

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089676.D
 Acq On : 8 Aug 2016 23:30
 Operator : UM/SJ
 Sample : H4331-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Manual Integrations
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Quant Time: Aug 09 04:17:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	44423	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	189806	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	84607	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	140202	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	96890	20.00	ng	-0.02
86) Perylene-d12	20.03	264	106142	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	289362	109.17	ng	-0.01
7) Phenol-d6	6.96	99	392288	109.11	ng	-0.02
23) Nitrobenzene-d5	8.33	82	242334	70.62	ng	-0.03
41) 2,4,6-Tribromophenol	13.55	330	64213	91.97	ng	-0.03
44) 2-Fluorobiphenyl	11.22	172	382771	58.80	ng	-0.03
78) Terphenyl-d14	17.03	244	214128	43.63	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	11.92	163	119457	18.01	ng	100
51) Acenaphthene	12.32	154	22131	4.07	ng	98
54) Dibenzofuran	12.62	168	26235	3.51	ng	98
57) Fluorene	13.15	166	30951	4.84	ng	99
70) Phenanthrene	14.71	178	489039	64.15	ng	99
71) Anthracene	14.79	178	111695	13.67	ng	99
72) Carbazole	15.09	167	38658	5.68	ng	97
74) Fluoranthene	16.47	202	499855	63.78	ng	99
77) Pyrene	16.78	202	404393	47.21	ng	97
79) Butylbenzylphthalate	17.70	149	28348	7.78	ng	100
80) Benzo(a)anthracene	18.35	228	182424	32.77	ng	98
82) Chrysene	18.40	228	157757	27.01	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	95485	21.53	ng	# 93
87) Benzo(b)fluoranthene	19.62	252	231725m	35.50	ng	
88) Benzo(k)fluoranthene	19.65	252	63163m	9.59	ng	
89) Benzo(a)pyrene	19.98	252	154871	25.34	ng	98
90) Dibenzo(a,h)anthracene	21.21	278	21447m	3.76	ng	
91) Benzo(g,h,i)perylene	21.54	276	85155	14.57	ng	94

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

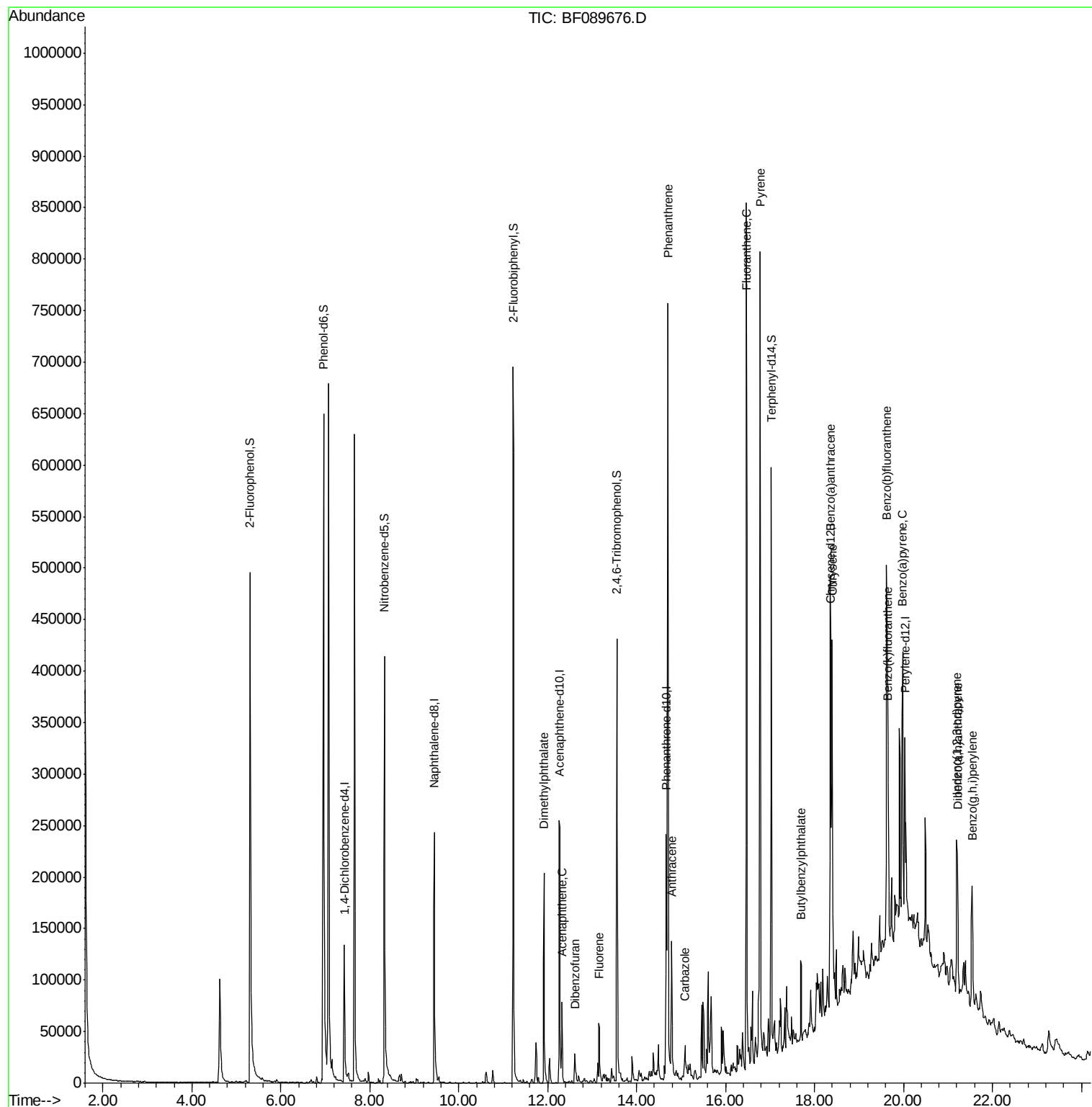
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
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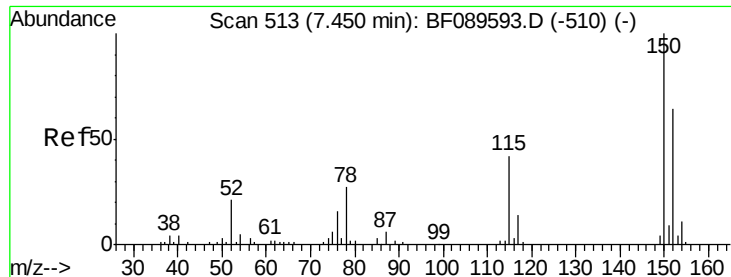
Instrument :
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#1

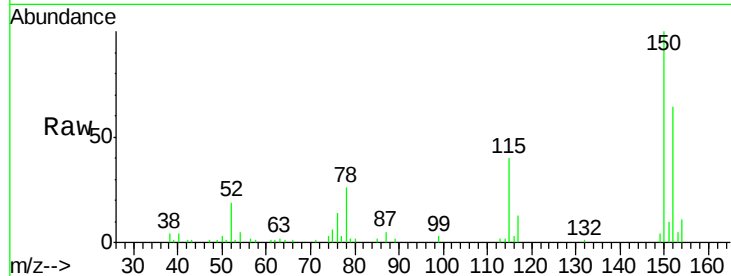
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.43 min Scan# 511
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

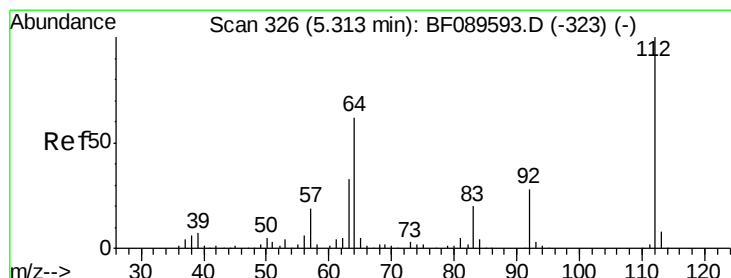
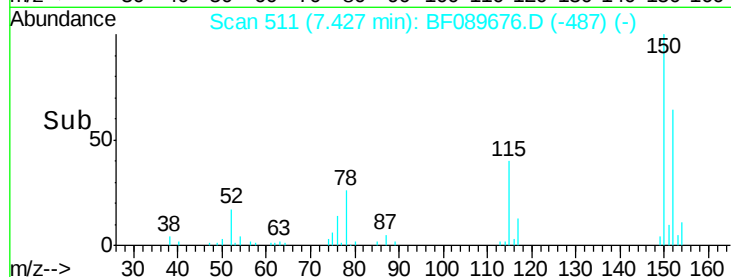
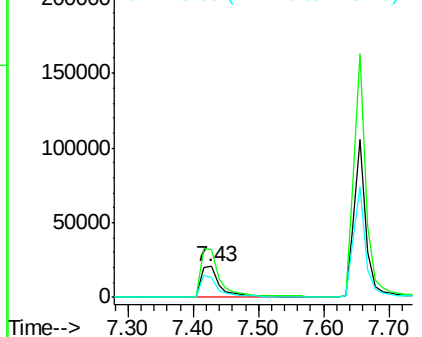
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.5	188.3
115	63.0	52.0	78.0

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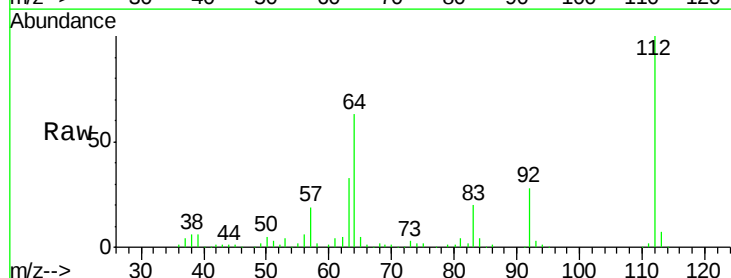
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



