

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
 Data File : BF080666.D
 Acq On : 25 Jul 2015 12:45
 Operator : TP/UM
 Sample : G3054-03RE
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC3RE

Manual Integrations
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Quant Time: Jul 27 02:52:37 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 25 04:28:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	33870	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	111209	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	58394	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	103059	20.00	ng	0.00
75) Chrysene-d12	14.23	240	176113	20.00	ng	0.07
86) Perylene-d12	15.87	264	204568	20.00	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	18998	9.44	ng	0.00
7) Phenol-d6	6.54	99	46903	19.52	ng	0.00
23) Nitrobenzene-d5	7.49	82	28524	12.88	ng	0.00
41) 2,4,6-Tribromophenol	10.76	330	457	0.87	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	51242	13.54	ng	-0.01
78) Terphenyl-d14	13.07	244	59862	7.32	ng	0.01
Target Compounds						Qvalue
6) Aniline	6.59	93	17878	5.26	ng	94
14) 1,2-Dichlorobenzene	7.10	146	6027	2.48	ng	93
15) Benzyl Alcohol	7.06	79	6898	3.46	ng	95
24) Nitrobenzene	7.50	77	27168	12.31	ng	97
49) Dimethylphthalate	9.69	163	14780	3.54	ng	# 99
62) Azobenzene	10.67	77	9056	2.28	ng	94
70) Phenanthrene	11.48	178	65890	11.58	ng	97
71) Anthracene	11.54	178	16280	2.97	ng	97
74) Fluoranthene	12.68	202	107593	19.57	ng	97
77) Pyrene	12.92	202	99476	9.02	ng	97
80) Benzo(a)anthracene	14.21	228	84159	8.14	ng	99
82) Chrysene	14.26	228	67874	7.01	ng	95
85) Indeno(1,2,3-cd)pyrene	17.37	276	54271	5.58	ng	97
87) Benzo(b)fluoranthene	15.43	252	113461m	9.15	ng	
88) Benzo(k)fluoranthene	15.46	252	34258m	3.09	ng	
89) Benzo(a)pyrene	15.80	252	74914	6.72	ng	# 87
91) Benzo(g,h,i)perylene	17.81	276	56153	4.71	ng	98

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

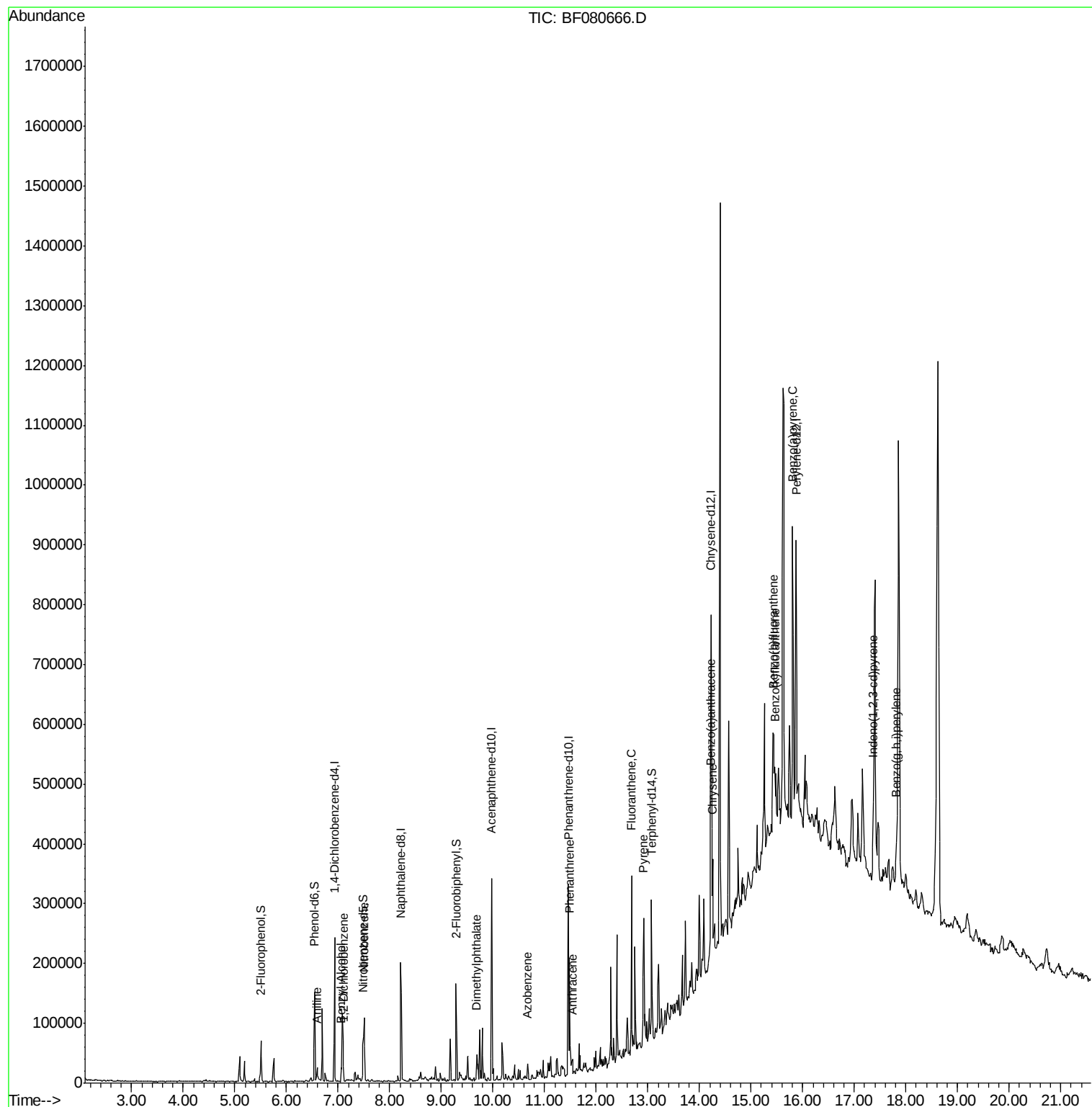
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072415\
Data File : BF080666.D
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ALS Vial : 37 Sample Multiplier: 1

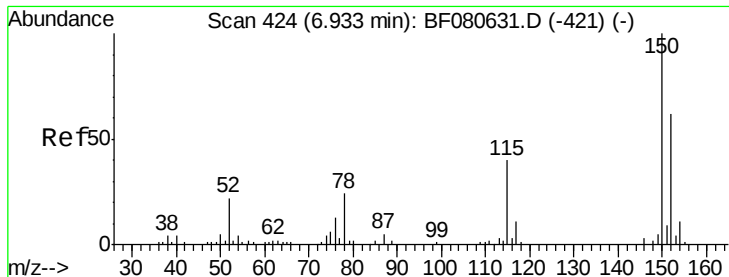
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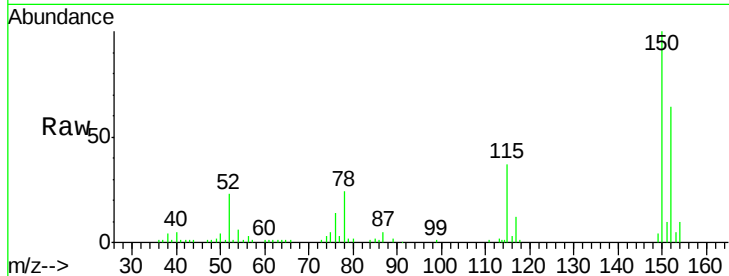




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

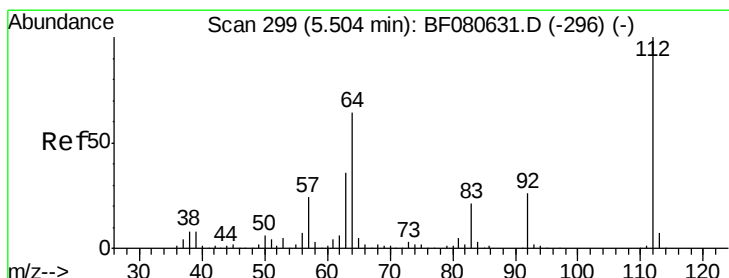
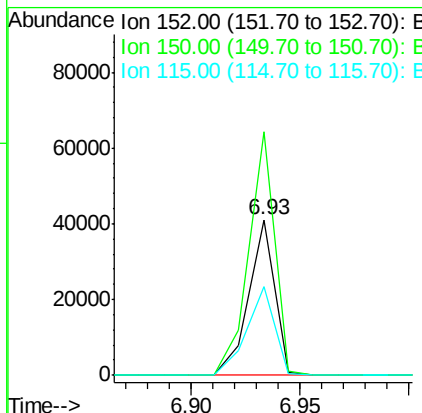
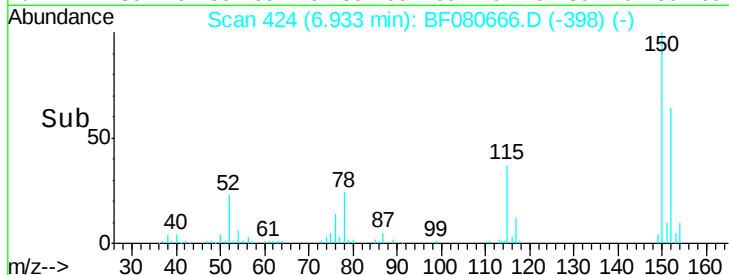
Instrument :
BNA_F
ClientSampleId :
CONC3RE



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	128.9	193.3
115	57.3	51.0	76.6

