

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071015\
 Data File : BF080421.D
 Acq On : 11 Jul 2015 7:55
 Operator : TP/UM
 Sample : G2838-05DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7DL

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Quant Time: Jul 13 01:23:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	20305	20.00	ng	-0.01
21) Naphthalene-d8	8.43	136	87610	20.00	ng	0.00
38) Acenaphthene-d10	10.19	164	43135	20.00	ng	0.00
63) Phenanthrene-d10	11.69	188	85089	20.00	ng	0.00
75) Chrysene-d12	14.58	240	97338	20.00	ng	0.05
86) Perylene-d12	16.36	264	95213	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	99569	84.03	ng	0.00
7) Phenol-d6	6.80	99	123216	78.05	ng	0.00
23) Nitrobenzene-d5	7.71	82	78868	51.34	ng	0.00
41) 2,4,6-Tribromophenol	10.98	330	28720	68.22	ng	-0.01
44) 2-Fluorobiphenyl	9.50	172	170615	53.27	ng	0.00
78) Terphenyl-d14	13.33	244	195958	43.72	ng	0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.05	152	16173	3.41	ng	99
49) Dimethylphthalate	9.90	163	15065	4.62	ng	99
70) Phenanthrene	11.71	178	84580	16.55	ng	99
71) Anthracene	11.76	178	30608	6.47	ng	98
74) Fluoranthene	12.95	202	285872	53.92	ng	100
77) Pyrene	13.20	202	247677	39.72	ng	99
80) Benzo(a)anthracene	14.57	228	184414	30.06	ng	96
82) Chrysene	14.60	228	110881	19.63	ng	96
85) Indeno(1,2,3-cd)pyrene	18.02	276	54394	7.75	ng	96
87) Benzo(b)fluoranthene	15.87	252	170836m	25.83	ng	
88) Benzo(k)fluoranthene	15.89	252	34792m	6.43	ng	
89) Benzo(a)pyrene	16.29	252	95660	16.51	ng	97
90) Dibenzo(a,h)anthracene	18.03	278	15277	2.66	ng	# 90
91) Benzo(g,h,i)perylene	18.52	276	54720	9.60	ng	98

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

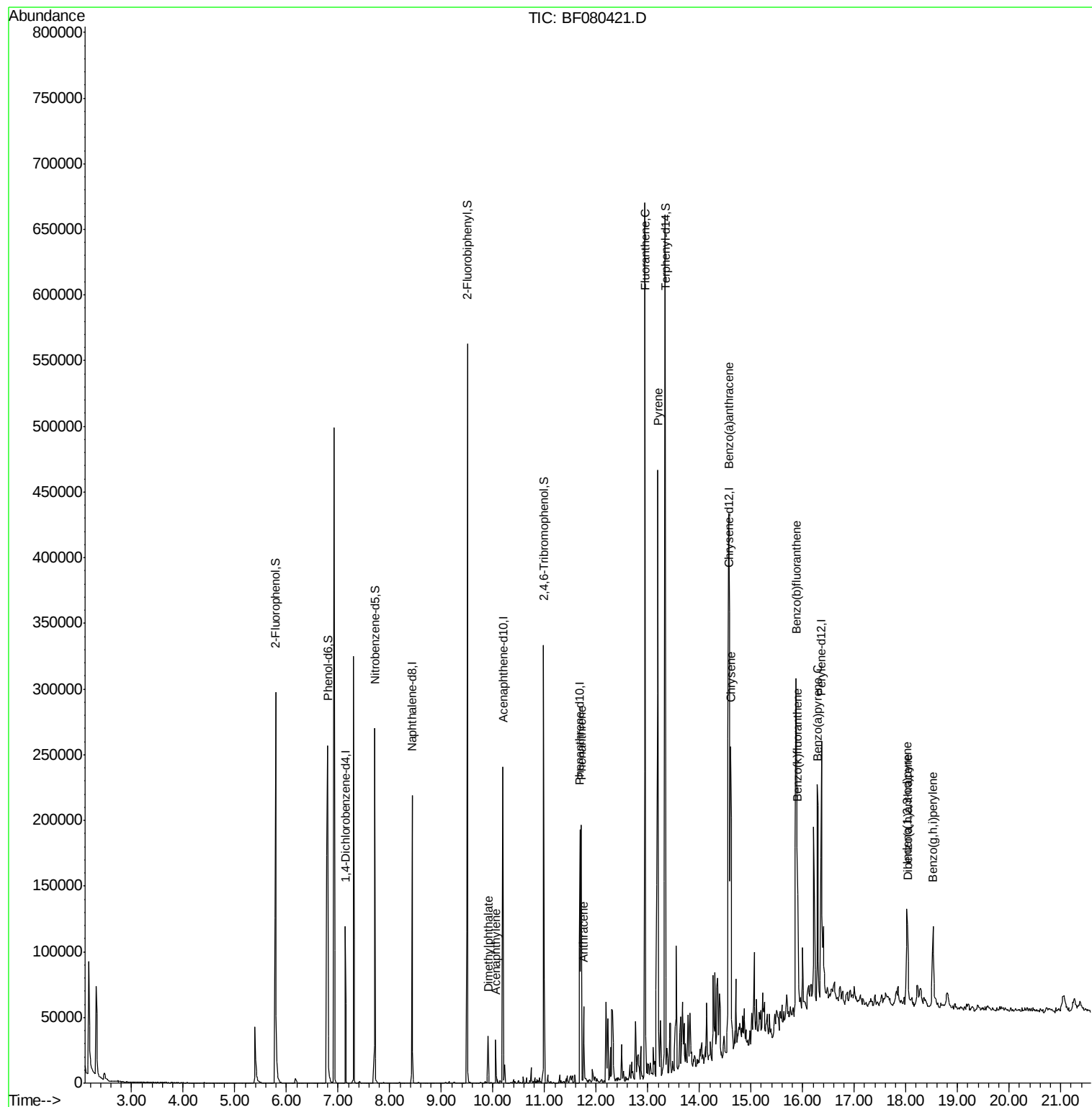
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071015\
Data File : BF080421.D
Acq On : 11 Jul 2015 7:55
Operator : TP/UM
Sample : G2838-05DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

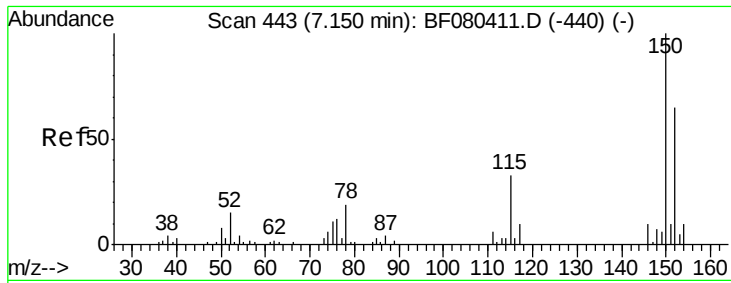
Instrument :
BNA_F
ClientSampleId :
TEC-B7DL

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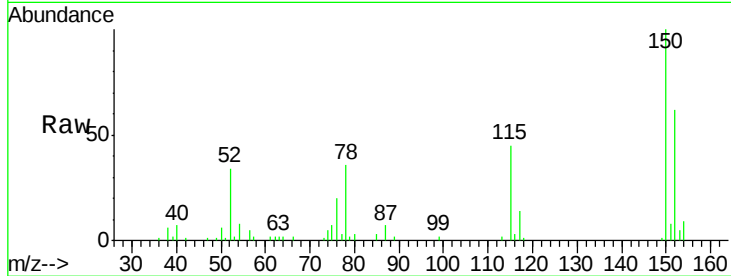
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.14 min Scan# 442
 Delta R.T. -0.01 min
 Lab File: BF080421.D
 Acq: 11 Jul 2015 7:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7DL

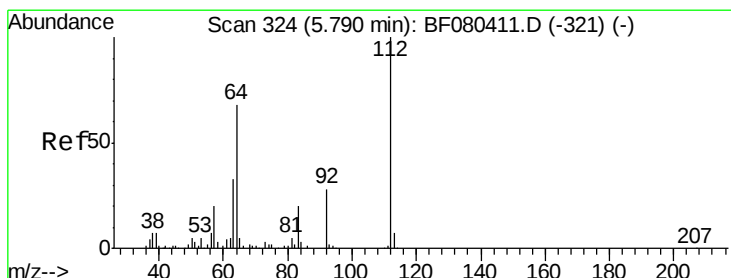
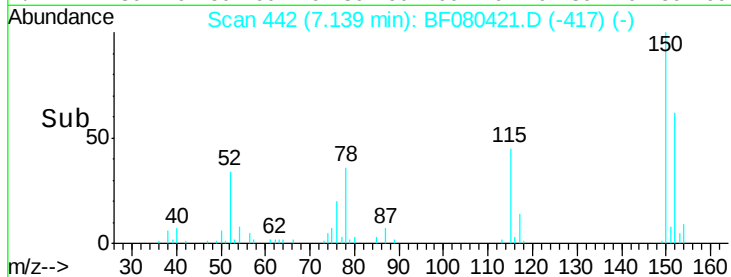
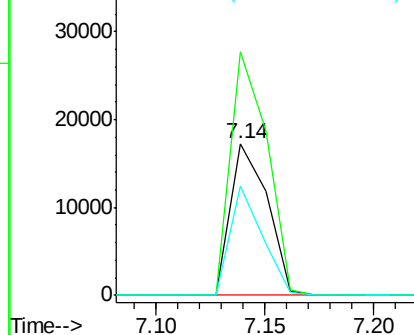
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	20305		
150	160.6	122.3	183.5	
115	72.3	41.0	61.4	

