

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042518\
 Data File : BF104828.D
 Acq On : 26 Apr 2018 10:07
 Operator : JU/SJ
 Sample : J2497-08DL 200X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-BOT-E-4DL

Manual Integrations
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Quant Time: Apr 17 09:02:36 2019
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102331	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	420619	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	180315	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	270350	20.00	ng	0.00
75) Chrysene-d12	13.97	240	213765	20.00	ng	-0.01
86) Perylene-d12	15.44	264	168849	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.48	99	107	0.01	ng	0.04
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.16	172	777	0.07	ng	0.00
78) Terphenyl-d14	12.91	244	1054	0.11	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	8.10	128	736330	35.156	ng	99
37) 2-Methylnaphthalene	8.79	142	110325	8.143	ng	98
48) Acenaphthylene	9.70	152	47827	2.548	ng	97
51) Acenaphthene	9.87	154	72140	6.298	ng	99
54) Dibenzofuran	10.05	168	82102	5.144	ng	99
57) Fluorene	10.39	166	107819	9.280	ng	100
70) Phenanthrene	11.35	178	411480	27.331	ng	99
71) Anthracene	11.40	178	119763	7.825	ng	100
72) Carbazole	11.56	167	34682	2.319	ng	99
74) Fluoranthene	12.54	202	271798	17.279	ng	98
77) Pyrene	12.77	202	246870	15.580	ng	98
80) Benzo(a)anthracene	13.96	228	119664	9.370	ng	95
82) Chrysene	14.00	228	96102	7.326	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	35062	3.147	ng	94
87) Benzo(b)fluoranthene	15.02	252	102865m	9.646	ng	
88) Benzo(k)fluoranthene	15.04	252	28308m	2.812	ng	
89) Benzo(a)pyrene	15.37	252	74401	7.797	ng	99
91) Benzo(g,h,i)perylene	17.33	276	31682m	4.173	ng	

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

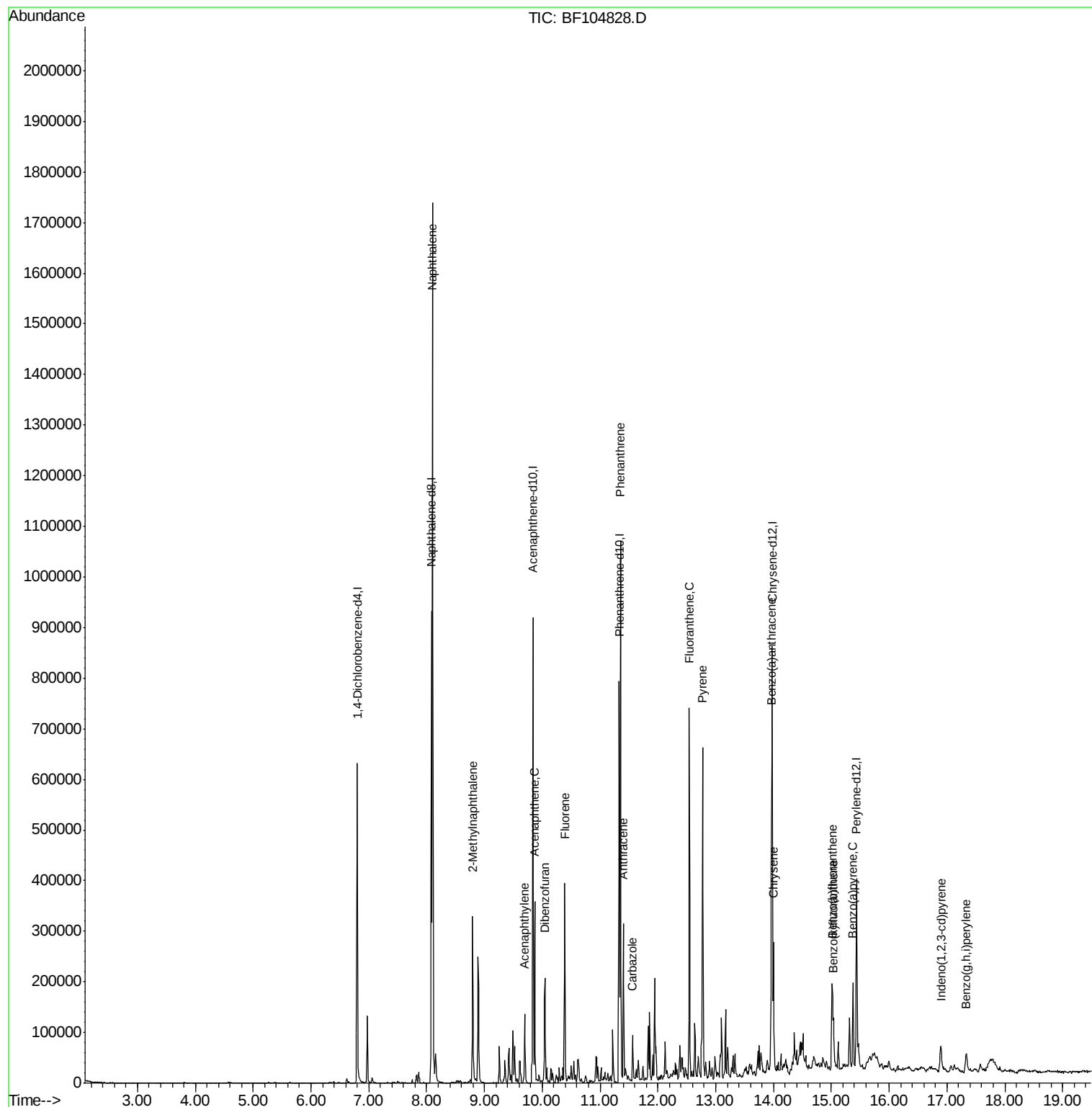
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042518\
Data File : BF104828.D
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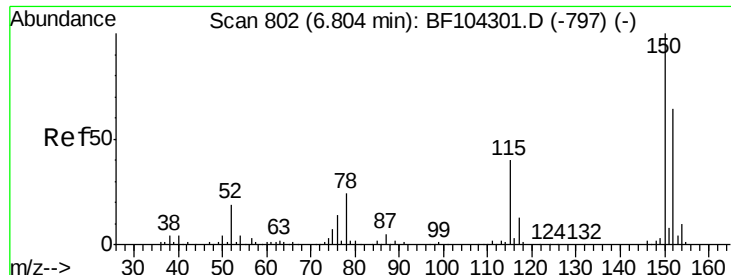
Instrument :
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A2-SB02-BOT-E-4DL

