

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080619.D
 Acq On : 24 Jul 2015 4:55
 Operator : TP/UM
 Sample : G3054-03 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC3

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Quant Time: Jul 24 06:33:17 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	40227	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	158570	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	74552	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	152726	20.00	ng	0.00
75) Chrysene-d12	14.27	240	201441	20.00	ng	0.09
86) Perylene-d12	15.93	264	185299	20.00	ng	0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	22810	9.79	ng	0.01
7) Phenol-d6	6.56	99	62783	22.05	ng	0.00
23) Nitrobenzene-d5	7.50	82	39623	14.16	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	914	1.55	ng	0.01
44) 2-Fluorobiphenyl	9.31	172	71704	13.95	ng	0.00
78) Terphenyl-d14	13.11	244	94470	9.81	ng	0.03
Target Compounds						Qvalue
6) Aniline	6.60	93	17233	4.14	ng	91
14) 1,2-Dichlorobenzene	7.12	146	7473	2.59	ng	97
15) Benzyl Alcohol	7.08	79	9529	3.80	ng	93
24) Nitrobenzene	7.53	77	33793	11.30	ng	92
49) Dimethylphthalate	9.71	163	18154	3.31	ng	# 99
62) Azobenzene	10.69	77	13623	2.54	ng	93
70) Phenanthrene	11.50	178	99791	11.58	ng	100
71) Anthracene	11.55	178	21757	2.69	ng	99
74) Fluoranthene	12.70	202	162702	21.09	ng	99
77) Pyrene	12.94	202	148063	10.96	ng	100
80) Benzo(a)anthracene	14.26	228	82554m	7.27	ng	
82) Chrysene	14.29	228	80939	7.16	ng	97
85) Indeno(1,2,3-cd)pyrene	17.44	276	49185	5.75	ng	97
87) Benzo(b)fluoranthene	15.48	252	102325m	9.08	ng	
88) Benzo(k)fluoranthene	15.51	252	37042m	3.30	ng	
89) Benzo(a)pyrene	15.86	252	69928	6.99	ng	98
91) Benzo(g,h,i)perylene	17.89	276	50659	5.25	ng	96

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

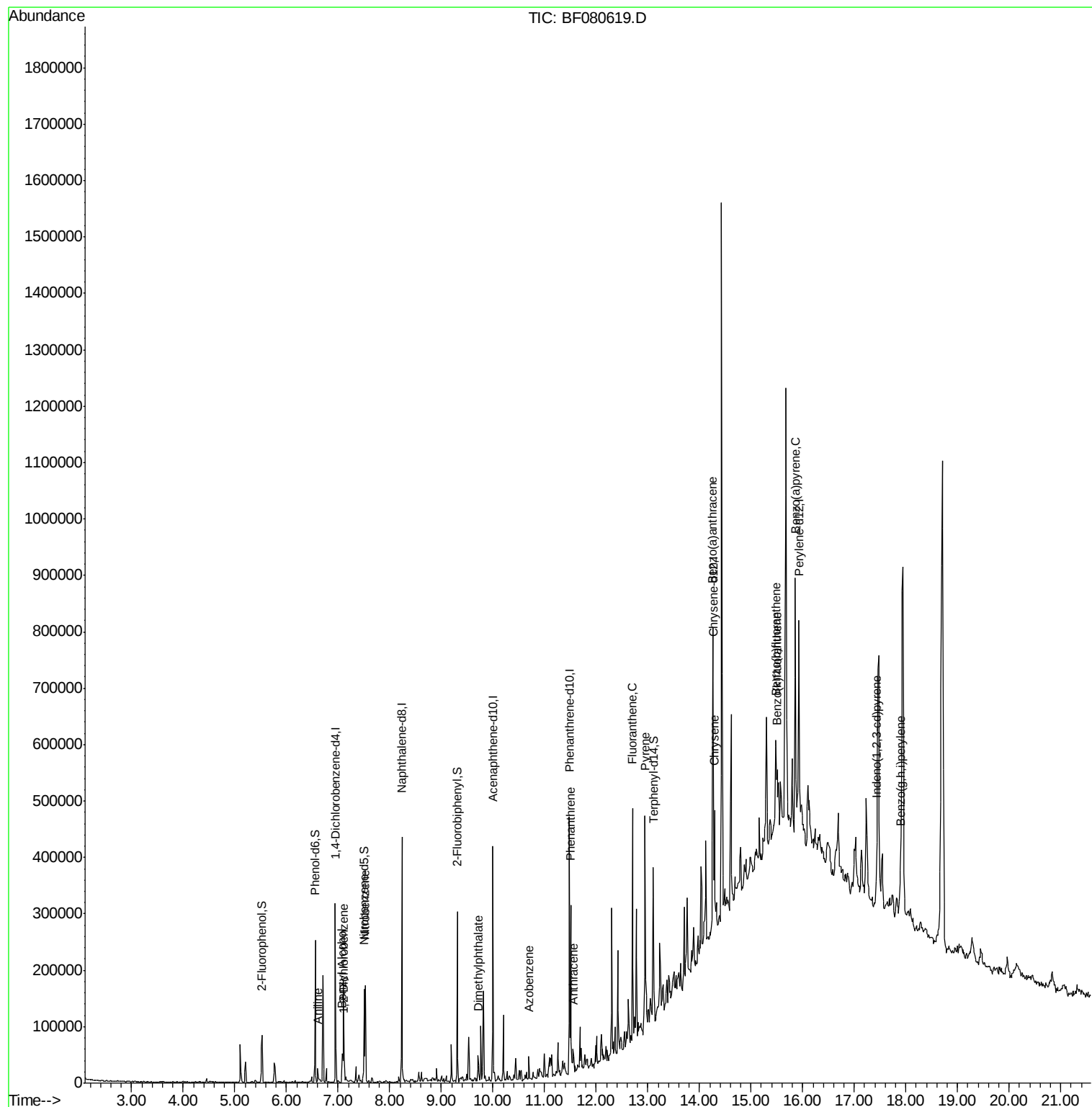
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080619.D
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ALS Vial : 28 Sample Multiplier: 1

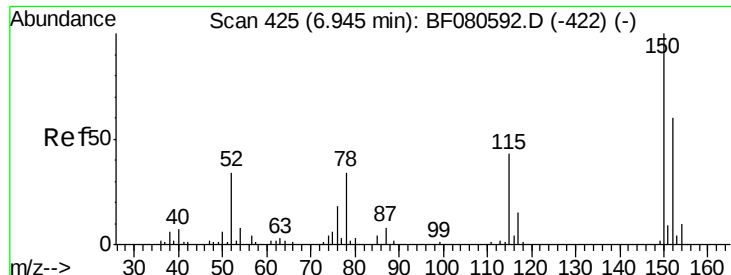
Instrument :
BNA_F
ClientSampled :
CONC3

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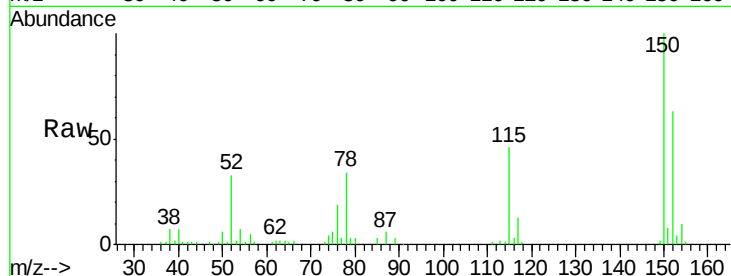




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

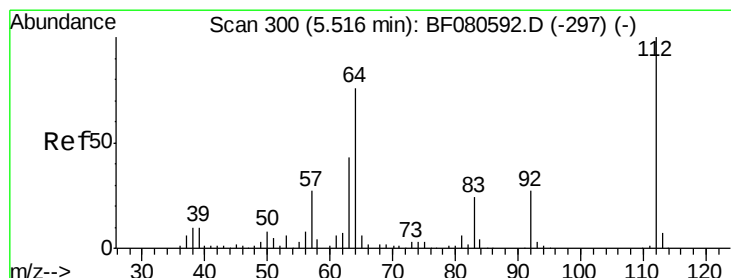
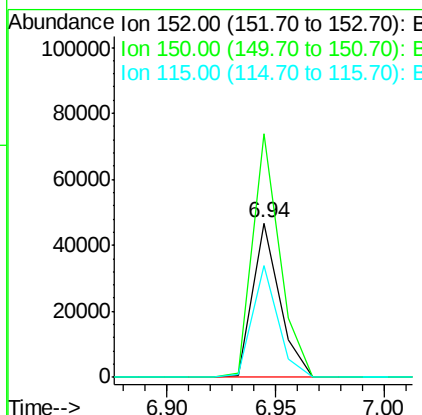
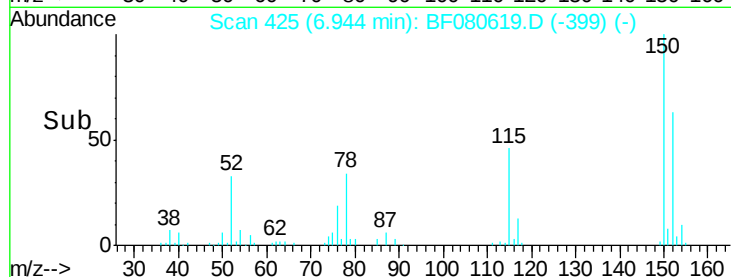
Instrument :
BNA_F
ClientSampled :
CONC3



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	128.7	193.1
115	72.6	56.8	85.2

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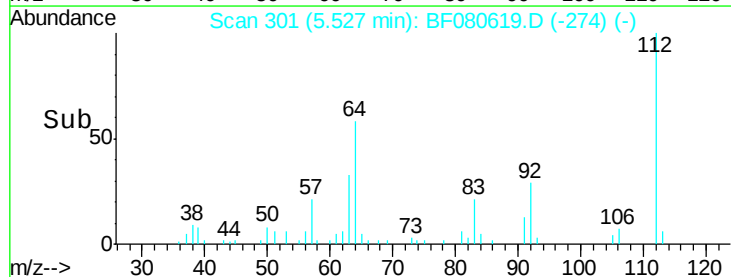
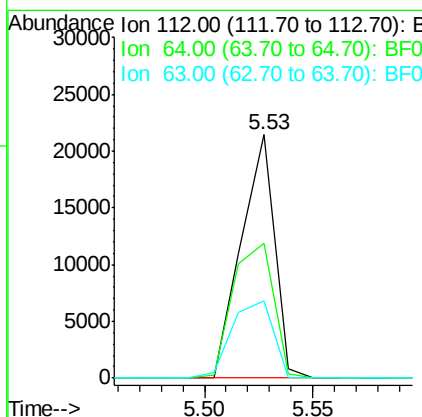
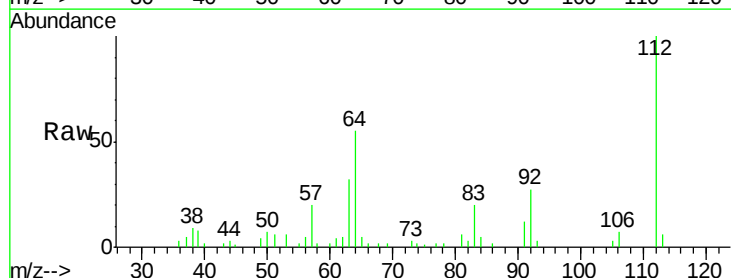
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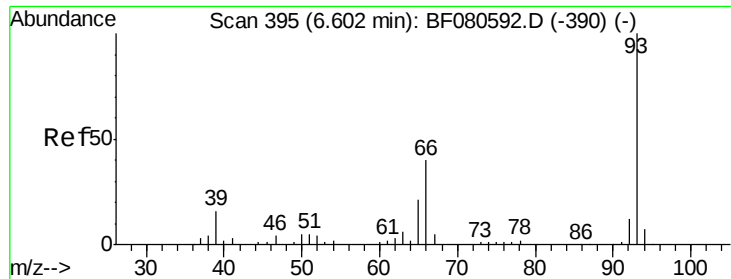