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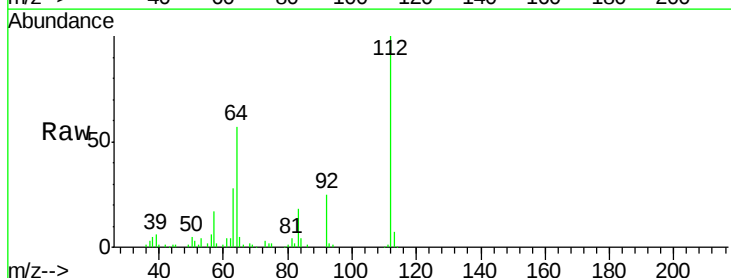


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

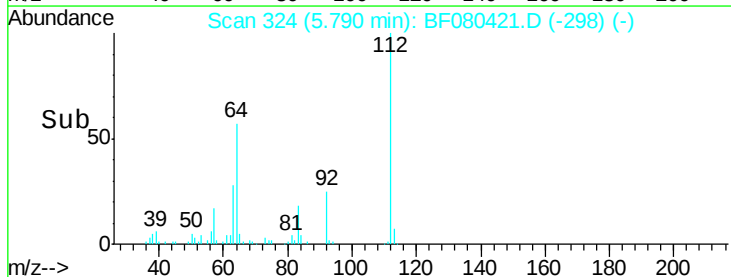
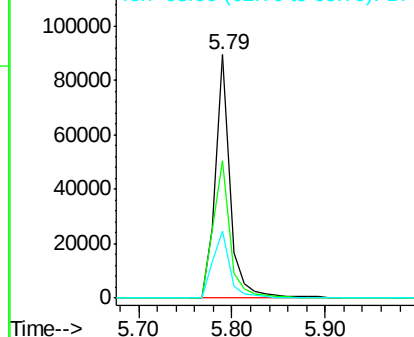


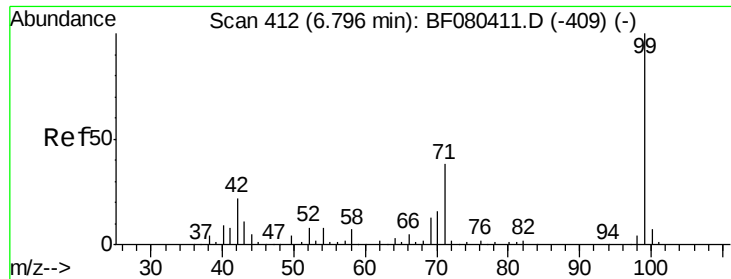
#5
 2-Fluorophenol
 Concen: 84.03 ng
 RT: 5.79 min Scan# 324
 Delta R.T. 0.00 min
 Lab File: BF080421.D
 Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	99569		
64	56.7	54.3	81.5	
63	27.7	26.7	40.1	



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.05 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF080421.D

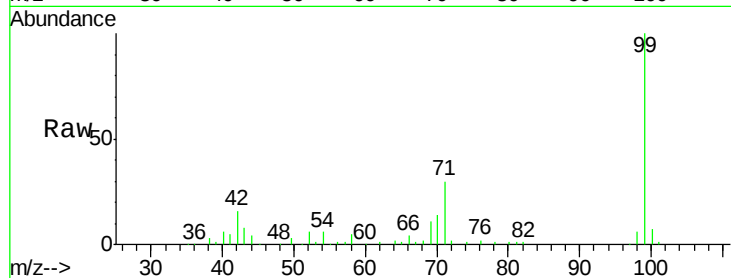
Acq: 11 Jul 2015 7:55

Instrument :

BNA_F

ClientSampleId :

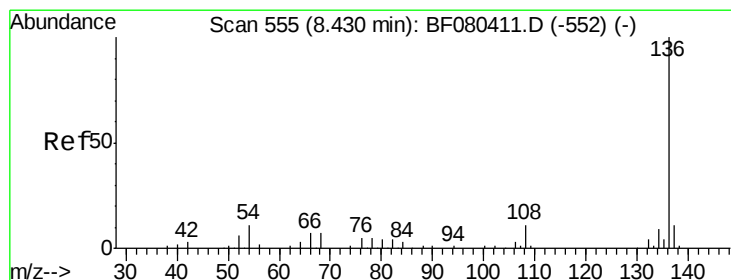
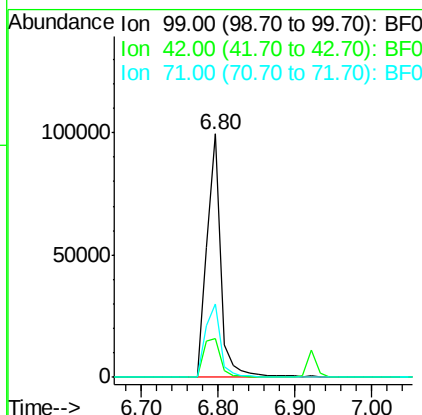
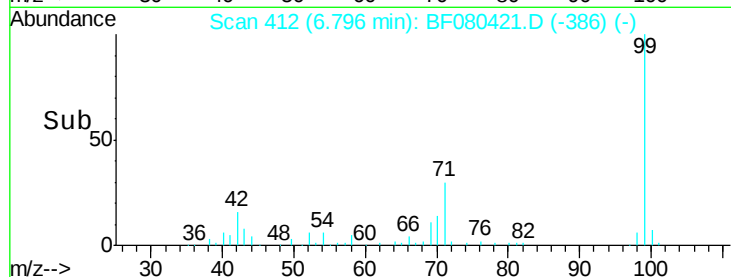
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Tgt Ion:	99	Resp:	123216
Ion Ratio	Lower	Upper	
99	100		
42	16.0	17.9	26.9#
71	30.1	30.1	45.1

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#21

Naphthalene-d8

Concen: 20.00 ng

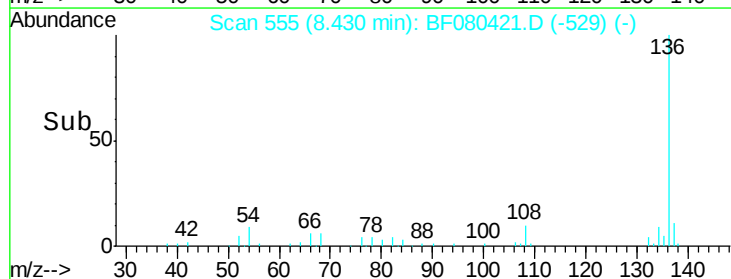
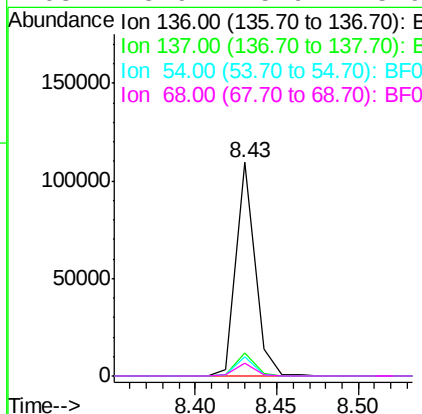
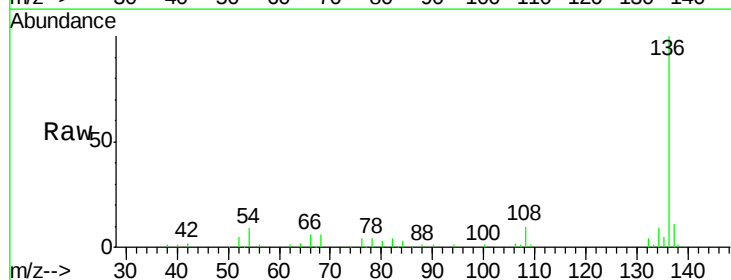
RT: 8.43 min Scan# 555

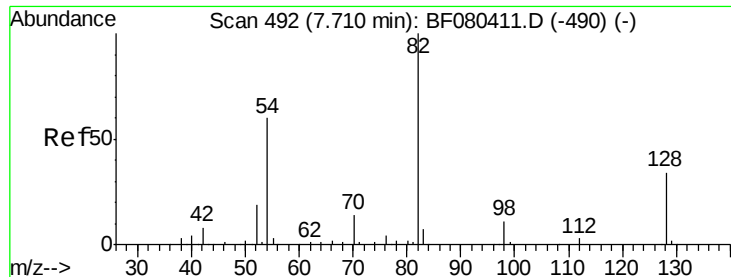
Delta R.T. 0.00 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Tgt Ion:	136	Resp:	87610
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	8.9	9.1	13.7#
68	5.9	5.9	8.9#





#23

Nitrobenzene-d5

Concen: 51.34 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Instrument :