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#1

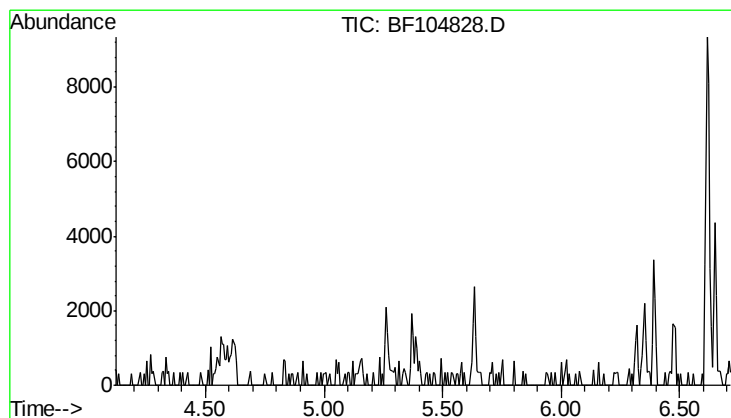
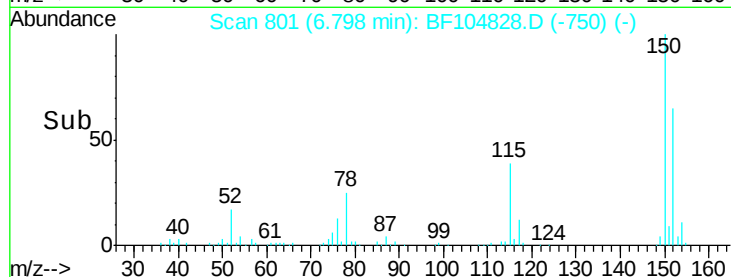
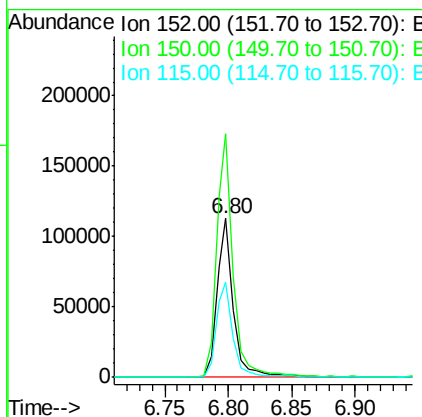
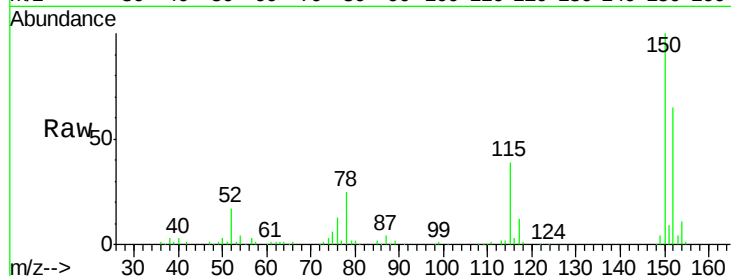
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	60.3	50.1	75.1

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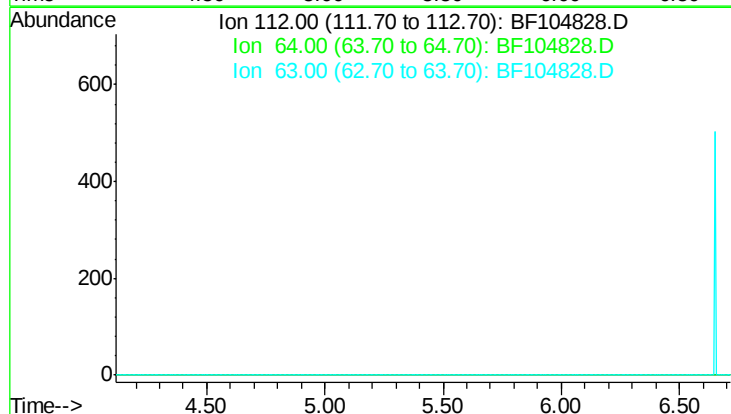


#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.42 min

Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Sig	Exp Ratio
112	100	
64	59.9	
63	29.6	





#7

Phenol-d6

Concen: 0.013 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.04 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Instrument :

BNA_F

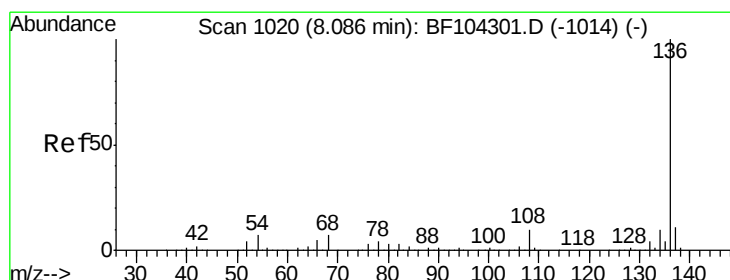
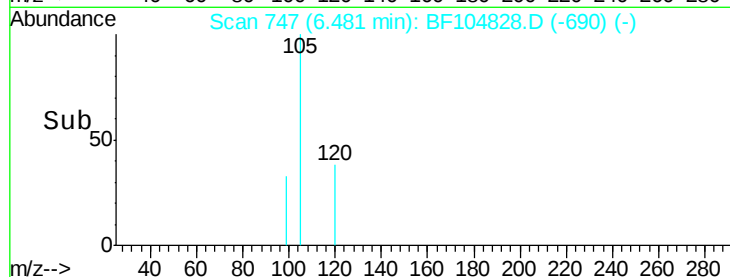
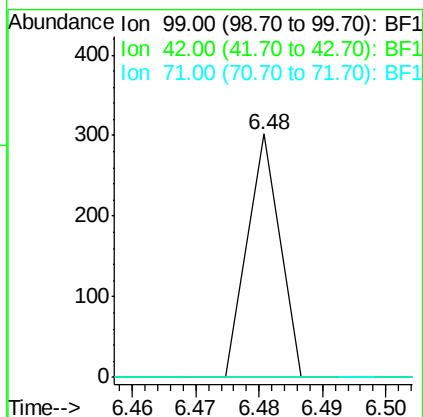
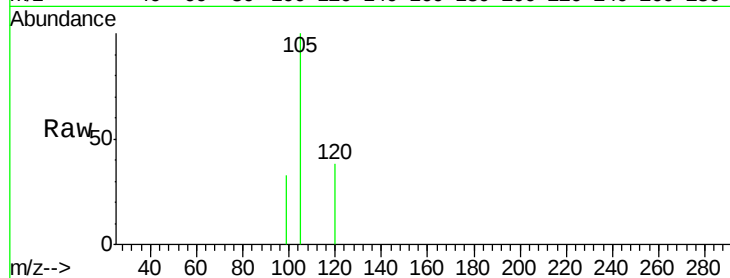
ClientSampleId :

