

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082516\
 Data File : BF089910.D
 Acq On : 25 Aug 2016 13:00
 Operator : UM/SJ
 Sample : H4566-04DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC2-S-5-02DL

Manual Integrations
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Quant Time: Aug 25 19:20:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	745854	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	2684775	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	1321172	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	2540472	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	1786798	20.00	ng	-0.01
86) Perylene-d12	15.41	264	1600390	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	727138	16.72	ng	-0.03
7) Phenol-d6	6.28	99	835565	15.65	ng	-0.03
23) Nitrobenzene-d5	7.22	82	520286	12.04	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	220460	17.56	ng	-0.02
44) 2-Fluorobiphenyl	9.03	172	857631	11.41	ng	-0.02
78) Terphenyl-d14	12.77	244	666191	8.43	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.96	128	292268	2.33	ng	98
49) Dimethylphthalate	9.42	163	265337	2.85	ng	99
51) Acenaphthene	9.72	154	251218	3.13	ng	99
57) Fluorene	10.24	166	206666	2.57	ng	100
70) Phenanthrene	11.20	178	2483268	19.35	ng	99
71) Anthracene	11.25	178	568991	4.36	ng	97
72) Carbazole	11.39	167	321828	2.75	ng	97
74) Fluoranthene	12.38	202	2545521	20.86	ng	94
77) Pyrene	12.61	202	2329596	16.01	ng	97
80) Benzo(a)anthracene	13.85	228	1186158	11.59	ng	99
82) Chrysene	13.90	228	883848	10.07	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	444632	3.97	ng	94
87) Benzo(b)fluoranthene	15.01	252	1161151m	13.19	ng	
88) Benzo(k)fluoranthene	15.03	252	316394m	3.96	ng	
89) Benzo(a)pyrene	15.34	252	736346	8.84	ng	98
91) Benzo(g,h,i)perylene	17.05	276	417712	4.39	ng	98

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

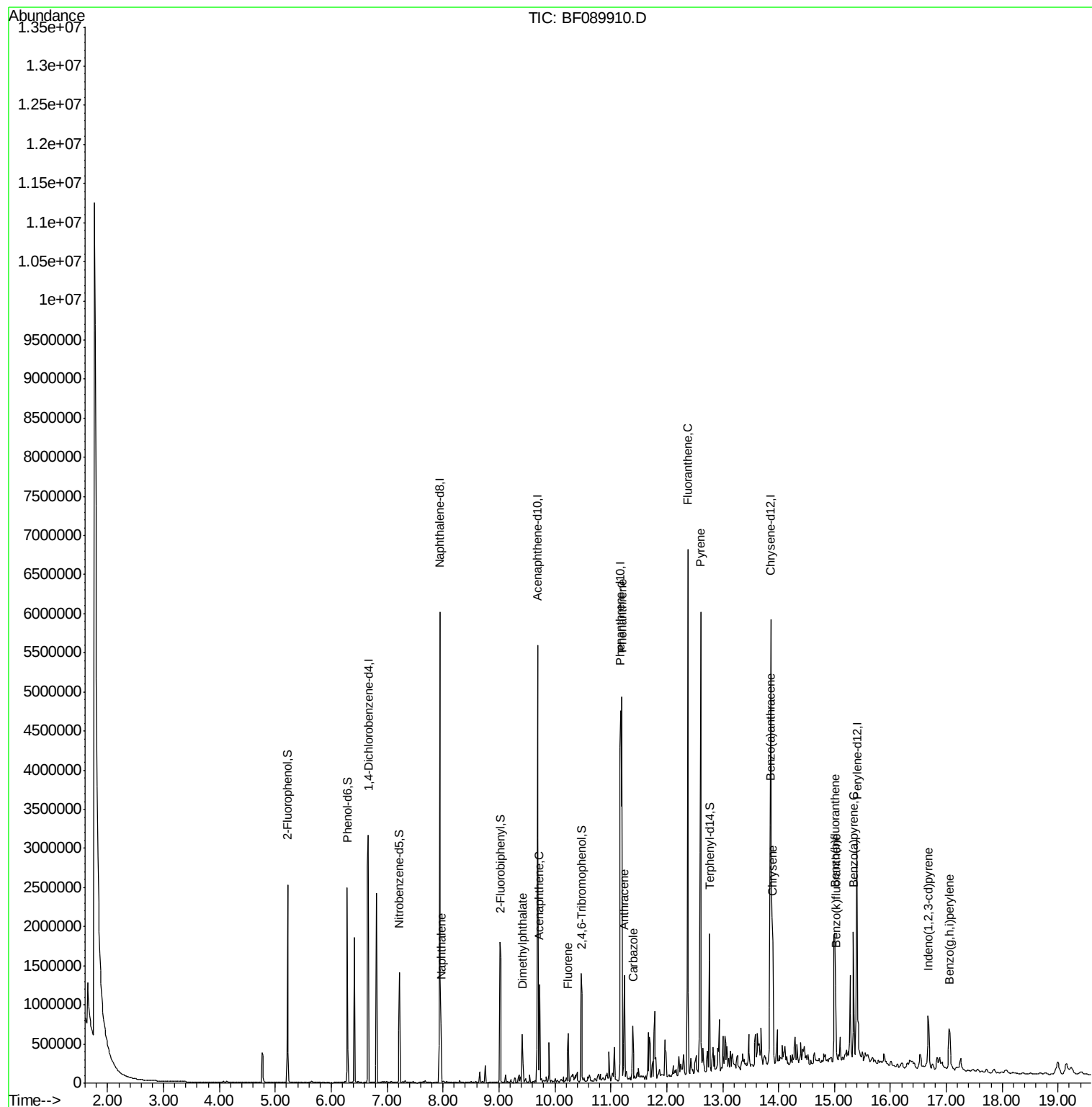
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082516\
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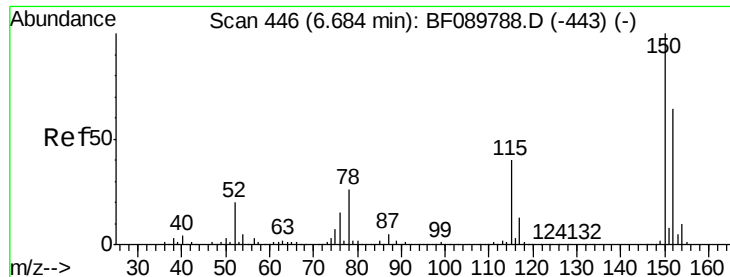
Instrument :
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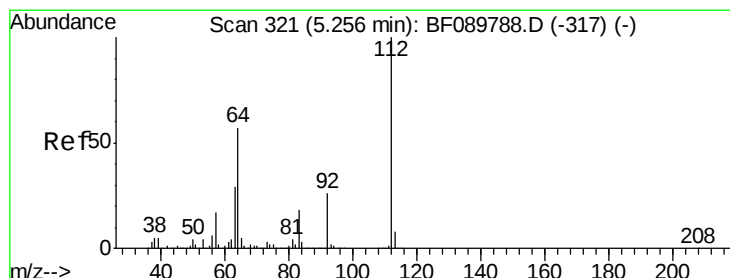
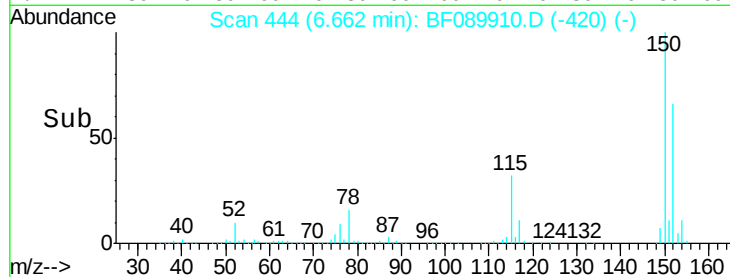
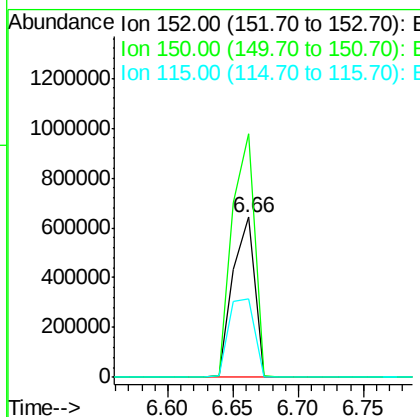
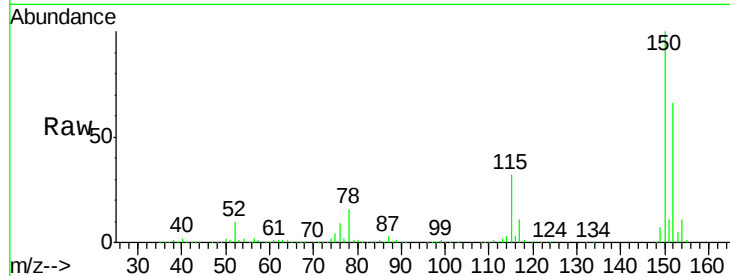
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 444
 Delta R.T. -0.02 min
 Lab File: BF089910.D
 Acq: 25 Aug 2016 13:00

Instrument :
 BNA_F
 ClientSampleId :
 WC2-S-5-02DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	125.3	187.9
115	48.9	40.9	61.3