BNA_F

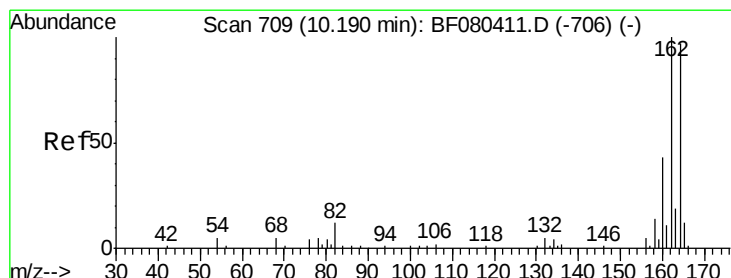
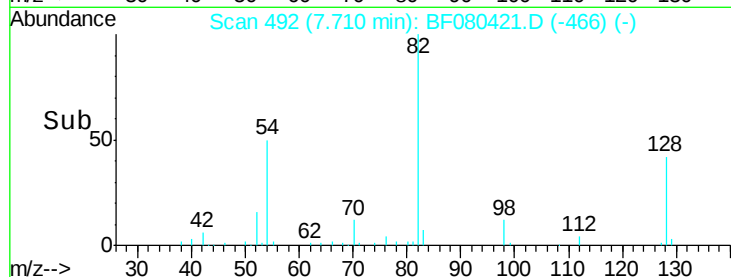
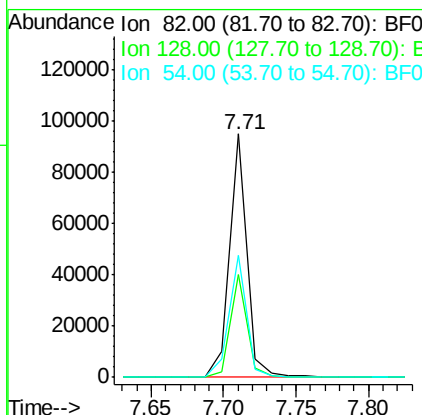
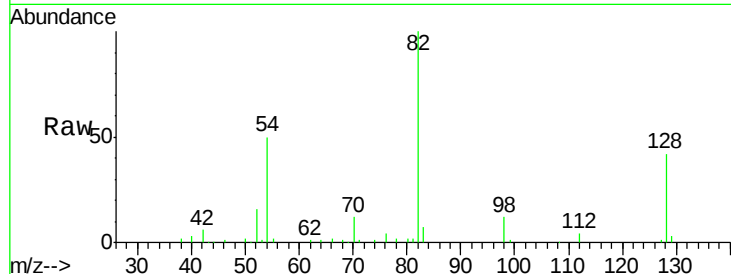
ClientSampleId :

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Tgt Ion:	82	Resp:	78868
Ion Ratio	Lower	Upper	
82	100		
128	42.0	26.9	40.3#
54	50.3	47.7	71.5

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#38

Acenaphthene-d10

Concen: 20.00 ng

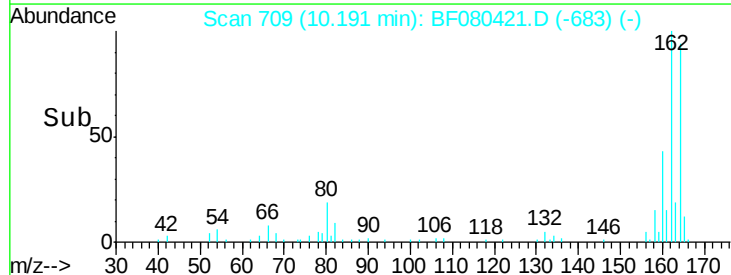
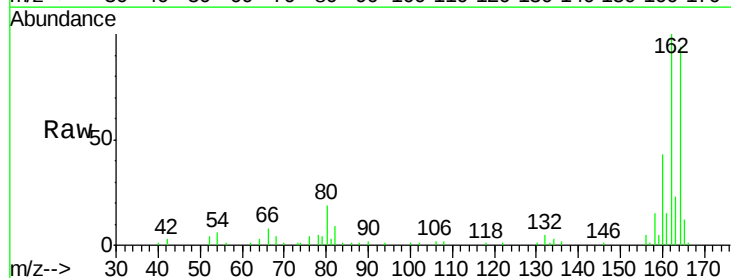
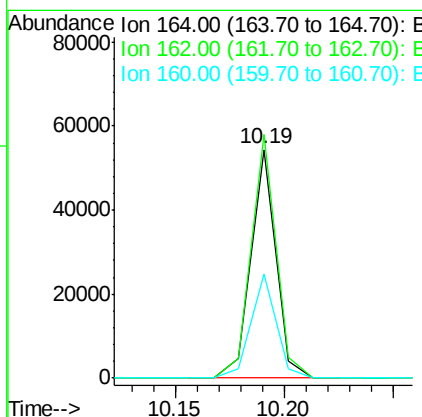
RT: 10.19 min Scan# 709

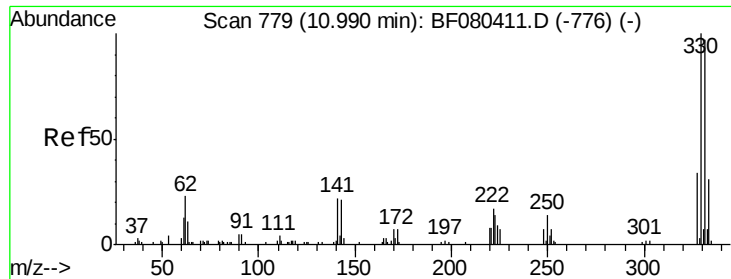
Delta R.T. 0.00 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Tgt Ion:	164	Resp:	43135
Ion Ratio	Lower	Upper	
164	100		
162	106.5	82.7	124.1
160	45.3	35.5	53.3





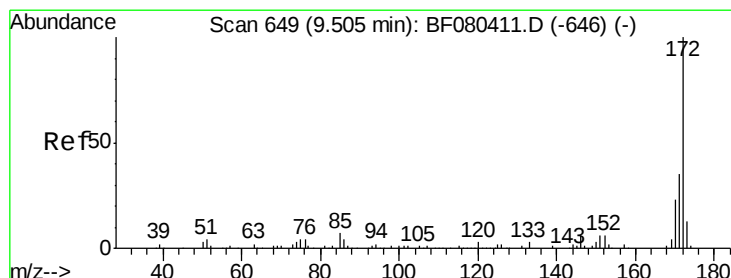
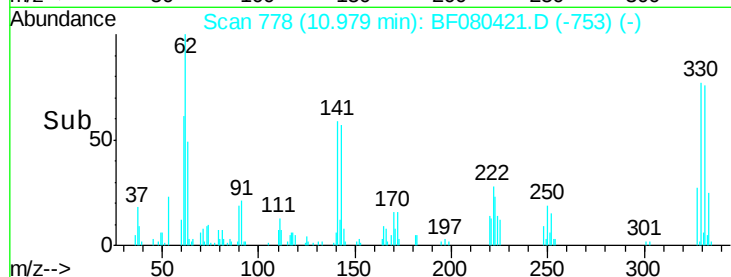
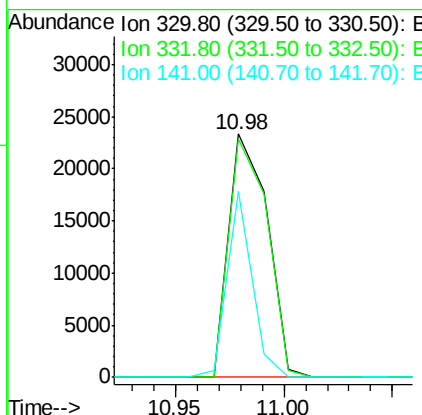
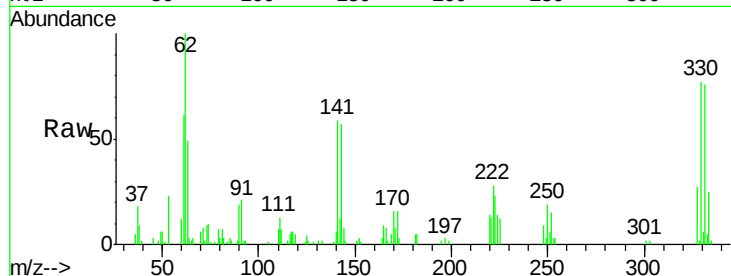
#41
 2,4,6-Tribromophenol
 Concen: 68.22 ng
 RT: 10.98 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF080421.D
 Acq: 11 Jul 2015 7:55

Instrument :
 BNA_F
 ClientSampled :
 TEC-B7DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	28720		
332	98.1	78.0	117.0	
141	49.4	28.6	43.0#	

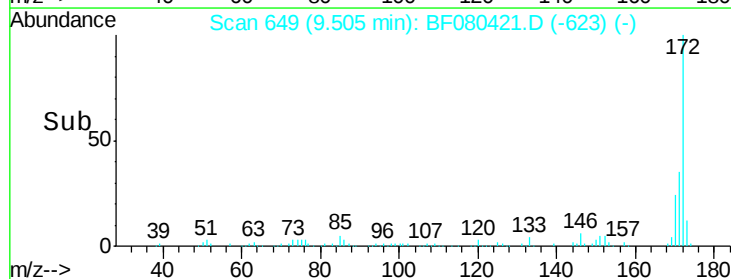
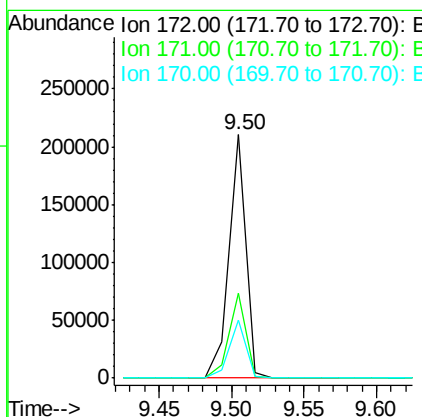
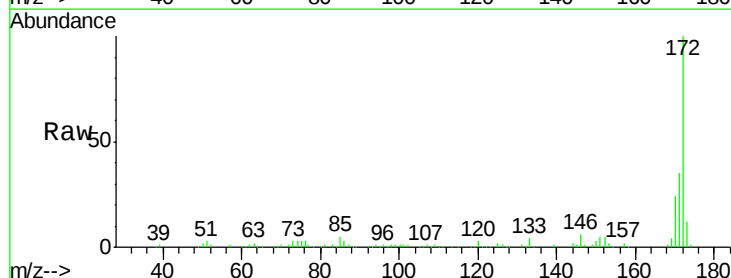
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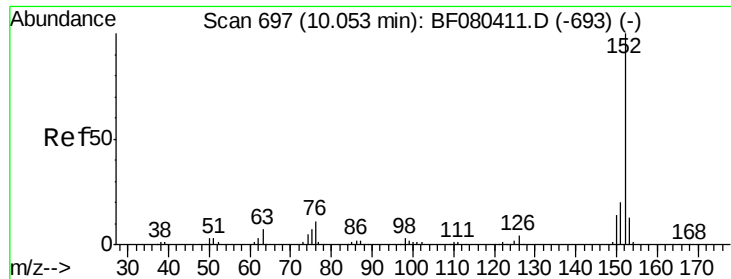
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#44
 2-Fluorobiphenyl
 Concen: 53.27 ng
 RT: 9.50 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF080421.D
 Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	170615		
171	34.7	28.4	42.6	
170	23.8	18.6	28.0	





