

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080617.D
 Acq On : 24 Jul 2015 3:57
 Operator : TP/UM
 Sample : G3054-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Manual Integrations
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Quant Time: Jul 24 13:52:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 01:01:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	41215	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	150488	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	67198	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	116473	20.00	ng	0.00
75) Chrysene-d12	14.20	240	157622	20.00	ng	0.02
86) Perylene-d12	15.80	264	192229	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	30761	12.89	ng	0.00
7) Phenol-d6	6.56	99	46697	16.01	ng	0.00
23) Nitrobenzene-d5	7.50	82	30183	11.36	ng	0.00
41) 2,4,6-Tribromophenol	10.77	330	2305	4.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	63342	13.68	ng	0.00
78) Terphenyl-d14	13.08	244	63164	8.39	ng	0.01
Target Compounds						Qvalue
6) Aniline	6.60	93	13479	3.16	ng	# 94
24) Nitrobenzene	7.53	77	12876	4.54	ng	91
49) Dimethylphthalate	9.71	163	10691	2.16	ng	99
70) Phenanthrene	11.50	178	85372	12.99	ng	98
71) Anthracene	11.55	178	15973m	2.59	ng	
72) Carbazole	11.71	167	10815	2.03	ng	# 94
74) Fluoranthene	12.69	202	140335	23.85	ng	99
77) Pyrene	12.93	202	120394	11.38	ng	98
80) Benzo(a)anthracene	14.19	228	70825	7.97	ng	97
82) Chrysene	14.24	228	70807m	8.01	ng	
85) Indeno(1,2,3-cd)pyrene	17.30	276	53679	8.02	ng	# 92
87) Benzo(b)fluoranthene	15.37	252	104856m	8.97	ng	
88) Benzo(k)fluoranthene	15.39	252	39034m	3.35	ng	
89) Benzo(a)pyrene	15.75	252	73788	7.11	ng	97
91) Benzo(g,h,i)perylene	17.76	276	58024	5.80	ng	# 91

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

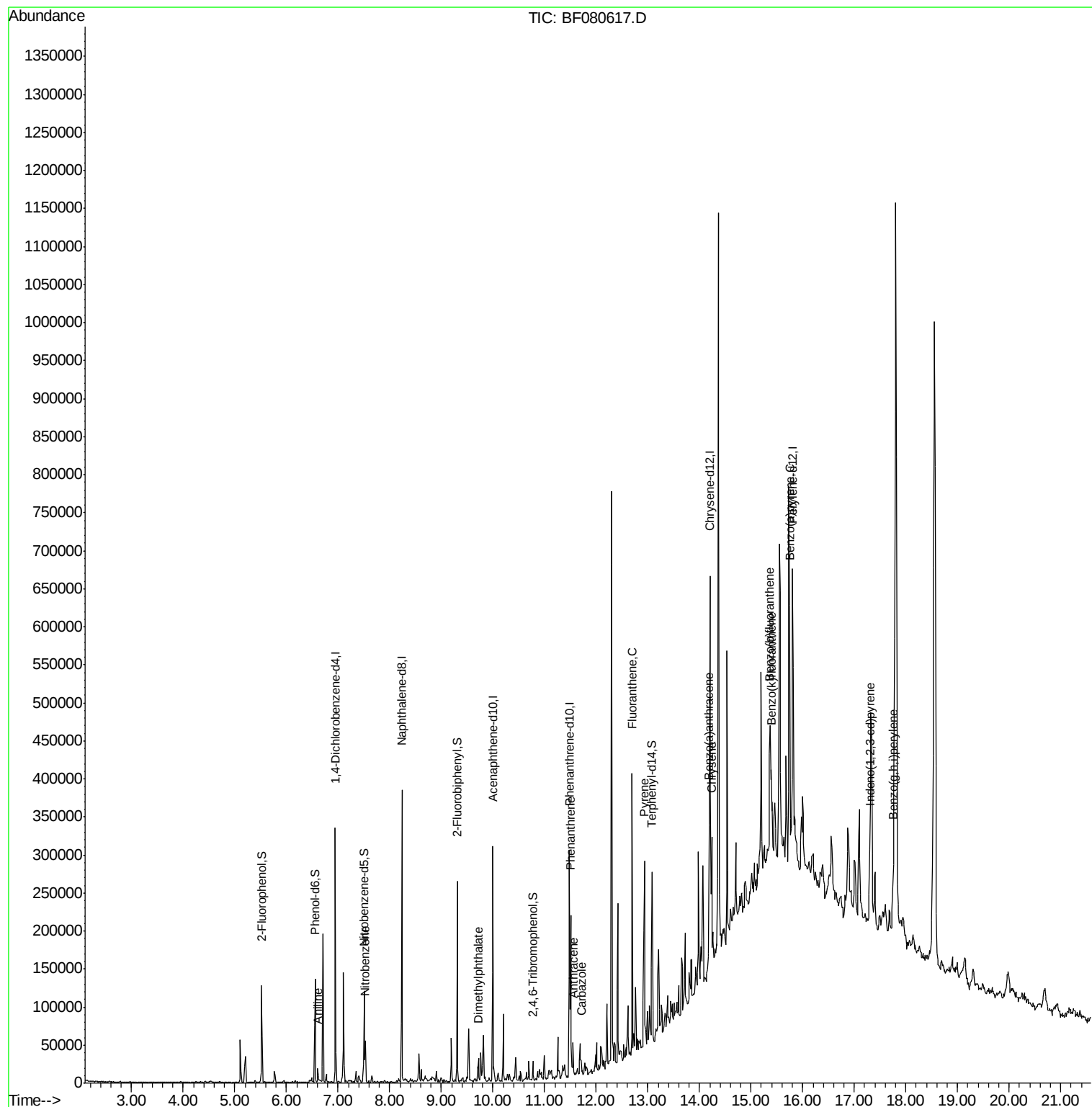
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080617.D
Acq On : 24 Jul 2015 3:57
Operator : TP/UM
Sample : G3054-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

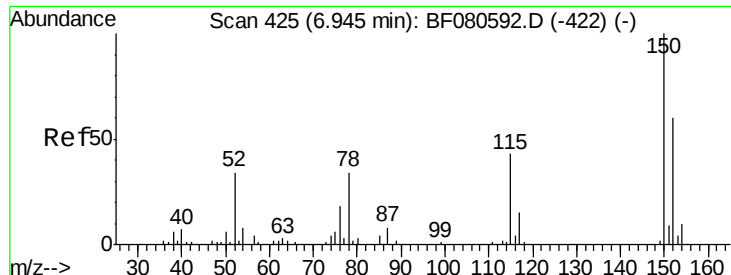
Instrument :
BNA_F
ClientSampleId :
CONC1

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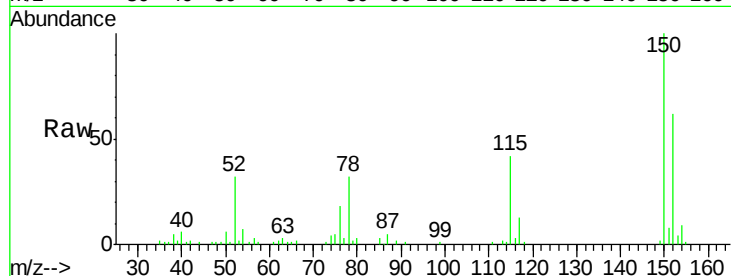
Quant Time: Jul 24 13:52:31 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 24 01:01:51 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

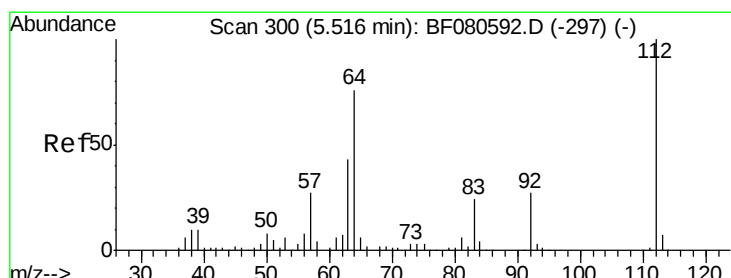
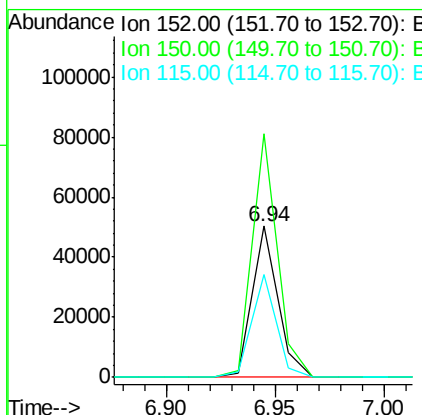
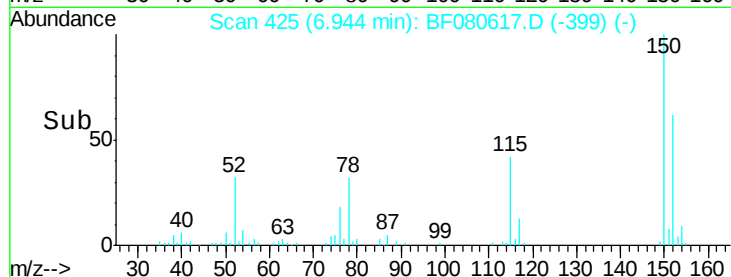
Instrument :
 BNA_F
 ClientSampled :
 CONC1



Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.4	128.7	193.1
115	67.8	56.8	85.2