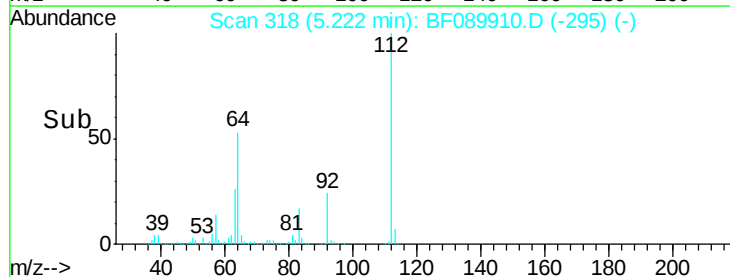
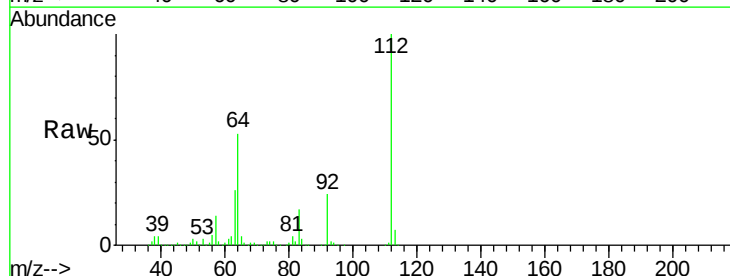
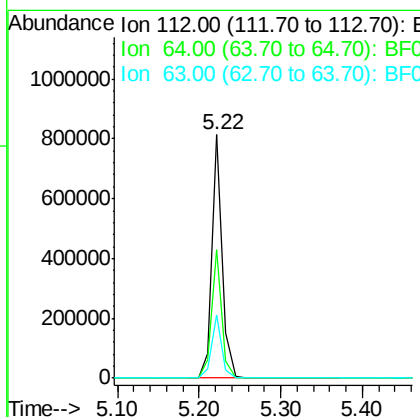
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#5
 2-Fluorophenol
 Concen: 16.72 ng
 RT: 5.22 min Scan# 318
 Delta R.T. -0.03 min
 Lab File: BF089910.D
 Acq: 25 Aug 2016 13:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.0	67.4
63	26.1	23.1	34.7





#7

Phenol-d6

Concen: 15.65 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

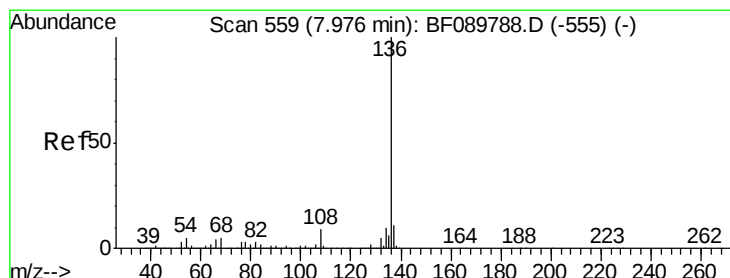
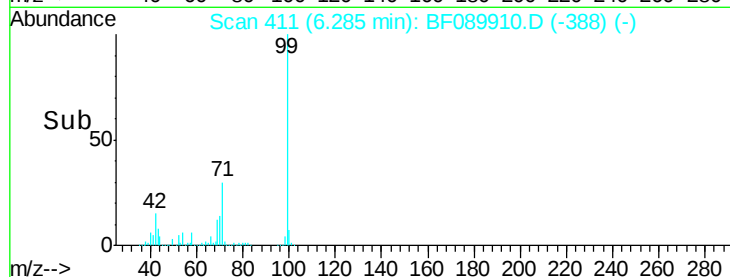
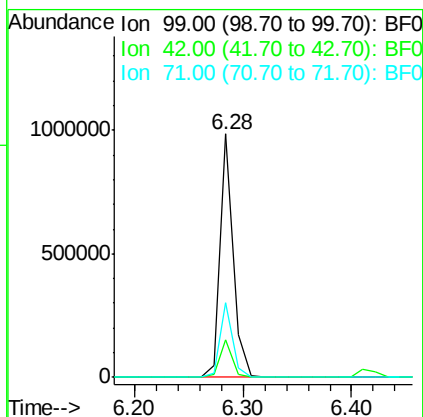
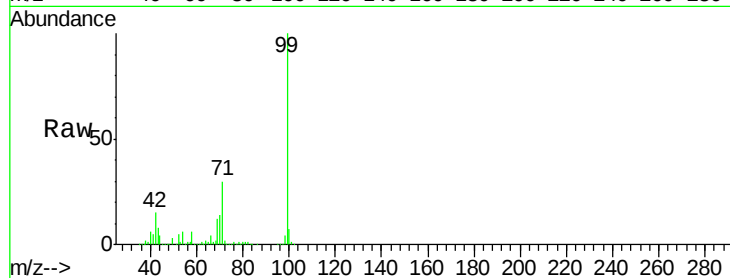
ClientSampled :

WC2-S-5-02DL

Tgt Ion:	99	Resp:	835565
Ion Ratio	Lower	Upper	
99	100		
42	15.2	12.2	18.4
71	30.4	23.8	35.8

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#21

Naphthalene-d8

Concen: 20.00 ng

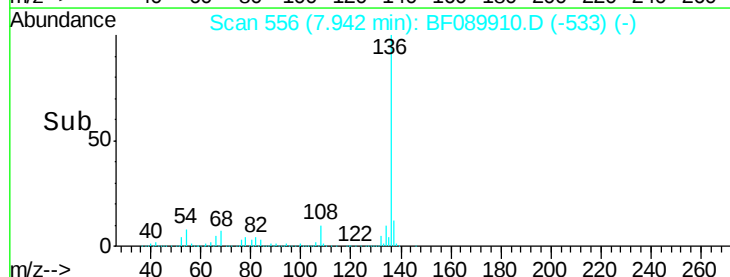
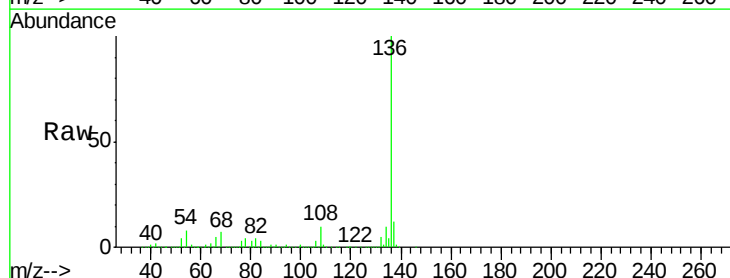
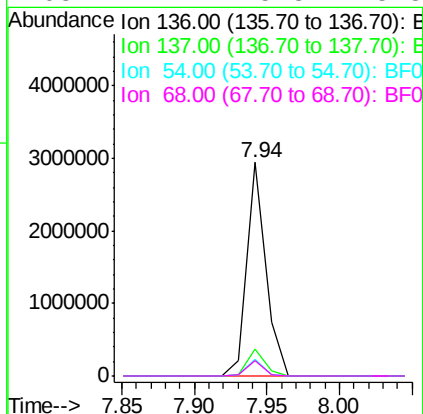
RT: 7.94 min Scan# 556

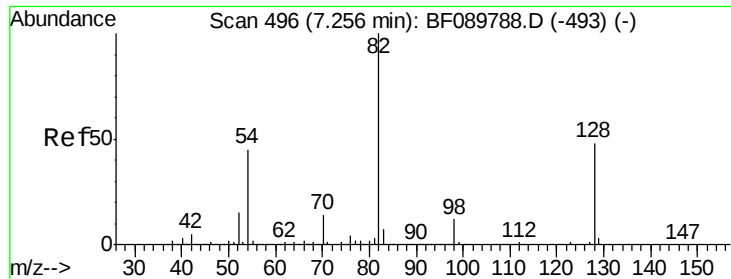
Delta R.T. -0.03 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Tgt Ion:	136	Resp:	2684775
Ion Ratio	Lower	Upper	
136	100		
137	12.3	9.2	13.8
54	7.7	7.2	10.8
68	7.2	5.8	8.8





#23

Nitrobenzene-d5

Concen: 12.04 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.03 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

ClientSampleId :

WC2-S-5-02DL

Tgt Ion: 82 Resp: 520286

Ion Ratio Lower Upper

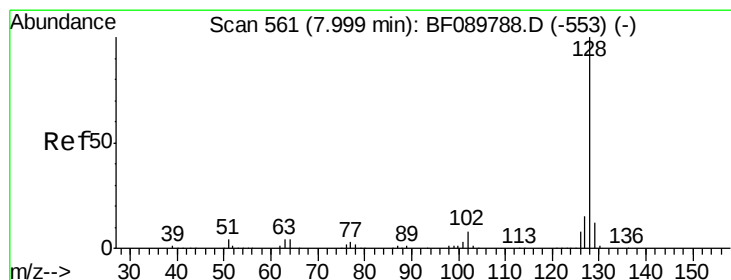
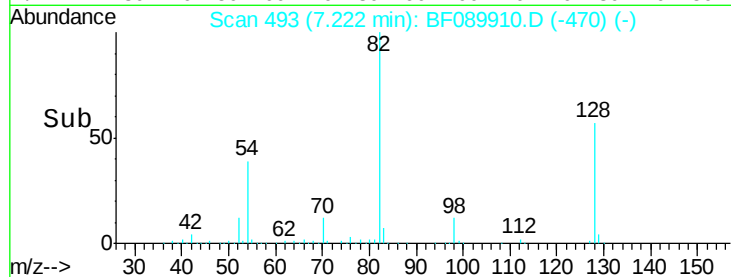
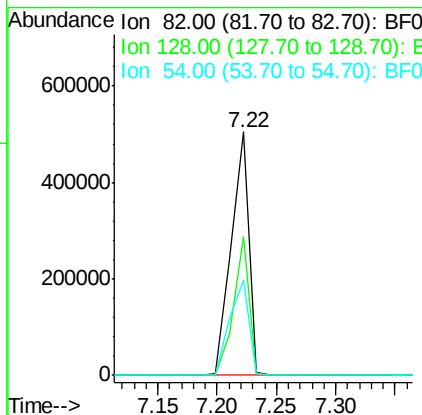
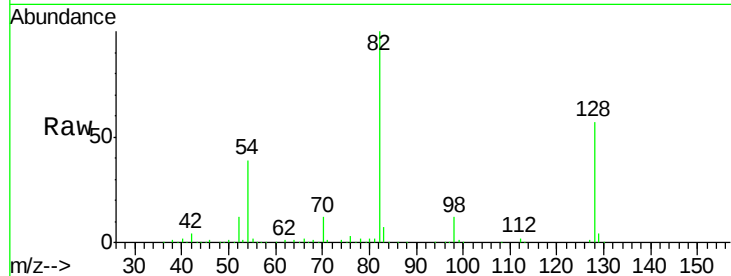
82 100

128 57.0 34.4 51.6#

54 38.9 40.3 60.5#

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#31

Naphthalene

Concen: 2.33 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.03 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