#48

Acenaphthylene

Concen: 3.41 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Instrument :

BNA_F

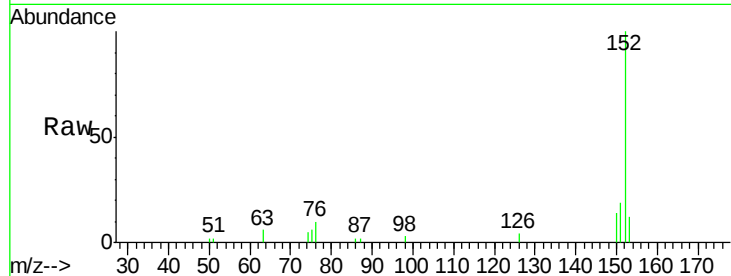
ClientSampleId :

TEC-B7DL

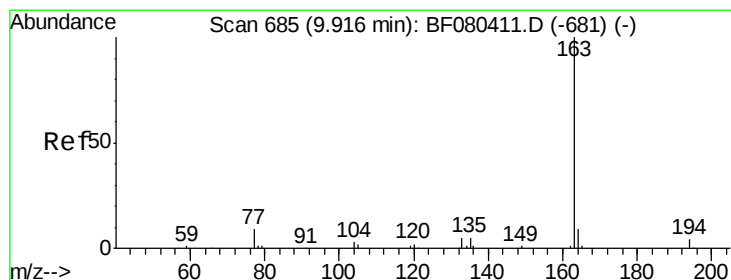
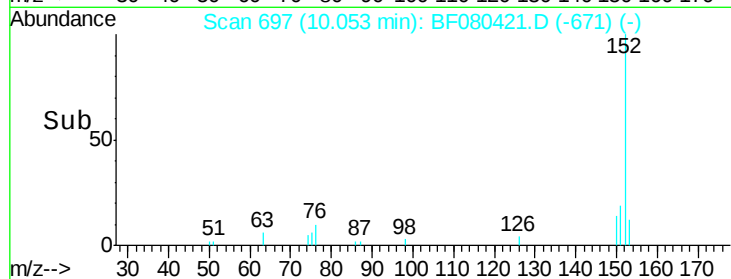
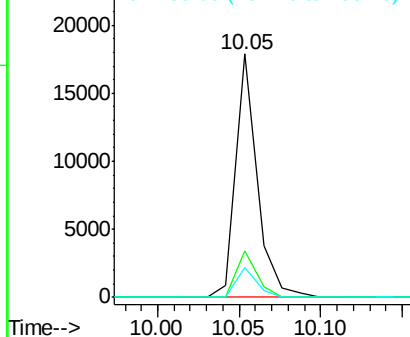
Tgt Ion:	152	Resp:	16173
Ion Ratio		Lower	Upper
152	100		
151	19.2	15.8	23.8
153	12.4	10.2	15.4

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



#49

Dimethylphthalate

Concen: 4.62 ng

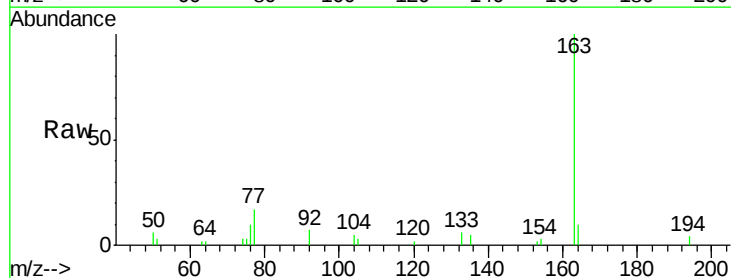
RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

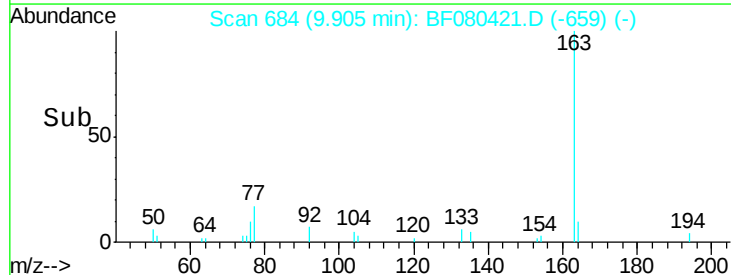
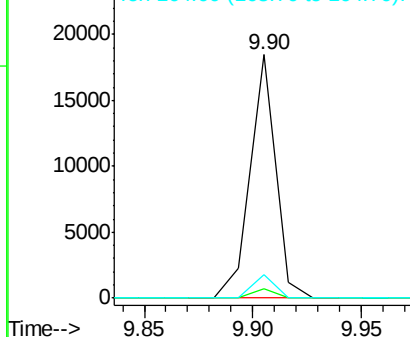
Lab File: BF080421.D

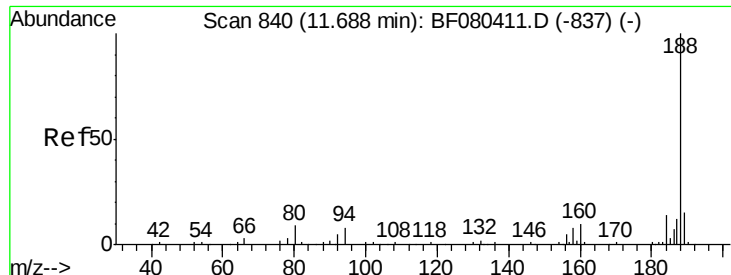
Acq: 11 Jul 2015 7:55

Tgt Ion:	163	Resp:	15065
Ion Ratio		Lower	Upper
163	100		
194	3.9	3.4	5.2
164	9.7	7.4	11.0



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





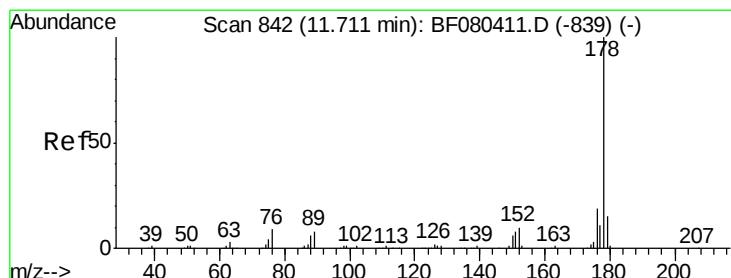
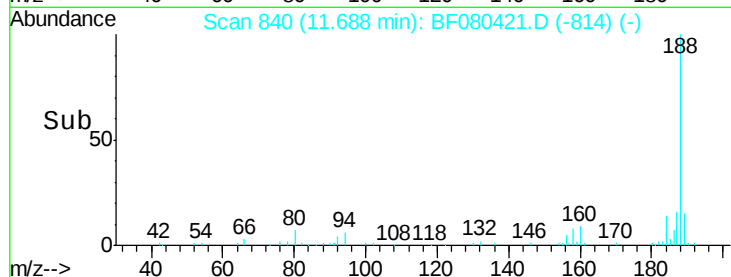
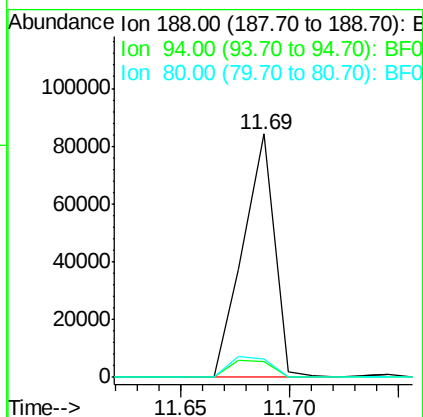
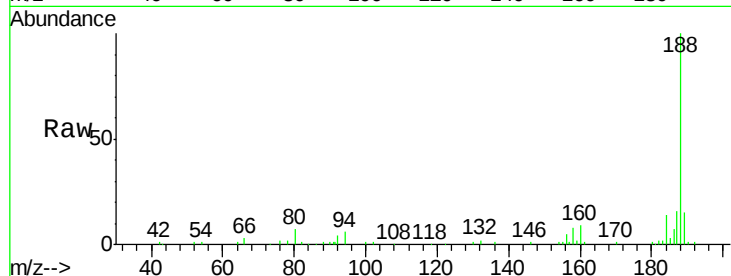
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.69 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Instrument :
BNA_F
ClientSampled :
TEC-B7DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.4	6.7	10.1#
80	7.4	7.5	11.3#

