

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
 Data File : BF080692.D
 Acq On : 28 Jul 2015 2:01
 Operator : TP/UM
 Sample : G3084-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3

Manual Integrations
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 7/29/2015 10:41:16 AM

Quant Time: Jul 28 15:41:40 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 28 05:06:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	33692	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	107494	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	42286	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	59668	20.00	ng	0.00
75) Chrysene-d12	14.18	240	24050	20.00	ng	-0.07
86) Perylene-d12	15.77	264	12704	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	276866	130.88	ng	0.01
7) Phenol-d6	6.53	99	308366	135.49	ng	0.00
23) Nitrobenzene-d5	7.48	82	207217	99.04	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	43399	117.26	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	289320	86.21	ng	0.00
78) Terphenyl-d14	13.05	244	135631	96.61	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.08	79	4133	2.22	ng	# 38
49) Dimethylphthalate	9.68	163	78846	28.68	ng	97
51) Acenaphthene	10.00	154	14327	5.21	ng	98
54) Dibenzofuran	10.17	168	10374	2.75	ng	98
57) Fluorene	10.51	166	12158	4.24	ng	98
70) Phenanthrene	11.47	178	143131	42.03	ng	98
71) Anthracene	11.53	178	35782	10.81	ng	99
72) Carbazole	11.68	167	13322	4.82	ng	97
74) Fluoranthene	12.67	202	132854	49.74	ng	98
77) Pyrene	12.90	202	111338	55.30	ng	99
80) Benzo(a)anthracene	14.17	228	33231m	23.85	ng	
82) Chrysene	14.20	228	29412	21.17	ng	99
85) Indeno(1,2,3-cd)pyrene	17.24	276	14668	25.03	ng	94
87) Benzo(b)fluoranthene	15.33	252	25037m	27.07	ng	
88) Benzo(k)fluoranthene	15.36	252	4747m	5.60	ng	
89) Benzo(a)pyrene	15.70	252	14417m	20.40	ng	
91) Benzo(a,h,i)perylene	17.68	276	19167	40.68	ng	98

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

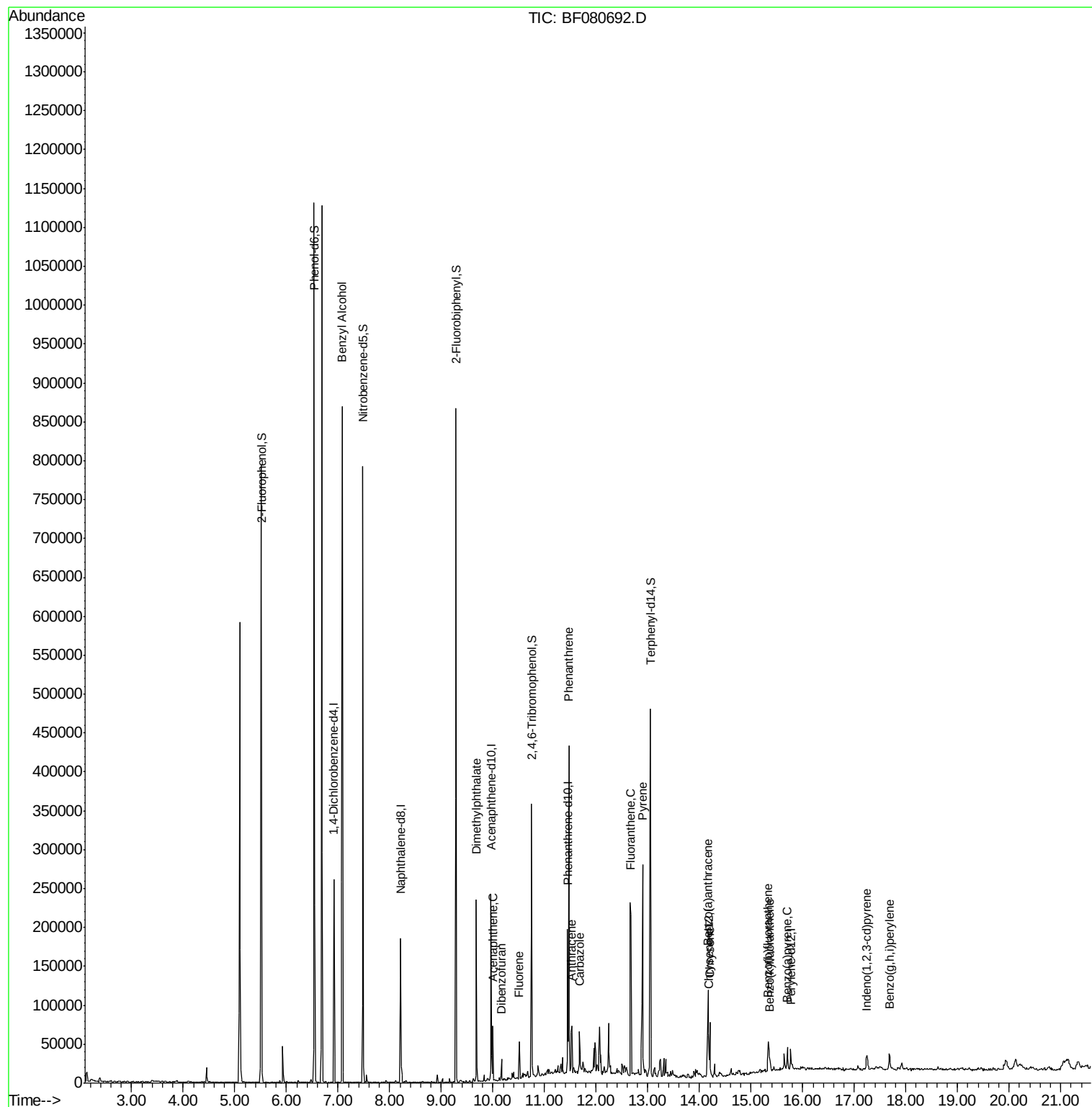
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080692.D
Acq On : 28 Jul 2015 2:01
Operator : TP/UM
Sample : G3084-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

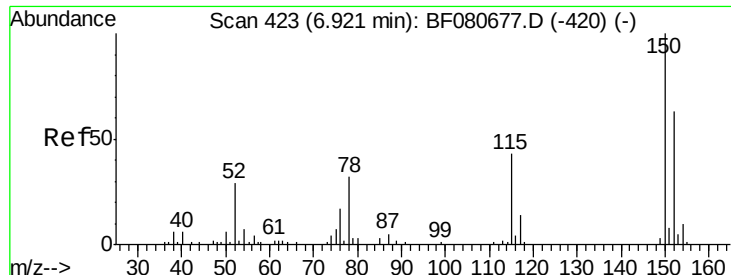
Instrument :
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DUMBO-EP-3

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Quant Time: Jul 28 15:41:40 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072715.M
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#1

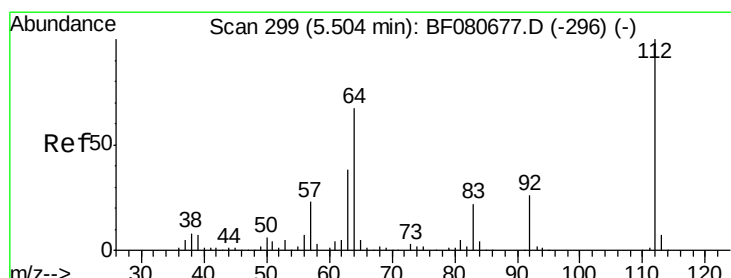
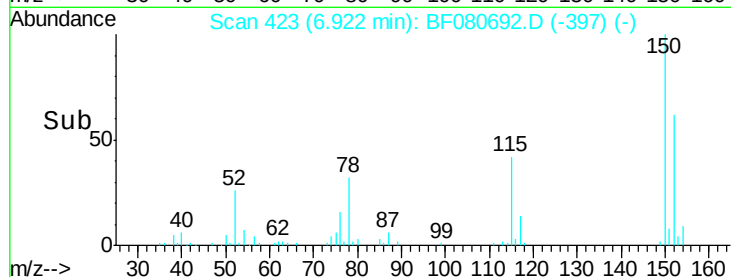
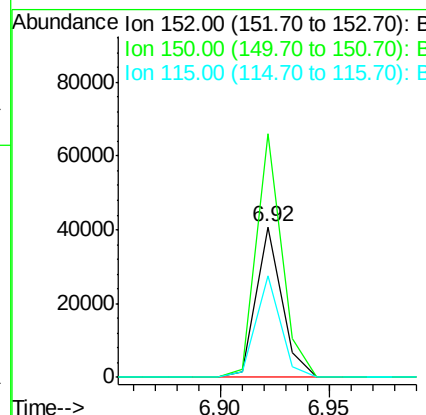
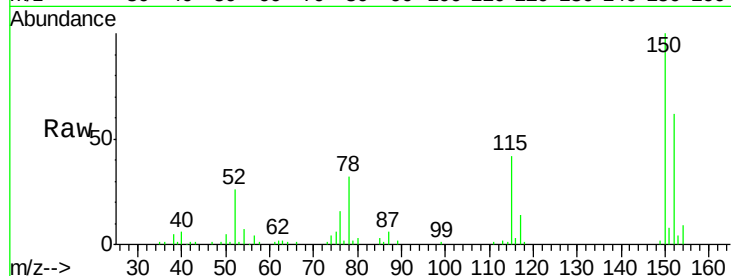
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	127.7	191.5
115	67.6	54.2	81.4

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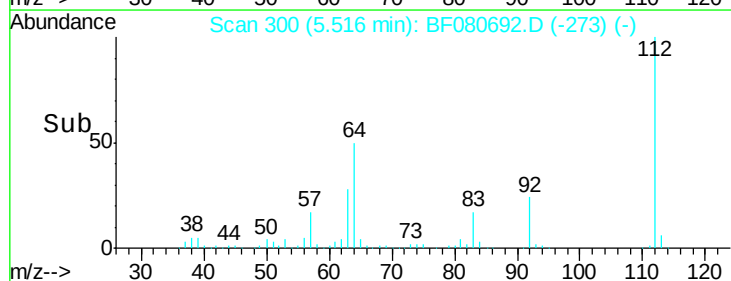
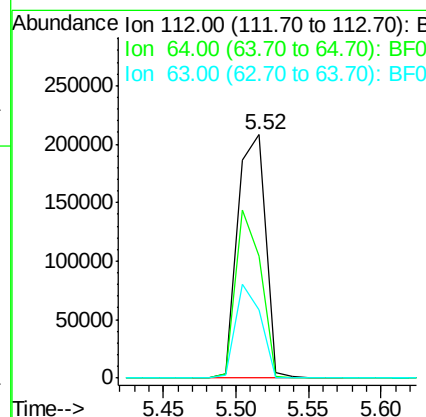
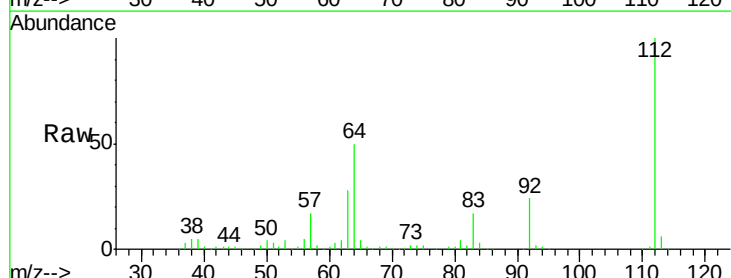
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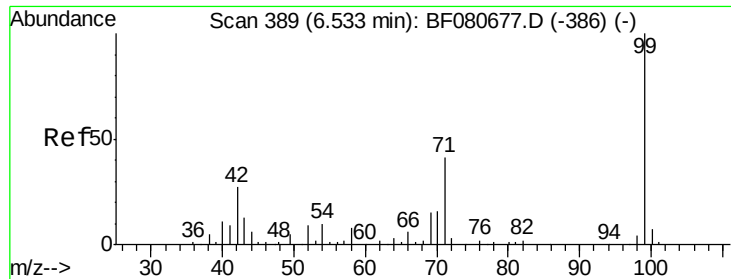


