

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
 Data File : BF080695.D
 Acq On : 28 Jul 2015 3:28
 Operator : TP/UM
 Sample : G3084-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-4

Manual Integrations
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 7/29/2015 10:41:32 AM

Quant Time: Jul 28 10:23:51 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	30306	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	100958	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	36907	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	49466	20.00	ng	0.00
75) Chrysene-d12	14.20	240	23465	20.00	ng	-0.05
86) Perylene-d12	15.84	264	11159	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	302774	159.12	ng	0.01
7) Phenol-d6	6.53	99	325412	158.95	ng	0.00
23) Nitrobenzene-d5	7.48	82	219249	111.58	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	44145	136.66	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	320048	109.26	ng	0.00
78) Terphenyl-d14	13.06	244	158596	115.78	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.68	163	78275	32.62	ng	100
70) Phenanthrene	11.47	178	16086	5.70	ng	97
74) Fluoranthene	12.67	202	19177	8.66	ng	95
77) Pyrene	12.91	202	17357	8.84	ng	98
80) Benzo(a)anthracene	14.19	228	5878	4.32	ng	# 90
82) Chrysene	14.24	228	5280m	3.89	ng	
85) Indeno(1,2,3-cd)pyrene	17.31	276	5444	9.52	ng	# 90
87) Benzo(b)fluoranthene	15.40	252	4073m	5.01	ng	
89) Benzo(a)pyrene	15.77	252	2719	4.38	ng	# 77
91) Benzo(g,h,i)perylene	17.76	276	8104	19.58	ng	# 84

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

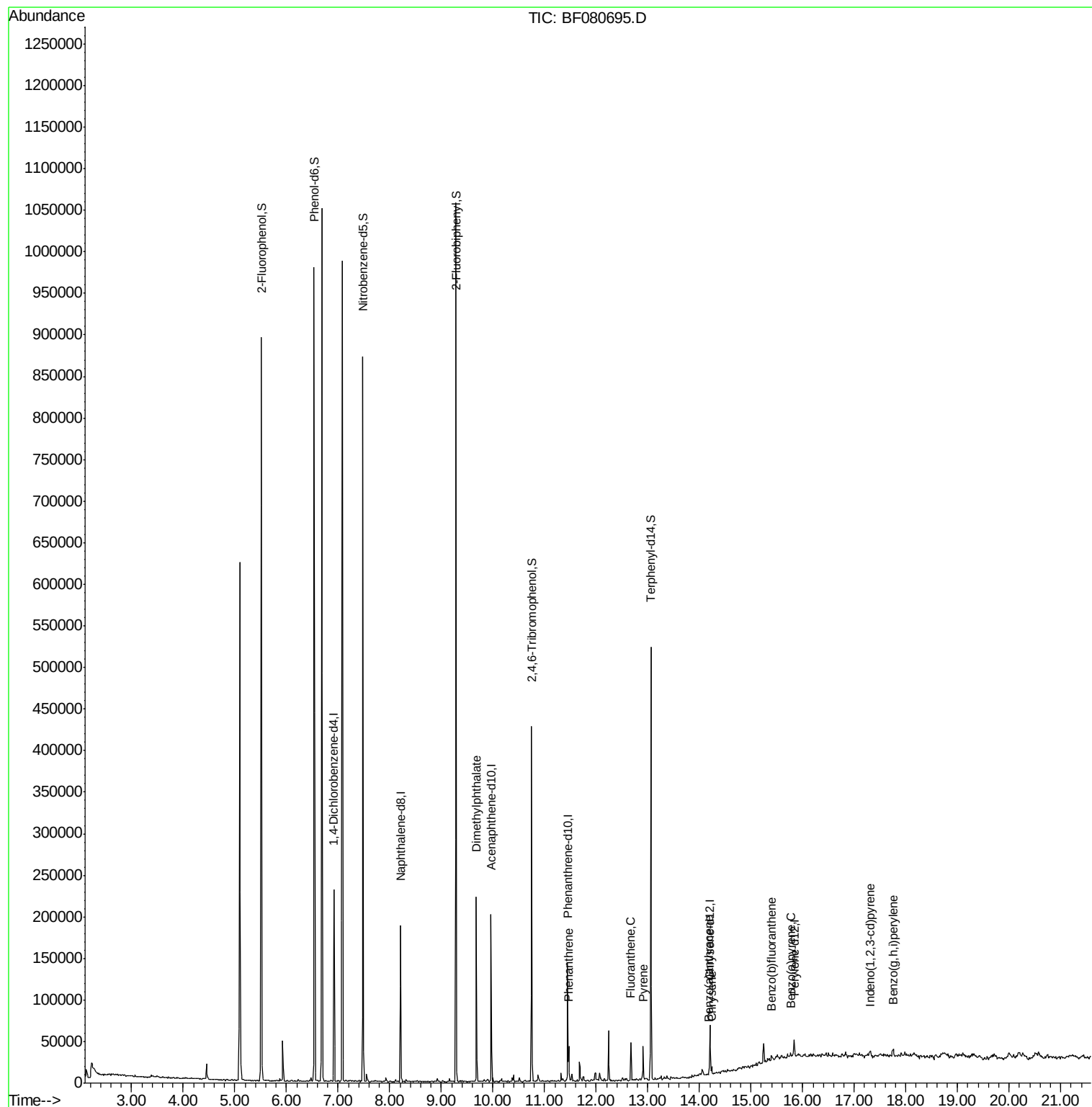
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072715\
Data File : BF080695.D
Acq On : 28 Jul 2015 3:28
Operator : TP/UM
Sample : G3084-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

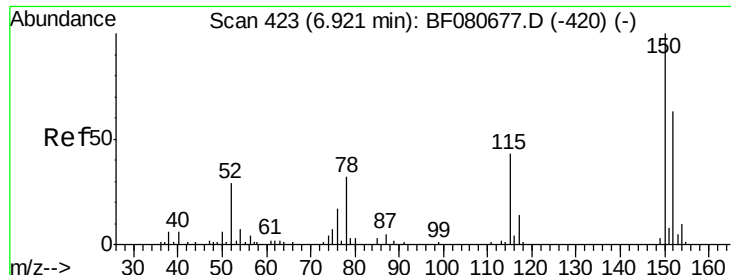
Instrument :
BNA_F
ClientSampleId :
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#1

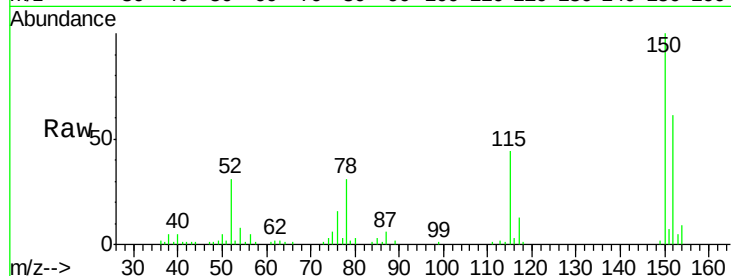
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF080695.D
Acq: 28 Jul 2015 3:28

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-4

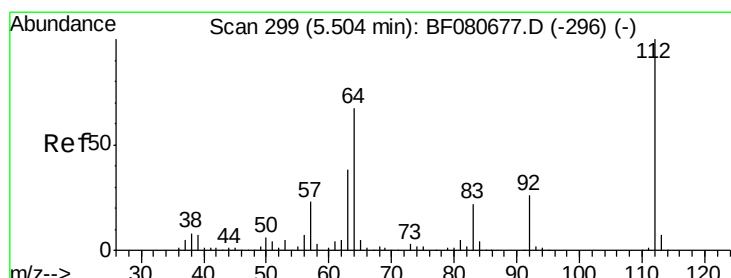
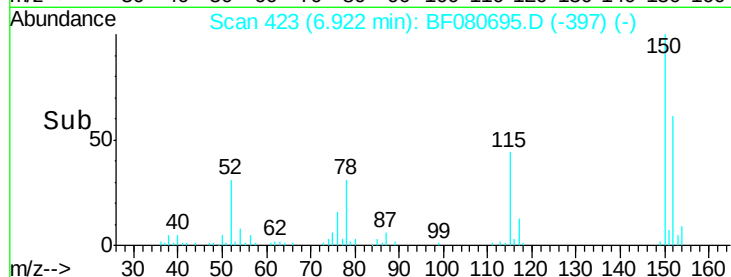
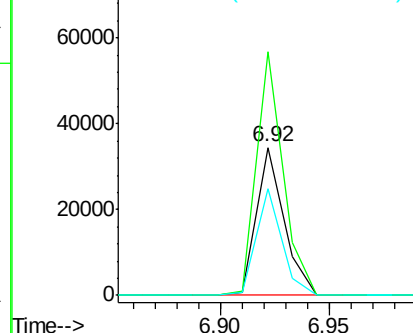
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	127.7	191.5
115	71.6	54.2	81.4