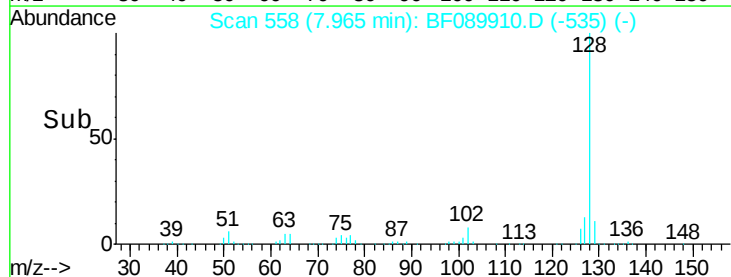
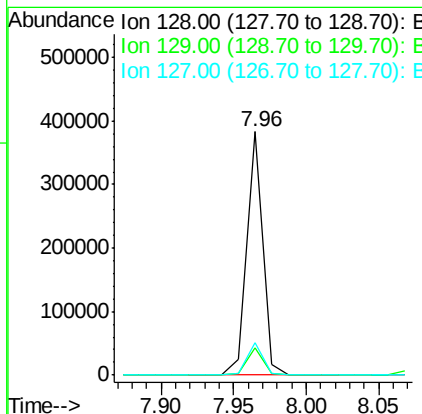
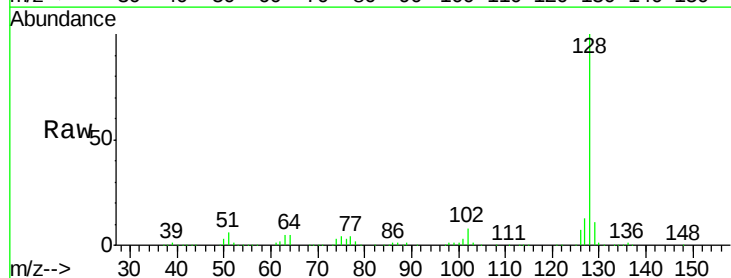
Tgt Ion: 128 Resp: 292268

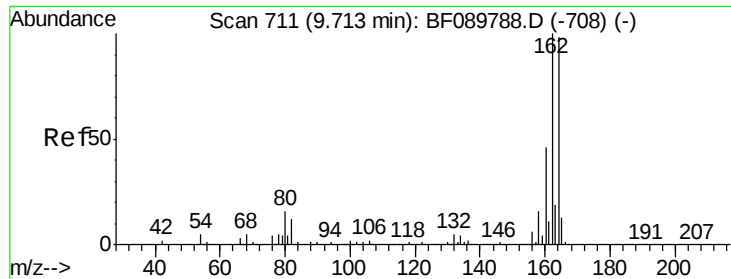
Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

127 13.2 11.3 16.9





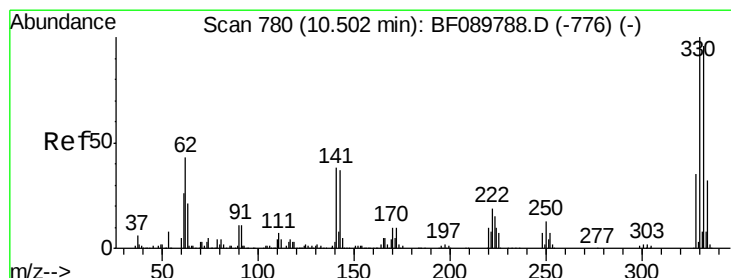
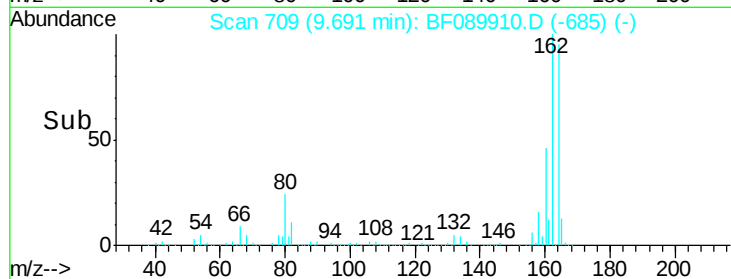
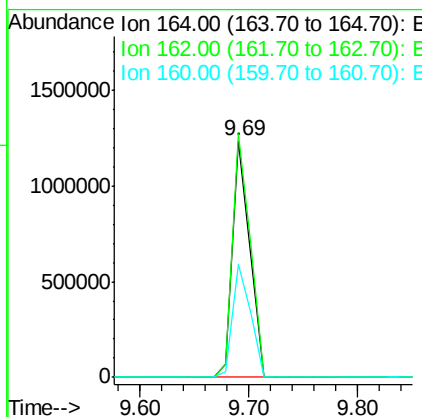
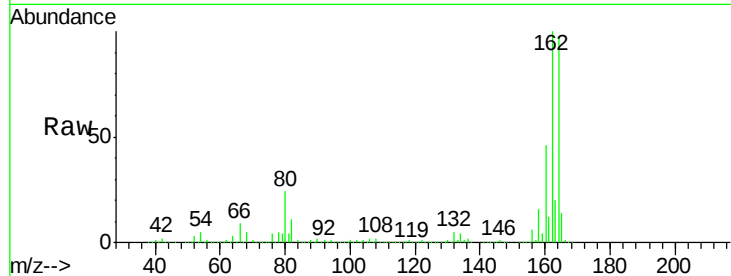
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.02 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Instrument :
BNA_F
ClientSampleId :
WC2-S-5-02DL

Tgt Ion:164 Resp: 1321172
Ion Ratio Lower Upper
164 100
162 103.2 81.4 122.2
160 47.9 37.8 56.6

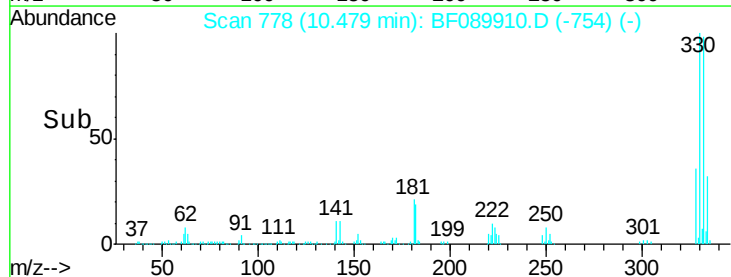
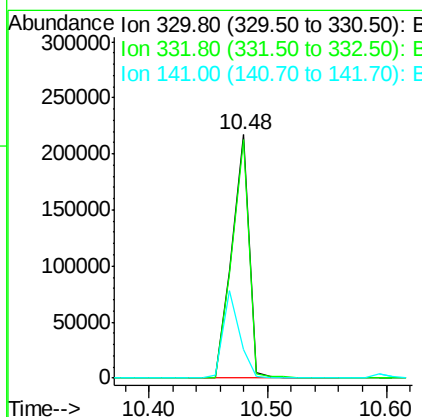
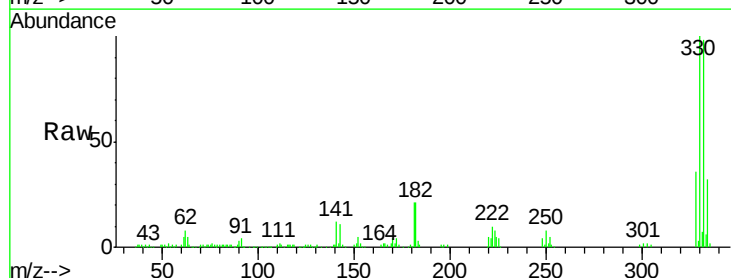
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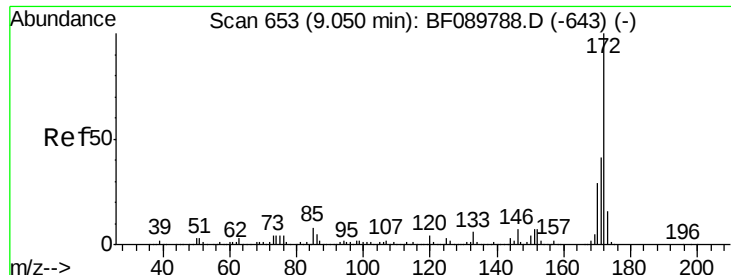
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#41
2,4,6-Tribromophenol
Concen: 17.56 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.02 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Tgt Ion:330 Resp: 220460
Ion Ratio Lower Upper
330 100
332 97.8 76.7 115.1
141 34.3 30.2 45.2





#44

2-Fluorobiphenyl

Concen: 11.41 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

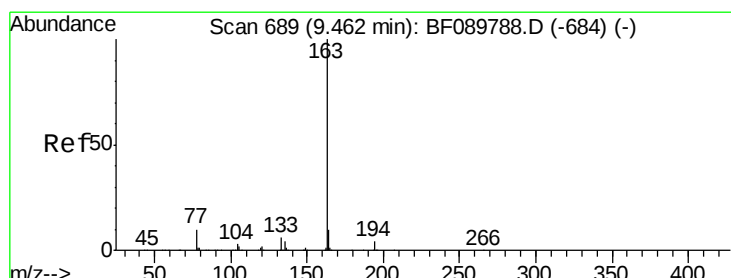
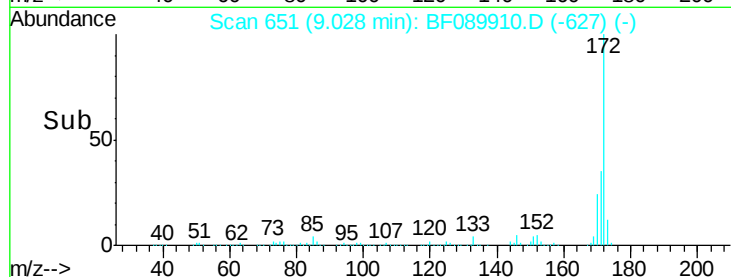
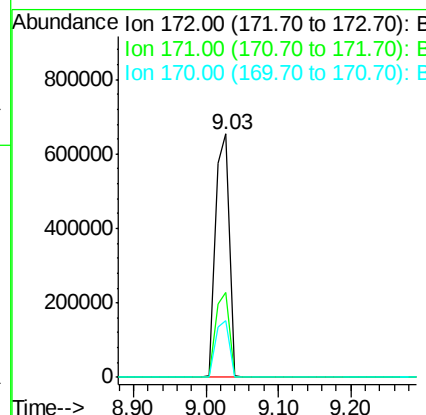
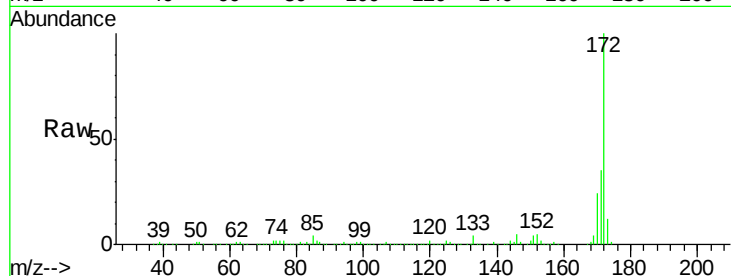
ClientSampleId :