#5

2-Fluorophenol
Concen: 9.79 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	60.2	90.2#
63	31.5	34.8	52.2#





#6

Aniline

Concen: 4.14 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF080619.D

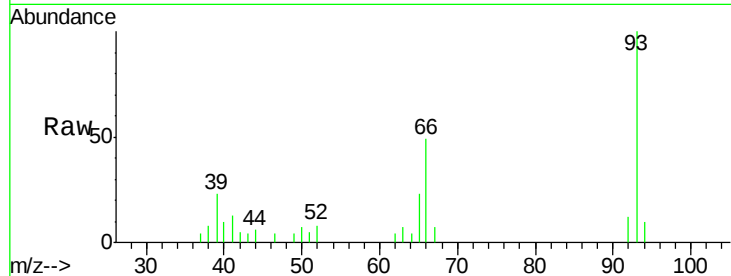
Acq: 24 Jul 2015 4:55

Instrument :

BNA_F

ClientSampleId :

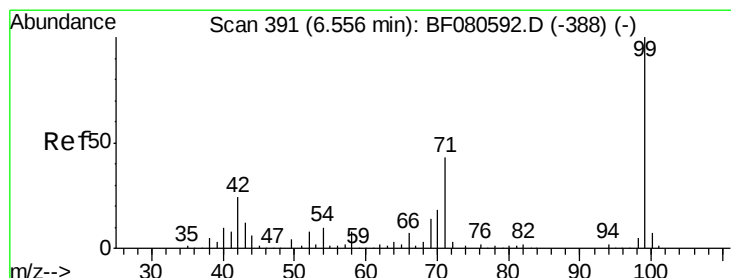
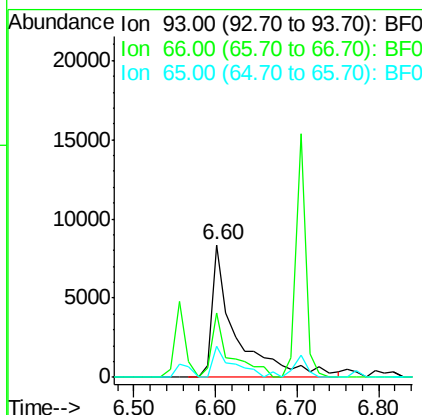
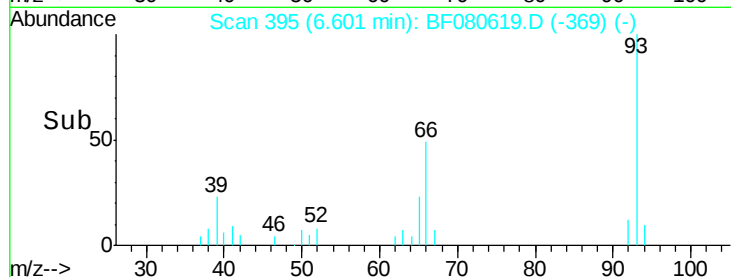
CONC3



Tgt Ion:	93	Resp:	17233
Ion	Ratio	Lower	Upper
93	100		
66	49.0	33.1	49.7
65	23.3	17.2	25.8

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#7

Phenol-d6

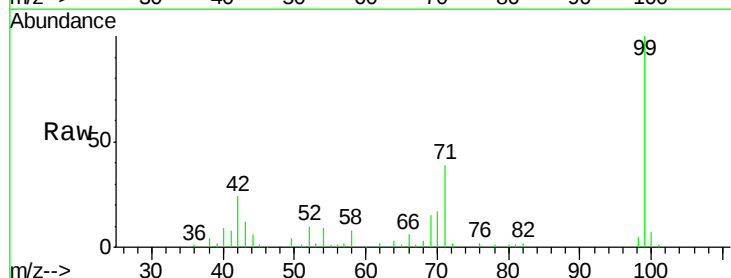
Concen: 22.05 ng

RT: 6.56 min Scan# 391

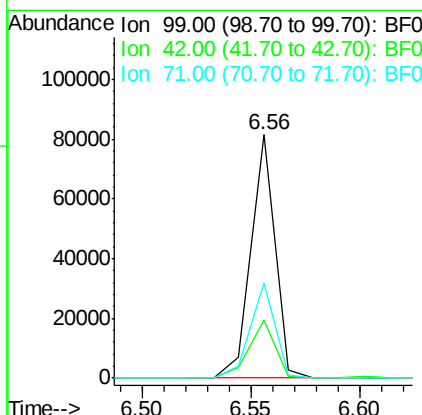
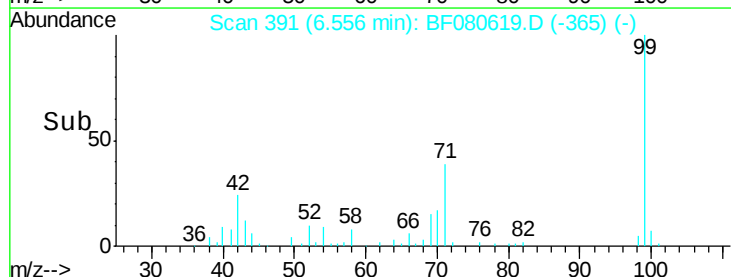
Delta R.T. 0.00 min

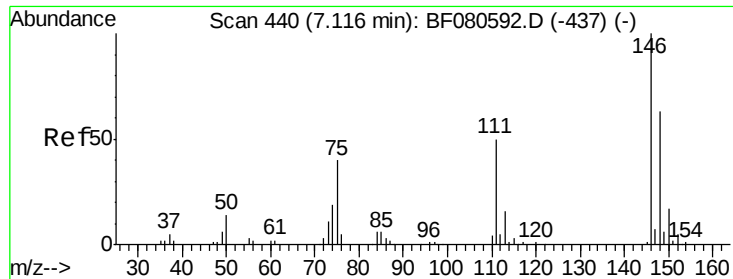
Lab File: BF080619.D

Acq: 24 Jul 2015 4:55



Tgt Ion:	99	Resp:	62783
Ion	Ratio	Lower	Upper
99	100		
42	24.0	17.4	26.2
71	39.3	29.0	43.6





#14

1,2-Dichlorobenzene

Concen: 2.59 ng

RT: 7.12 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF080619.D

Acq: 24 Jul 2015 4:55

Instrument :

BNA_F

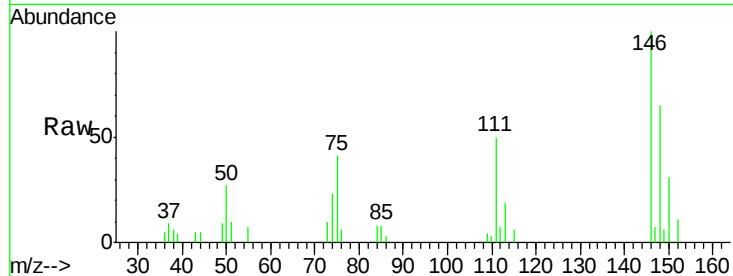
ClientSampleId :

CONC3

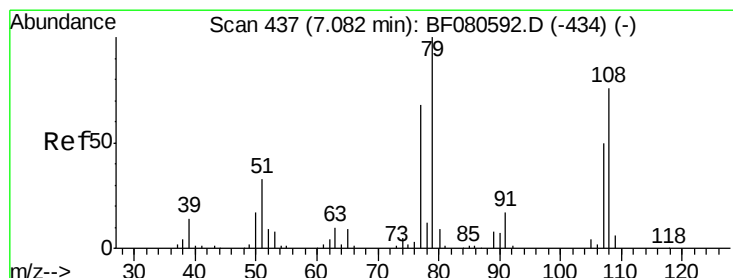
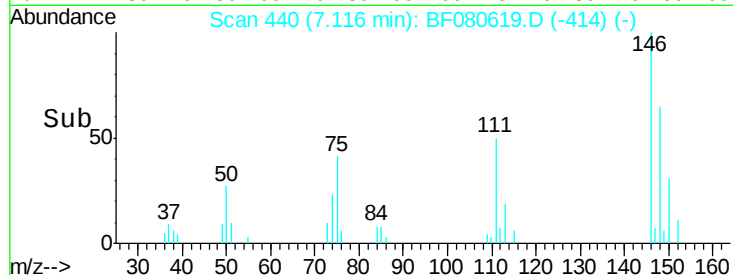
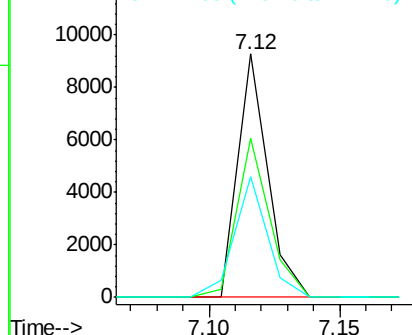
Tgt Ion:	146	Resp:	7473
Ion Ratio	Lower	Upper	
146	100		
148	65.3	50.3	75.5
111	49.6	38.2	57.2

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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 3.80 ng