A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

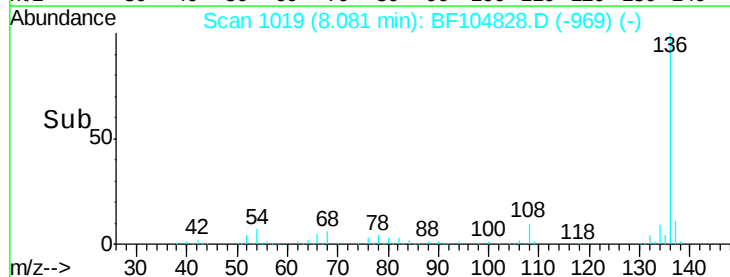
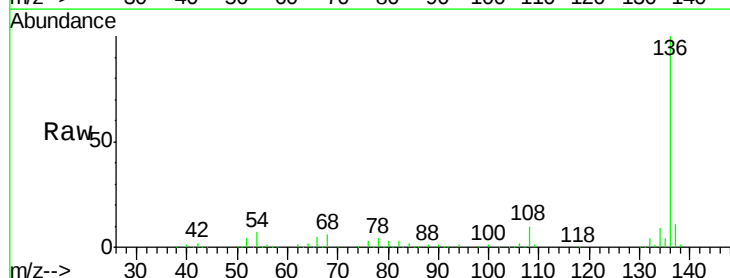
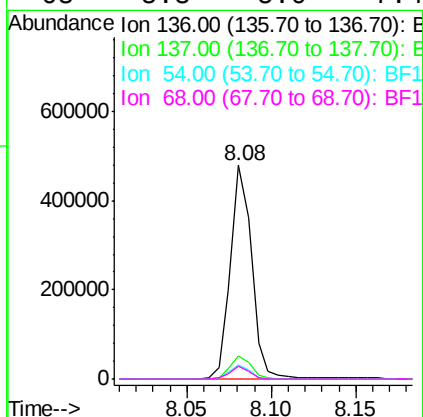
RT: 8.08 min Scan# 1019

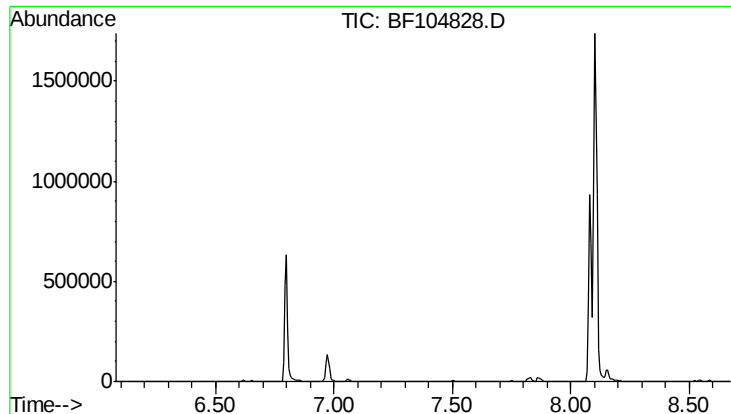
Delta R.T. -0.01 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.7	6.6	9.8
68	5.8	5.0	7.4





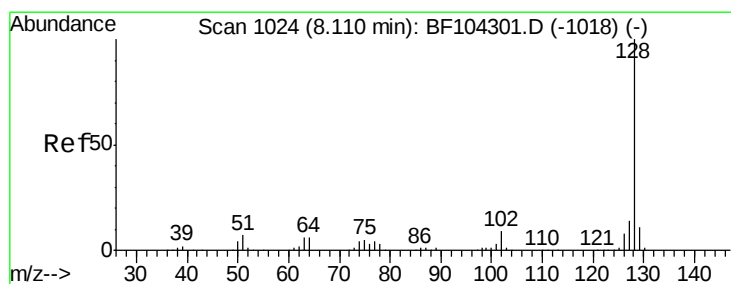
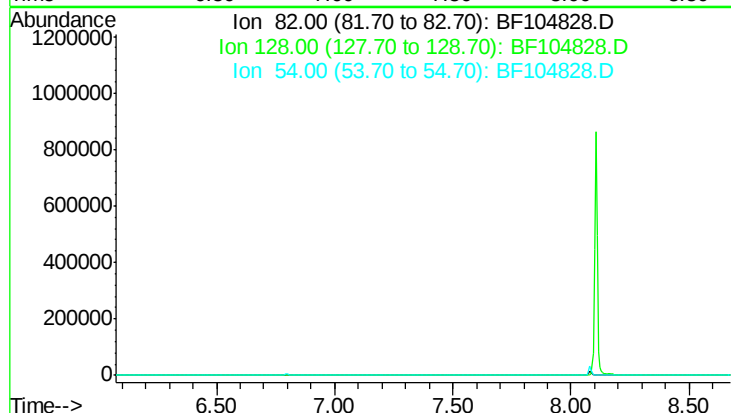
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.37 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-BOT-E-4DL

Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 45.1
 54 51.8

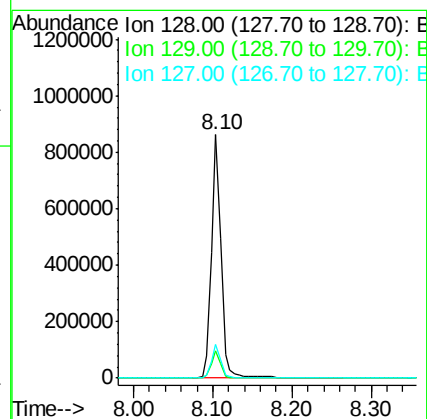
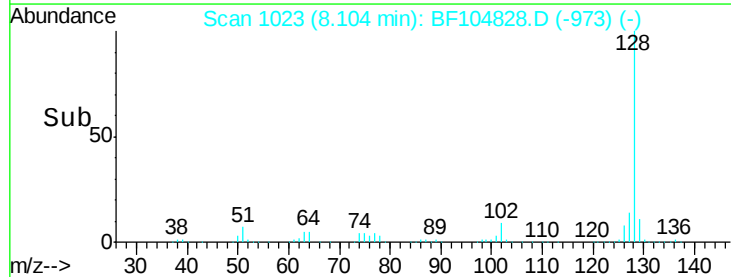
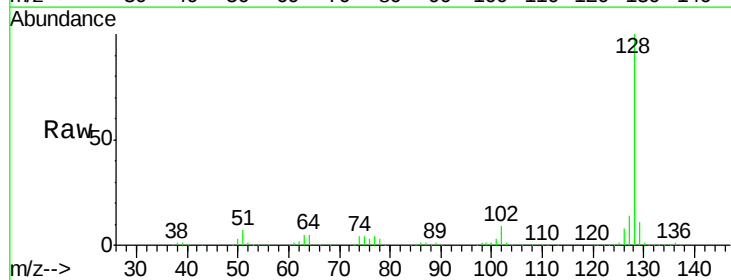
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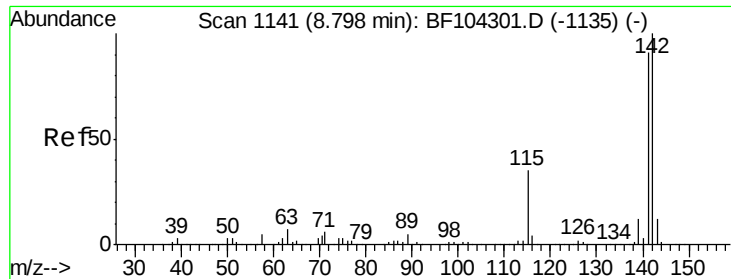
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#31
 Naphthalene
 Concen: 35.156 ng
 RT: 8.10 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Tgt Ion: 128 Resp: 736330
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.8 13.2
 127 13.6 10.9 16.3