#5

2-Fluorophenol
Concen: 130.88 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.01 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	53.2	79.8#
63	27.9	30.4	45.6#





#7

Phenol-d6

Concen: 135.49 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080692.D

Acq: 28 Jul 2015 2:01

Instrument :

BNA_F

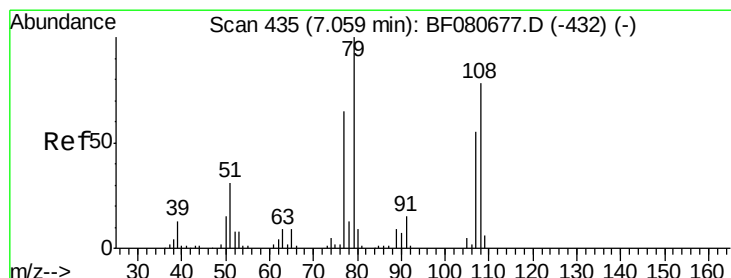
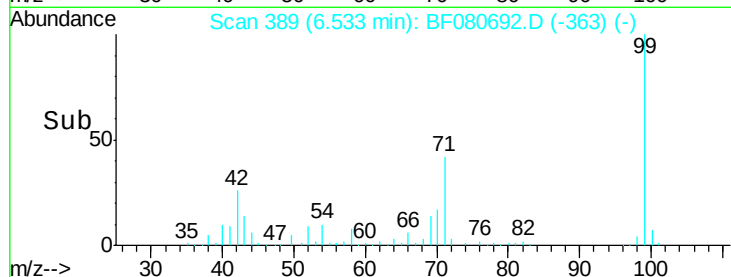
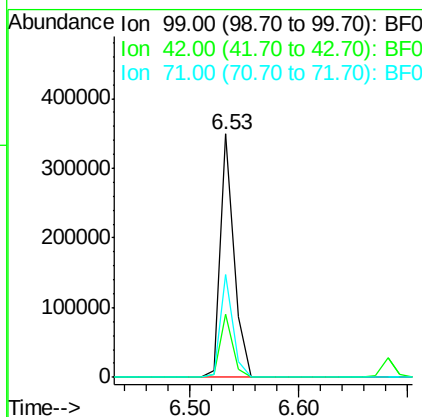
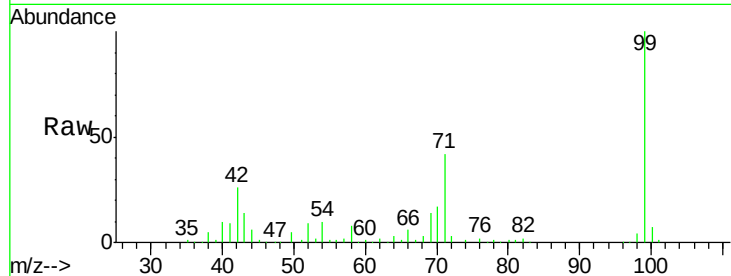
ClientSampleId :

DUMBO-EP-3

Tot Ion:	99	Resp:	308366
Ion Ratio	Lower	Upper	
99	100		
42	26.2	21.8	32.8
71	42.5	32.9	49.3

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#15

Benzyl Alcohol

Concen: 2.22 ng

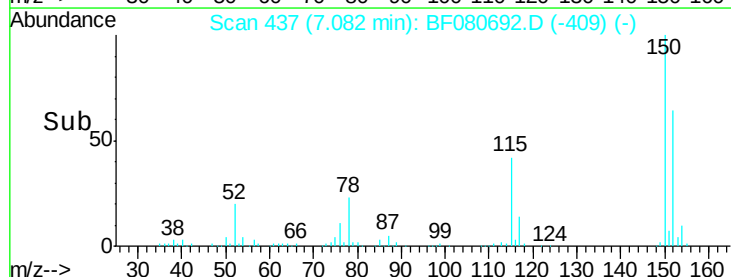
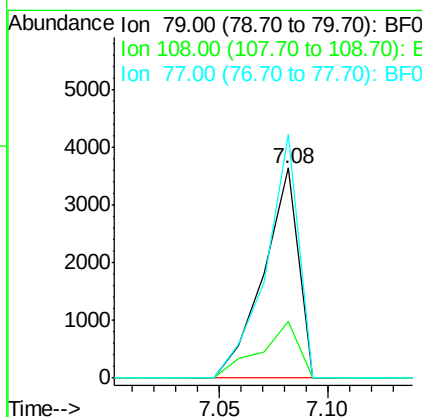
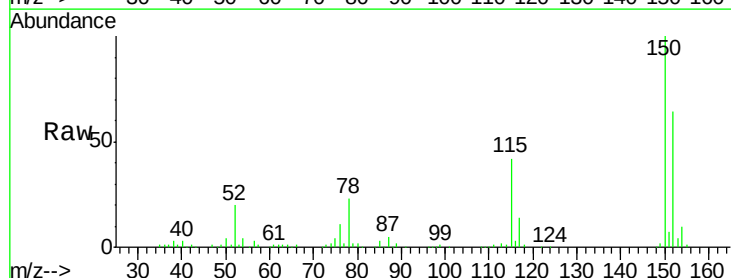
RT: 7.08 min Scan# 437

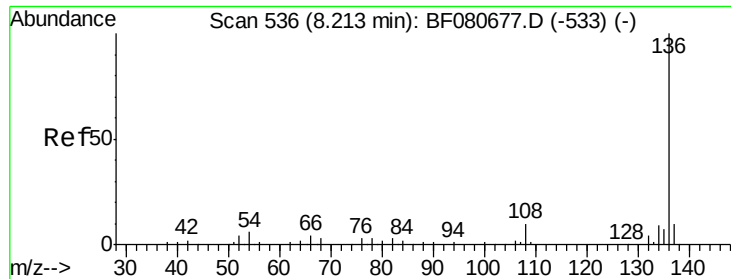
Delta R.T. 0.02 min

Lab File: BF080692.D

Acq: 28 Jul 2015 2:01

Tgt Ion:	79	Resp:	4133
Ion Ratio	Lower	Upper	
79	100		
108	26.9	62.7	94.1#
77	115.8	51.8	77.8#





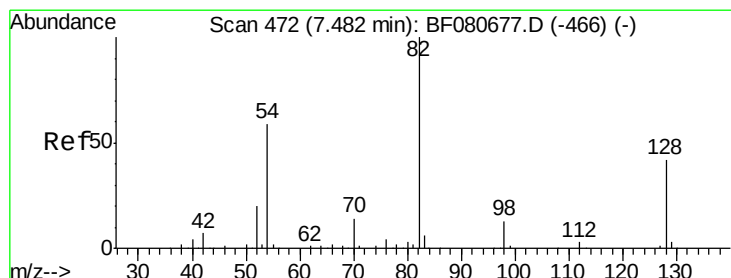
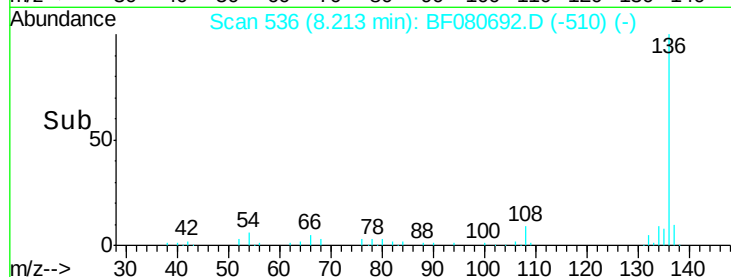
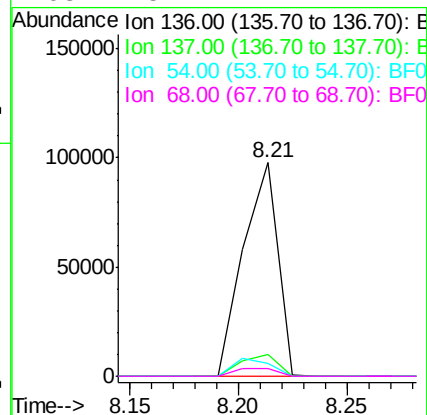
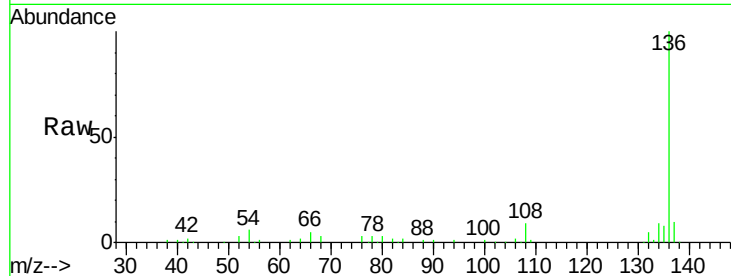
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	9.9		8.2	12.2	
54	5.7		5.0	7.4	
68	3.4		2.7	4.1	