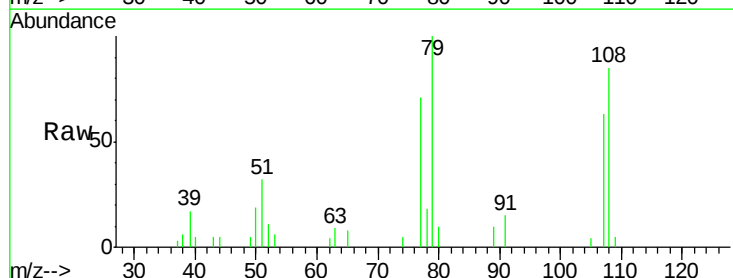
RT: 7.08 min Scan# 437

Delta R.T. 0.00 min

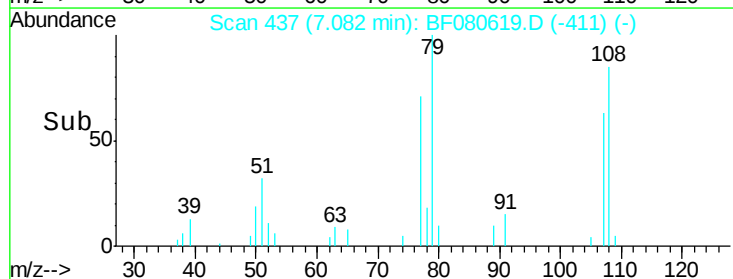
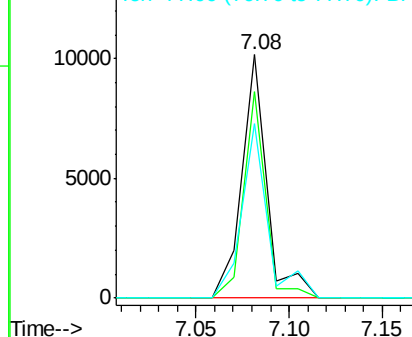
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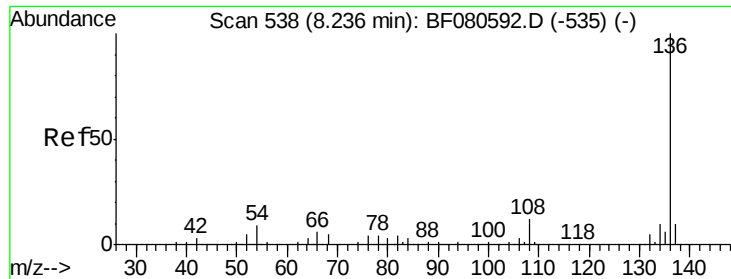
Acq: 24 Jul 2015 4:55

Tgt Ion:	79	Resp:	9529
Ion Ratio	Lower	Upper	
79	100		
108	84.7	61.5	92.3
77	71.5	53.6	80.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0





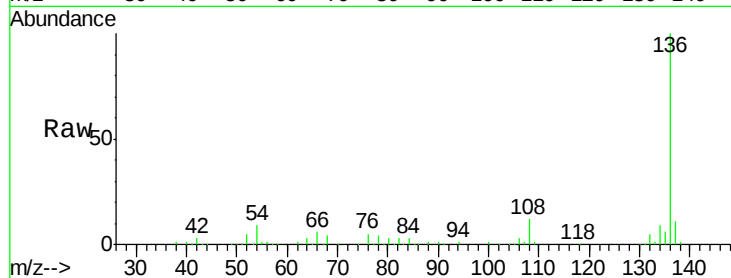
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Instrument :
BNA_F
ClientSampleId :
CONC3

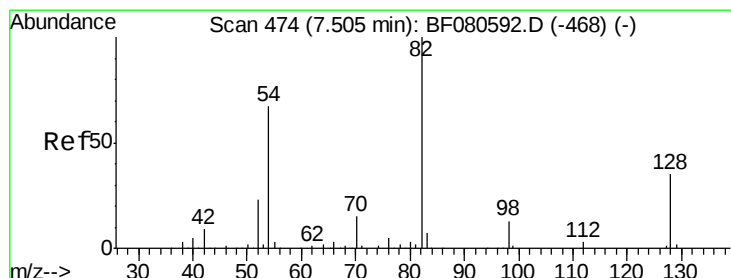
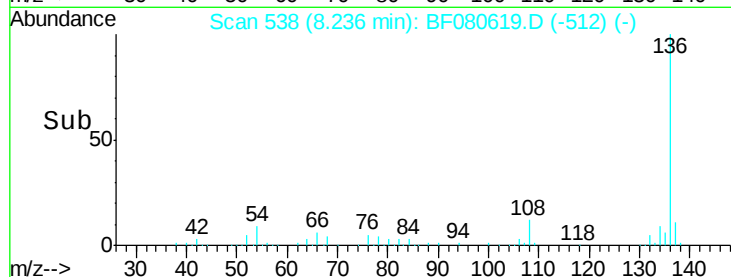
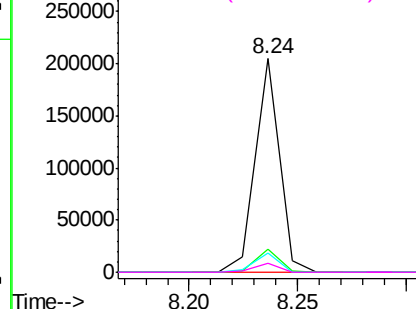
Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	7.8	11.8
54	8.9	7.2	10.8
68	4.4	3.8	5.6

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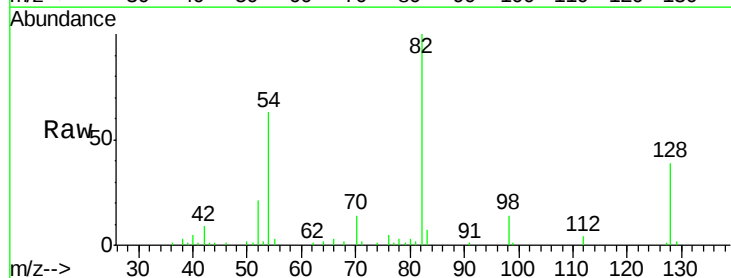


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

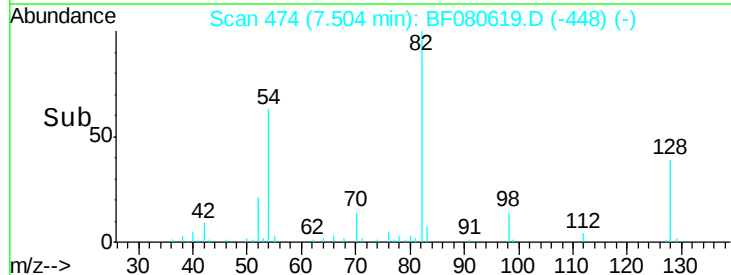
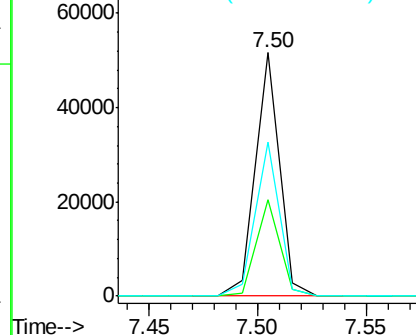


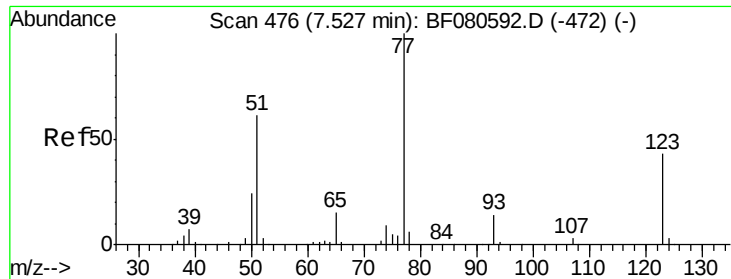
#23
Nitrobenzene-d5
Concen: 14.16 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.4	28.9	43.3
54	63.5	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: 11.30 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF080619.D

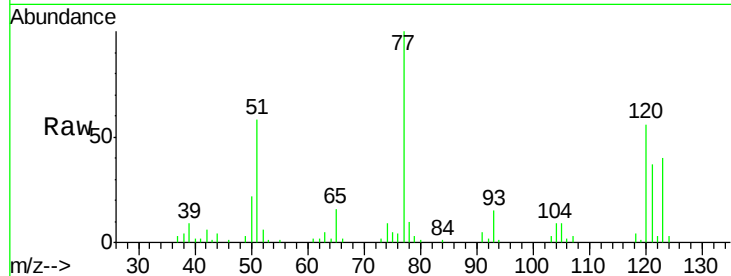
Acq: 24 Jul 2015 4:55

Instrument :

BNA_F

ClientSampled :

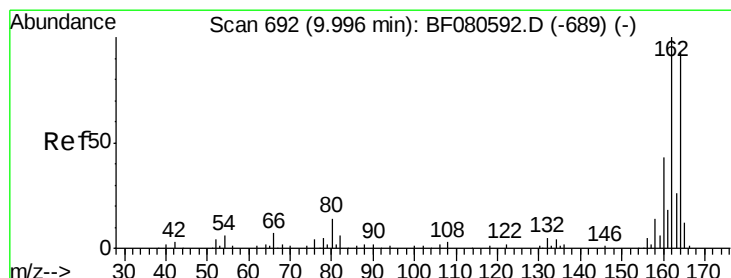
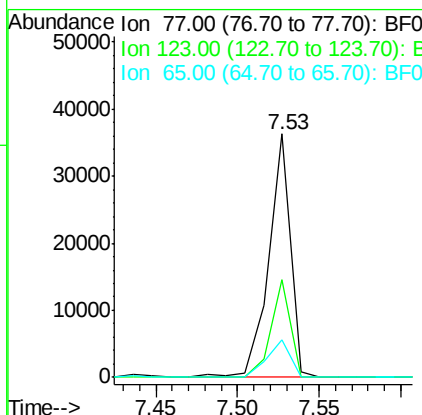
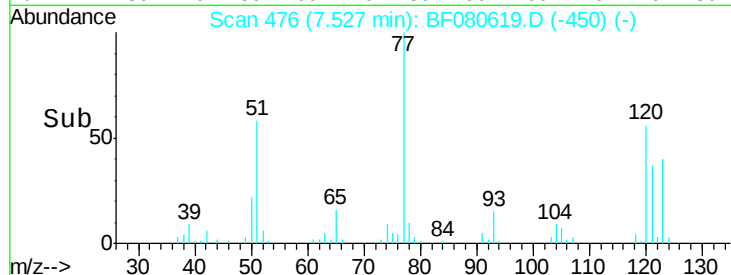
CONC3



Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.0	37.1	55.7
65	15.5	11.4	17.2

