

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
 Data File : BF088001.D
 Acq On : 14 Jun 2016 11:10
 Operator : UM/SJ
 Sample : H3395-28DL 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

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

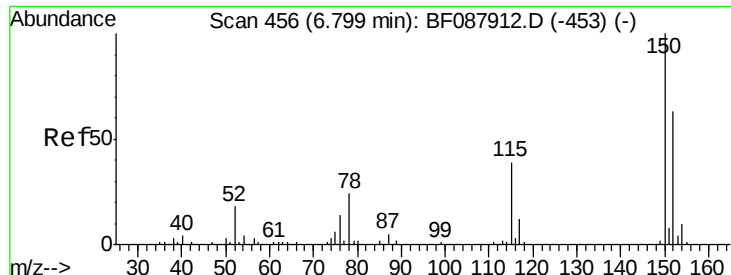
Manual Integrations
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Quant Time: Jun 14 14:36:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115068	20.00	ng	0.01
21) Naphthalene-d8	8.08	136	432350	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	198926	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	278870	20.00	ng	0.00
75) Chrysene-d12	13.95	240	229327	20.00	ng	0.00
86) Perylene-d12	15.37	264	214653	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	354975	52.74	ng	0.00
7) Phenol-d6	6.43	99	518476	63.56	ng	0.00
23) Nitrobenzene-d5	7.36	82	293280	39.61	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	83528	39.77	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	527164	38.61	ng	0.00
78) Terphenyl-d14	12.90	244	305138	30.28	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	49386	2.41	ng	99
49) Dimethylphthalate	9.55	163	54044	3.75	ng	100
51) Acenaphthene	9.87	154	28860	2.26	ng	96
70) Phenanthrene	11.35	178	507762	34.70	ng	98
71) Anthracene	11.39	178	139855	9.47	ng	98
72) Carbazole	11.55	167	40314	2.92	ng	97
74) Fluoranthene	12.54	202	655180	42.43	ng	93
77) Pyrene	12.75	202	627969	36.90	ng	99
80) Benzo(a)anthracene	13.94	228	372712	28.52	ng	95
82) Chrysene	13.98	228	240681m	19.58	ng	
83) Bis(2-ethylhexyl)phthalate	13.94	149	35542	3.88	ng	99
85) Indeno(1,2,3-cd)pyrene	16.72	276	131540	11.52	ng	# 100
87) Benzo(b)fluoranthene	14.97	252	388567m	25.97	ng	
88) Benzo(k)fluoranthene	14.98	252	96713m	8.57	ng	
89) Benzo(a)pyrene	15.31	252	255525m	21.11	ng	
90) Dibenzo(a,h)anthracene	16.73	278	34873m	3.10	ng	
91) Benzo(a,h,i)perylene	17.13	276	120775	10.44	ng	98

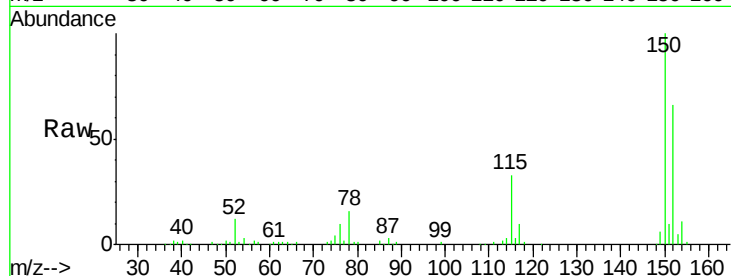
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

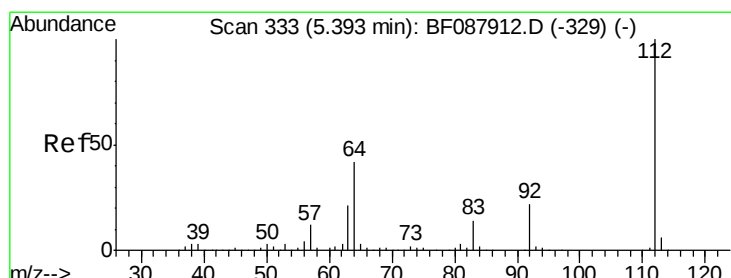
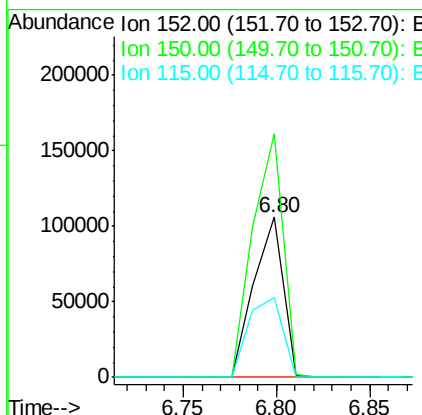
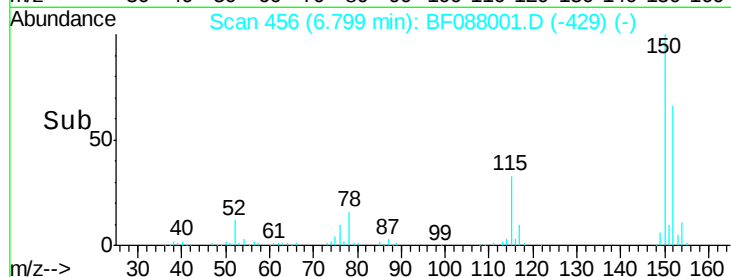
Instrument :
BNA_F
ClientSampleId :
STA-990-PLATFORM(0-4)DL



Tot Ion	Ratio	Resp	Lower	Upper
152	100	115068		
150	152.2	123.8	185.6	
115	49.7	39.6	59.4	

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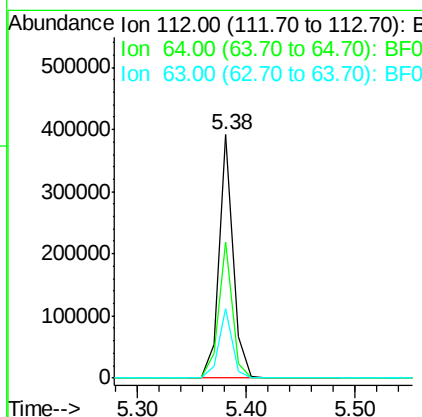
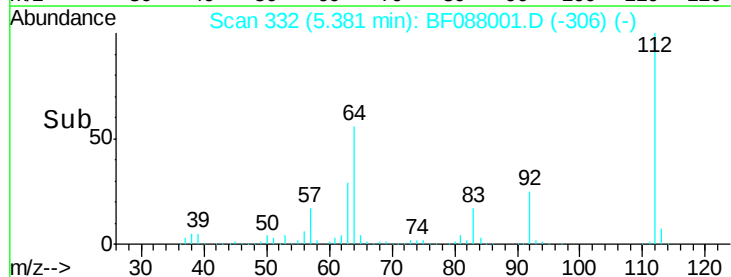
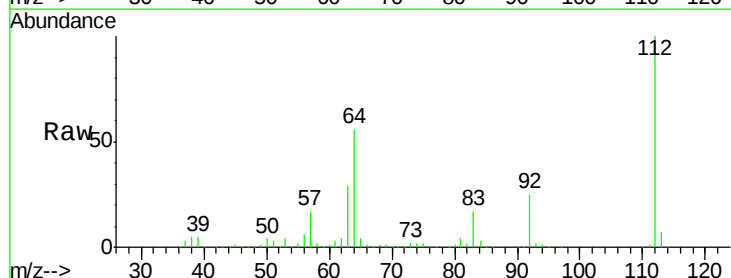
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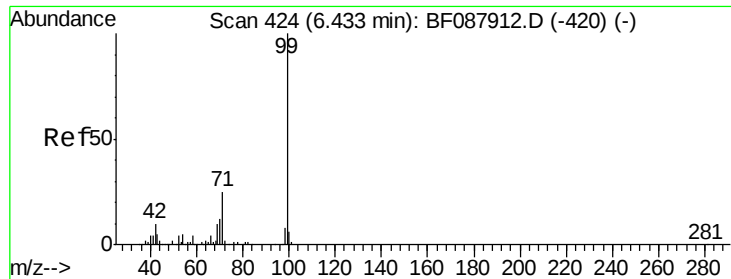


#5

2-Fluorophenol
Concen: 52.74 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	354975		
64	55.7	42.2	63.2	
63	28.8	21.8	32.8	





#7

Phenol-d6

Concen: 63.56 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF088001.D

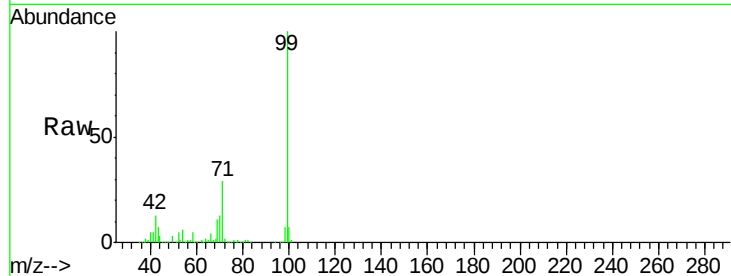
Acq: 14 Jun 2016 11:10

Instrument :

BNA_F

ClientSampleId :