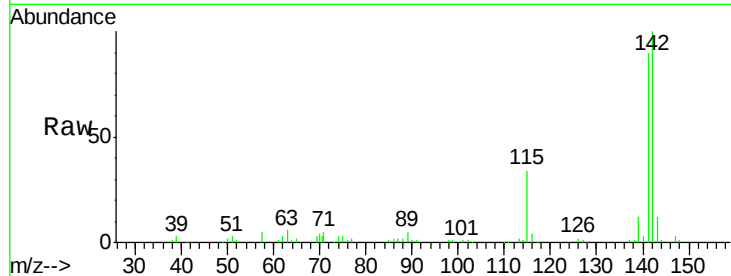
#37
2-Methylnaphthalene
Concen: 8.143 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

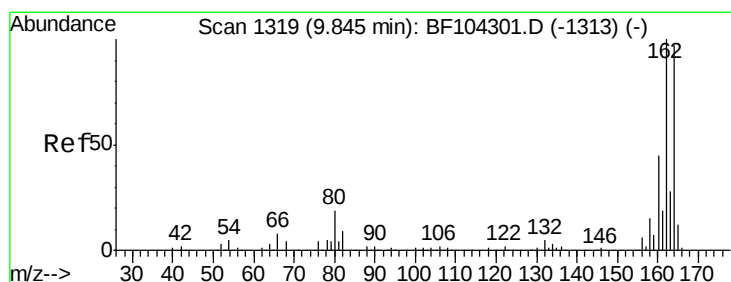
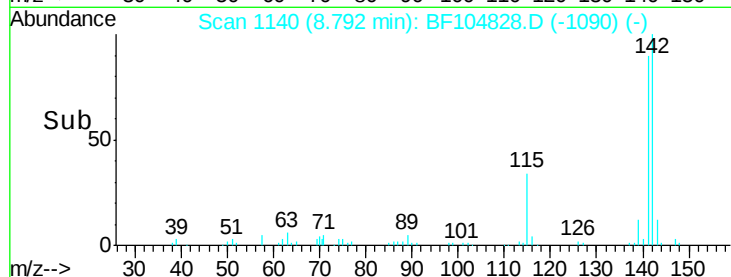
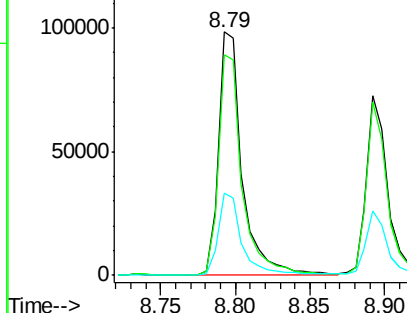
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	110325		
141	90.4	70.8	106.2	
115	33.7	26.1	39.1	

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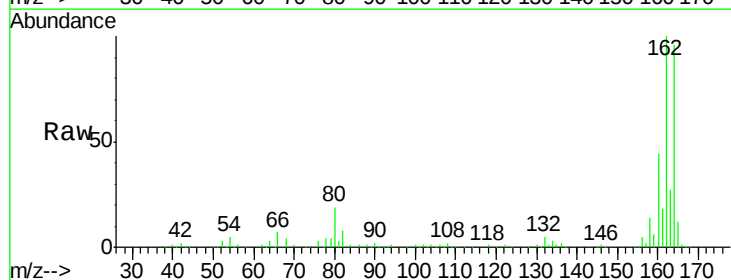


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

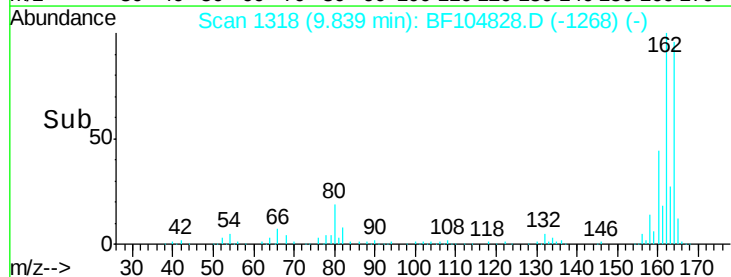
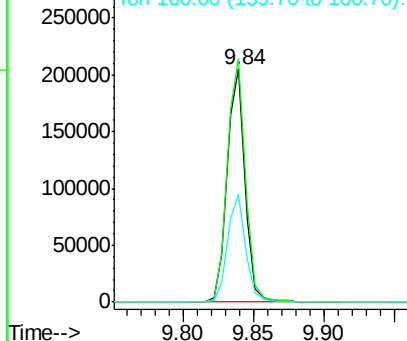


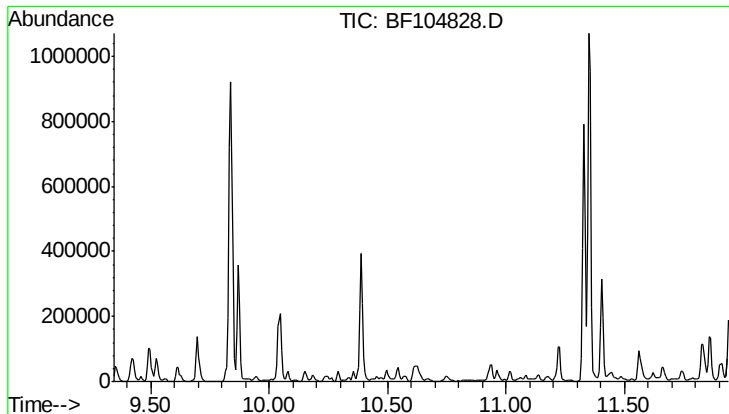
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180315		
162	104.4	86.1	129.1	
160	46.2	38.3	57.5	



