

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
 Data File : BF080461.D
 Acq On : 14 Jul 2015 11:26
 Operator : TP/UM
 Sample : G2954-06 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E2

Manual Integrations
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Quant Time: Jul 14 13:03:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	22278	20.00	ng	-0.02
21) Naphthalene-d8	8.42	136	103400	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	56570	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	110211	20.00	ng	-0.01
75) Chrysene-d12	14.58	240	106085	20.00	ng	0.05
86) Perylene-d12	16.36	264	107368	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	100417	77.24	ng	-0.02
7) Phenol-d6	6.77	99	135577	78.28	ng	-0.02
23) Nitrobenzene-d5	7.70	82	84233	46.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	32252	58.42	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	184627	43.96	ng	-0.01
78) Terphenyl-d14	13.33	244	202567	41.47	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.44	128	20906	3.70	ng	98
49) Dimethylphthalate	9.88	163	32289	7.55	ng	# 95
51) Acenaphthene	10.21	154	15432	3.90	ng	99
54) Dibenzofuran	10.38	168	14015	2.67	ng	91
57) Fluorene	10.73	166	15341	3.47	ng	# 95
70) Phenanthrene	11.70	178	249103	37.62	ng	98
71) Anthracene	11.75	178	69800	11.38	ng	98
72) Carbazole	11.91	167	20338	3.59	ng	# 96
74) Fluoranthene	12.93	202	352842	51.38	ng	96
77) Pyrene	13.19	202	304488	44.80	ng	99
80) Benzo(a)anthracene	14.56	228	169876	25.41	ng	99
82) Chrysene	14.60	228	144659	23.50	ng	98
85) Indeno(1,2,3-cd)pyrene	18.02	276	94383	12.34	ng	98
87) Benzo(b)fluoranthene	15.87	252	199216m	26.71	ng	
88) Benzo(k)fluoranthene	15.91	252	62242m	10.21	ng	
89) Benzo(a)pyrene	16.29	252	145055	22.20	ng	97
90) Dibenzo(a,h)anthracene	18.02	278	21283	3.29	ng	# 83
91) Benzo(g,h,i)perylene	18.51	276	90540	14.08	ng	97

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

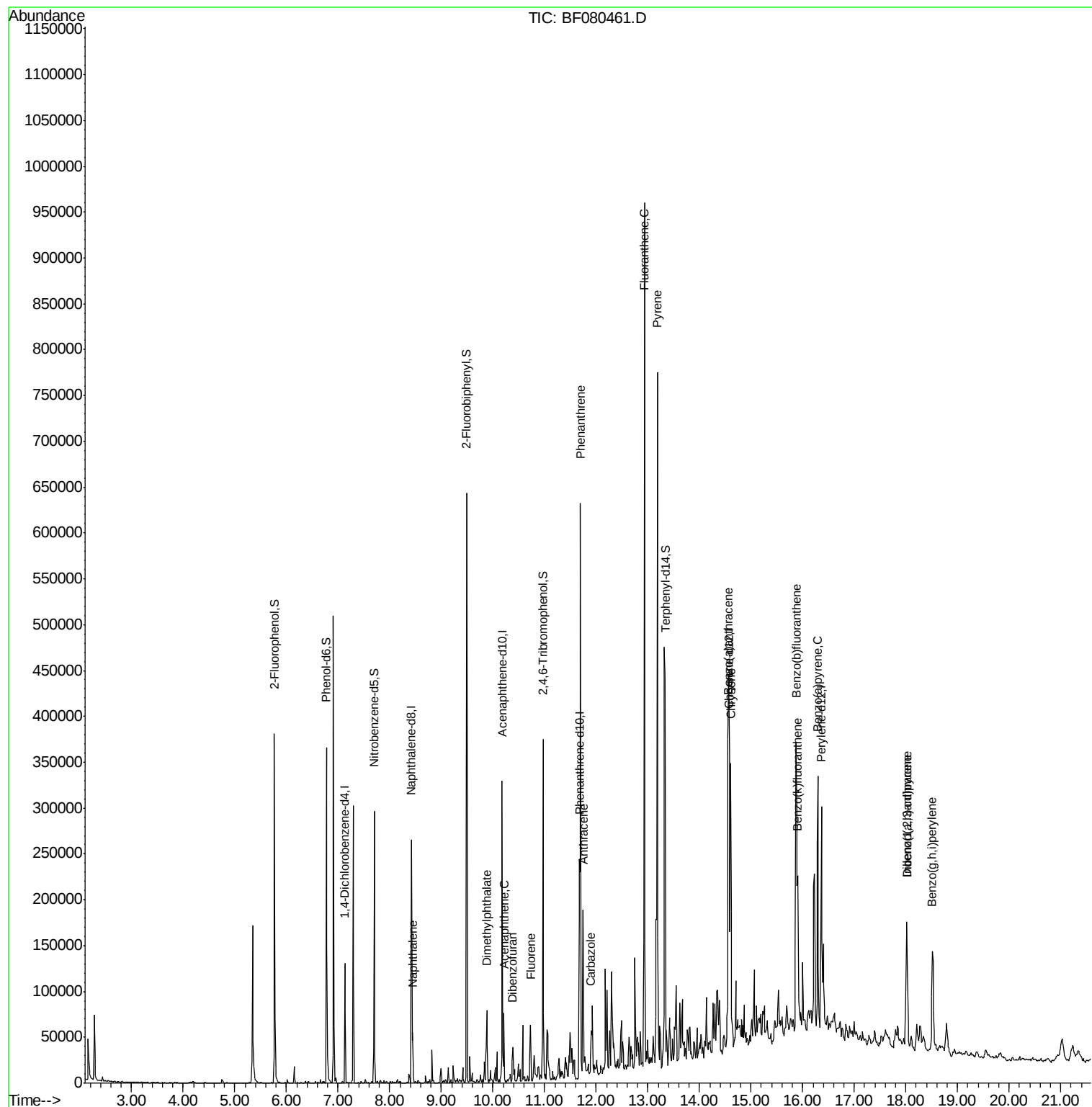
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080461.D
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Sample : G2954-06 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

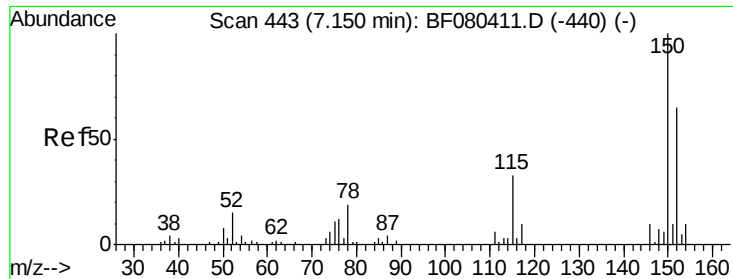
Instrument :
BNA_F
ClientSampleId :
TEC-E2

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Quant Time: Jul 14 13:03:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 11 05:35:30 2015
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#1

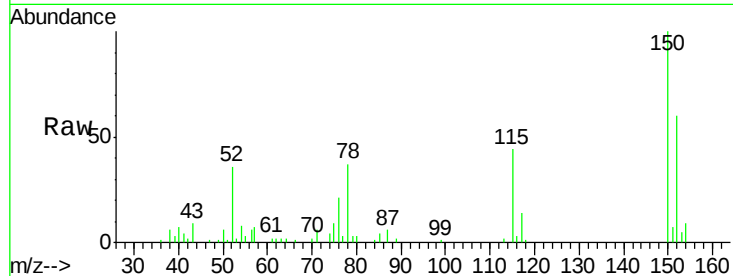
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Instrument :
BNA_F
ClientSampled :
TEC-E2

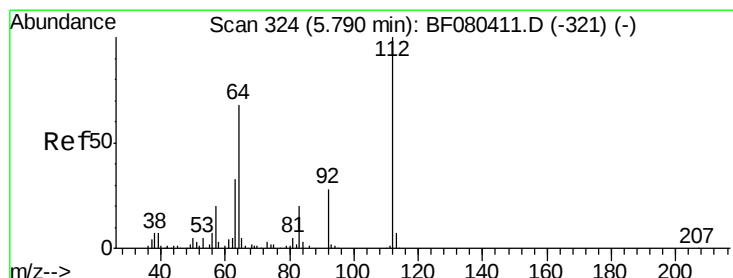
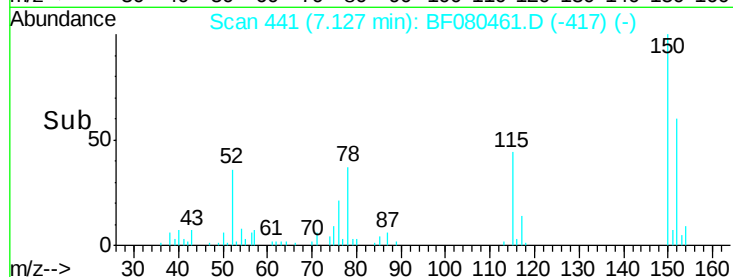
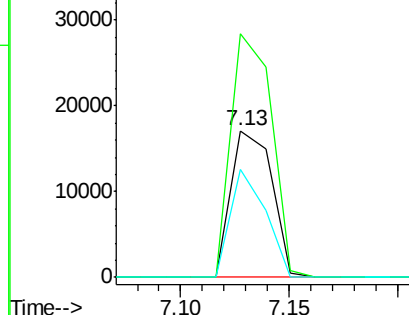
Tgt Ion	Ratio	Lower	Upper
152	100		
150	166.2	122.3	183.5
115	73.3	41.0	61.4

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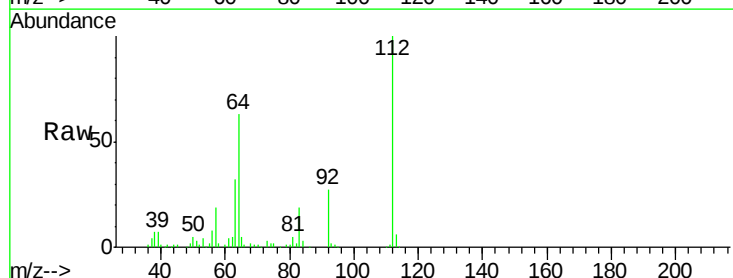
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



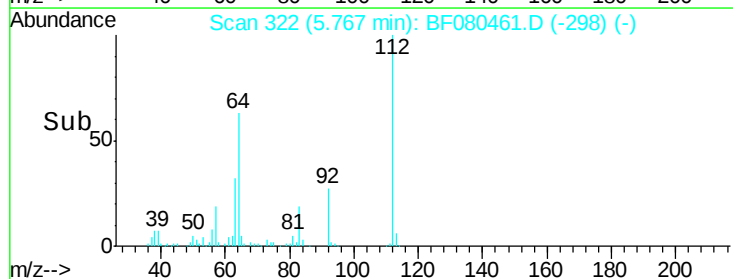
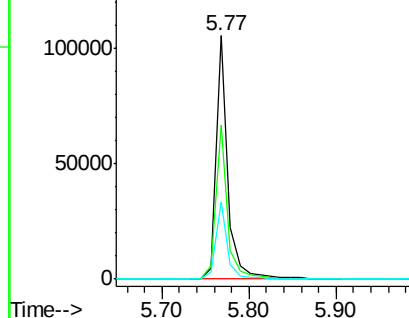
#5