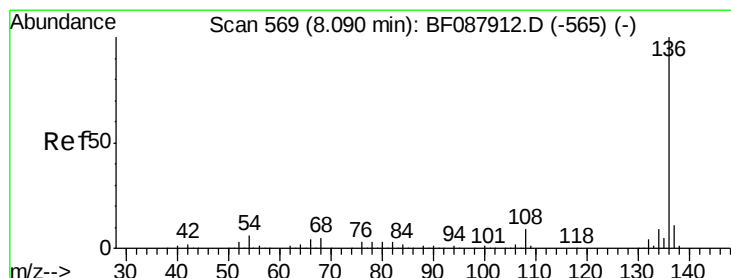
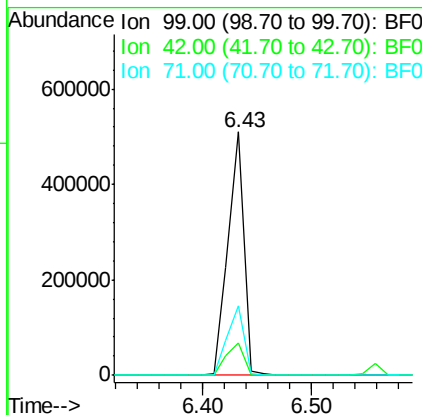
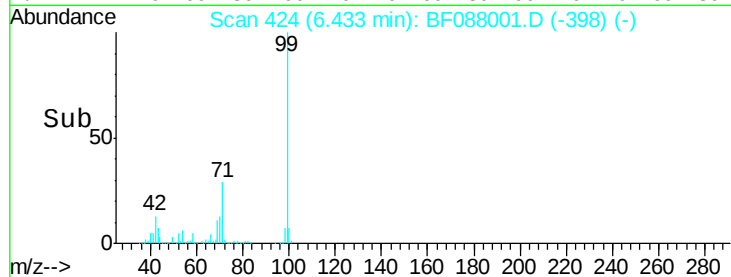
STA-990-PLATFORM(0-4)DL



Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	518476		
42	42	13.2		12.2	18.2
71	71	28.8		23.4	35.0

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#21

Naphthalene-d8

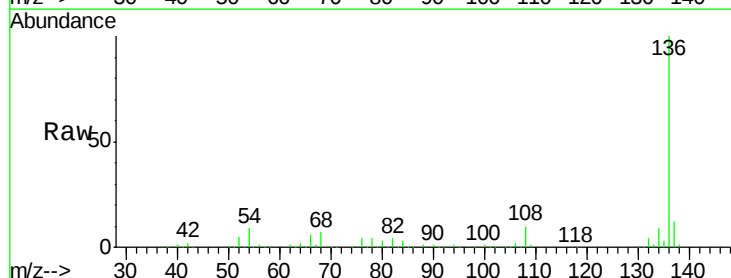
Concen: 20.00 ng

RT: 8.08 min Scan# 568

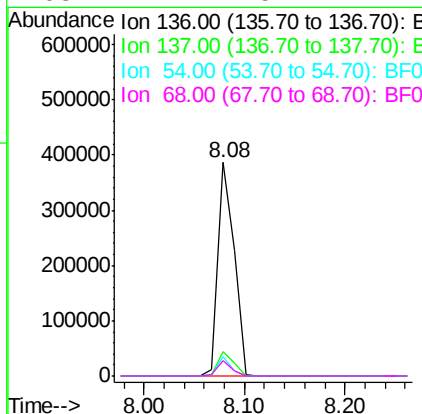
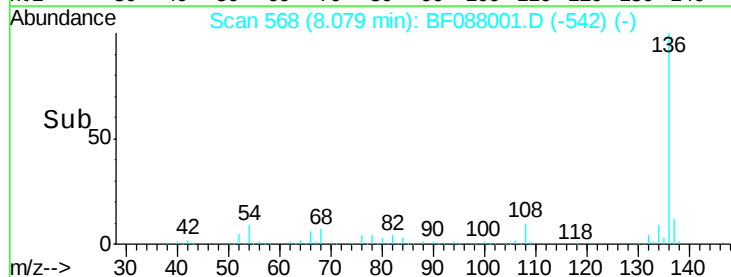
Delta R.T. -0.00 min

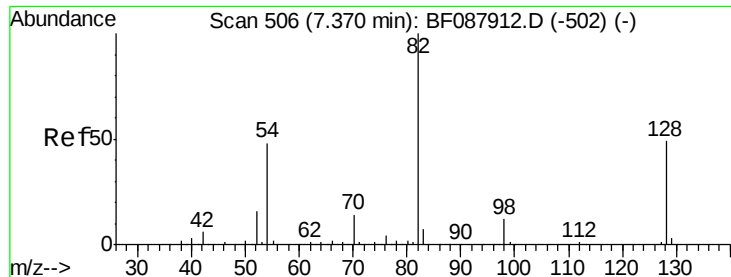
Lab File: BF088001.D

Acq: 14 Jun 2016 11:10



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	432350		
137	137	11.5		9.1	13.7
54	54	9.1		6.6	10.0
68	68	7.4		5.1	7.7





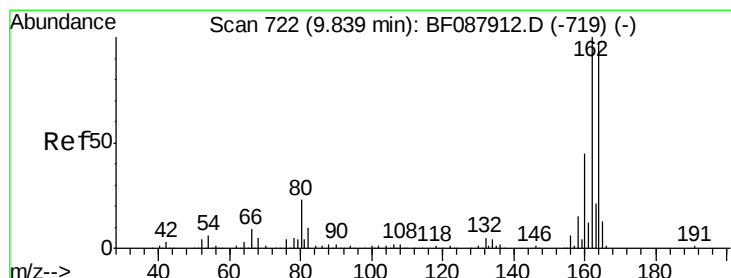
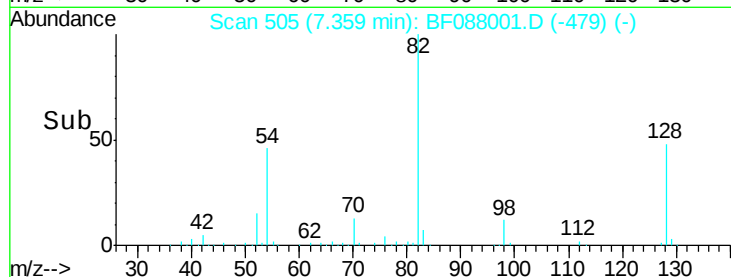
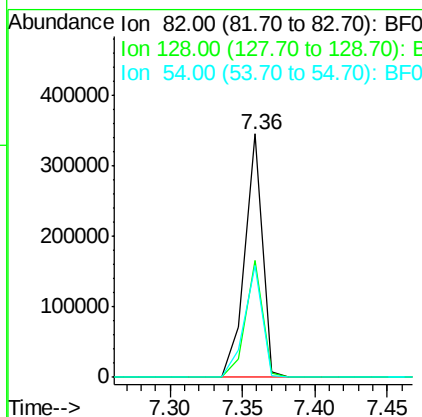
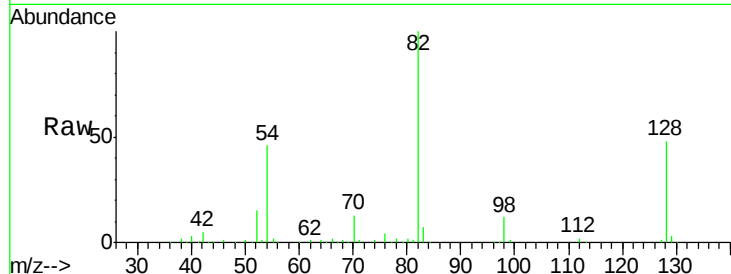
#23
Nitrobenzene-d5
Concen: 39.61 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

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

Tot Ion	82	Resp	293280
Ion Ratio	Lower	Upper	
82	100		
128	48.2	35.9	53.9
54	45.8	40.9	61.3

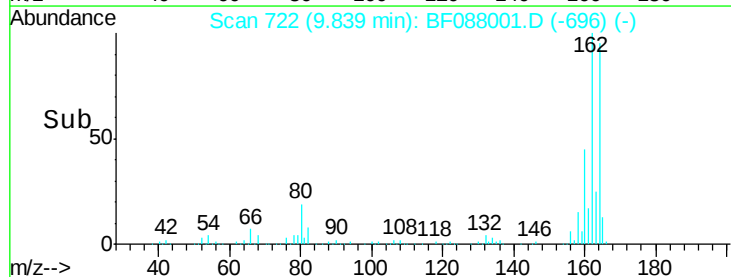
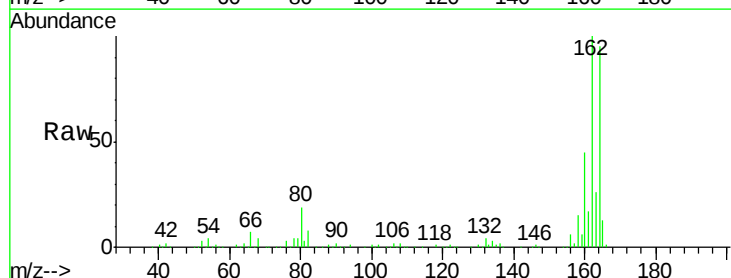
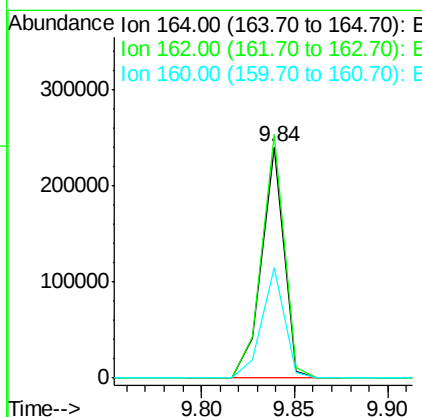
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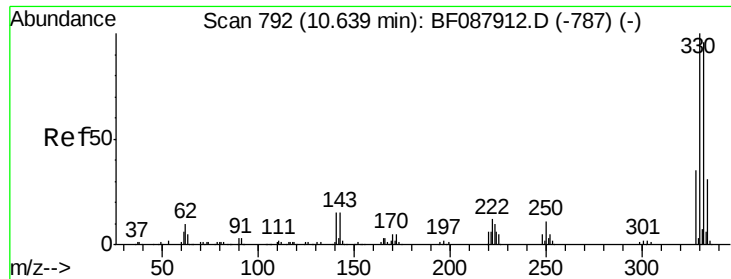
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	164	Resp	198926
Ion Ratio	Lower	Upper	
164	100		
162	105.4	85.4	128.2
160	47.7	39.5	59.3