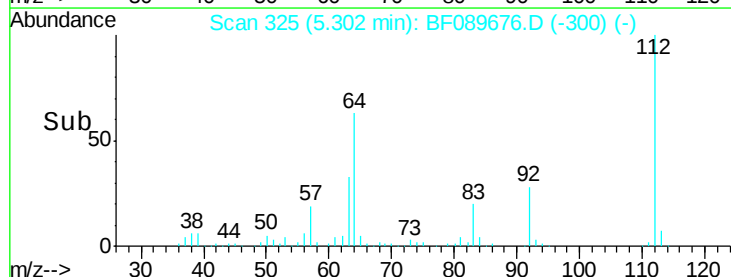
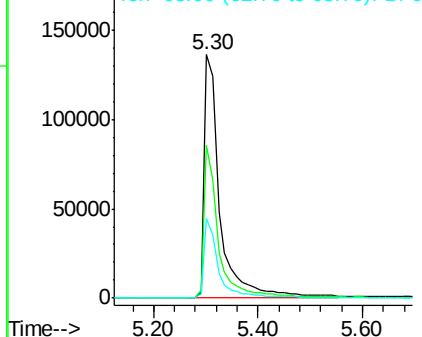
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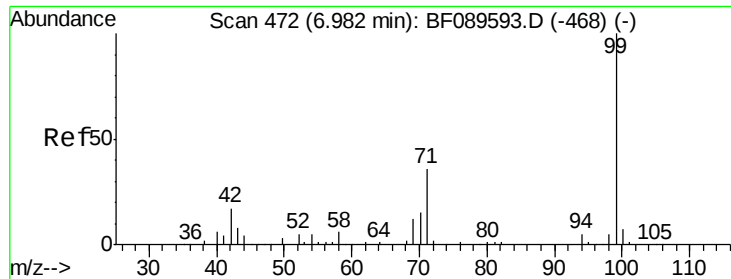
2-Fluorophenol
Concen: 109.17 ng
RT: 5.30 min Scan# 325
Delta R.T. -0.01 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	49.9	74.9
63	32.6	26.1	39.1



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: 109.11 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

ClientSampleId :

WC2-GRAB

Tgt Ion: 99 Resp: 392288

Ion Ratio Lower Upper

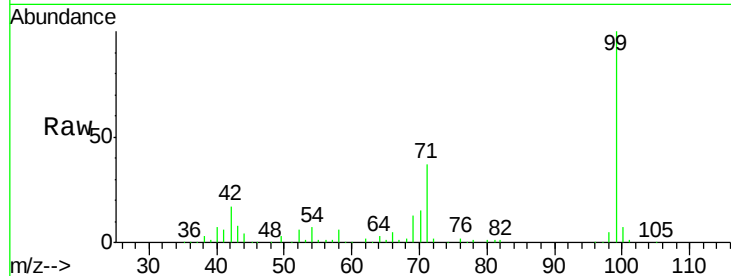
99 100

42 17.3 13.7 20.5

71 36.6 29.0 43.4

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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.96

250000

200000

150000

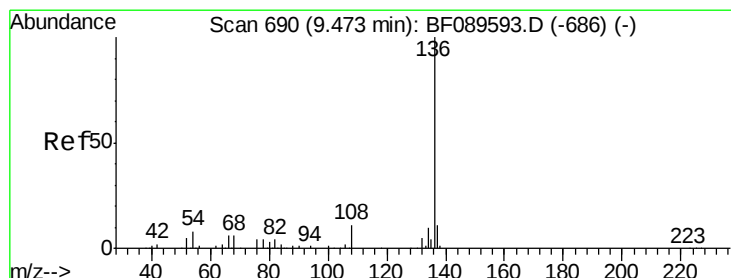
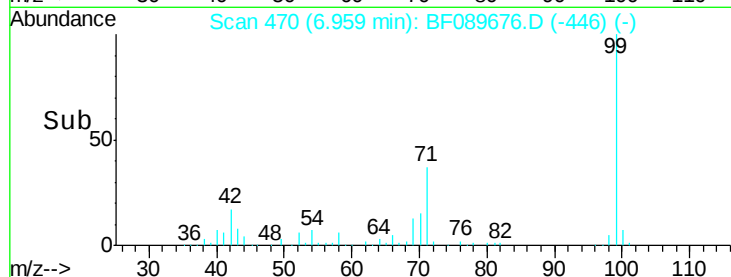
100000

50000

0

6.80 7.00 7.20

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Tgt Ion: 136 Resp: 189806

Ion Ratio Lower Upper

136 100

137 10.0 8.6 12.8

54 6.6 6.0 9.0

68 5.0 4.6 6.8

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

9.45

150000

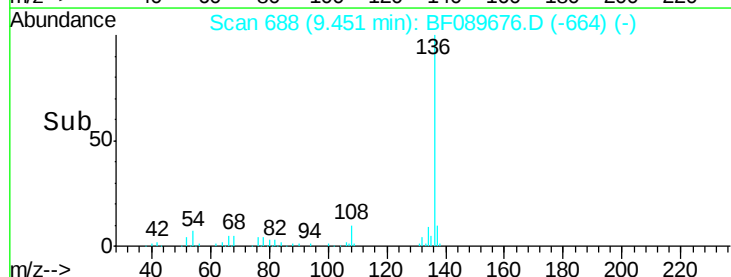
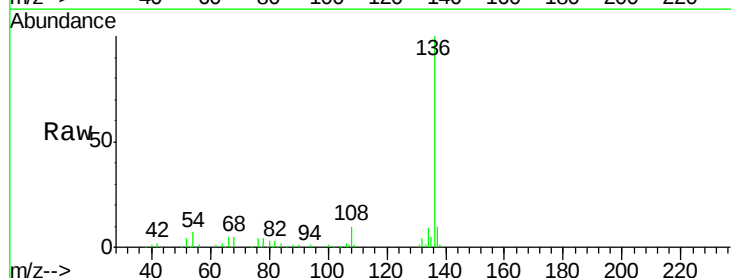
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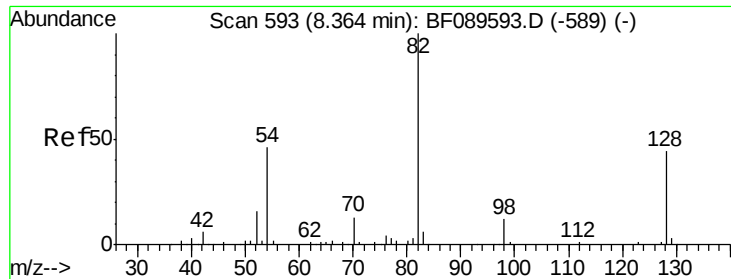
50000

0

9.40 9.60 9.80

Time-->





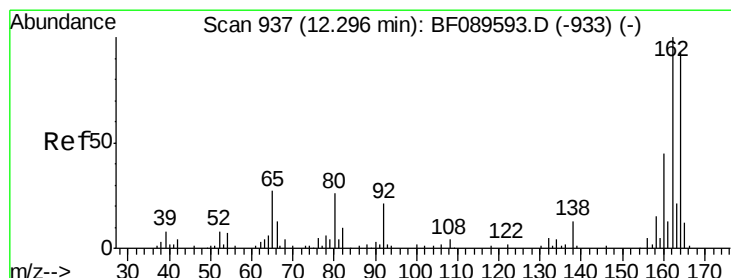
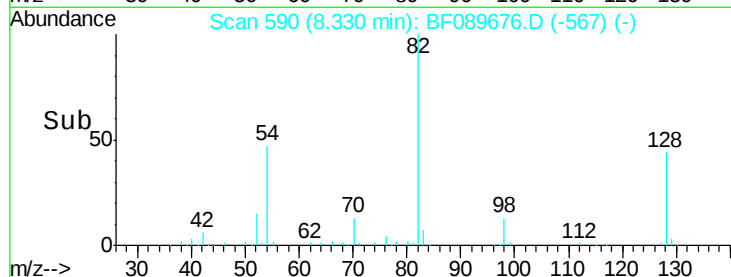
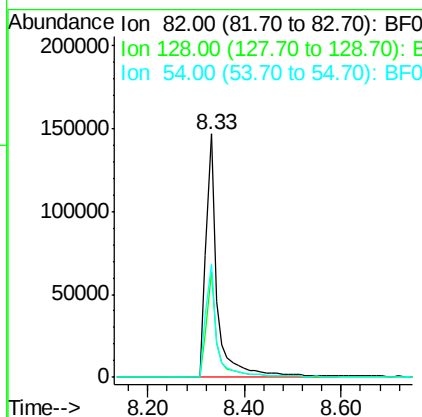
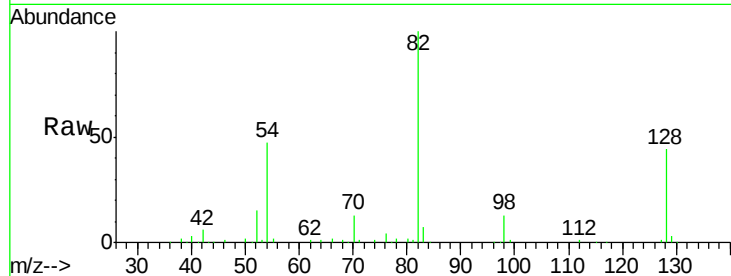
#23
 Nitrobenzene-d5
 Concen: 70.62 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion:	82	Resp:	242334
Ion Ratio	Lower	Upper	
82	100		
128	43.5	35.4	53.0
54	46.6	36.4	54.6

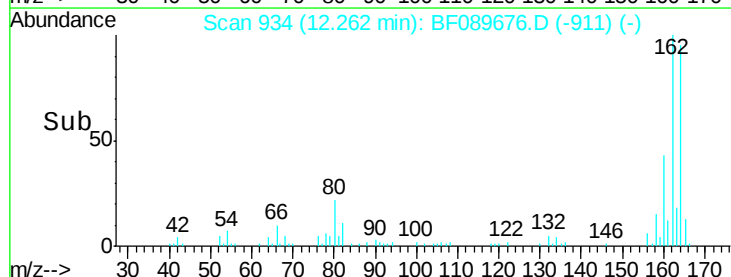
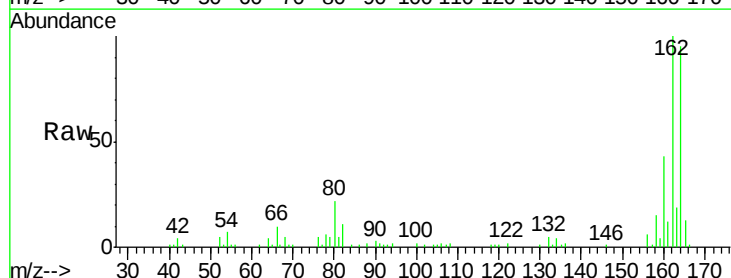
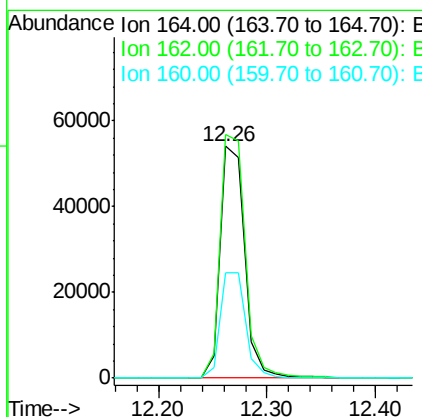
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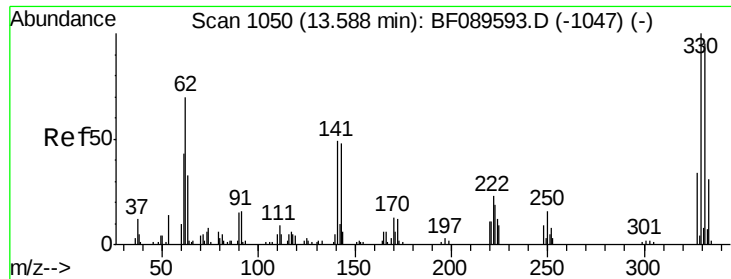
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion:	164	Resp:	84607
Ion Ratio	Lower	Upper	
164	100		
162	105.1	85.7	128.5
160	45.4	38.2	57.4