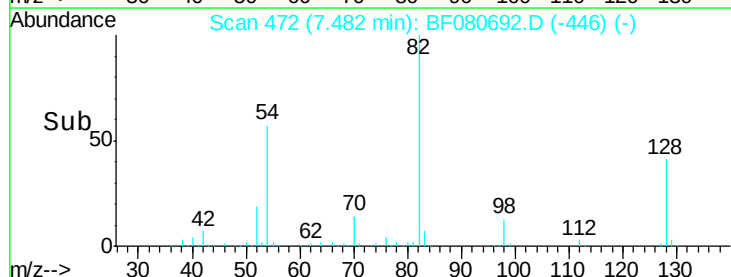
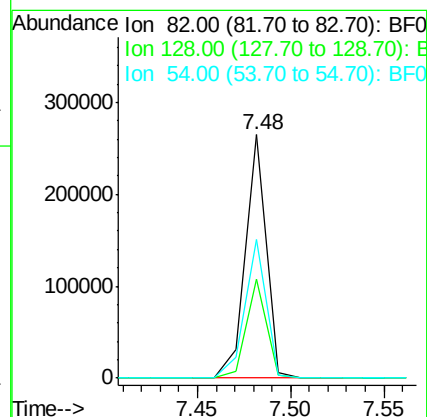
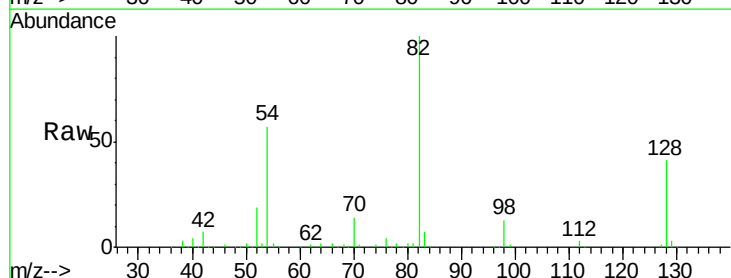
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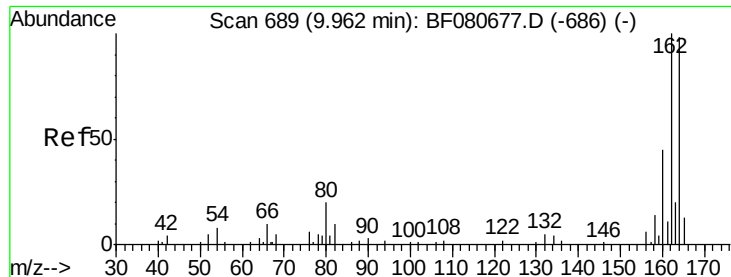
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#23
Nitrobenzene-d5
Concen: 99.04 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.5		33.7	50.5	
54	56.7		47.3	70.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 689

Delta R.T. 0.00 min

Lab File: BF080692.D

Acq: 28 Jul 2015 2:01

Instrument :

BNA_F

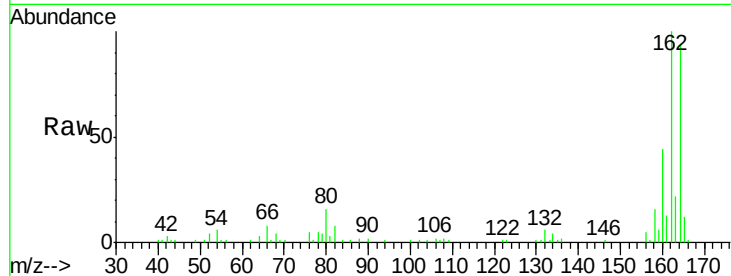
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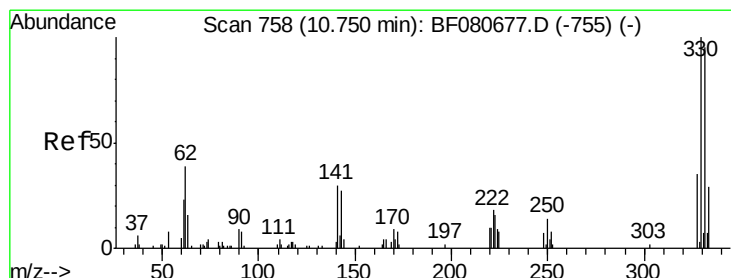
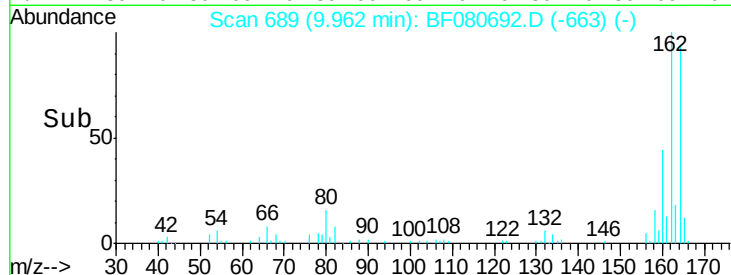
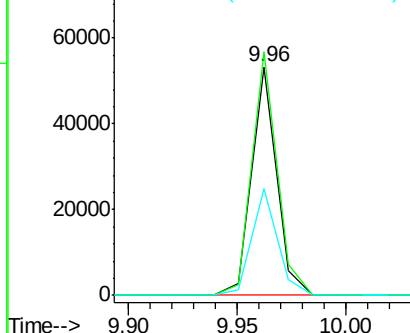
Tot Ion:	164	Resp:	42286
Ion Ratio	Lower	Upper	
164	100		
162	106.5	82.0	123.0
160	46.9	36.7	55.1

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 117.26 ng

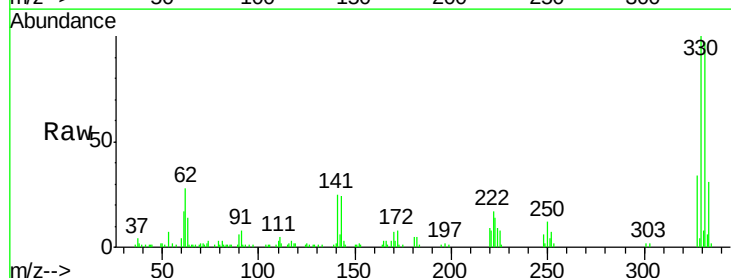
RT: 10.75 min Scan# 758

Delta R.T. 0.00 min

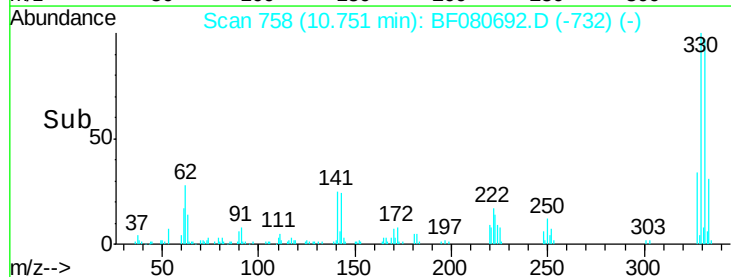
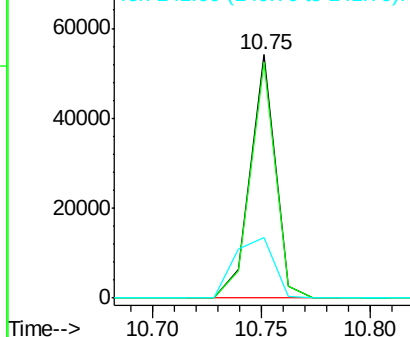
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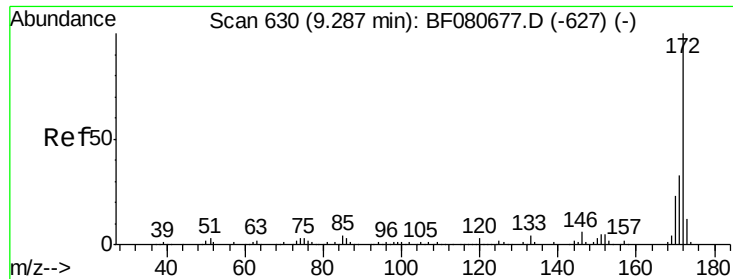
Acq: 28 Jul 2015 2:01

Tgt Ion:	330	Resp:	43399
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.9	115.3
141	39.0	30.6	45.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





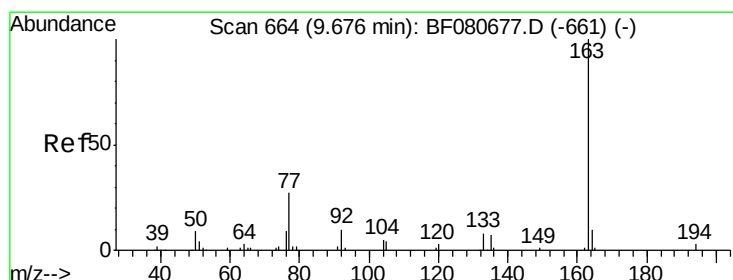
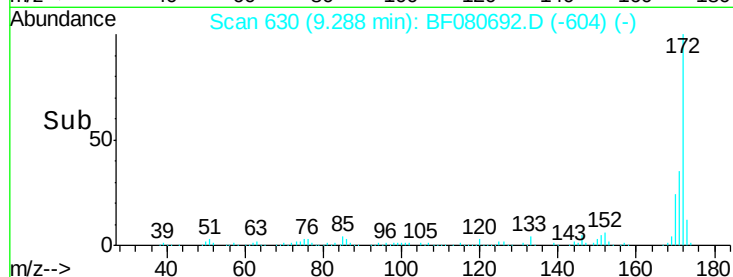
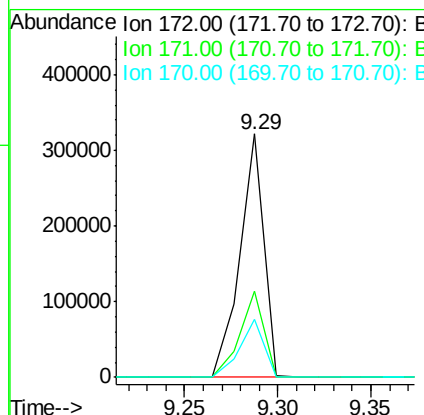
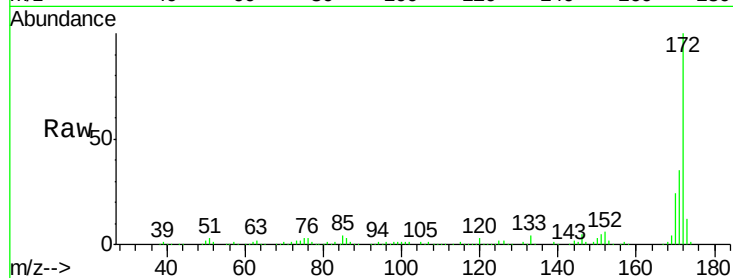
#44
2-Fluorobiphenyl
Concen: 86.21 ng
RT: 9.29 min Scan# 630
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	26.6	39.8
170	23.7	18.6	28.0