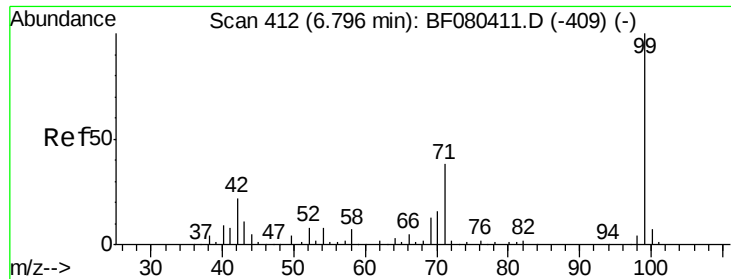
2-Fluorophenol
Concen: 77.24 ng
RT: 5.77 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	54.3	81.5
63	31.6	26.7	40.1



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: 78.28 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

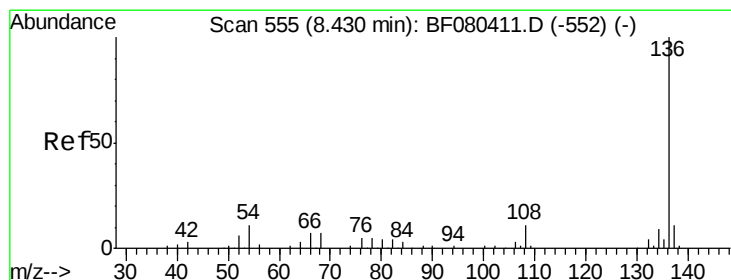
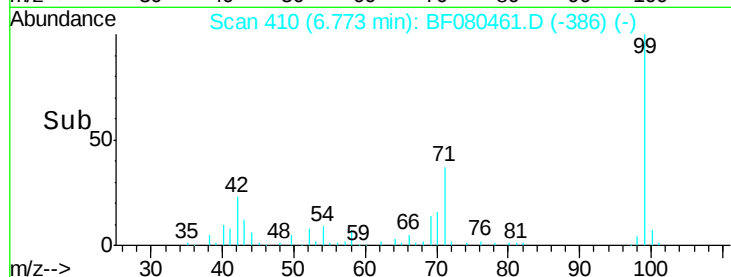
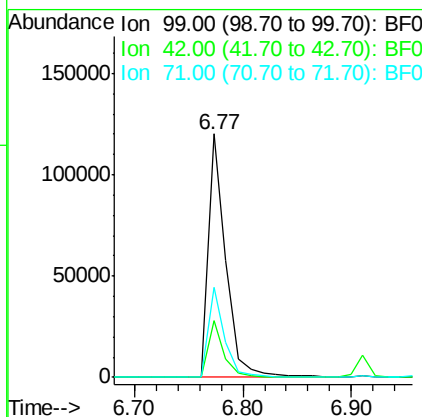
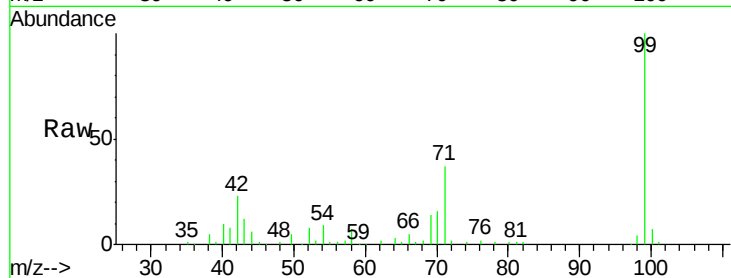
ClientSampleId :

TEC-E2

Tgt Ion:	99	Resp:	135577
Ion Ratio	Lower	Upper	
99	100		
42	23.0	17.9	26.9
71	37.0	30.1	45.1

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#21

Naphthalene-d8

Concen: 20.00 ng

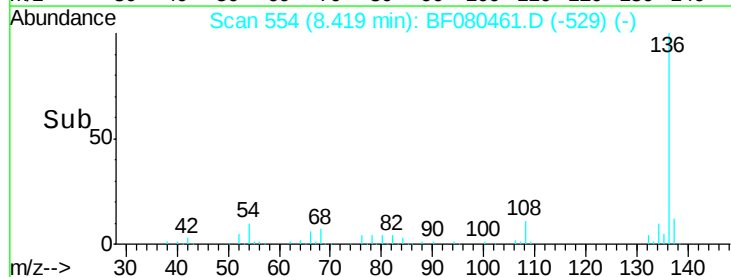
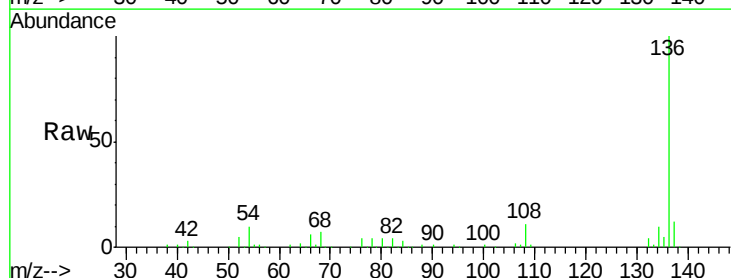
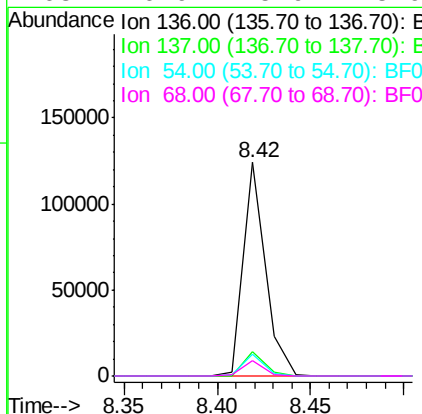
RT: 8.42 min Scan# 554

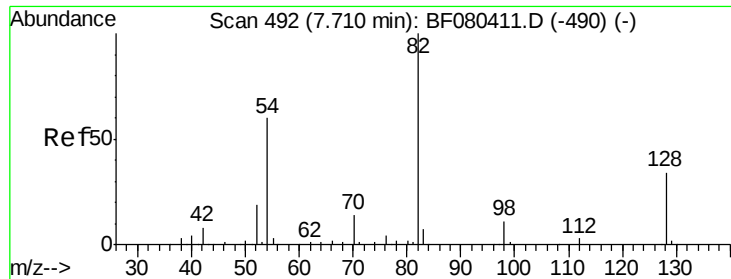
Delta R.T. -0.01 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Tgt Ion:	136	Resp:	103400
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	10.4	9.1	13.7
68	6.9	5.9	8.9





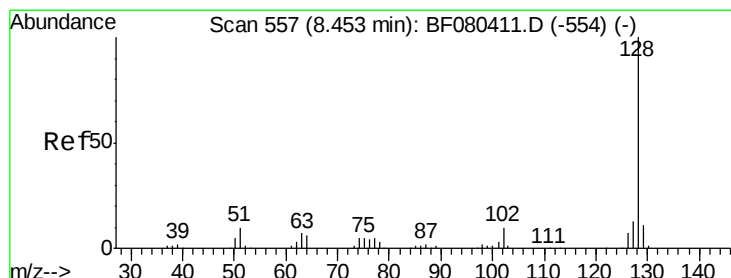
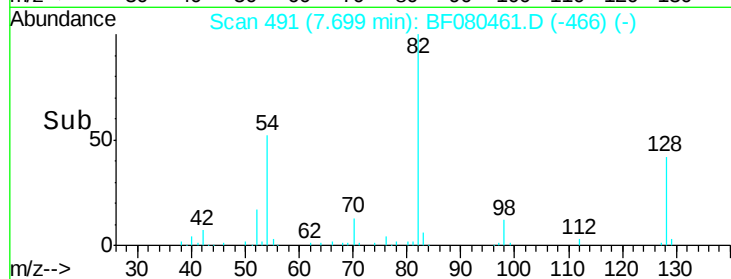
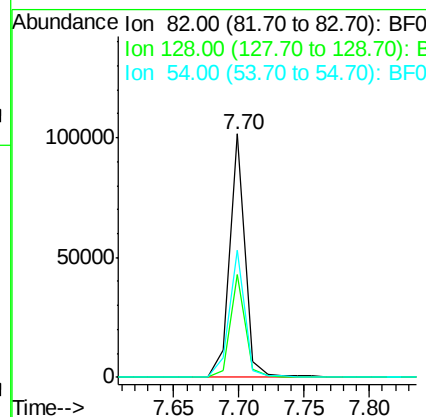
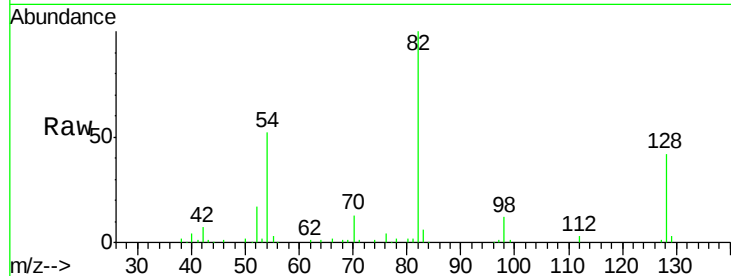
#23
 Nitrobenzene-d5
 Concen: 46.46 ng
 RT: 7.70 min Scan# 491
 Delta R.T. -0.01 min
 Lab File: BF080461.D
 Acq: 14 Jul 2015 11:26

Instrument :
 BNA_F
 ClientSampleID :
 TEC-E2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.3	26.9	40.3#
54	52.1	47.7	71.5