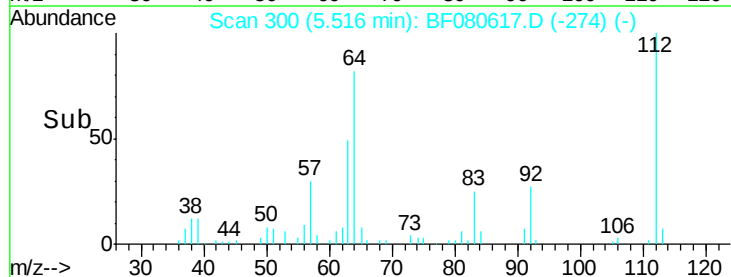
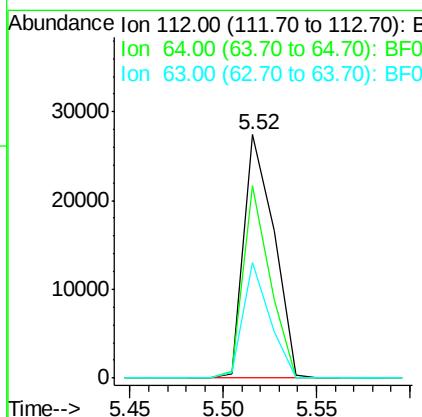
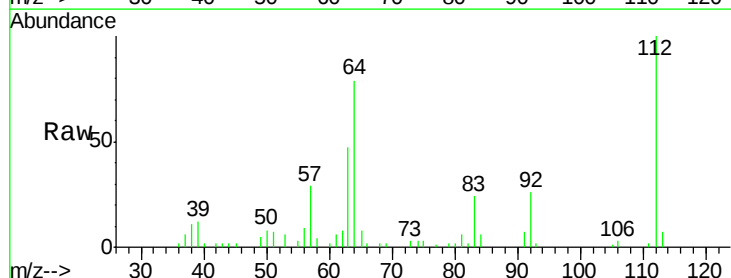
Manual Integrations
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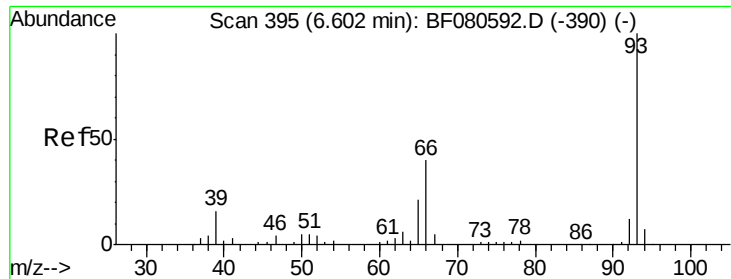
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#5
 2-Fluorophenol
 Concen: 12.89 ng
 RT: 5.52 min Scan# 300
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	79.1	60.2	90.2
63	47.4	34.8	52.2





#6

Aniline

Concen: 3.16 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF080617.D

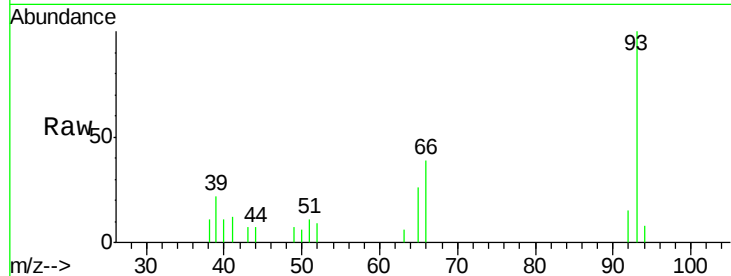
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Instrument :

BNA_F

ClientSampled :

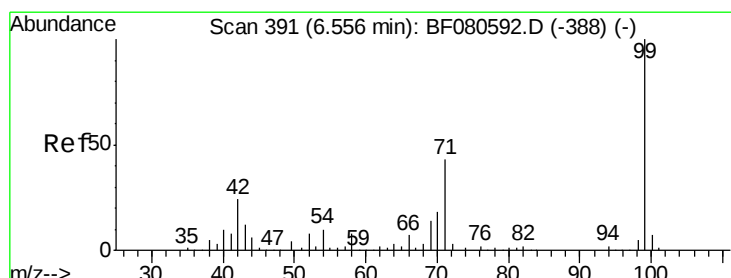
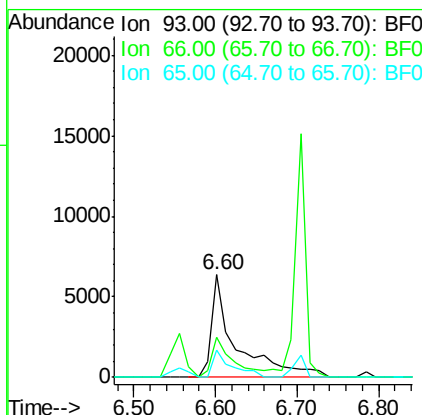
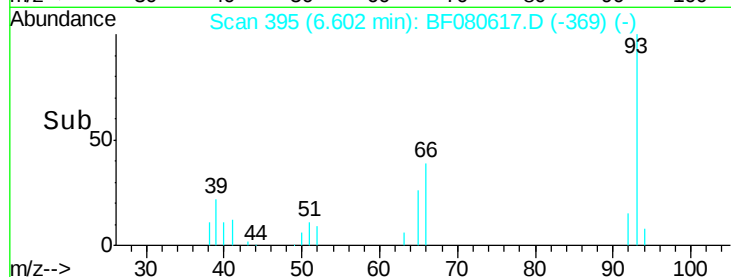
CONC1



Tgt Ion:	93	Resp:	13479
Ion Ratio	Lower	Upper	
93	100		
66	38.8	33.1	49.7
65	26.4	17.2	25.8

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#7

Phenol-d6

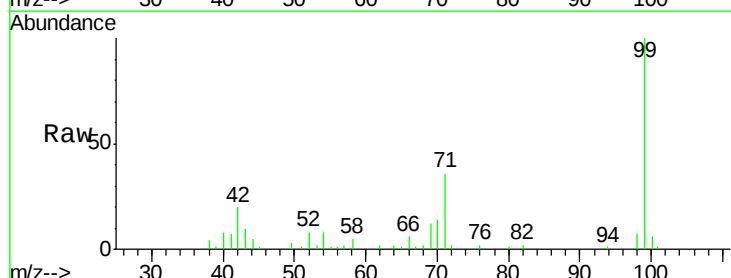
Concen: 16.01 ng

RT: 6.56 min Scan# 391

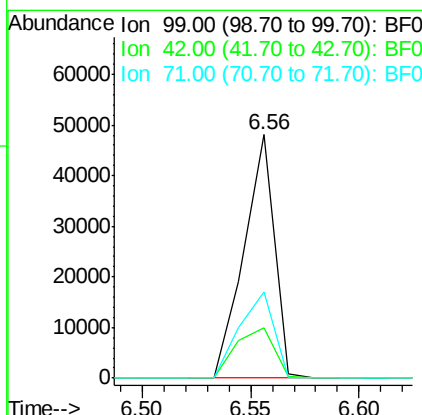
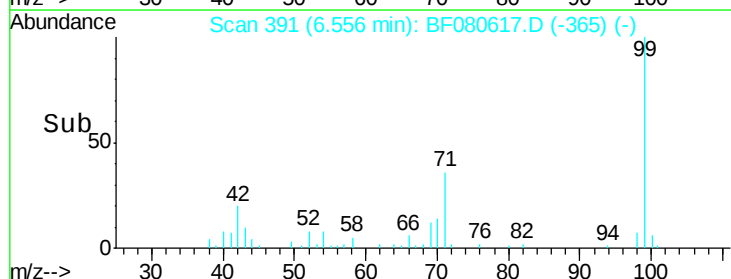
Delta R.T. 0.00 min

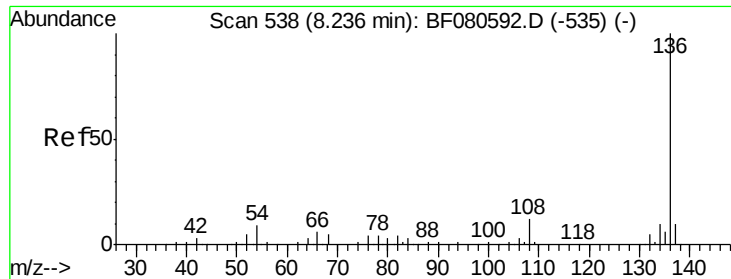
Lab File: BF080617.D

Acq: 24 Jul 2015 3:57



Tgt Ion:	99	Resp:	46697
Ion Ratio	Lower	Upper	
99	100		
42	20.4	17.4	26.2
71	35.6	29.0	43.6





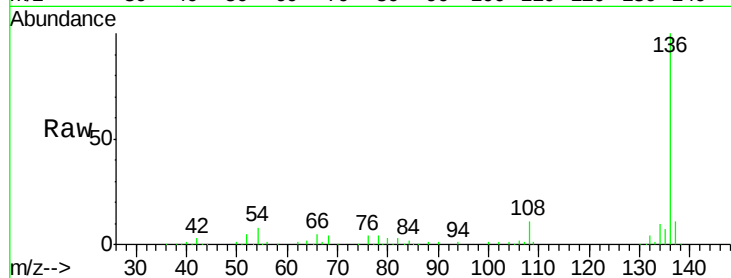
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampled :
CONC1

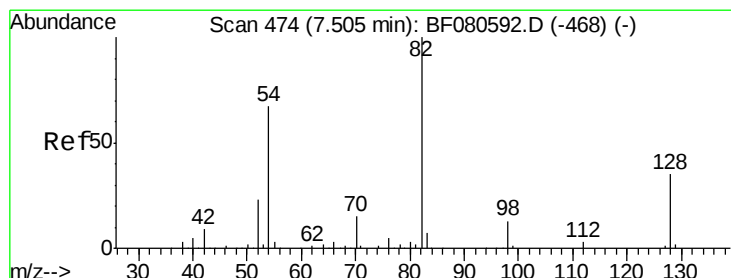
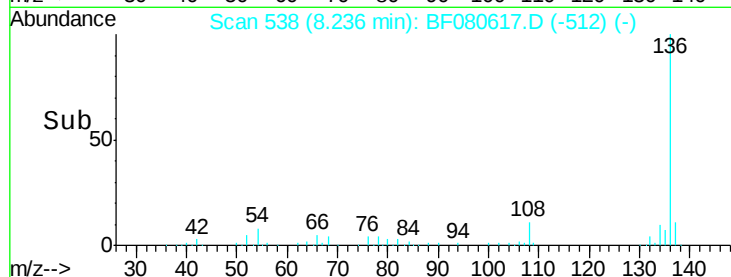
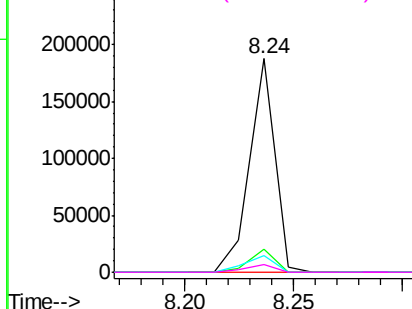
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	150488		
137	10.7	7.8	11.8	
54	7.7	7.2	10.8	
68	3.8	3.8	5.6	