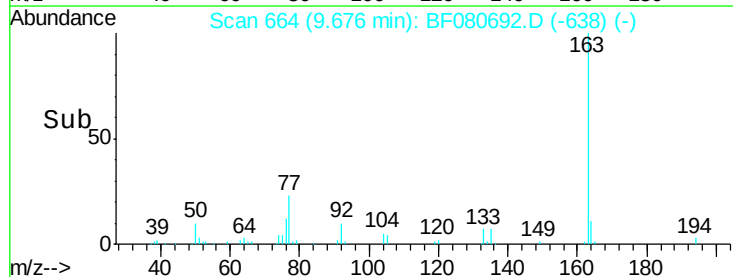
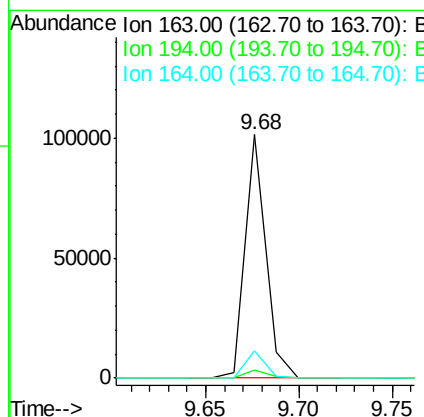
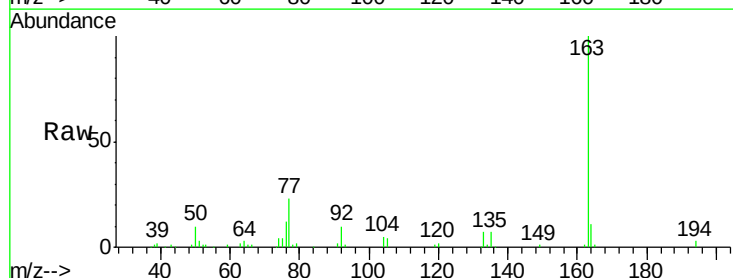
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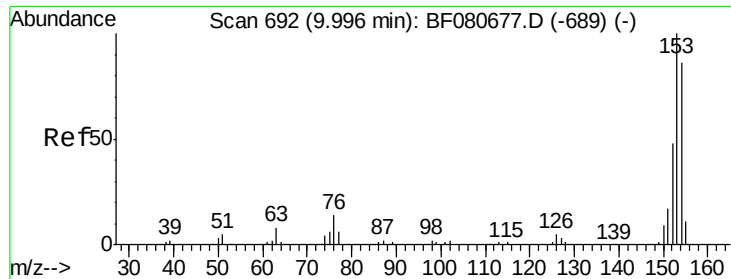
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#49
Dimethylphthalate
Concen: 28.68 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.4	3.6
164	11.3	8.1	12.1





#51

Acenaphthene

Concen: 5.21 ng

RT: 10.00 min Scan# 692

Delta R.T. 0.00 min

Lab File: BF080692.D

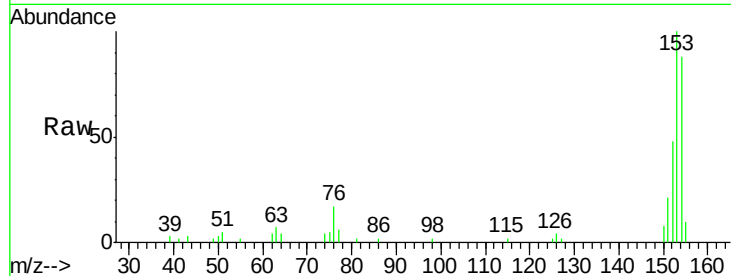
Acq: 28 Jul 2015 2:01

Instrument :

BNA_F

ClientSampleId :

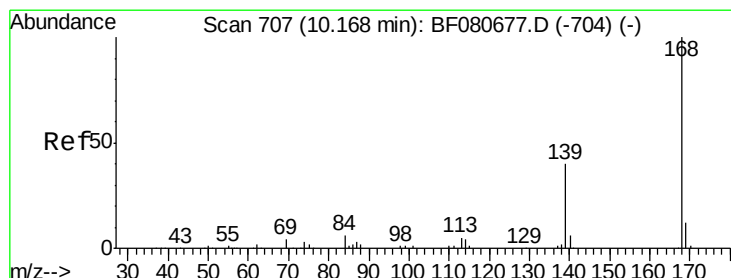
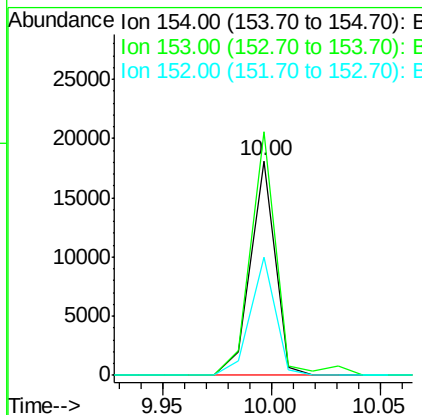
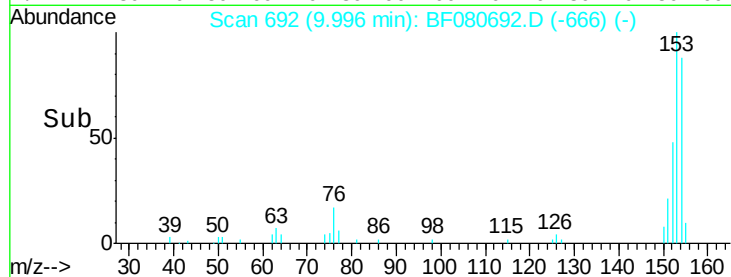
DUMBO-EP-3



Tot Ion:	154	Resp:	14327
Ion Ratio	Lower	Upper	
154	100		
153	113.5	92.8	139.2
152	55.0	44.6	66.8

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#54

Dibenzofuran

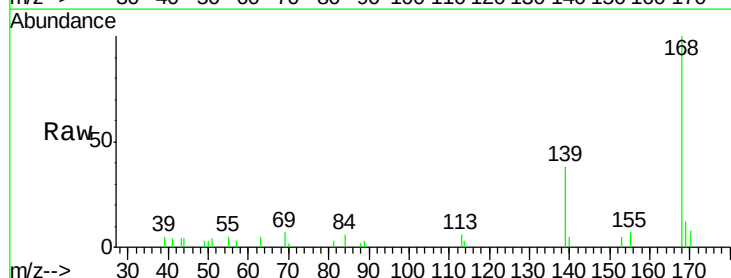
Concen: 2.75 ng

RT: 10.17 min Scan# 707

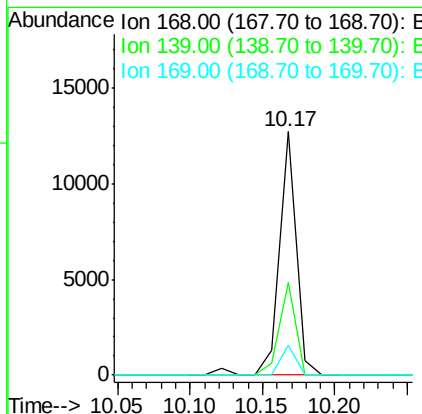
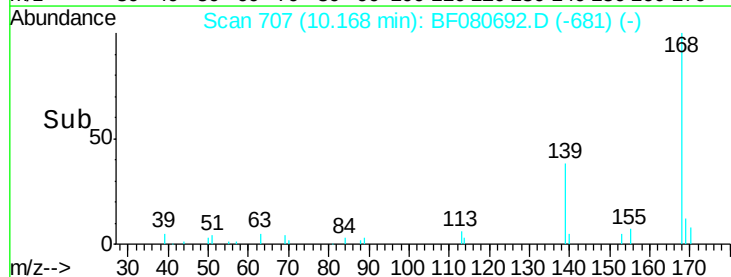
Delta R.T. 0.00 min

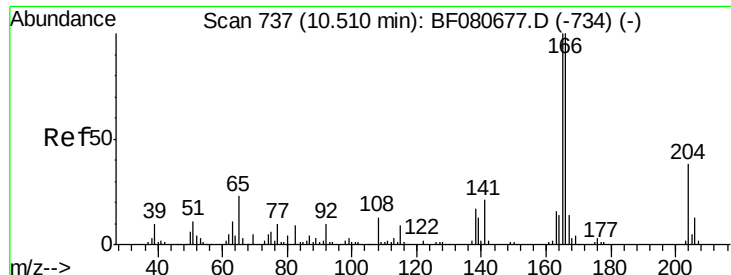
Lab File: BF080692.D

Acq: 28 Jul 2015 2:01



Tgt Ion:	168	Resp:	10374
Ion Ratio	Lower	Upper	
168	100		
139	38.3	31.8	47.8
169	12.3	9.8	14.6





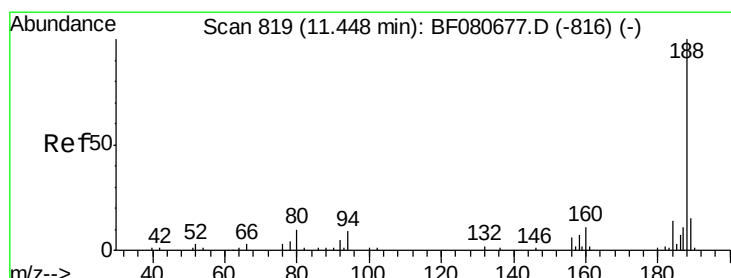
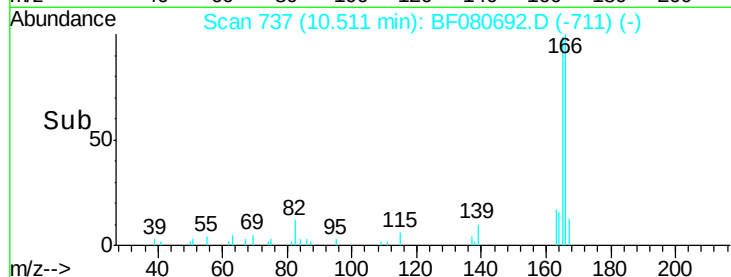
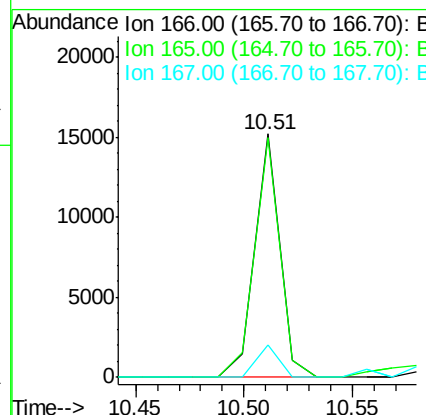
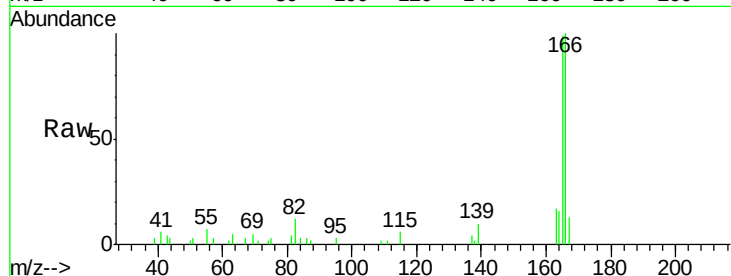
#57
Fluorene
 Concen: 4.24 ng
 RT: 10.51 min Scan# 737
 Delta R.T. 0.00 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3

Tot Ion	Ratio	Resp	Lower	Upper
166	100	12158		
165	98.7	80.2	120.4	
167	13.3	11.0	16.4	