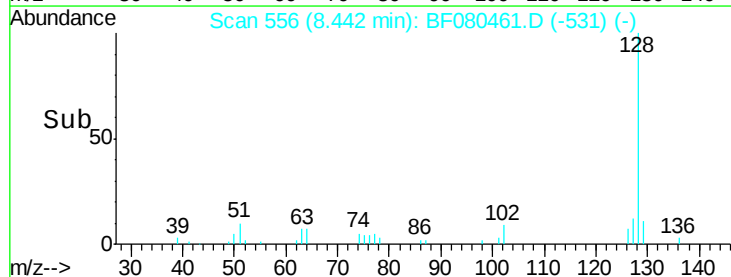
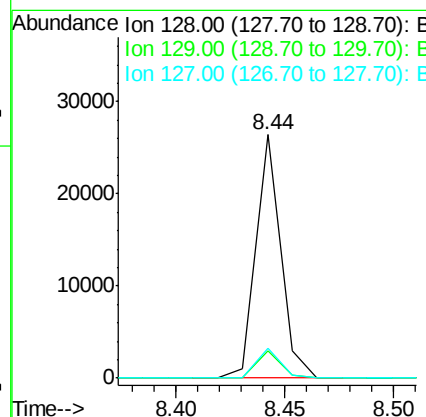
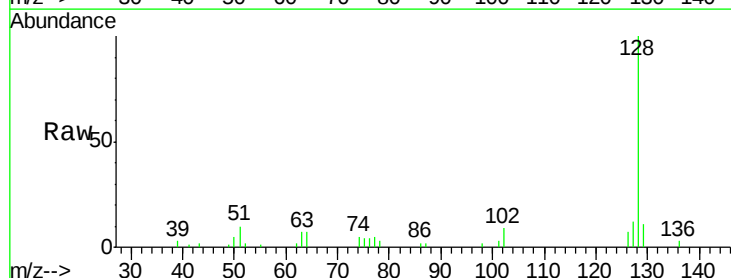
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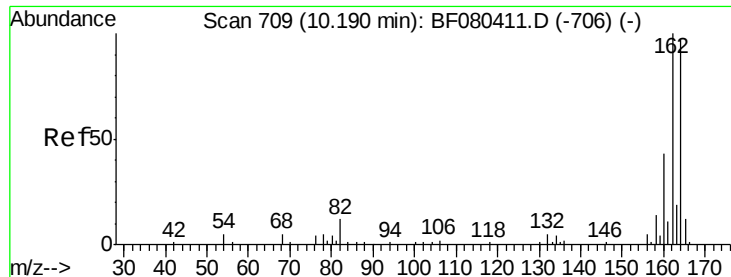
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#31
 Naphthalene
 Concen: 3.70 ng
 RT: 8.44 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF080461.D
 Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	12.5	10.7	16.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF080461.D

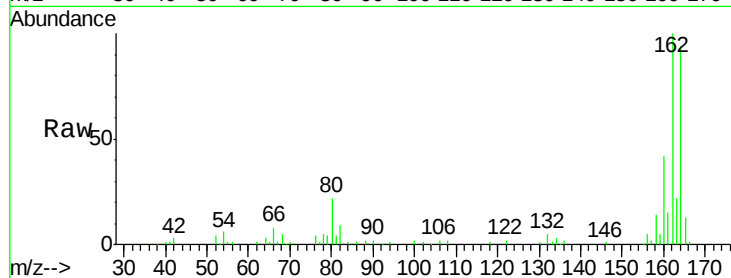
Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

ClientSampled :

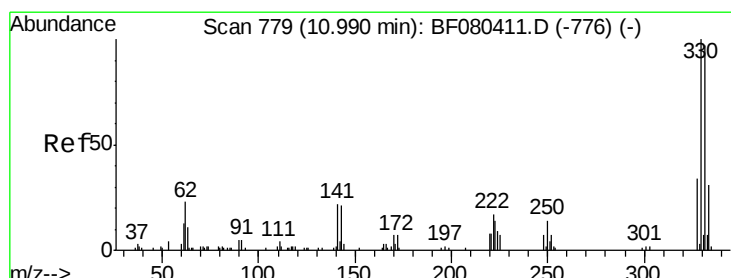
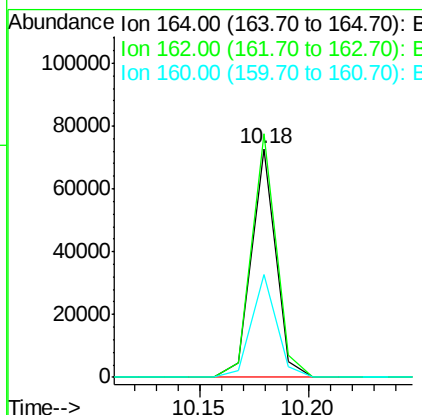
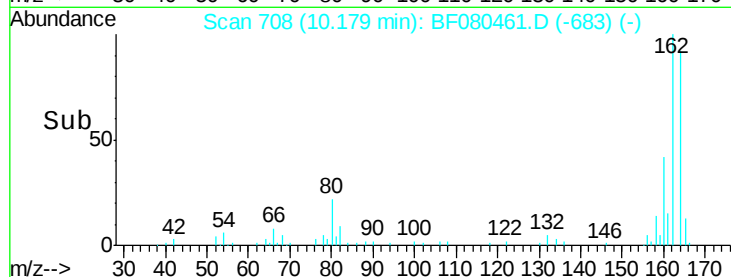
TEC-E2



Tgt Ion:	164	Resp:	56570
Ion Ratio	Lower	Upper	
164	100		
162	106.4	82.7	124.1
160	44.8	35.5	53.3

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#41

2,4,6-Tribromophenol

Concen: 58.42 ng

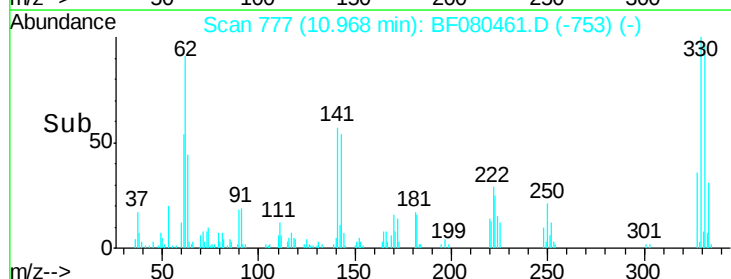
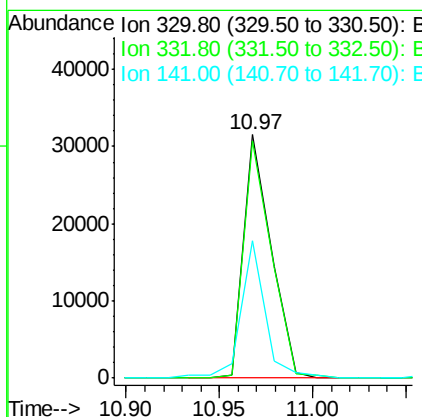
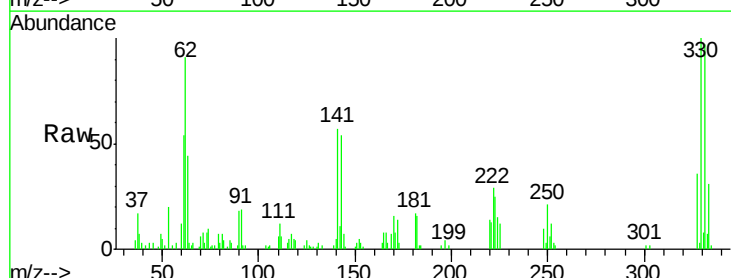
RT: 10.97 min Scan# 777

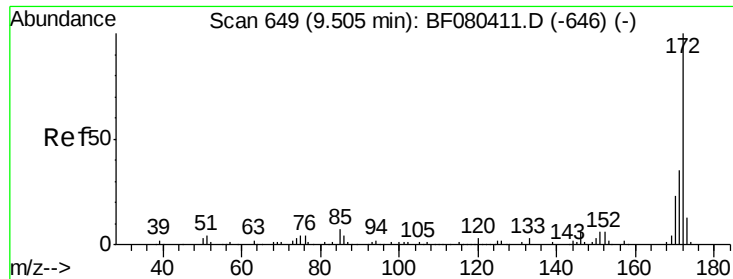
Delta R.T. -0.02 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Tgt Ion:	330	Resp:	32252
Ion Ratio	Lower	Upper	
330	100		
332	98.6	78.0	117.0
141	50.4	28.6	43.0#





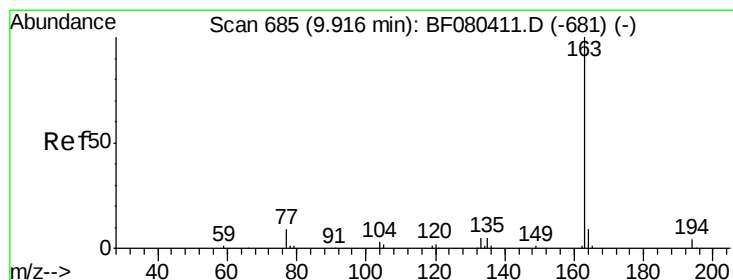
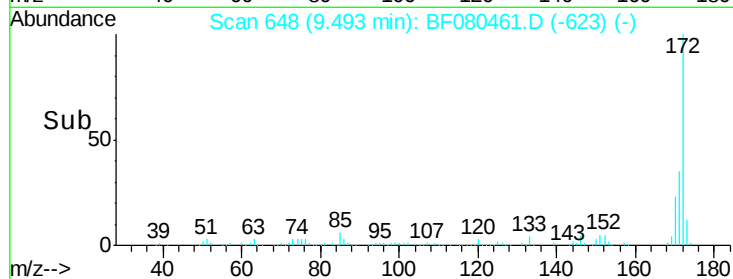
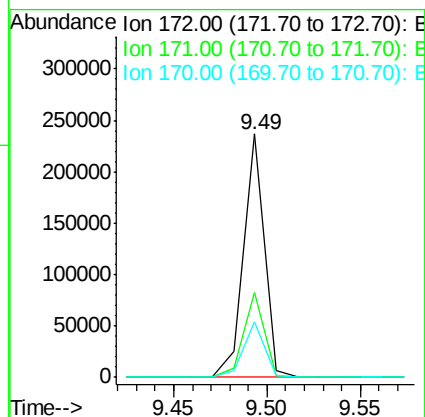
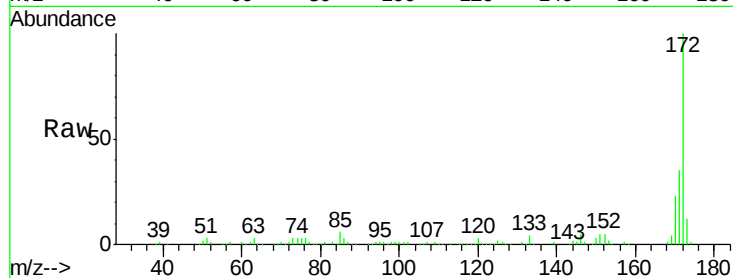
#44
2-Fluorobiphenyl
Concen: 43.96 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Instrument :
BNA_F
ClientSampleId :
TEC-E2

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.0	28.4	42.6
170	22.9	18.6	28.0