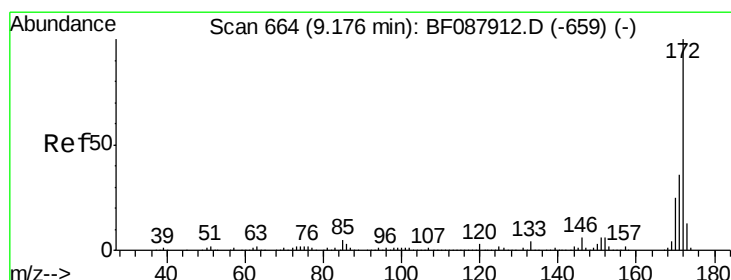
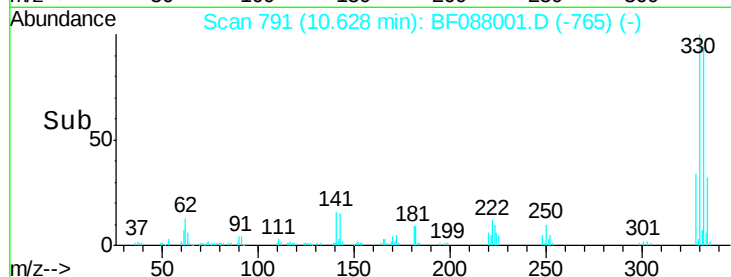
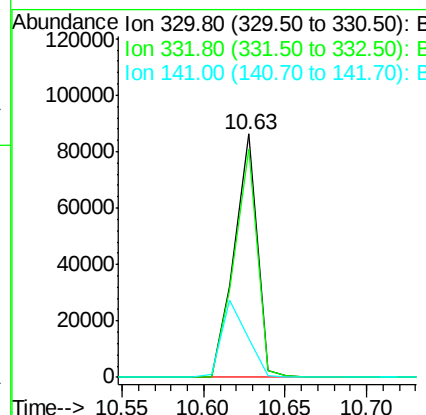
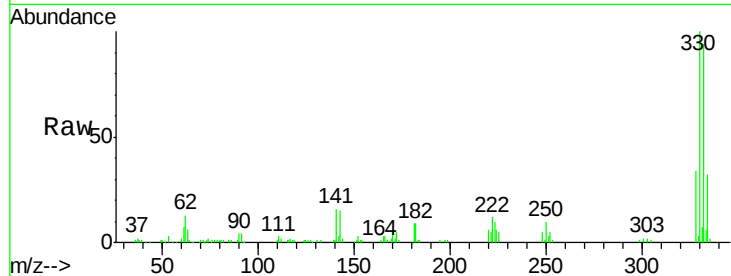
#41
 2,4,6-Tribromophenol
 Concen: 39.77 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.6	0.0	0.0#
141	35.1	0.0	0.0#

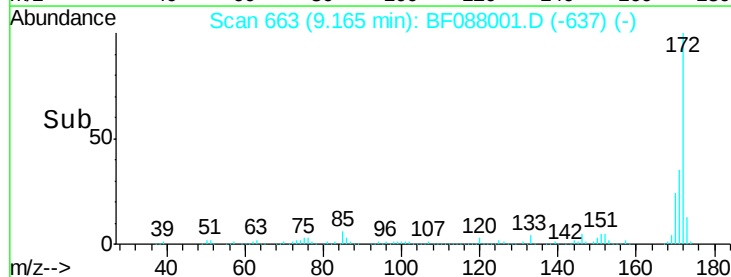
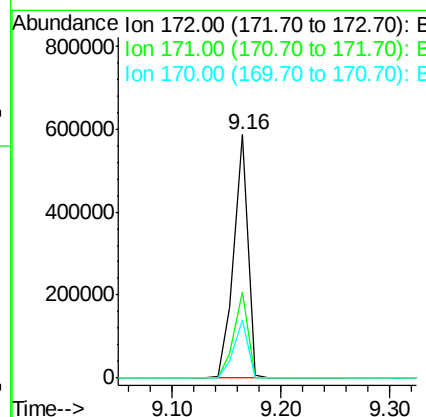
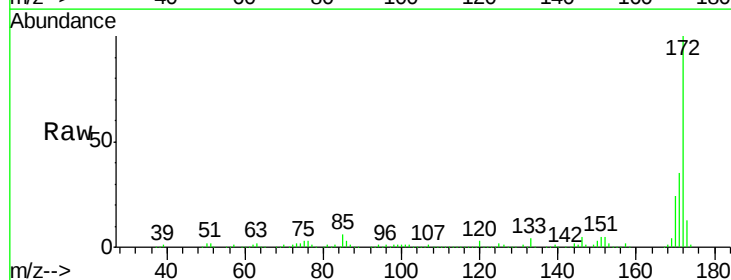
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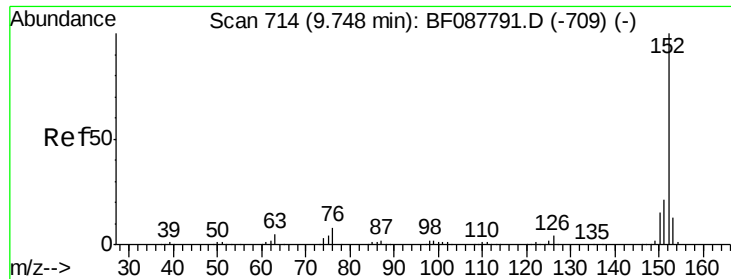
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#44
 2-Fluorobiphenyl
 Concen: 38.61 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.8	19.2	28.8





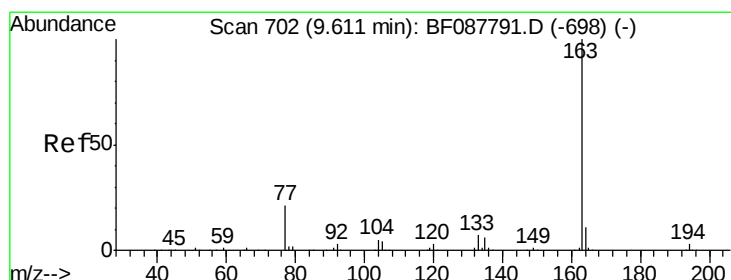
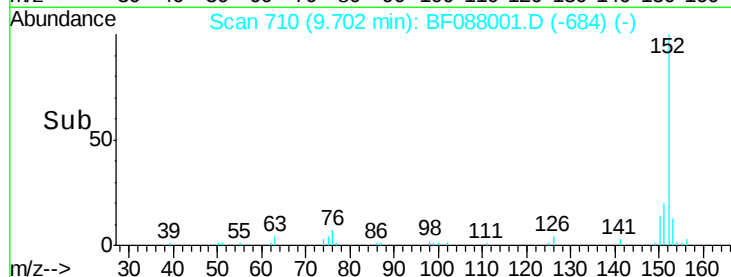
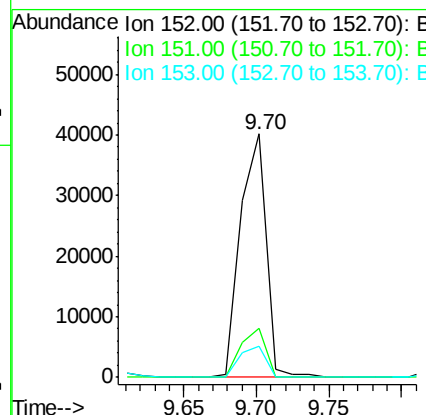
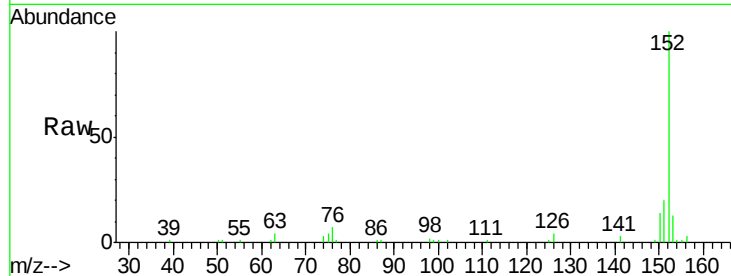
#48
Acenaphthylene
Concen: 2.41 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	12.7	11.0	16.6

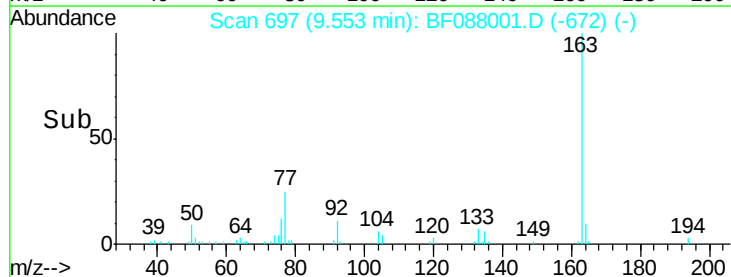
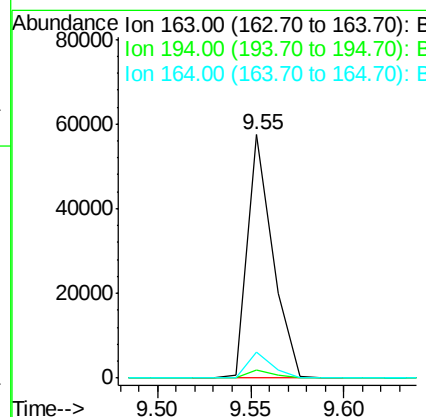
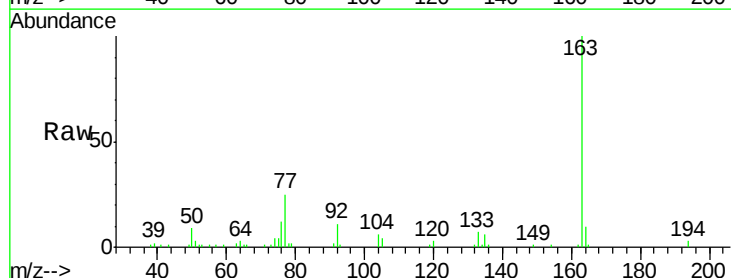
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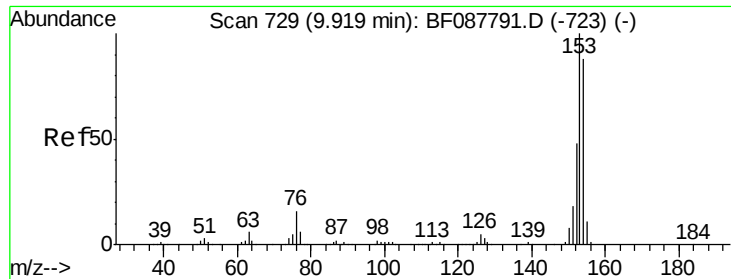
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#49
Dimethylphthalate
Concen: 3.75 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.01 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.5	8.3	12.5