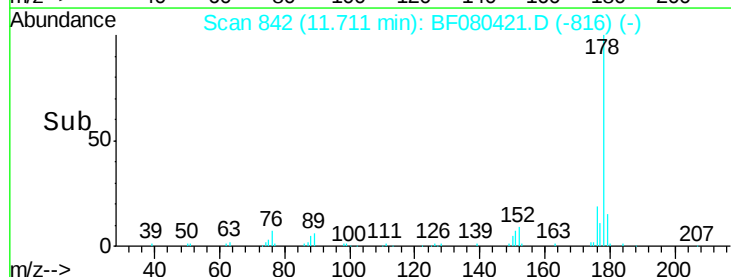
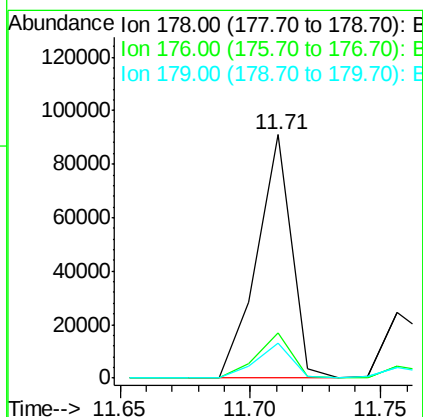
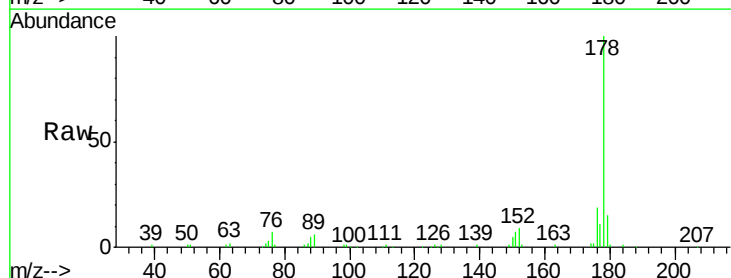
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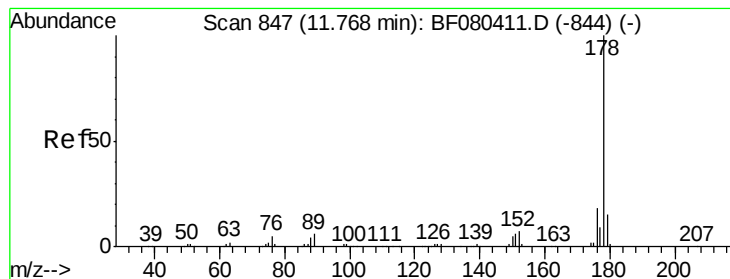
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#70
Phenanthrene
Concen: 16.55 ng
RT: 11.71 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.2	22.8
179	14.6	12.4	18.6





#71

Anthracene

Concen: 6.47 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Instrument :

BNA_F

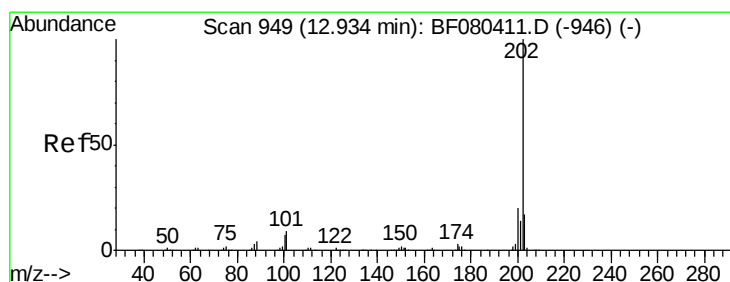
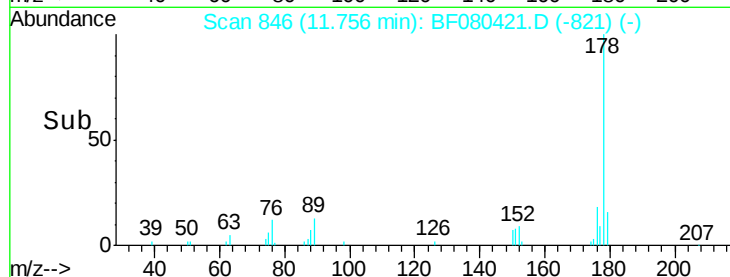
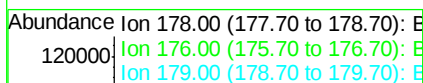
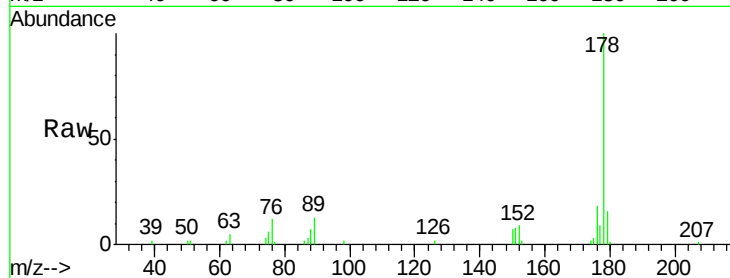
ClientSampleId :

TEC-B7DL

Tgt Ion:	178	Resp:	30608
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.2	21.4
179	16.3	11.6	17.4

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#74

Fluoranthene

Concen: 53.92 ng

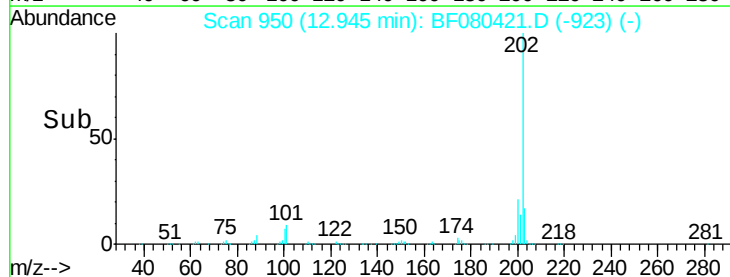
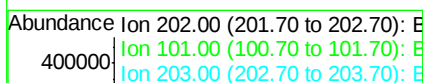
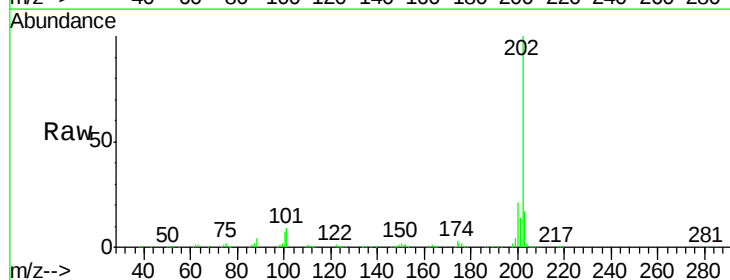
RT: 12.95 min Scan# 950

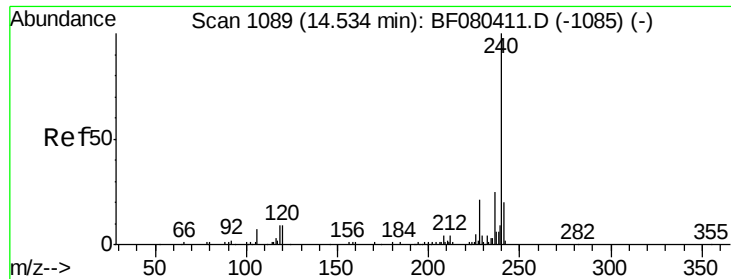
Delta R.T. 0.01 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Tgt Ion:	202	Resp:	285872
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	28.8
203	17.2	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.58 min Scan# 1093

Delta R.T. 0.05 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Instrument :

BNA_F

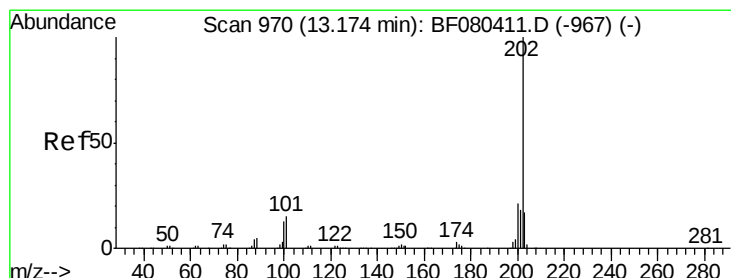
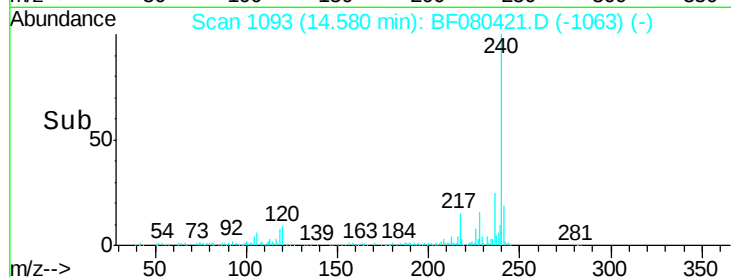
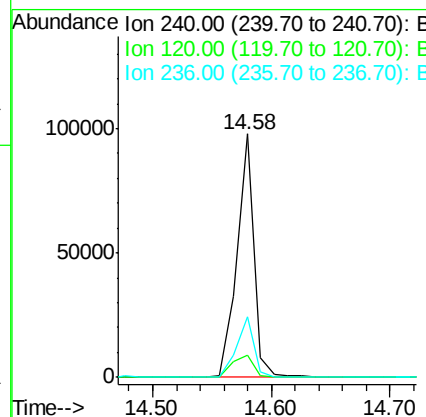
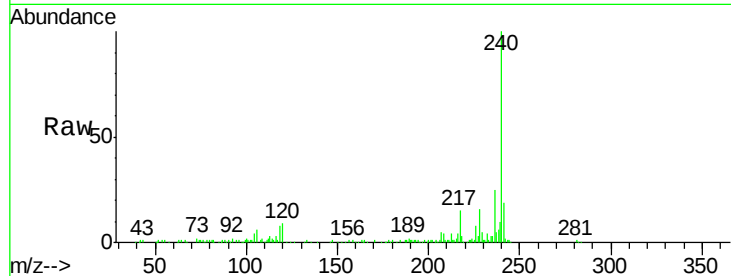
ClientSampled :