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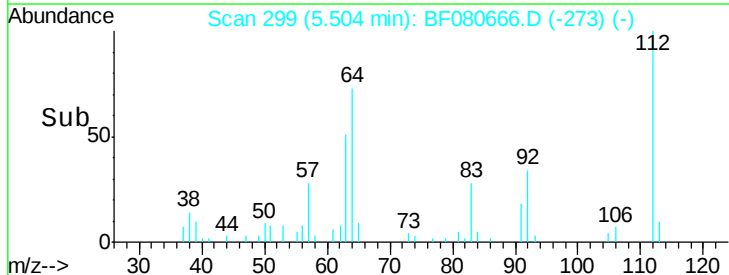
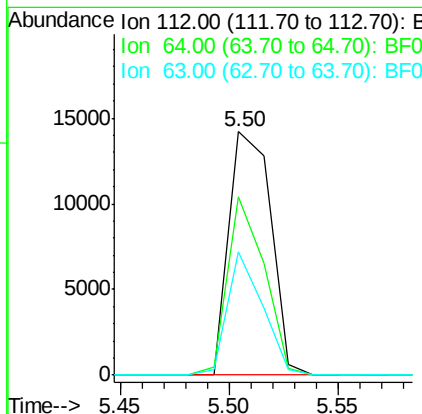
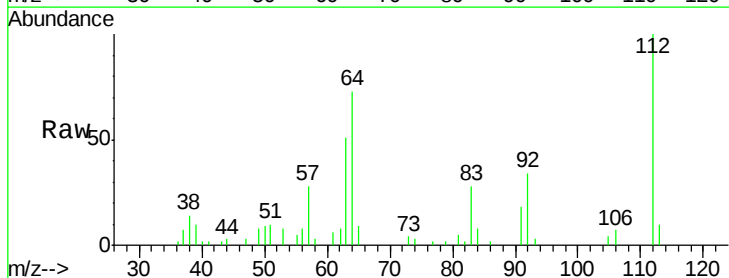
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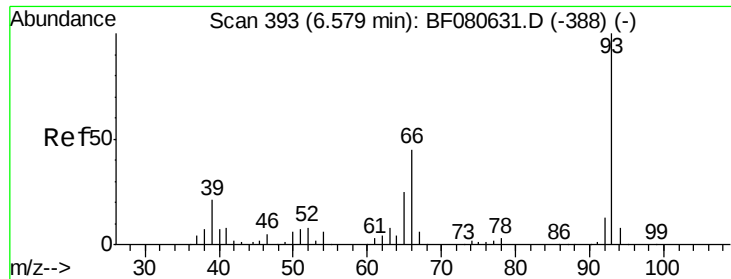


#5

2-Fluorophenol
Concen: 9.44 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	51.2	76.8
63	50.6	29.0	43.6





#6

Aniline

Concen: 5.26 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF080666.D

Acq: 25 Jul 2015 12:45

Instrument :

BNA_F

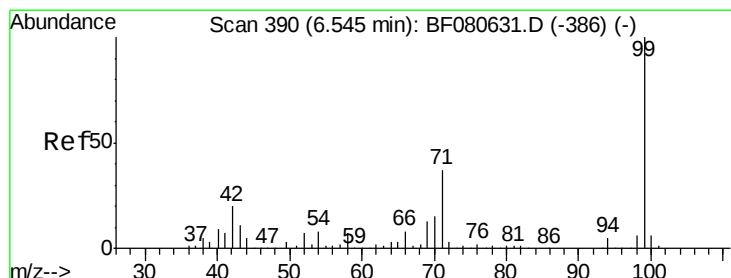
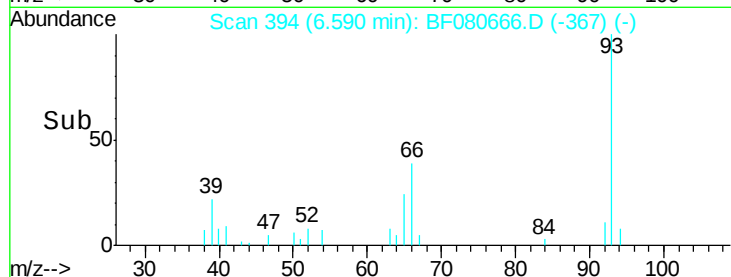
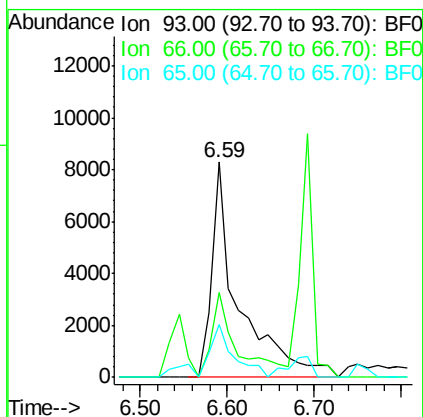
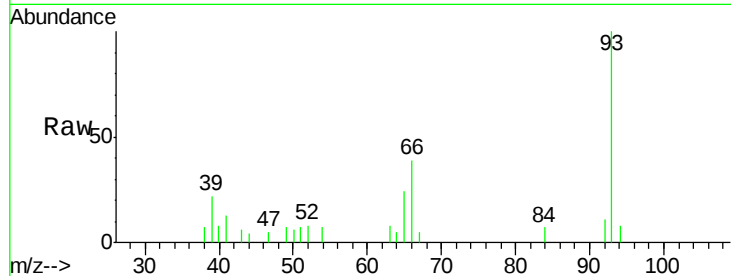
ClientSampleId :

CONC3RE

Tgt Ion:	93	Resp:	17878
Ion	Ratio	Lower	Upper
93	100		
66	39.5	36.3	54.5
65	24.3	19.9	29.9

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#7

Phenol-d6

Concen: 19.52 ng

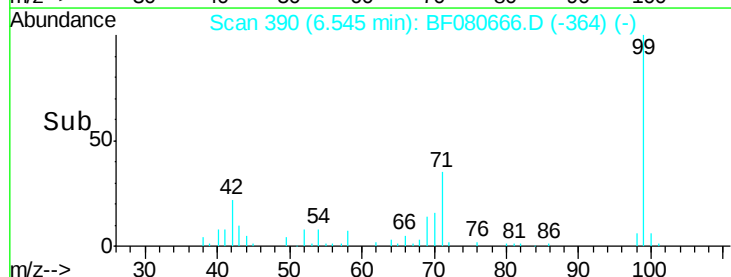
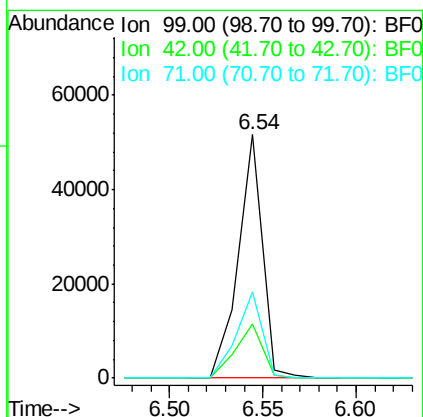
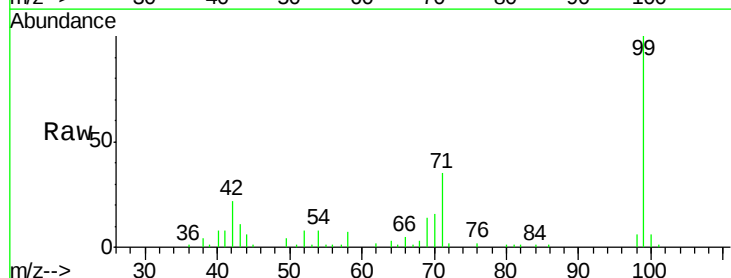
RT: 6.54 min Scan# 390

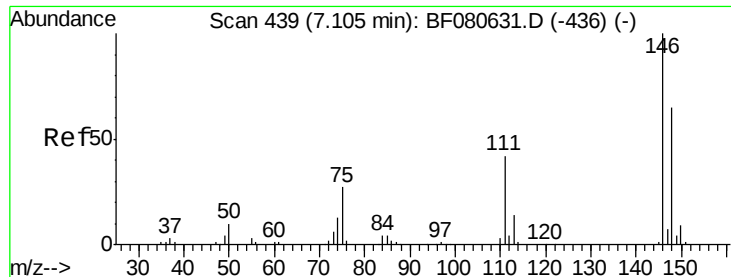
Delta R.T. 0.00 min

Lab File: BF080666.D

Acq: 25 Jul 2015 12:45

Tgt Ion:	99	Resp:	46903
Ion	Ratio	Lower	Upper
99	100		
42	22.5	16.3	24.5
71	35.4	29.7	44.5





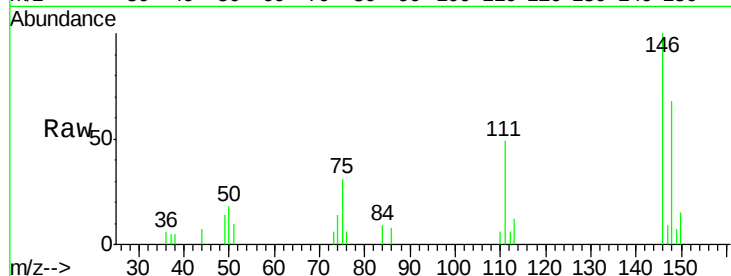
#14
1,2-Dichlorobenzene
Concen: 2.48 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Instrument :
BNA_F
ClientSampleId :
CONC3RE

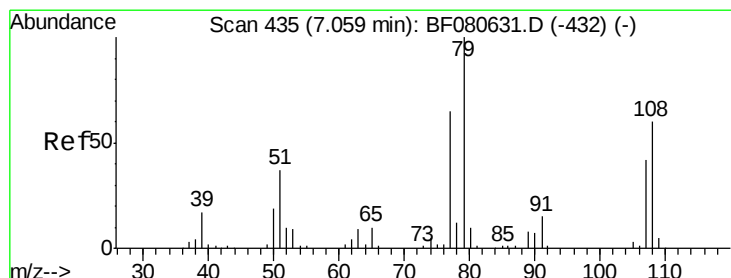
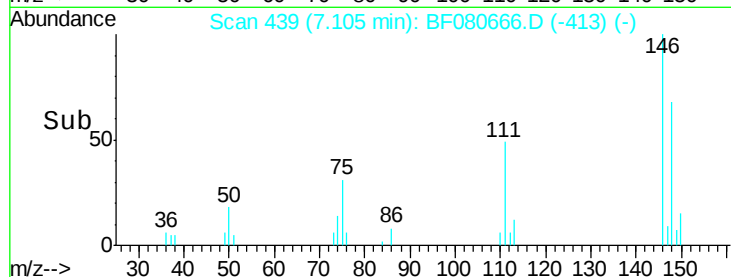
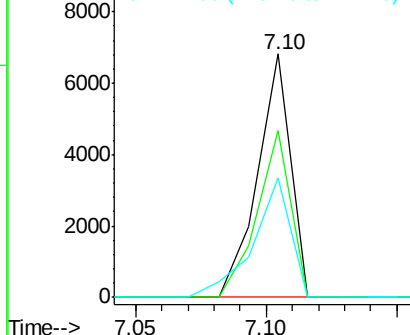
Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.3	51.6	77.4
111	48.9	33.4	50.0

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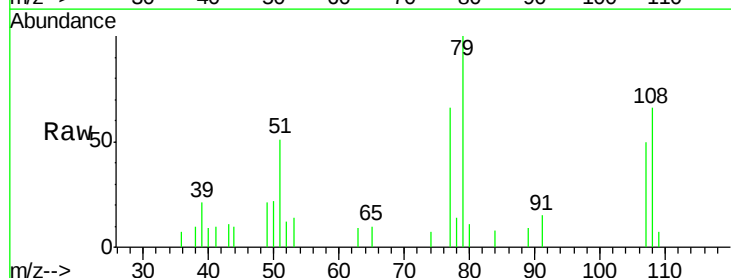