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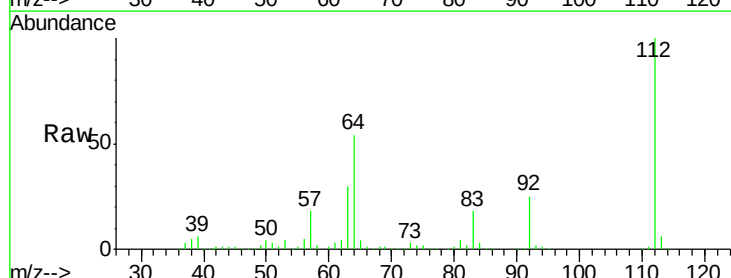
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



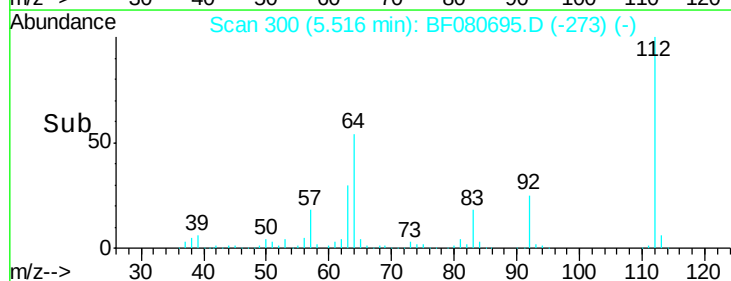
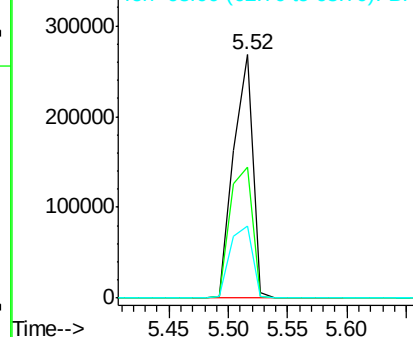
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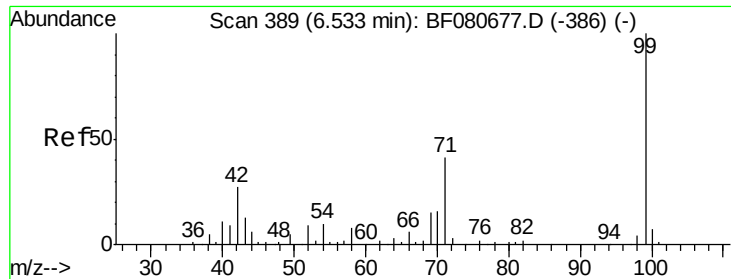
2-Fluorophenol
Concen: 159.12 ng
RT: 5.52 min Scan# 300
Delta R.T. 0.01 min
Lab File: BF080695.D
Acq: 28 Jul 2015 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	53.2	79.8
63	29.6	30.4	45.6



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





#7

Phenol-d6

Concen: 158.95 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Instrument :

BNA_F

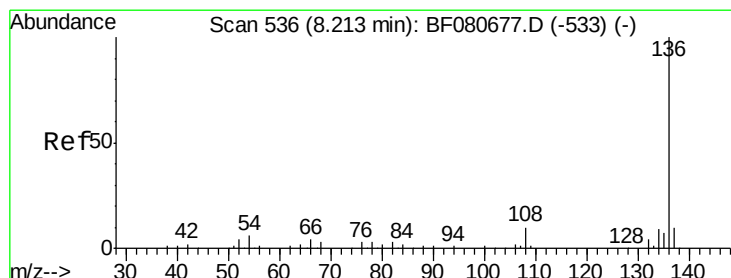
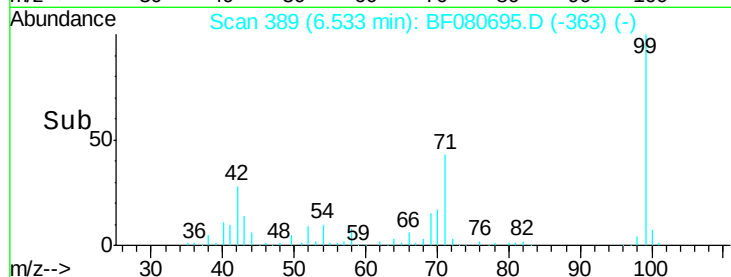
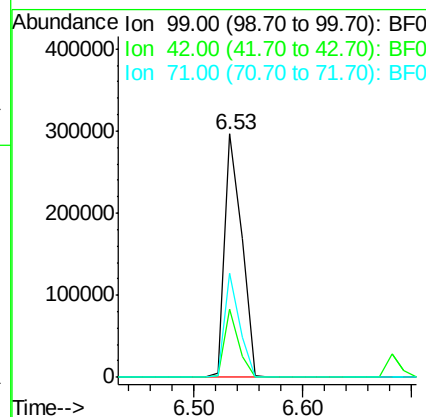
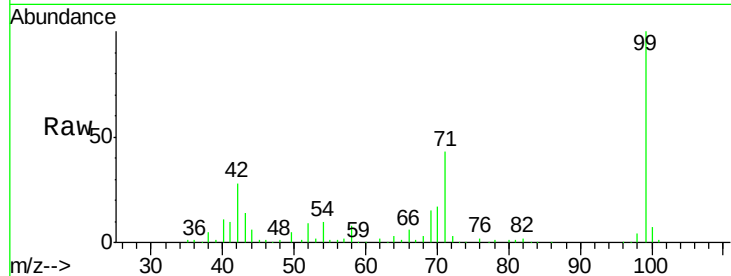
ClientSampleId :

DUMBO-EP-4

Tot Ion:	99	Resp:	325412
Ion Ratio	Lower	Upper	
99	100		
42	28.1	21.8	32.8
71	42.8	32.9	49.3

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#21

Naphthalene-d8

Concen: 20.00 ng

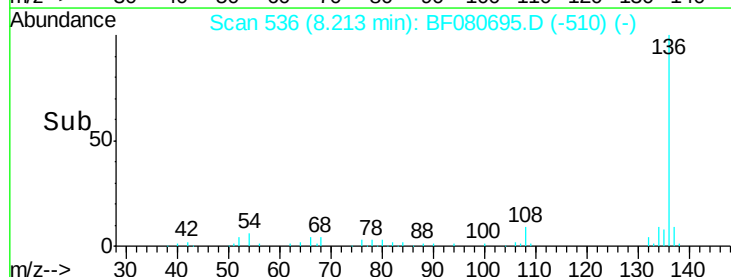
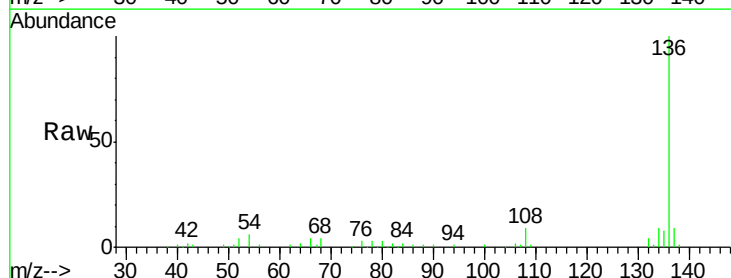
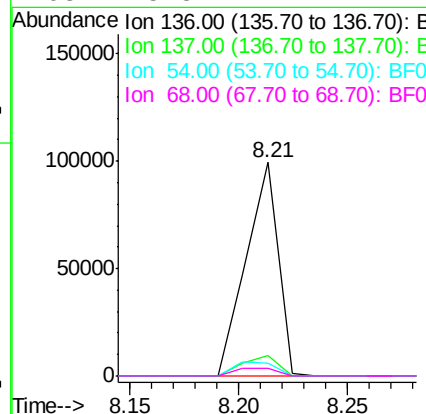
RT: 8.21 min Scan# 536