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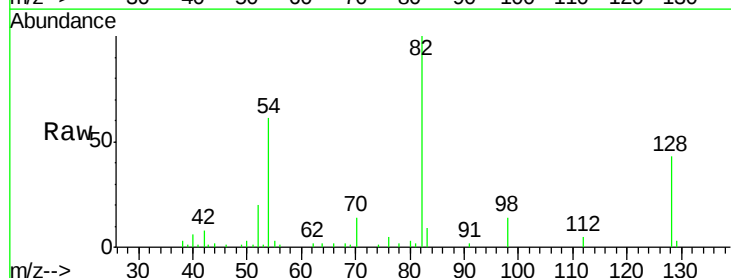


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

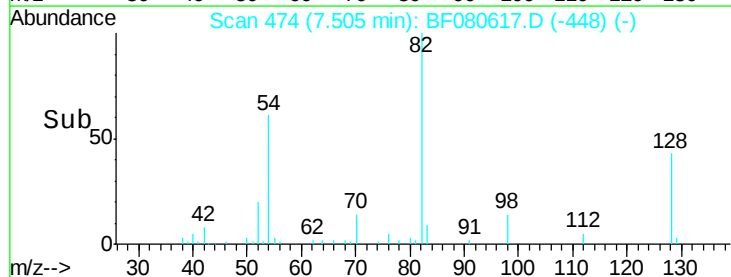
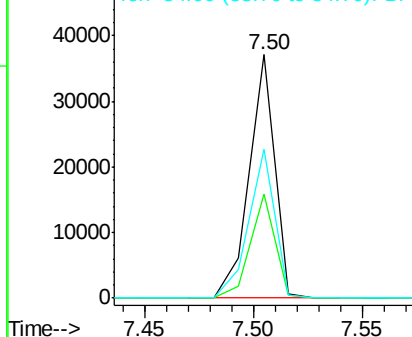


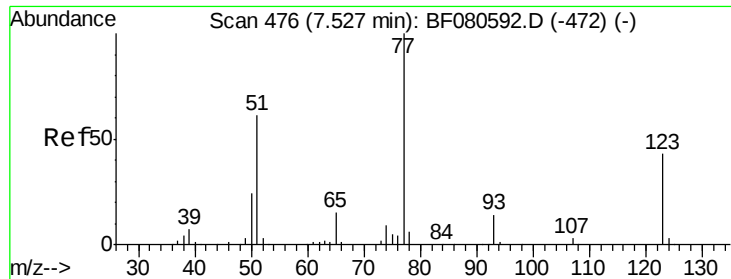
#23
Nitrobenzene-d5
Concen: 11.36 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	30183		
128	42.8	28.9	43.3	
54	61.3	54.5	81.7	



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





#24

Nitrobenzene

Concen: 4.54 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF080617.D

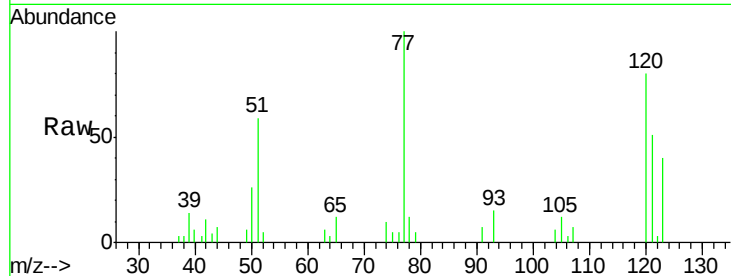
Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampled :

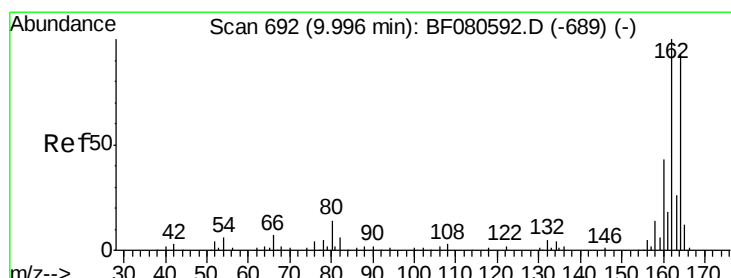
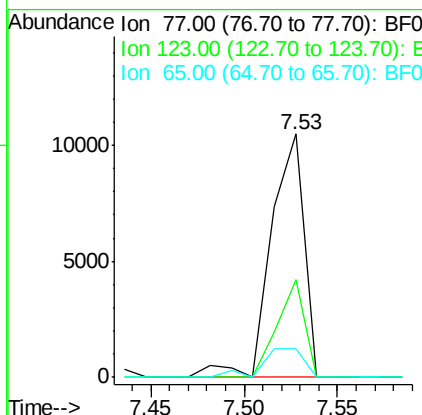
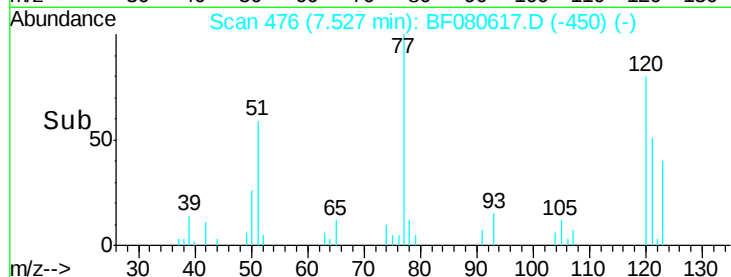
CONC1



Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.0	37.1	55.7
65	11.8	11.4	17.2

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#38

Acenaphthene-d10

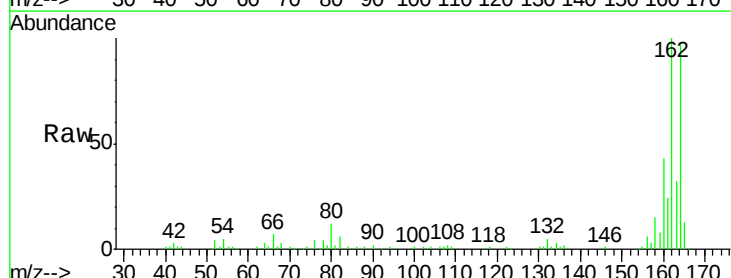
Concen: 20.00 ng

RT: 10.00 min Scan# 692

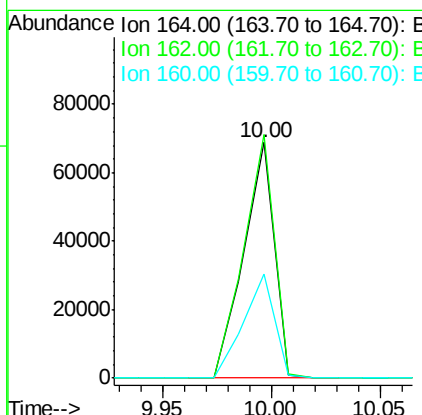
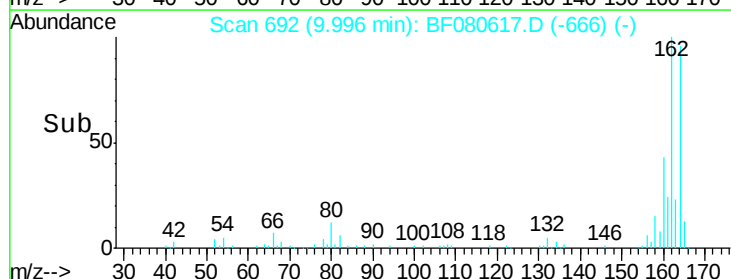
Delta R.T. 0.00 min