TEC-B7DL

Tgt Ion:	240	Resp:	97338
Ion Ratio	Lower	Upper	
240	100		
120	8.9	7.4	11.2
236	24.7	19.7	29.5

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#77

Pyrene

Concen: 39.72 ng

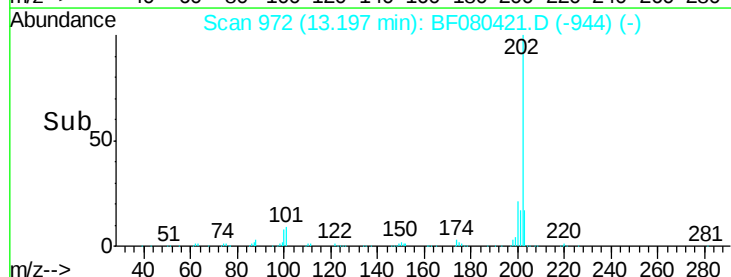
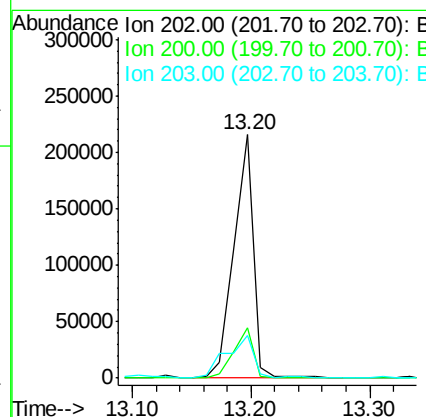
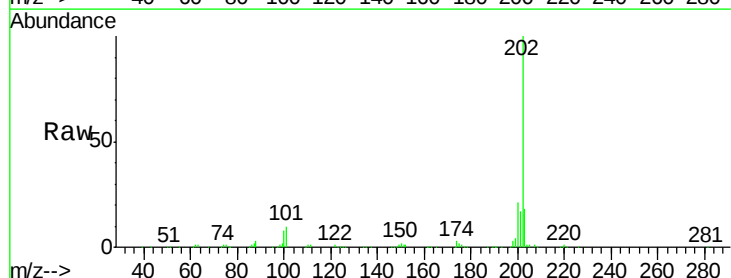
RT: 13.20 min Scan# 972

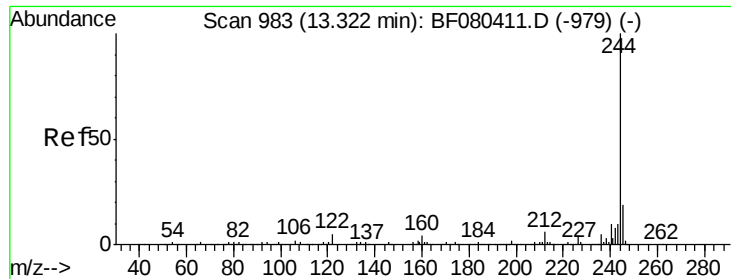
Delta R.T. 0.02 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Tgt Ion:	202	Resp:	247677
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.0	25.6
203	17.7	13.8	20.8





#78

Terphenyl-d14

Concen: 43.72 ng

RT: 13.33 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF080421.D

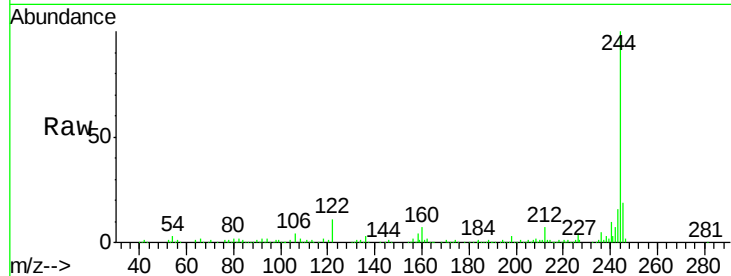
Acq: 11 Jul 2015 7:55

Instrument :

BNA_F

ClientSampleId :

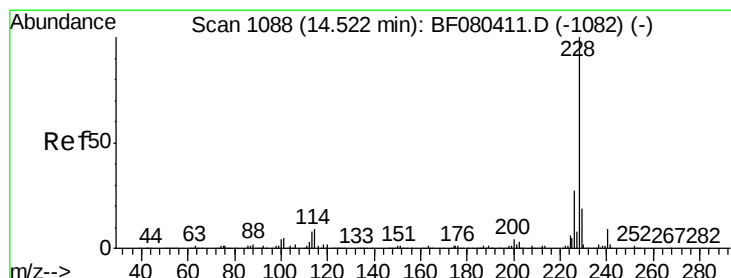
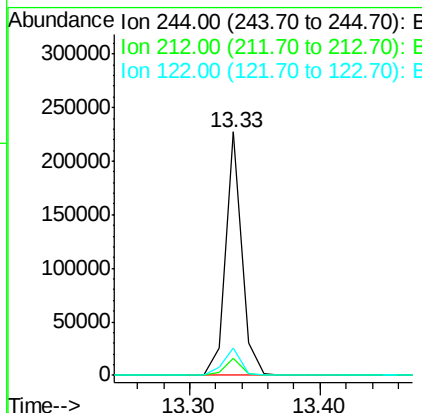
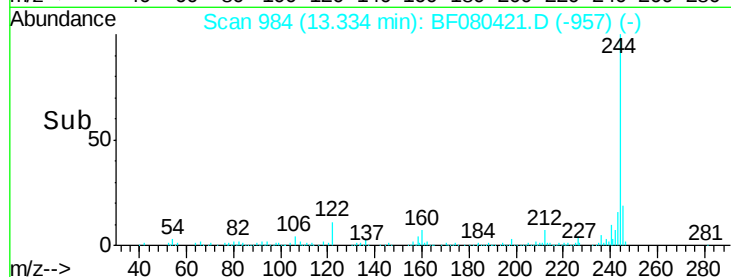
TEC-B7DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	4.9	7.3
122	11.0	4.1	6.1

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#80

Benzo(a)anthracene

Concen: 30.06 ng

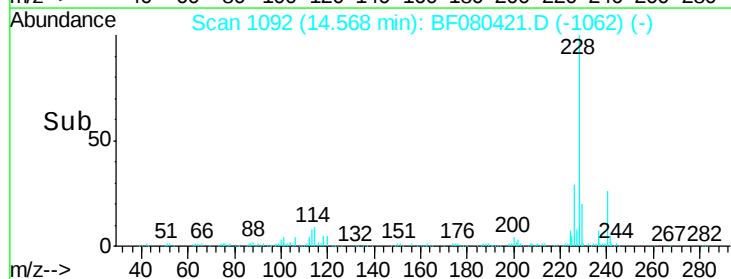
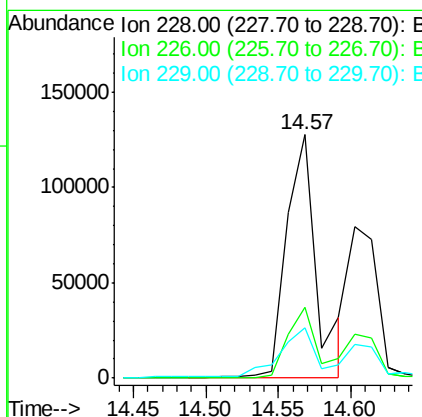
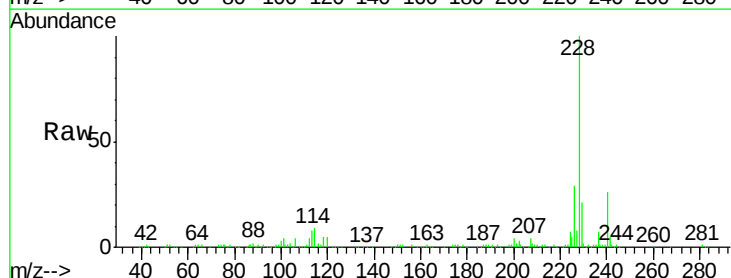
RT: 14.57 min Scan# 1092

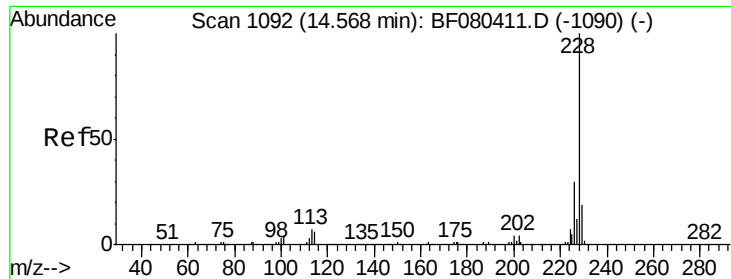
Delta R.T. 0.05 min

Lab File: BF080421.D

Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.3	21.7	32.5
229	20.7	15.5	23.3