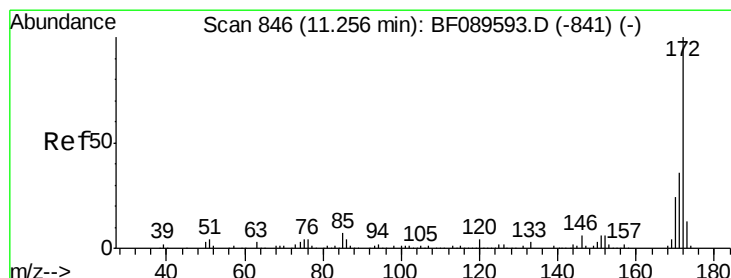
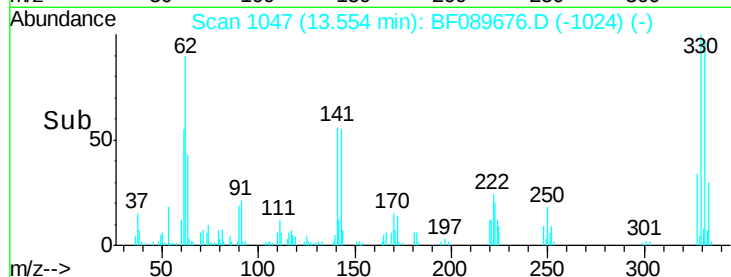
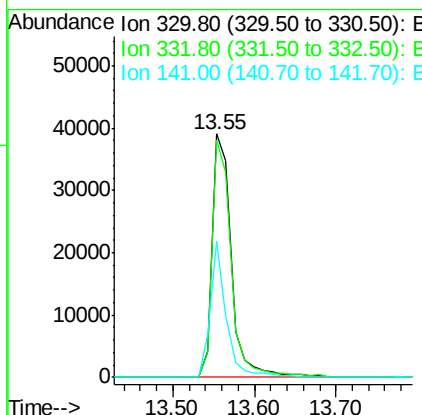
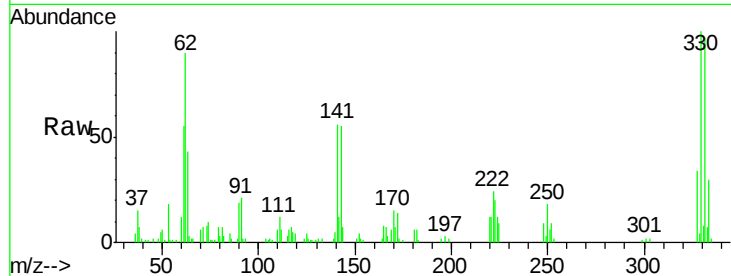
#41
 2,4,6-Tribromophenol
 Concen: 91.97 ng
 RT: 13.55 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampled :
 WC2-GRAB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	47.7	38.6	57.8

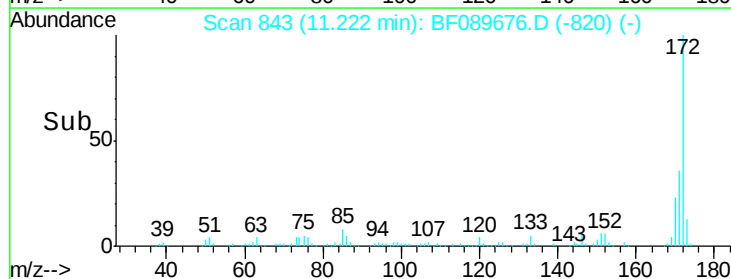
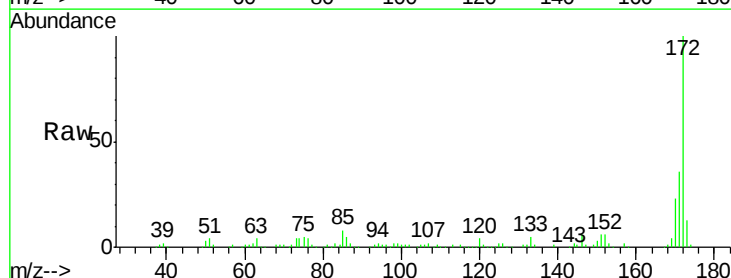
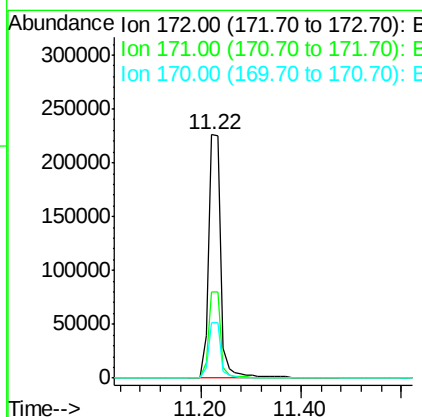
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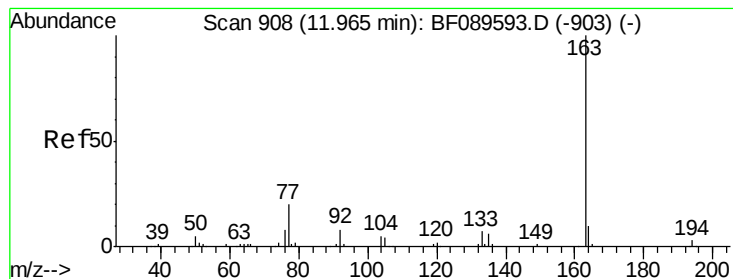
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#44
 2-Fluorobiphenyl
 Concen: 58.80 ng
 RT: 11.22 min Scan# 843
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.0	19.0	28.6





#49

Dimethylphthalate

Concen: 18.01 ng

RT: 11.92 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

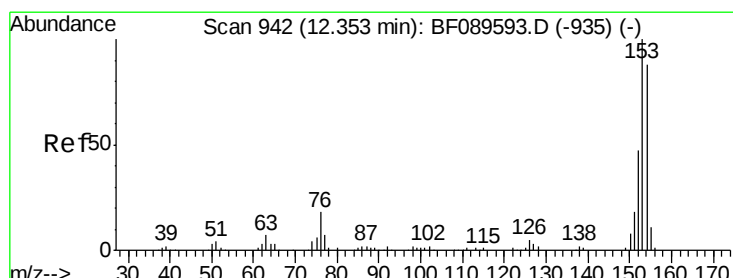
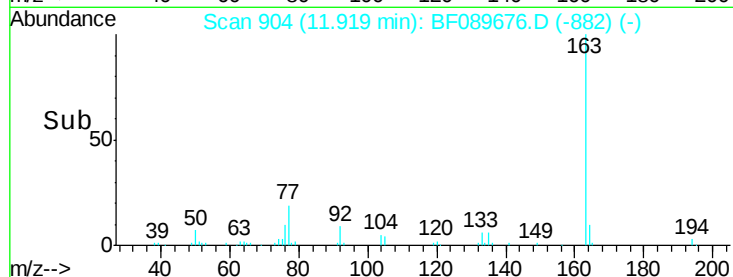
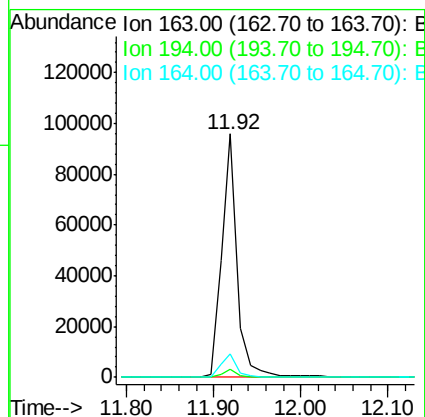
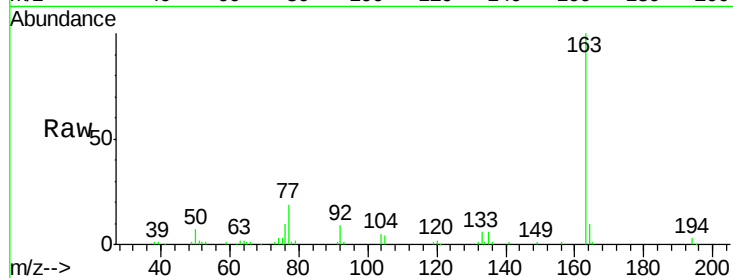
ClientSampleId :

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Tgt Ion:	163	Resp:	119457
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.7	7.8	11.6

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#51

Acenaphthene

Concen: 4.07 ng

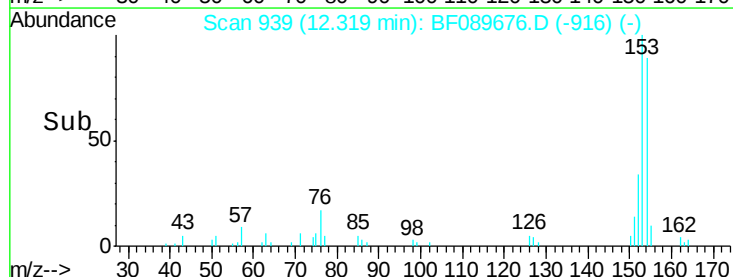
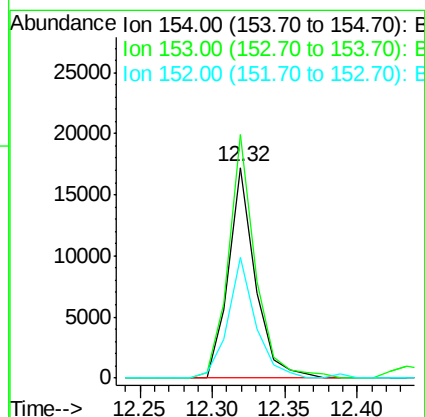
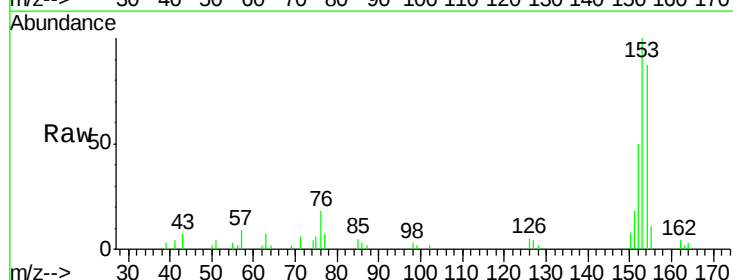
RT: 12.32 min Scan# 939

