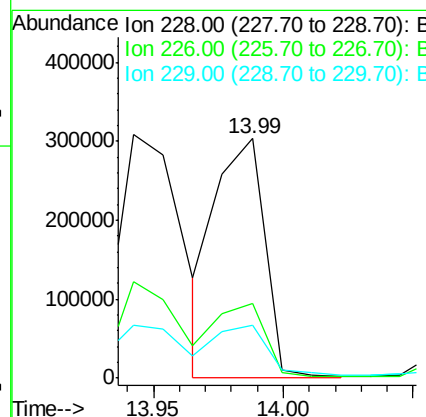
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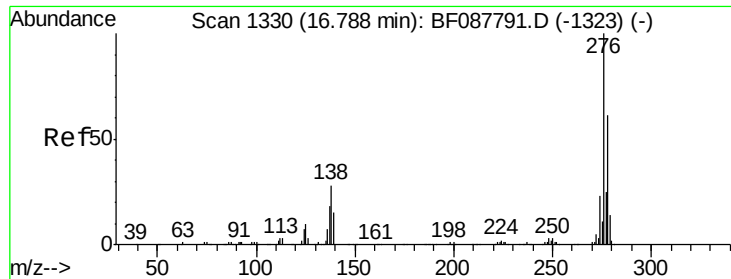
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#82
Chrysene
Concen: 33.73 ng m
RT: 13.99 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.2
229	22.1	16.3	24.5





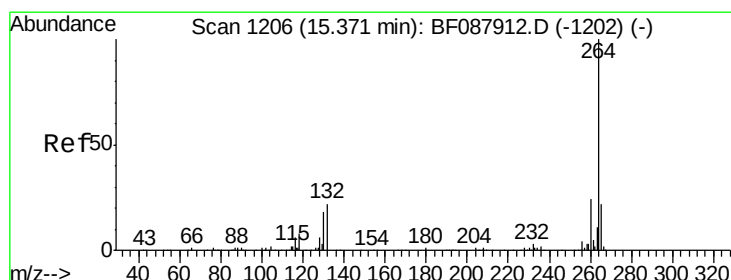
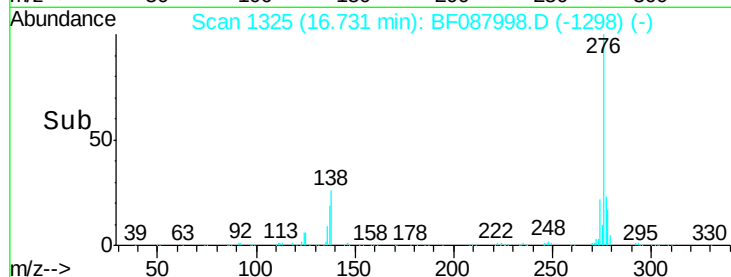
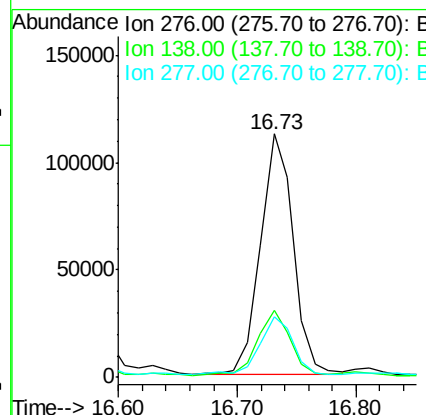
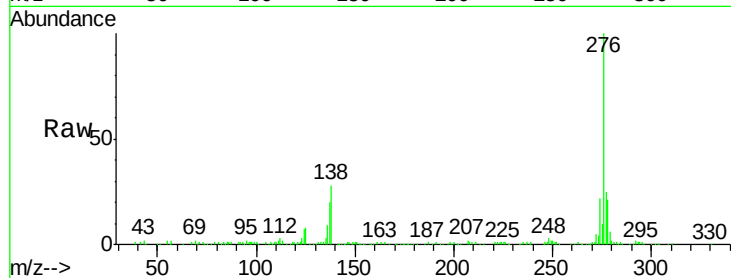
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.72 ng
RT: 16.73 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.5	0.0	0.0#
277	24.3	0.0	0.0#