WC2-S-5-02DL

Tgt Ion:	172	Resp:	857631
Ion Ratio	Lower	Upper	
172	100		
171	34.7	30.5	45.7
170	23.5	20.6	31.0

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#49

Dimethylphthalate

Concen: 2.85 ng

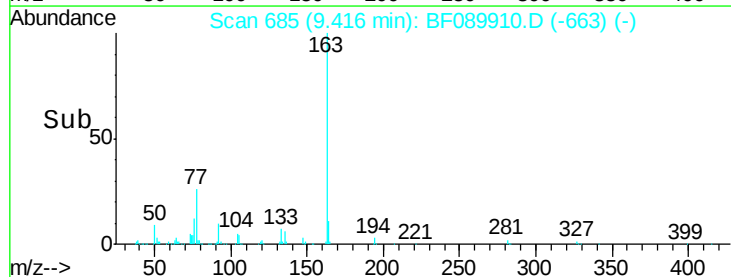
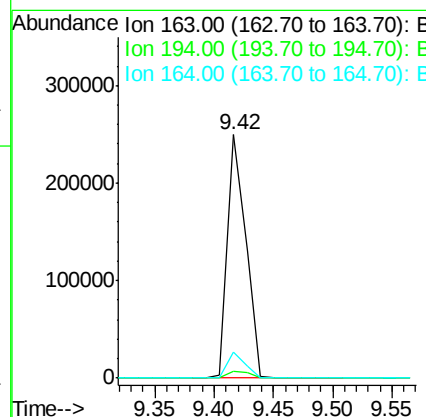
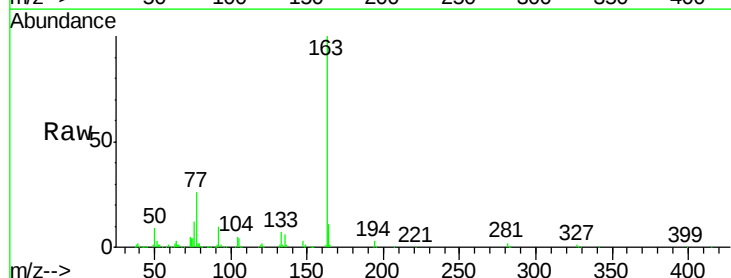
RT: 9.42 min Scan# 685

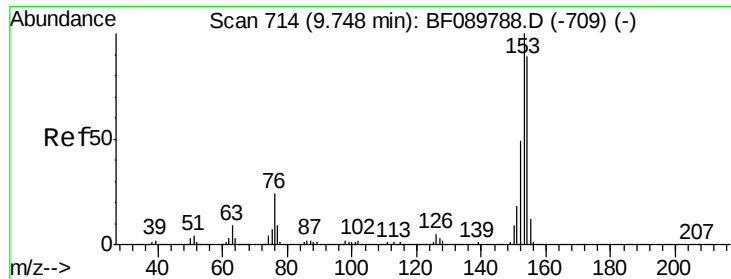
Delta R.T. -0.05 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Tgt Ion:	163	Resp:	265337
Ion Ratio	Lower	Upper	
163	100		
194	2.6	2.6	3.8
164	10.5	8.6	12.8





#51

Acenaphthene

Concen: 3.13 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

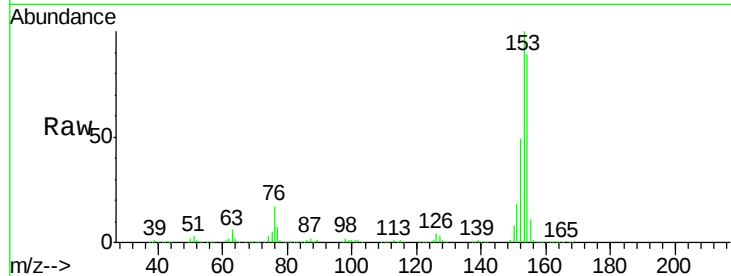
ClientSampleId :

WC2-S-5-02DL

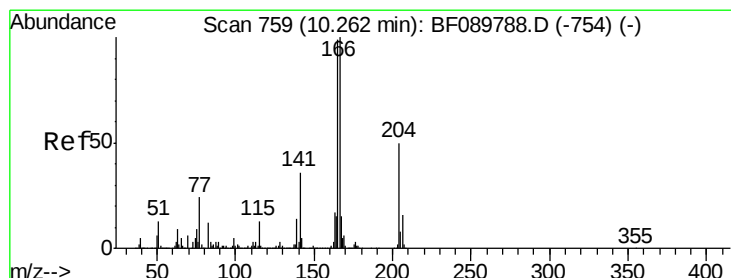
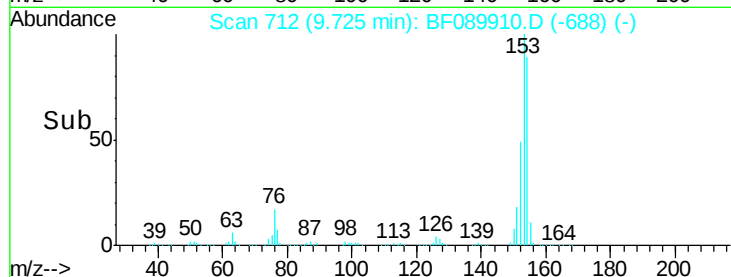
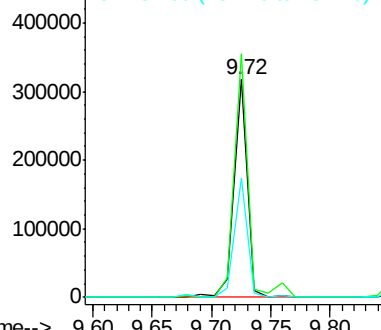
Tgt	Ion:154	Resp:	251218
Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.5	135.7
152	54.7	44.6	67.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.57 ng

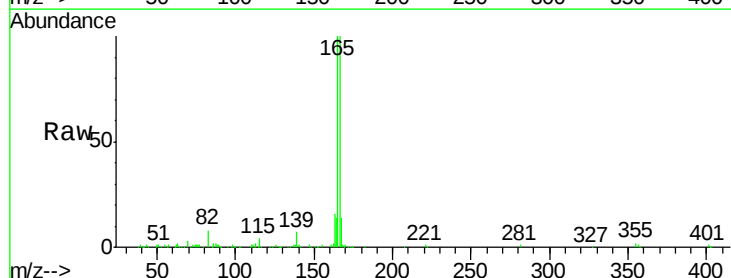
RT: 10.24 min Scan# 757

Delta R.T. -0.02 min

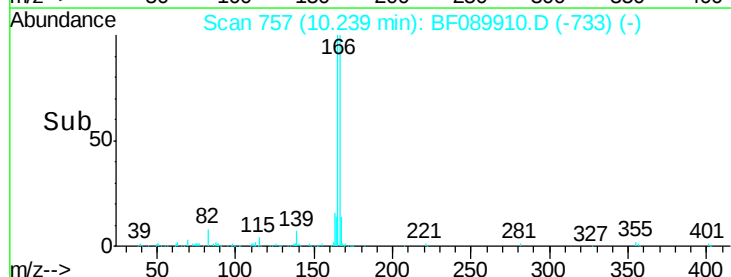
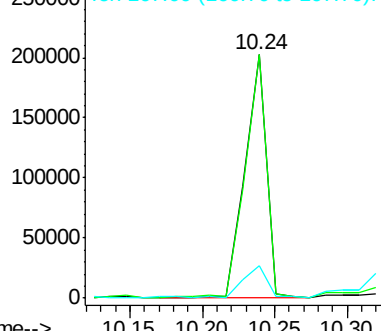
Lab File: BF089910.D

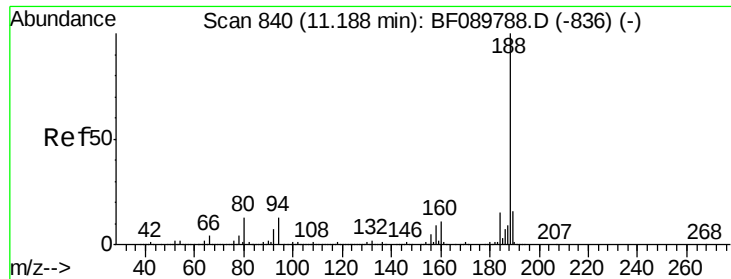
Acq: 25 Aug 2016 13:00

Tgt	Ion:166	Resp:	206666
Ion	Ratio	Lower	Upper
166	100		
165	100.0	80.2	120.4
167	13.5	11.3	16.9