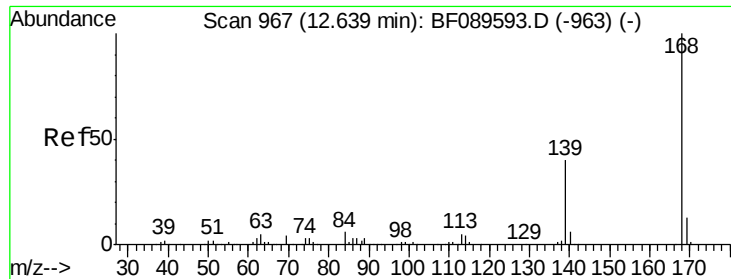
Delta R.T. -0.03 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Tgt Ion:	154	Resp:	22131
Ion Ratio	Lower	Upper	
154	100		
153	115.4	91.1	136.7
152	57.3	43.5	65.3





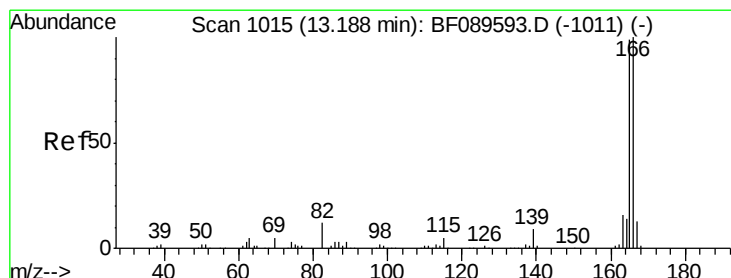
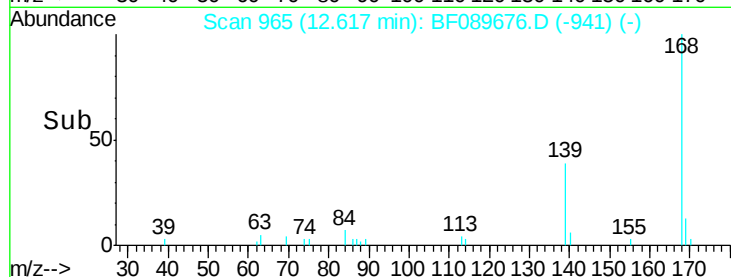
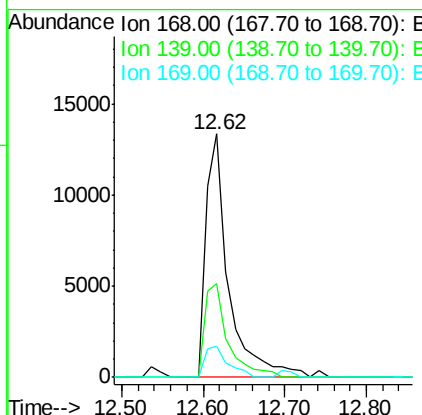
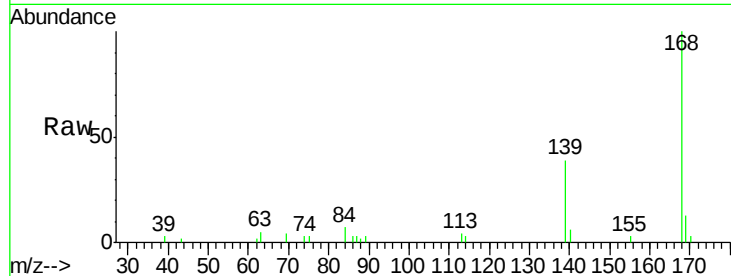
#54
Dibenzenofuran
Concen: 3.51 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	26235		
139	38.8		32.3	48.5
169	13.1		10.6	15.8

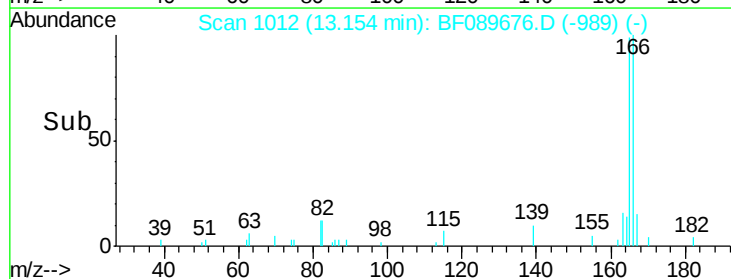
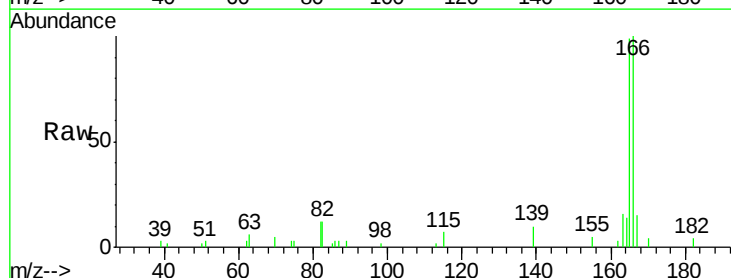
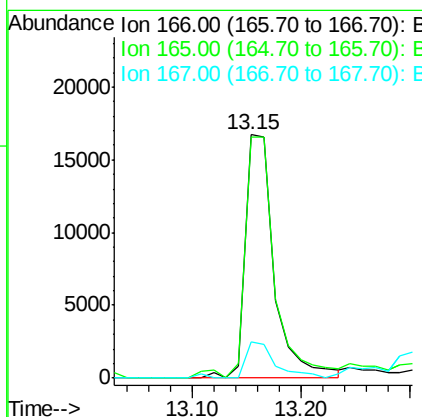
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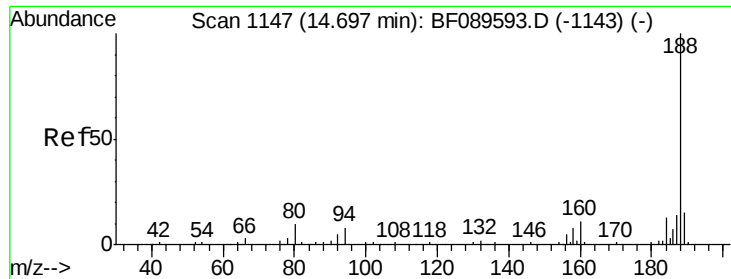
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#57
Fluorene
Concen: 4.84 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	30951		
165	99.1		78.9	118.3
167	14.9		10.4	15.6





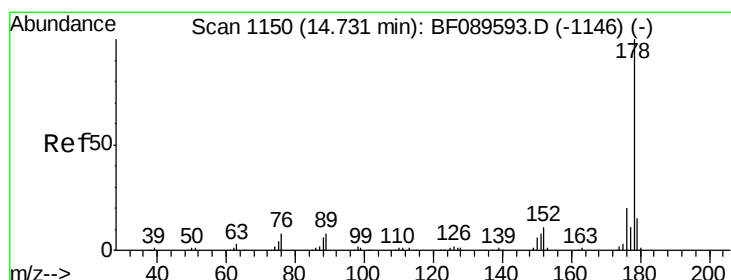
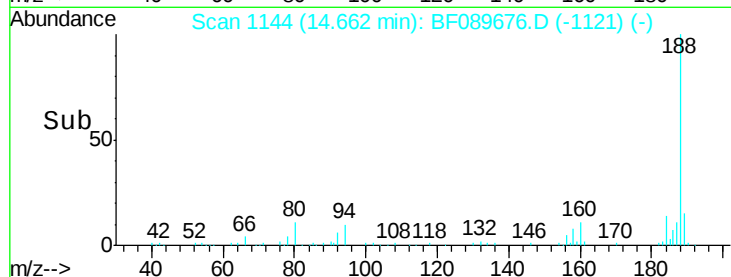
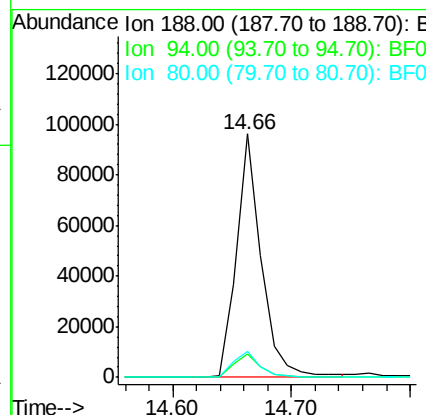
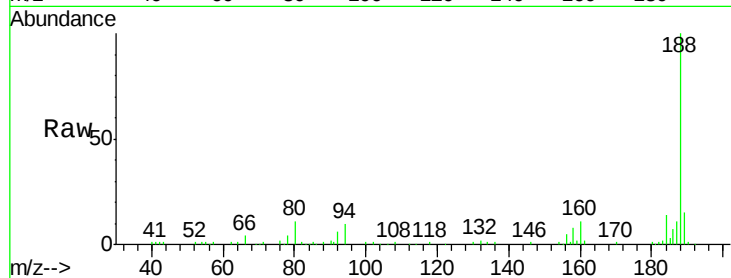
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.66 min Scan# 1144
 Delta R.T. -0.03 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	140202		
94	9.5	6.5	9.7	
80	10.7	8.0	12.0	

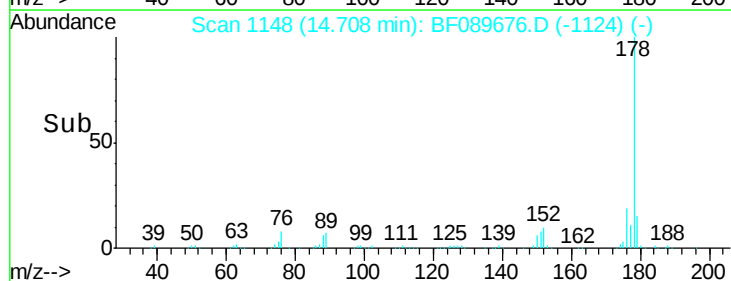
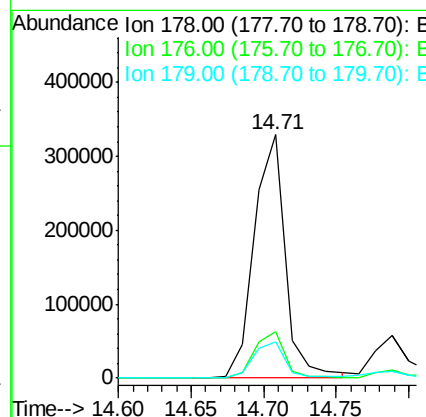
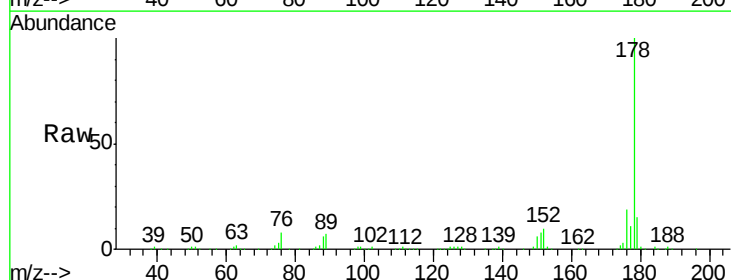
Manual Integrations
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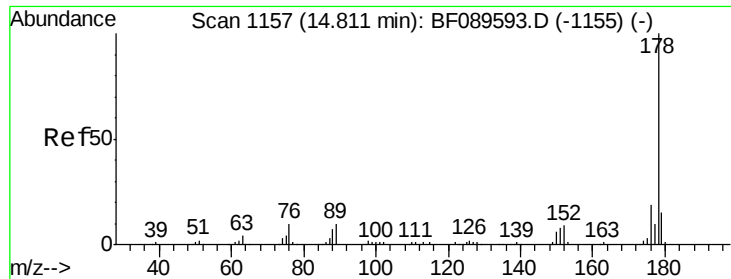
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#70
 Phenanthrene
 Concen: 64.15 ng
 RT: 14.71 min Scan# 1148
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	489039		
176	19.2	15.7	23.5	
179	14.8	12.2	18.2	