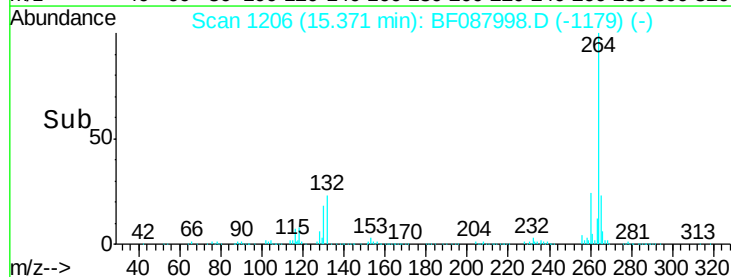
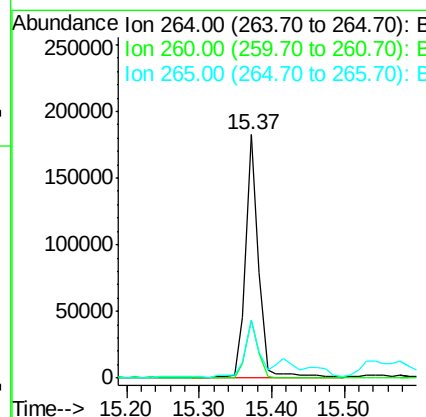
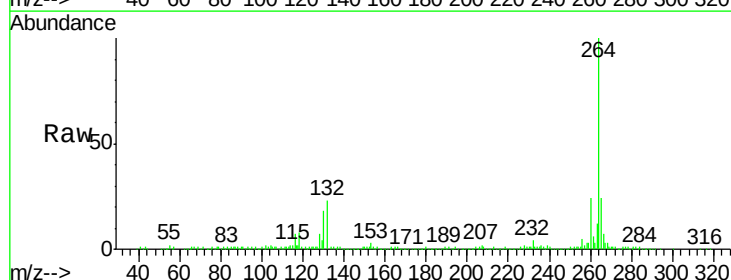
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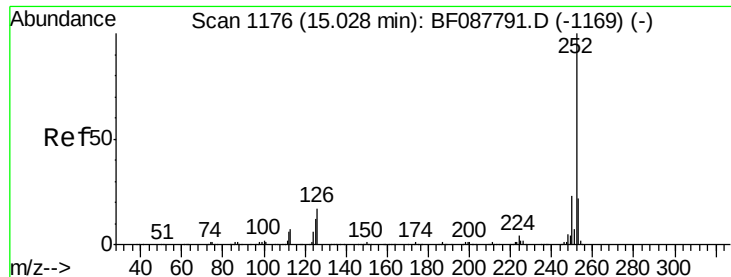
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.9	16.9	25.3