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





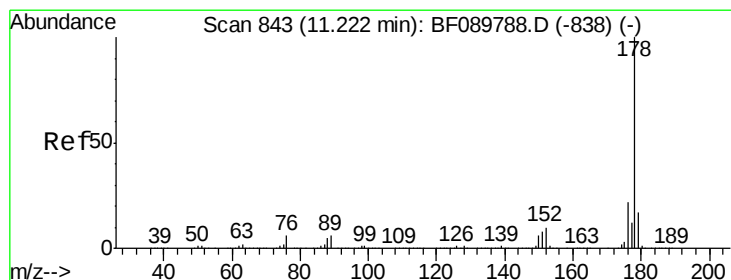
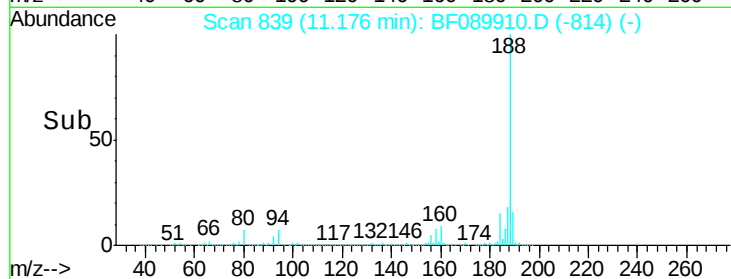
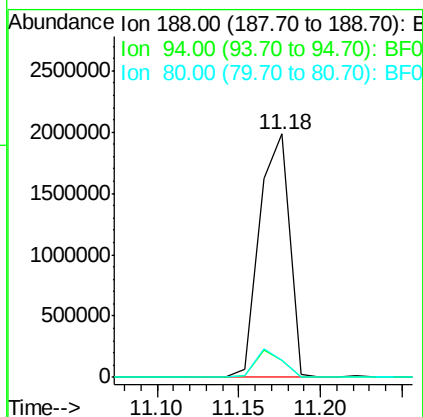
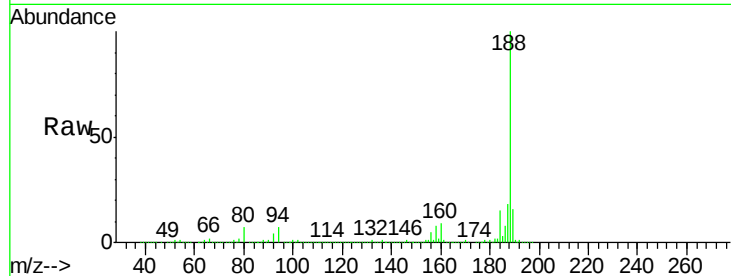
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Instrument :
BNA_F
ClientSampleId :
WC2-S-5-02DL

Tgt Ion:188 Resp: 2540472
Ion Ratio Lower Upper
188 100
94 7.2 10.2 15.2#
80 6.9 10.9 16.3#

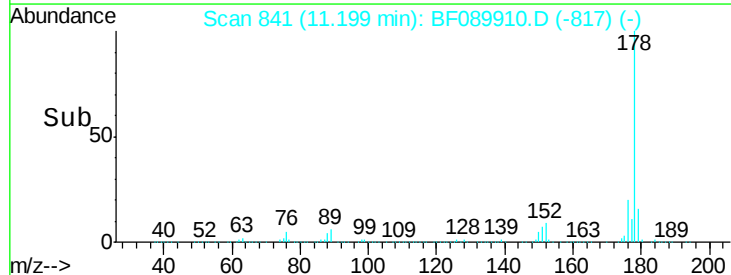
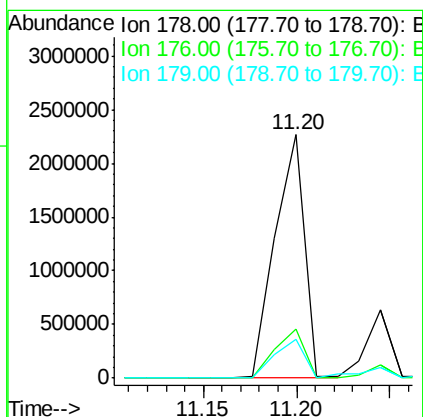
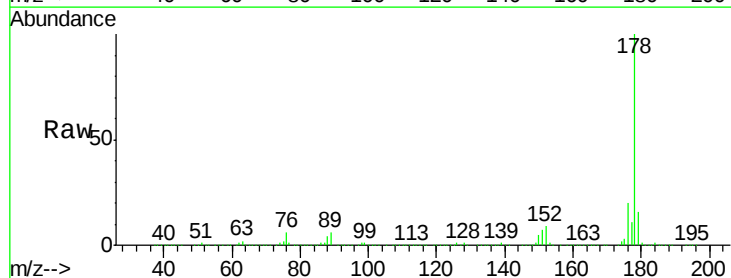
Manual Integrations
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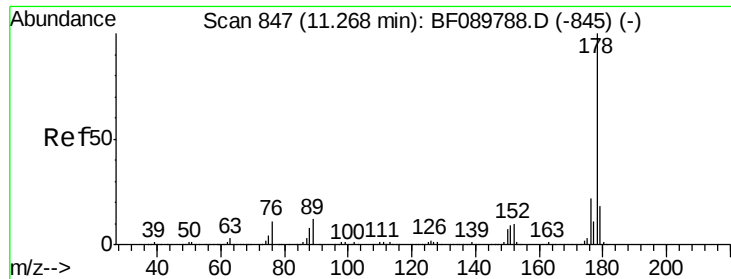
umangi
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#70
Phenanthrene
Concen: 19.35 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Tgt Ion:178 Resp: 2483268
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 16.0 12.5 18.7





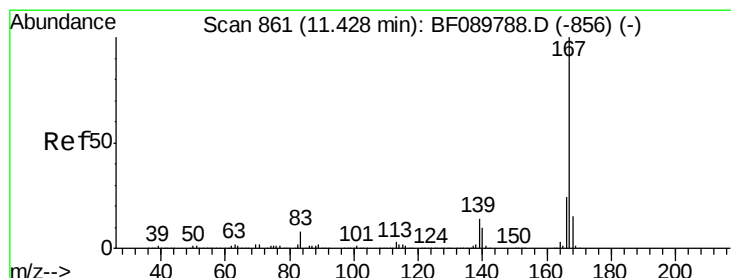
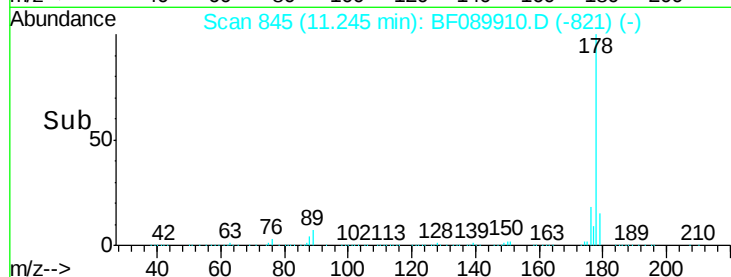
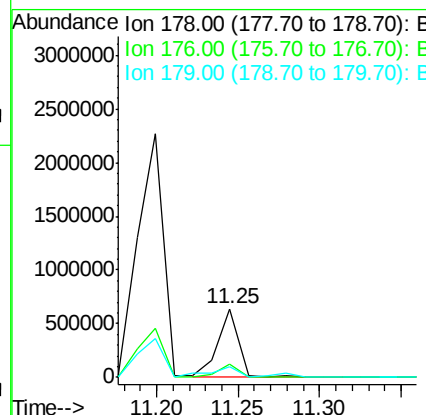
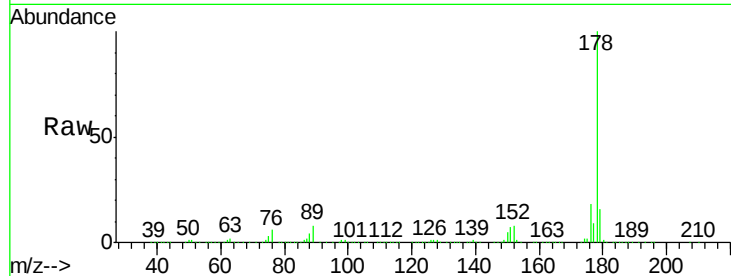
#71
 Anthracene
 Concen: 4.36 ng
 RT: 11.25 min Scan# 845
 Delta R.T. -0.02 min
 Lab File: BF089910.D
 Acq: 25 Aug 2016 13:00

Instrument :
 BNA_F
 ClientSampleId :
 WC2-S-5-02DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.4	24.6
179	15.6	13.1	19.7

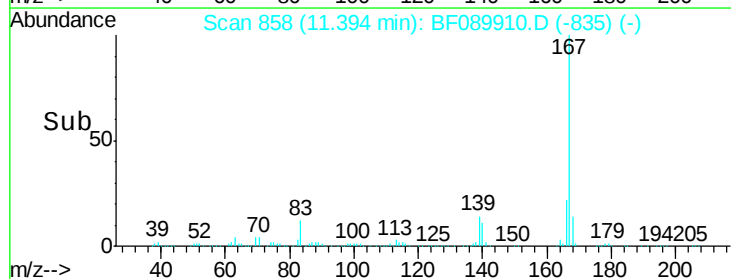
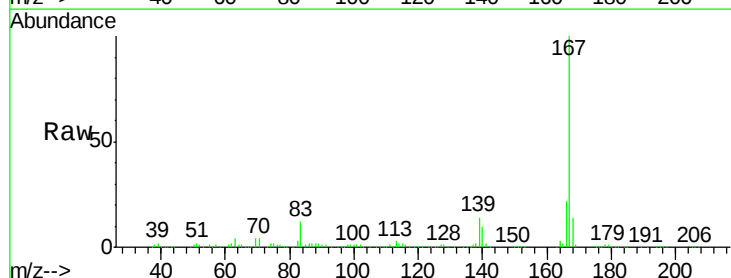
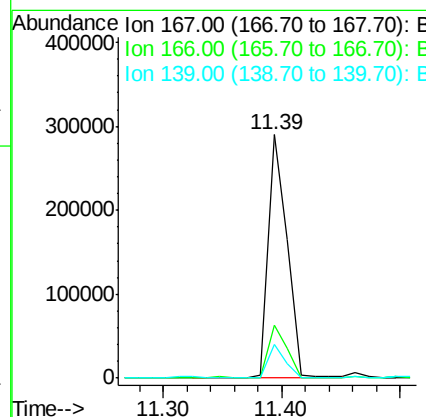
Manual Integrations
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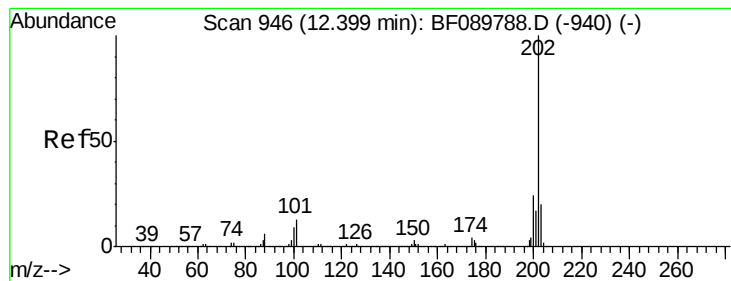
umangi
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#72
 Carbazole
 Concen: 2.75 ng
 RT: 11.39 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: BF089910.D
 Acq: 25 Aug 2016 13:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.9	26.9
139	13.9	12.4	18.6