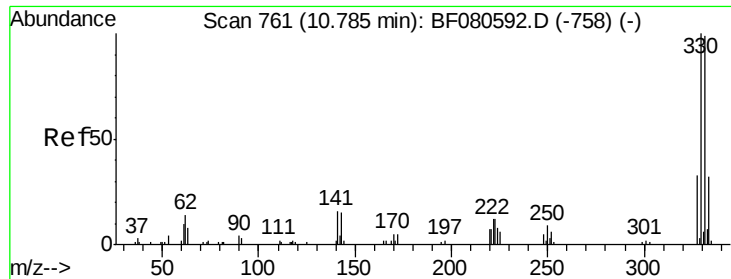
Lab File: BF080617.D

Acq: 24 Jul 2015 3:57



Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.2	123.4
160	44.3	36.1	54.1





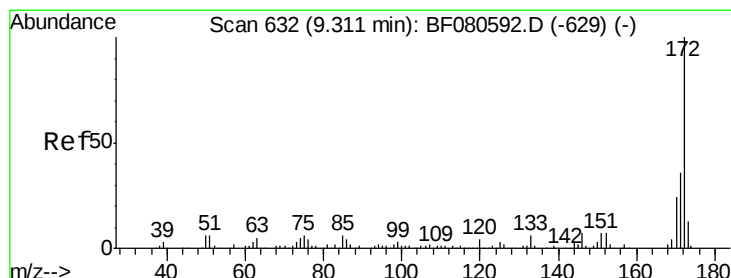
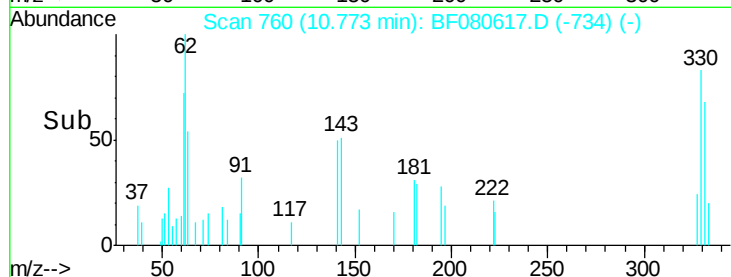
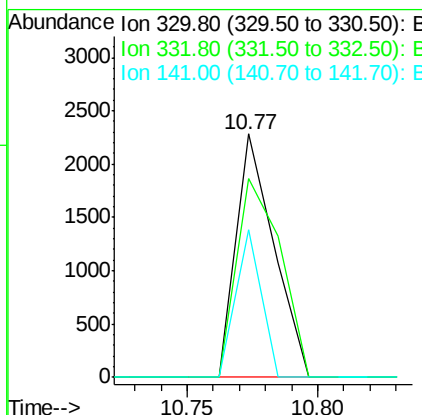
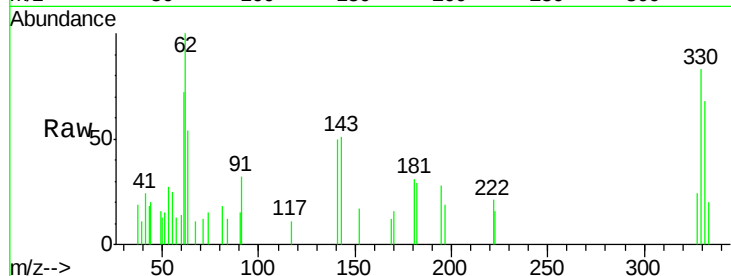
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 2,4,6-Tribromophenol
 Concen: 4.33 ng
 RT: 10.77 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampled :
 CONC1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	78.3	117.5
141	41.3	37.9	56.9

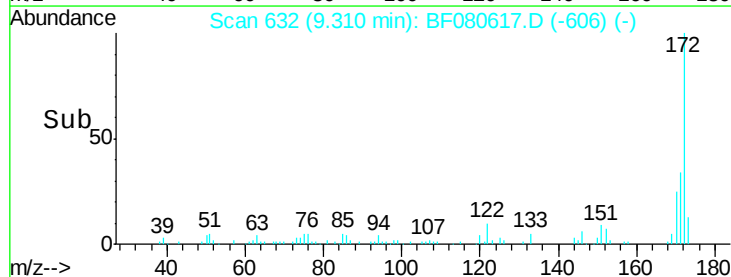
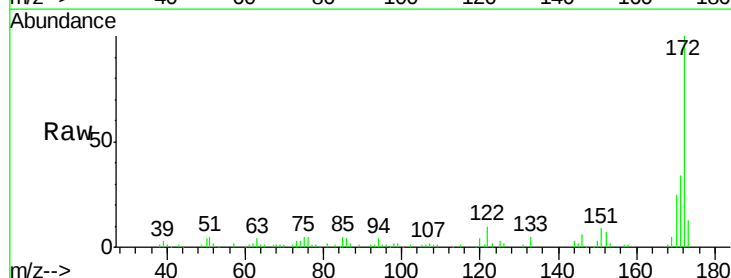
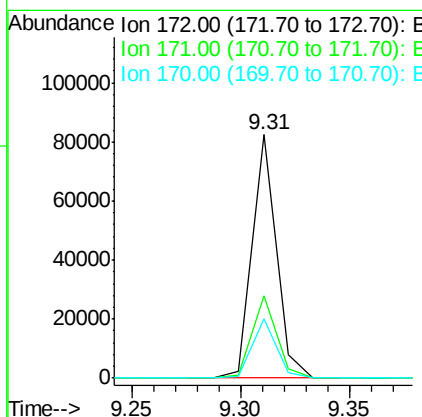
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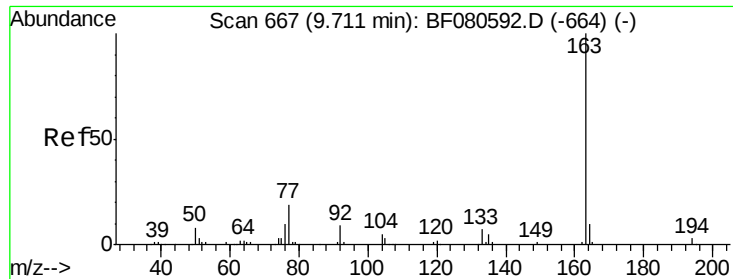
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#44
 2-Fluorobiphenyl
 Concen: 13.68 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.7	41.5
170	24.6	19.1	28.7





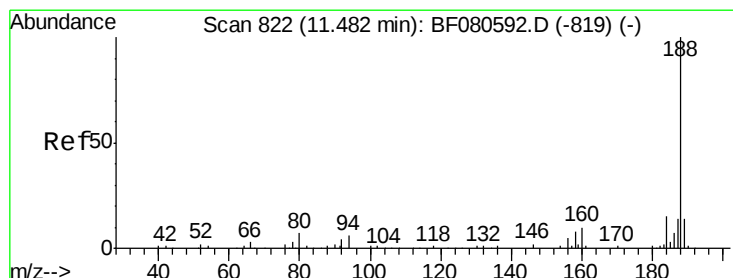
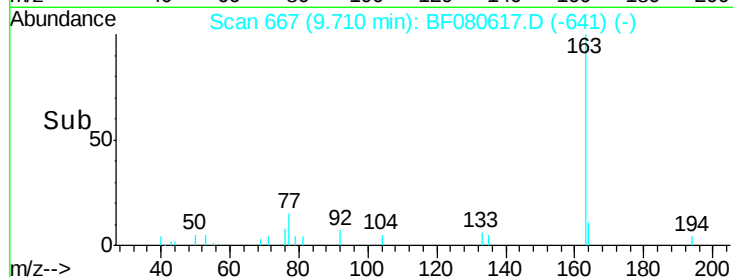
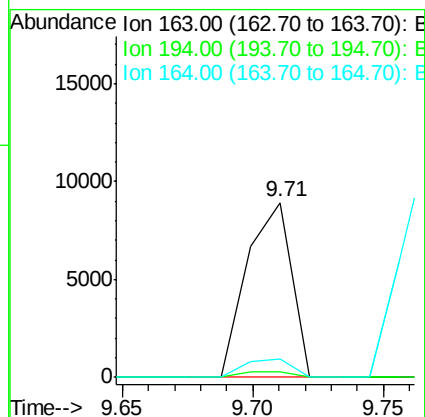
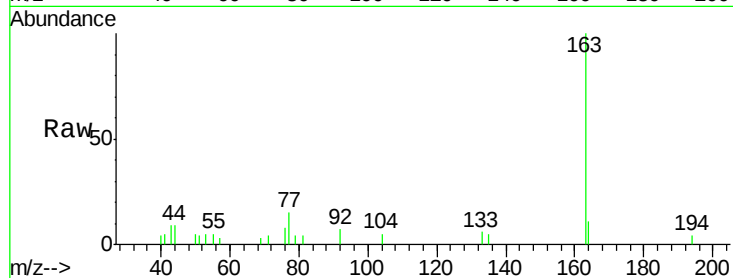
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Dimethylphthalate
Concen: 2.16 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.5	2.5	3.7
164	10.6	8.1	12.1

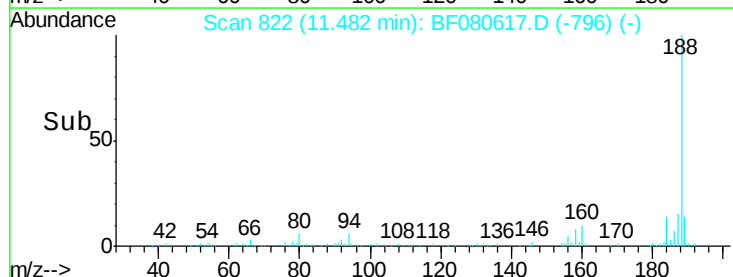
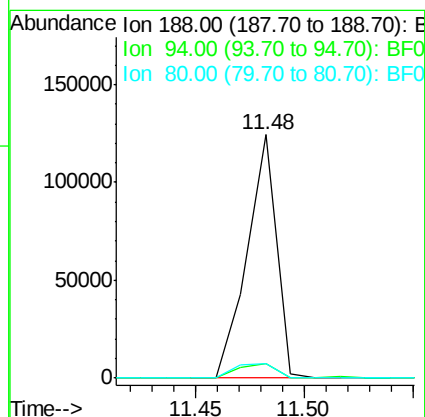
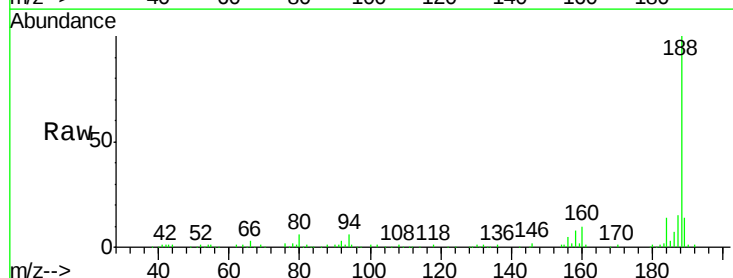
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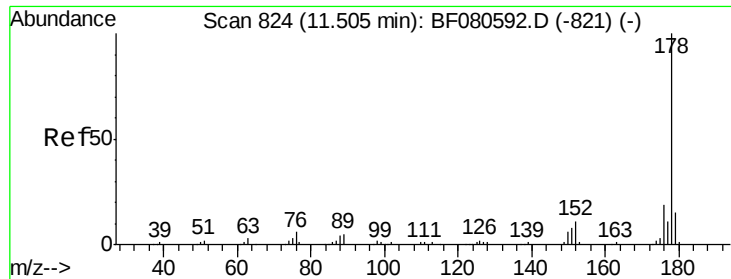
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.8	6.1	9.1#
80	5.9	7.0	10.6#