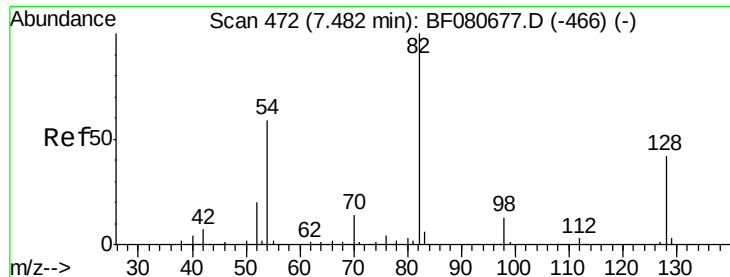
Delta R.T. 0.00 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Tgt Ion:	136	Resp:	100958
Ion Ratio	Lower	Upper	
136	100		
137	9.5	8.2	12.2
54	5.7	5.0	7.4
68	3.8	2.7	4.1





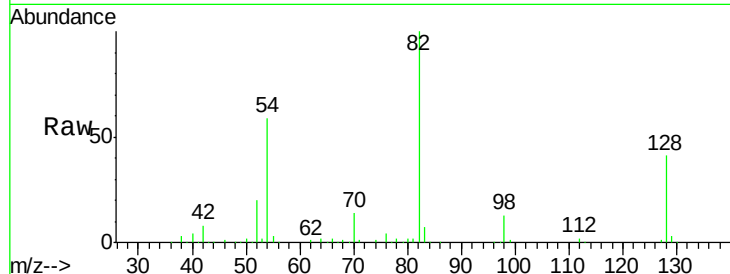
#23
 Nitrobenzene-d5
 Concen: 111.58 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF080695.D
 Acq: 28 Jul 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-4

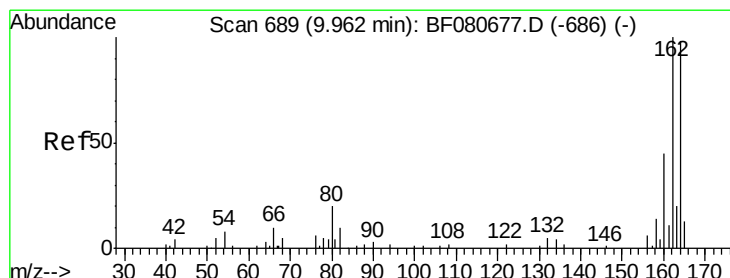
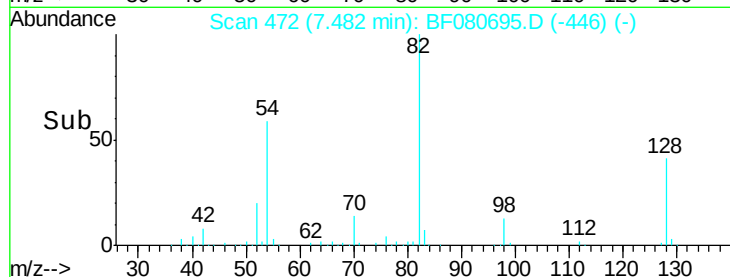
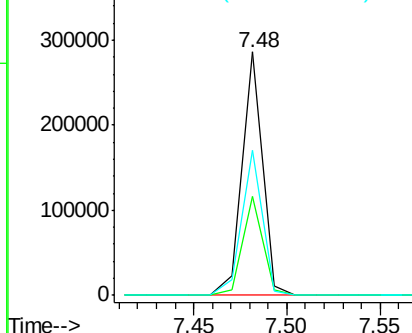
Tot Ion	Ratio	Resp	Lower	Upper
82	100	219249		
128	40.9	33.7	50.5	
54	59.5	47.3	70.9	

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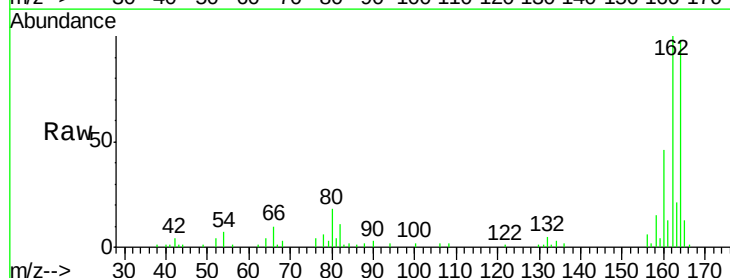


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

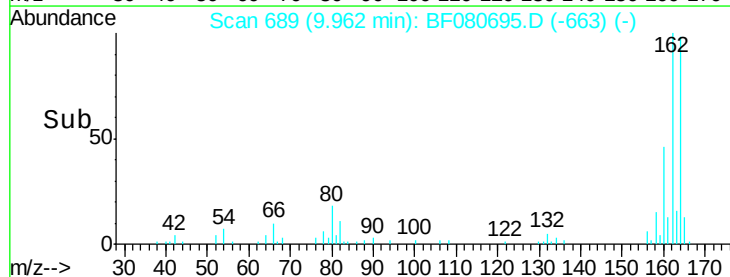
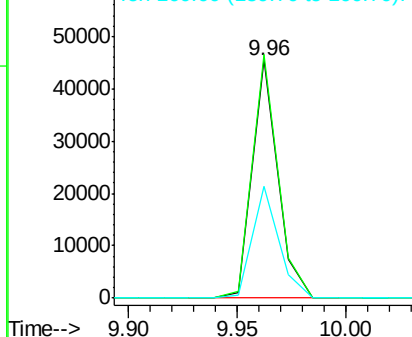


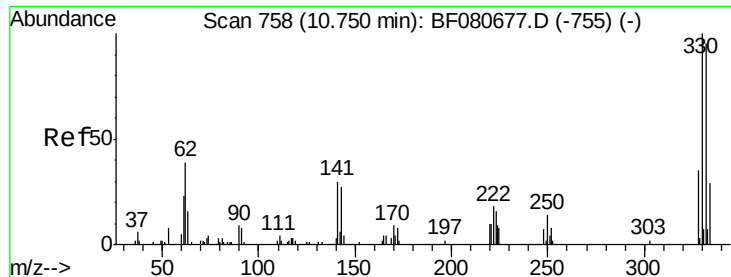
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BF080695.D
 Acq: 28 Jul 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36907		
162	102.2	82.0	123.0	
160	47.0	36.7	55.1	



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





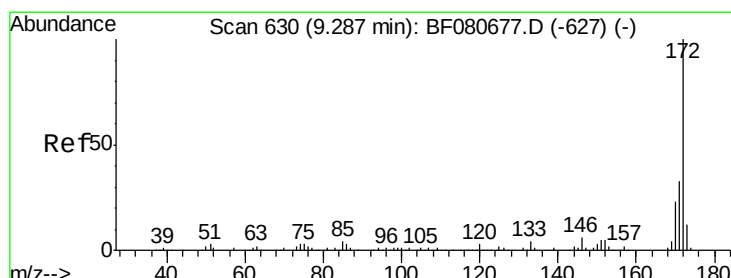
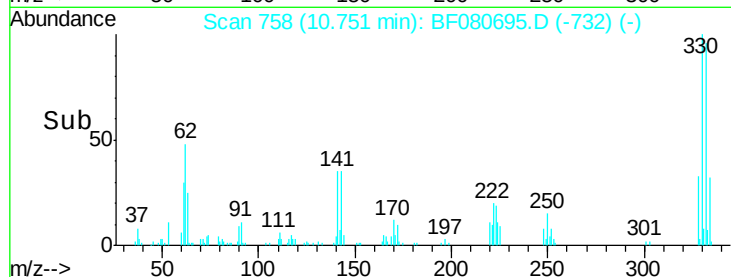
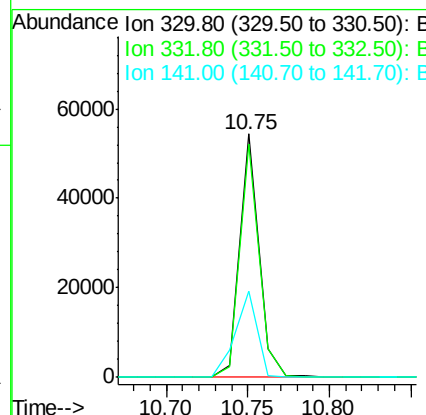
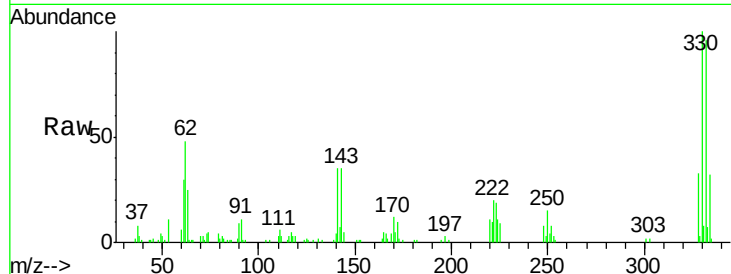
#41
 2,4,6-Tribromophenol
 Concen: 136.66 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF080695.D
 Acq: 28 Jul 2015 3:28