#74

Fluoranthene

Concen: 20.86 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

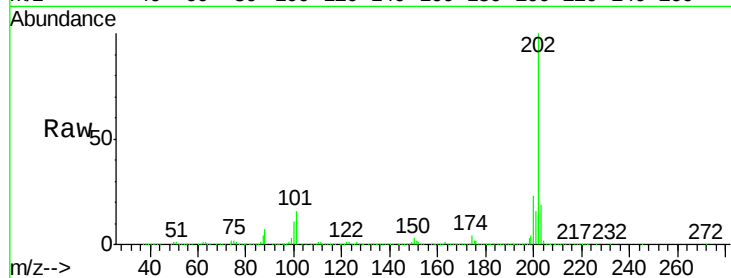
ClientSampleId :

WC2-S-5-02DL

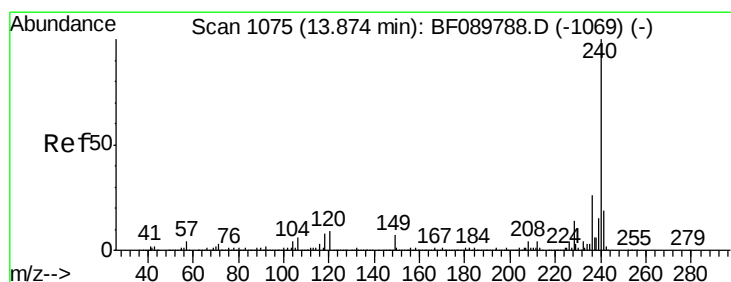
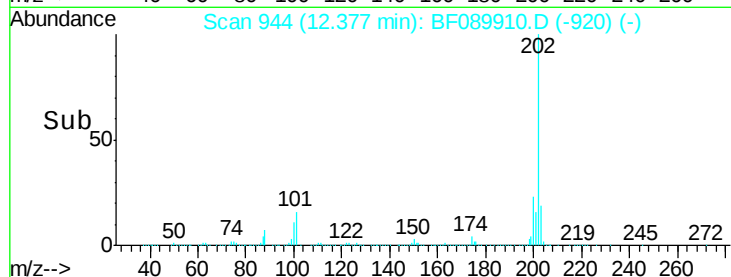
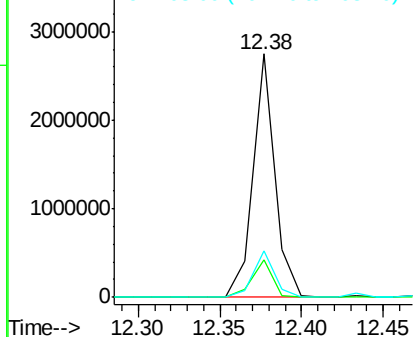
Tgt	Ion	202	Resp	2545521
Ion	Ratio	Lower	Upper	
202	100			
101	15.5	0.0	31.2	
203	19.2	0.0	38.1	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

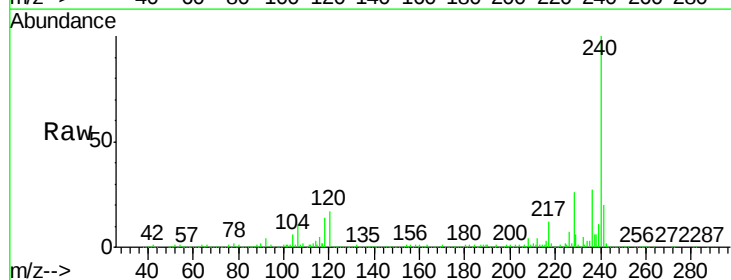
RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

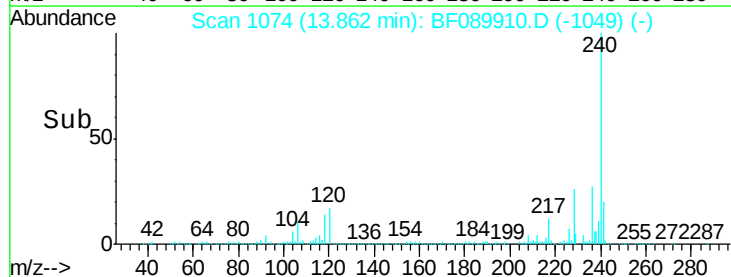
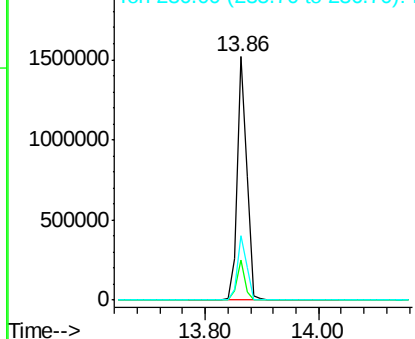
Lab File: BF089910.D

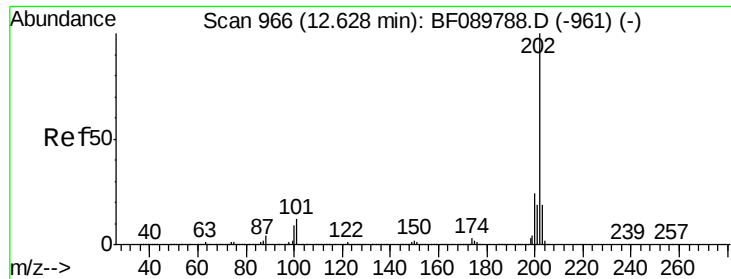
Acq: 25 Aug 2016 13:00

Tgt	Ion	240	Resp	1786798
Ion	Ratio	Lower	Upper	
240	100			
120	16.6	8.3	12.5#	
236	26.7	21.3	31.9	



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: 16.01 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

ClientSampleId :

WC2-S-5-02DL

Tgt Ion:202 Resp: 2329596

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.6

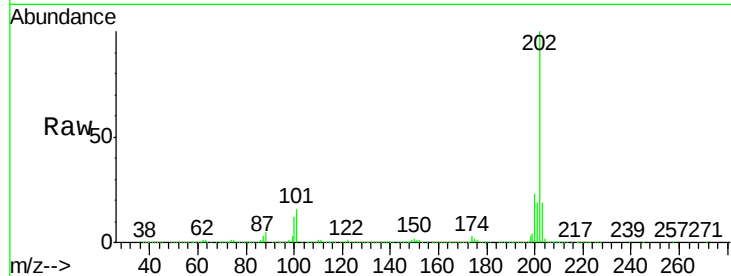
203 19.3 14.2 21.4

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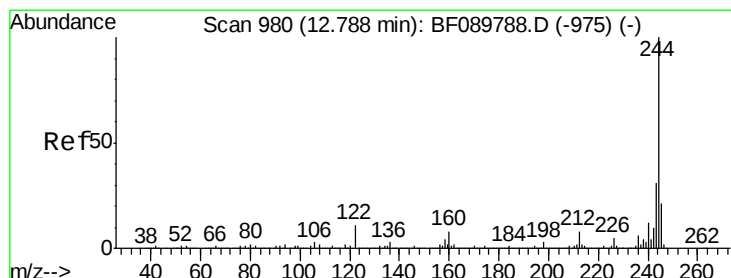
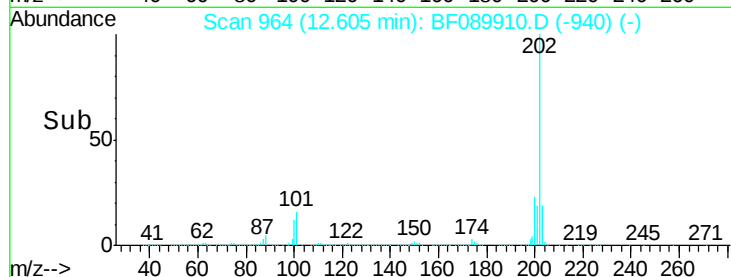
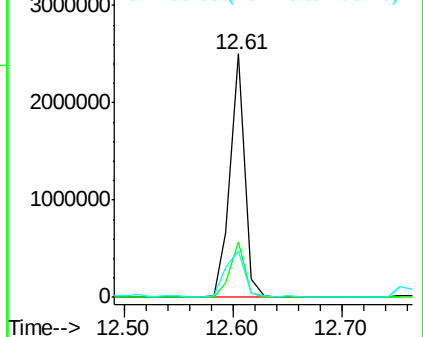
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 8.43 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

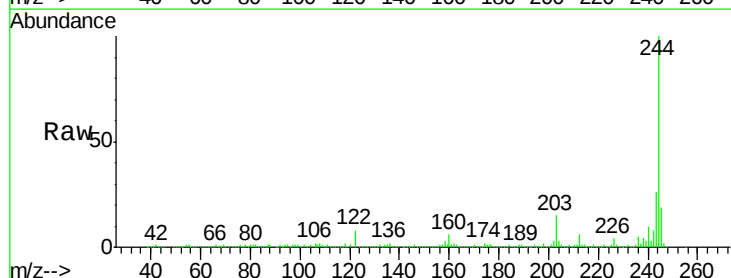
Tgt Ion:244 Resp: 666191

Ion Ratio Lower Upper

244 100

212 6.2 6.3 9.5#

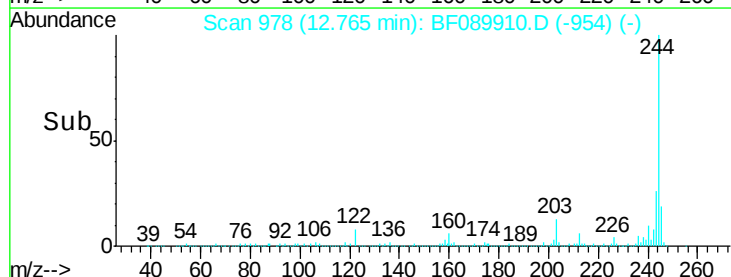
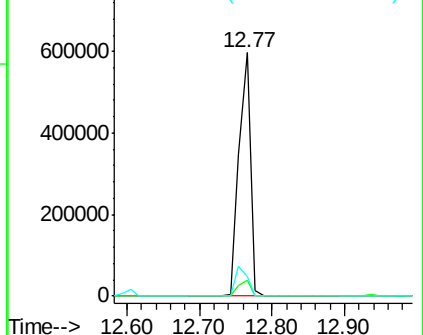
122 8.0 12.0 18.0#