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





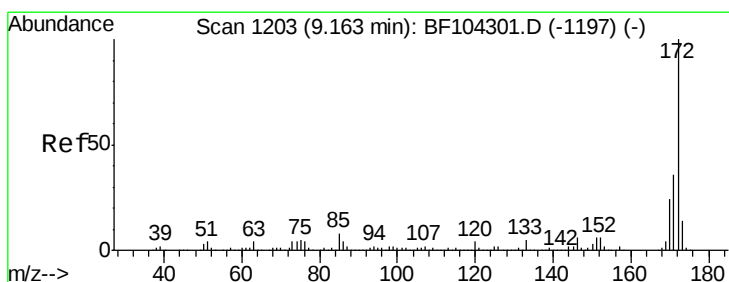
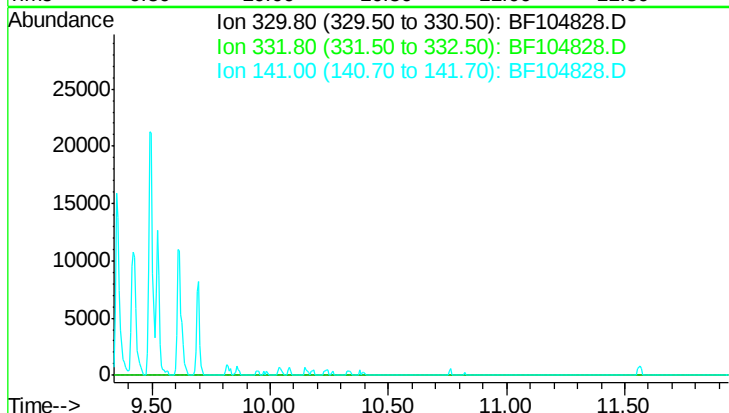
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.64 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.3
 141 37.4

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-BOT-E-4DL

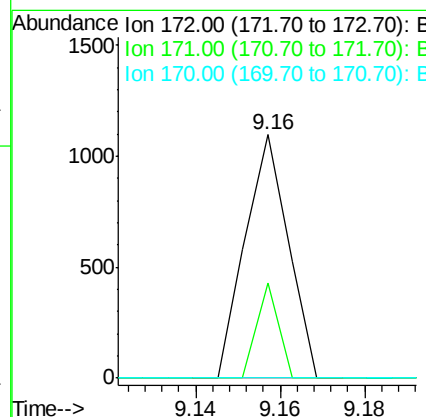
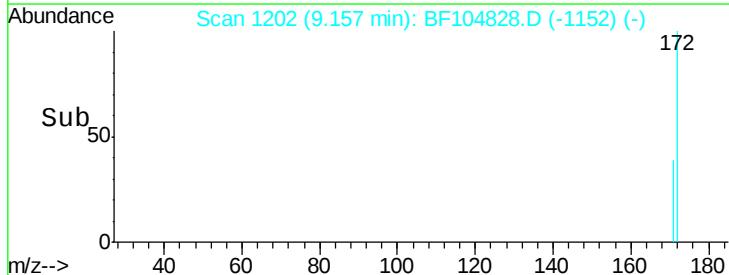
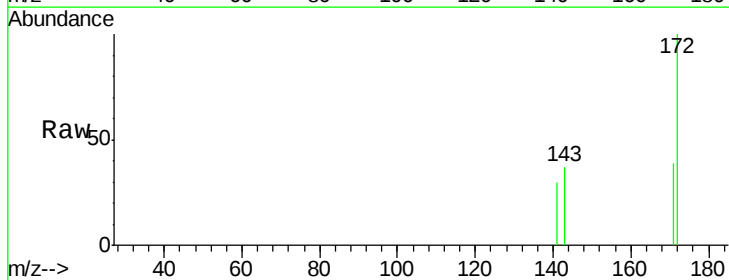
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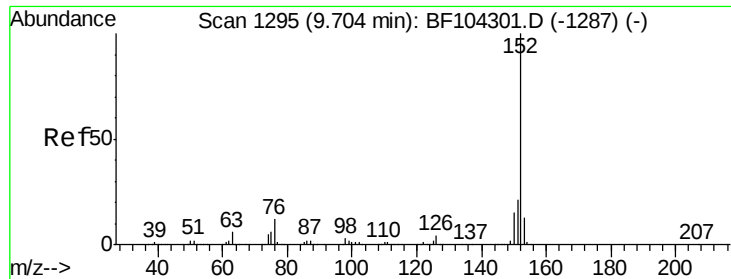
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#44
 2-Fluorobiphenyl
 Concen: 0.068 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Tgt Ion: 172 Resp: 777
 Ion Ratio Lower Upper
 172 100
 171 39.2 29.7 44.5
 170 0.0 19.6 29.4#





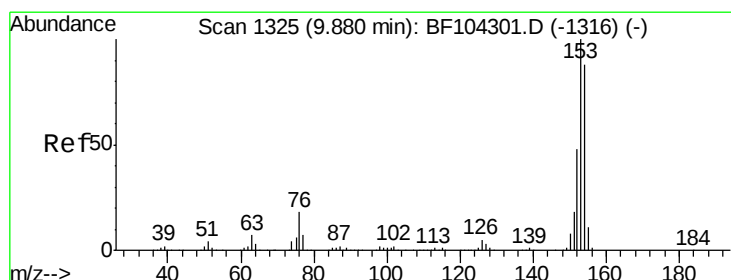
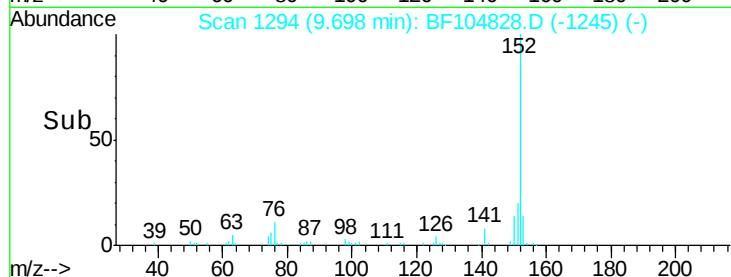
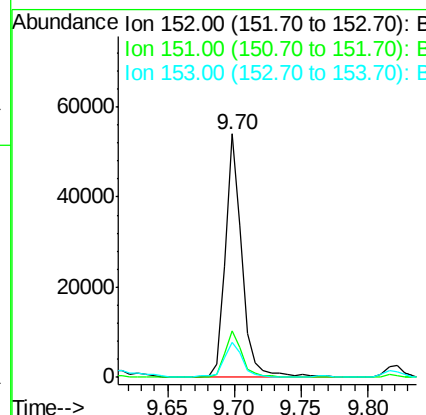
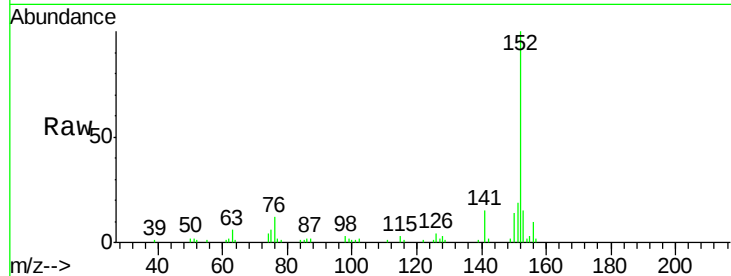
#48
Acenaphthylene
Concen: 2.548 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	14.5	10.7	16.1