#51

Acenaphthene

Concen: 2.26 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF088001.D

Acq: 14 Jun 2016 11:10

Instrument :

BNA_F

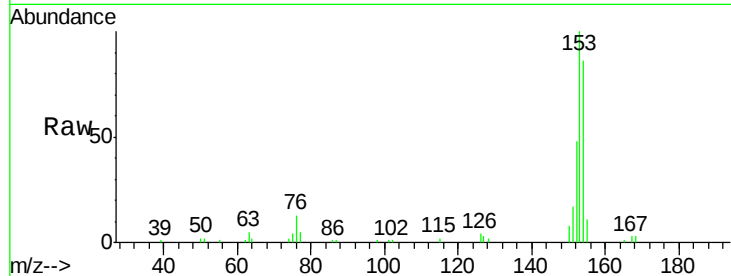
ClientSampleId :

STA-990-PLATFORM(0-4)DL

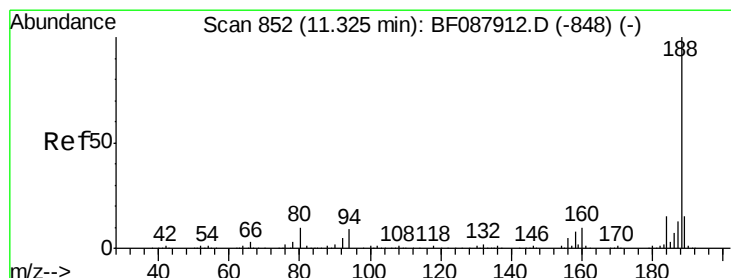
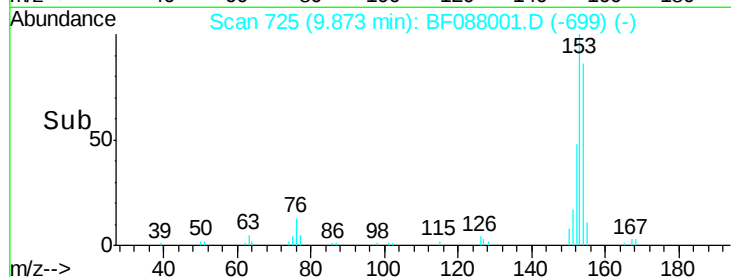
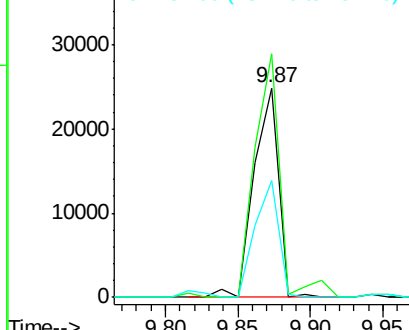
Tot Ion:	154	Resp:	28860
Ion Ratio	Lower	Upper	
154	100		
153	116.3	89.5	134.3
152	55.5	42.7	64.1

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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



#63

Phenanthrene-d10

Concen: 20.00 ng

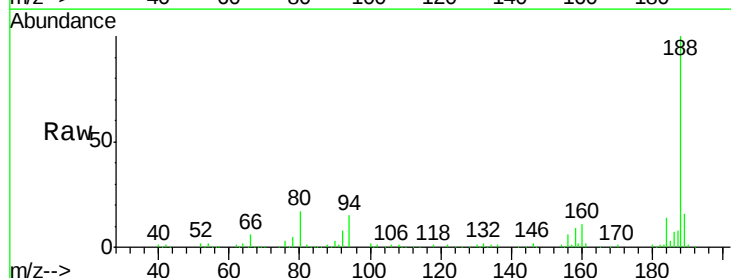
RT: 11.31 min Scan# 851

Delta R.T. -0.00 min

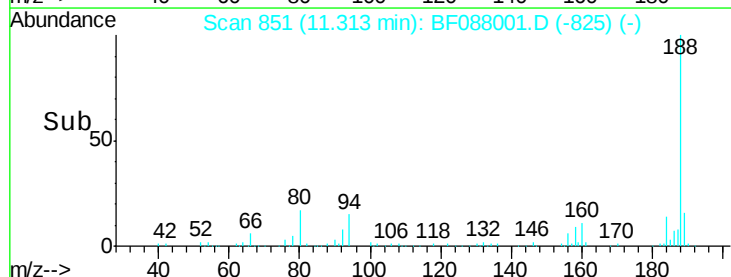
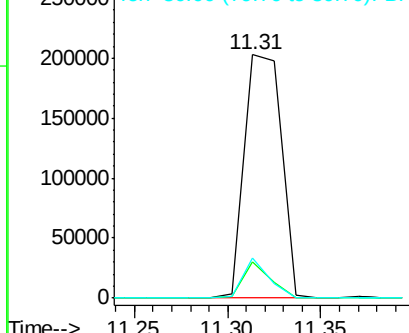
Lab File: BF088001.D

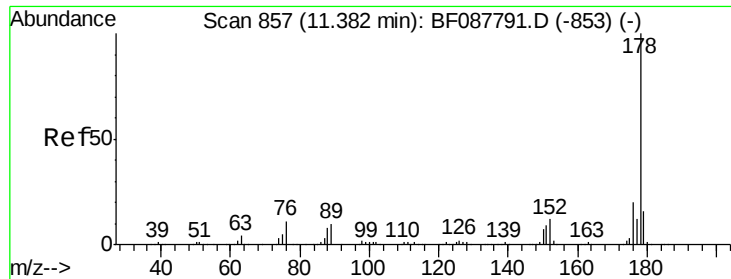
Acq: 14 Jun 2016 11:10

Tgt Ion:	188	Resp:	278870
Ion Ratio	Lower	Upper	
188	100		
94	14.8	9.0	13.6#
80	16.6	10.0	15.0#



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





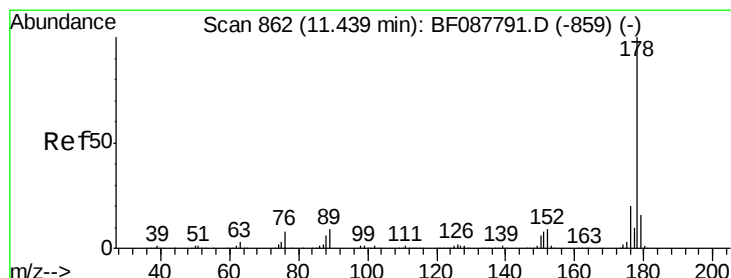
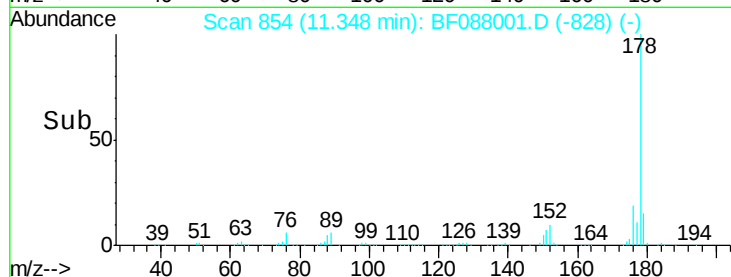
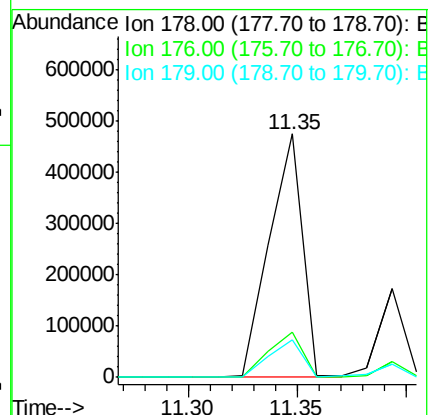
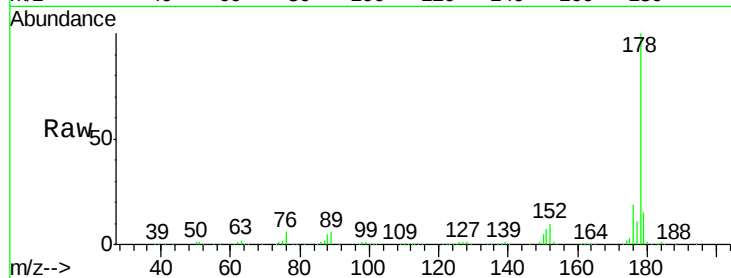
#70
Phenanthrene
Concen: 34.70 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	15.3	13.0	19.4

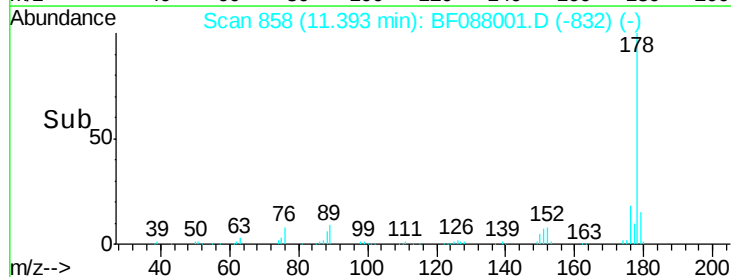
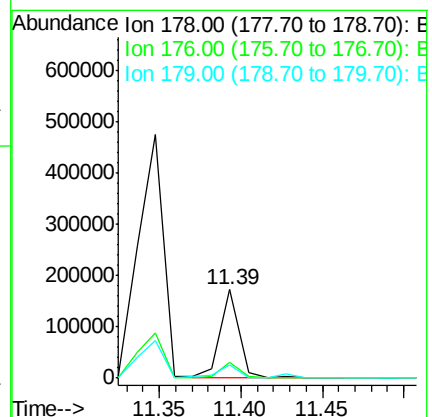
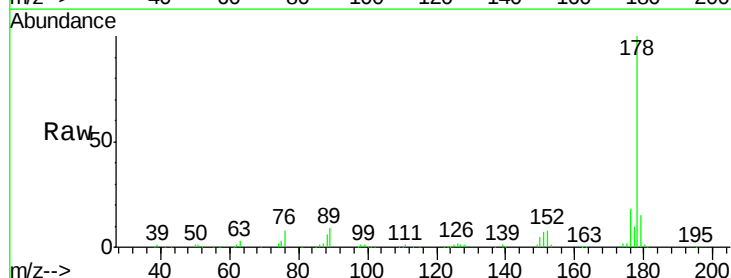
Manual Integrations
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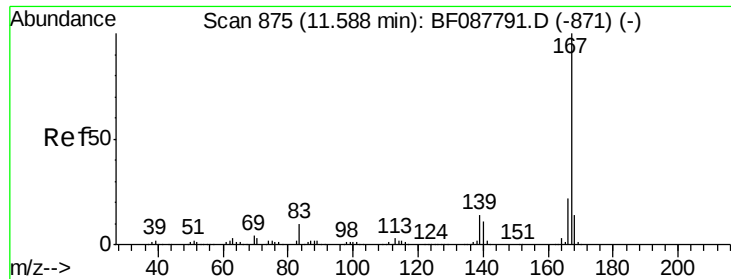
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#71
Anthracene
Concen: 9.47 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.3	12.8	19.2