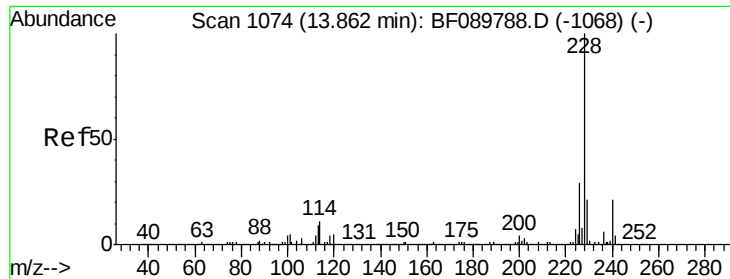


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





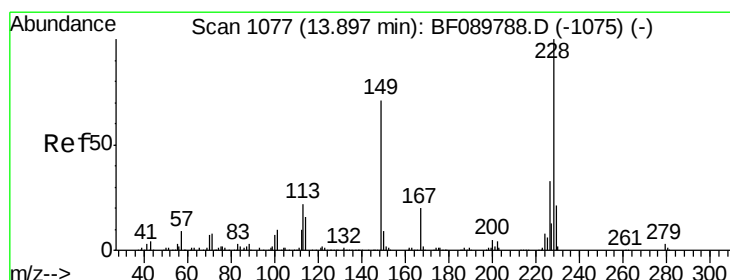
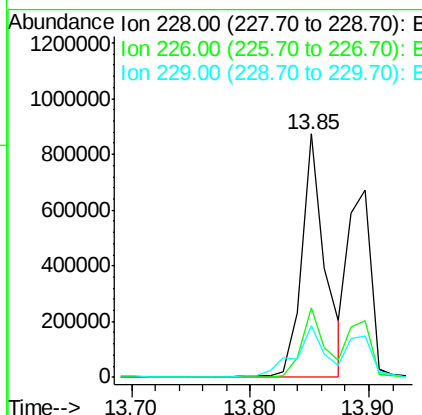
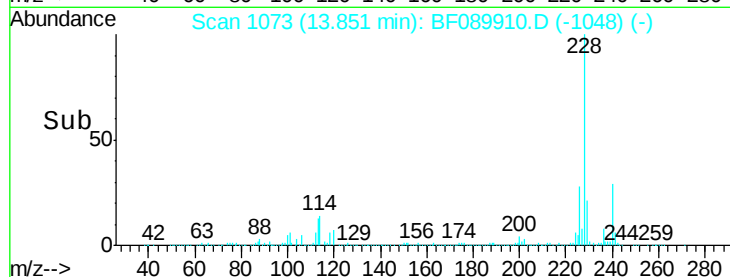
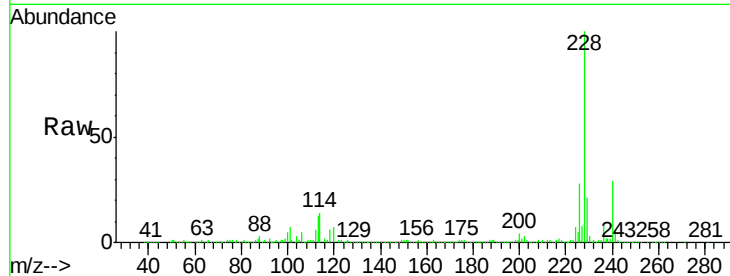
#80
Benzo(a)anthracene
Concen: 11.59 ng
RT: 13.85 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Instrument :
BNA_F
ClientSampleId :
WC2-S-5-02DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.2	34.8
229	21.1	16.2	24.4

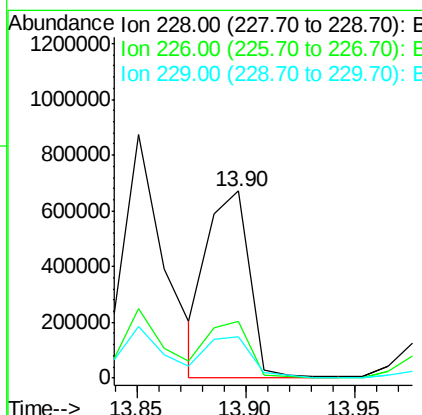
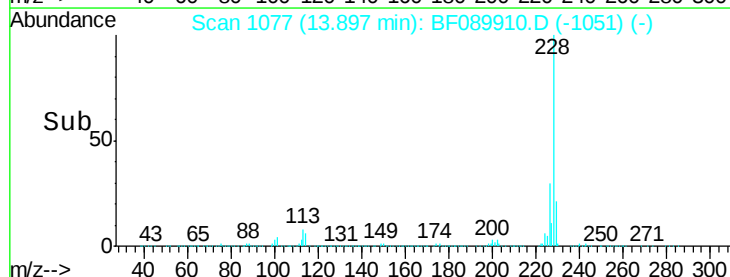
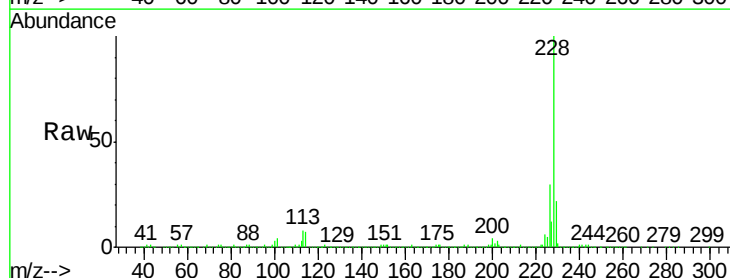
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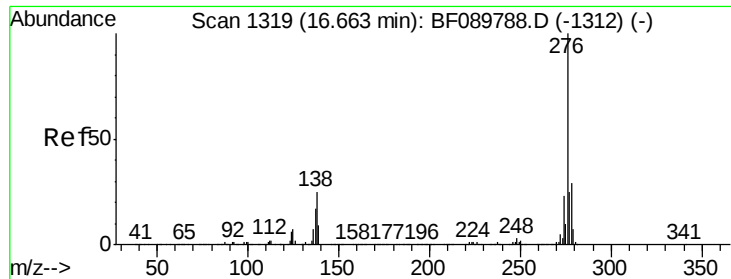
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#82
Chrysene
Concen: 10.07 ng
RT: 13.90 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	22.2	16.5	24.7





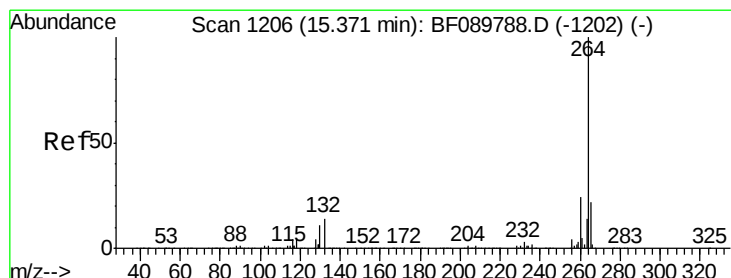
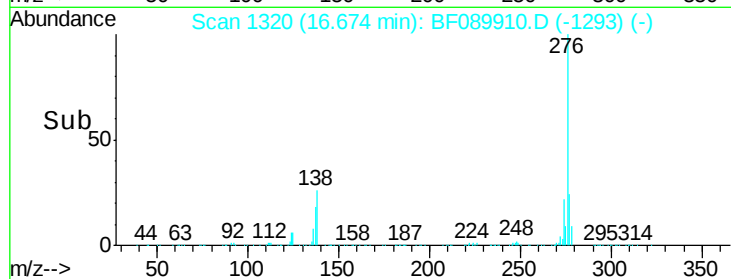
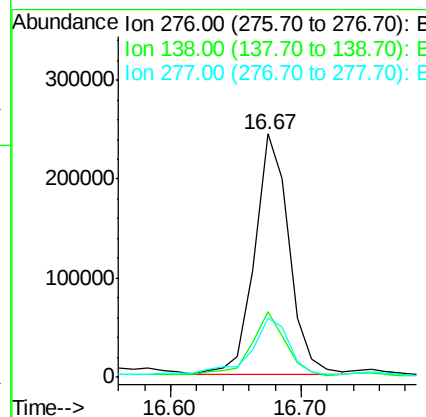
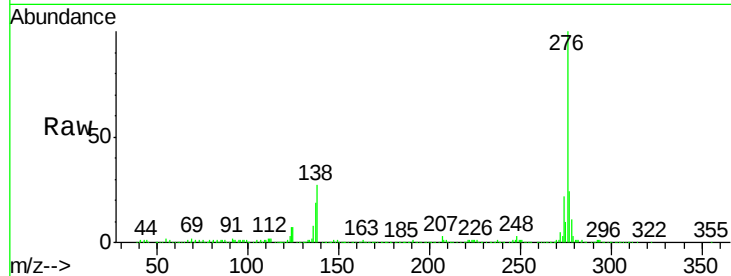
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.97 ng
RT: 16.67 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Instrument :
BNA_F
ClientSampleId :
WC2-S-5-02DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.6	36.8
277	27.0	20.4	30.6