Instrument :
 BNA_F
 ClientSampleId :
 DUMBO-EP-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.9	115.3	
141	40.2	30.6	45.8	

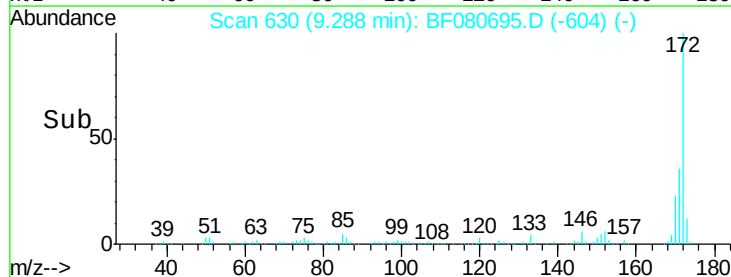
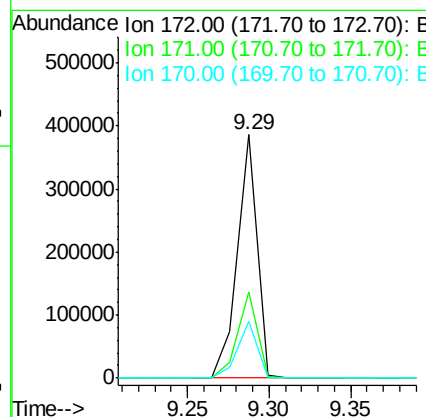
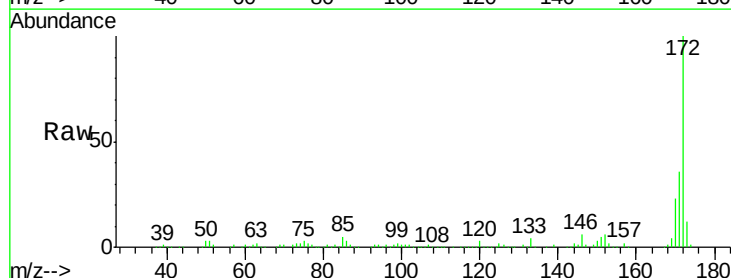
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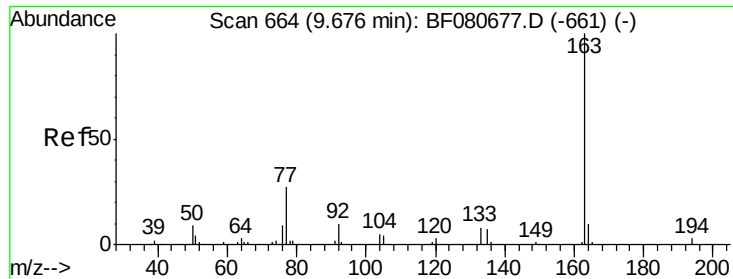
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#44
 2-Fluorobiphenyl
 Concen: 109.26 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF080695.D
 Acq: 28 Jul 2015 3:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	26.6	39.8	
170	23.3	18.6	28.0	





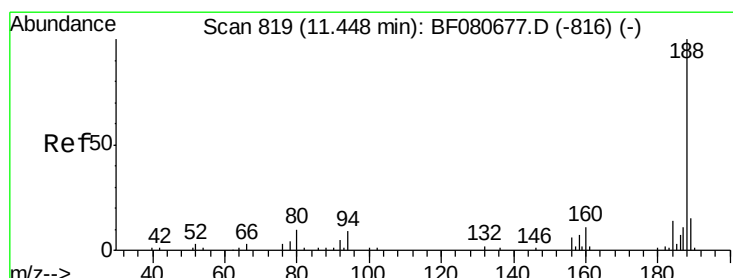
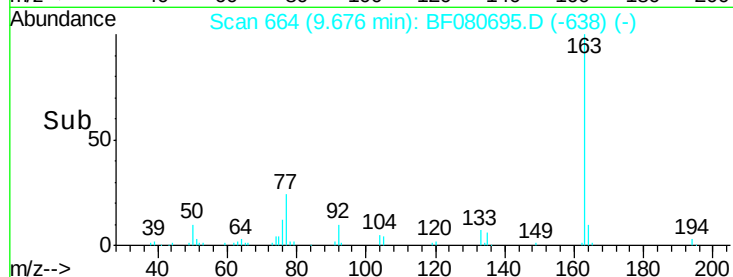
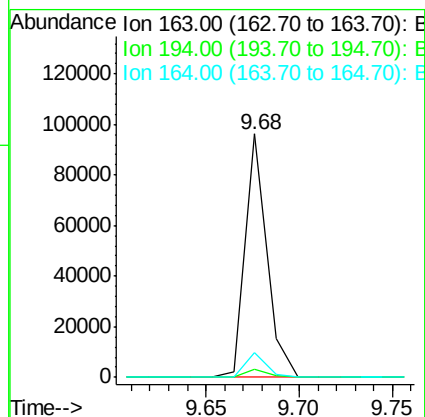
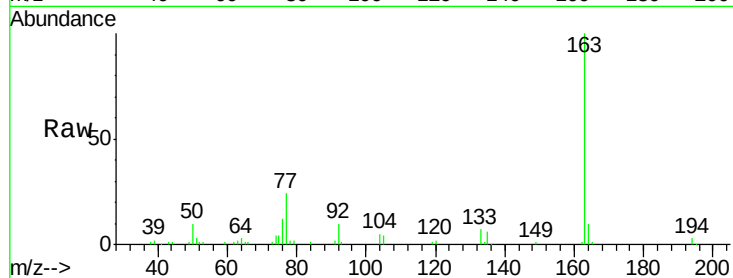
#49
Dimethylphthalate
Concen: 32.62 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF080695.D
Acq: 28 Jul 2015 3:28