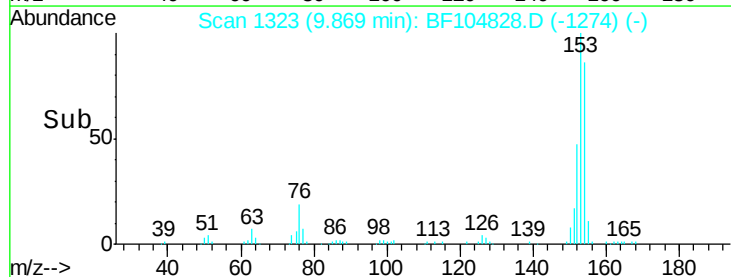
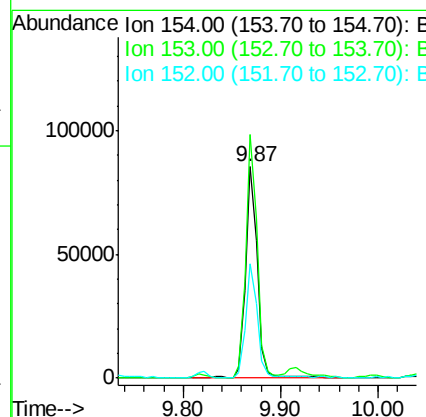
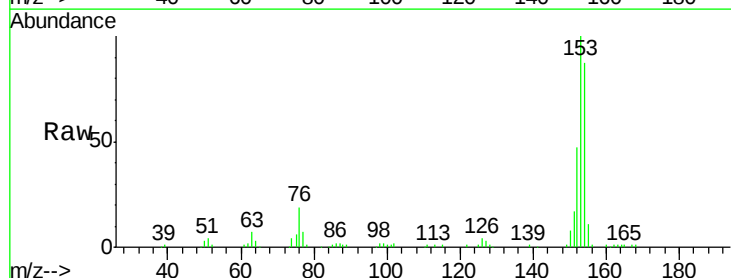
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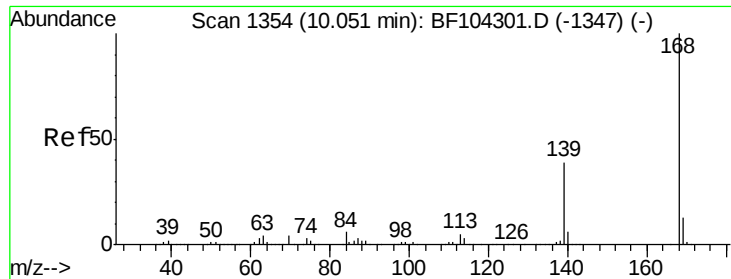
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#51
Acenaphthene
Concen: 6.298 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.2	136.8
152	54.1	43.8	65.8





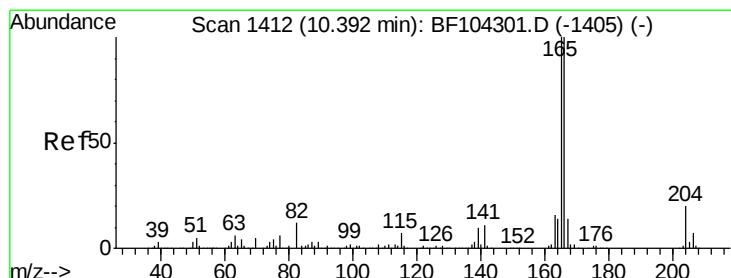
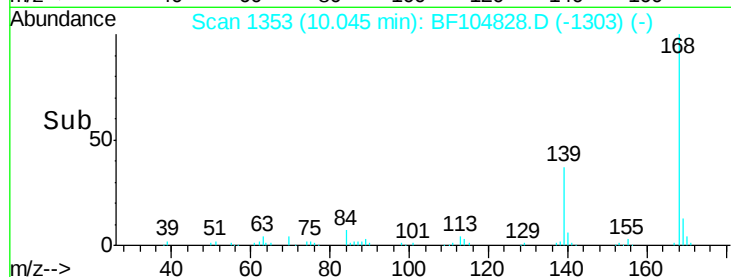
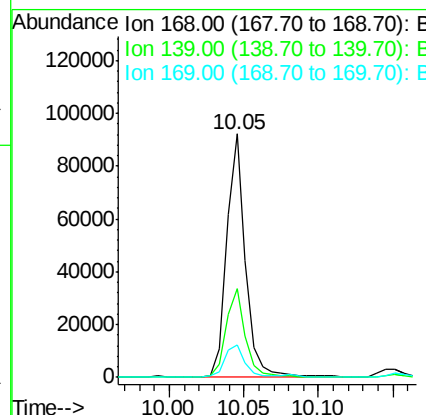
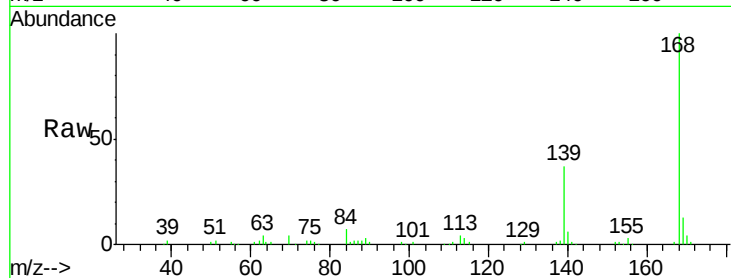
#54
Dibenzenofuran
Concen: 5.144 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	82102		
139	36.7		30.1	45.1
169	13.1		10.9	16.3