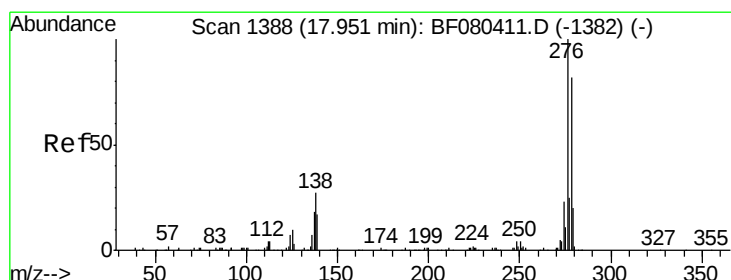
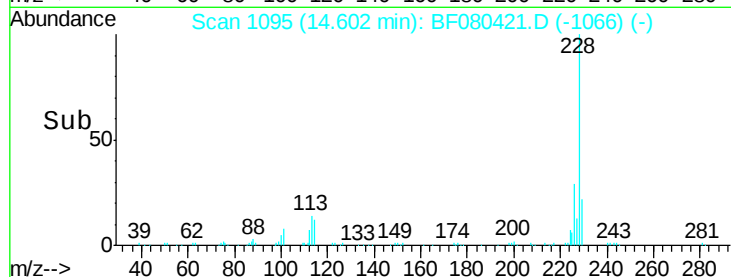
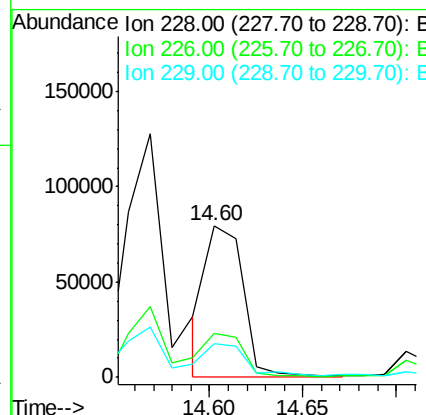
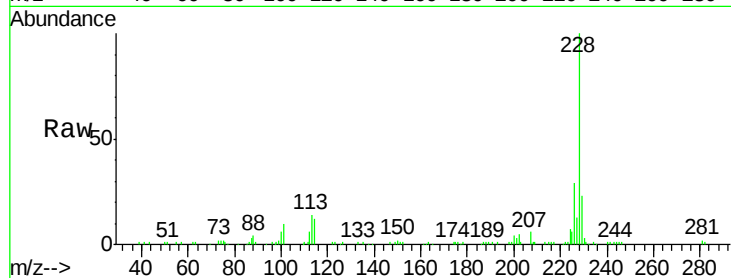
#82
Chrysene
Concen: 19.63 ng
RT: 14.60 min Scan# 1095
Delta R.T. 0.03 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Instrument :
BNA_F
ClientSampleId :
TEC-B7DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	110881		
226	29.0	24.3	36.5	
229	22.6	15.5	23.3	

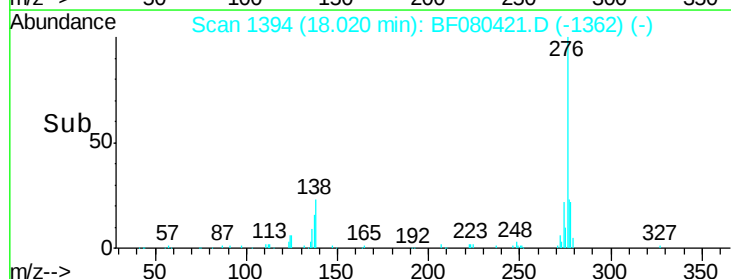
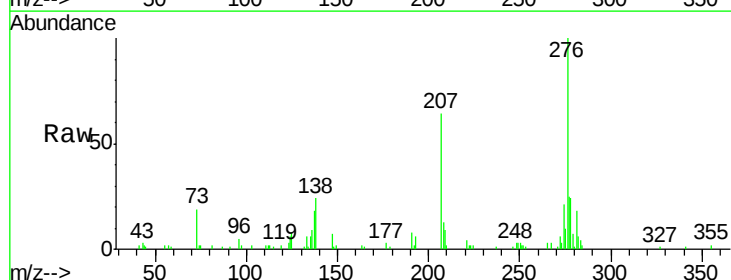
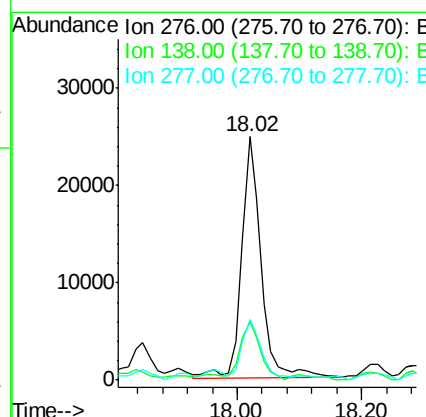
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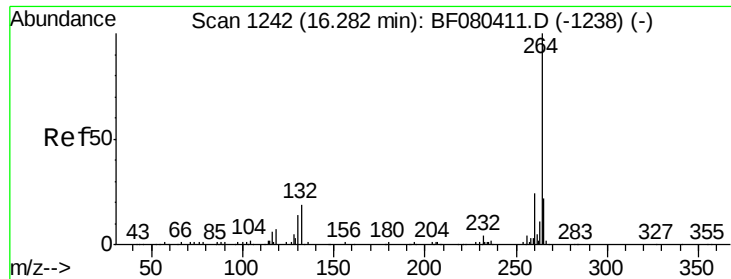
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.75 ng
RT: 18.02 min Scan# 1394
Delta R.T. 0.07 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	54394		
138	25.0	21.4	32.0	
277	22.3	19.5	29.3	





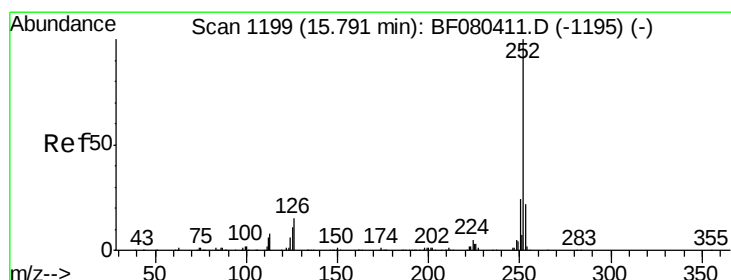
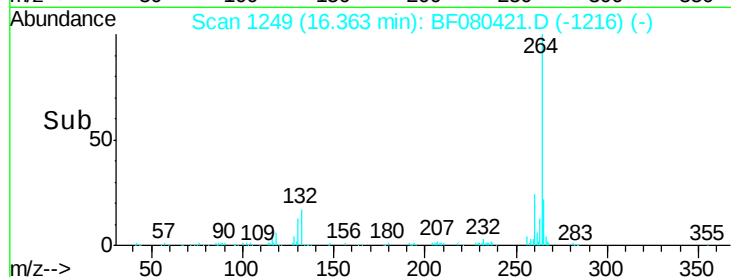
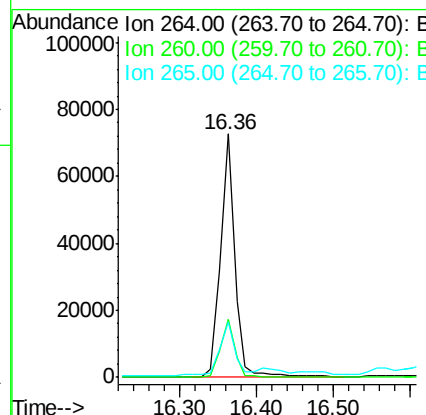
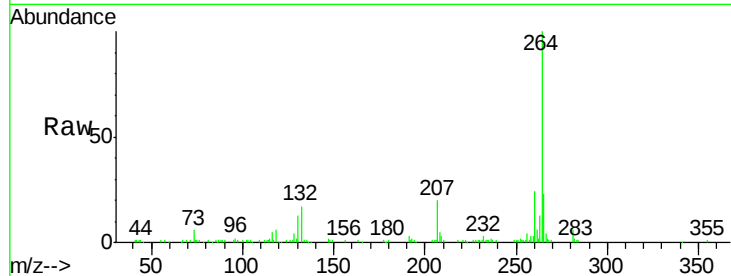
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.36 min Scan# 1249
Delta R.T. 0.08 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Instrument :
BNA_F
ClientSampleId :
TEC-B7DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.7	17.8	26.8

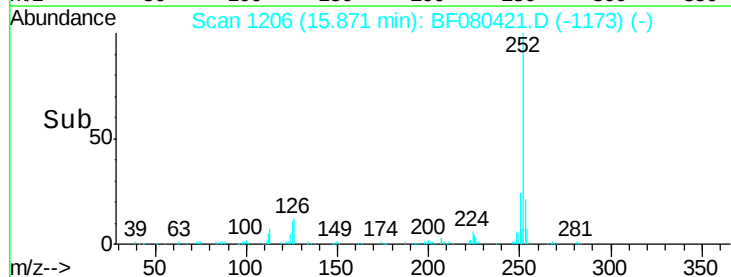
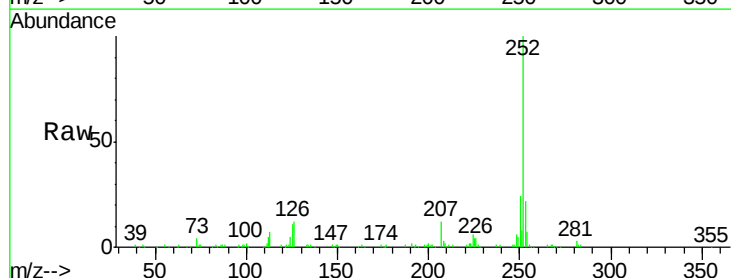
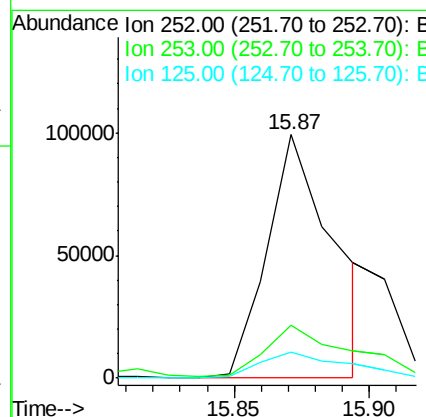
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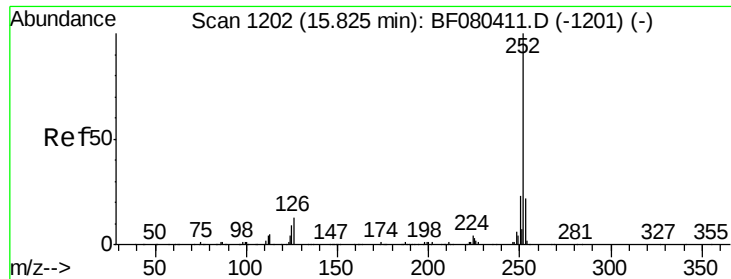
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#87
Benzo(b)fluoranthene
Concen: 25.83 ng m
RT: 15.87 min Scan# 1206
Delta R.T. 0.08 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	10.5	8.6	12.8