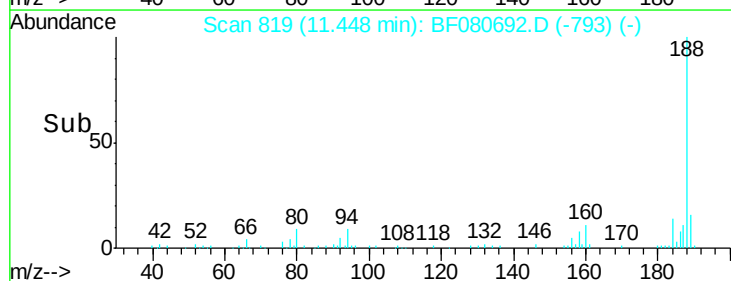
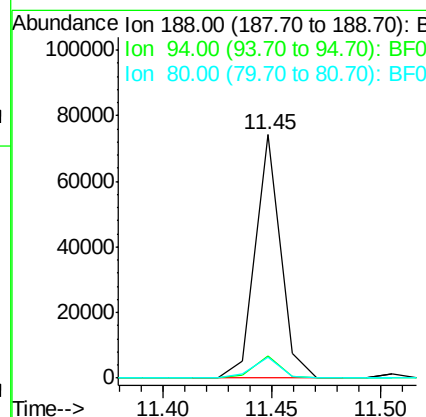
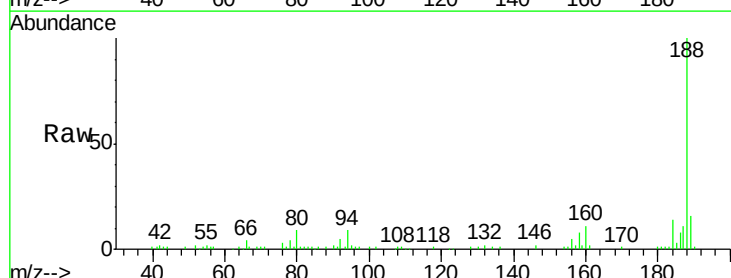
Manual Integrations
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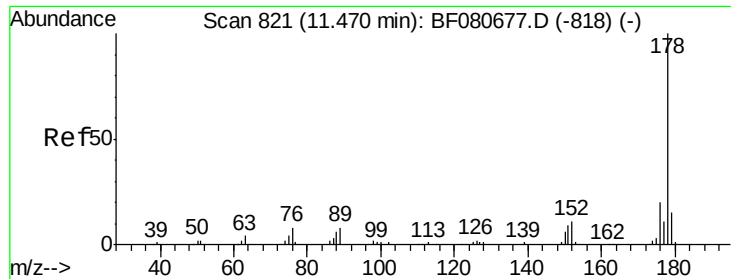
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	59668		
94	9.3	7.2	10.8	
80	8.7	8.2	12.2	





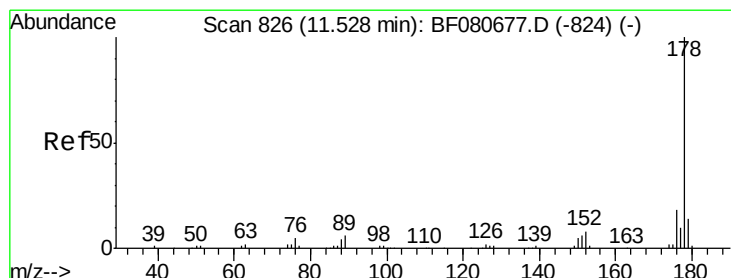
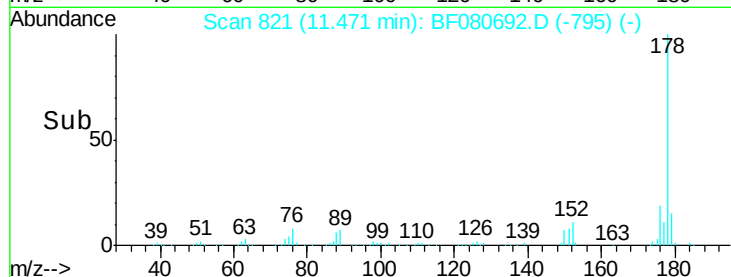
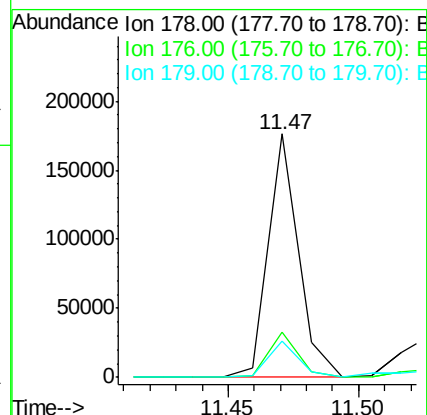
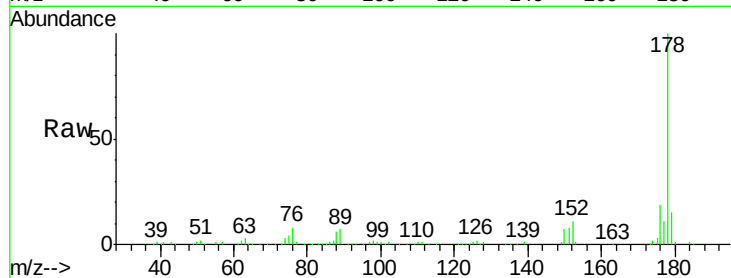
#70
Phenanthrene
Concen: 42.03 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	15.0	12.3	18.5

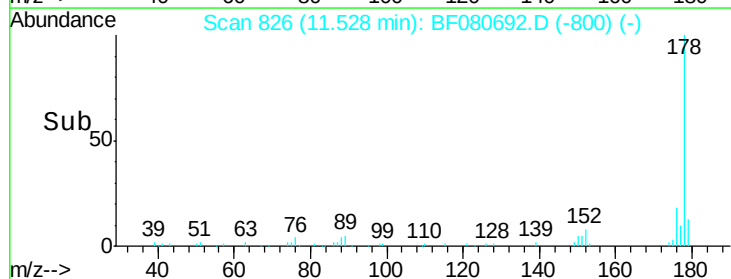
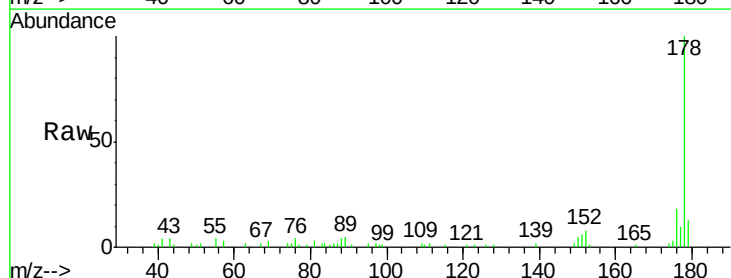
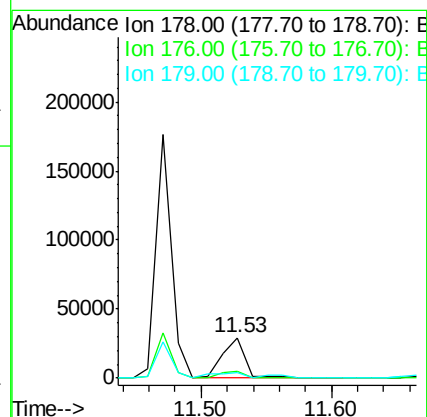
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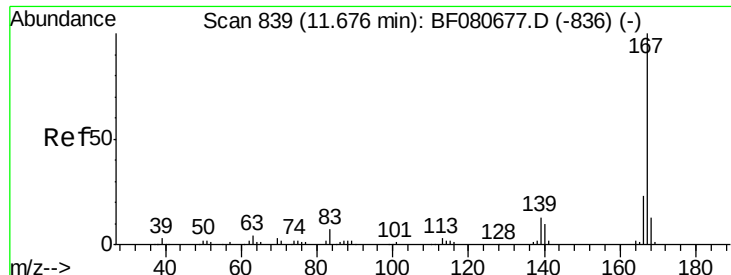
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#71
Anthracene
Concen: 10.81 ng
RT: 11.53 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.3	21.5
179	13.3	10.8	16.2





#72

Carbazole

Concen: 4.82 ng

RT: 11.68 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF080692.D

Acq: 28 Jul 2015 2:01

Instrument :

BNA_F

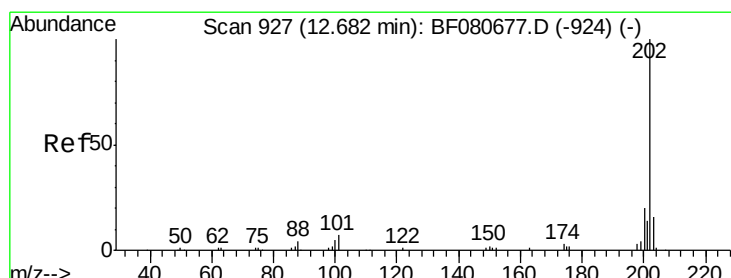
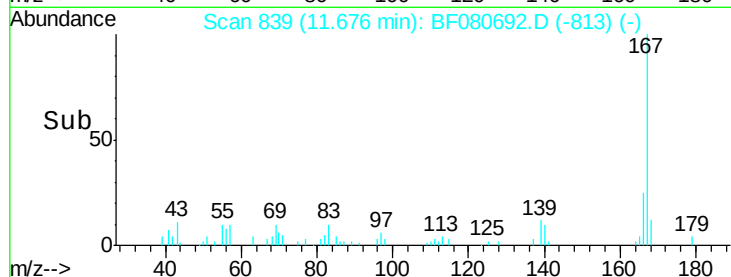
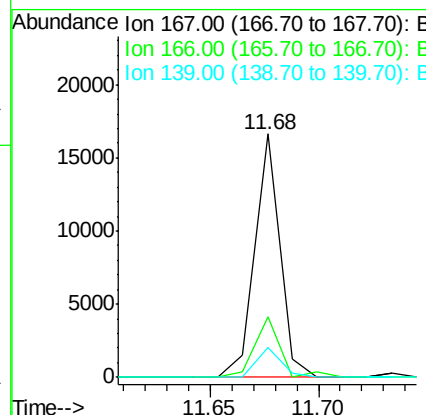
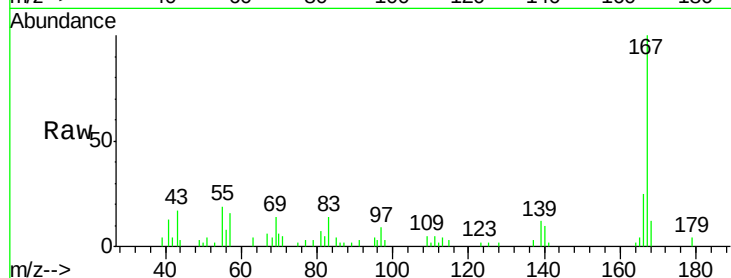
ClientSampleId :

DUMBO-EP-3

Tot Ion:	167	Resp:	13322
Ion Ratio	Lower	Upper	
167	100		
166	25.1	18.1	27.1
139	12.5	10.1	15.1