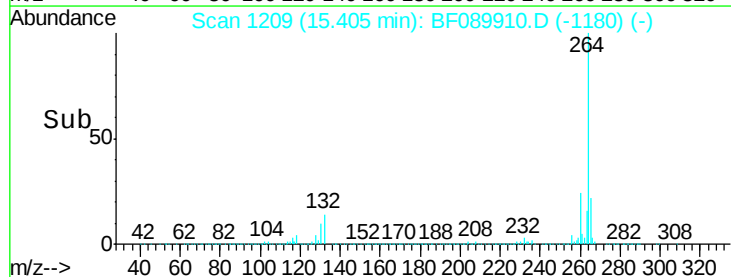
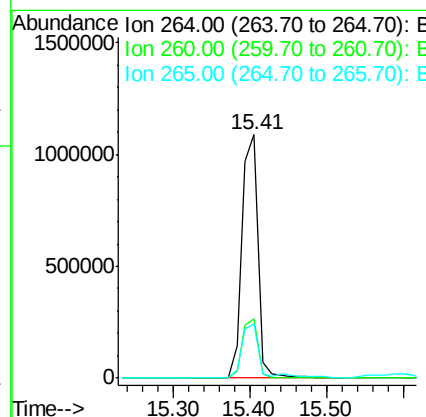
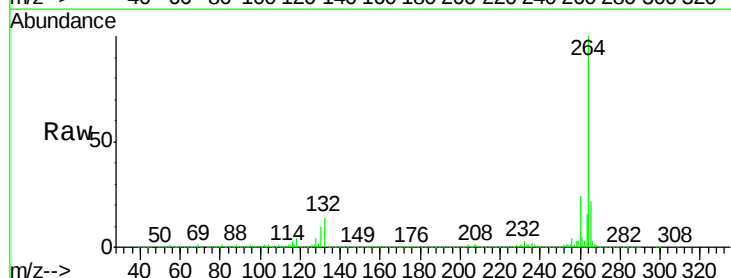
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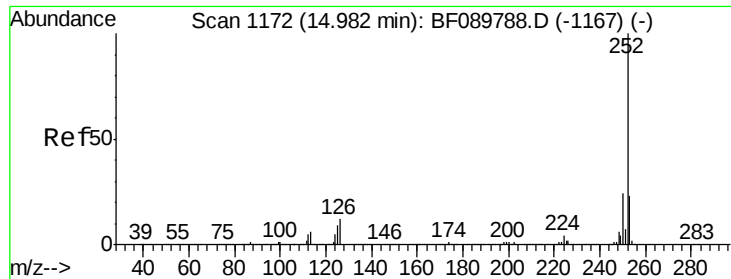
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1209
Delta R.T. 0.03 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.2	30.2
265	22.1	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 13.19 ng m

RT: 15.01 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Instrument :

BNA_F

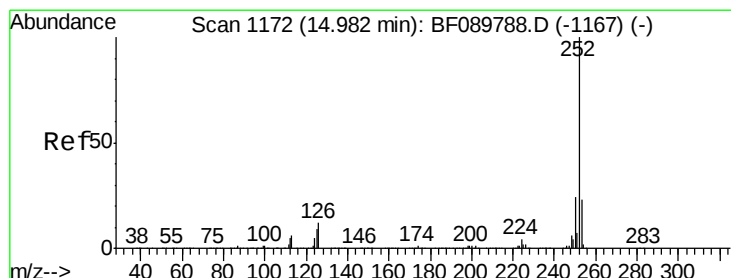
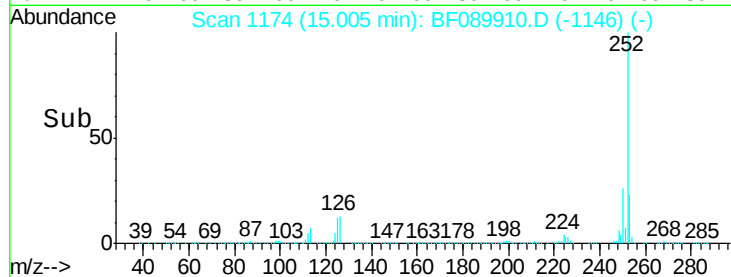
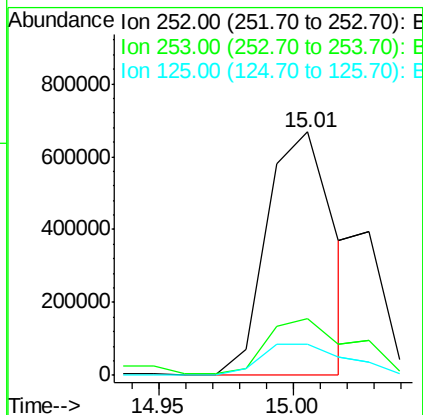
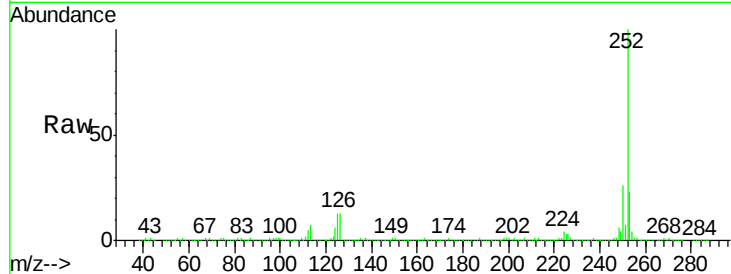
ClientSampleId :

WC2-S-5-02DL

Tgt Ion:	252	Resp:	1161151
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	12.6	11.4	17.2

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.96 ng m

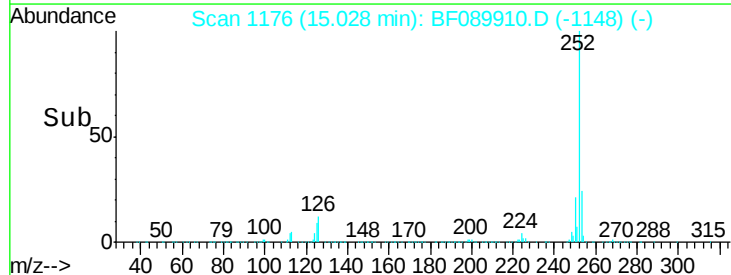
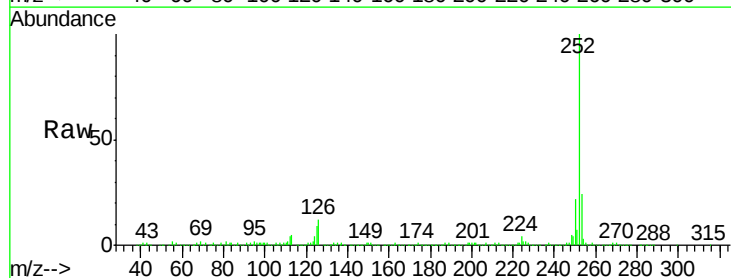
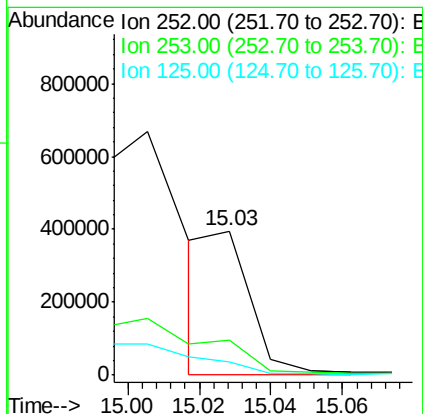
RT: 15.03 min Scan# 1176

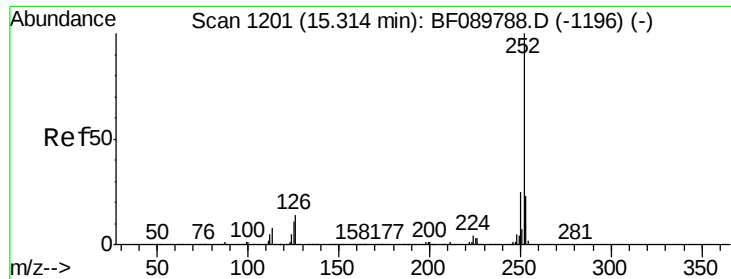
Delta R.T. 0.02 min

Lab File: BF089910.D

Acq: 25 Aug 2016 13:00

Tgt Ion:	252	Resp:	316394
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.4	27.6
125	9.0	9.8	14.6#





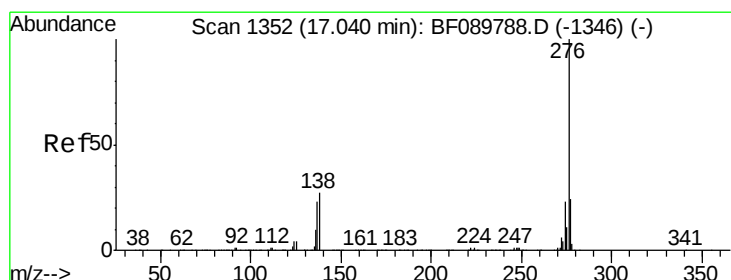
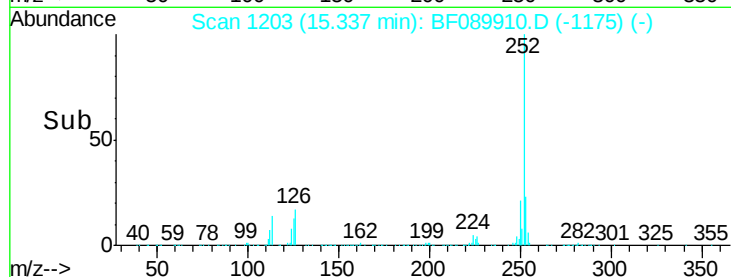
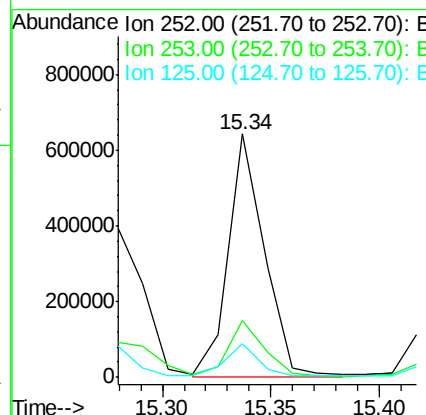
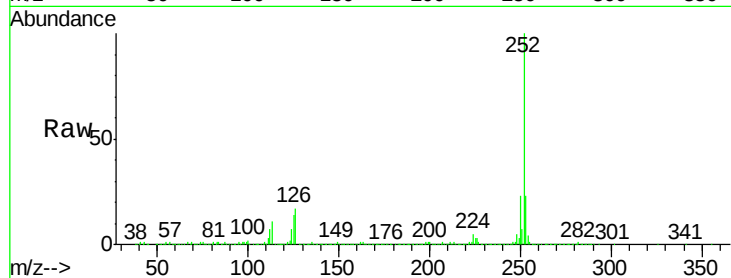
#89
Benzo(a)pyrene
Concen: 8.84 ng
RT: 15.34 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Instrument :
BNA_F
ClientSampleId :
WC2-S-5-02DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	13.6	11.7	17.5

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#91
Benzo(g,h,i)perylene
Concen: 4.39 ng
RT: 17.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF089910.D
Acq: 25 Aug 2016 13:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	28.1	22.1	33.1