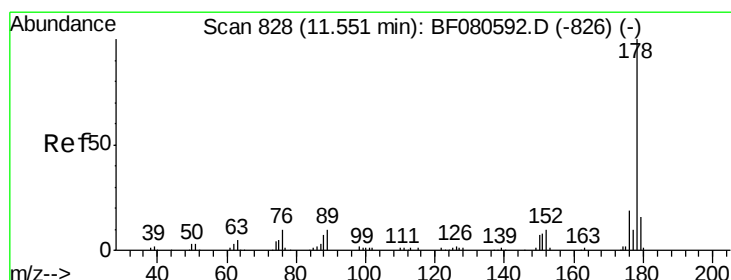
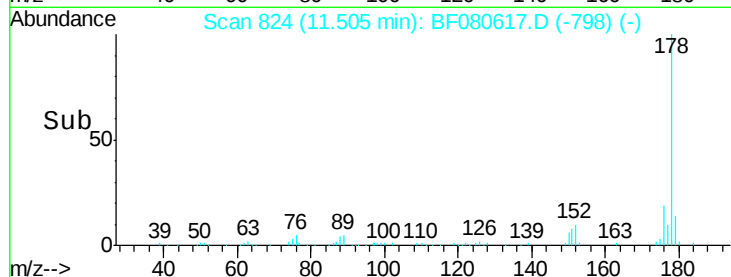
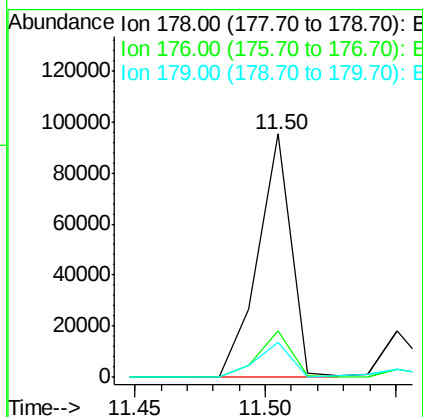
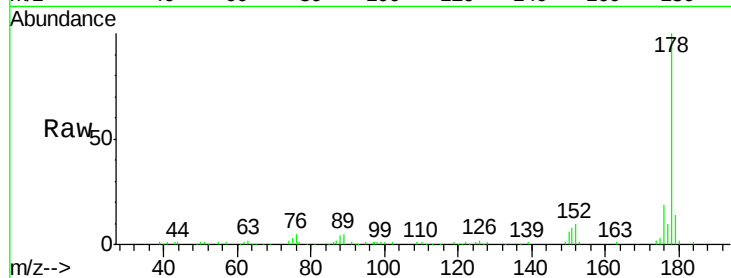
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Phenanthrene
Concen: 12.99 ng
RT: 11.50 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Instrument :
BNA_F
ClientSampleId :
CONC1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	14.1	12.5	18.7

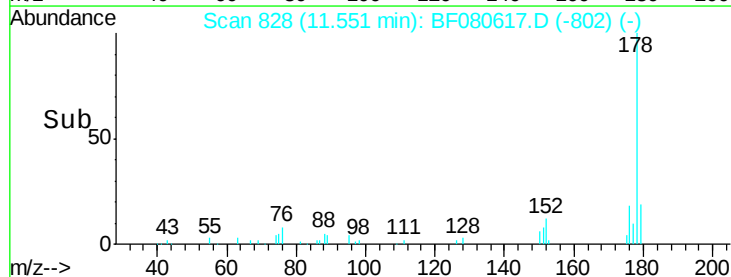
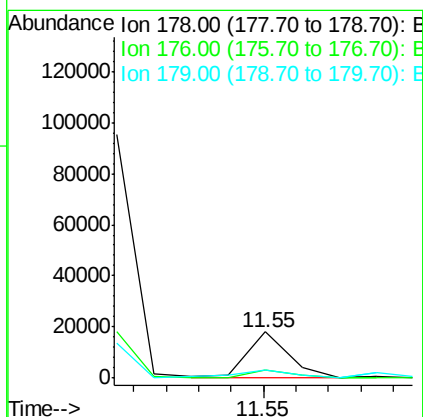
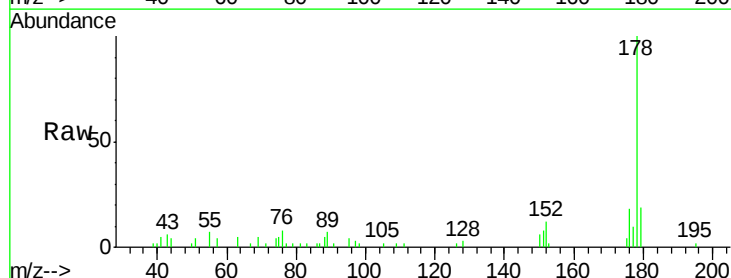
Manual Integrations
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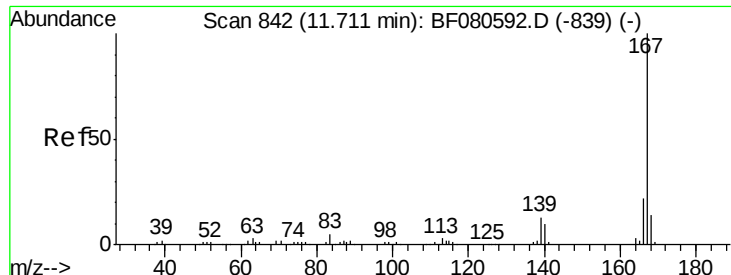
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#71
Anthracene
Concen: 2.59 ng m
RT: 11.55 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF080617.D
Acq: 24 Jul 2015 3:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	18.8	12.0	18.0#





#72

Carbazole

Concen: 2.03 ng

RT: 11.71 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF080617.D

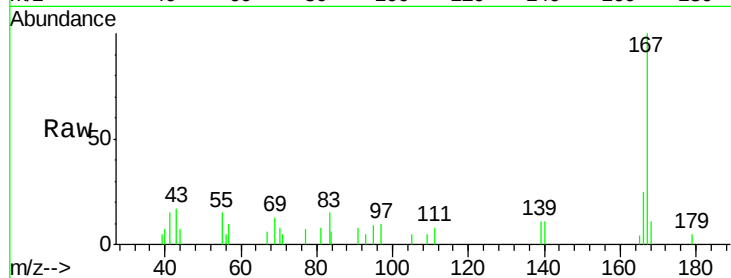
Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampled :

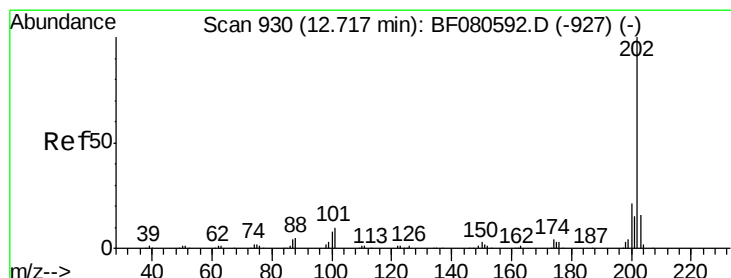
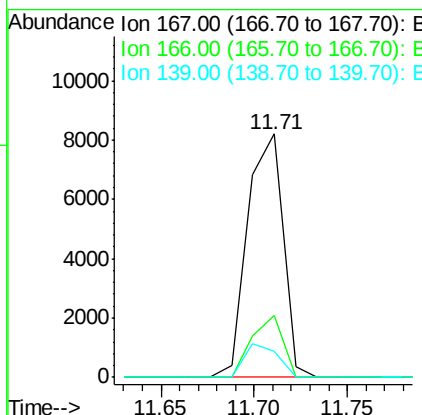
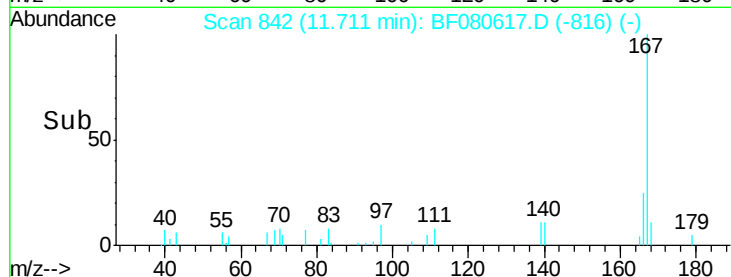
CONC1



Tgt Ion:	167	Resp:	10815
Ion Ratio	Lower	Upper	
167	100		
166	25.5	18.1	27.1
139	10.6	10.7	16.1#

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#74

Fluoranthene

Concen: 23.85 ng

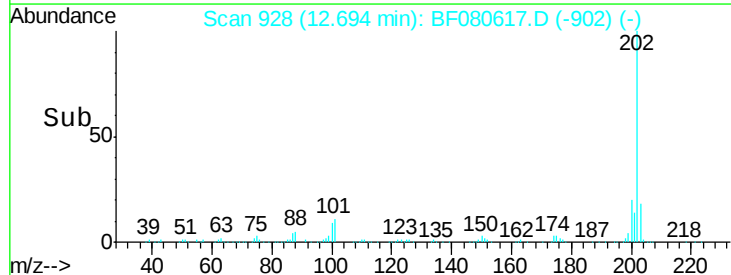
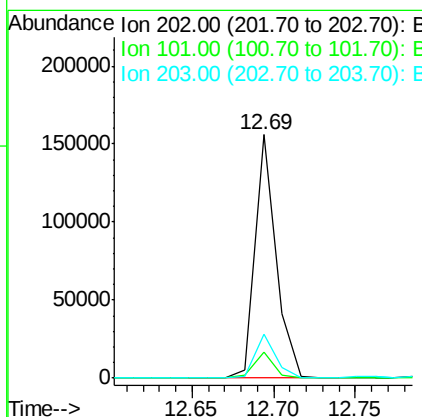
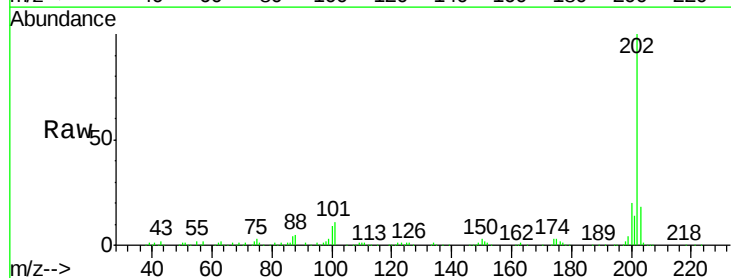
RT: 12.69 min Scan# 928