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

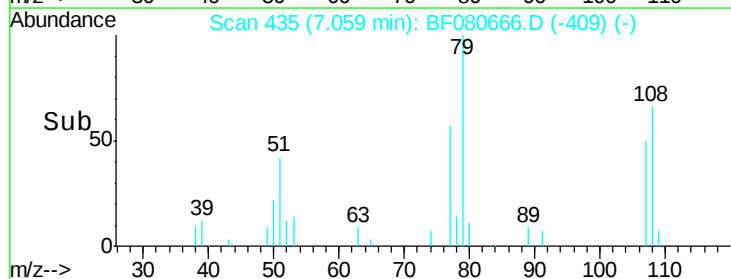
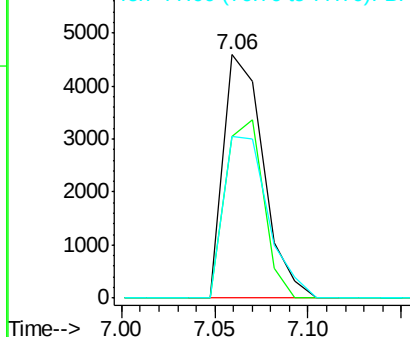


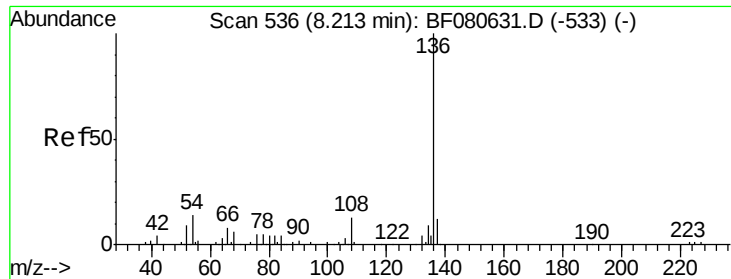
#15
Benzyl Alcohol
Concen: 3.46 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
79	100		
108	66.3	47.8	71.8
77	66.3	51.6	77.4



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: 8.21 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF080666.D

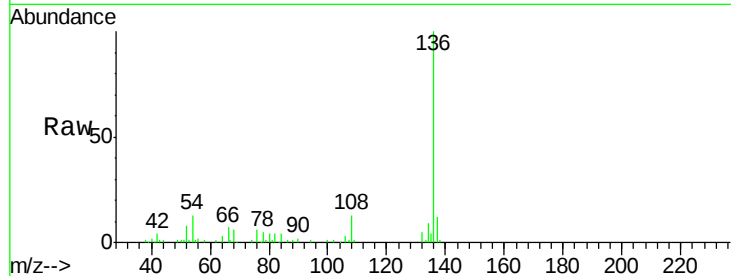
Acq: 25 Jul 2015 12:45

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 136 Resp: 111209

Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

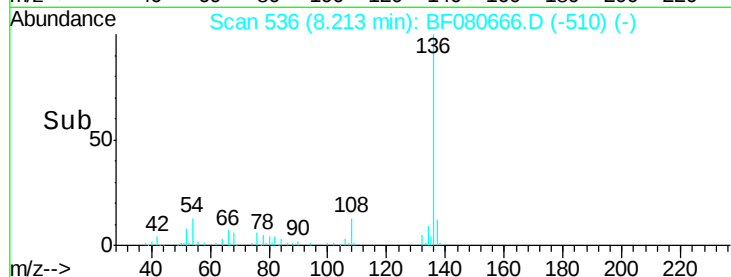
54 13.4 11.6 17.4

68 6.4 5.0 7.4

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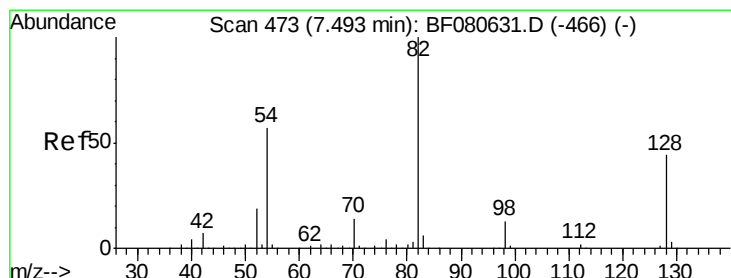
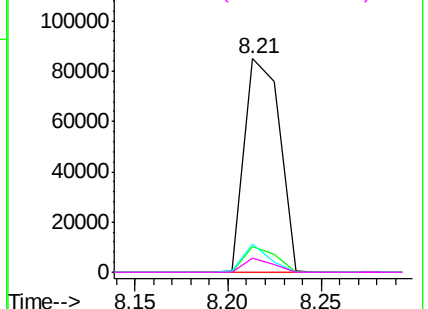


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.88 ng

RT: 7.49 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF080666.D

Acq: 25 Jul 2015 12:45

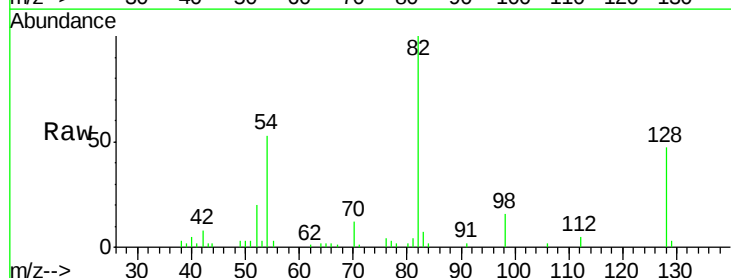
Tgt Ion: 82 Resp: 28524

Ion Ratio Lower Upper

82 100

128 47.1 34.8 52.2

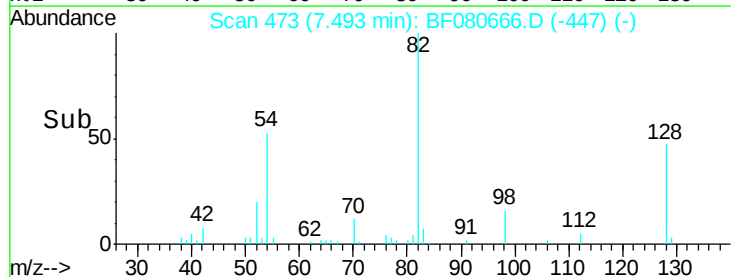
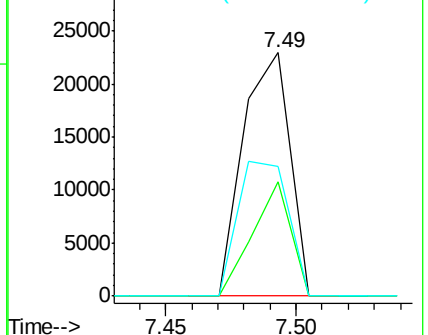
54 53.4 45.4 68.0

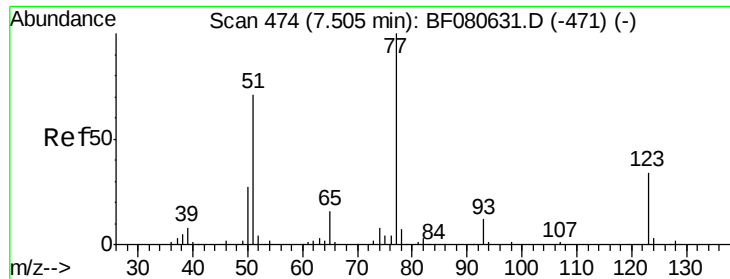


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





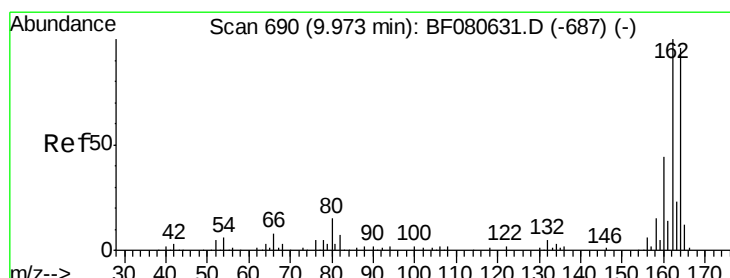
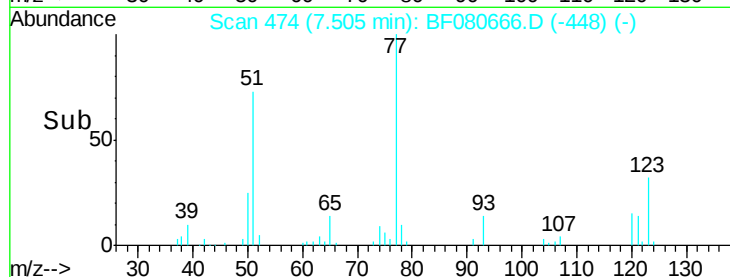
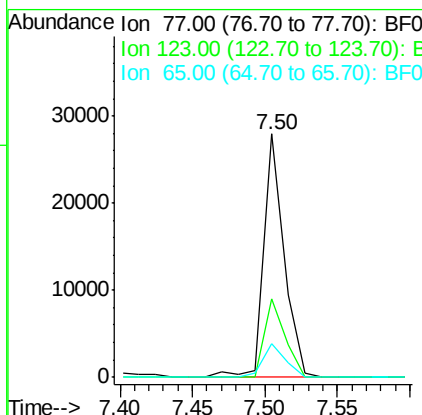
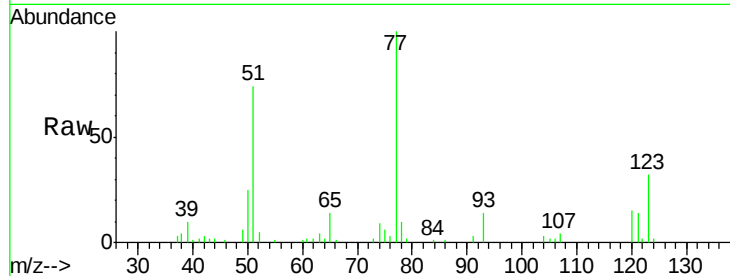
#24
 Nitrobenzene
 Concen: 12.31 ng
 RT: 7.50 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Instrument :
 BNA_F
 ClientSampleId :
 CONC3RE