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.4	3.6
164	10.1	8.1	12.1

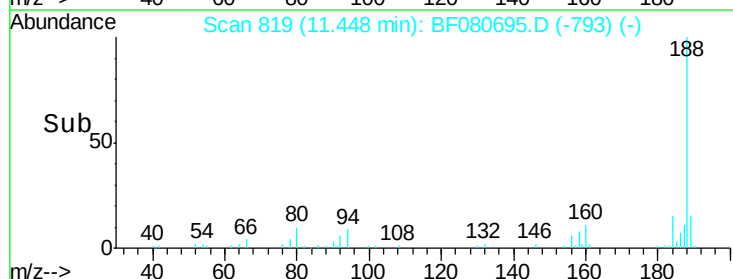
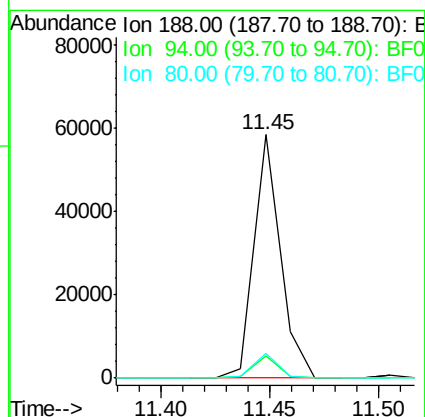
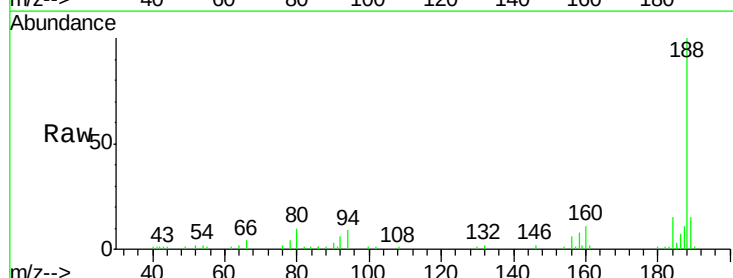
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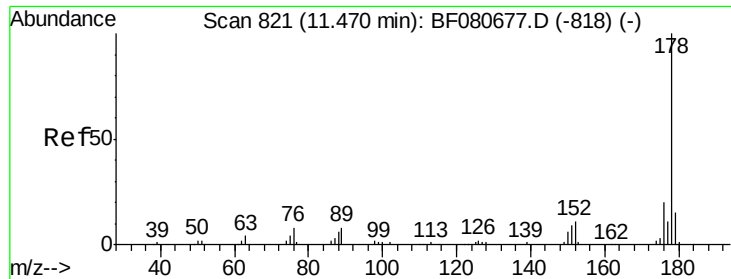
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF080695.D
Acq: 28 Jul 2015 3:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.1	8.2	12.2





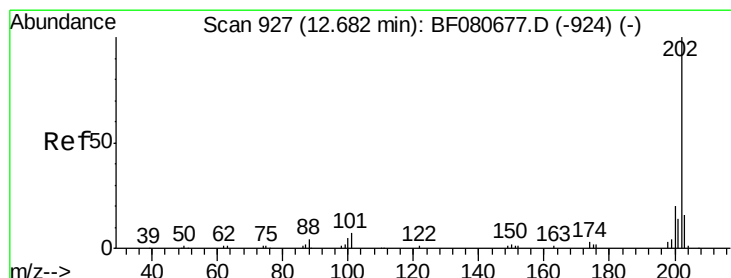
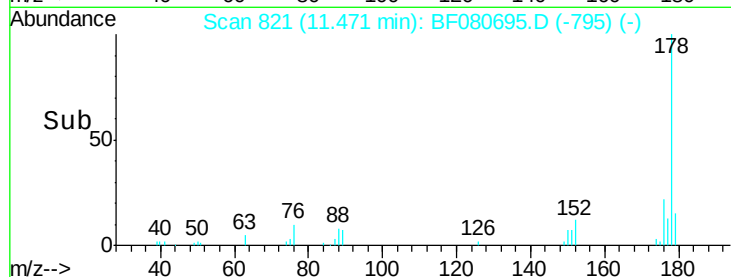
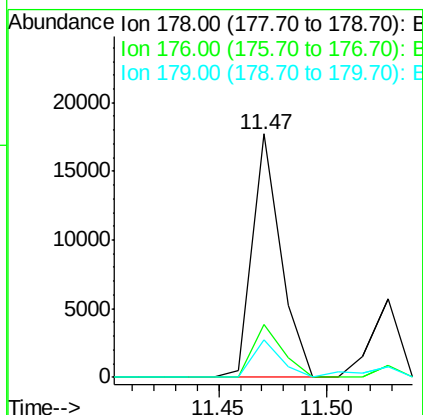
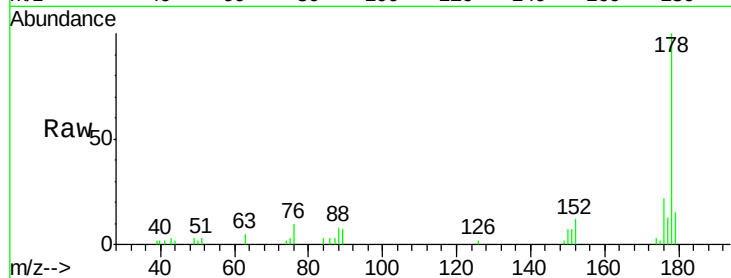
#70
Phenanthrene
Concen: 5.70 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF080695.D
Acq: 28 Jul 2015 3:28

Instrument :
BNA_F
ClientSampleId :
DUMBO-EP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.6	23.4
179	15.2	12.3	18.5

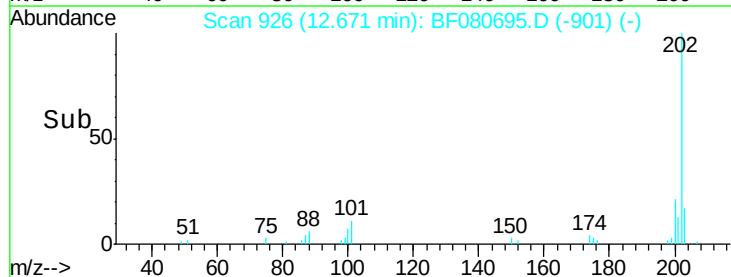
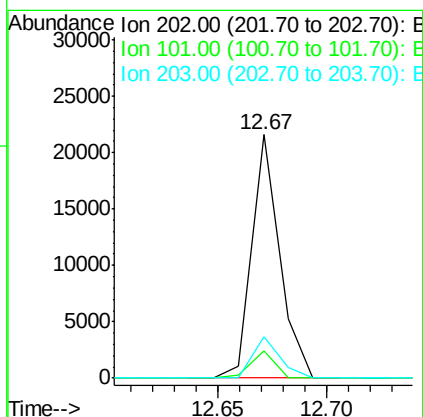
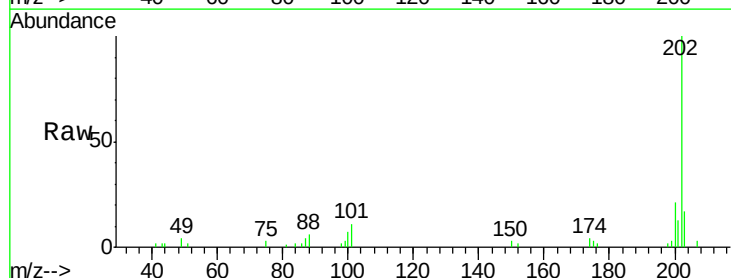
Manual Integrations
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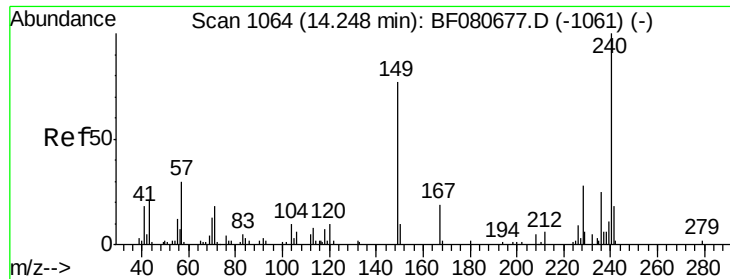
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#74
Fluoranthene
Concen: 8.66 ng
RT: 12.67 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF080695.D
Acq: 28 Jul 2015 3:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	27.3
203	17.2	0.0	36.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.20 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Instrument :

BNA_F

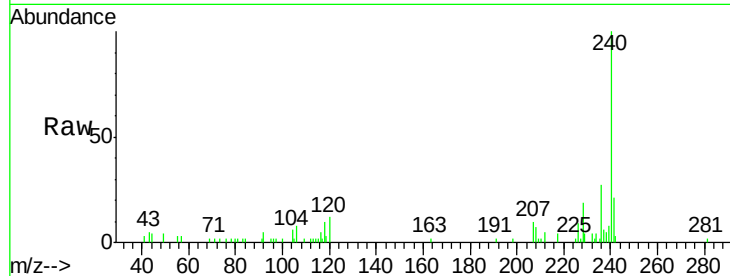
ClientSampled :