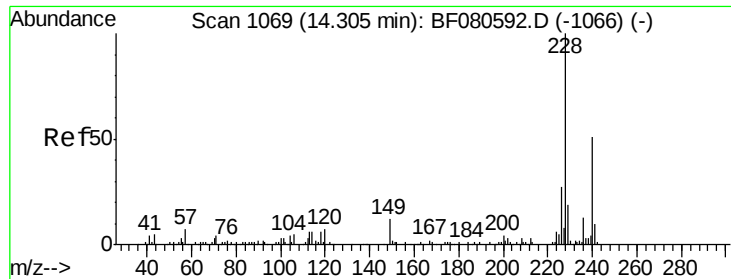
Delta R.T. 0.00 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Tgt Ion:	202	Resp:	140335
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.1
203	17.8	0.0	37.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1060

Delta R.T. 0.02 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

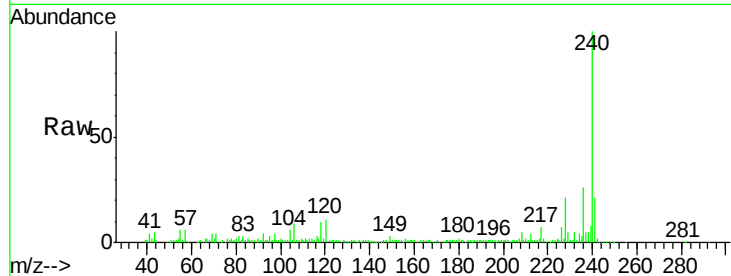
ClientSampleId :

CONC1

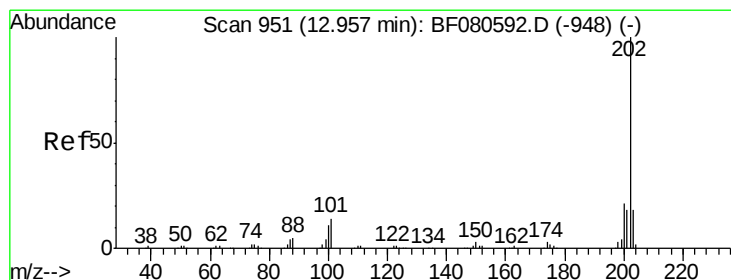
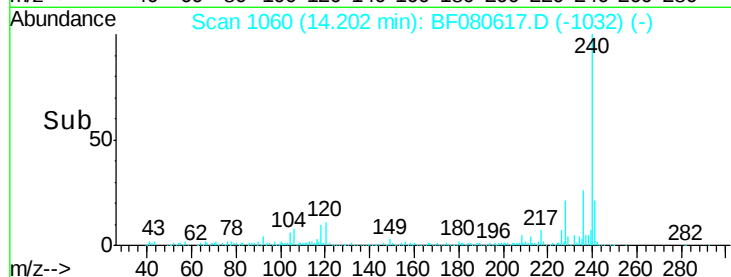
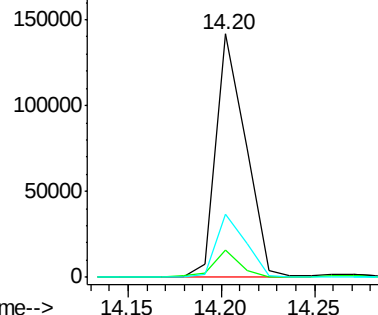
Tgt Ion:	240	Resp:	157622
Ion Ratio		Lower	Upper
240	100		
120	11.2	9.9	14.9
236	26.1	19.1	28.7

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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

Pyrene

Concen: 11.38 ng

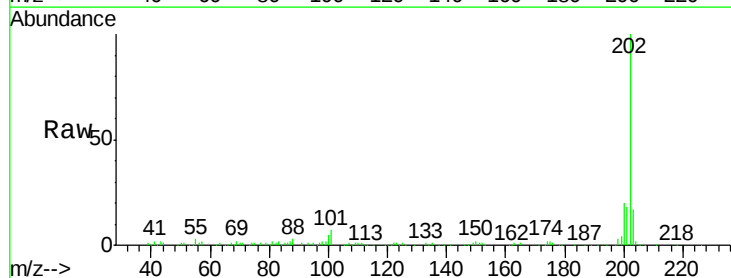
RT: 12.93 min Scan# 949

Delta R.T. 0.01 min

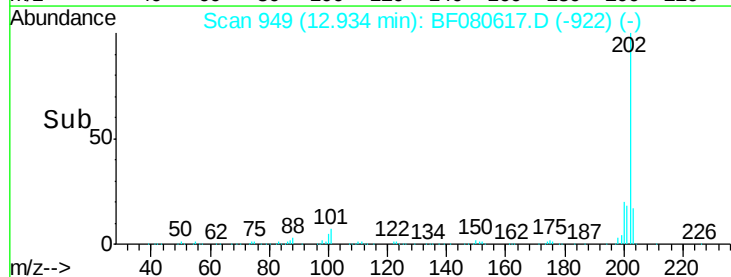
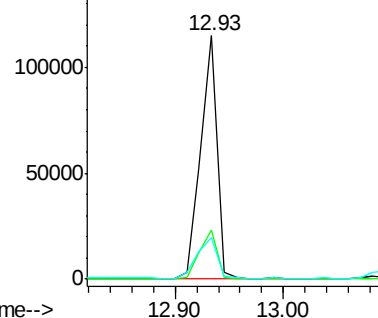
Lab File: BF080617.D

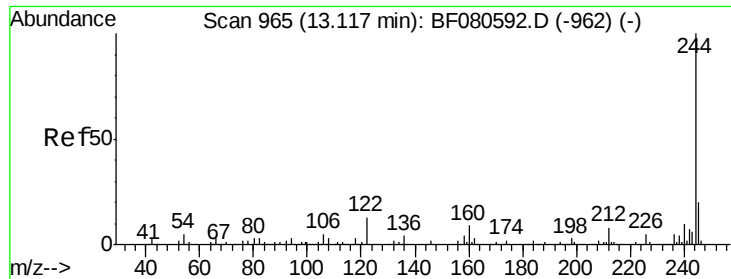
Acq: 24 Jul 2015 3:57

Tgt Ion:	202	Resp:	120394
Ion Ratio		Lower	Upper
202	100		
200	20.4	16.9	25.3
203	17.0	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.39 ng

RT: 13.08 min Scan# 962

Delta R.T. 0.01 min

Lab File: BF080617.D

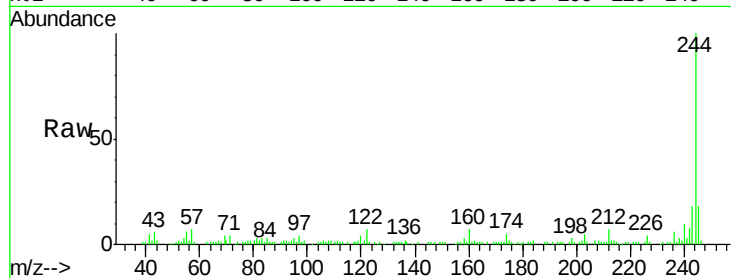
Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

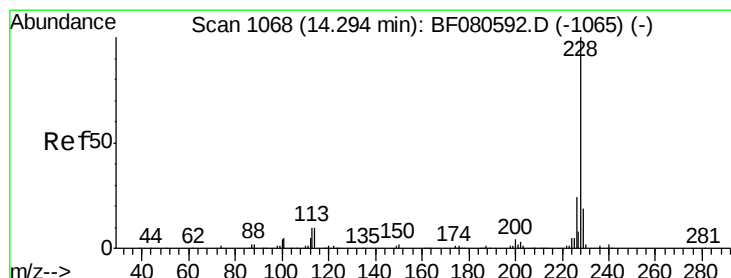
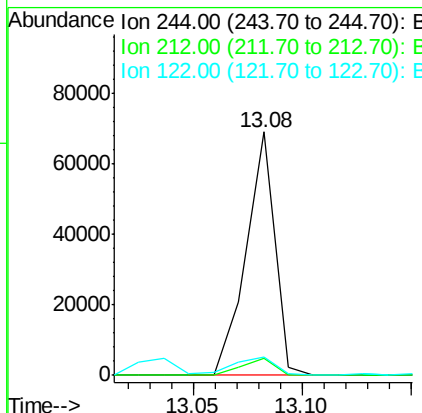
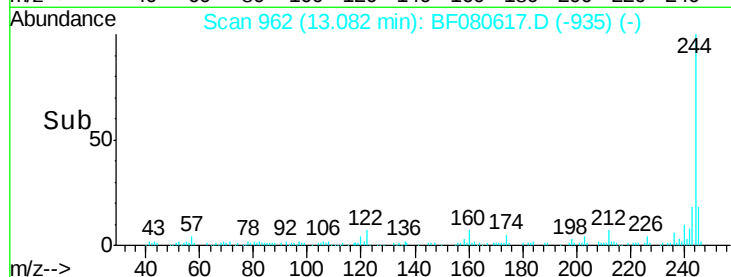
CONC1



Tgt Ion:	244	Resp:	63164
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	7.4	8.2	12.2#