Tgt Ion	Ratio	Lower	Upper
77	100		
123	32.4	27.1	40.7
65	14.0	12.6	18.8

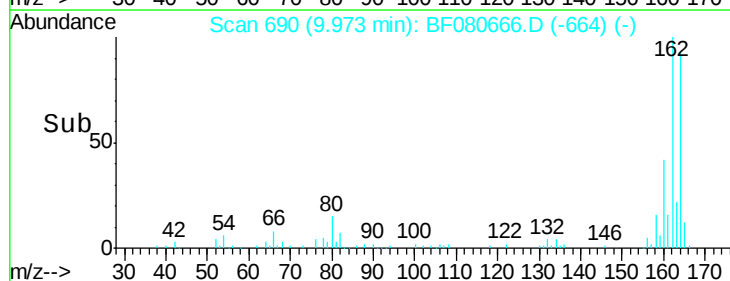
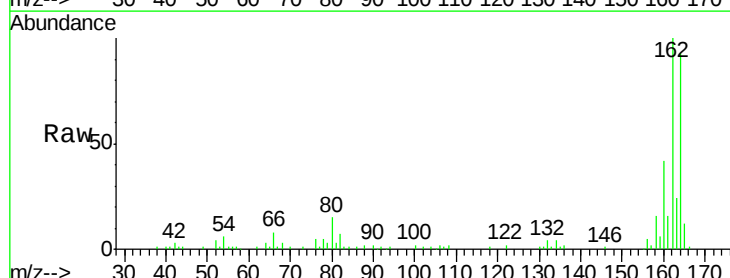
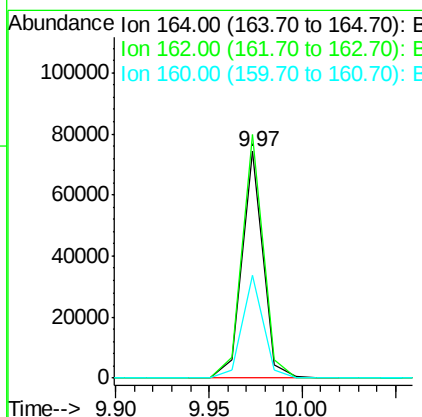
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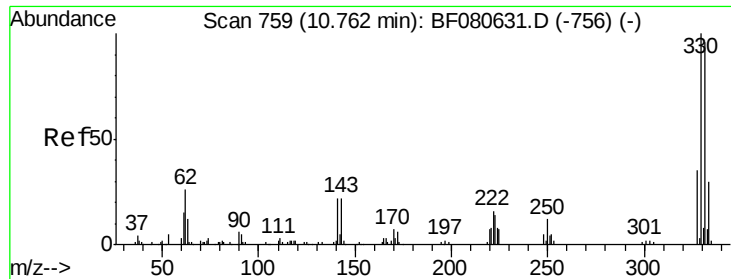
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.5	83.3	124.9
160	45.4	36.9	55.3





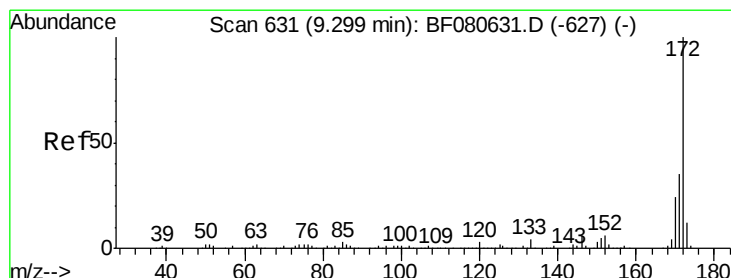
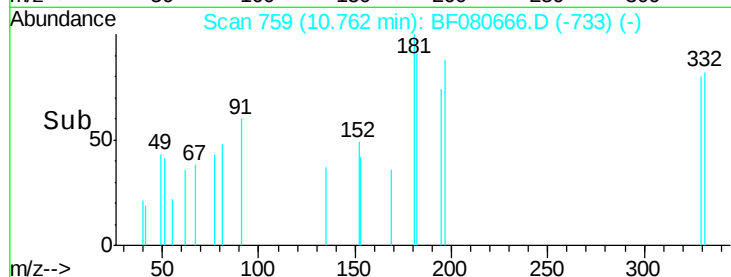
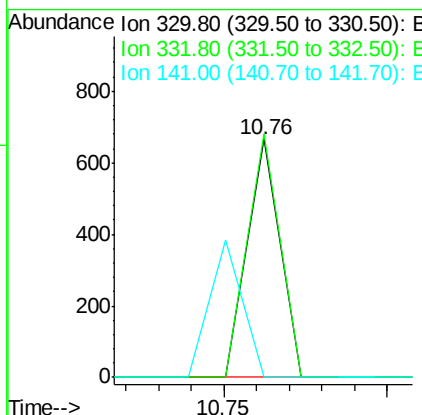
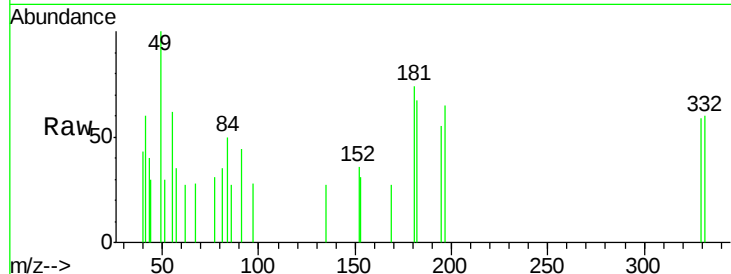
#41
 2,4,6-Tribromophenol
 Concen: 0.87 ng
 RT: 10.76 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Instrument :
 BNA_F
 ClientSampled :
 CONC3RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.2	76.7	115.1
141	57.5	32.7	49.1

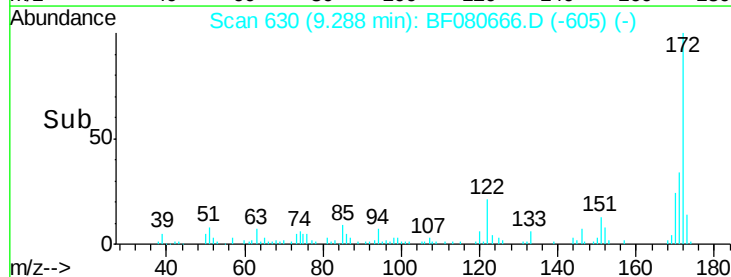
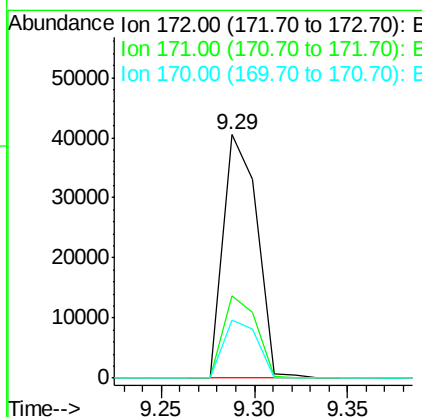
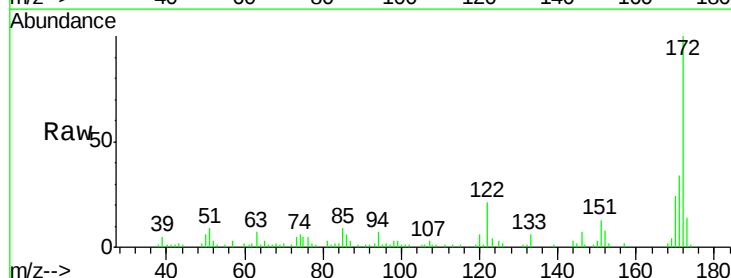
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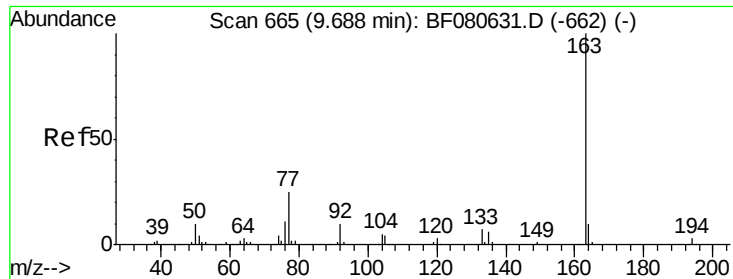
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#44
 2-Fluorobiphenyl
 Concen: 13.54 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.7	41.5
170	24.1	19.0	28.4





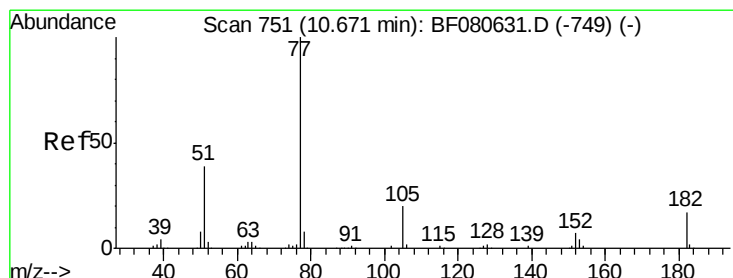
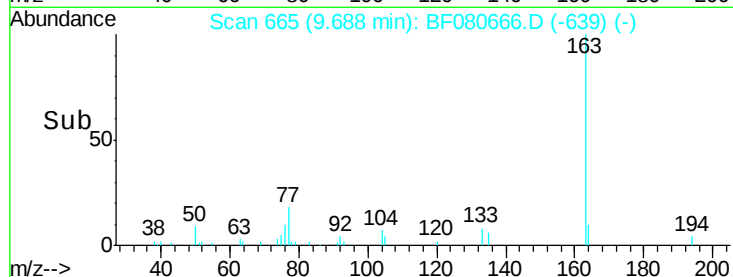
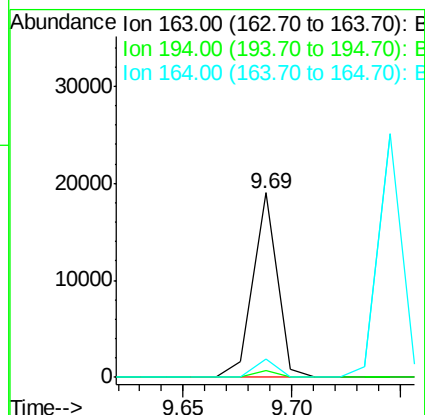
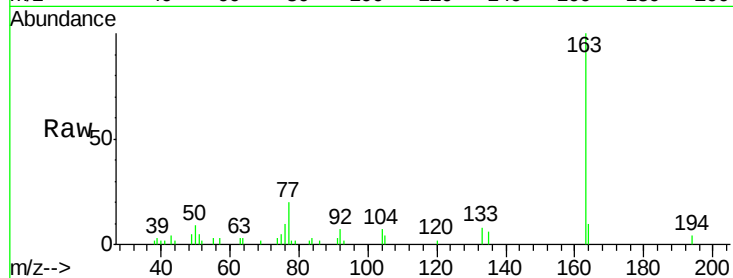
#49
Dimethylphthalate
Concen: 3.54 ng
RT: 9.69 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Instrument :
BNA_F
ClientSampleId :
CONC3RE

Tgt Ion: 163 Resp: 14780
Ion Ratio Lower Upper
163 100
194 4.0 2.5 3.7#
164 10.0 8.0 12.0