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#38

Acenaphthene-d10

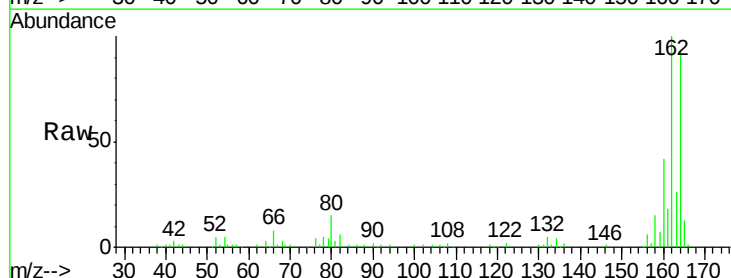
Concen: 20.00 ng

RT: 10.00 min Scan# 692

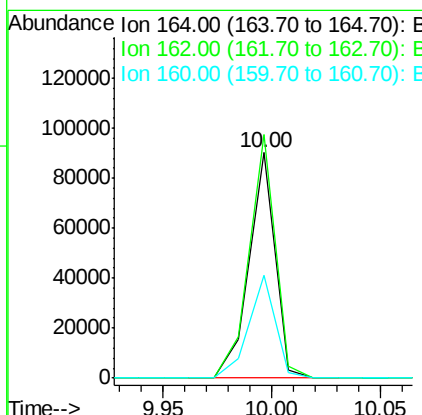
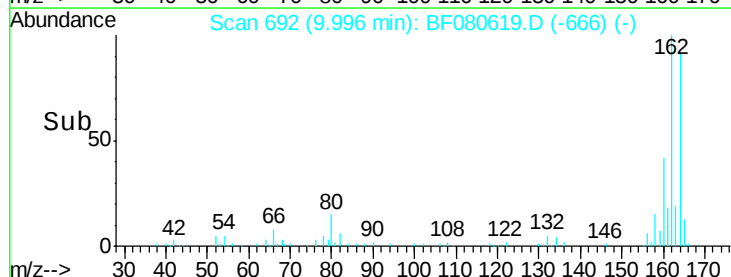
Delta R.T. 0.00 min

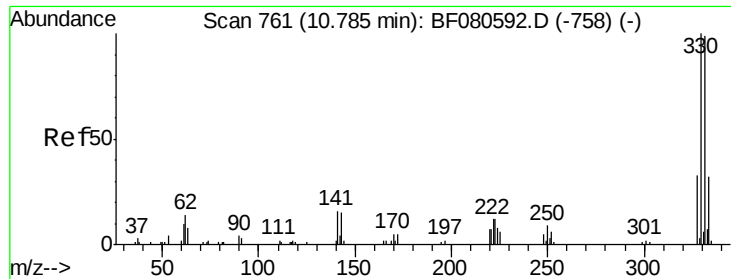
Lab File: BF080619.D

Acq: 24 Jul 2015 4:55



Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.0	82.2	123.4
160	45.4	36.1	54.1





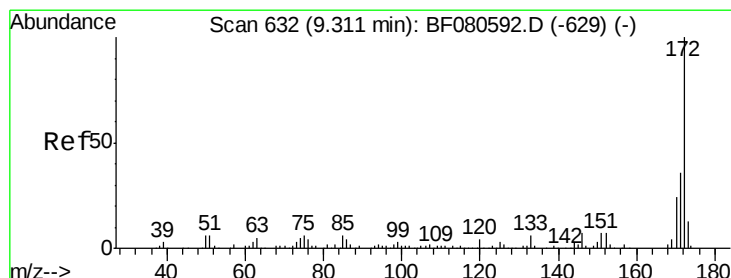
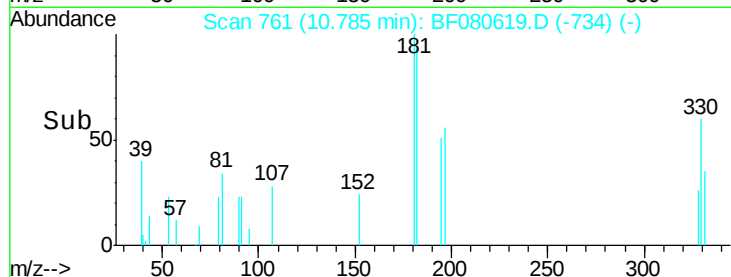
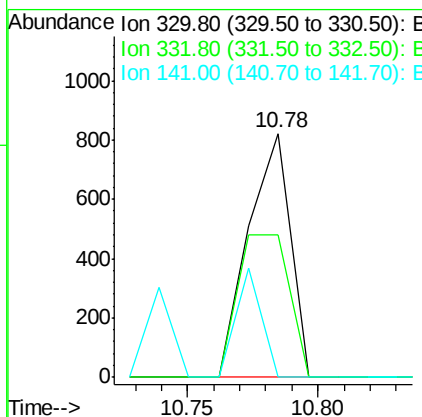
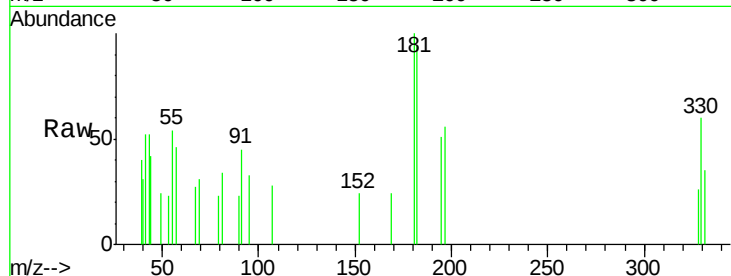
#41
 2,4,6-Tribromophenol
 Concen: 1.55 ng
 RT: 10.78 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF080619.D
 Acq: 24 Jul 2015 4:55

Instrument :
 BNA_F
 ClientSampled :
 CONC3

Tgt Ion:330 Resp: 914
 Ion Ratio Lower Upper
 330 100
 332 71.9 78.3 117.5#
 141 27.7 37.9 56.9#

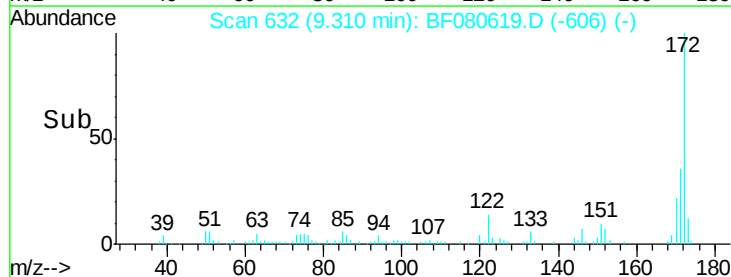
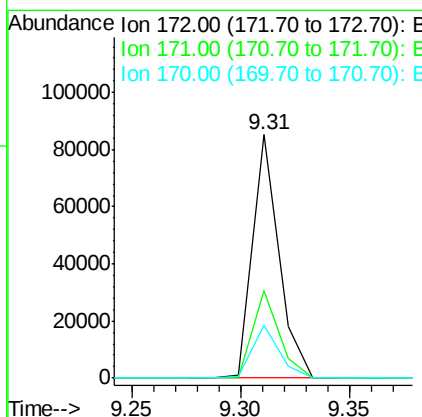
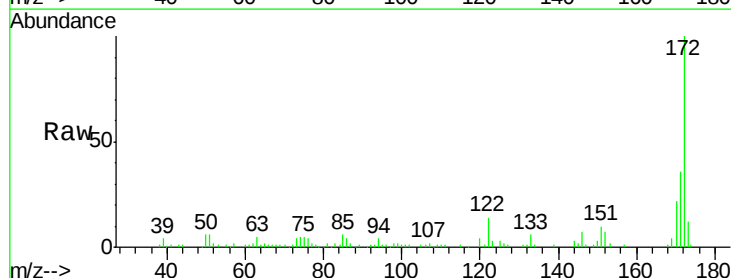
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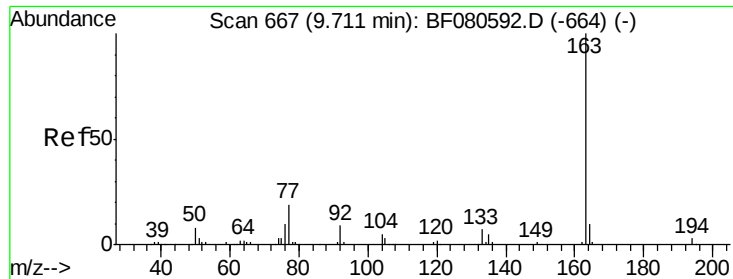
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#44
 2-Fluorobiphenyl
 Concen: 13.95 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF080619.D
 Acq: 24 Jul 2015 4:55

Tgt Ion:172 Resp: 71704
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.7 41.5
 170 21.6 19.1 28.7





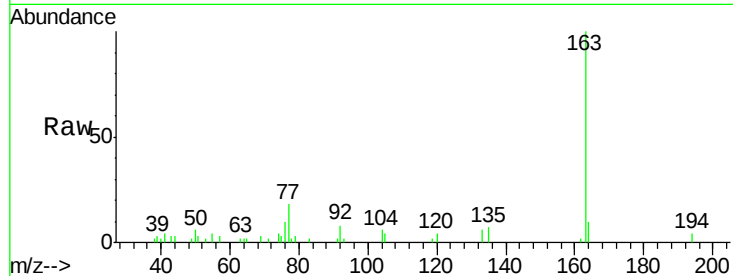
#49
Dimethylphthalate
Concen: 3.31 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Instrument :
BNA_F
ClientSampleId :
CONC3

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	2.5	3.7#
164	10.2	8.1	12.1

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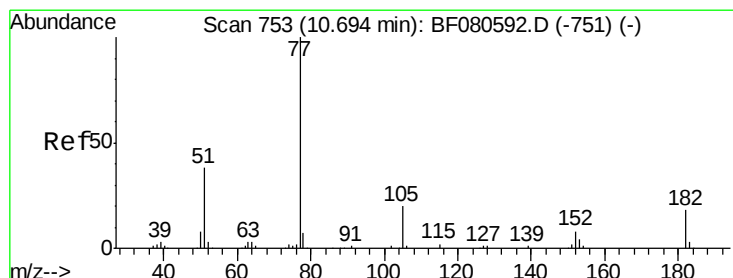
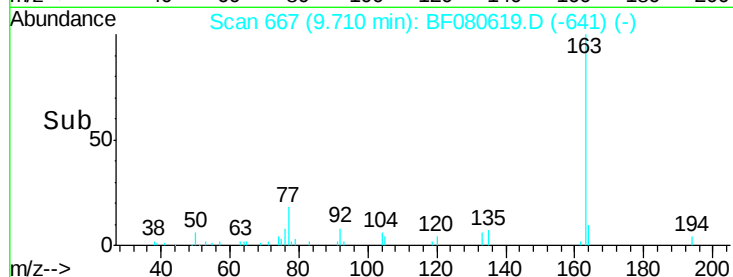
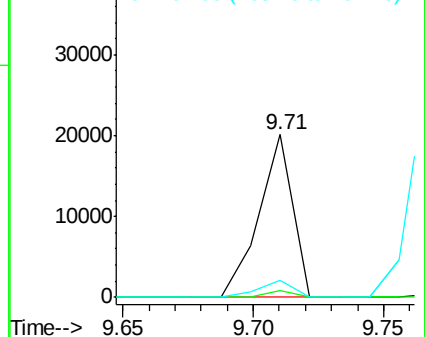


Abundance

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



#62
Azobenzene
Concen: 2.54 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
77	100		
182	25.0	0.0	37.8
105	20.3	0.1	40.1
51	35.4	18.8	58.8