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#80

Benzo(a)anthracene

Concen: 7.97 ng

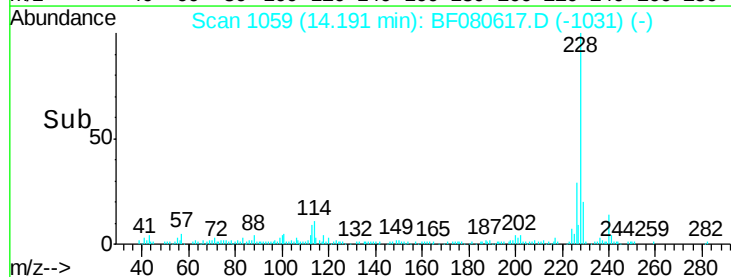
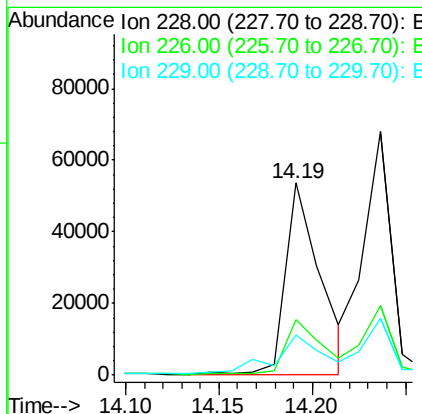
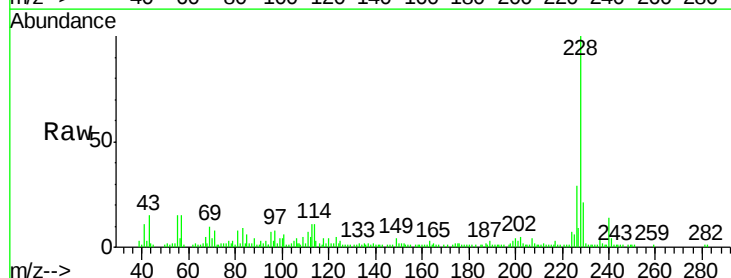
RT: 14.19 min Scan# 1059

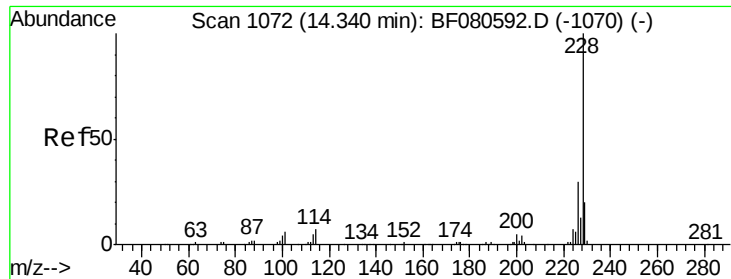
Delta R.T. 0.02 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Tgt Ion:	228	Resp:	70825
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.0	33.0
229	20.9	15.7	23.5





#82

Chrysene

Concen: 8.01 ng m

RT: 14.24 min Scan# 1063

Delta R.T. 0.02 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampleId :

CONC1

Tgt Ion: 228 Resp: 70807

Ion Ratio Lower Upper

228 100

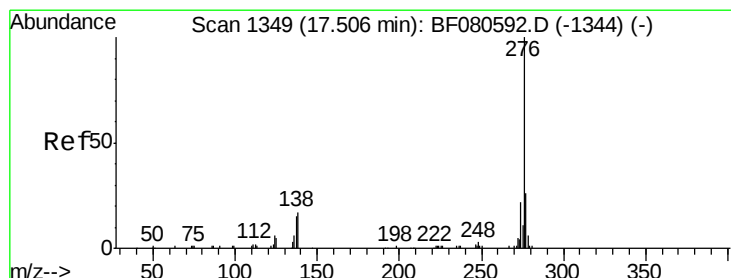
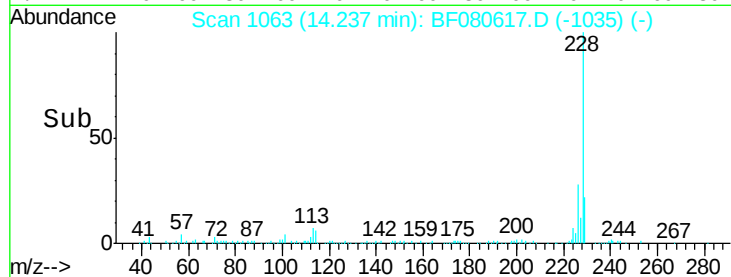
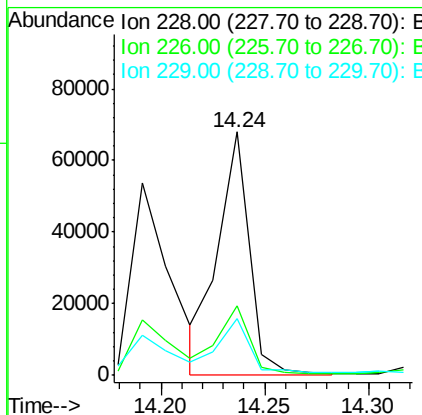
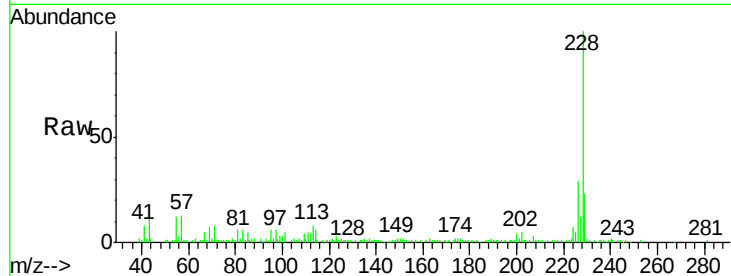
226 28.7 23.0 34.6

229 23.2 15.0 22.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.02 ng

RT: 17.30 min Scan# 1331

Delta R.T. 0.06 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

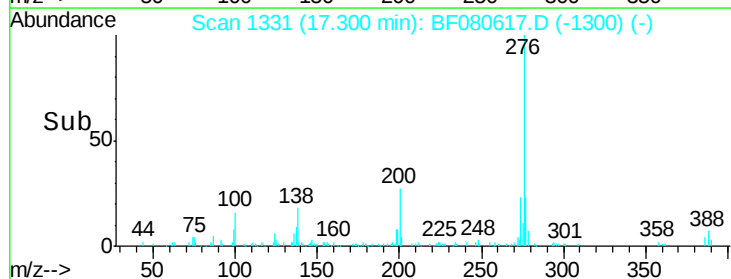
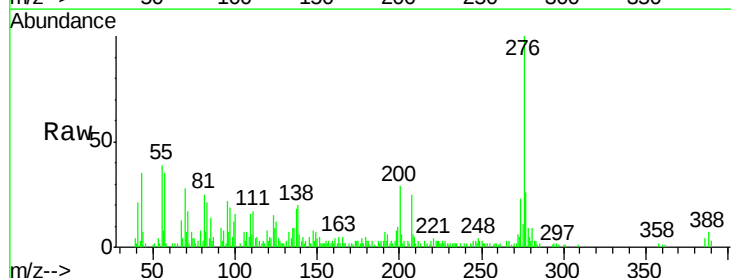
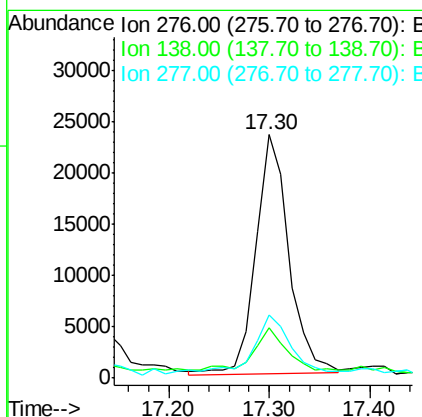
Tgt Ion: 276 Resp: 53679

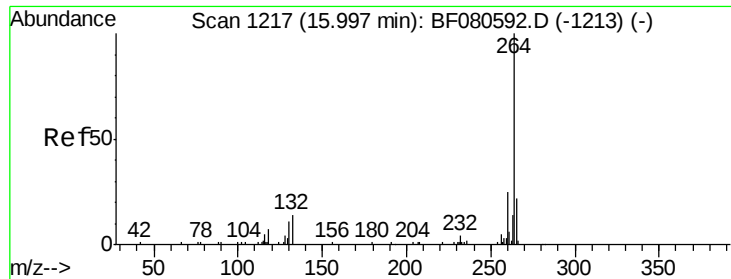
Ion Ratio Lower Upper

276 100

138 18.4 18.9 28.3#

277 27.8 19.9 29.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.80 min Scan# 1200

Delta R.T. 0.06 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

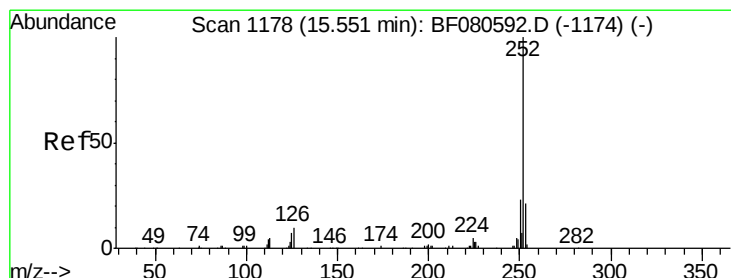
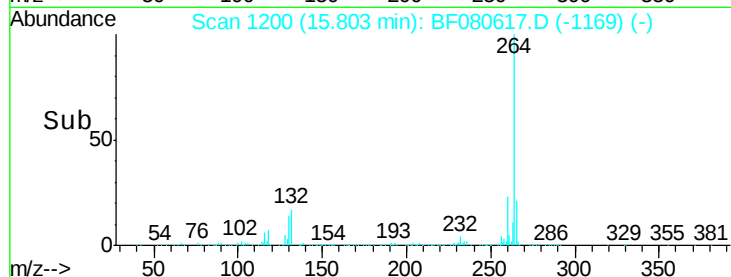
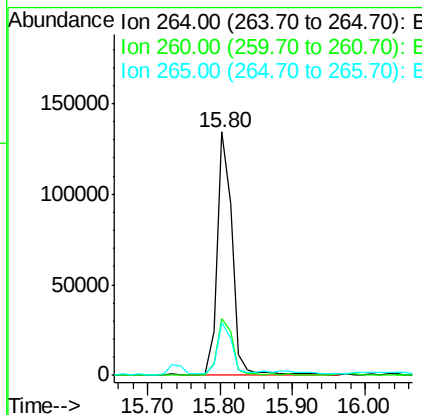
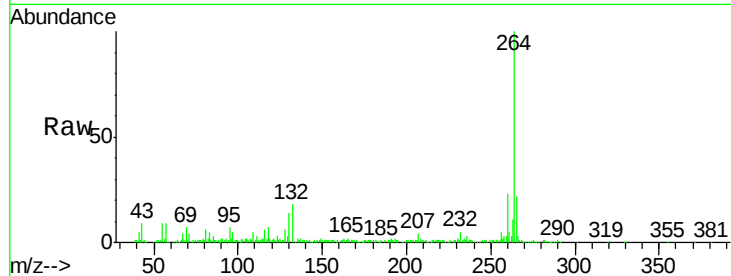
ClientSampleId :