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#74

Fluoranthene

Concen: 49.74 ng

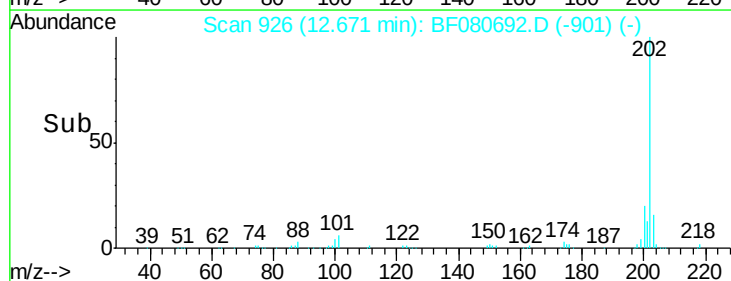
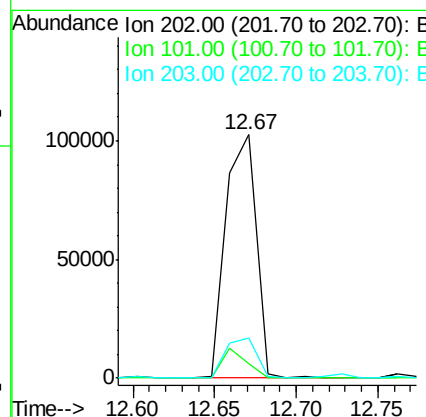
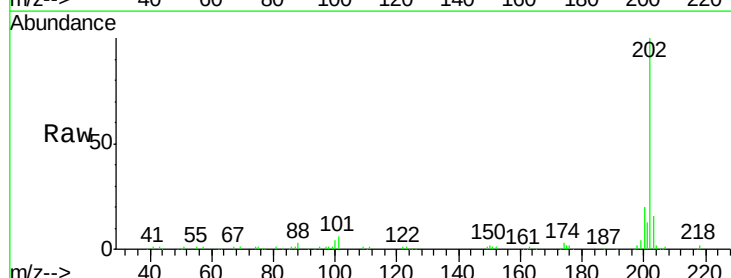
RT: 12.67 min Scan# 926

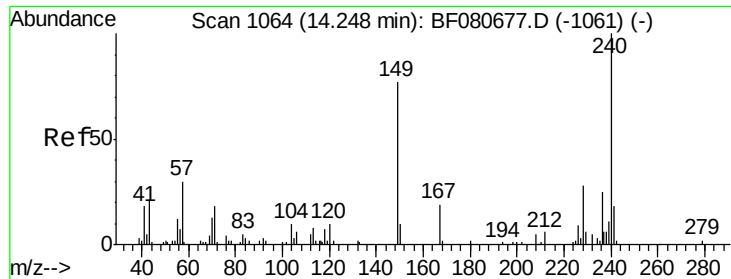
Delta R.T. -0.01 min

Lab File: BF080692.D

Acq: 28 Jul 2015 2:01

Tgt Ion:	202	Resp:	132854
Ion Ratio	Lower	Upper	
202	100		
101	5.8	0.0	27.3
203	16.3	0.0	36.0





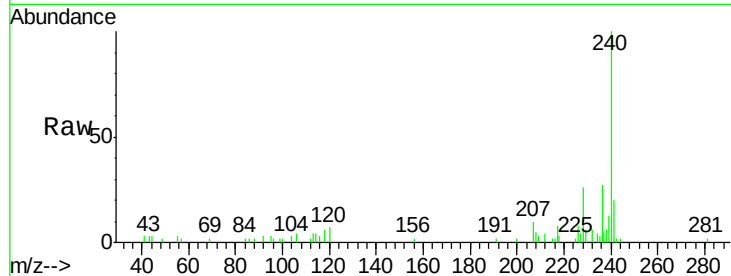
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.18 min Scan# 1058
 Delta R.T. -0.07 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3

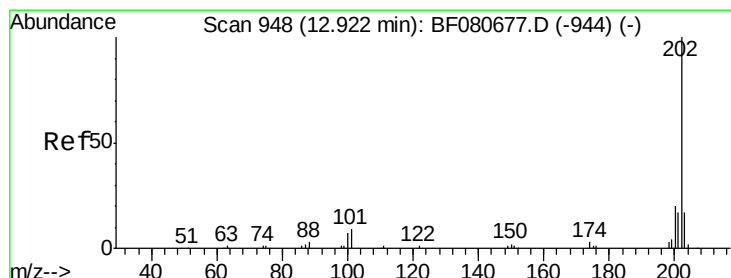
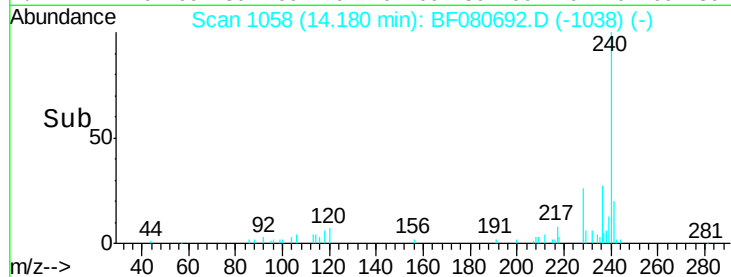
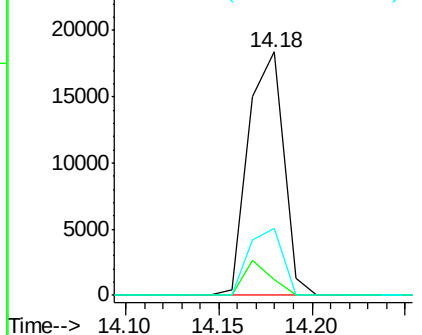
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.7	8.0	12.0#
236	27.5	20.0	30.0

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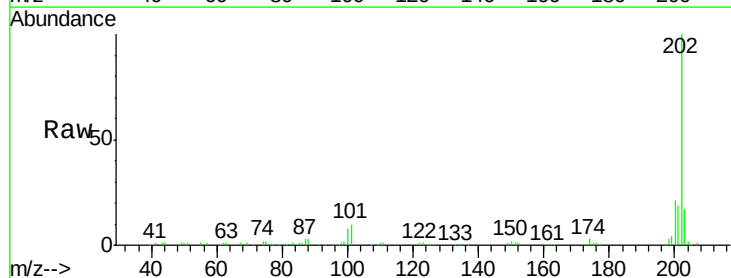


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

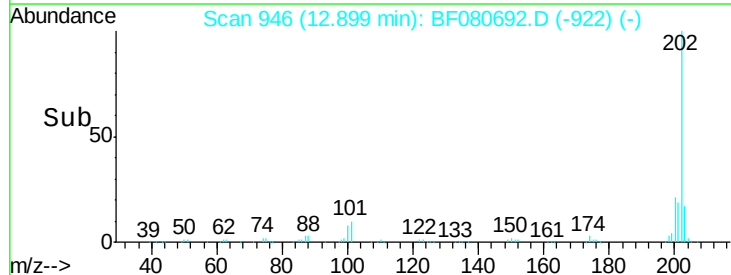
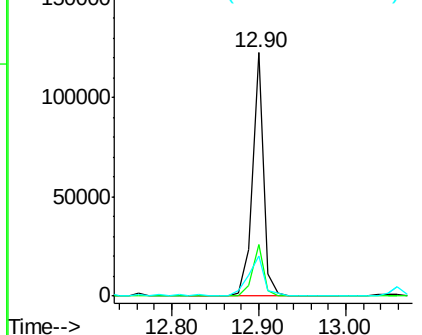


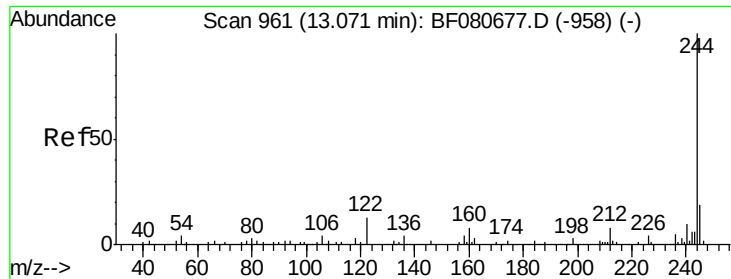
#77
 Pyrene
 Concen: 55.30 ng
 RT: 12.90 min Scan# 946
 Delta R.T. -0.02 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.3	24.5
203	16.6	13.4	20.2



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





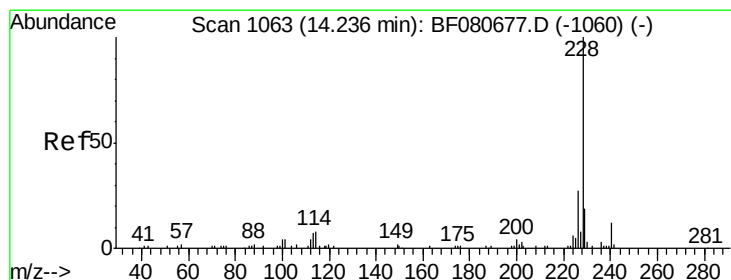
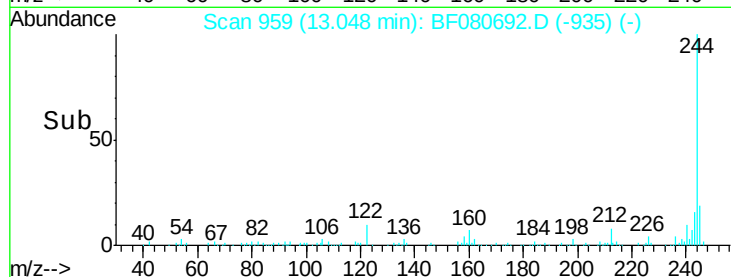
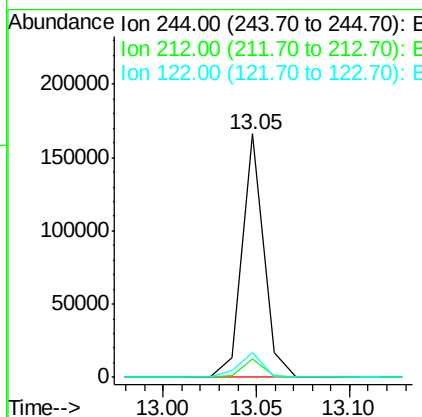
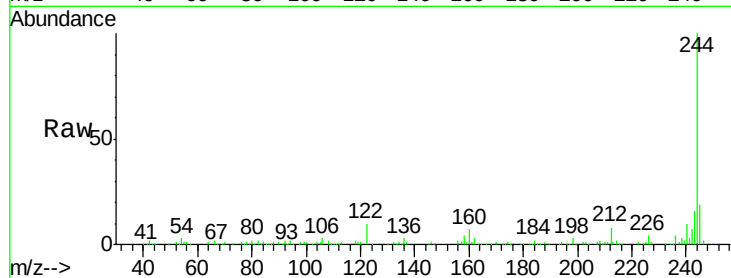
#78
 Terphenyl-d14
 Concen: 96.61 ng
 RT: 13.05 min Scan# 959
 Delta R.T. -0.02 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.1	9.1
122	10.1	10.2	15.2#