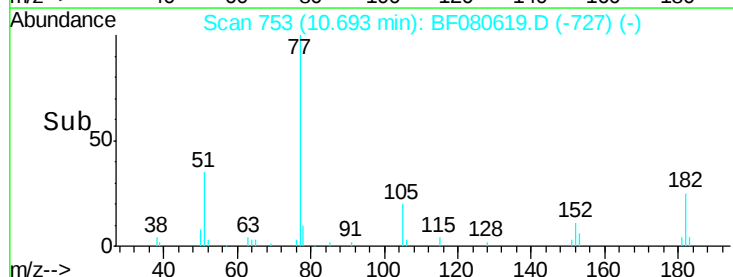
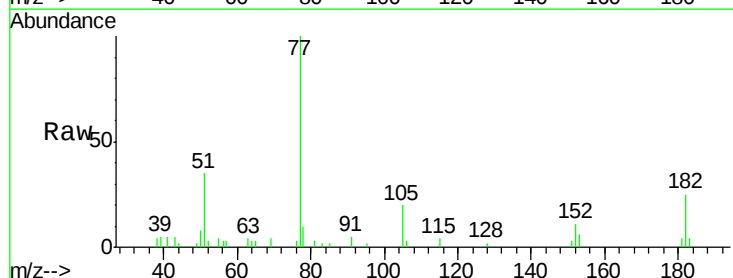
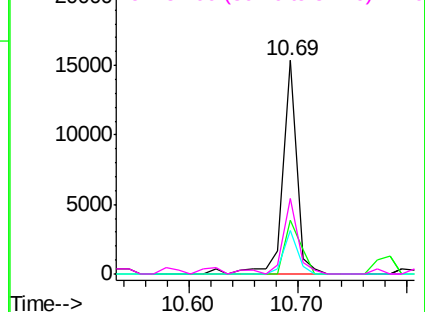
Abundance

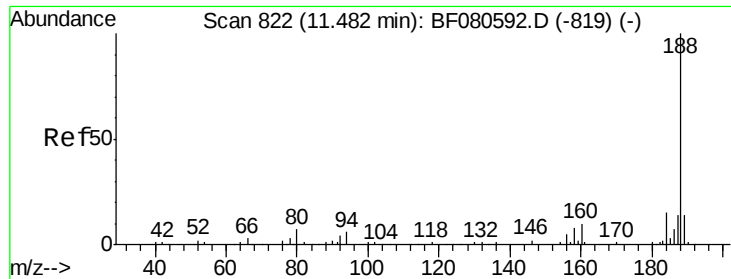
Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





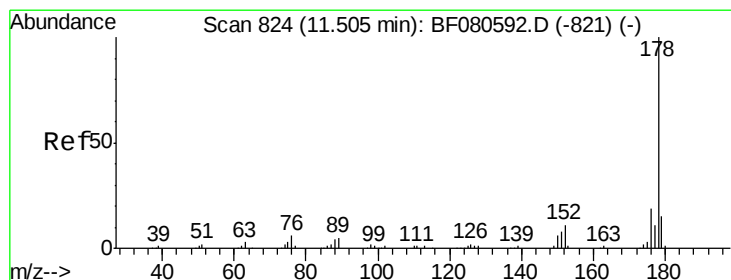
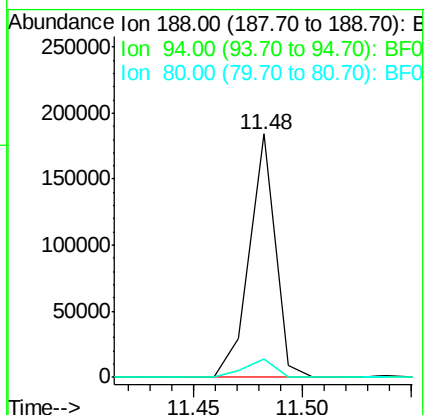
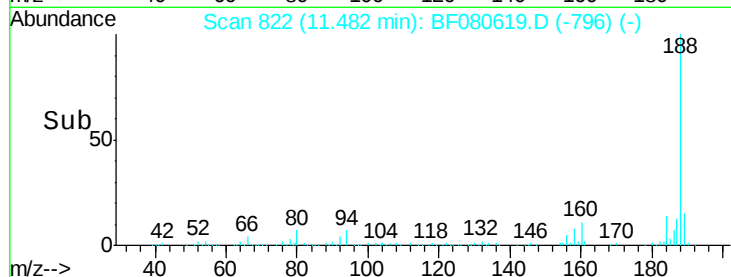
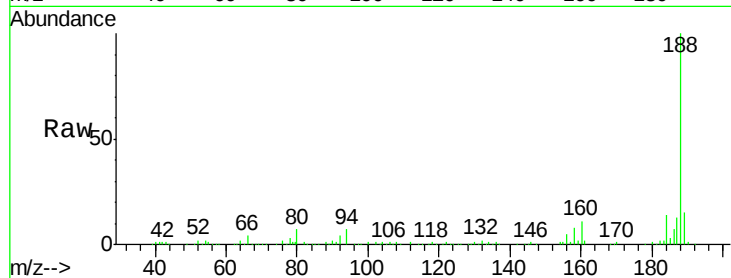
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Instrument :
BNA_F
ClientSampled :
CONC3

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.5	6.1	9.1
80	7.4	7.0	10.6

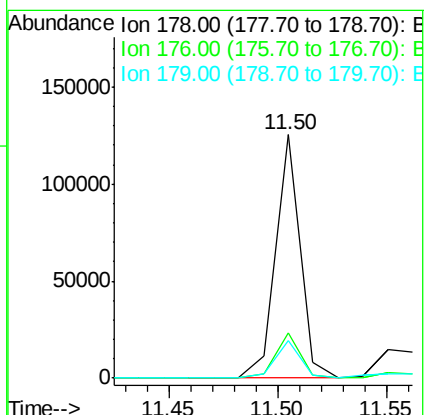
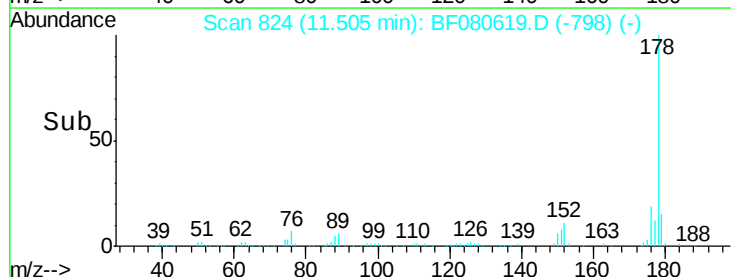
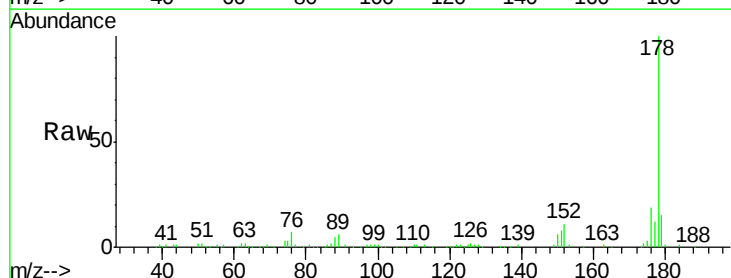
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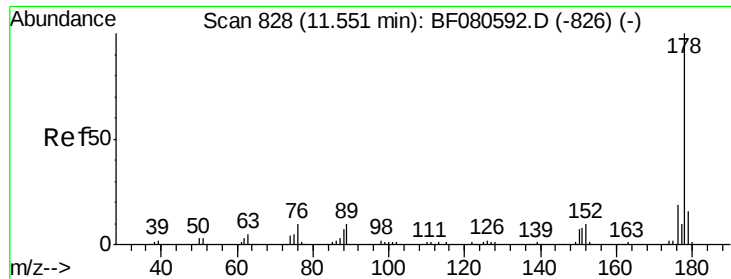
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#70
Phenanthrene
Concen: 11.58 ng
RT: 11.50 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.5	12.5	18.7





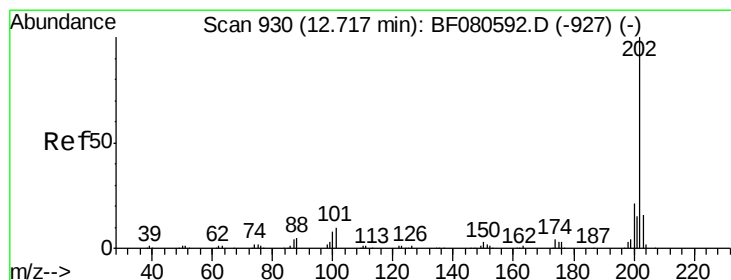
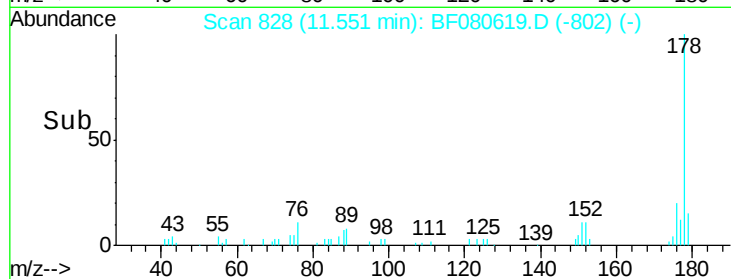
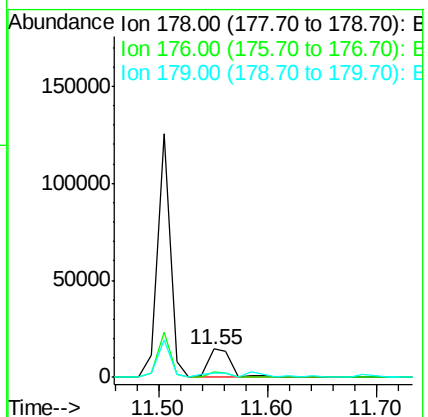
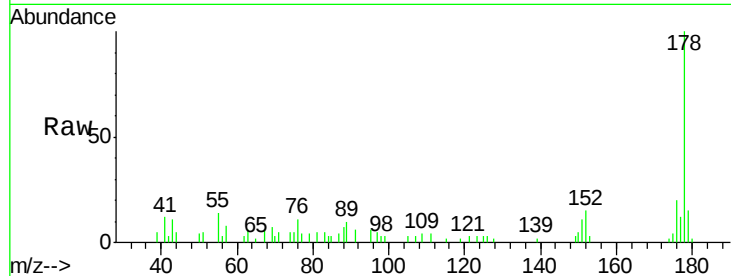
#71
 Anthracene
 Concen: 2.69 ng
 RT: 11.55 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF080619.D
 Acq: 24 Jul 2015 4:55

Instrument :
 BNA_F
 ClientSampleId :
 CONC3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.1	22.7
179	15.0	12.0	18.0