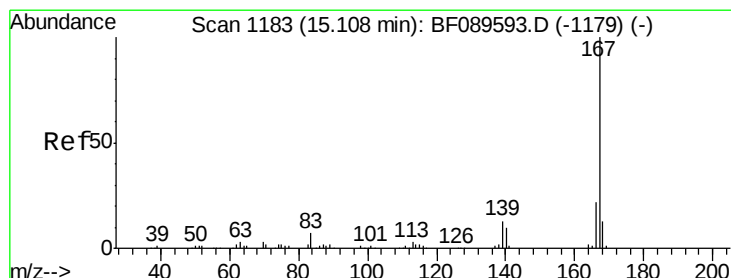
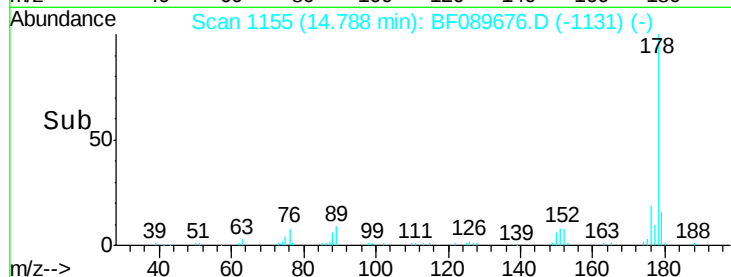
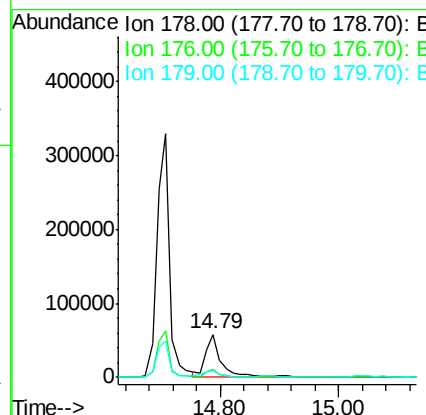
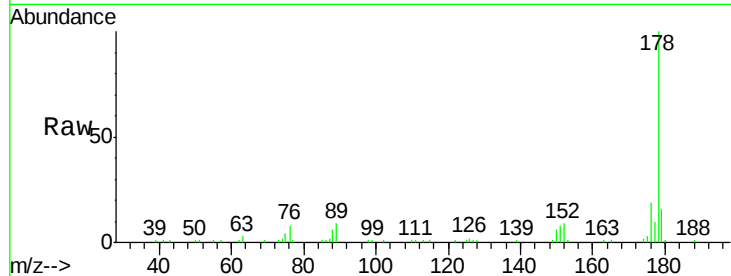
#71
 Anthracene
 Concen: 13.67 ng
 RT: 14.79 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.4	12.4	18.6

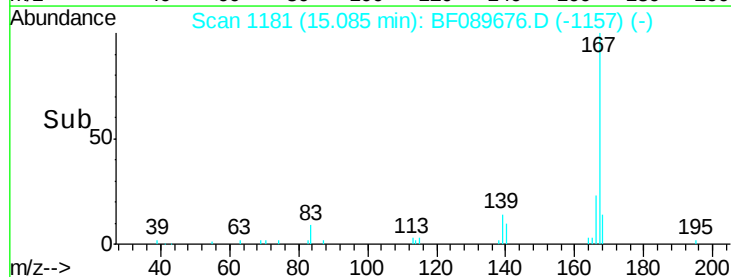
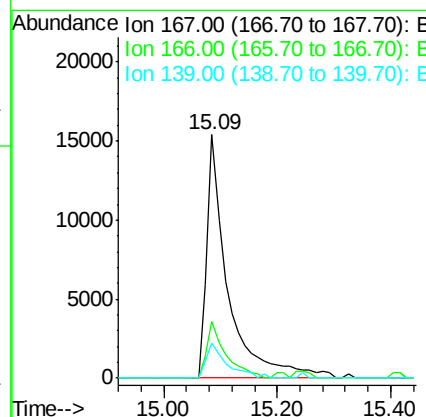
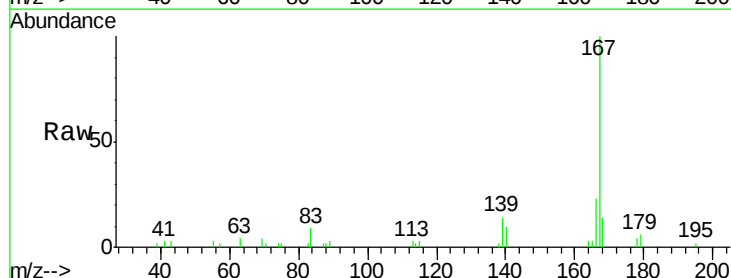
Manual Integrations
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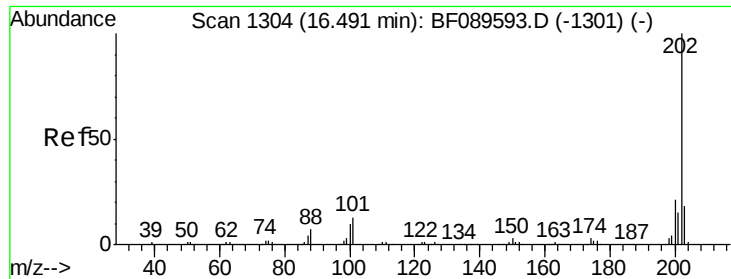
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#72
 Carbazole
 Concen: 5.68 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.5	26.3
139	14.4	10.4	15.6





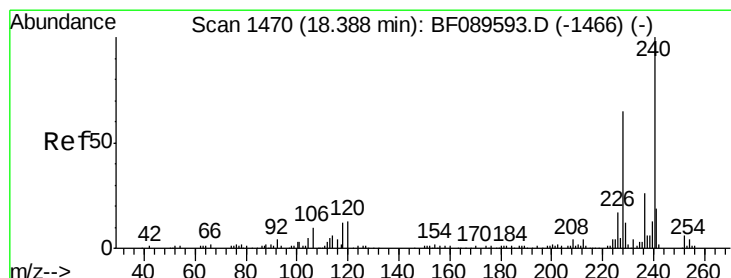
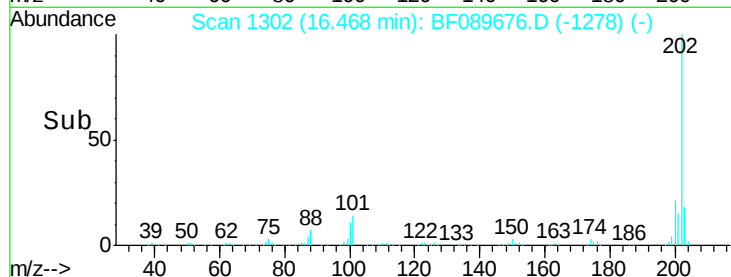
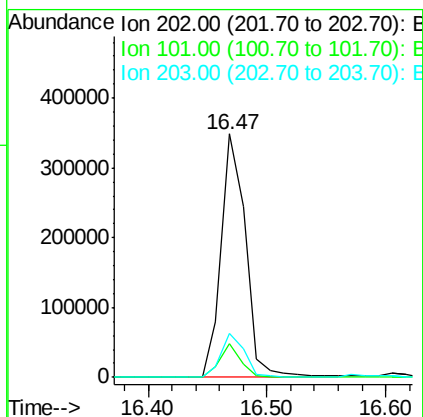
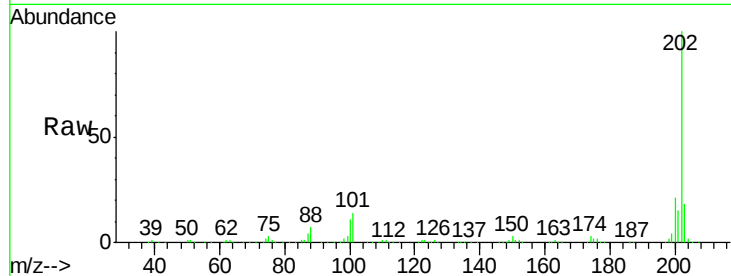
#74
 Fluoranthene
 Concen: 63.78 ng
 RT: 16.47 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.9	0.0	32.7
203	17.9	0.0	37.8

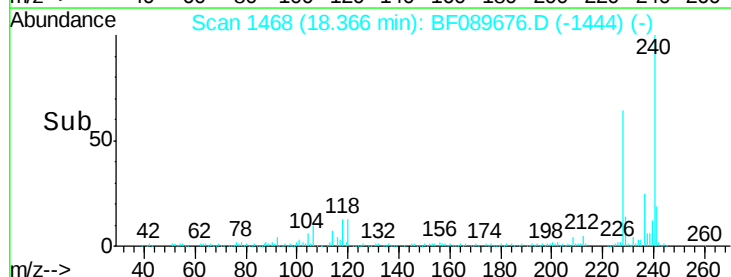
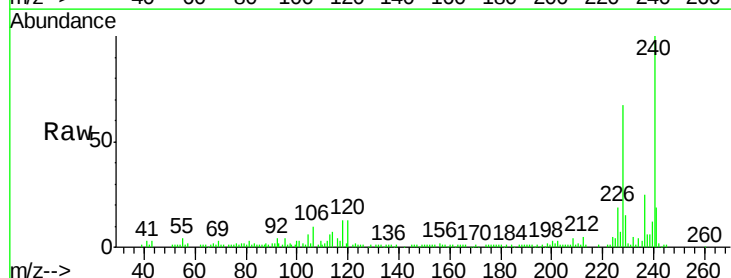
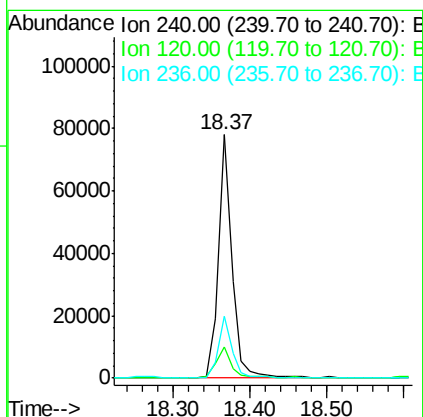
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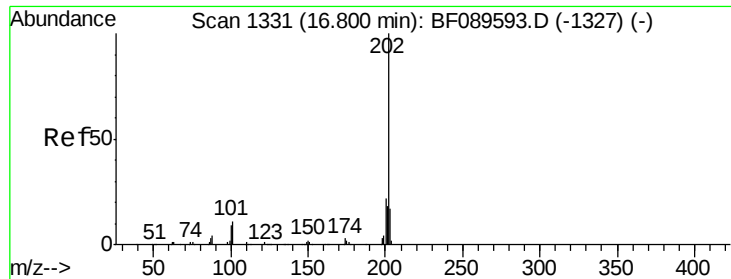
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.37 min Scan# 1468
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.9	10.6	15.8
236	25.2	20.6	30.8