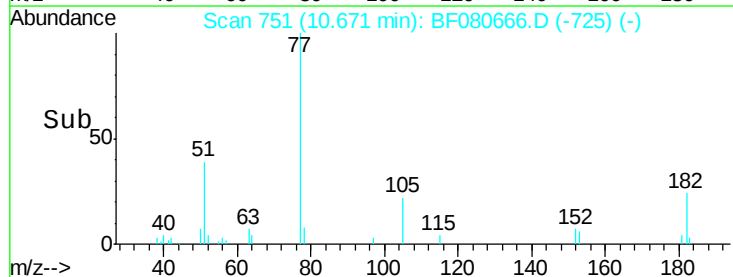
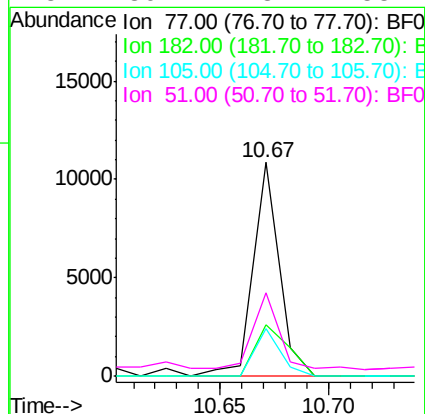
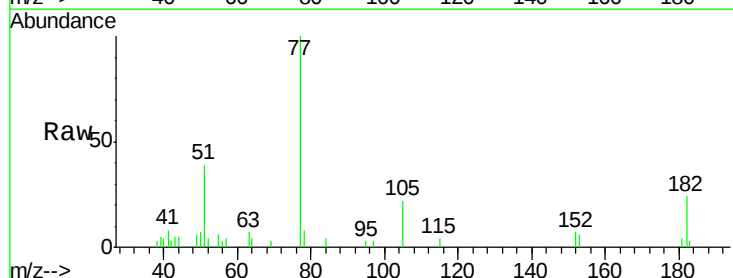
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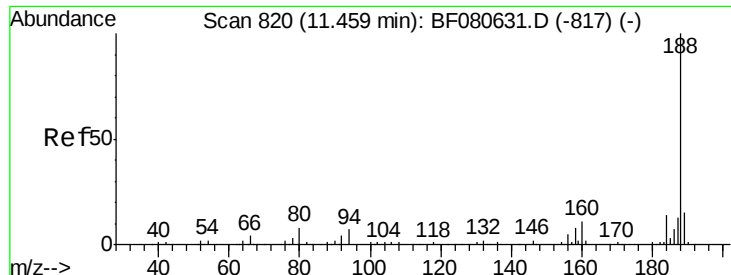
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#62
Azobenzene
Concen: 2.28 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion: 77 Resp: 9056
Ion Ratio Lower Upper
77 100
182 24.2 0.0 36.7
105 22.4 0.0 39.6
51 39.2 18.7 58.7





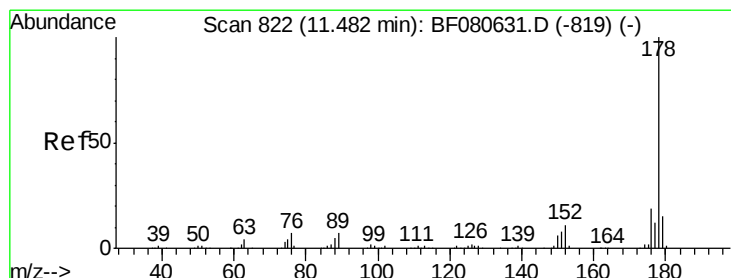
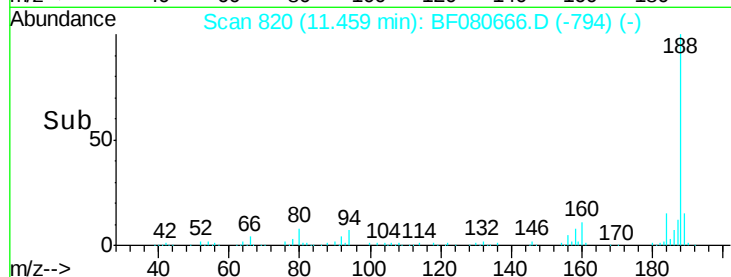
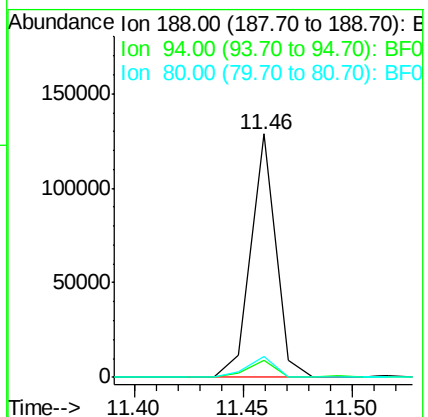
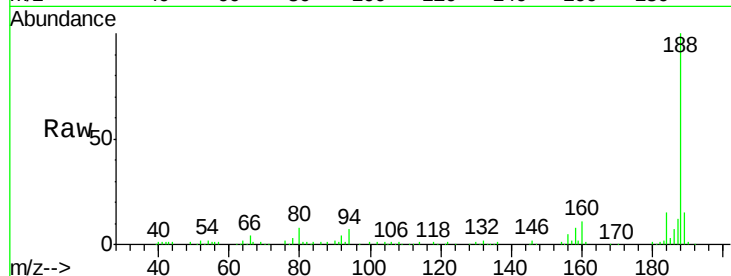
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Instrument :
BNA_F
ClientSampleId :
CONC3RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.2	5.6	8.4
80	8.4	6.1	9.1

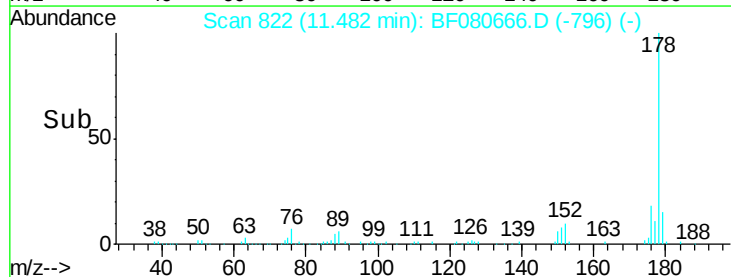
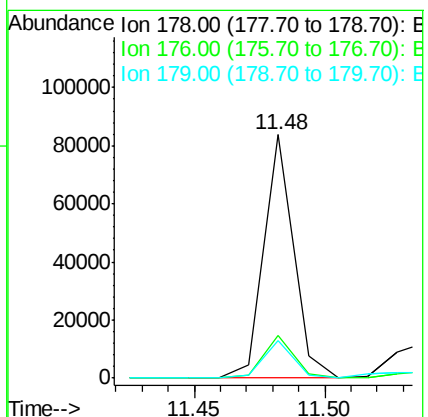
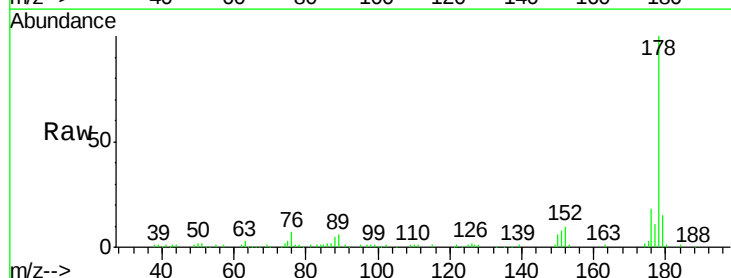
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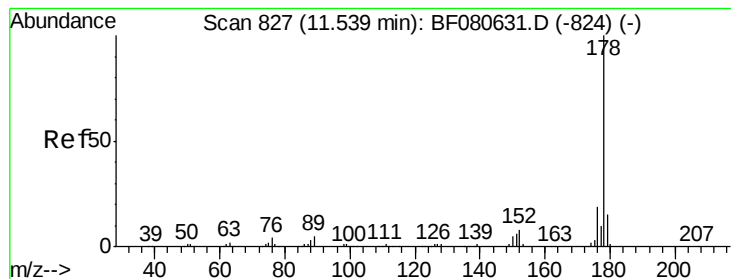
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#70
Phenanthrene
Concen: 11.58 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.7	15.5	23.3
179	15.3	11.8	17.8





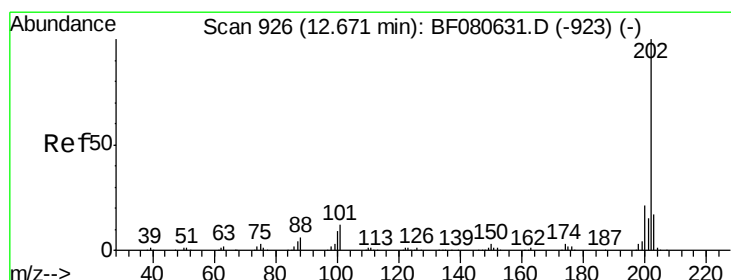
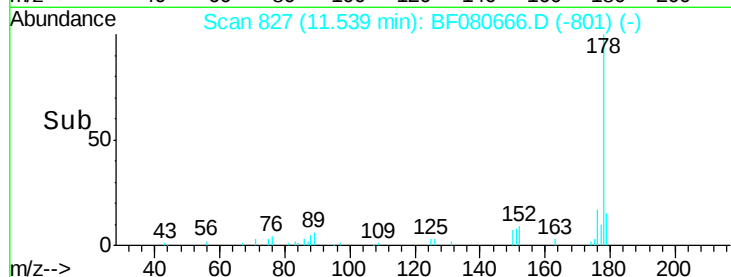
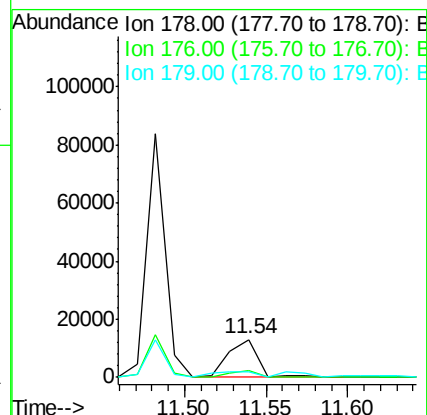
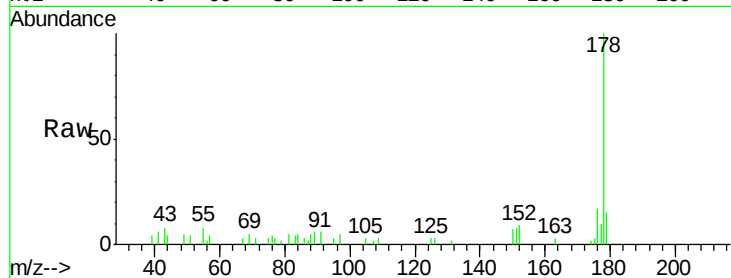
#71
 Anthracene
 Concen: 2.97 ng
 RT: 11.54 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Instrument :
 BNA_F
 ClientSampleId :
 CONC3RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.0	22.6
179	14.8	12.1	18.1