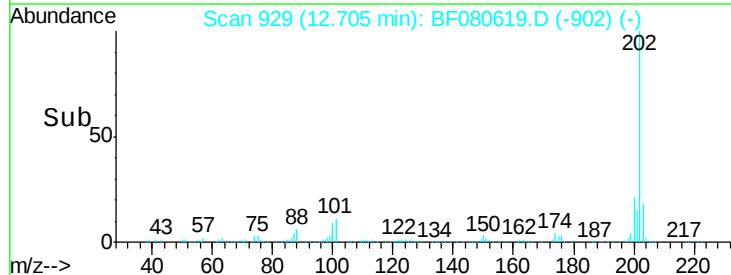
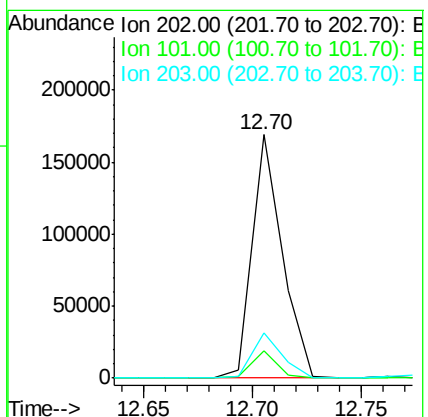
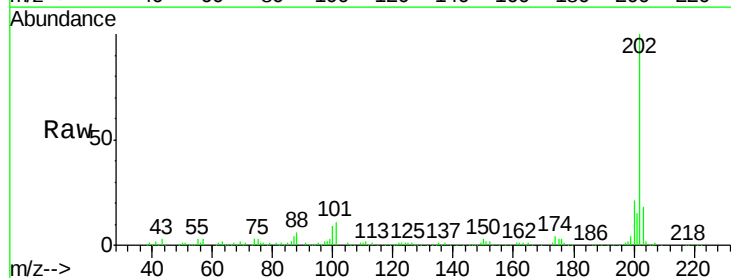
Manual Integrations
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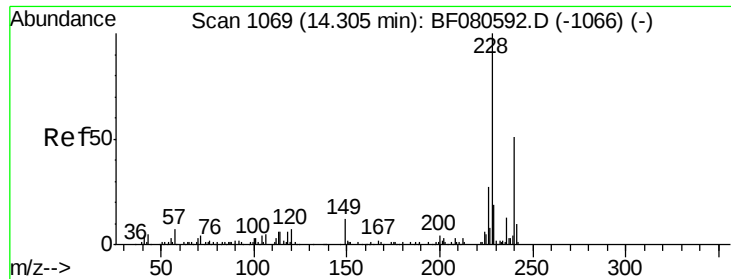
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#74
 Fluoranthene
 Concen: 21.09 ng
 RT: 12.70 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: BF080619.D
 Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	18.3	0.0	37.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.27 min Scan# 1066

Delta R.T. 0.09 min

Lab File: BF080619.D

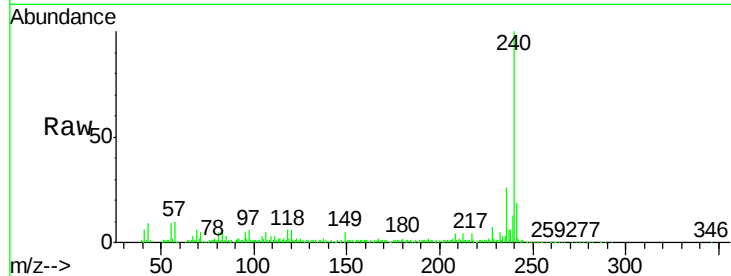
Acq: 24 Jul 2015 4:55

Instrument :

BNA_F

ClientSampleId :

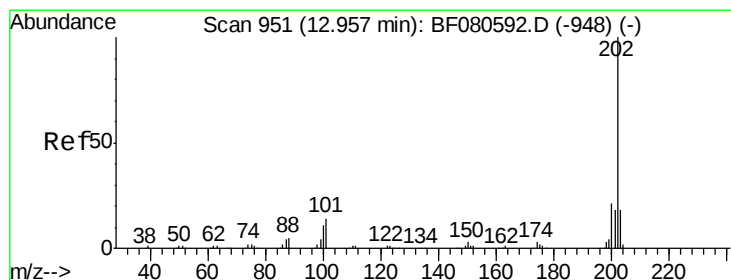
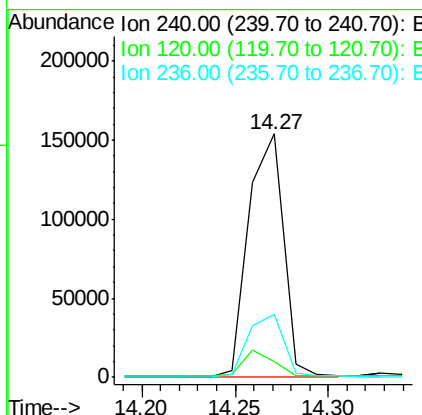
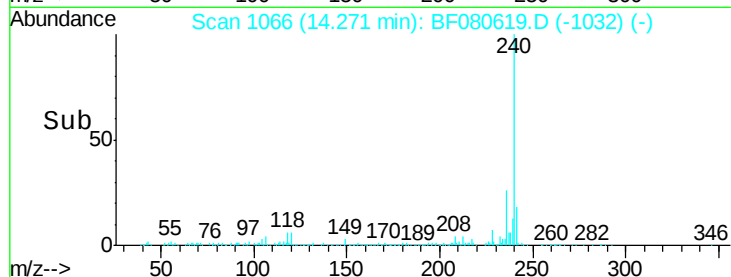
CONC3



Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	6.5	9.9	14.9	
236	26.2	19.1	28.7	

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#77

Pyrene

Concen: 10.96 ng

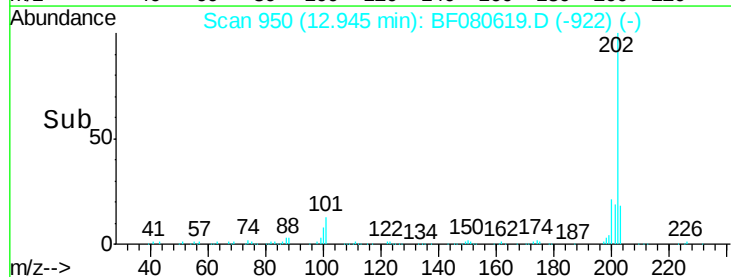
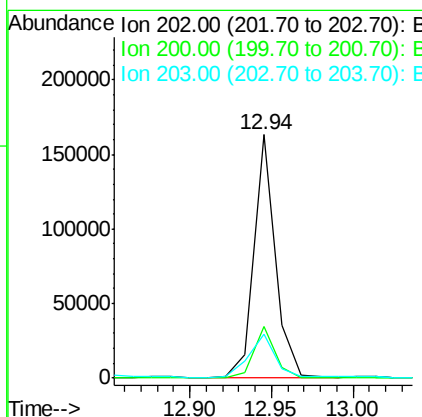
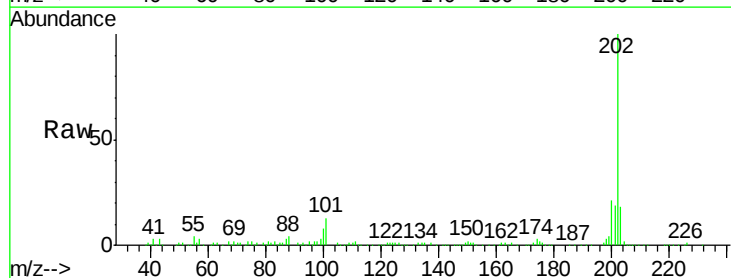
RT: 12.94 min Scan# 950

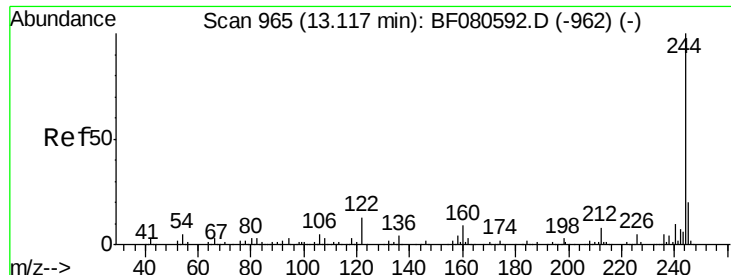
Delta R.T. 0.02 min

Lab File: BF080619.D

Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	16.9	25.3	
203	18.1	14.5	21.7	





#78

Terphenyl-d14

Concen: 9.81 ng

RT: 13.11 min Scan# 964

Delta R.T. 0.03 min

Lab File: BF080619.D

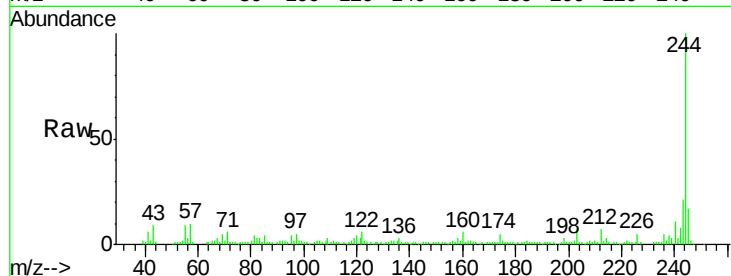
Acq: 24 Jul 2015 4:55

Instrument :

BNA_F

ClientSampled :

CONC3



Tgt Ion: 244 Resp: 94470

Ion Ratio Lower Upper

244 100

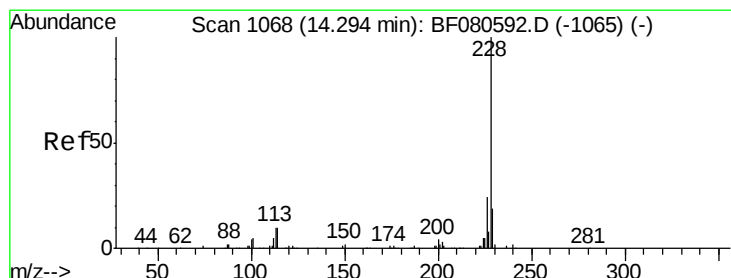
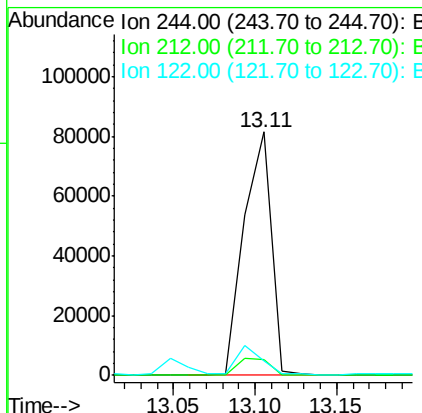
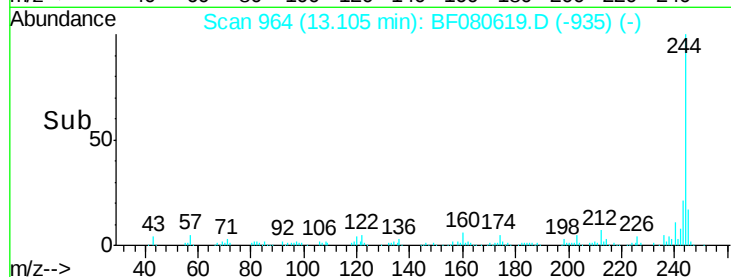
212 6.5 6.0 9.0