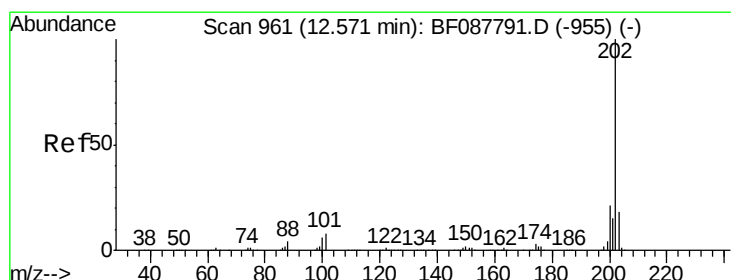
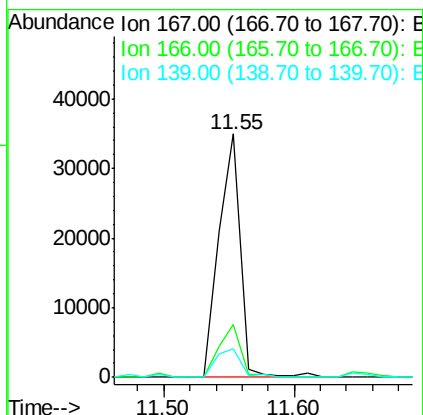
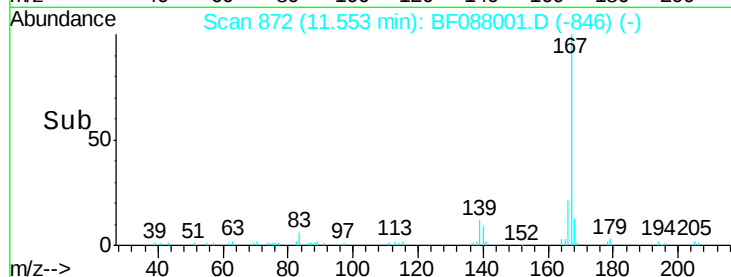
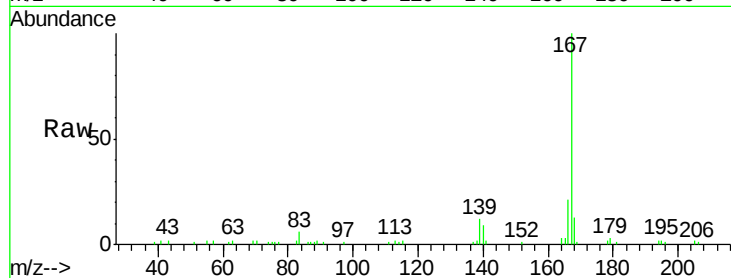
#72
 Carbazole
 Concen: 2.92 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	11.9	11.2	16.8

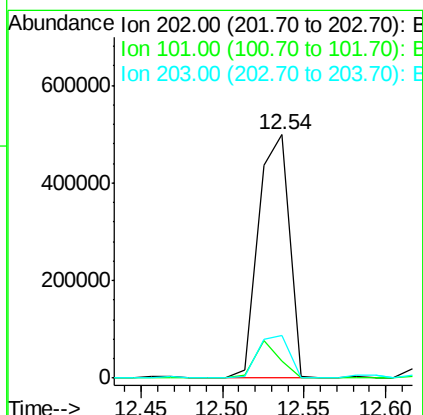
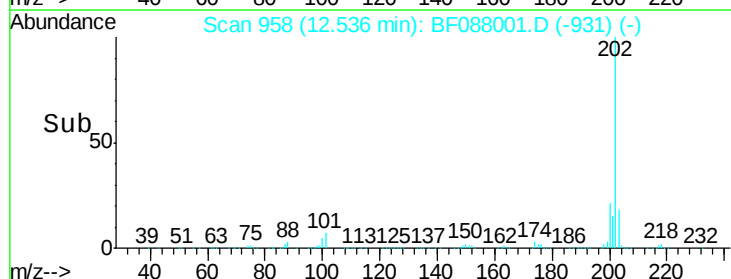
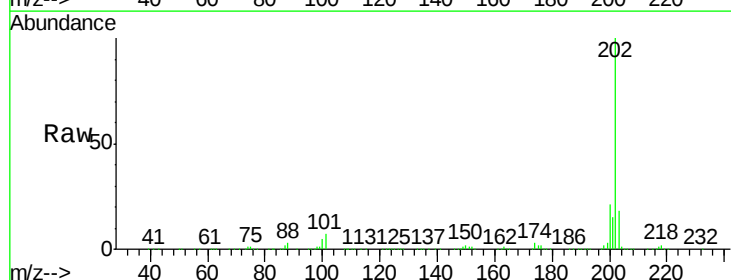
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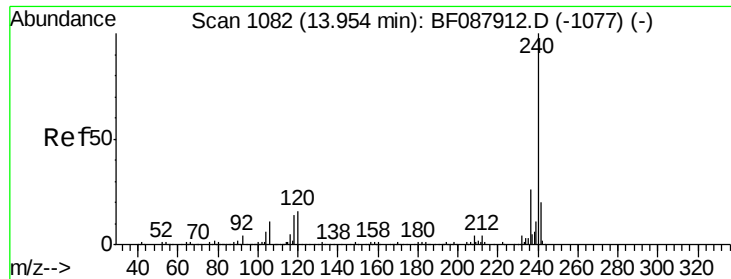
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#74
 Fluoranthene
 Concen: 42.43 ng
 RT: 12.54 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	33.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.00 min

Lab File: BF088001.D

Acq: 14 Jun 2016 11:10

Instrument :

BNA_F

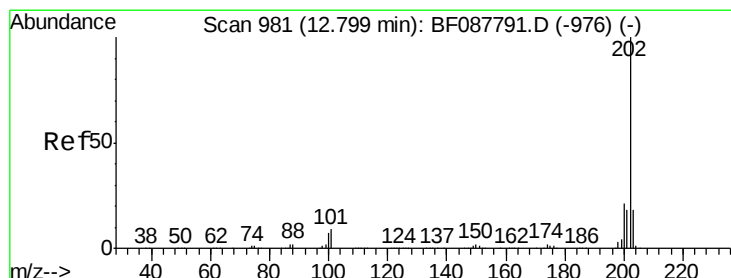
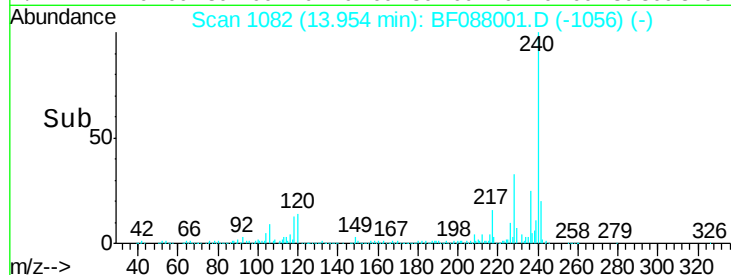
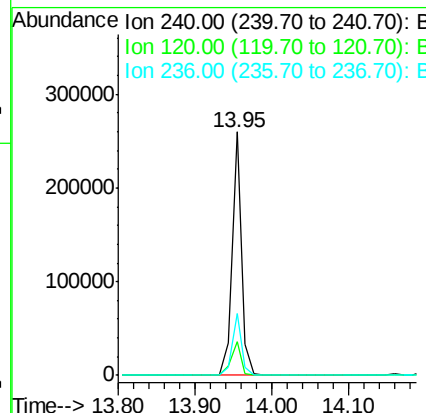
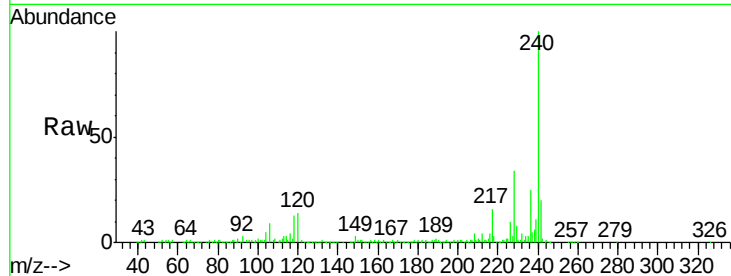
ClientSampleId :

STA-990-PLATFORM(0-4)DL

Tot Ion:	240	Resp:	229327
Ion Ratio		Lower	Upper
240	100		
120	14.1	6.8	10.2#
236	25.4	20.2	30.2