DUMBO-EP-4

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.0	12.0
236	27.1	20.0	30.0

Manual Integrations
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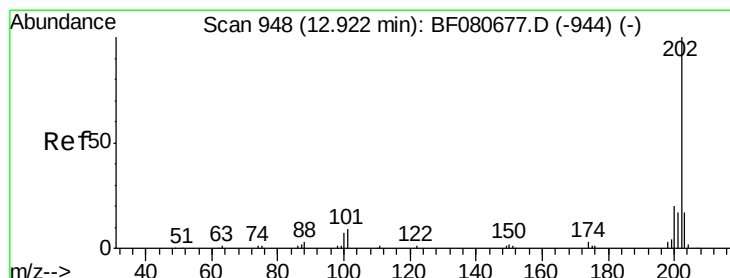
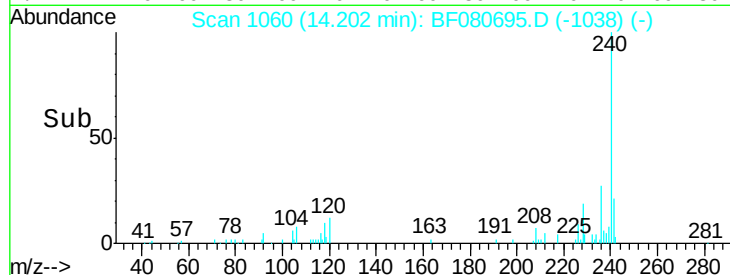
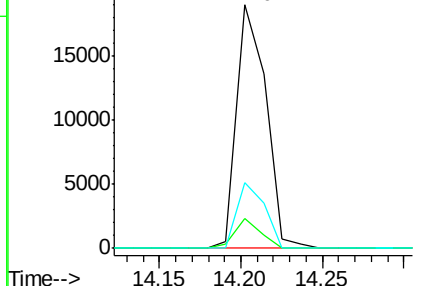
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.84 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF080695.D

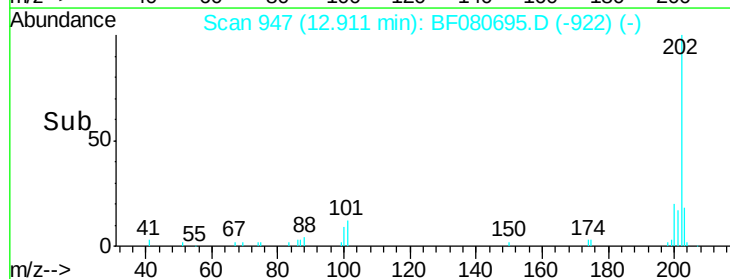
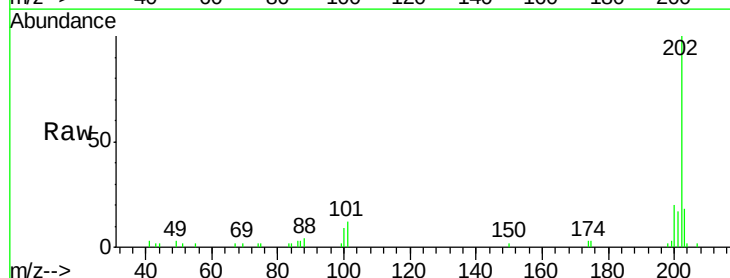
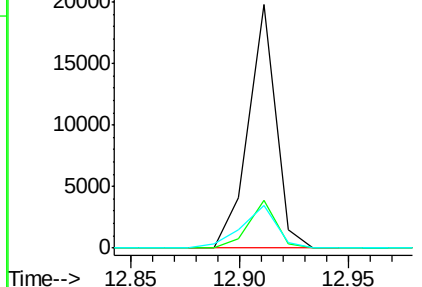
Acq: 28 Jul 2015 3:28

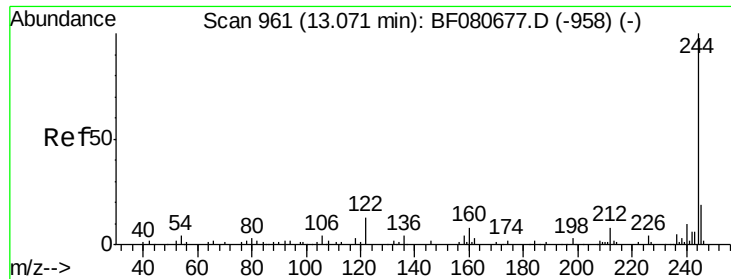
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.3	24.5
203	17.8	13.4	20.2

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: 115.78 ng

RT: 13.06 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Instrument :

BNA_F

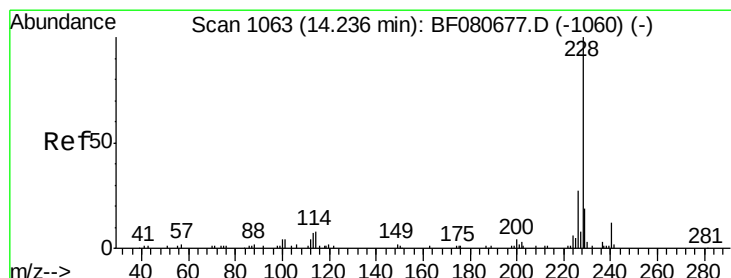
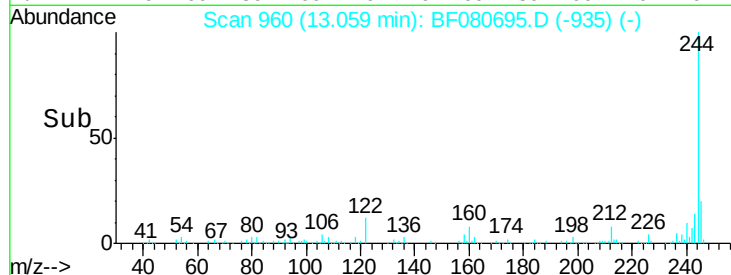
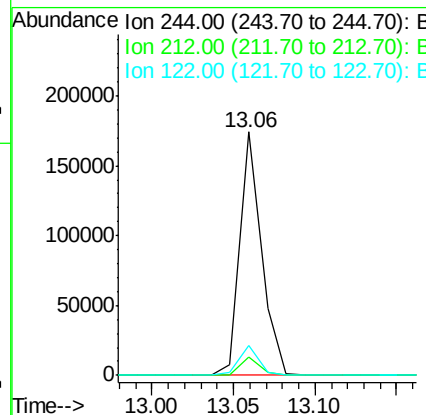
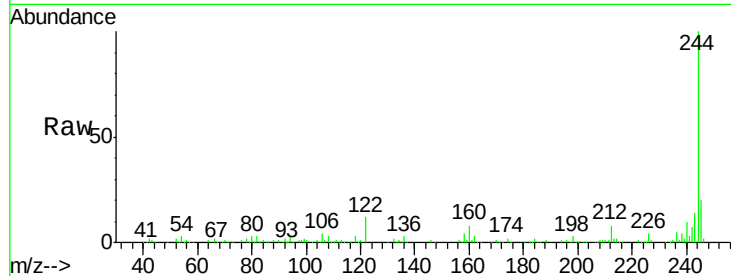
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.1	9.1
122	12.5	10.2	15.2

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#80

Benzo(a)anthracene

Concen: 4.32 ng

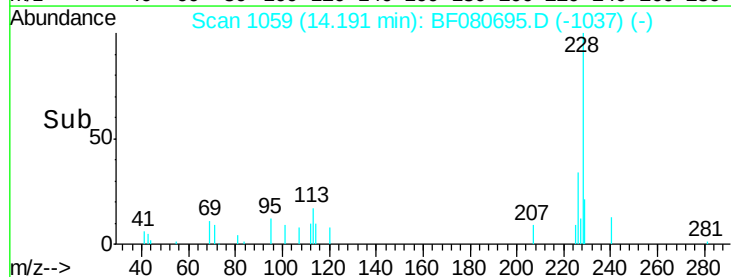
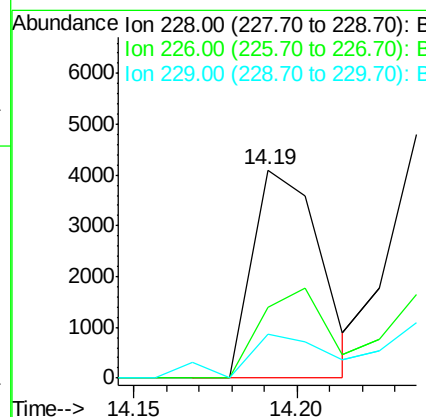
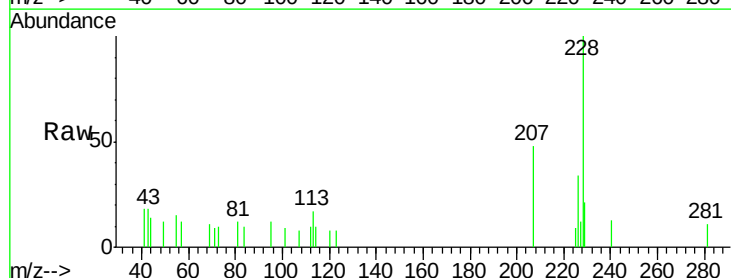
RT: 14.19 min Scan# 1059