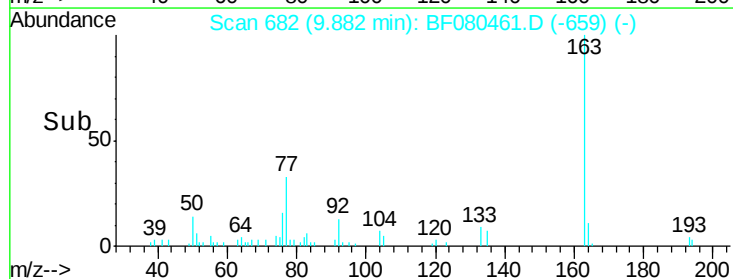
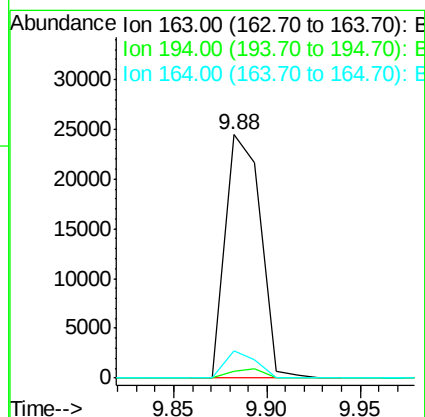
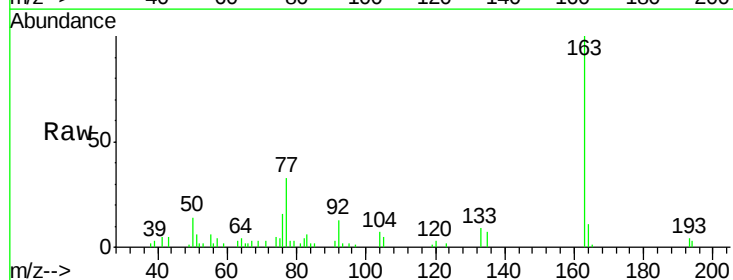
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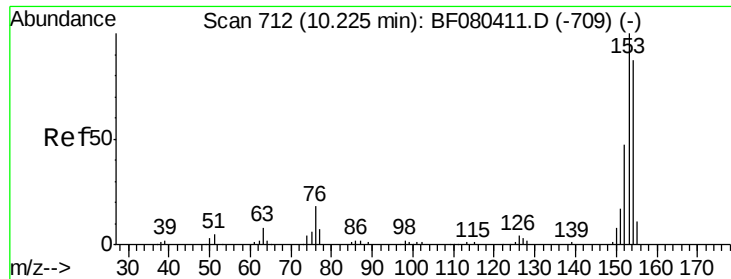
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#49
Dimethylphthalate
Concen: 7.55 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	3.4	5.2#
164	11.4	7.4	11.0#





#51

Acenaphthene

Concen: 3.90 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

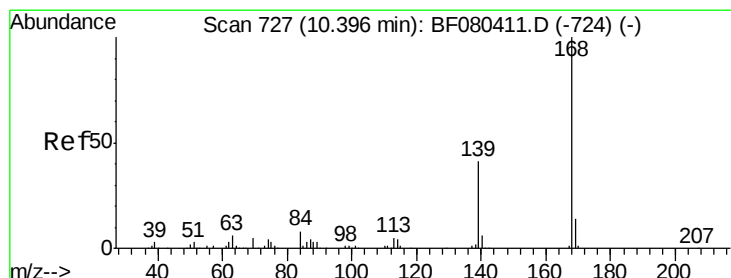
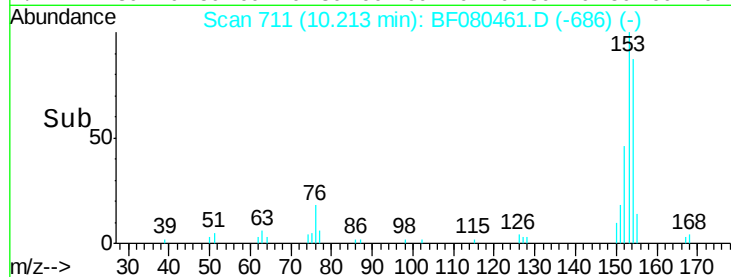
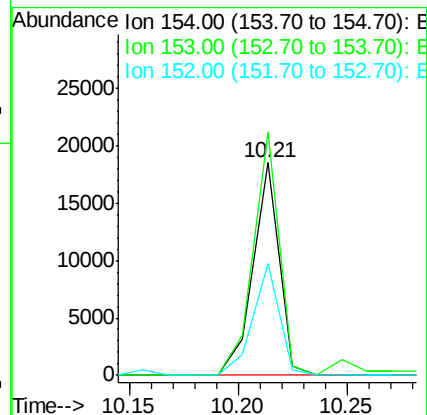
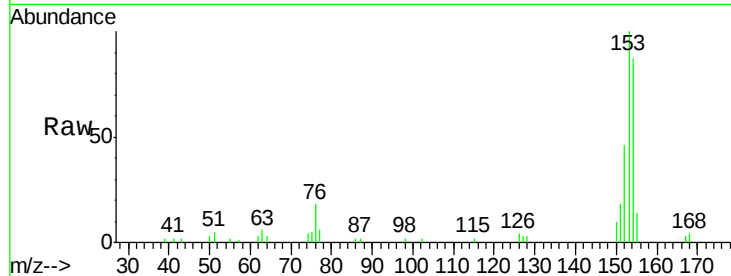
ClientSampleId :

TEC-E2

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.4	91.7	137.5	
152	52.7	43.5	65.3	

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#54

Dibenzofuran

Concen: 2.67 ng

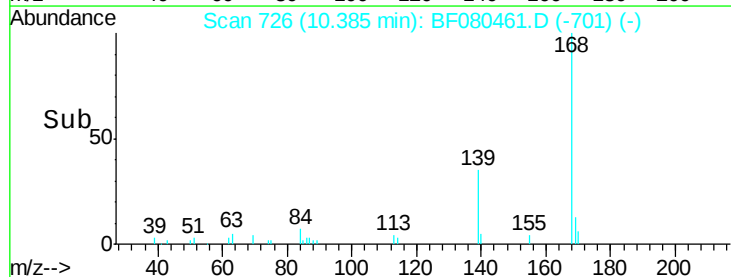
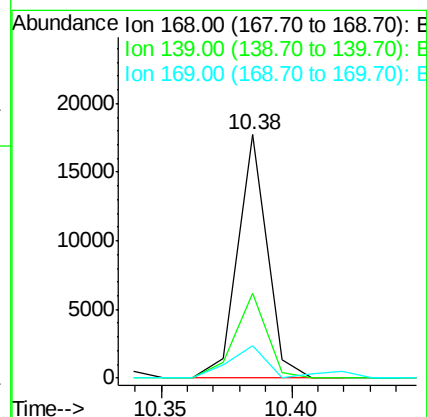
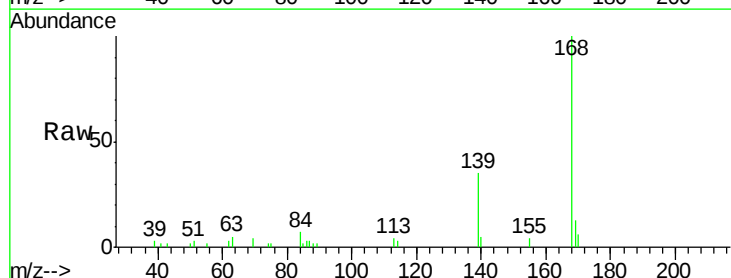
RT: 10.38 min Scan# 726

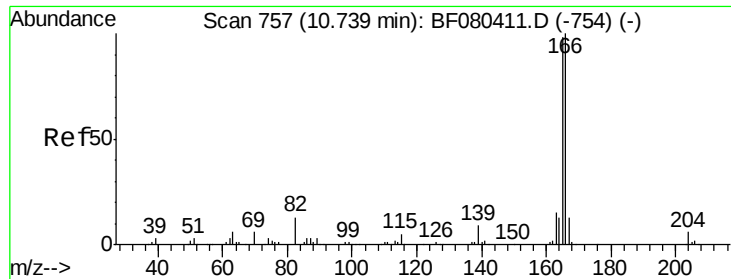
Delta R.T. -0.01 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	34.9	33.4	50.2	
169	13.4	11.1	16.7	





#57

Fluorene

Concen: 3.47 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

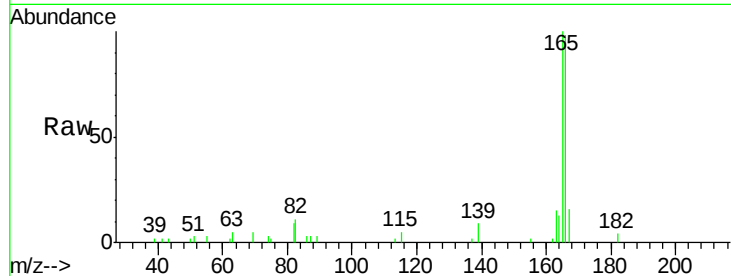
ClientSampled :

TEC-E2

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	15341		
165	102.4	78.3	117.5	
167	16.2	10.6	15.8#	

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Abundance

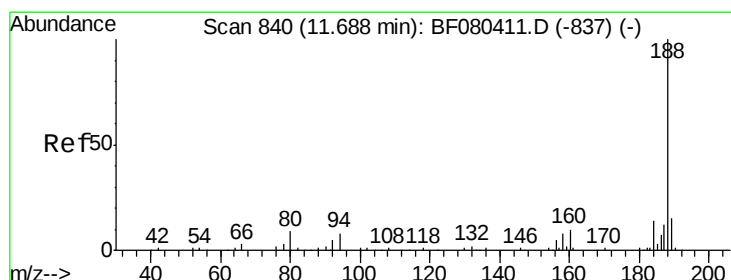
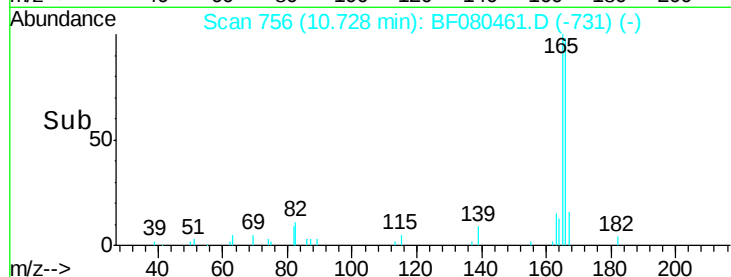
Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

10.73

Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

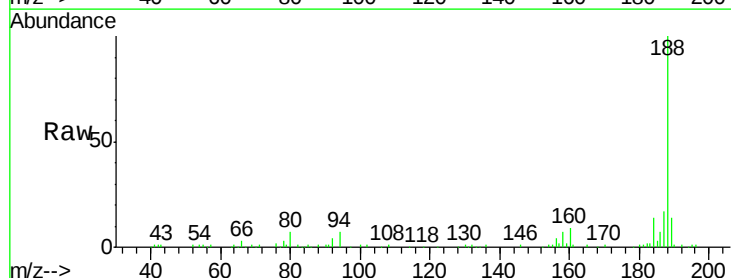
RT: 11.68 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	110211		
94	6.8	6.7	10.1	
80	7.1	7.5	11.3#	