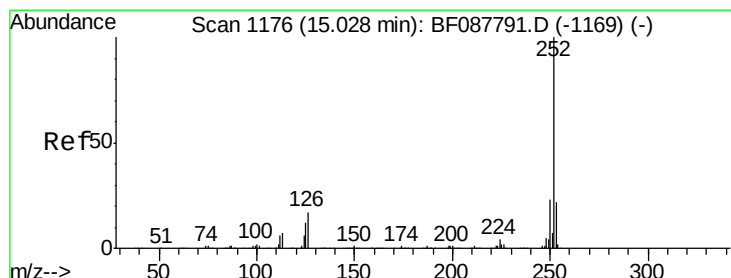
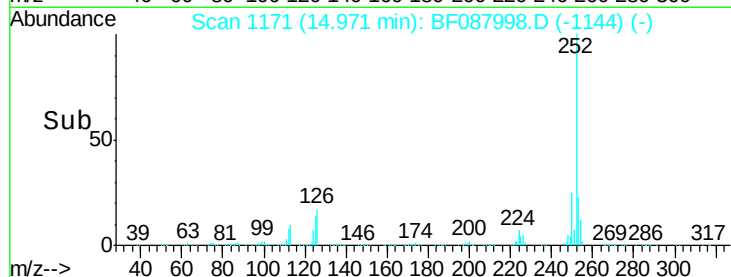
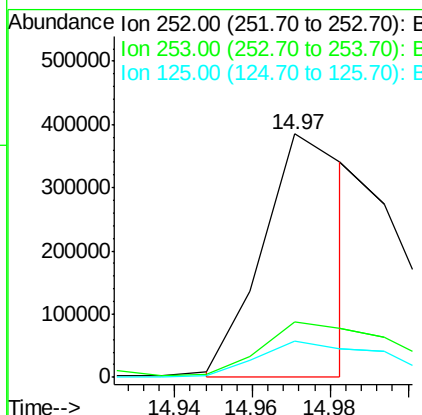
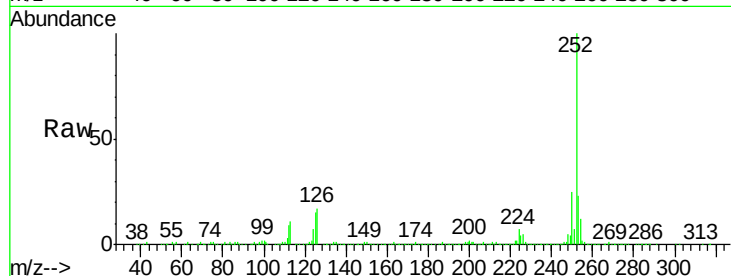
#87
Benzo(b)fluoranthene
Concen: 37.47 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	14.8	7.1	10.7

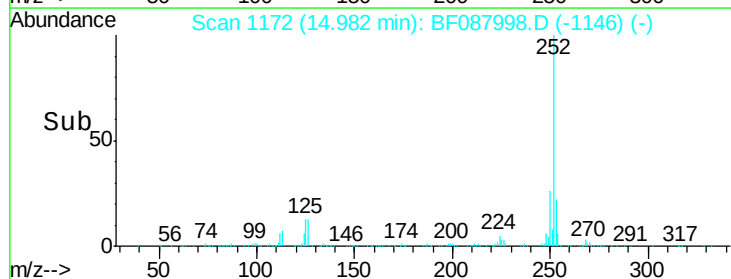
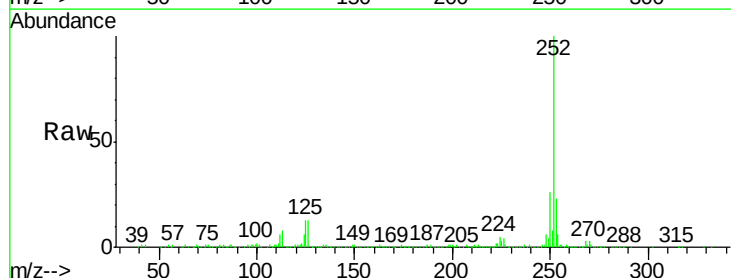
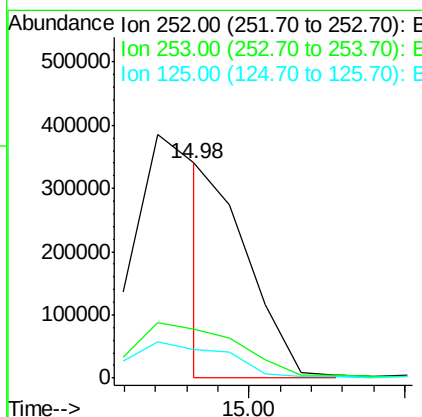
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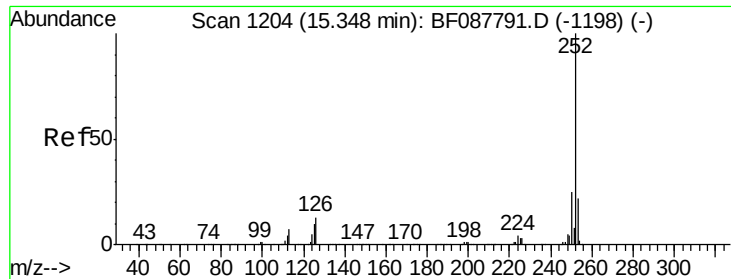
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#88
Benzo(k)fluoranthene
Concen: 23.23 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	13.4	11.2	16.8