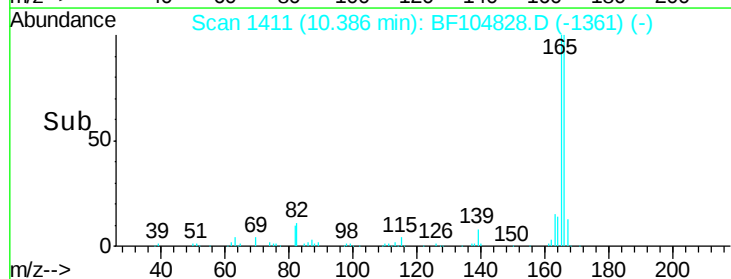
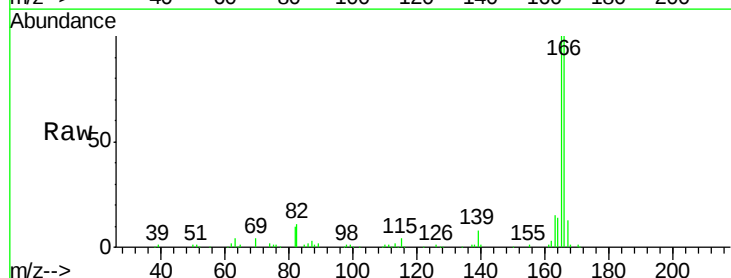
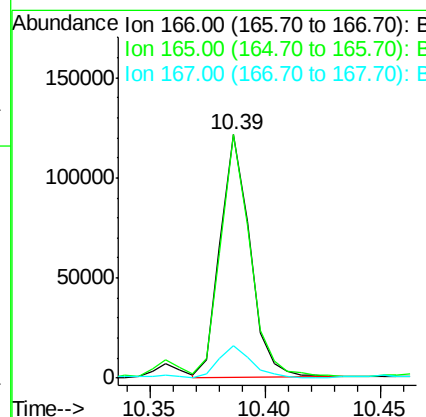
Manual Integrations
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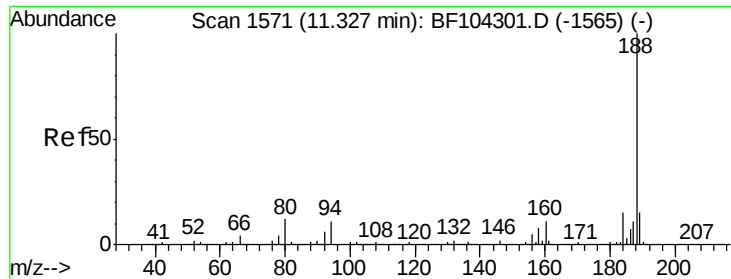
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#57
Fluorene
Concen: 9.280 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	107819		
165	100.1		79.8	119.8
167	13.4		10.6	16.0





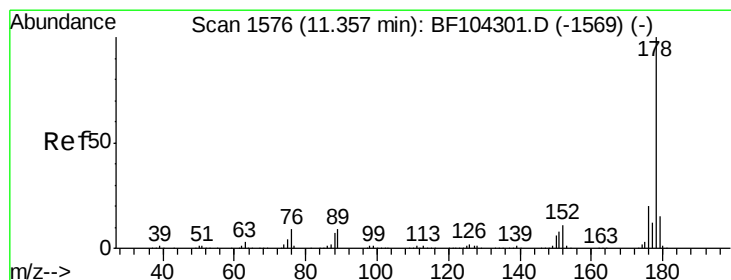
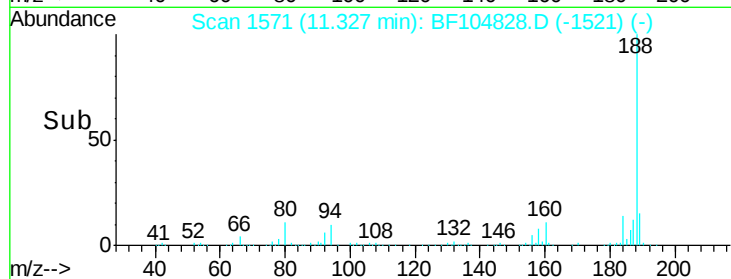
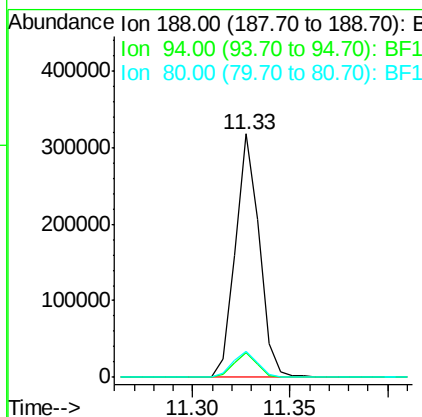
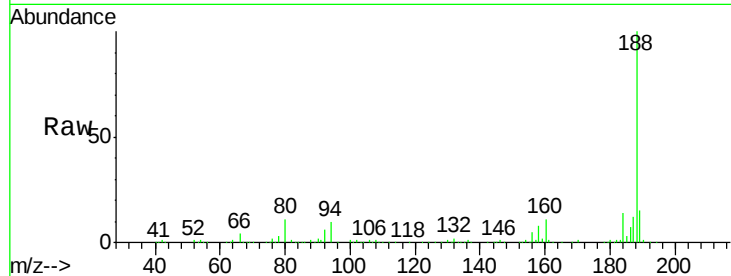
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	270350		
94	10.4	8.5	12.7	
80	10.6	9.2	13.8	