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#77

Pyrene

Concen: 36.90 ng

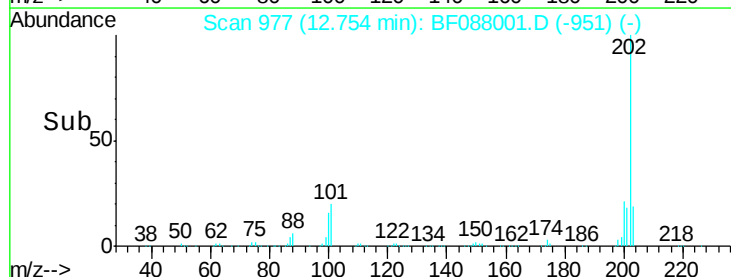
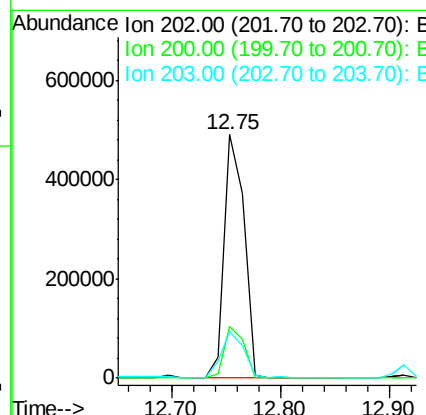
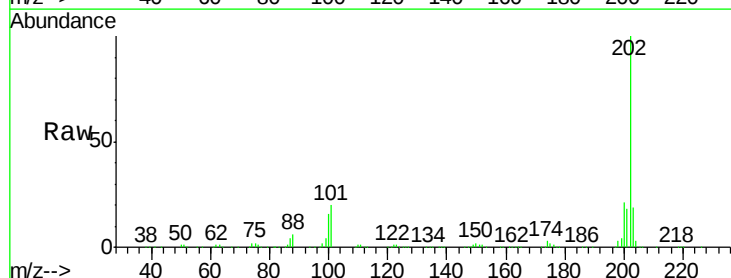
RT: 12.75 min Scan# 977

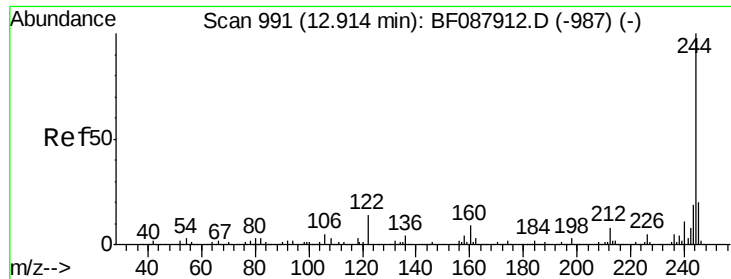
Delta R.T. -0.00 min

Lab File: BF088001.D

Acq: 14 Jun 2016 11:10

Tgt Ion:	202	Resp:	627969
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	19.0	14.5	21.7





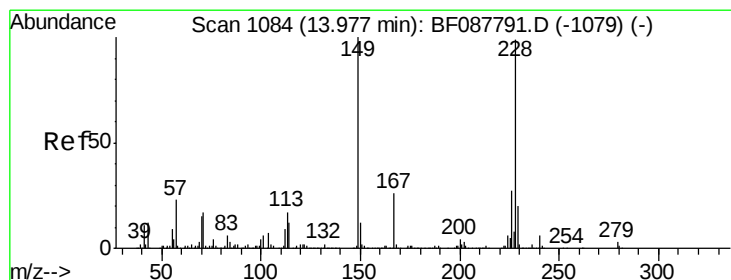
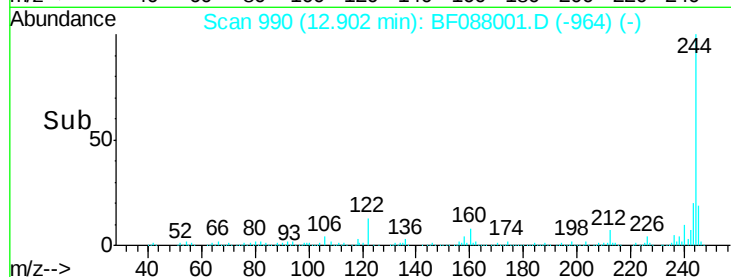
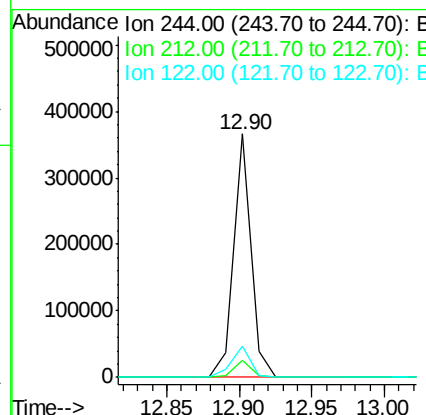
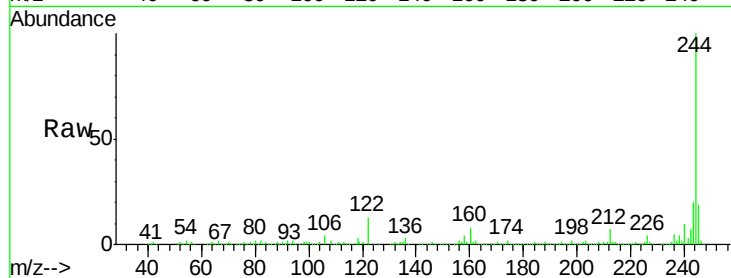
#78
 Terphenyl-d14
 Concen: 30.28 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	12.9	11.2	16.8

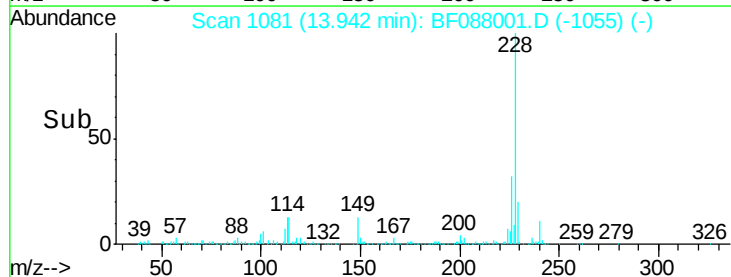
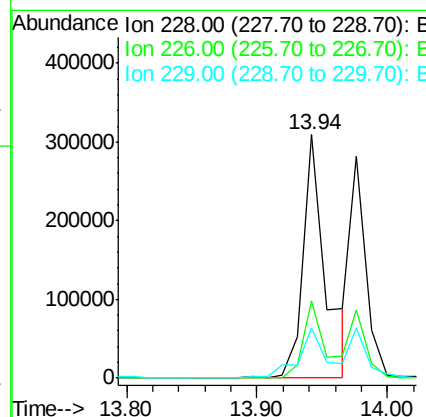
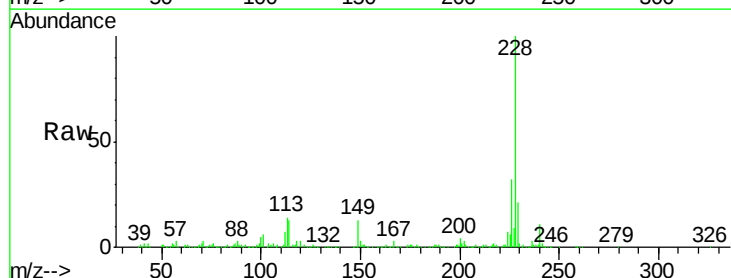
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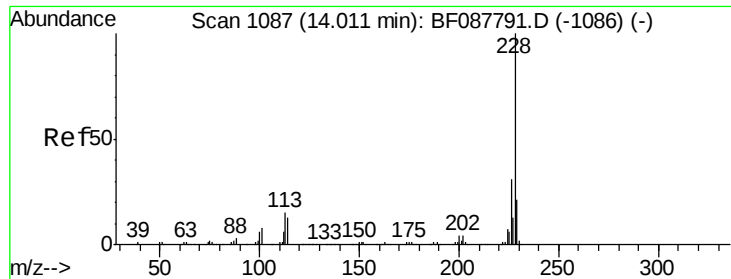
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#80
 Benzo(a)anthracene
 Concen: 28.52 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.3	33.5
229	20.8	16.0	24.0





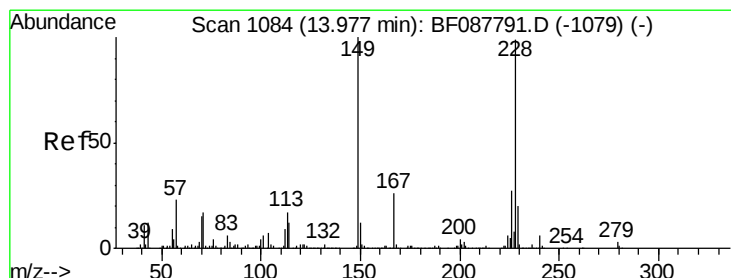
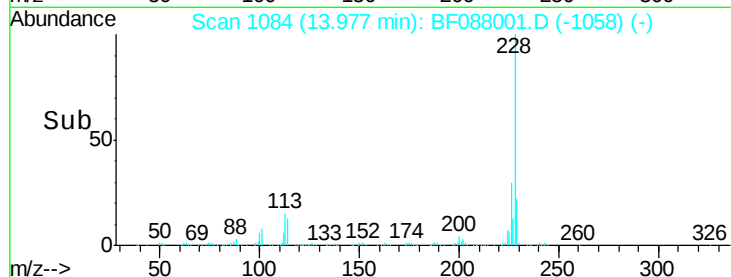
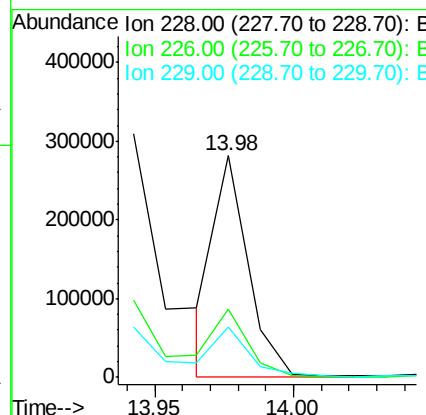
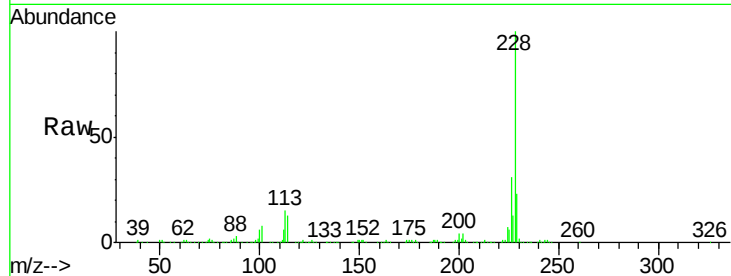
#82
Chrysene
Concen: 19.58 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.2
229	22.8	16.3	24.5