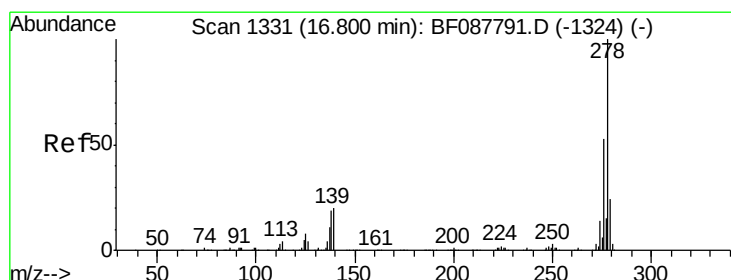
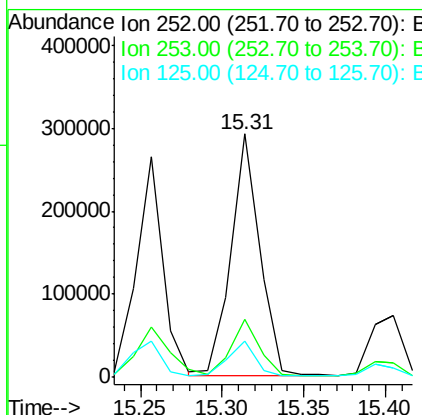
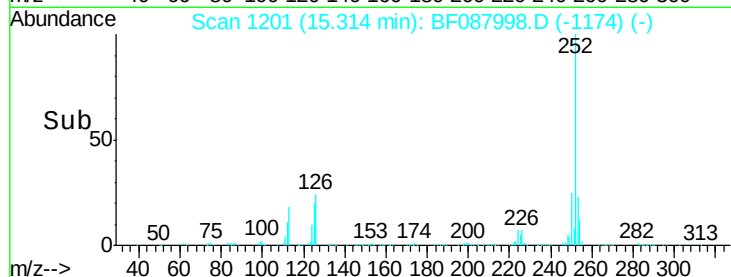
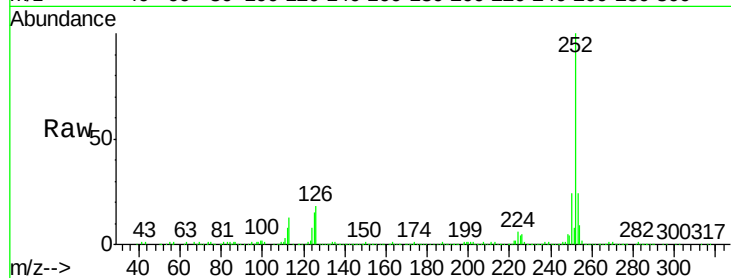
#89
Benzo(a)pyrene
Concen: 27.65 ng
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.7	12.5	18.7