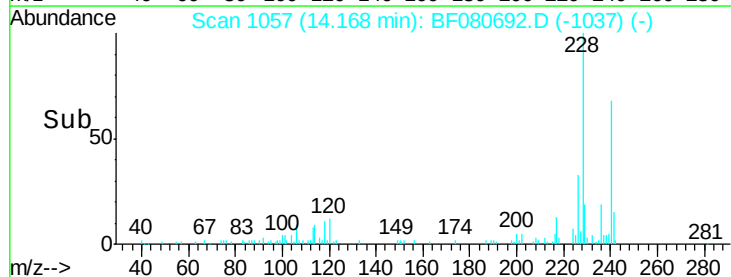
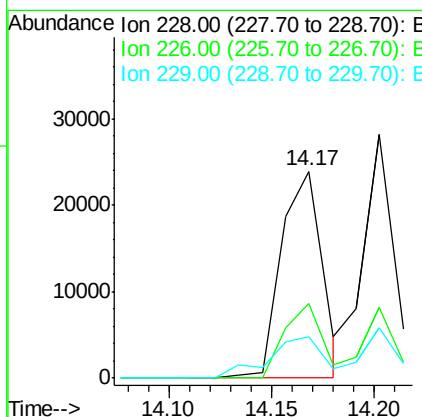
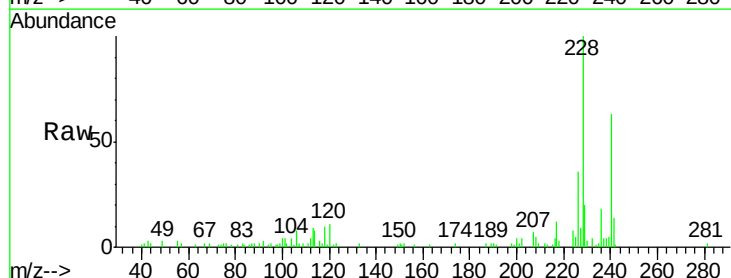
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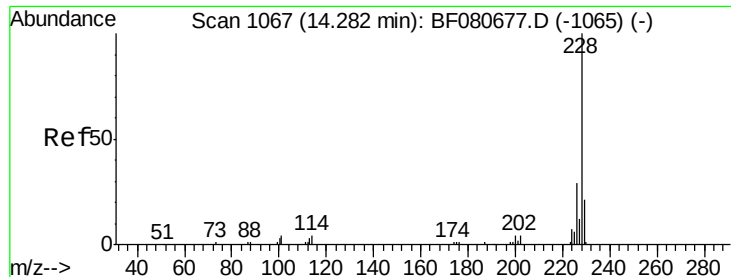
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#80
 Benzo(a)anthracene
 Concen: 23.85 ng m
 RT: 14.17 min Scan# 1057
 Delta R.T. -0.07 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	36.0	21.8	32.6#
229	20.2	14.9	22.3





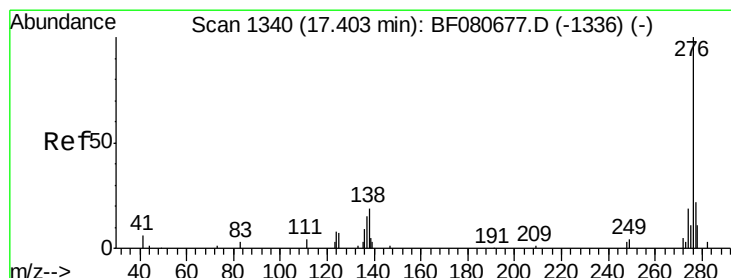
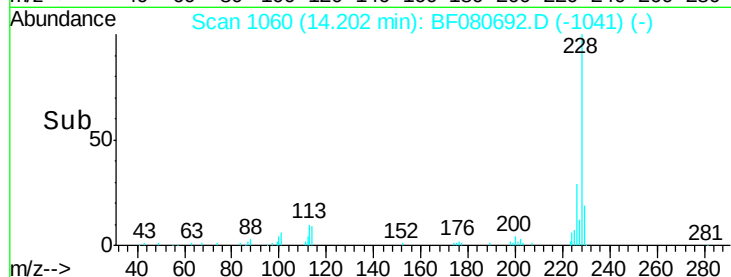
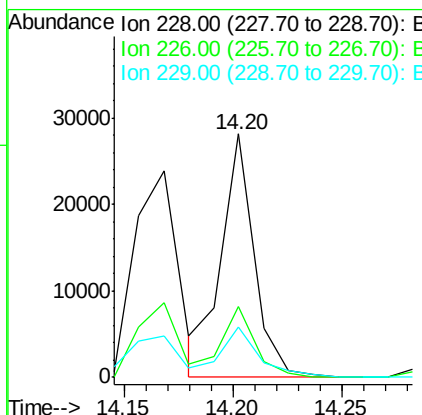
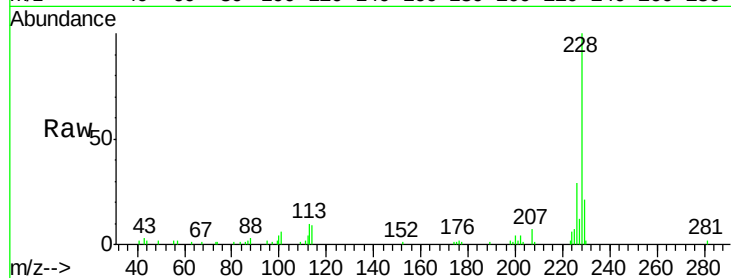
#82
 Chrysene
 Concen: 21.17 ng
 RT: 14.20 min Scan# 1060
 Delta R.T. -0.08 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3

Tot Ion:	228	Resp:	29412
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.0	34.4
229	20.6	17.1	25.7

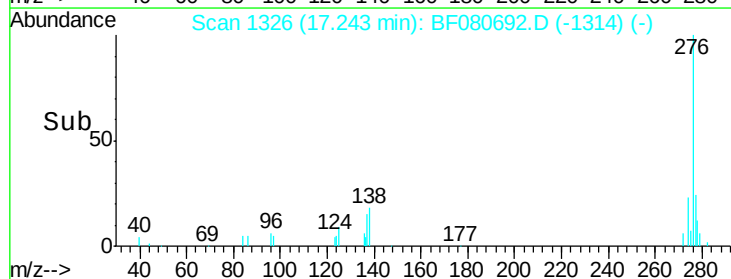
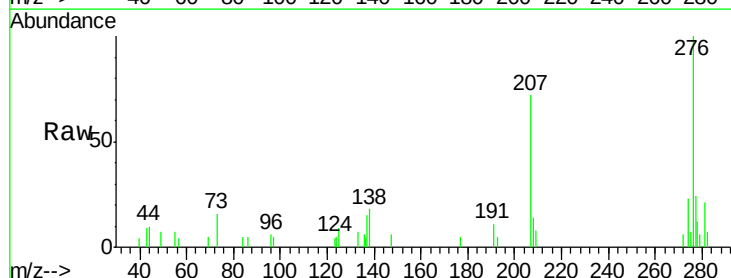
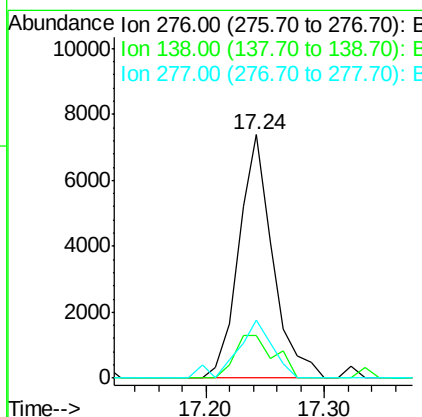
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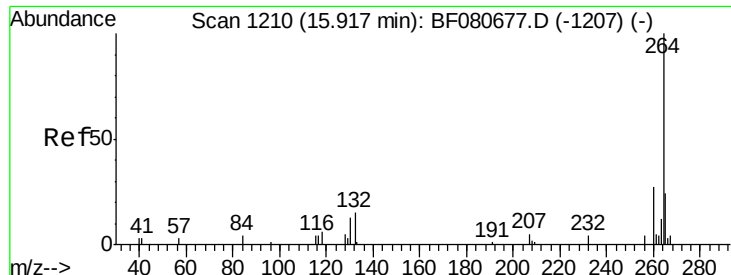
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 25.03 ng
 RT: 17.24 min Scan# 1326
 Delta R.T. -0.16 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Tgt Ion:	276	Resp:	14668
Ion Ratio	Lower	Upper	
276	100		
138	20.7	19.7	29.5
277	24.8	18.2	27.4





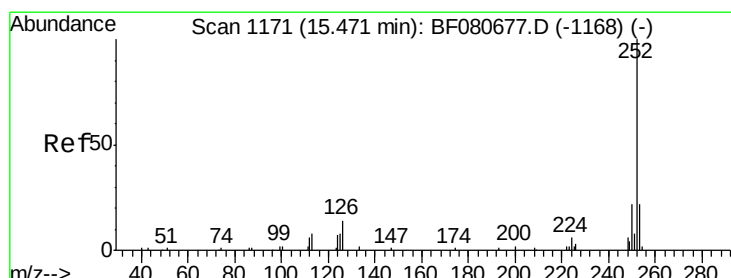
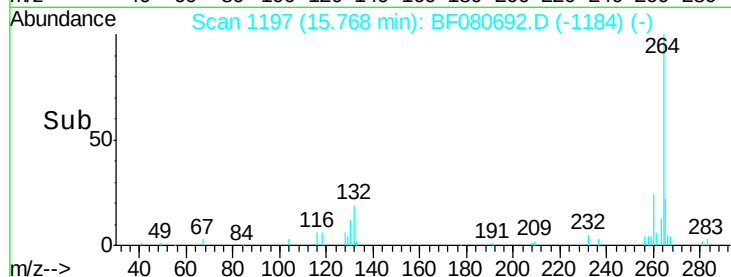
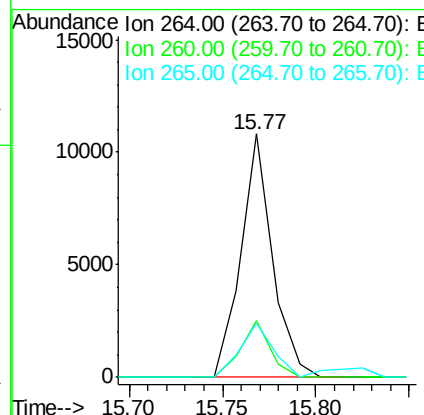
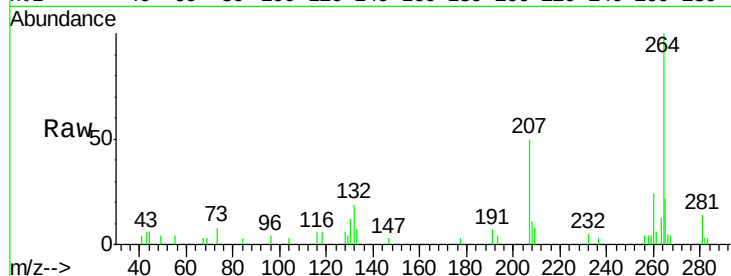
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.77 min Scan# 1197
Delta R.T. -0.15 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3