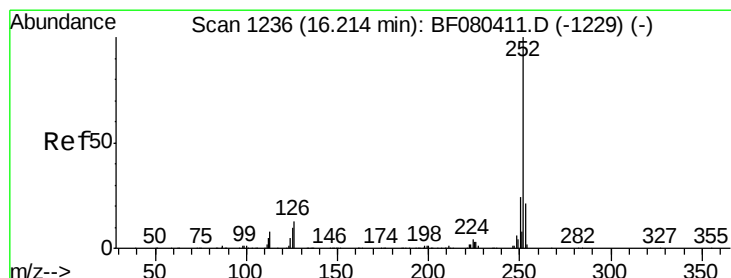
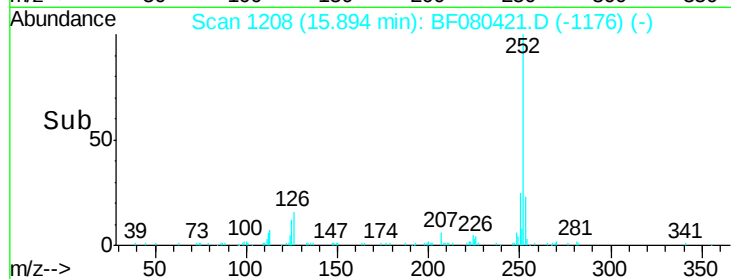
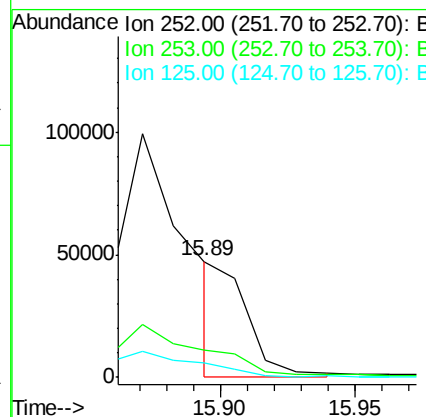
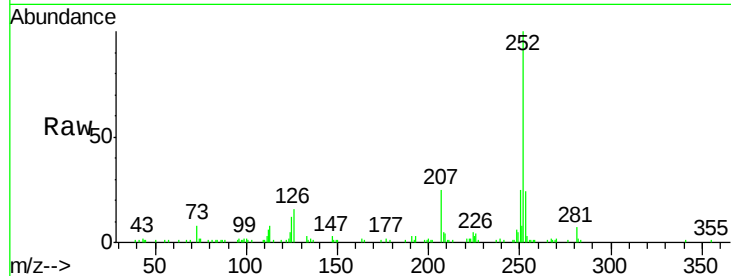
#88
Benzo(k)fluoranthene
Concen: 6.43 ng m
RT: 15.89 min Scan# 1208
Delta R.T. 0.07 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Instrument :
BNA_F
ClientSampleId :
TEC-B7DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.7	26.5
125	12.2	8.4	12.6

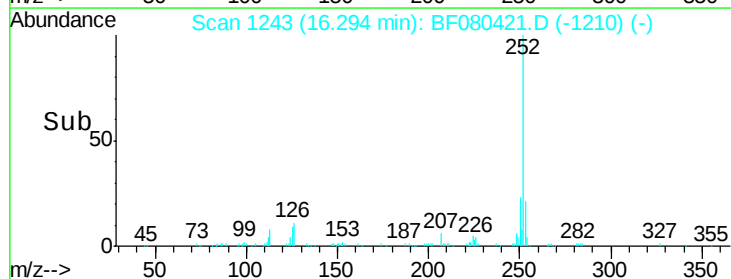
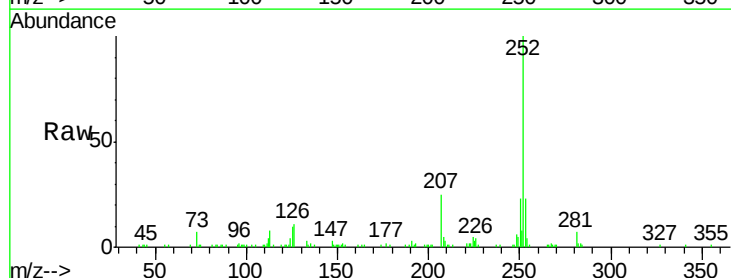
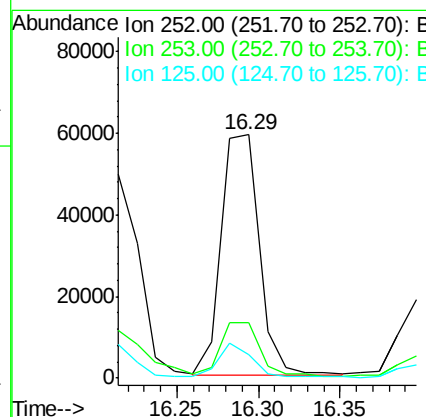
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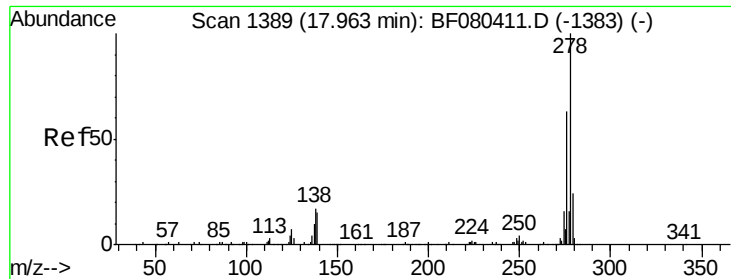
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#89
Benzo(a)pyrene
Concen: 16.51 ng
RT: 16.29 min Scan# 1243
Delta R.T. 0.08 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.5	8.1	12.1





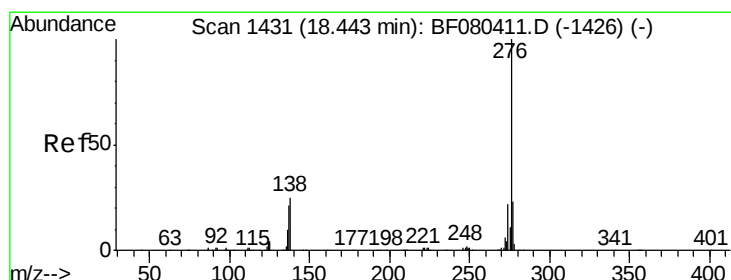
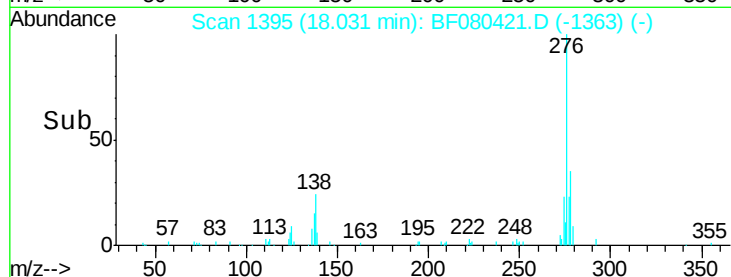
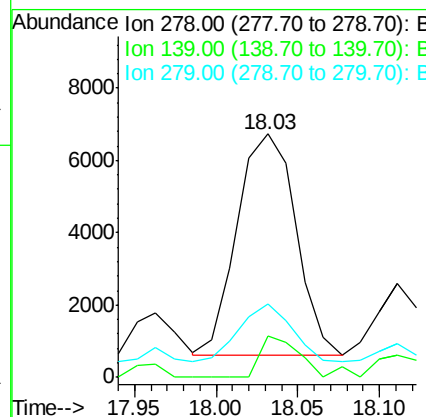
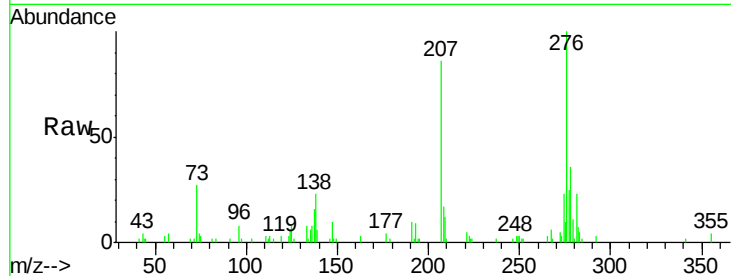
#90
Dibenzo(a,h)anthracene
Concen: 2.66 ng
RT: 18.03 min Scan# 1395
Delta R.T. 0.07 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Instrument :
BNA_F
ClientSampleId :
TEC-B7DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	11.8	17.8
279	30.0	18.8	28.2#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.60 ng
RT: 18.52 min Scan# 1438
Delta R.T. 0.08 min
Lab File: BF080421.D
Acq: 11 Jul 2015 7:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.2	27.4
138	24.5	20.3	30.5