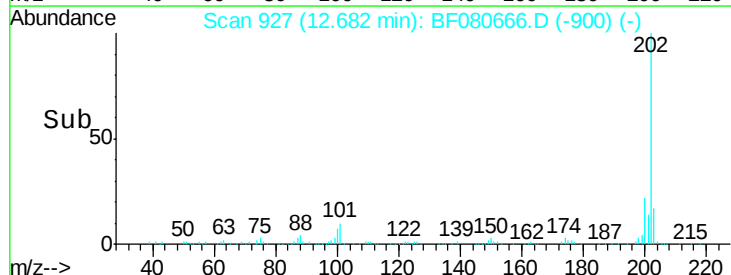
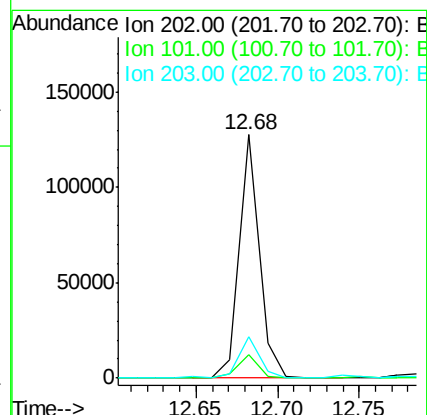
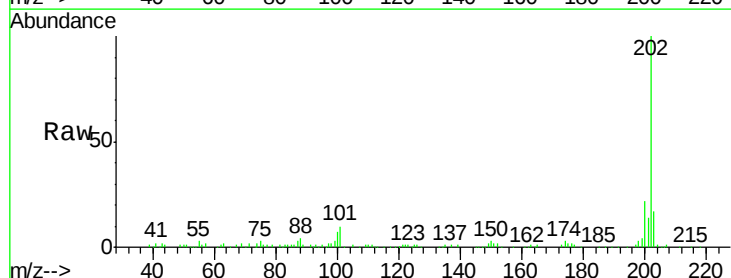
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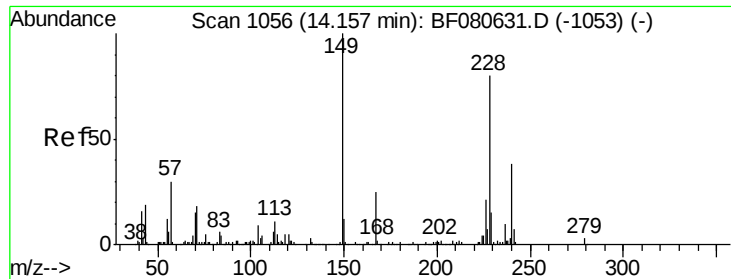
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#74
 Fluoranthene
 Concen: 19.57 ng
 RT: 12.68 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.0
203	16.7	0.0	37.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.23 min Scan# 1062

Delta R.T. 0.07 min

Lab File: BF080666.D

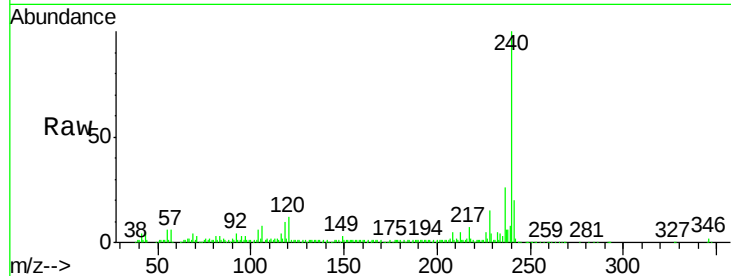
Acq: 25 Jul 2015 12:45

Instrument :

BNA_F

ClientSampleId :

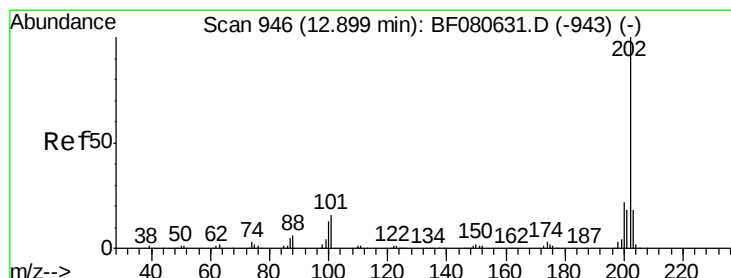
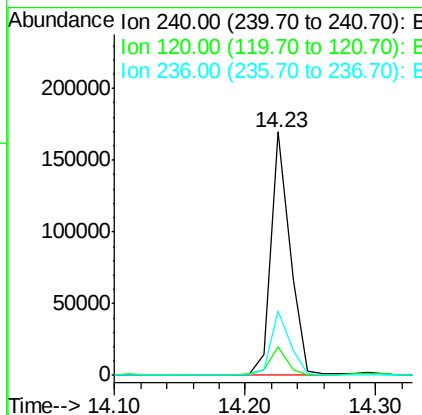
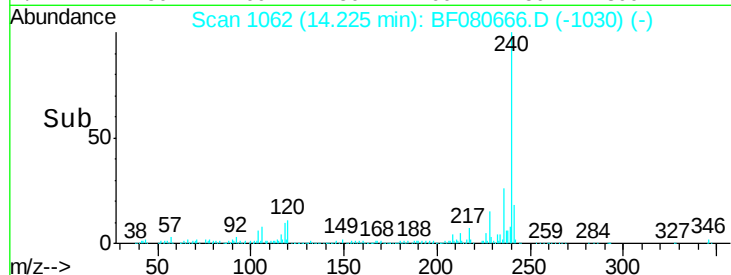
CONC3RE



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	176113		
120	11.7	10.8	16.2	
236	26.3	20.3	30.5	

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#77

Pyrene

Concen: 9.02 ng

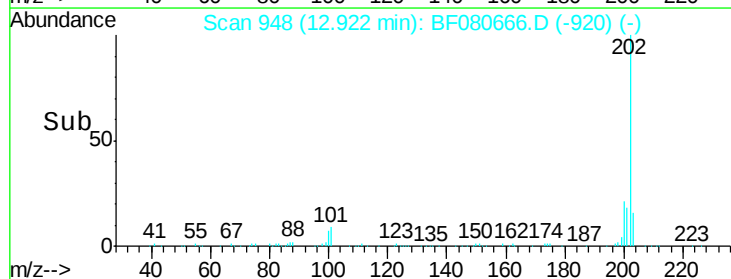
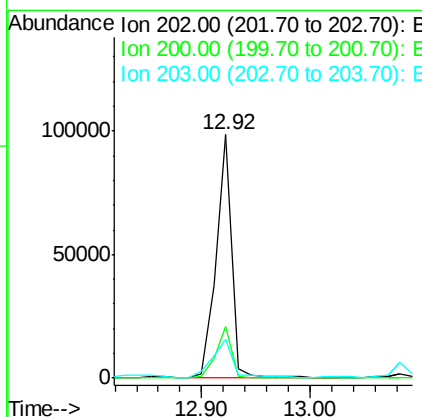
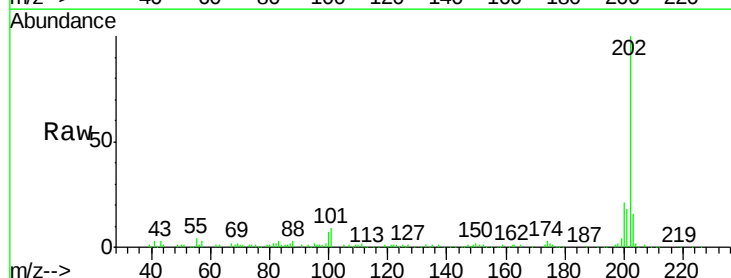
RT: 12.92 min Scan# 948

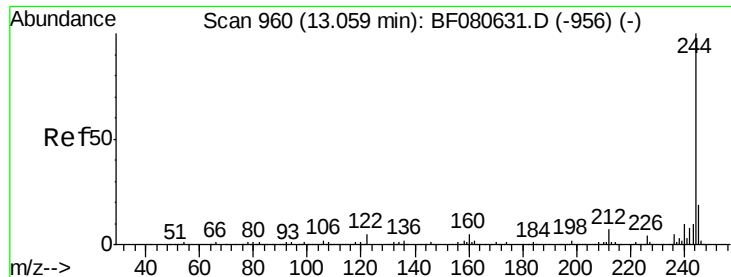
Delta R.T. 0.02 min

Lab File: BF080666.D

Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	99476		
200	20.9	17.4	26.0	
203	16.2	14.6	22.0	





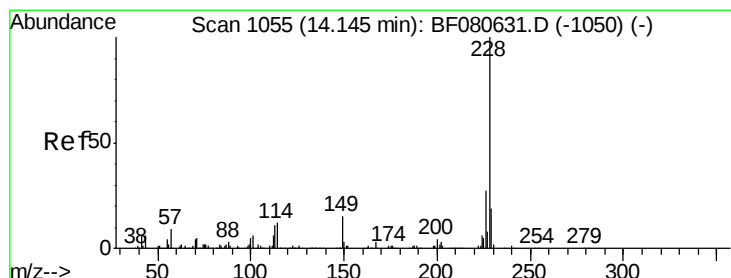
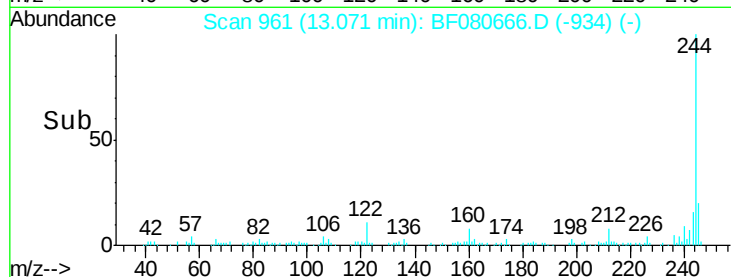
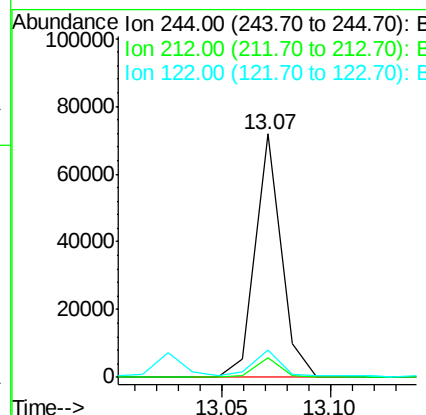
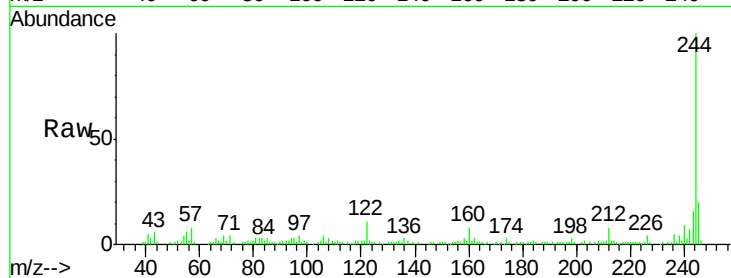
#78
 Terphenyl-d14
 Concen: 7.32 ng
 RT: 13.07 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Instrument :
 BNA_F
 ClientSampleId :
 CONC3RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.1	5.2	7.8#
122	11.2	4.1	6.1#