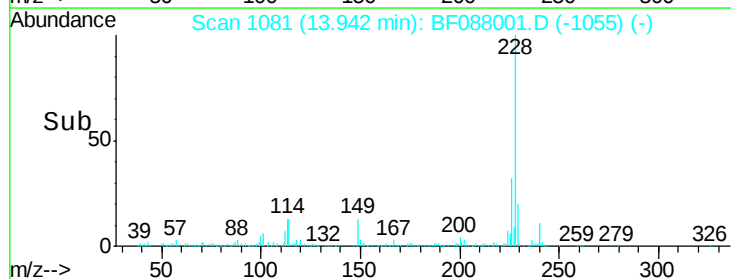
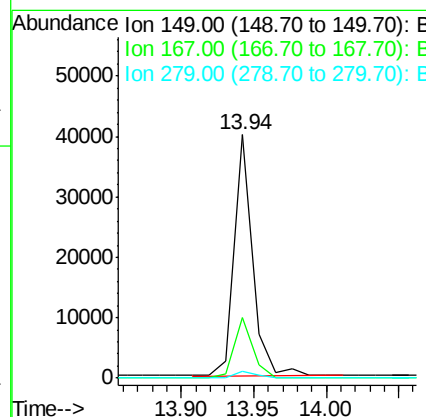
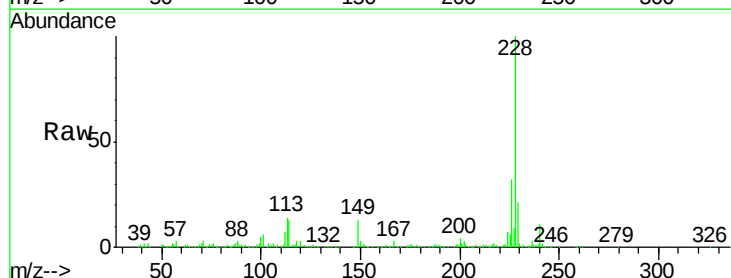
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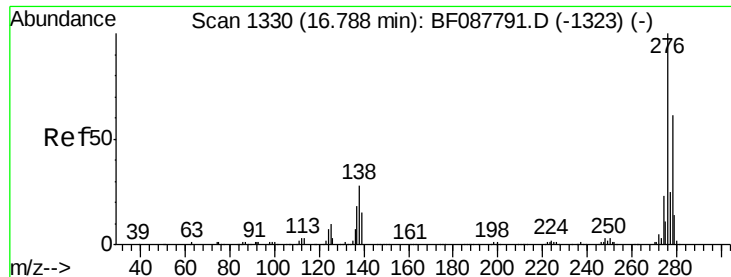
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.88 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.8	20.5	30.7
279	2.5	2.0	3.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 11.52 ng

RT: 16.72 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF088001.D

Acq: 14 Jun 2016 11:10

Instrument :

BNA_F

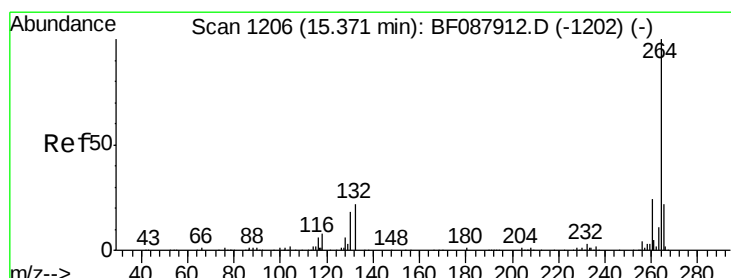
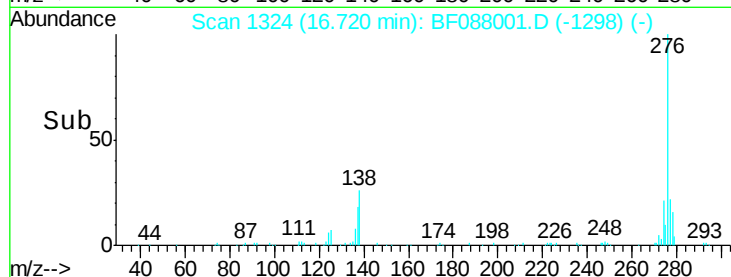
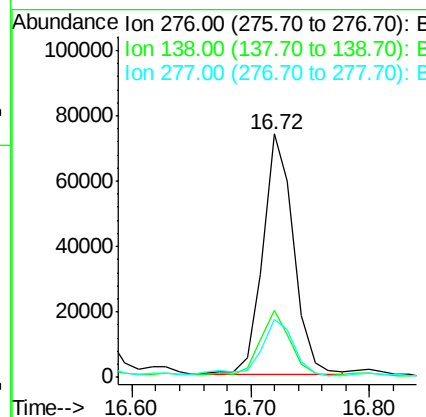
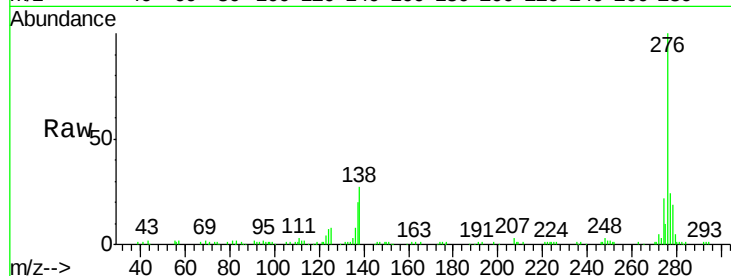
ClientSampleId :

STA-990-PLATFORM(0-4)DL

Tot Ion:	276	Resp:	131540
Ion Ratio		Lower	Upper
276	100		
138	26.7	0.0	0.0#
277	25.7	0.0	0.0#

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#86

Perylene-d12

Concen: 20.00 ng

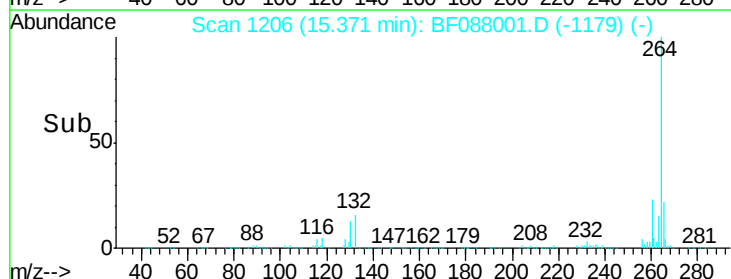
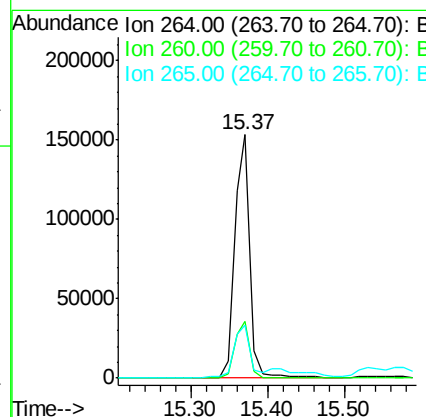
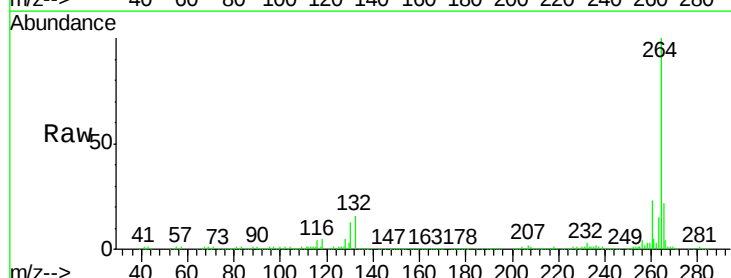
RT: 15.37 min Scan# 1206

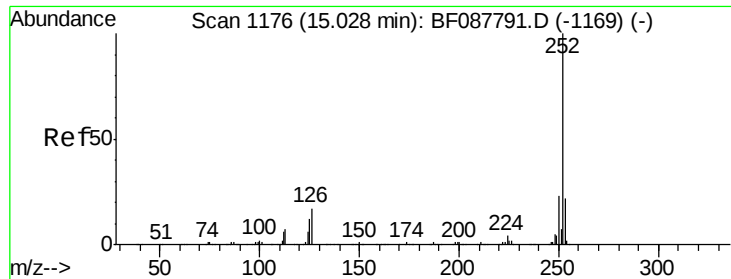
Delta R.T. 0.01 min

Lab File: BF088001.D

Acq: 14 Jun 2016 11:10

Tgt Ion:	264	Resp:	214653
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	16.9	25.3