CONC1

Tgt Ion:	264	Resp:	192229
Ion Ratio		Lower	Upper
264	100		
260	23.3	17.8	26.8
265	21.8	15.6	23.4

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#87

Benzo(b)fluoranthene

Concen: 8.97 ng m

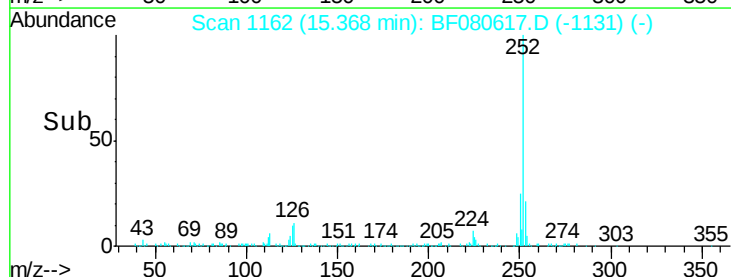
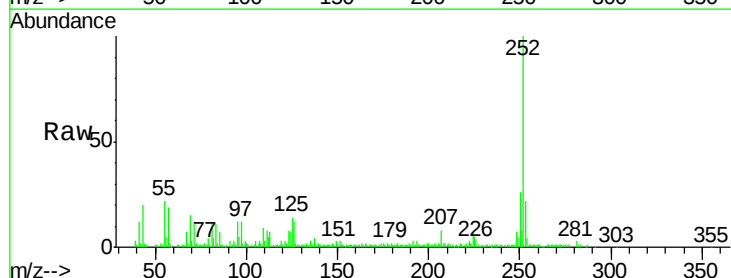
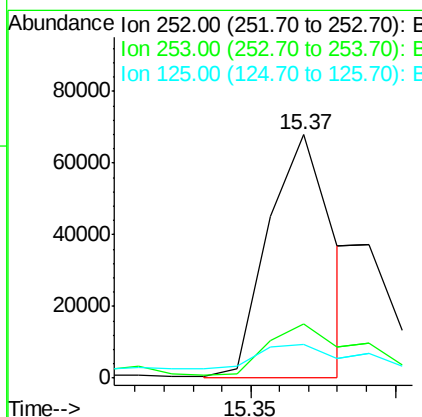
RT: 15.37 min Scan# 1162

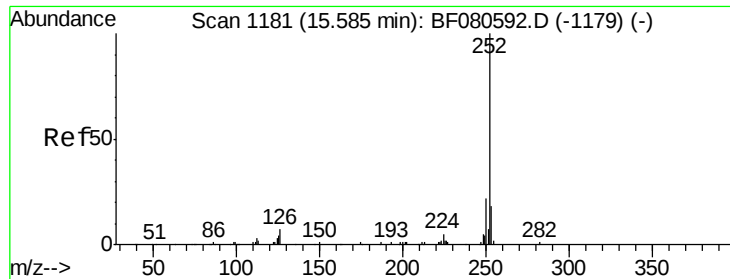
Delta R.T. 0.06 min

Lab File: BF080617.D

Acq: 24 Jul 2015 3:57

Tgt Ion:	252	Resp:	104856
Ion Ratio		Lower	Upper
252	100		
253	22.3	16.6	25.0
125	14.0	6.1	9.1#





#88

Benzo(k)fluoranthene

Concen: 3.35 ng m

RT: 15.39 min Scan# 1164

Delta R.T. 0.05 min

Lab File: BF080617.D

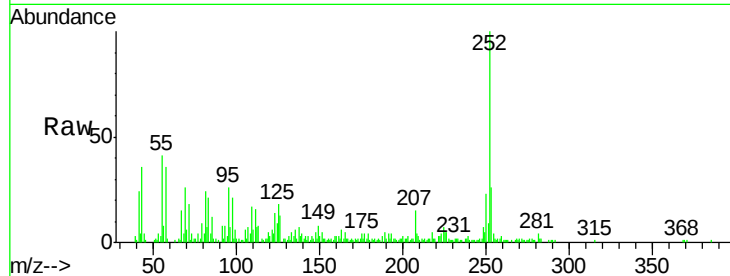
Acq: 24 Jul 2015 3:57

Instrument :

BNA_F

ClientSampled :

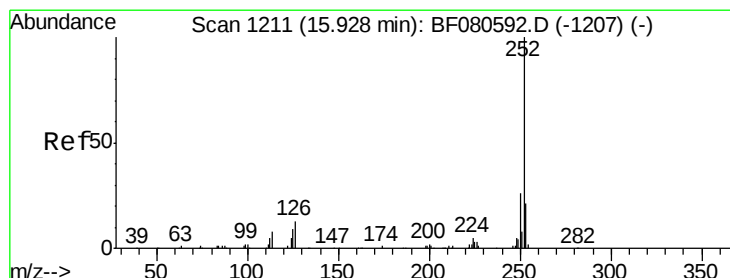
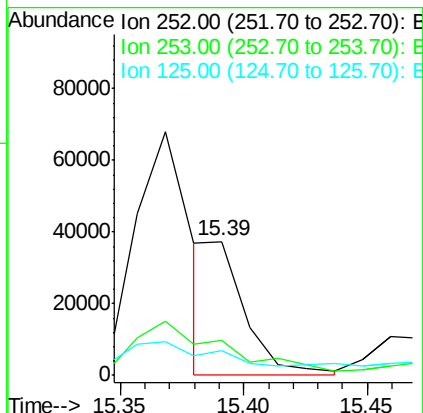
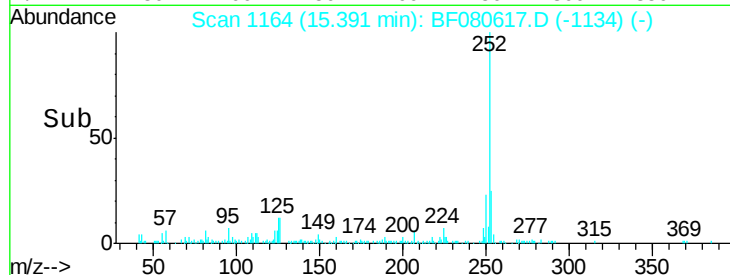
CONC1



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	18.3	8.6	13.0#

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#89

Benzo(a)pyrene

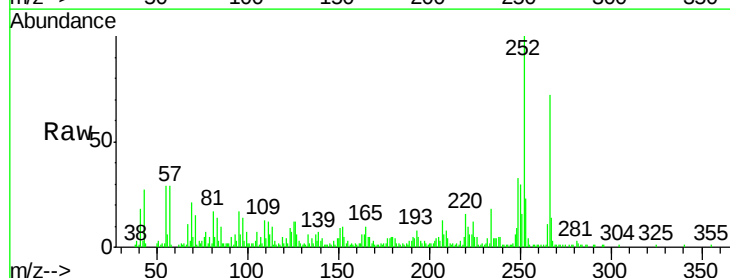
Concen: 7.11 ng

RT: 15.75 min Scan# 1195

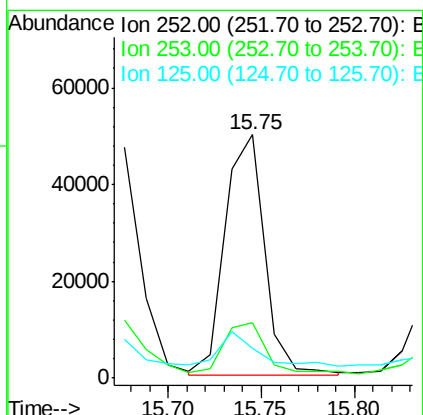
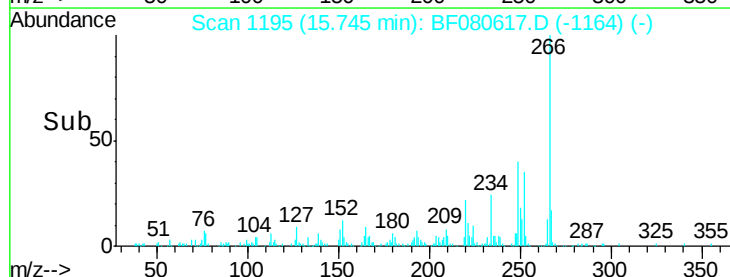
Delta R.T. 0.06 min

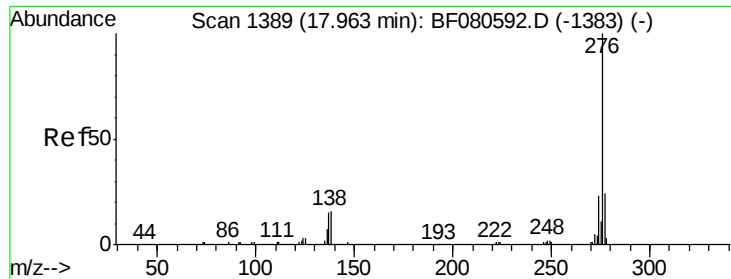
Lab File: BF080617.D

Acq: 24 Jul 2015 3:57



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.6
125	12.4	11.2	16.8





#91
 Benzo(g,h,i)perylene
 Concen: 5.80 ng
 RT: 17.76 min Scan# 1371
 Delta R.T. 0.08 min
 Lab File: BF080617.D
 Acq: 24 Jul 2015 3:57

Instrument :
 BNA_F
 ClientSampleId :
 CONC1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.0	27.0
138	15.5	17.8	26.6

Manual Integrations
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