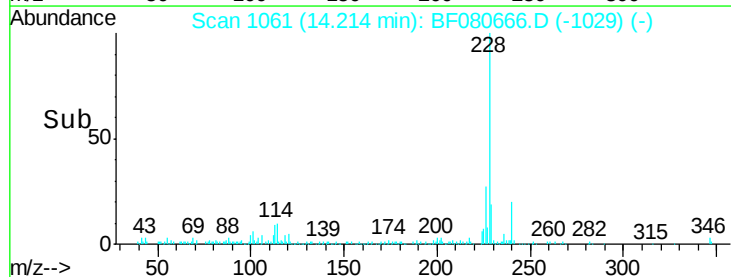
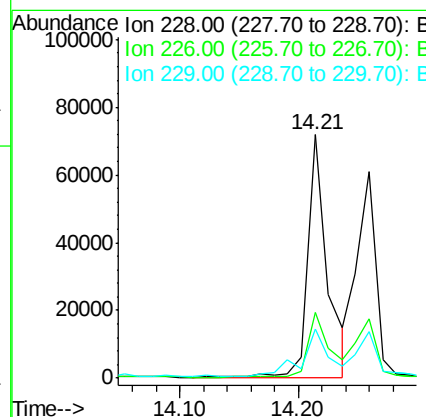
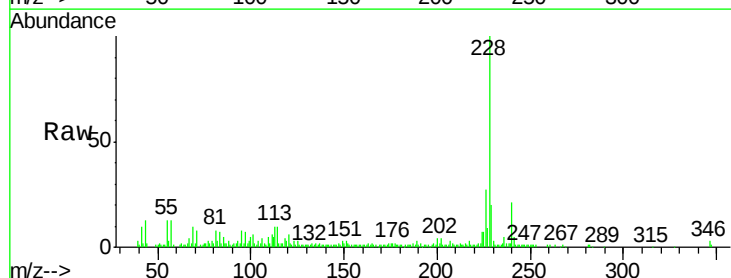
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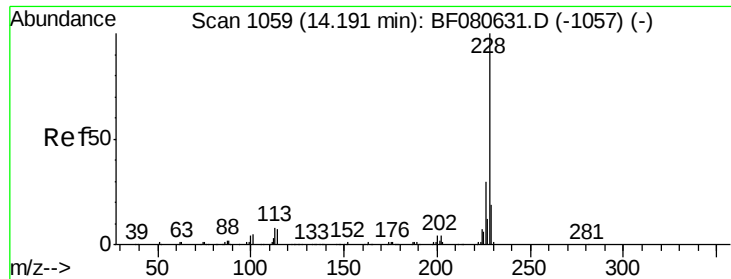
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#80
 Benzo(a)anthracene
 Concen: 8.14 ng
 RT: 14.21 min Scan# 1061
 Delta R.T. 0.07 min
 Lab File: BF080666.D
 Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.7	21.4	32.0
229	20.1	15.4	23.0





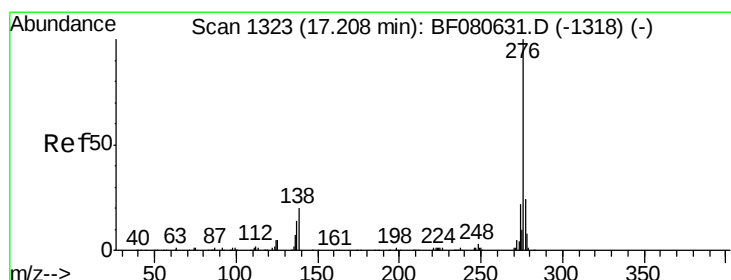
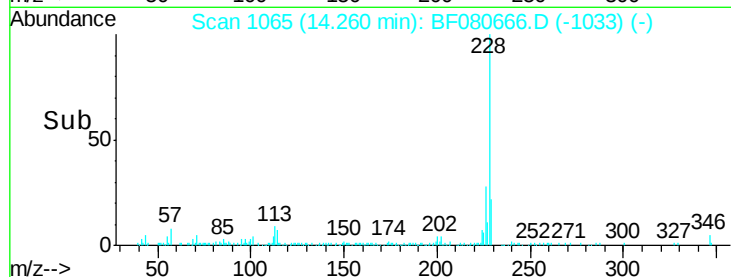
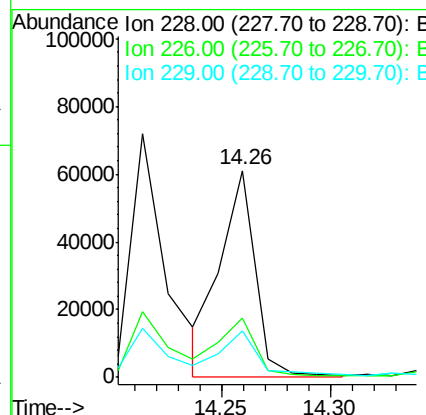
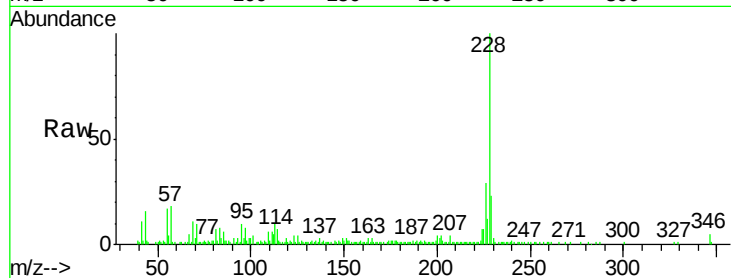
#82
Chrysene
Concen: 7.01 ng
RT: 14.26 min Scan# 1065
Delta R.T. 0.07 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Instrument :
BNA_F
ClientSampled :
CONC3RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.4
229	22.6	15.4	23.2

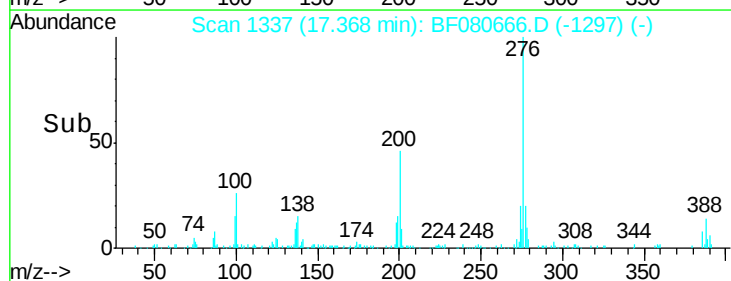
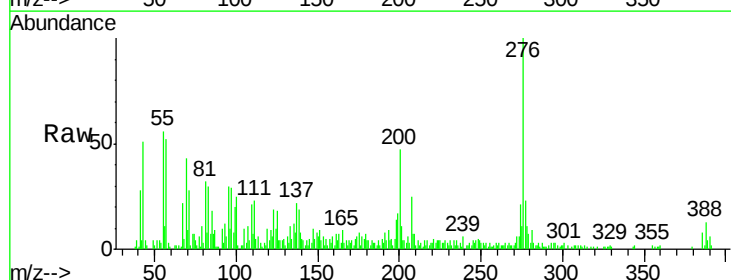
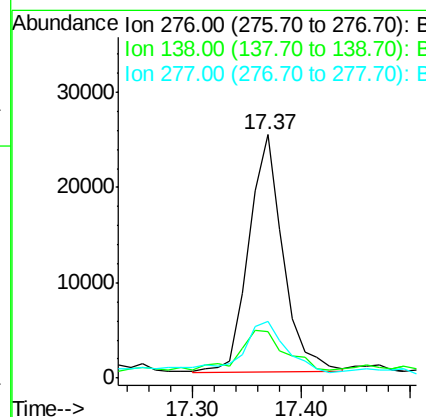
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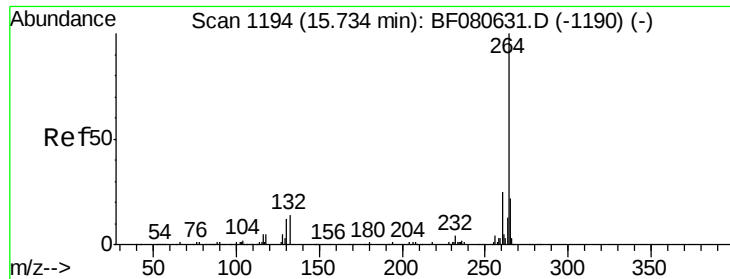
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.58 ng
RT: 17.37 min Scan# 1337
Delta R.T. 0.16 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	17.5	26.3
277	27.0	19.8	29.6





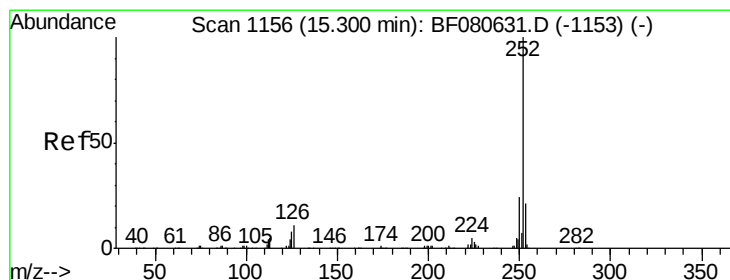
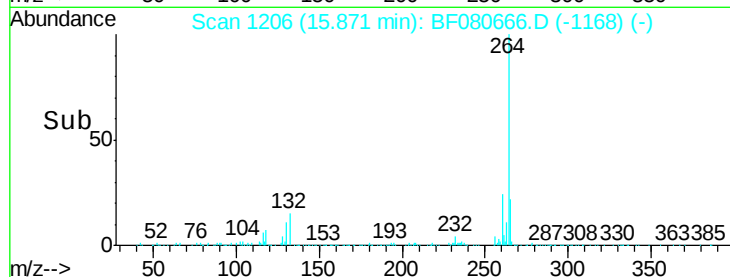
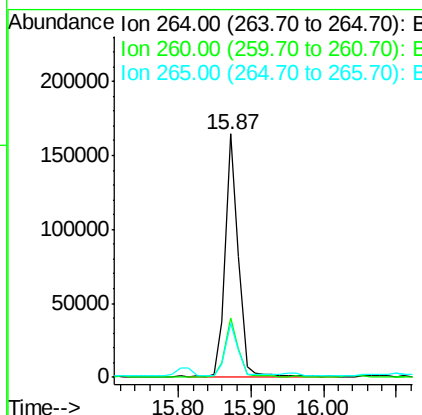
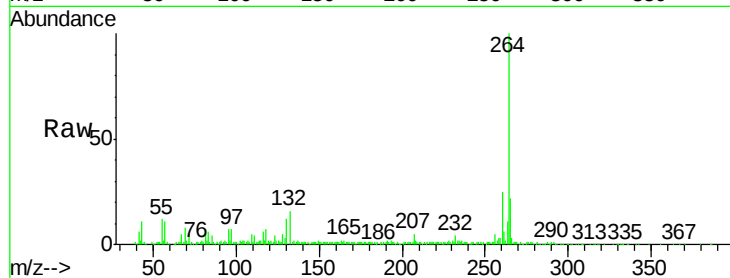
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.87 min Scan# 1206
Delta R.T. 0.14 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Instrument :
BNA_F
ClientSampleId :
CONC3RE