Abundance

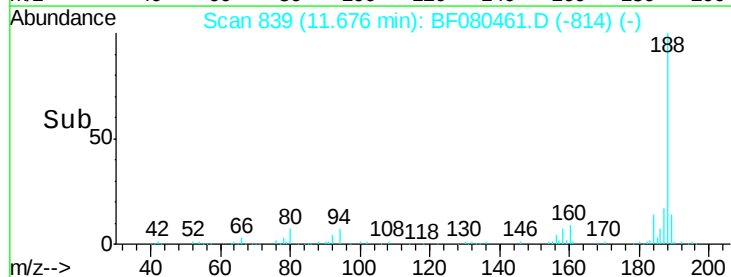
Ion 188.00 (187.70 to 188.70): E

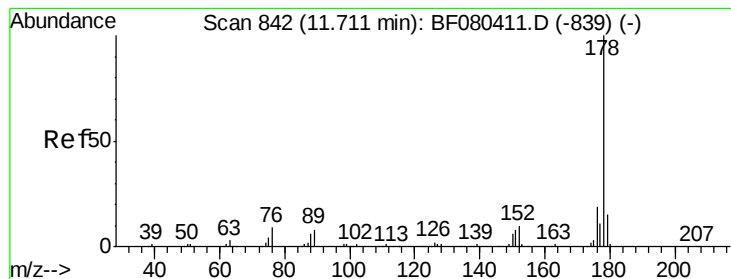
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.68

Time-->





#70

Phenanthrene

Concen: 37.62 ng

RT: 11.70 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

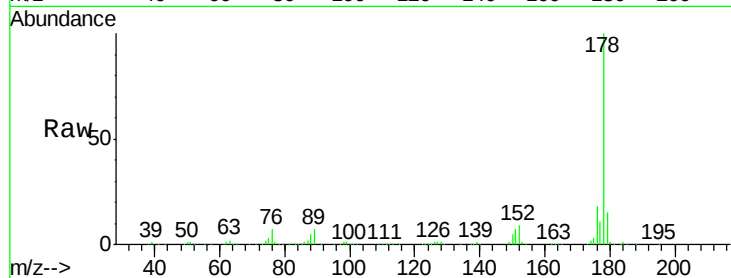
ClientSampleId :

TEC-E2

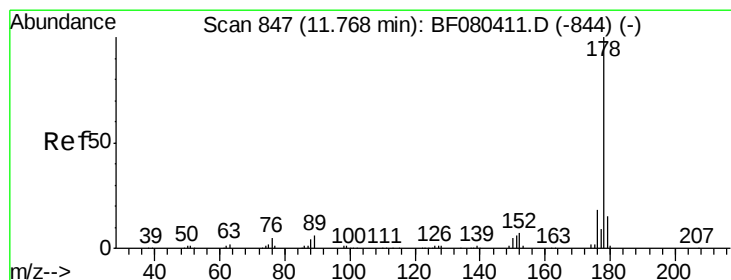
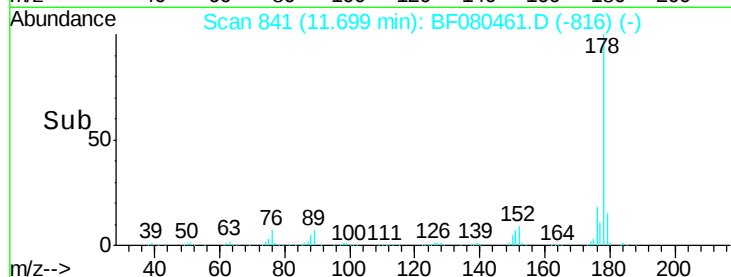
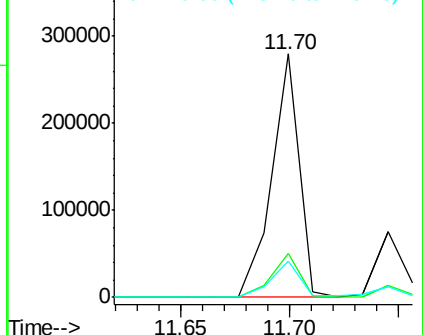
Tgt Ion:	178	Resp:	249103
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.2	22.8
179	14.9	12.4	18.6

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 11.38 ng

RT: 11.75 min Scan# 845

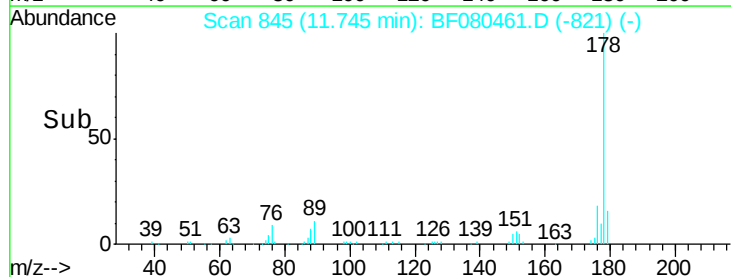
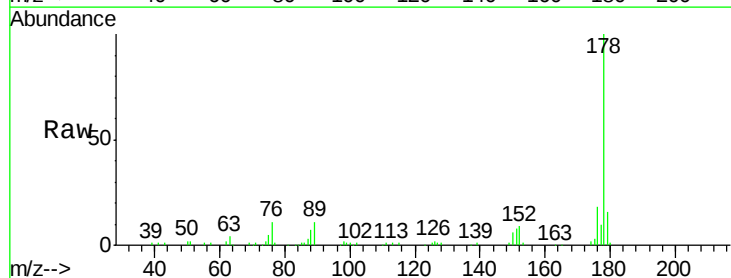
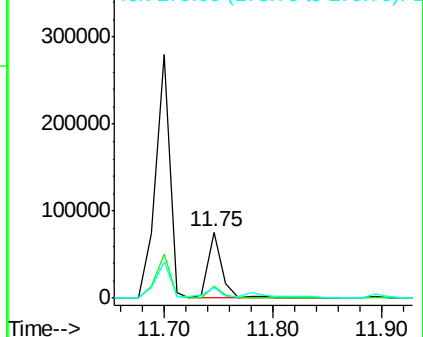
Delta R.T. -0.02 min

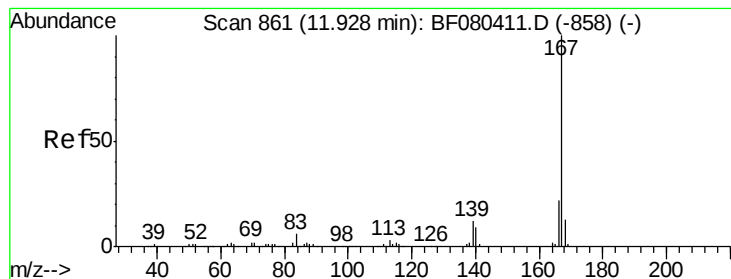
Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Tgt Ion:	178	Resp:	69800
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.2	21.4
179	15.6	11.6	17.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.59 ng

RT: 11.91 min Scan# 859

Delta R.T. -0.02 min

Lab File: BF080461.D

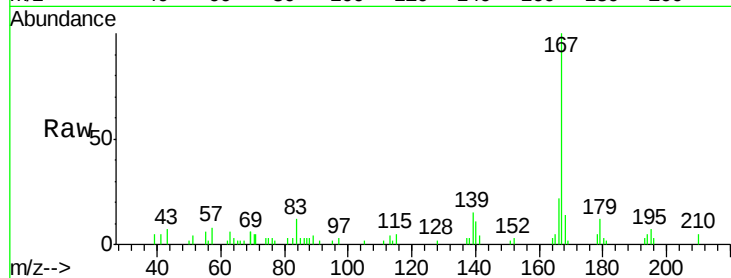
Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

ClientSampleId :

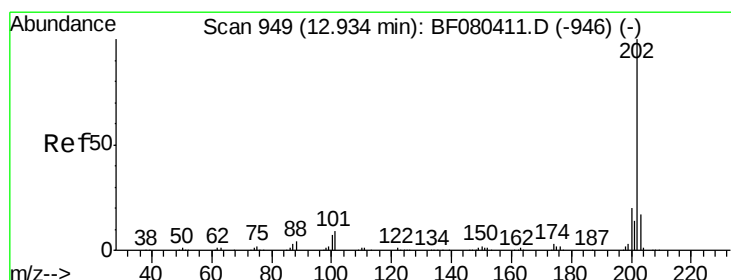
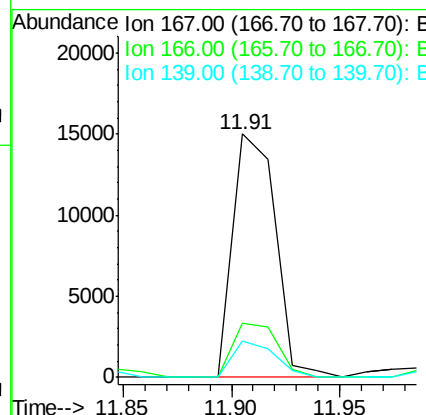
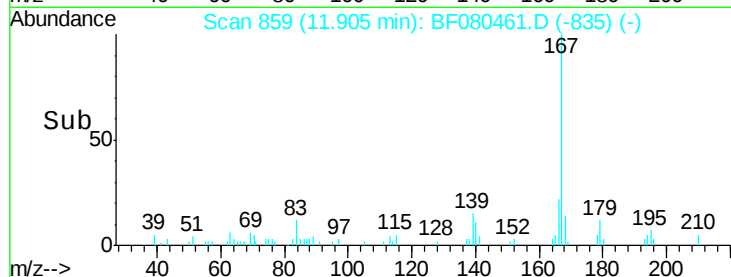
TEC-E2



Tgt Ion:	167	Resp:	20338
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.4	26.2
139	15.1	9.5	14.3#

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#74

Fluoranthene

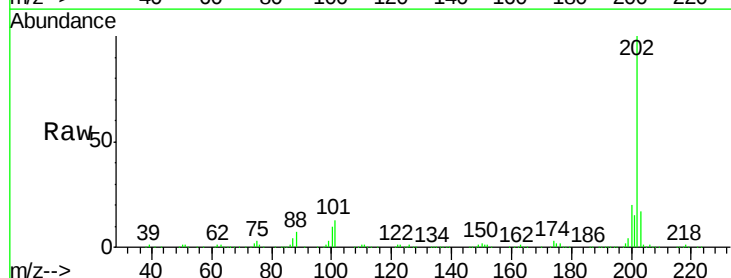
Concen: 51.38 ng

RT: 12.93 min Scan# 949

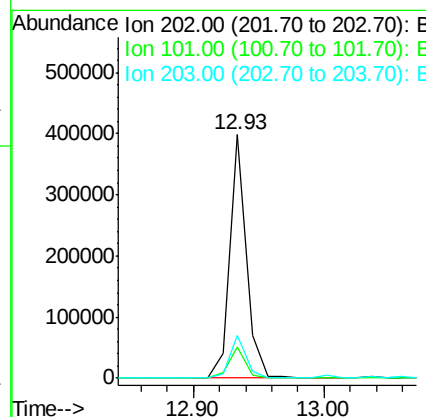
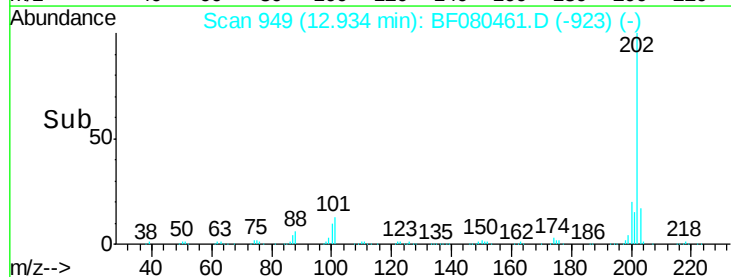
Delta R.T. 0.00 min