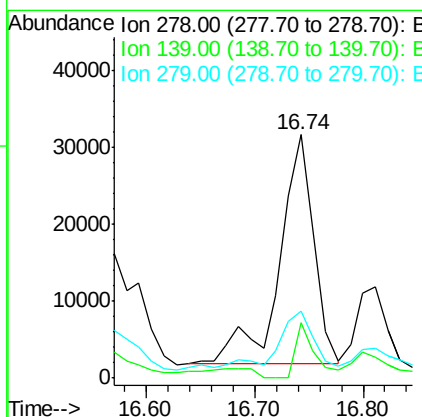
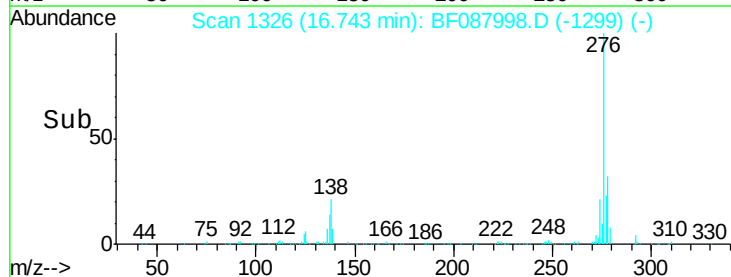
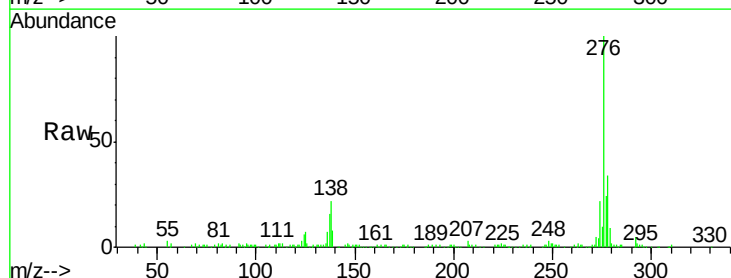
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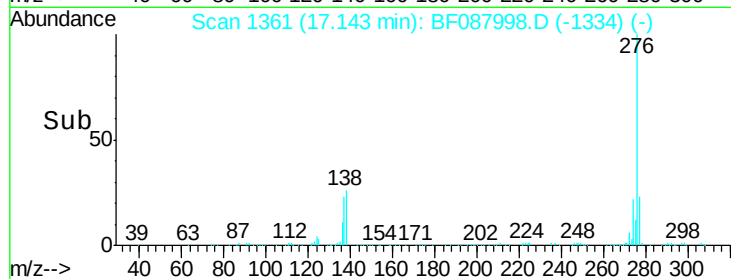
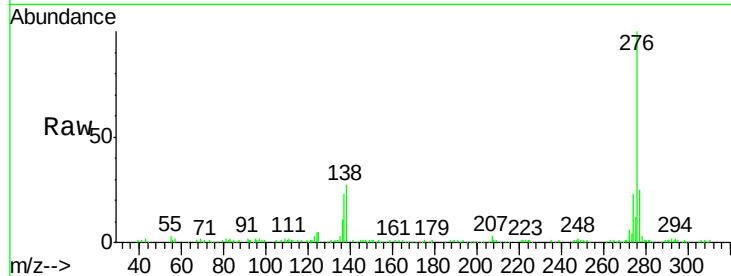
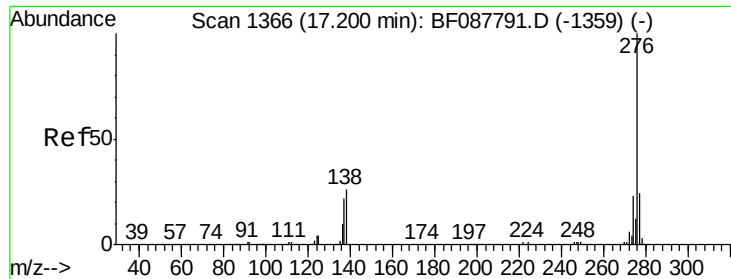
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#90
Dibenzo(a,h)anthracene
Concen: 5.49 ng
RT: 16.74 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	22.6	15.7	23.5
279	27.6	19.4	29.2





#91
Benzo(a,h,i)perylene
Concen: 14.82 ng
RT: 17.14 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF087998.D
Acq: 14 Jun 2016 9:44

Instrument :
BNA_F
ClientSampleId :
STA-942-PLATFORM(0-4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.9	28.3
138	27.0	21.4	32.2

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