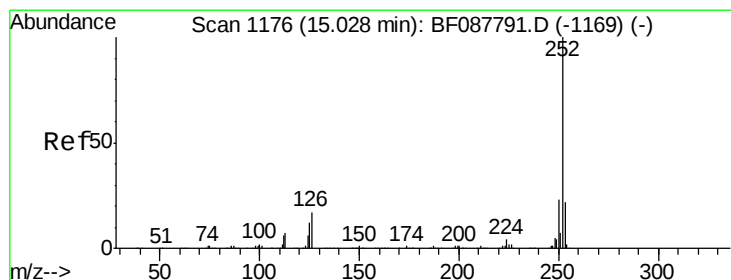
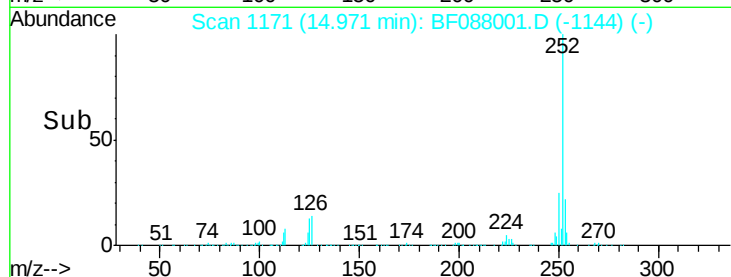
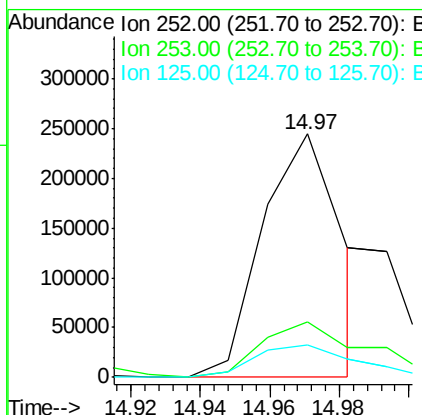
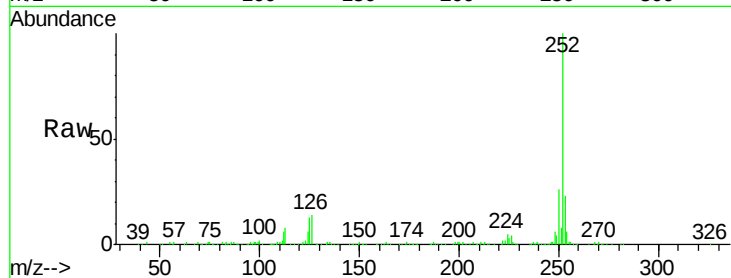
#87
Benzo(b)fluoranthene
Concen: 25.97 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	13.4	7.1	10.7

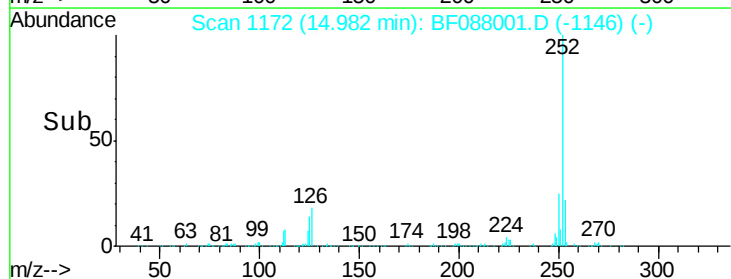
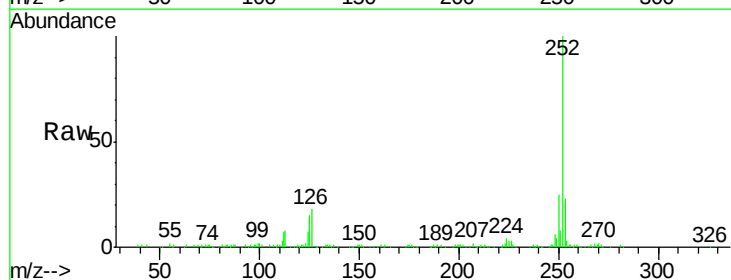
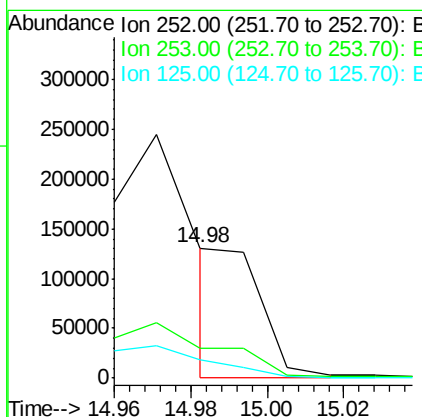
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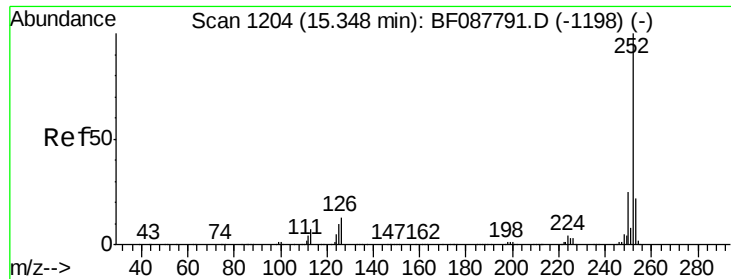
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#88
Benzo(k)fluoranthene
Concen: 8.57 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	14.6	11.2	16.8





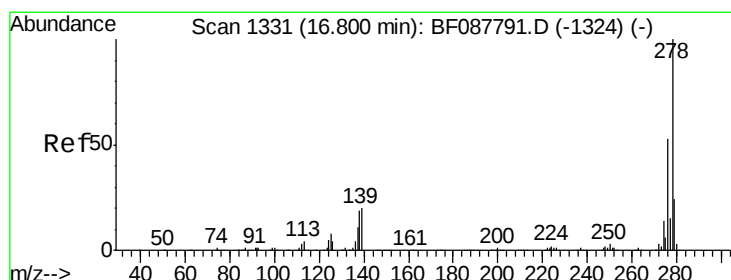
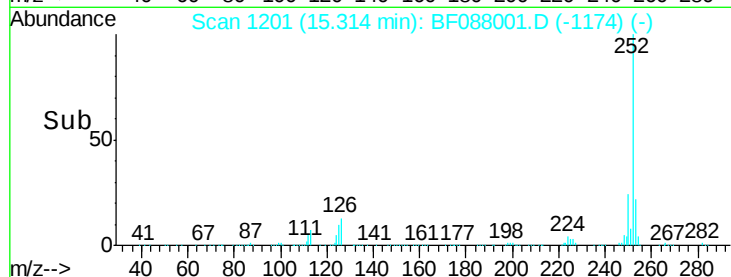
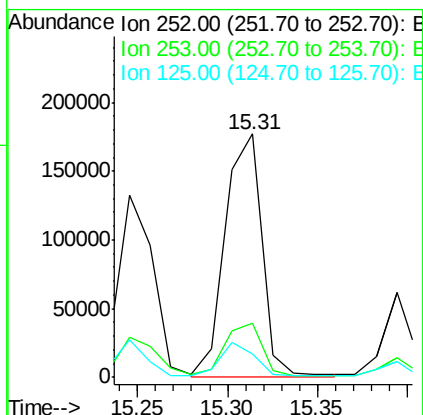
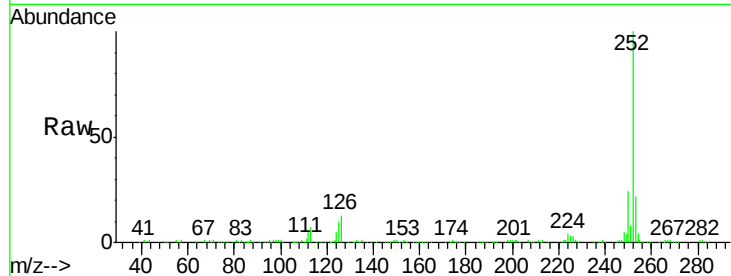
#89
Benzo(a)pyrene
Concen: 21.11 ng m
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.9	26.9
125	9.7	12.5	18.7#

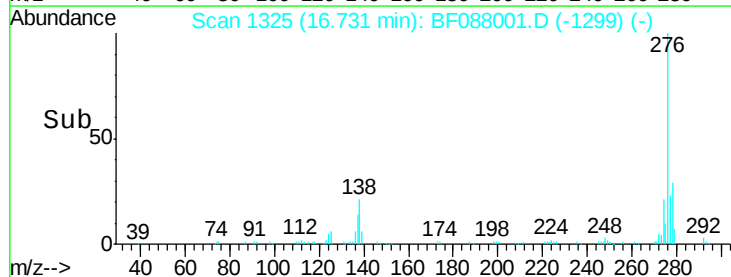
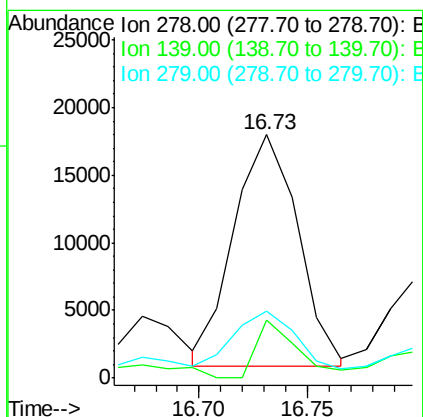
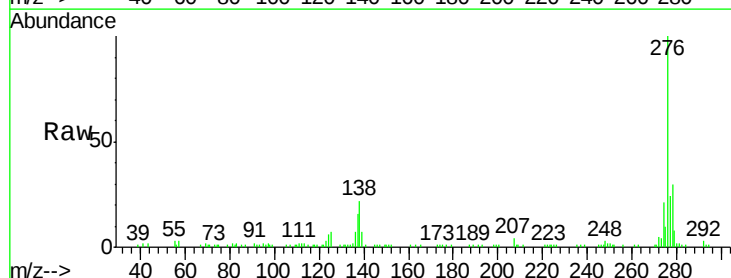
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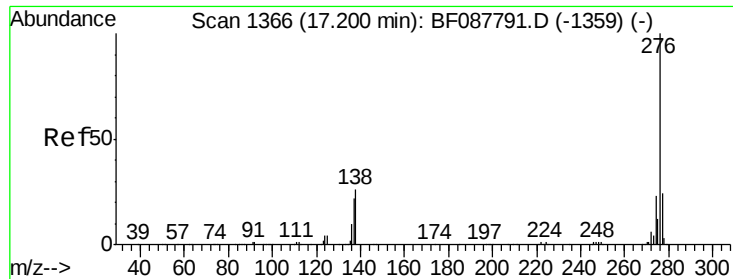
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#90
Dibenzo(a,h)anthracene
Concen: 3.10 ng m
RT: 16.73 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF088001.D
Acq: 14 Jun 2016 11:10

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	23.7	15.7	23.5#
279	27.3	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 10.44 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BF088001.D
 Acq: 14 Jun 2016 11:10

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

Tot Ion:	276	Resp:	120775
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	27.8	21.4	32.2

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