Tot Ion:	264	Resp:	12704
Ion Ratio	Lower	Upper	
264	100		
260	23.5	21.6	32.4
265	22.4	19.3	28.9

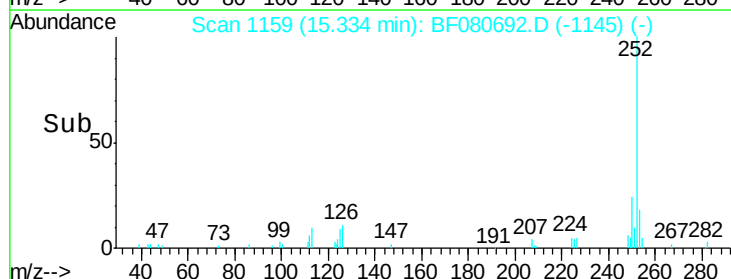
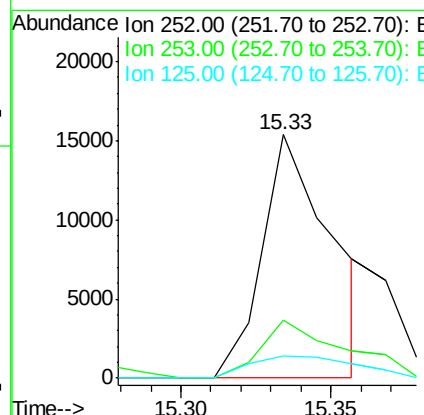
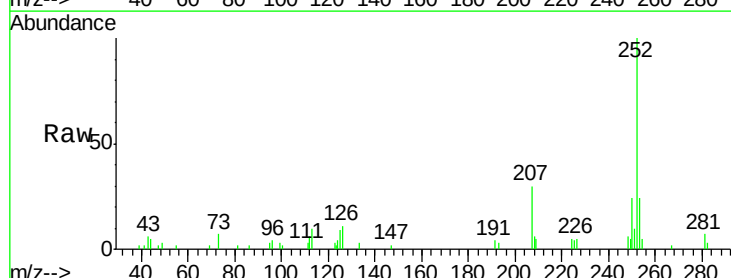
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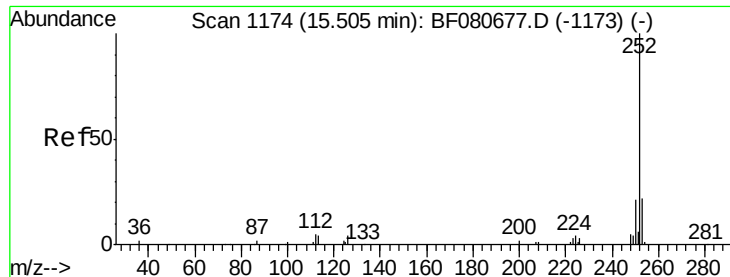
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#87
Benzo(b)fluoranthene
Concen: 27.07 ng m
RT: 15.33 min Scan# 1159
Delta R.T. -0.14 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Tgt Ion:	252	Resp:	25037
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	9.3	6.7	10.1





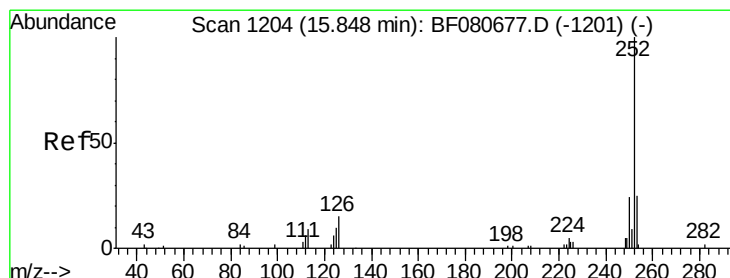
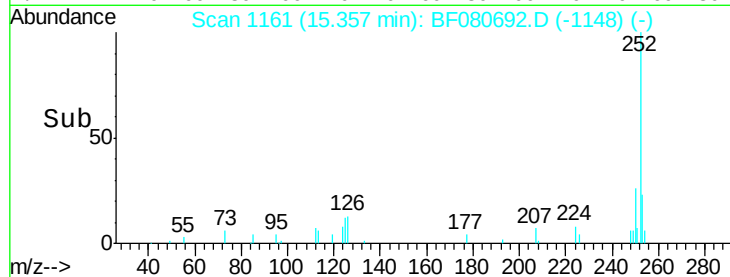
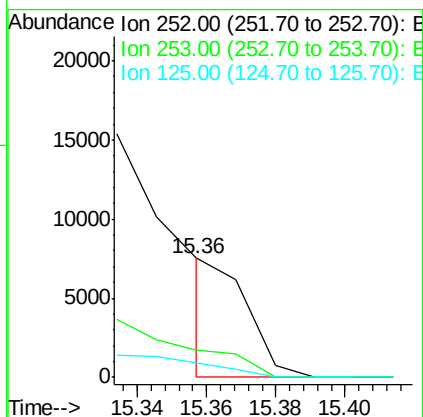
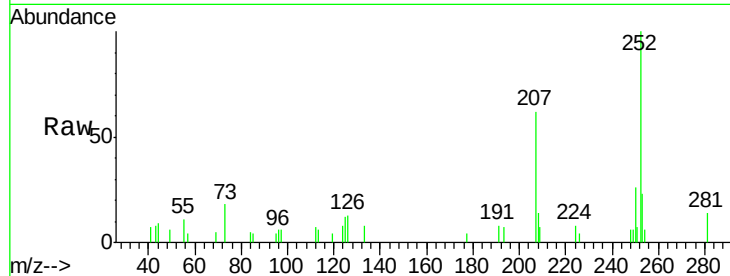
#88
Benzo(k)fluoranthene
Concen: 5.60 ng m
RT: 15.36 min Scan# 1161
Delta R.T. -0.15 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	12.1	6.7	10.1

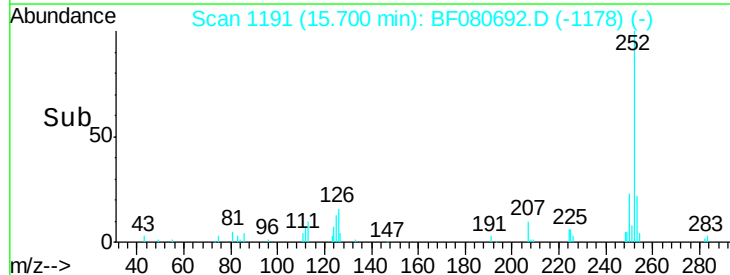
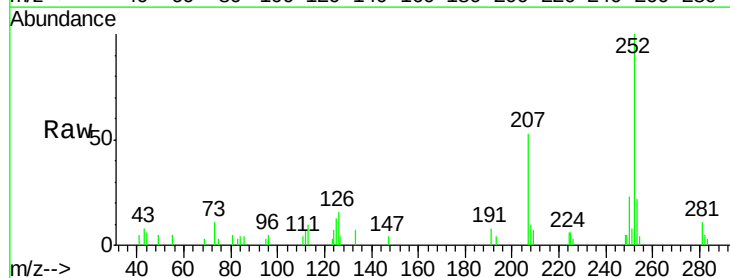
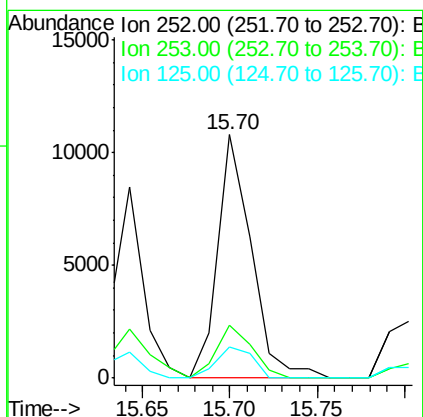
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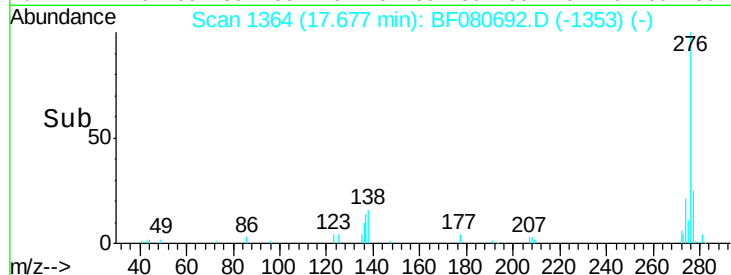
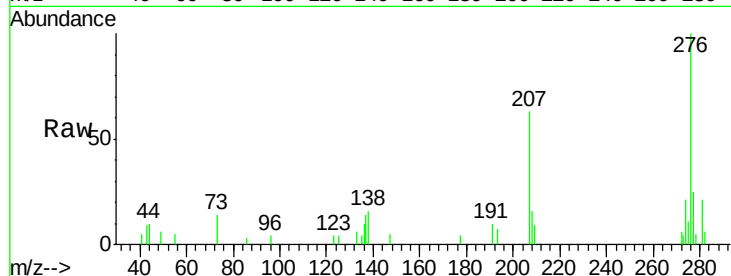
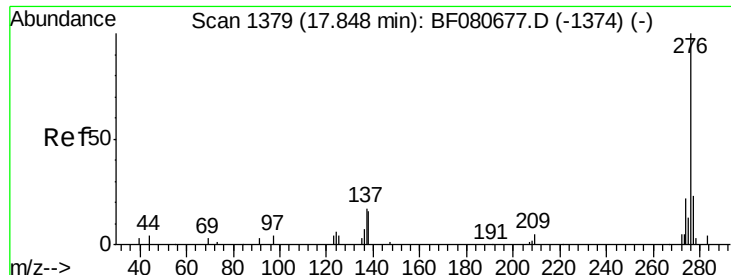
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#89
Benzo(a)pyrene
Concen: 20.40 ng m
RT: 15.70 min Scan# 1191
Delta R.T. -0.15 min
Lab File: BF080692.D
Acq: 28 Jul 2015 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	20.2	30.2
125	12.9	8.4	12.6





#91
 Benzo(a,h,i)perylene
 Concen: 40.68 ng
 RT: 17.68 min Scan# 1364
 Delta R.T. -0.17 min
 Lab File: BF080692.D
 Acq: 28 Jul 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-3

Tot Ion:	276	Resp:	19167
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.7	28.1
138	16.1	12.7	19.1

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