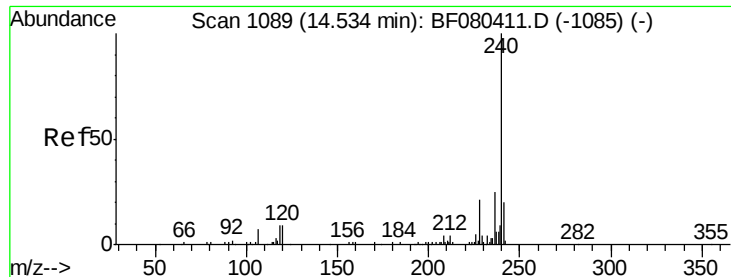
Lab File: BF080461.D

Acq: 14 Jul 2015 11:26



Tgt Ion:	202	Resp:	352842
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	28.8
203	17.4	0.0	37.3





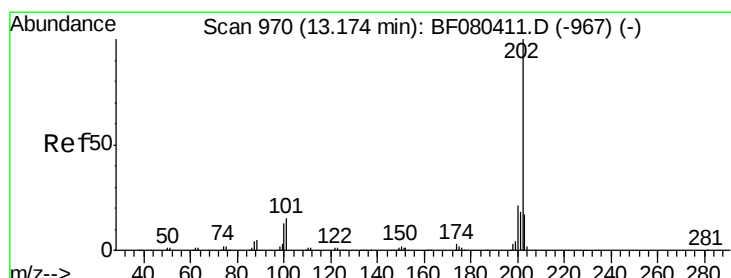
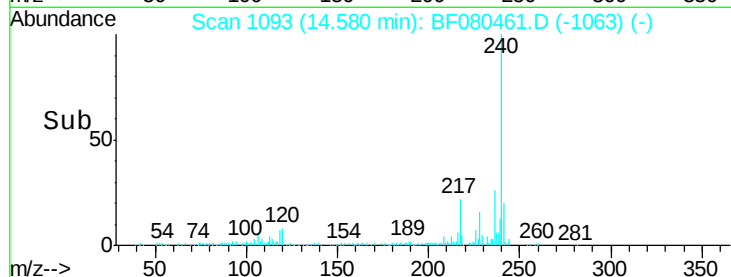
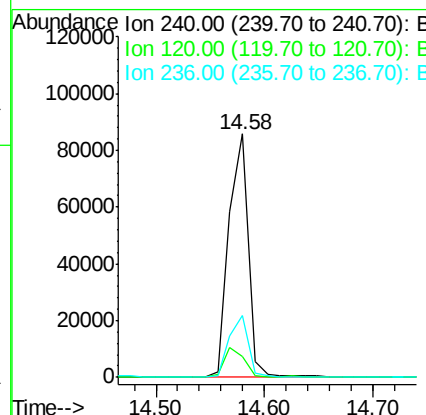
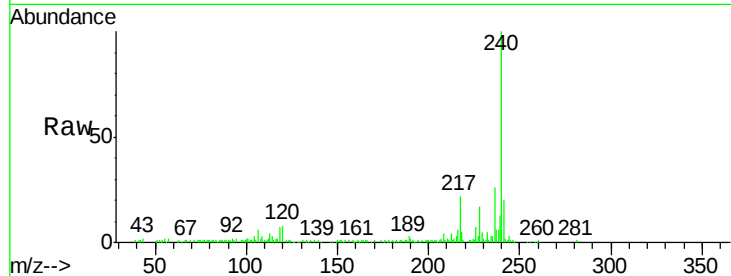
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.58 min Scan# 1093
Delta R.T. 0.05 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Instrument :
BNA_F
ClientSampleId :
TEC-E2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	106085		
120	8.4	7.4	11.2	
236	25.6	19.7	29.5	

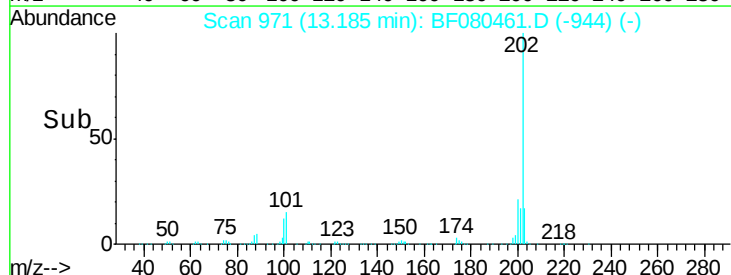
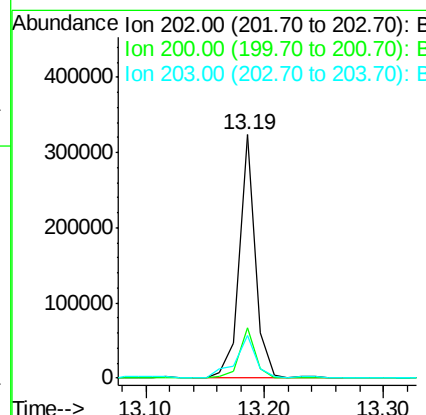
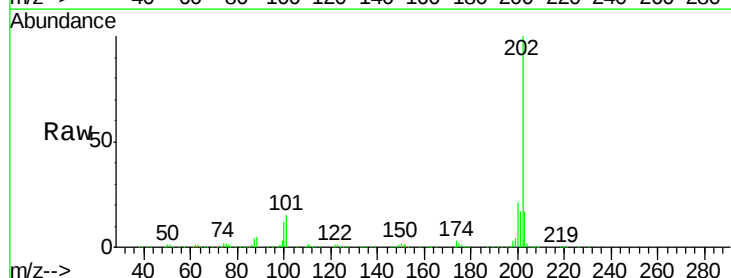
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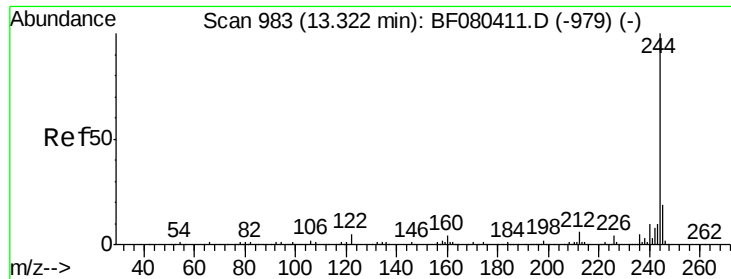
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#77
Pyrene
Concen: 44.80 ng
RT: 13.19 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	304488		
200	20.8	17.0	25.6	
203	17.4	13.8	20.8	





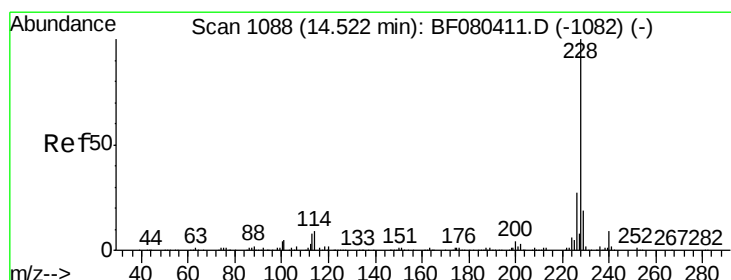
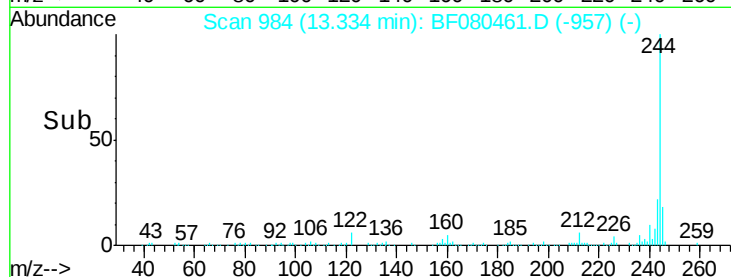
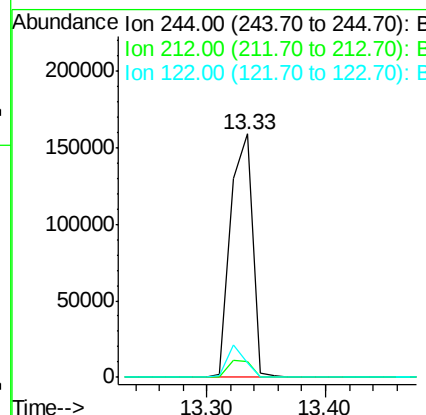
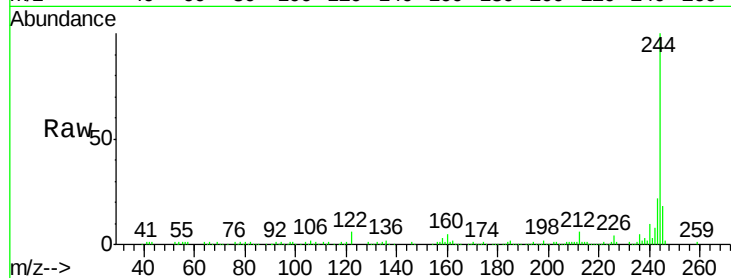
#78
 Terphenyl-d14
 Concen: 41.47 ng
 RT: 13.33 min Scan# 984
 Delta R.T. 0.01 min
 Lab File: BF080461.D
 Acq: 14 Jul 2015 11:26