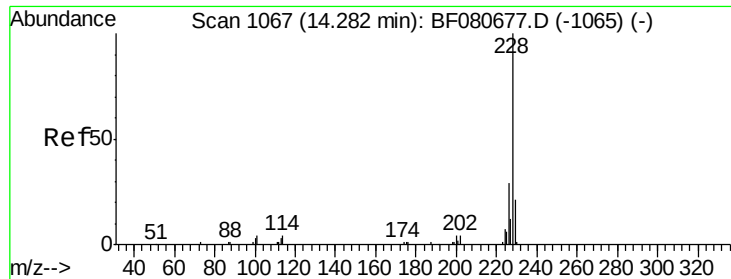
Delta R.T. -0.05 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	21.8	32.6#
229	21.1	14.9	22.3





#82

Chrysene

Concen: 3.89 ng/mL

RT: 14.24 min Scan# 1063

Delta R.T. -0.05 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Instrument :

BNA_F

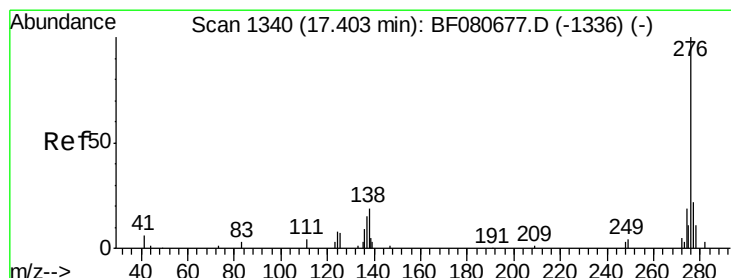
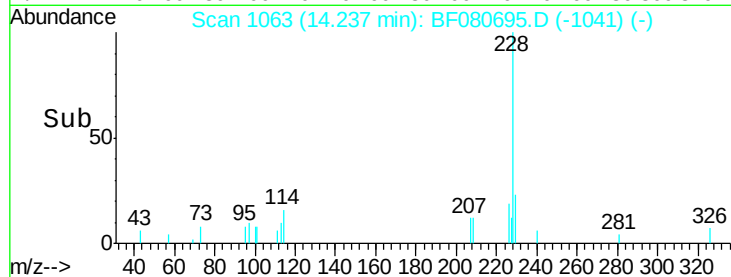
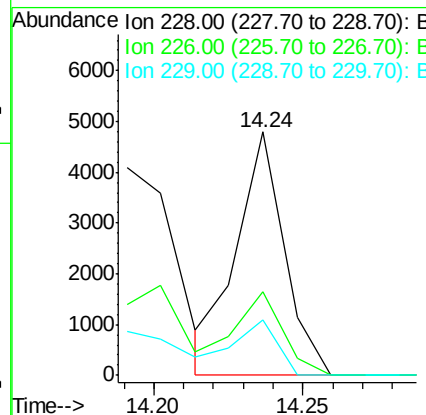
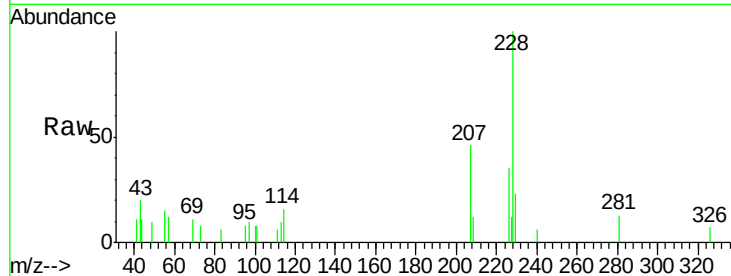
ClientSampleId :

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Tot Ion:	228	Resp:	5280
Ion Ratio	Lower	Upper	
228	100		
226	34.5	23.0	34.4#
229	22.6	17.1	25.7

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.52 ng/mL

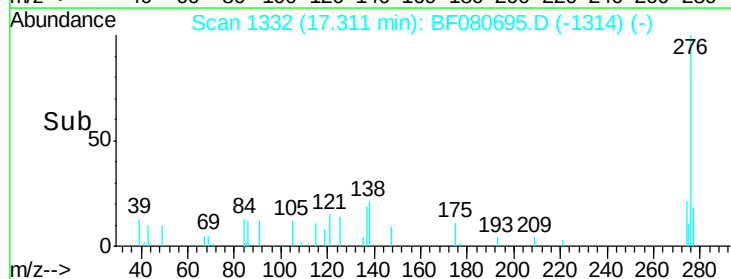
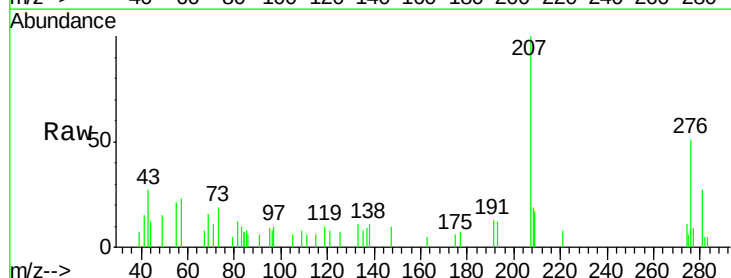
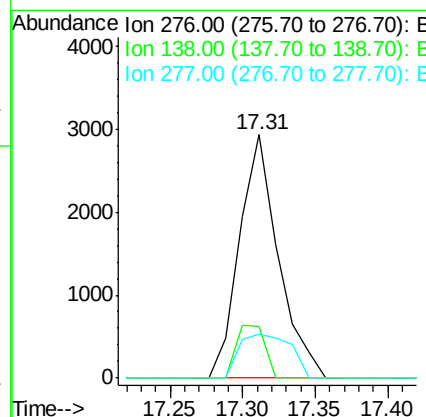
RT: 17.31 min Scan# 1332

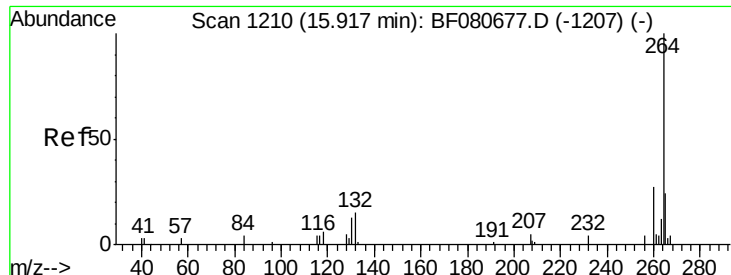
Delta R.T. -0.09 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Tgt Ion:	276	Resp:	5444
Ion Ratio	Lower	Upper	
276	100		
138	15.8	19.7	29.5#
277	23.9	18.2	27.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.84 min Scan# 1203

Delta R.T. -0.08 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Instrument :

BNA_F

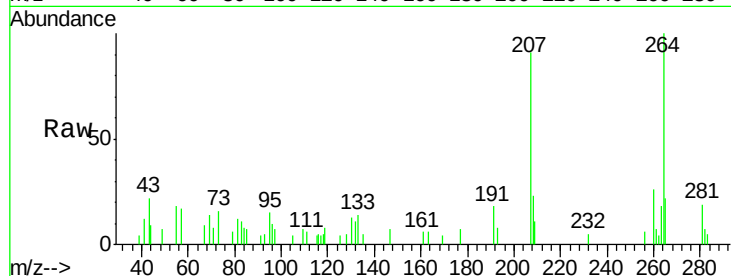
ClientSampleId :