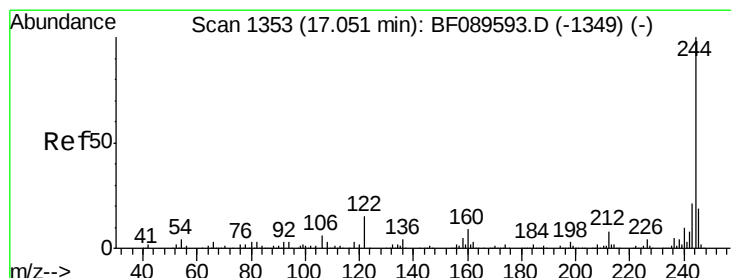
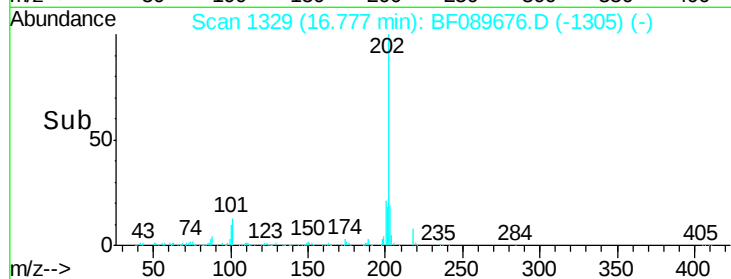
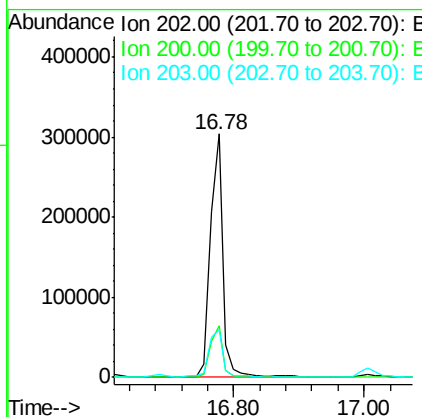
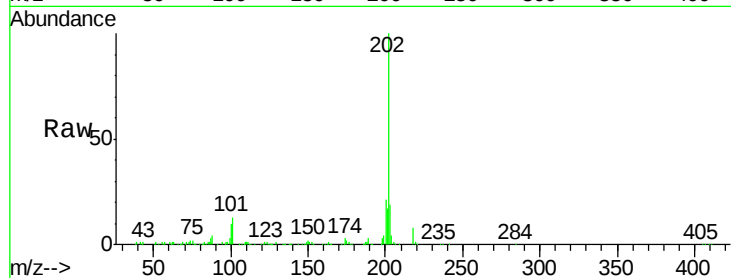
#77
 Pyrene
 Concen: 47.21 ng
 RT: 16.78 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Instrument :
 BNA_F
 ClientSampleId :
 WC2-GRAB

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	404393		
200	21.3		17.4	26.0
203	19.4		13.6	20.4

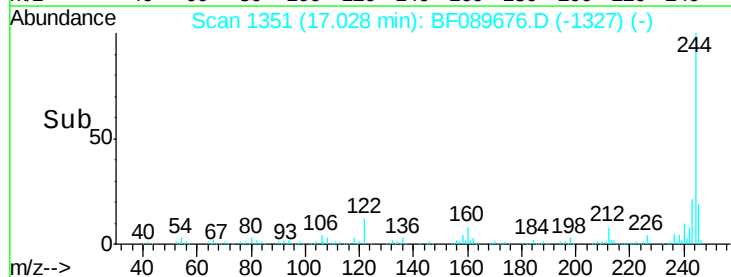
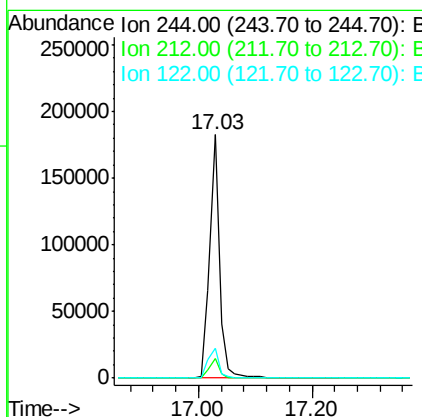
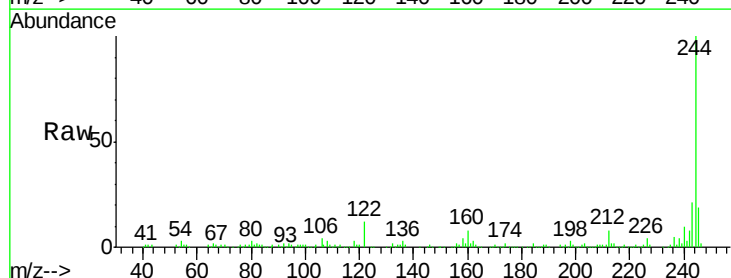
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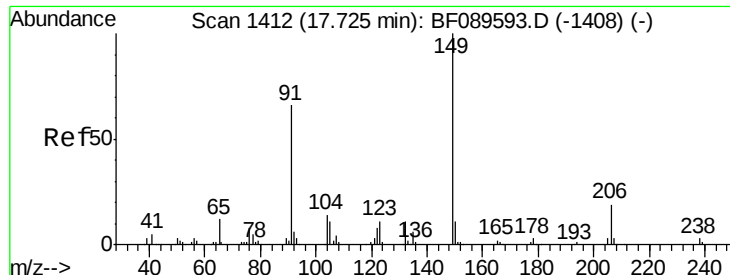
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#78
 Terphenyl-d14
 Concen: 43.63 ng
 RT: 17.03 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: BF089676.D
 Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	214128		
212	7.9		6.4	9.6
122	12.5		12.2	18.2





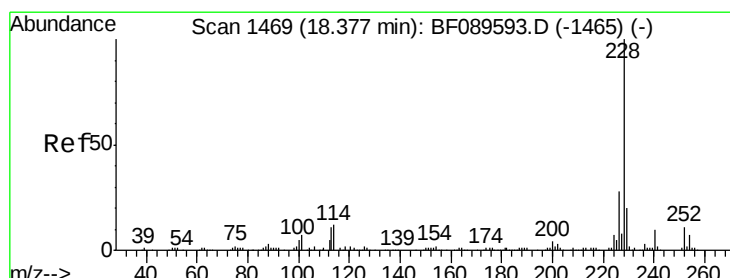
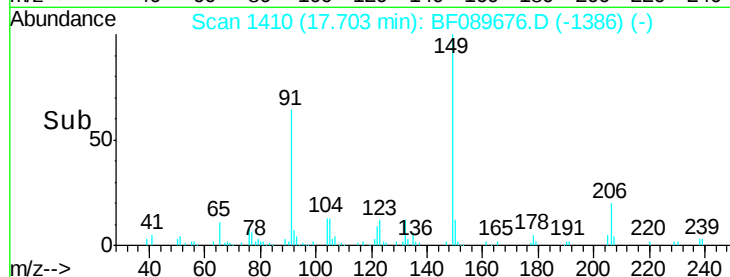
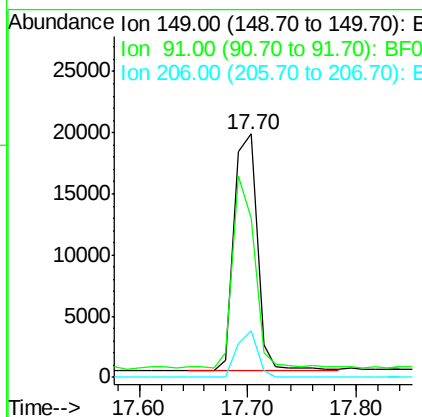
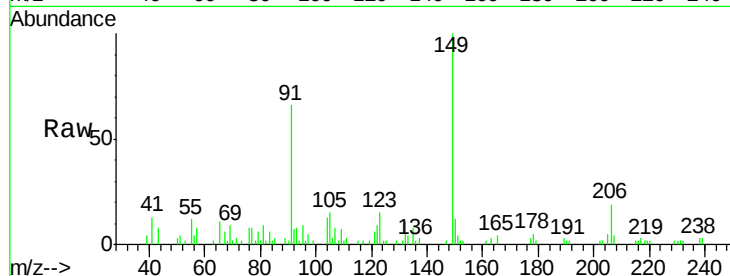
#79
Butylbenzylphthalate
Concen: 7.78 ng
RT: 17.70 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	28348		
91	65.6	52.6	78.8	
206	19.3	15.4	23.0	