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.6	20.1	30.1
265	22.3	17.4	26.0

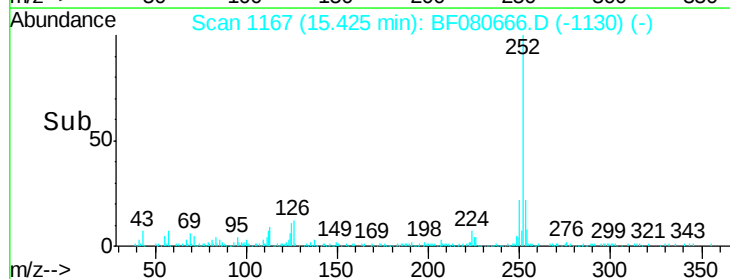
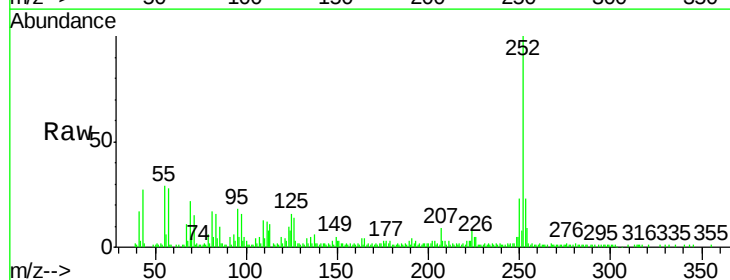
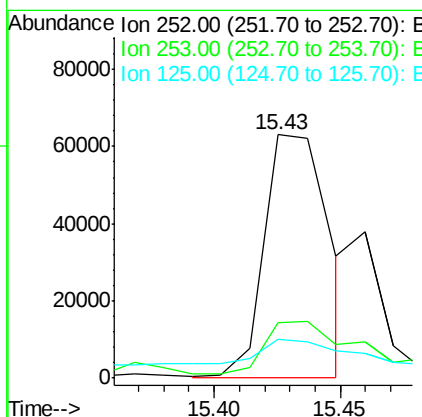
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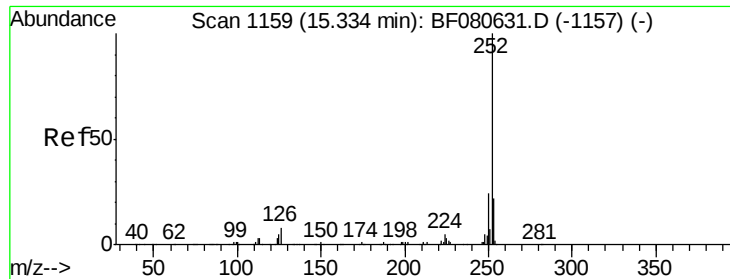
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#87
Benzo(b)fluoranthene
Concen: 9.15 ng m
RT: 15.43 min Scan# 1167
Delta R.T. 0.13 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	17.1	25.7
125	16.0	6.5	9.7#





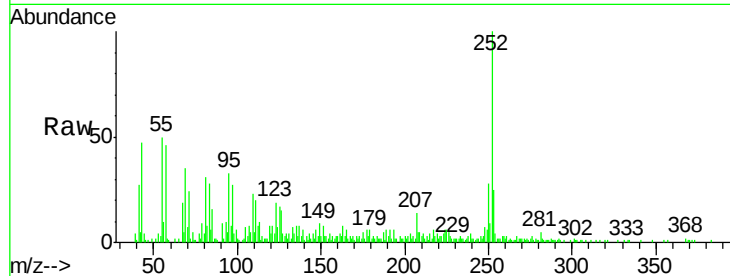
#88
Benzo(k)fluoranthene
Concen: 3.09 ng m
RT: 15.46 min Scan# 1170
Delta R.T. 0.13 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Instrument :
BNA_F
ClientSampleId :
CONC3RE

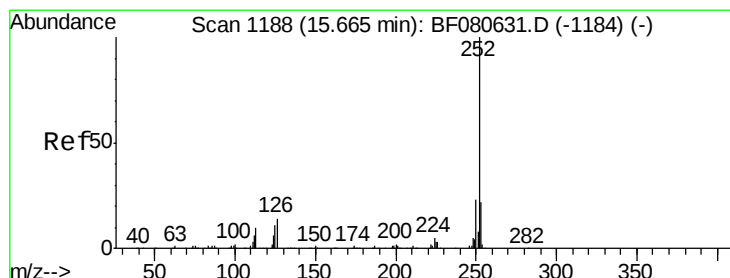
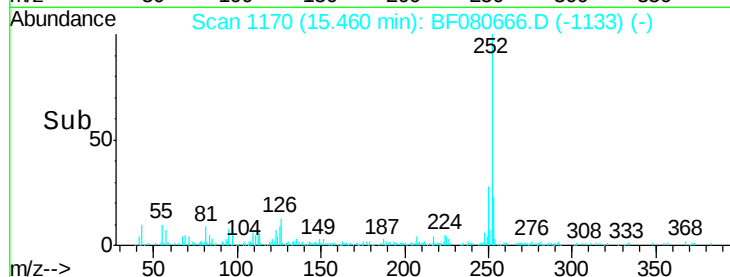
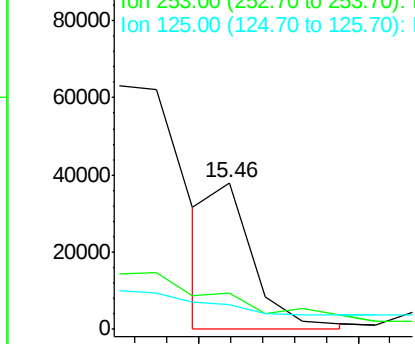
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	16.9	4.6	6.8#

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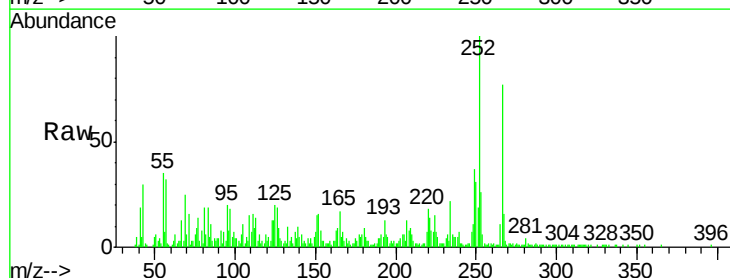


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

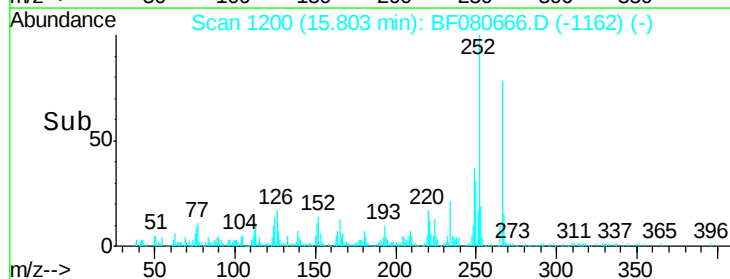
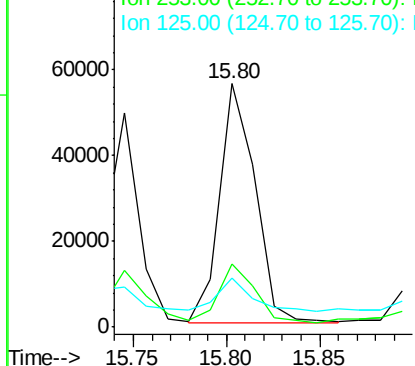


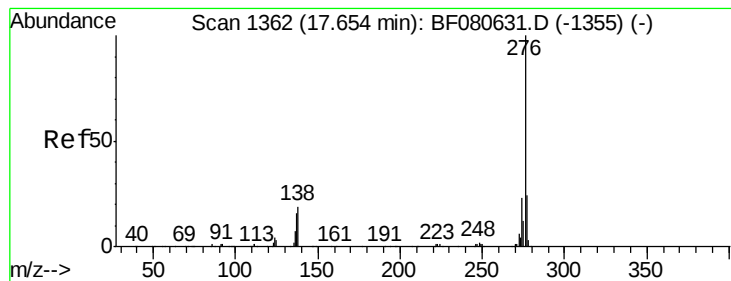
#89
Benzo(a)pyrene
Concen: 6.72 ng
RT: 15.80 min Scan# 1200
Delta R.T. 0.14 min
Lab File: BF080666.D
Acq: 25 Jul 2015 12:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	20.0	9.1	13.7#



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: 4.71 ng

RT: 17.81 min Scan# 1376

Delta R.T. 0.16 min

Lab File: BF080666.D

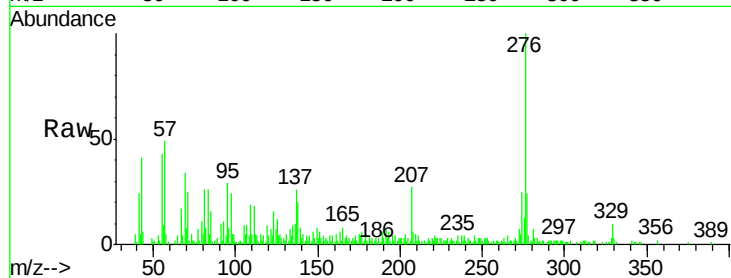
Acq: 25 Jul 2015 12:45

Instrument :

BNA_F

ClientSampleId :

CONC3RE



Tgt Ion:	276	Resp:	56153
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.0	28.4
138	20.3	14.8	22.2

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