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	4.9	7.3
122	6.1	4.1	6.1#

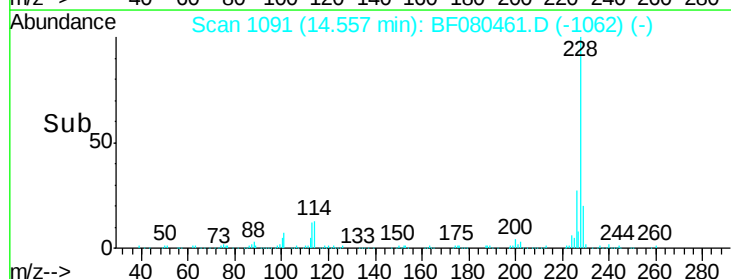
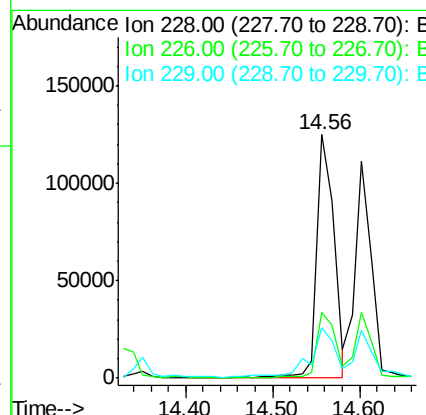
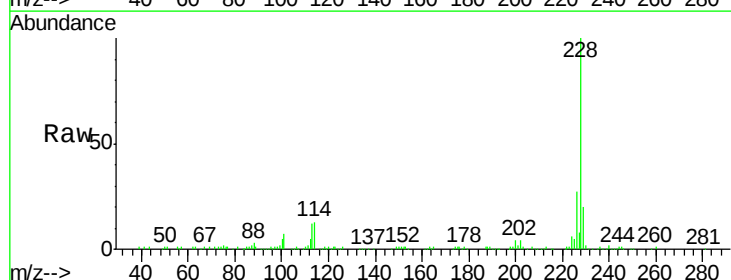
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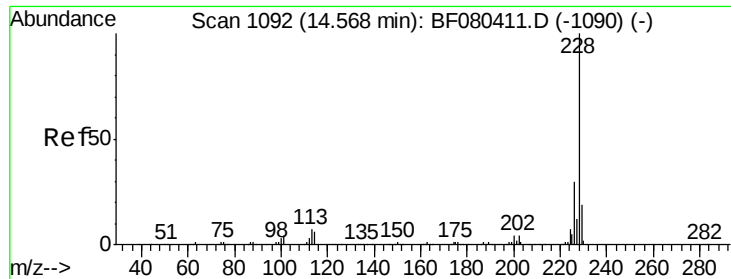
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#80
 Benzo(a)anthracene
 Concen: 25.41 ng
 RT: 14.56 min Scan# 1091
 Delta R.T. 0.03 min
 Lab File: BF080461.D
 Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.1	21.7	32.5
229	20.5	15.5	23.3





#82

Chrysene

Concen: 23.50 ng

RT: 14.60 min Scan# 1095

Delta R.T. 0.03 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Instrument :

BNA_F

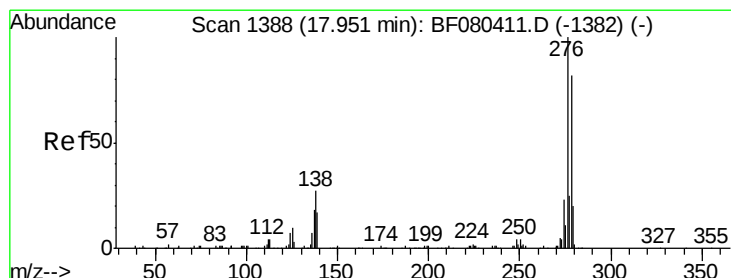
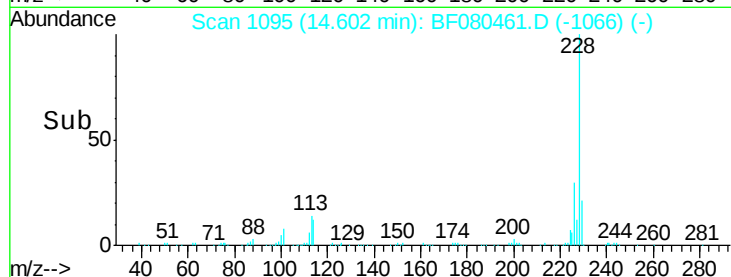
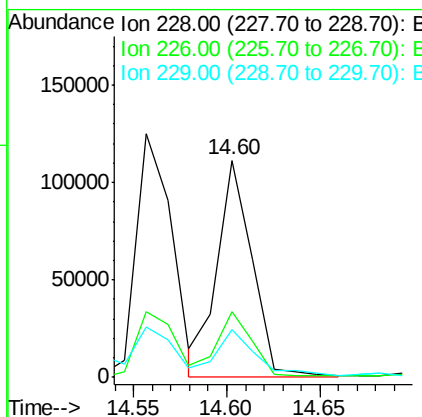
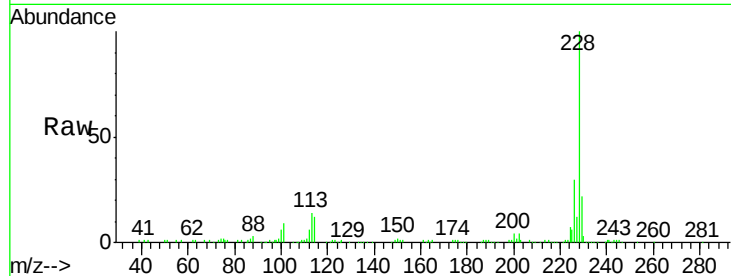
ClientSampleId :

TEC-E2

Tgt Ion:	228	Resp:	144659
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	22.0	15.5	23.3

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#85

Indeno(1,2,3-cd)pyrene

Concen: 12.34 ng

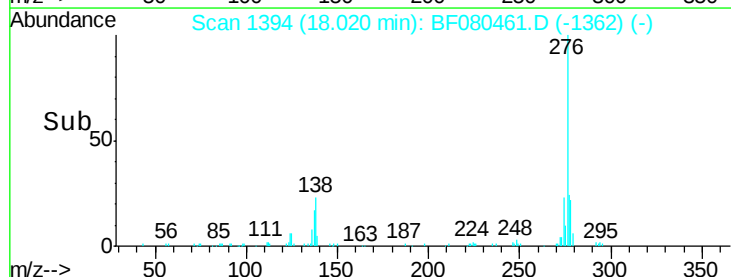
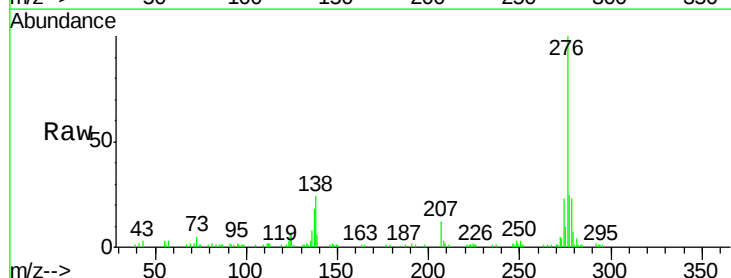
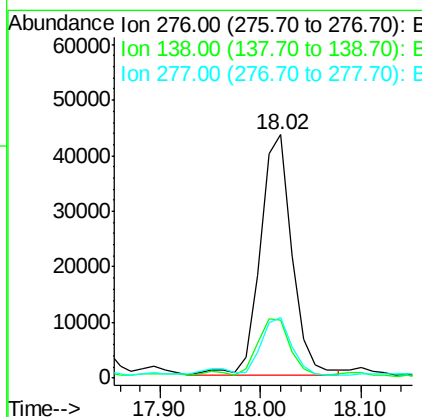
RT: 18.02 min Scan# 1394

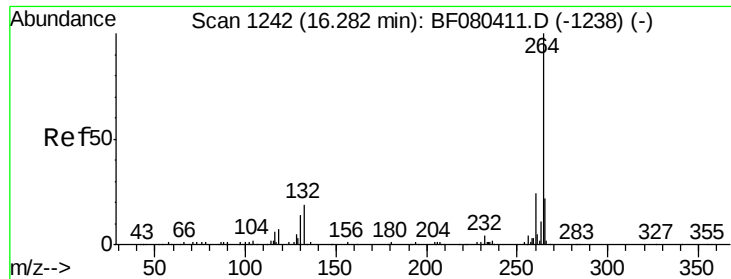
Delta R.T. 0.07 min

Lab File: BF080461.D

Acq: 14 Jul 2015 11:26

Tgt Ion:	276	Resp:	94383
Ion Ratio	Lower	Upper	
276	100		
138	25.8	21.4	32.0
277	23.6	19.5	29.3





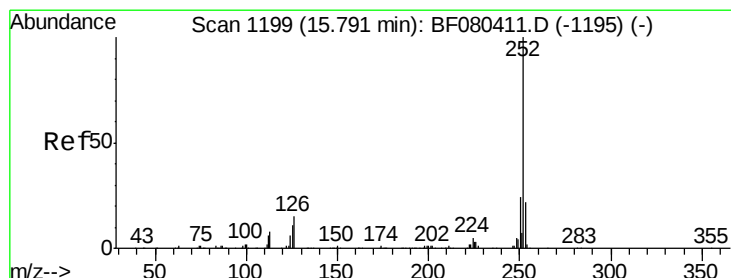
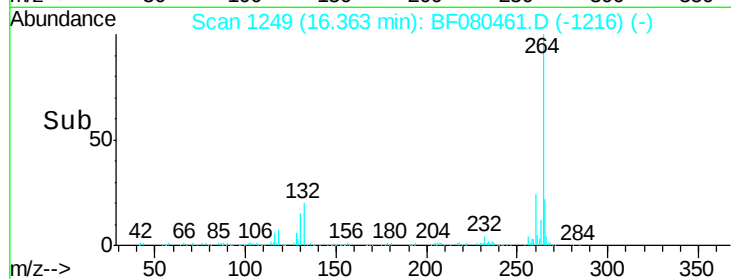
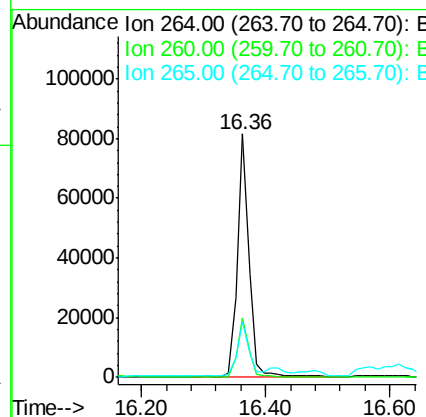
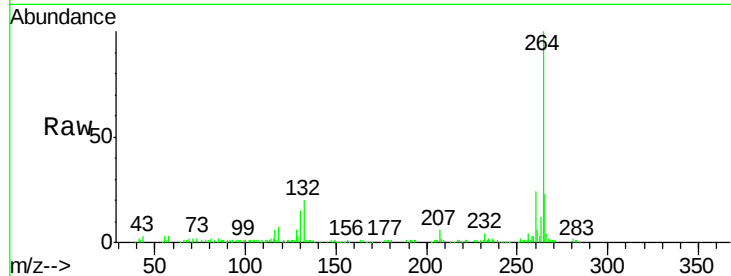
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.36 min Scan# 1249
Delta R.T. 0.08 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Instrument :
BNA_F
ClientSampled :
TEC-E2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.8	17.8	26.8