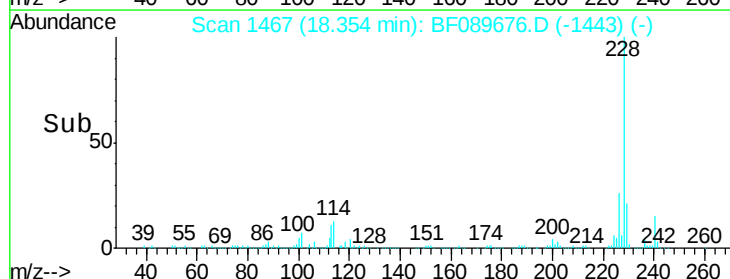
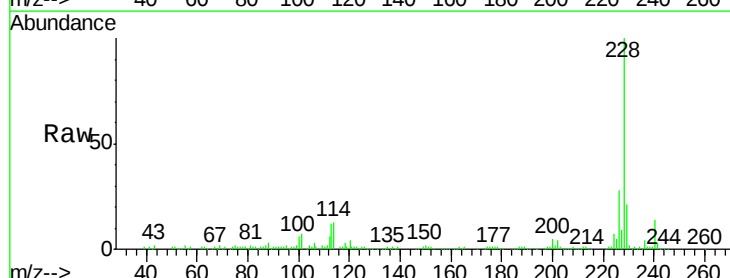
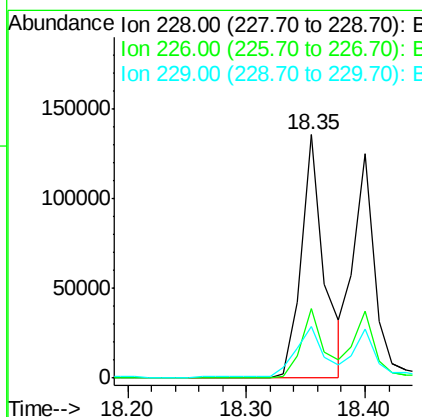
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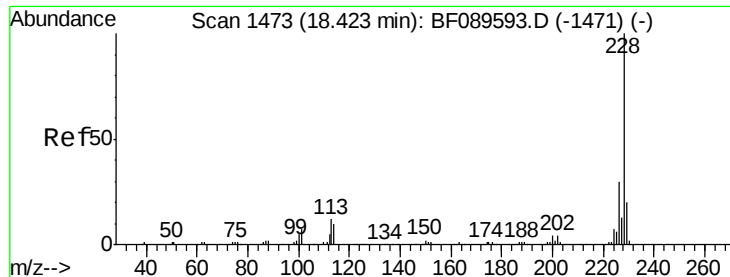
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#80
Benzo(a)anthracene
Concen: 32.77 ng
RT: 18.35 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	182424		
226	28.4	22.3	33.5	
229	21.1	15.9	23.9	





#82

Chrysene

Concen: 27.01 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

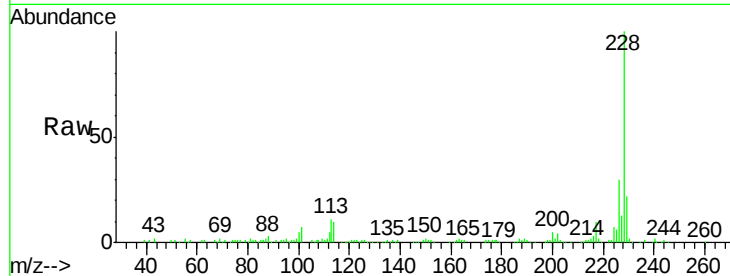
ClientSampleId :

WC2-GRAB

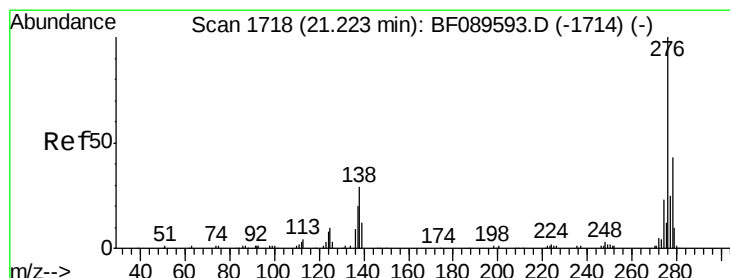
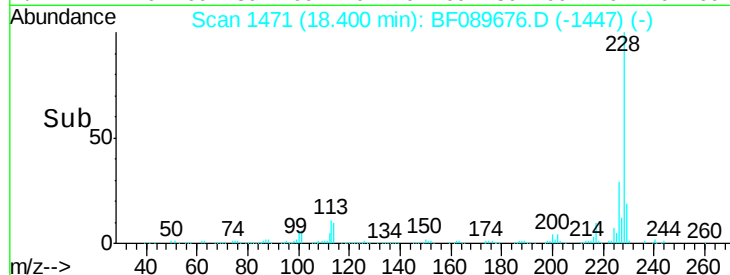
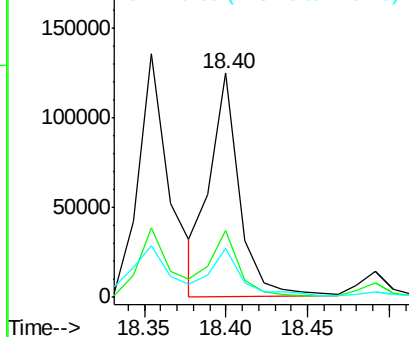
Tgt Ion:	228	Resp:	157757
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.2	36.2
229	21.6	16.0	24.0

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 21.53 ng

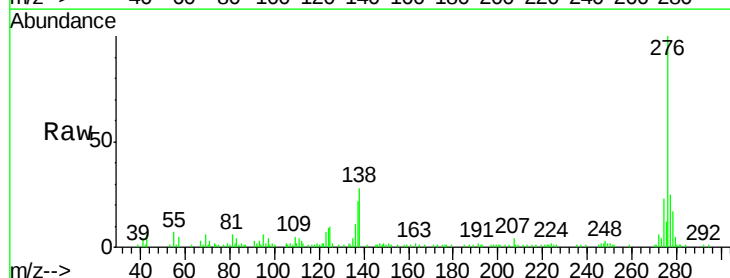
RT: 21.20 min Scan# 1716

Delta R.T. -0.02 min

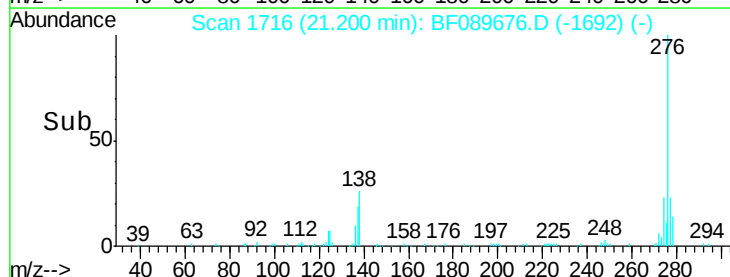
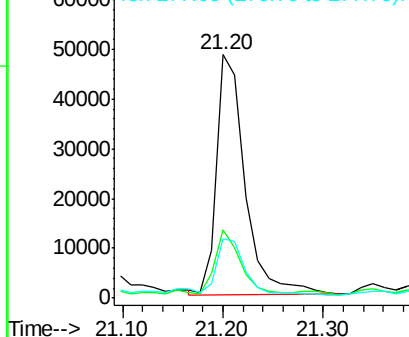
Lab File: BF089676.D

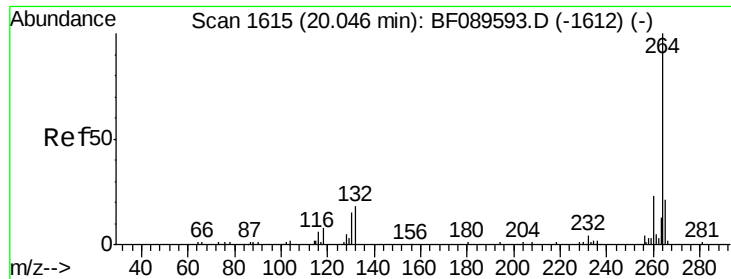
Acq: 8 Aug 2016 23:30

Tgt Ion:	276	Resp:	95485
Ion Ratio	Lower	Upper	
276	100		
138	23.4	23.8	35.8#
277	25.9	20.3	30.5



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





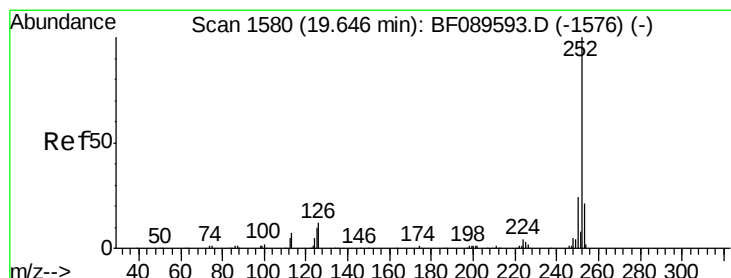
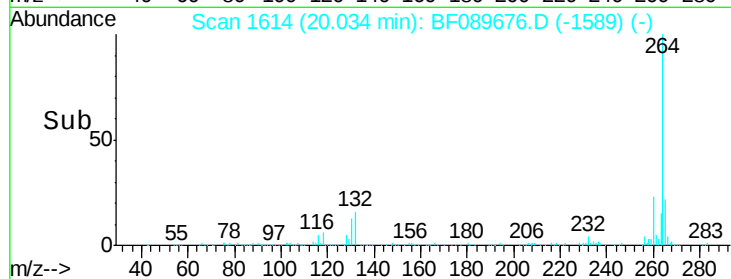
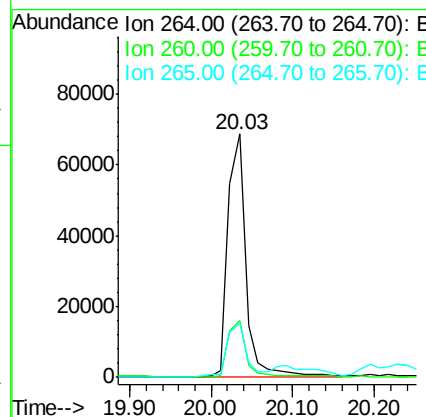
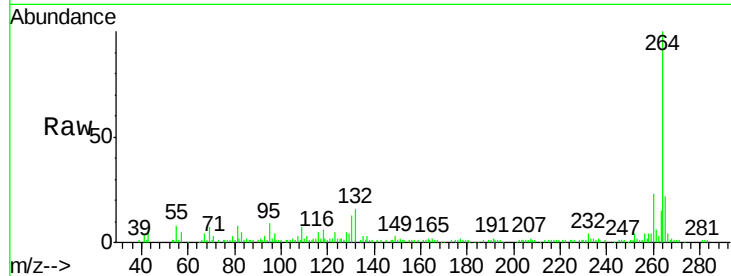
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.03 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampleId :
WC2-GRAB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.0	16.5	24.7