DUMBO-EP-4

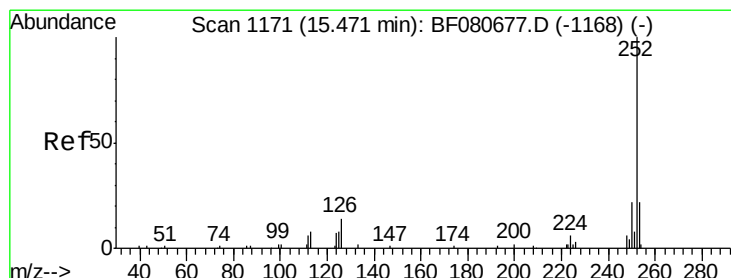
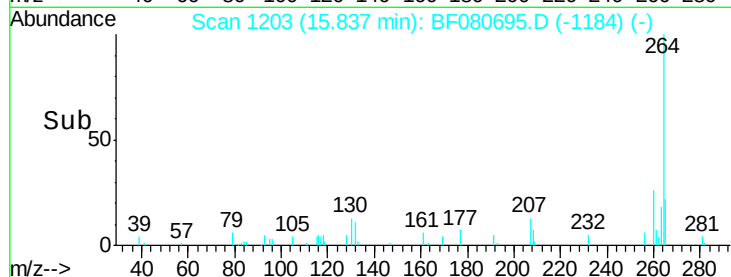
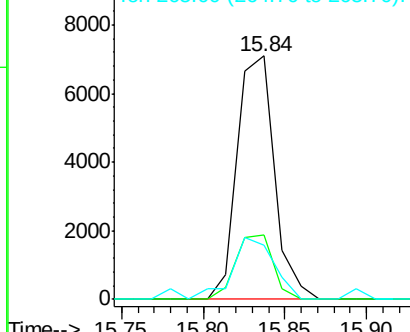
Tot Ion:	264	Resp:	11159
Ion Ratio	Lower	Upper	
264	100		
260	26.5	21.6	32.4
265	22.5	19.3	28.9

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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: 5.01 ng m

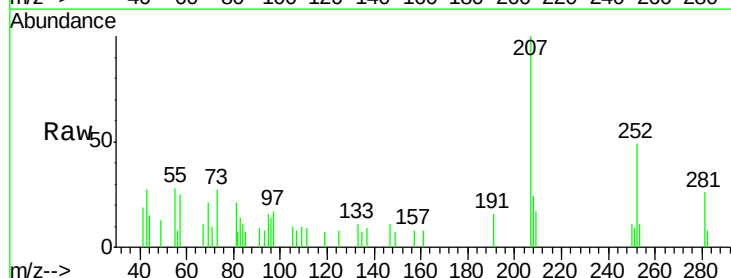
RT: 15.40 min Scan# 1165

Delta R.T. -0.07 min

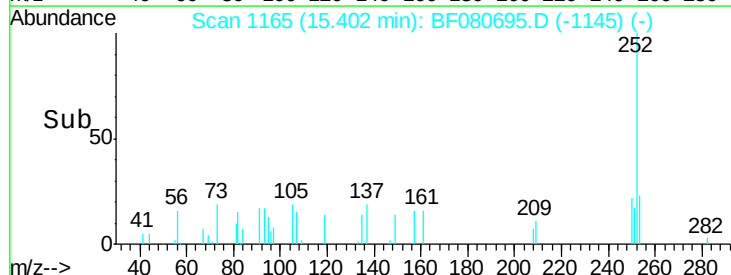
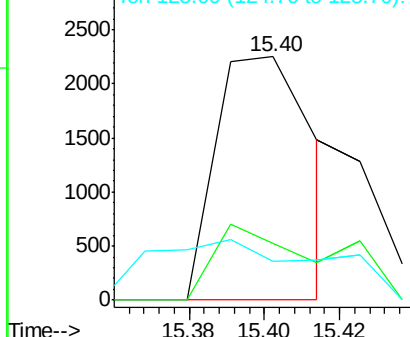
Lab File: BF080695.D

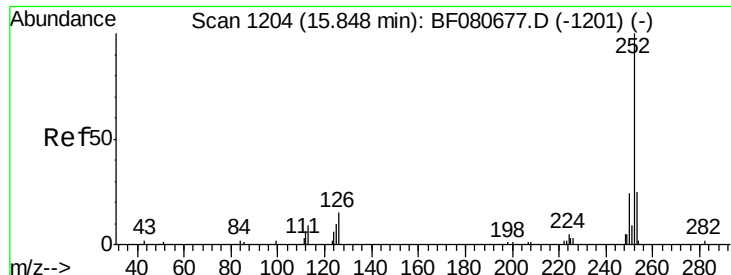
Acq: 28 Jul 2015 3:28

Tgt Ion:	252	Resp:	4073
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	15.8	6.7	10.1#



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





#89

Benzo(a)pyrene

Concen: 4.38 ng

RT: 15.77 min Scan# 1197

Delta R.T. -0.08 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Instrument :

BNA_F

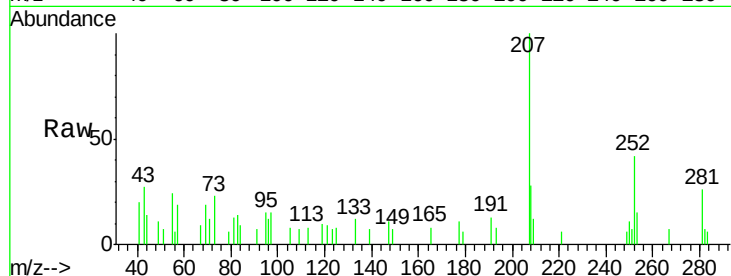
ClientSampleId :

DUMBO-EP-4

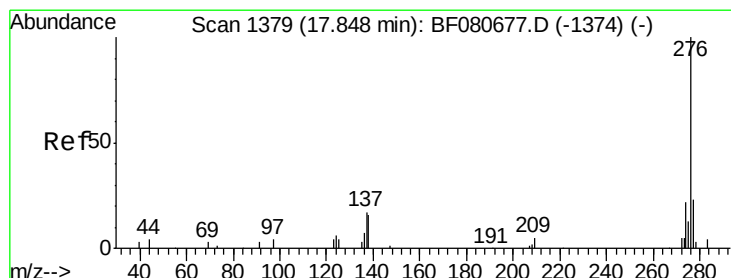
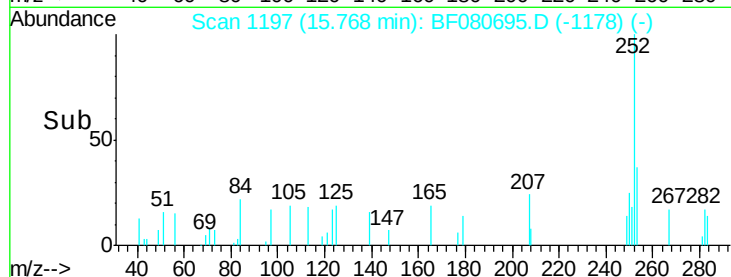
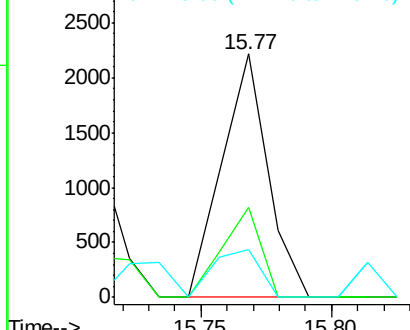
Tot Ion:	252	Resp:	2719
Ion Ratio	Lower	Upper	
252	100		
253	36.7	20.2	30.2#
125	19.3	8.4	12.6#

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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



#91

Benzo(g,h,i)perylene

Concen: 19.58 ng

RT: 17.76 min Scan# 1371

Delta R.T. -0.09 min

Lab File: BF080695.D

Acq: 28 Jul 2015 3:28

Tgt Ion:	276	Resp:	8104
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.7	28.1
138	27.7	12.7	19.1#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