122 6.0 8.2 12.2#

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#80

Benzo(a)anthracene

Concen: 7.27 ng m

RT: 14.26 min Scan# 1065

Delta R.T. 0.09 min

Lab File: BF080619.D

Acq: 24 Jul 2015 4:55

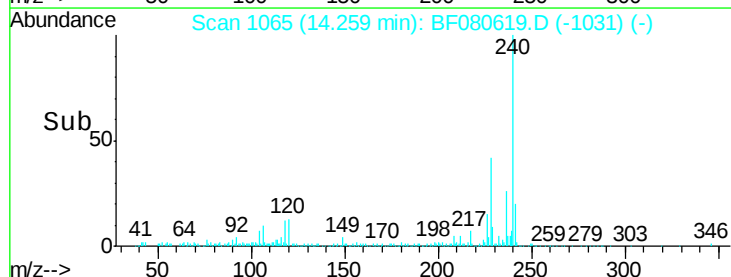
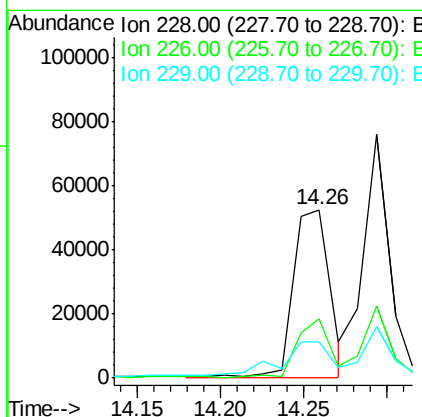
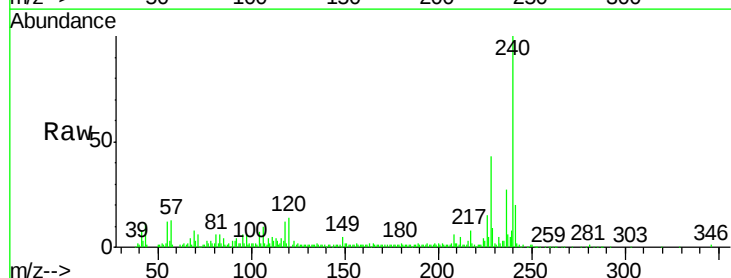
Tgt Ion: 228 Resp: 82554

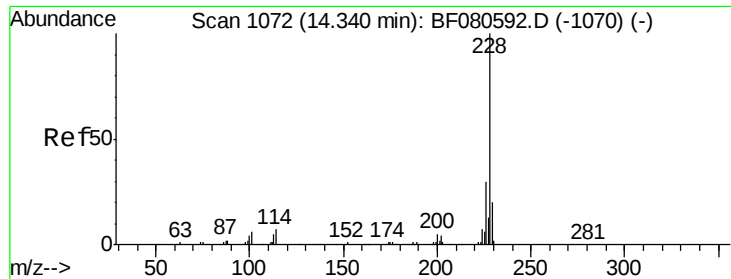
Ion Ratio Lower Upper

228 100

226 35.3 22.0 33.0#

229 21.7 15.7 23.5





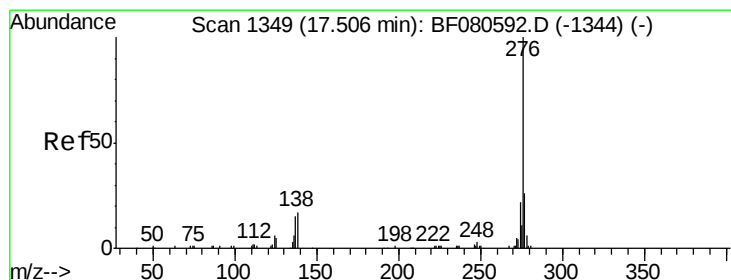
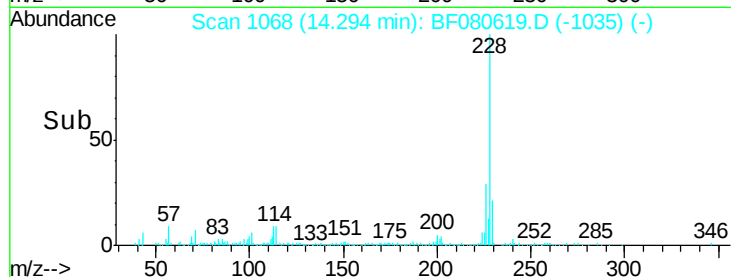
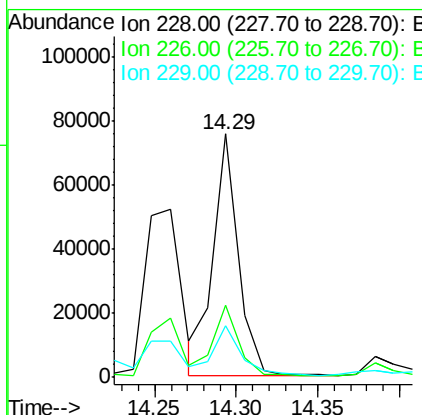
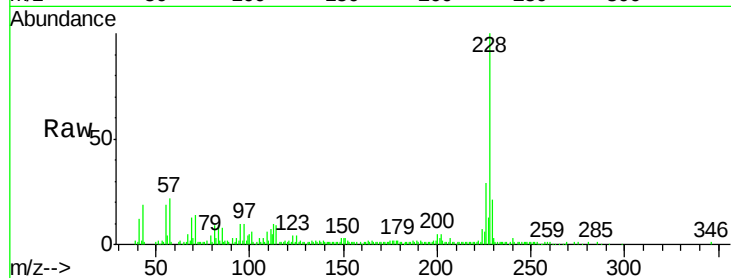
#82
Chrysene
Concen: 7.16 ng
RT: 14.29 min Scan# 1068
Delta R.T. 0.08 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Instrument :
BNA_F
ClientSampled :
CONC3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	21.4	15.0	22.4

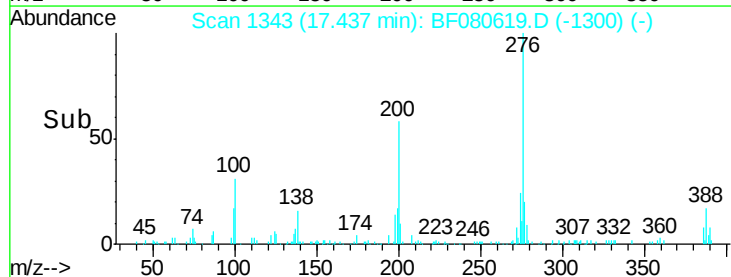
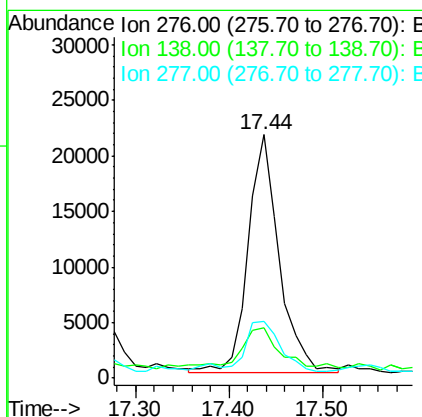
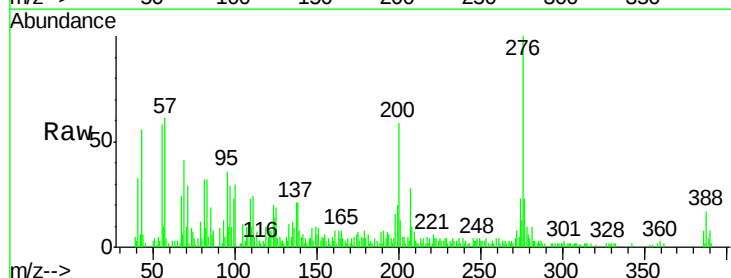
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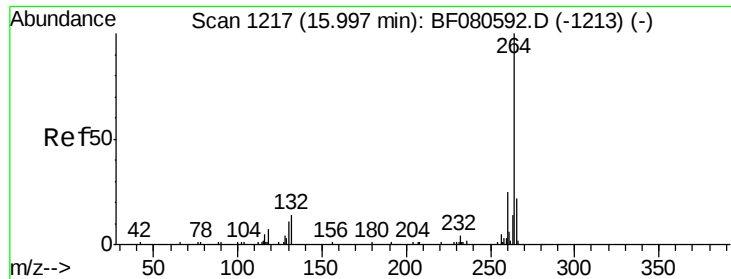
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.75 ng
RT: 17.44 min Scan# 1343
Delta R.T. 0.19 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.9	28.3
277	26.0	19.9	29.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.93 min Scan# 1211

Delta R.T. 0.18 min

Lab File: BF080619.D

Acq: 24 Jul 2015 4:55

Instrument :

BNA_F

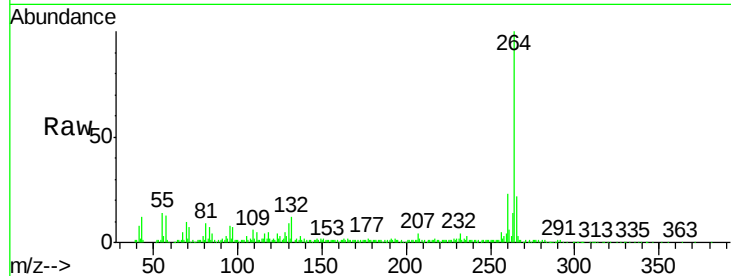
ClientSampleId :

CONC3

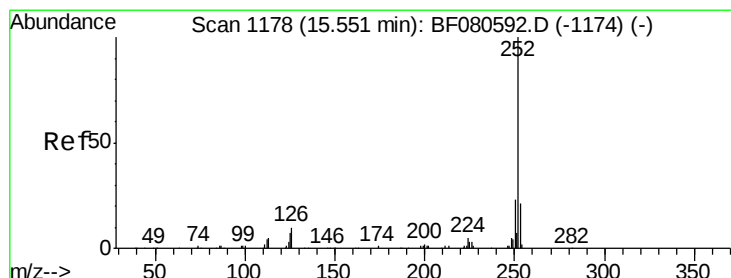
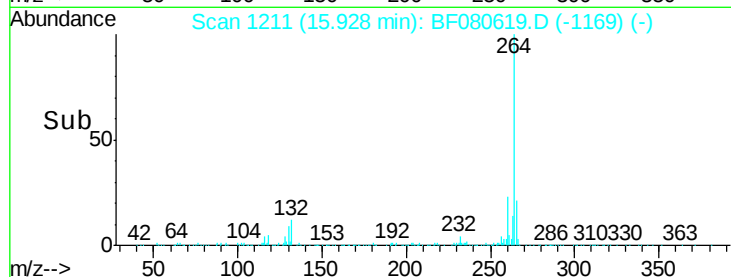
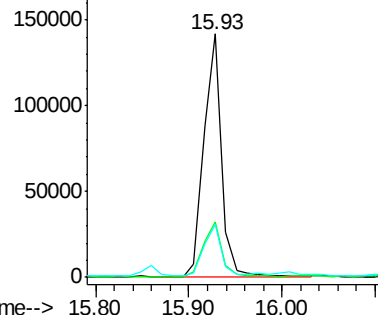
Tgt Ion:	264	Resp:	185299
Ion Ratio		Lower	Upper
264	100		
260	23.0	17.8	26.8
265	21.7	15.6	23.4