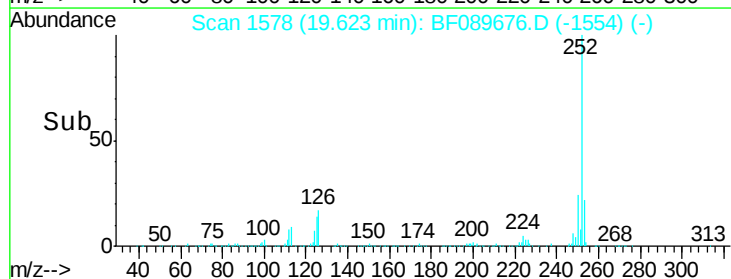
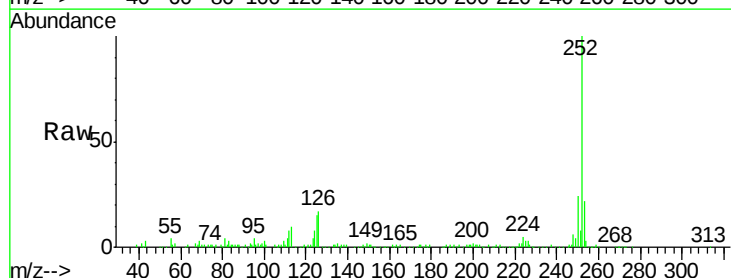
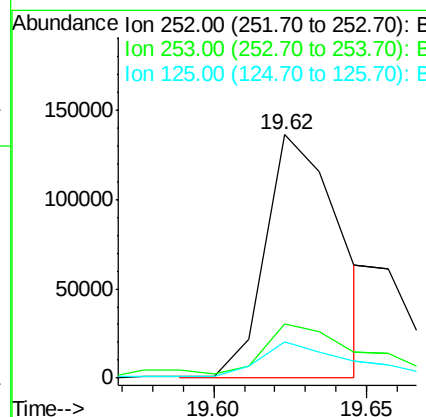
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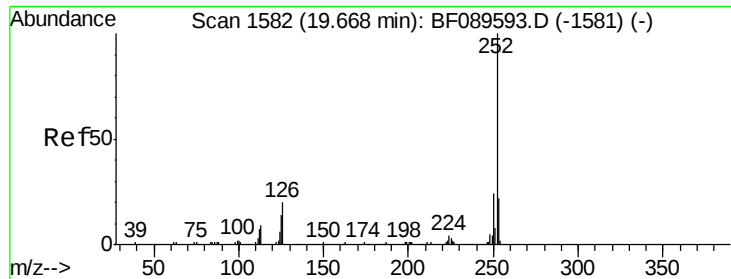
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#87
Benzo(b)fluoranthene
Concen: 35.50 ng m
RT: 19.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	14.9	7.8	11.8#





#88

Benzo(k)fluoranthene

Concen: 9.59 ng m

RT: 19.65 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF089676.D

Acq: 8 Aug 2016 23:30

Instrument :

BNA_F

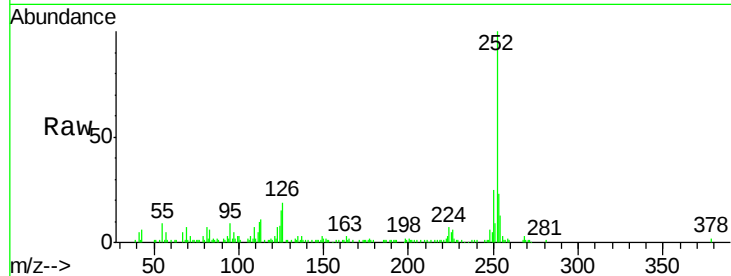
ClientSampleId :

WC2-GRAB

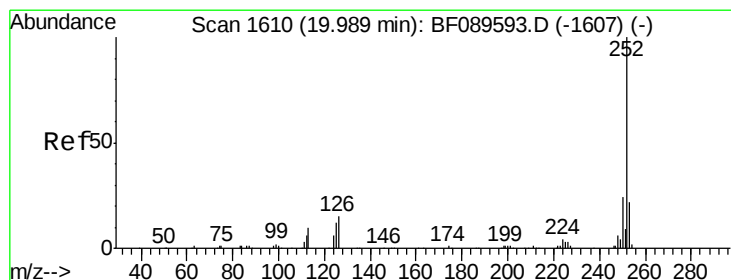
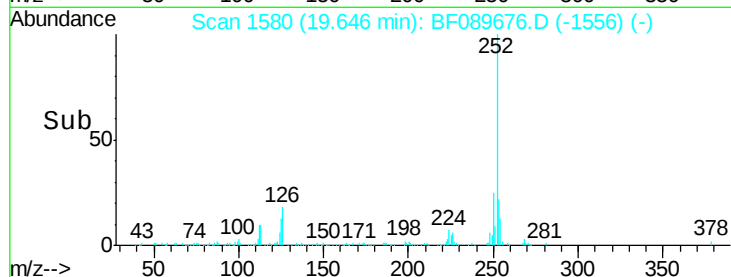
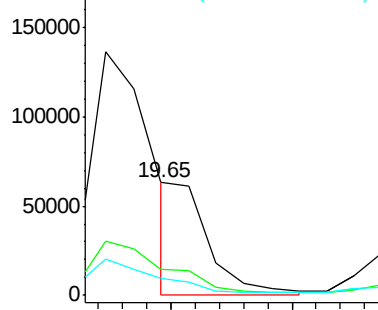
Tgt Ion:	252	Resp:	63163
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.3	25.9
125	15.3	11.0	16.6

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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



#89

Benzo(a)pyrene

Concen: 25.34 ng

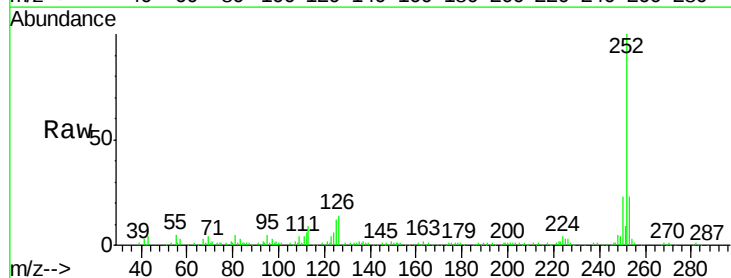
RT: 19.98 min Scan# 1609

Delta R.T. -0.01 min

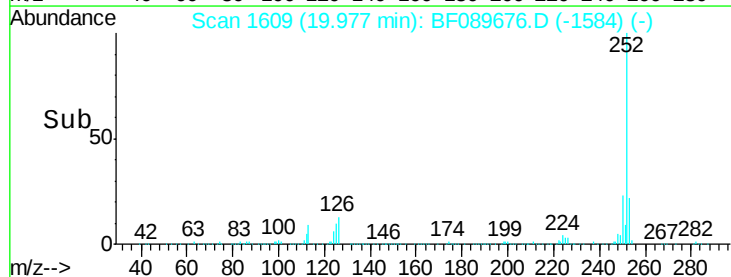
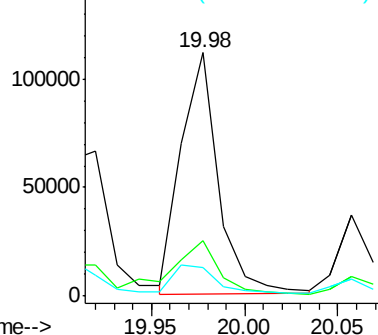
Lab File: BF089676.D

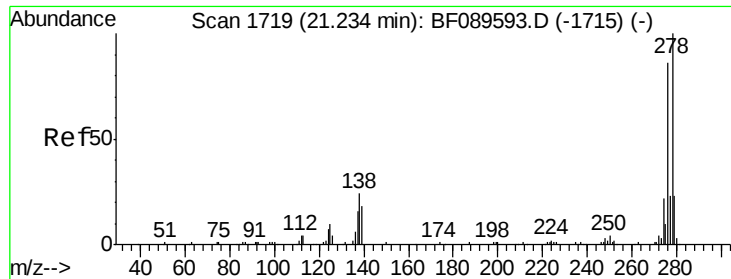
Acq: 8 Aug 2016 23:30

Tgt Ion:	252	Resp:	154871
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	11.6	9.9	14.9



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





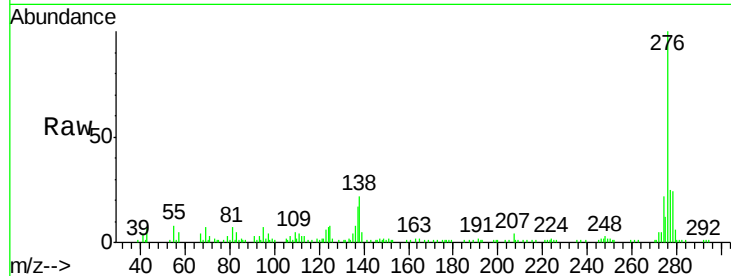
#90
Dibenzo(a,h)anthracene
Concen: 3.76 ng m
RT: 21.21 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Instrument :
BNA_F
ClientSampled :
WC2-GRAB

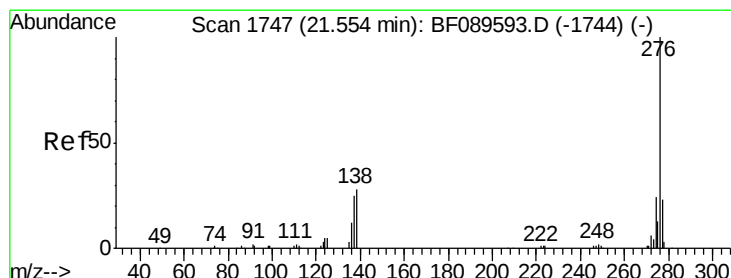
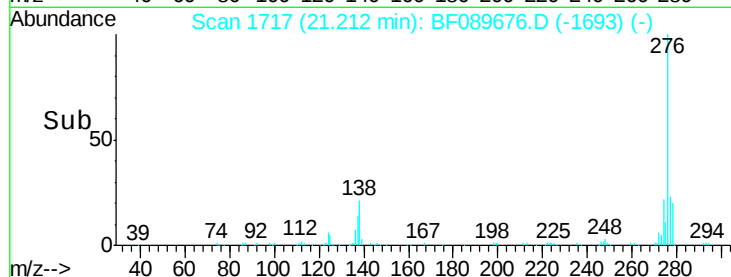
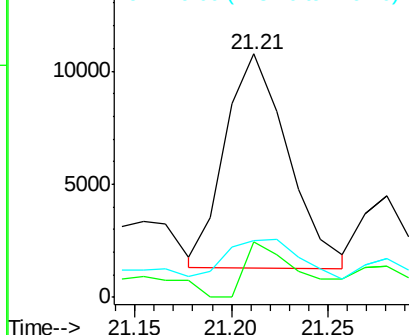
Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	14.6	21.8#
279	23.4	18.4	27.6

Manual Integrations
APPROVED

sohil
8/9/2016 6:18:48 PM

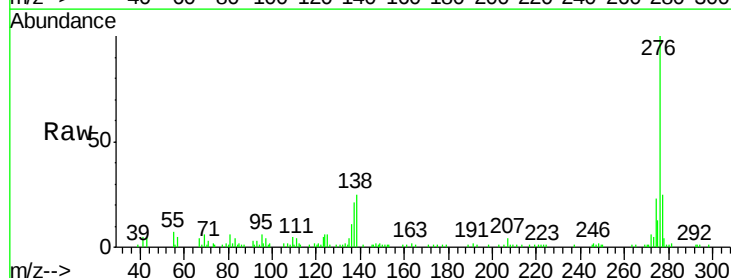


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 14.57 ng
RT: 21.54 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BF089676.D
Acq: 8 Aug 2016 23:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	24.6	22.6	33.8



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