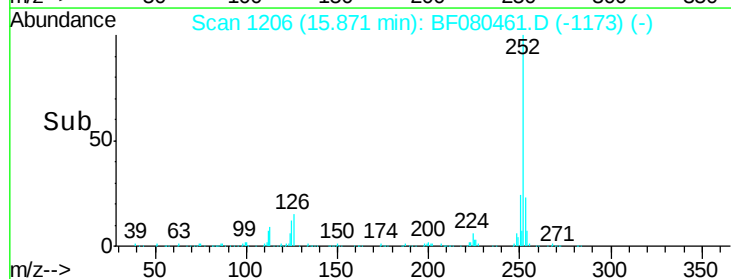
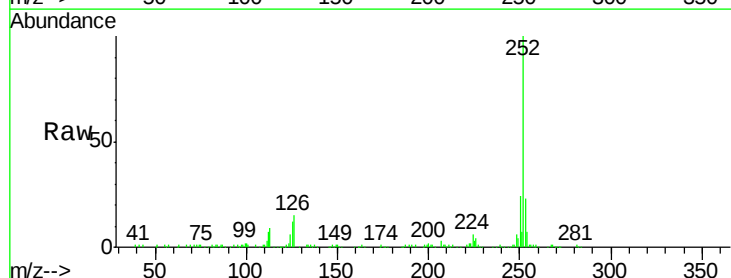
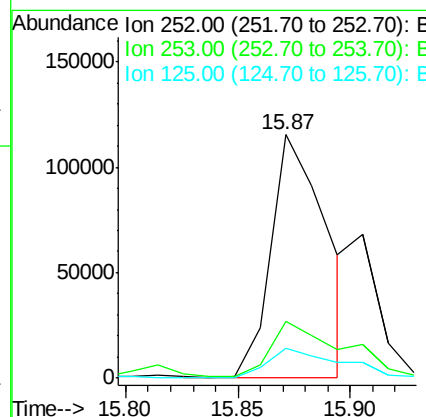
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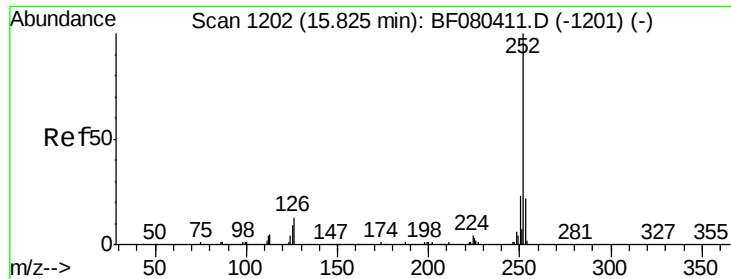
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#87
Benzo(b)fluoranthene
Concen: 26.71 ng m
RT: 15.87 min Scan# 1206
Delta R.T. 0.08 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	12.3	8.6	12.8





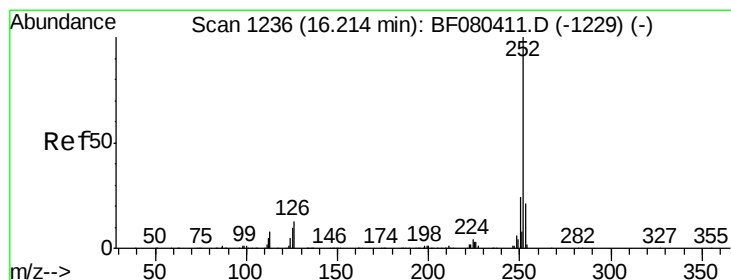
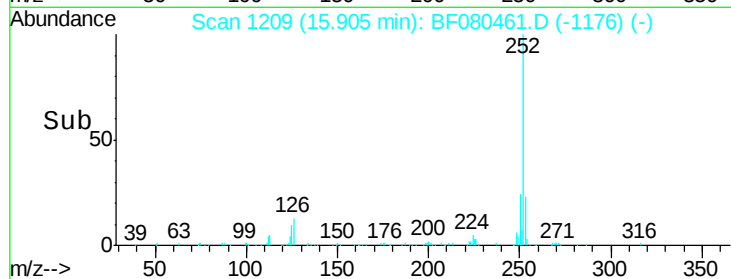
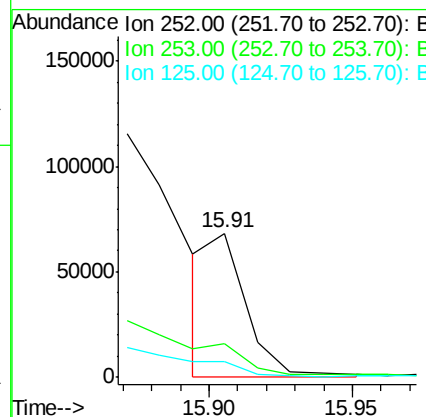
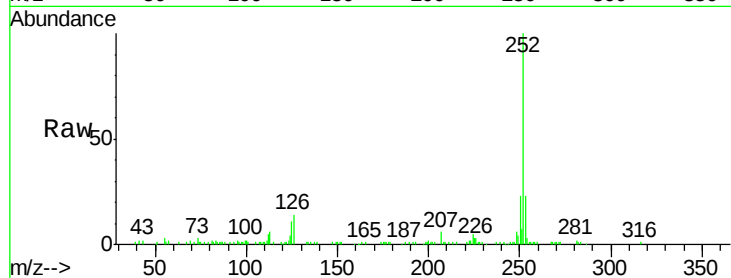
#88
Benzo(k)fluoranthene
Concen: 10.21 ng m
RT: 15.91 min Scan# 1209
Delta R.T. 0.08 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Instrument :
BNA_F
ClientSampleId :
TEC-E2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	10.7	8.4	12.6

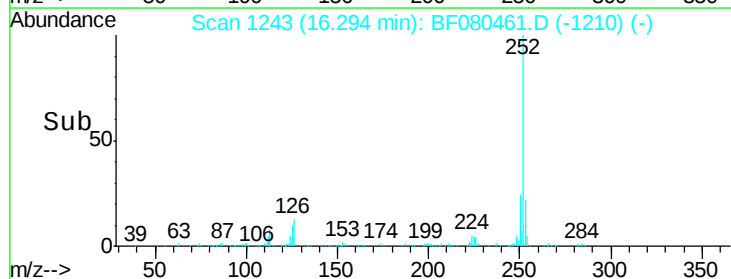
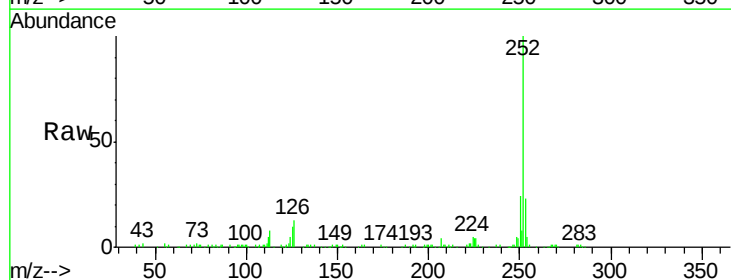
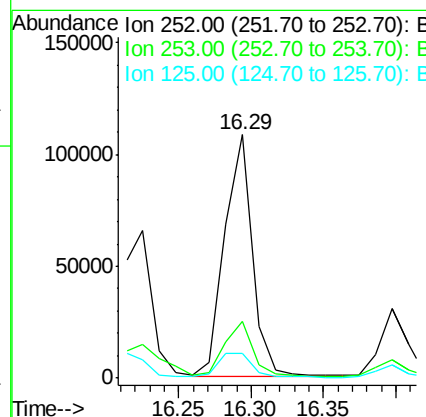
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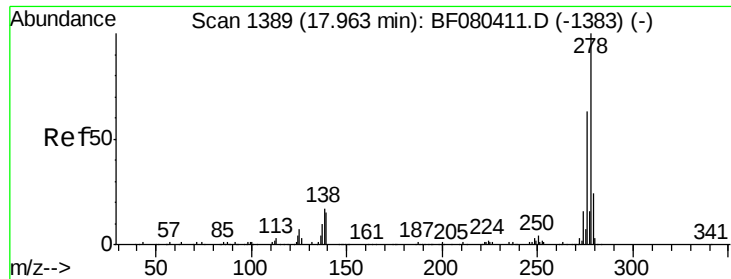
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#89
Benzo(a)pyrene
Concen: 22.20 ng
RT: 16.29 min Scan# 1243
Delta R.T. 0.08 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	10.0	8.1	12.1





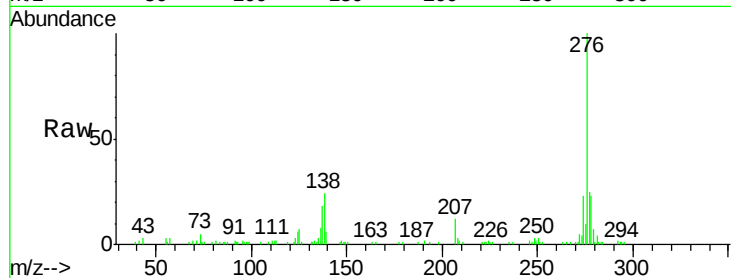
#90
Dibenzo(a,h)anthracene
Concen: 3.29 ng
RT: 18.02 min Scan# 1394
Delta R.T. 0.06 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Instrument :
BNA_F
ClientSampleId :
TEC-E2

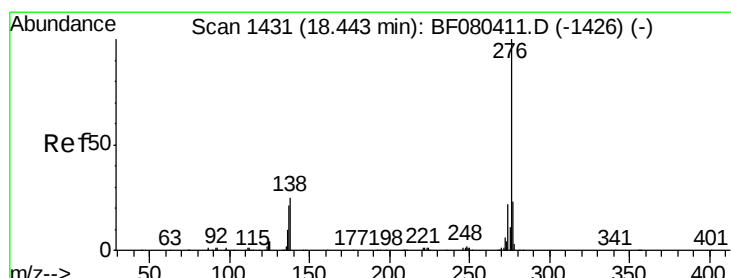
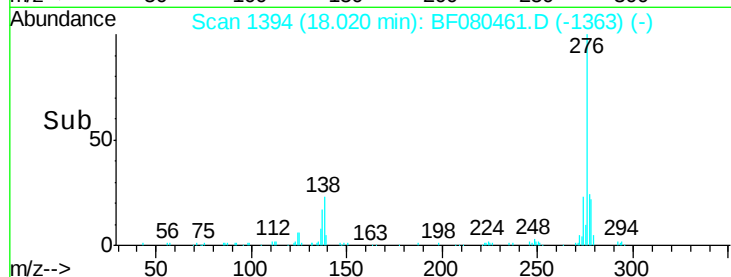
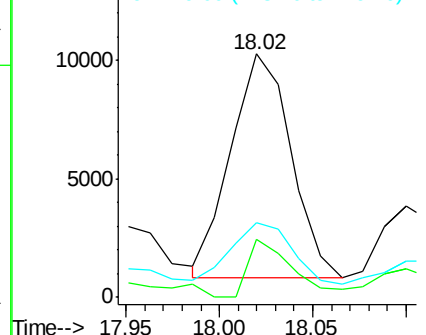
Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.0	11.8	17.8#
279	30.5	18.8	28.2#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 14.08 ng
RT: 18.51 min Scan# 1437
Delta R.T. 0.07 min
Lab File: BF080461.D
Acq: 14 Jul 2015 11:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.2	27.4
138	27.2	20.3	30.5

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