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



#87

Benzo(b)fluoranthene

Concen: 9.08 ng m

RT: 15.48 min Scan# 1172

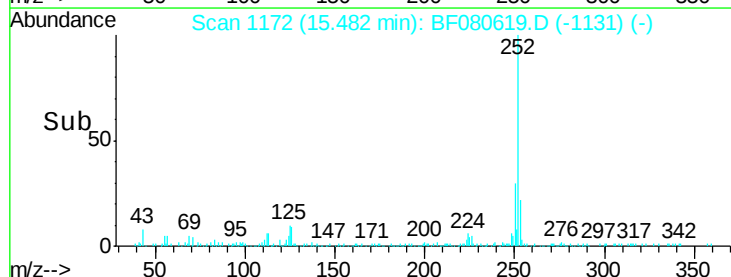
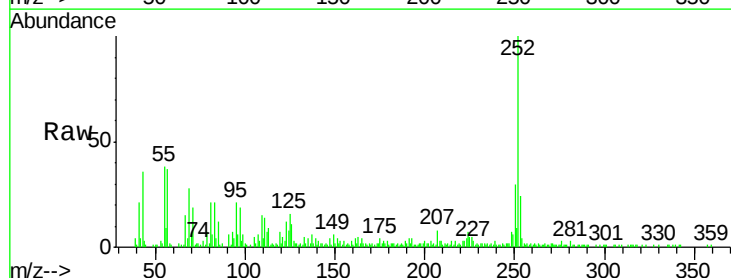
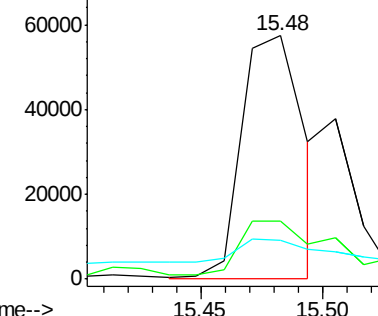
Delta R.T. 0.17 min

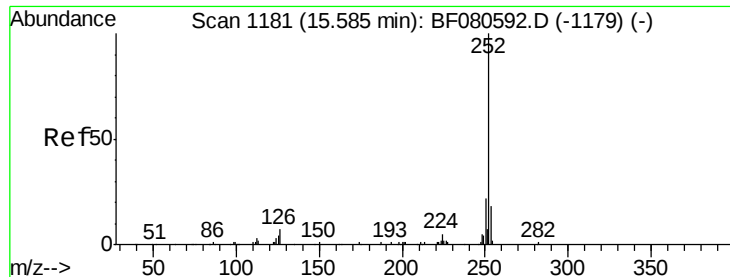
Lab File: BF080619.D

Acq: 24 Jul 2015 4:55

Tgt Ion:	252	Resp:	102325
Ion Ratio		Lower	Upper
252	100		
253	23.9	16.6	25.0
125	15.9	6.1	9.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





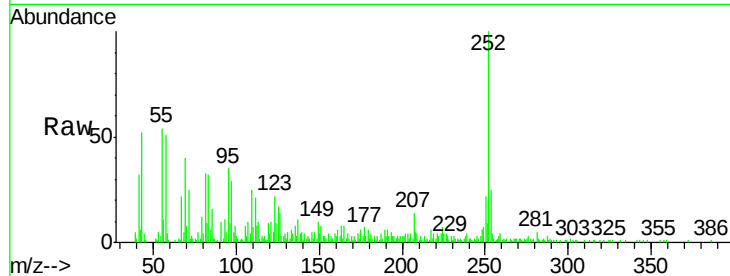
#88
Benzo(k)fluoranthene
Concen: 3.30 ng m
RT: 15.51 min Scan# 1174
Delta R.T. 0.16 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

Instrument :
BNA_F
ClientSampleId :
CONC3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	16.8	8.6	13.0

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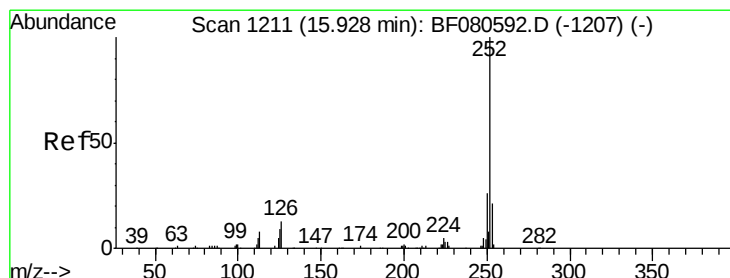
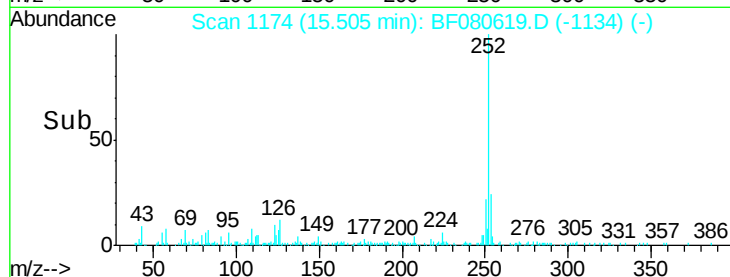
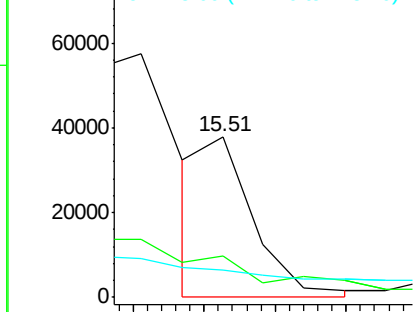


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 6.99 ng
RT: 15.86 min Scan# 1205
Delta R.T. 0.17 min
Lab File: BF080619.D
Acq: 24 Jul 2015 4:55

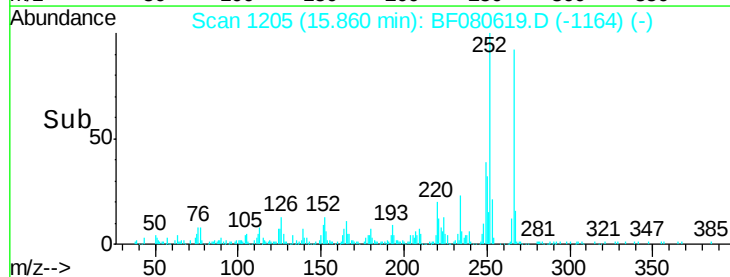
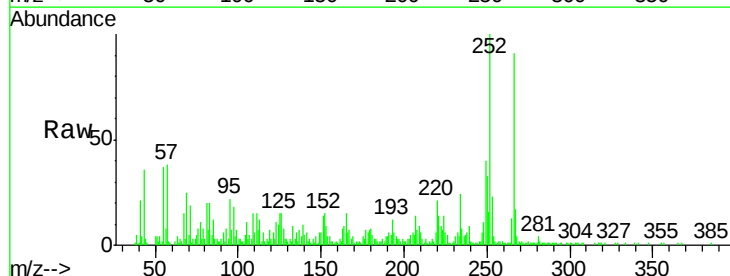
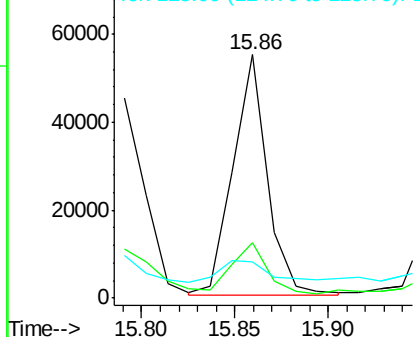
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.0	28.6
125	15.1	11.2	16.8

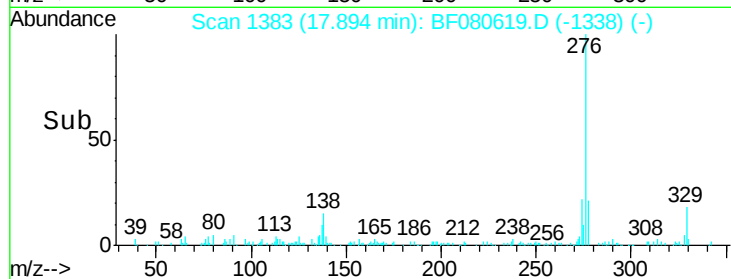
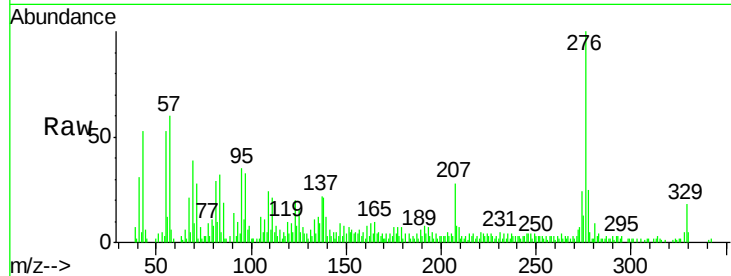
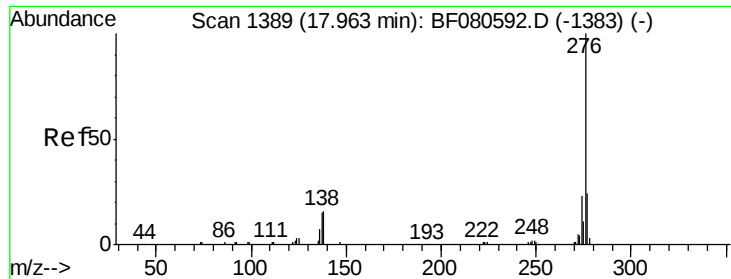
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.25 ng

RT: 17.89 min Scan# 1383

Delta R.T. 0.22 min

Lab File: BF080619.D

Acq: 24 Jul 2015 4:55

Tgt Ion:	276	Resp:	50659
Ion Ratio		Lower	Upper
276	100		
277	25.4	18.0	27.0
138	20.9	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

CONC3

Manual Integrations
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