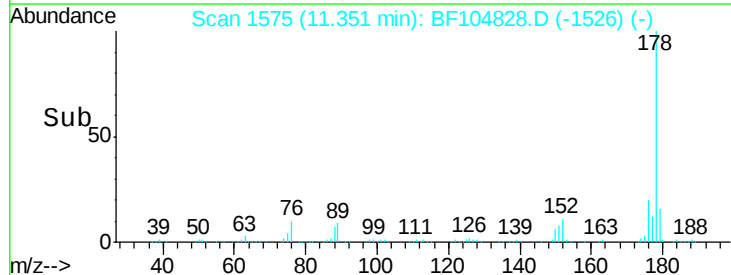
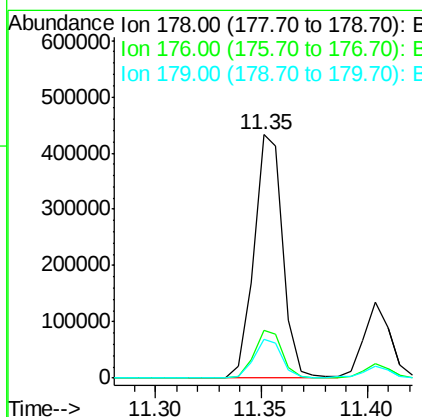
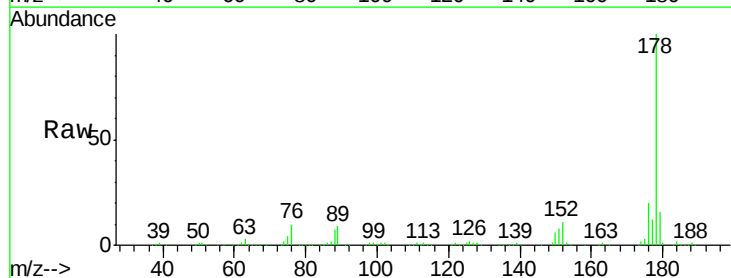
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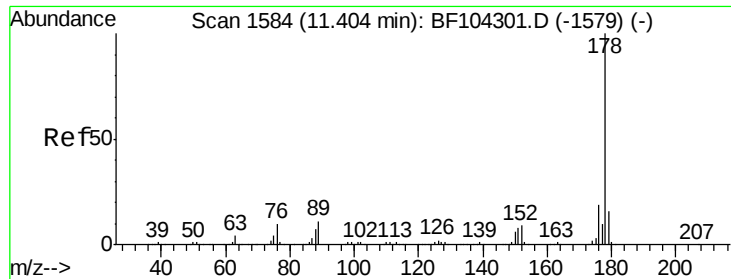
Sohil
4/26/2018 6:15:24 PM



#70
Phenanthrene
Concen: 27.331 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	411480		
176	19.6	15.8	23.8	
179	15.7	13.0	19.6	





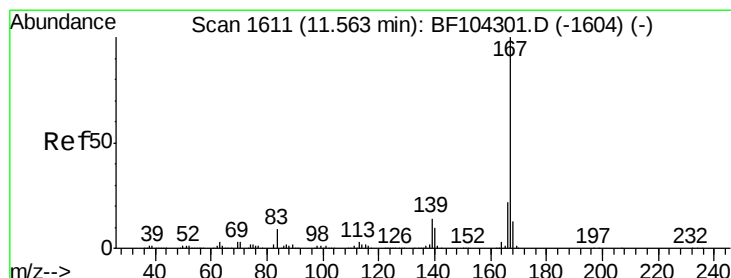
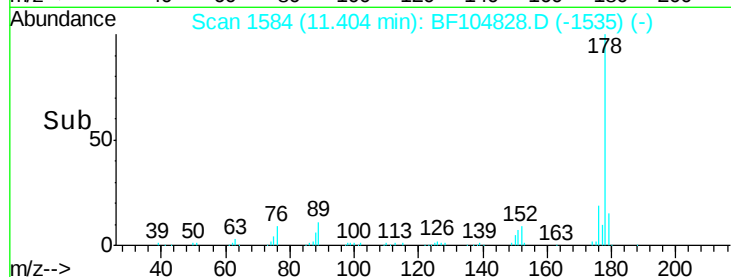
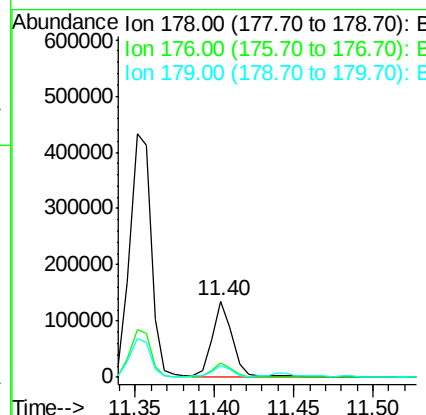
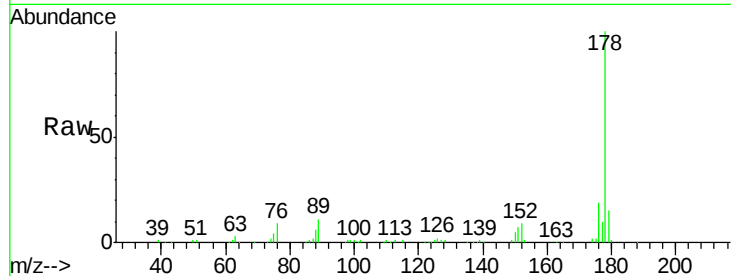
#71
 Anthracene
 Concen: 7.825 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.6	19.0

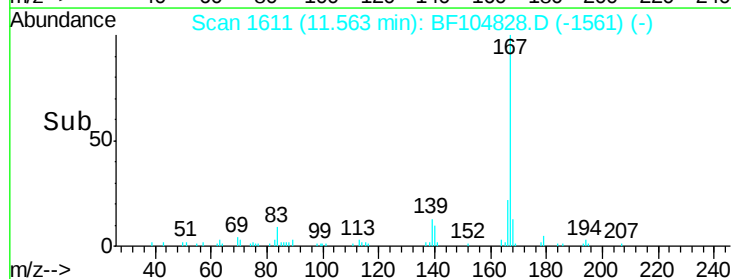
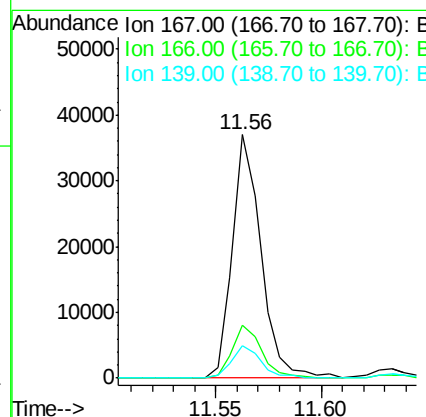
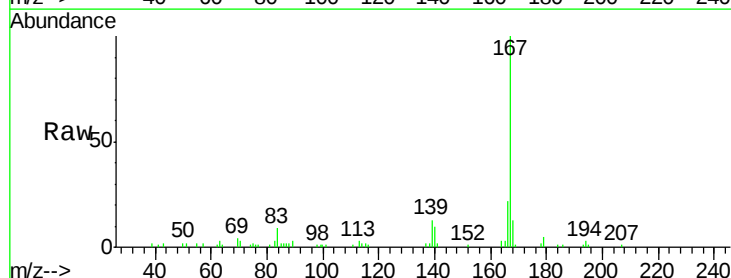
Manual Integrations
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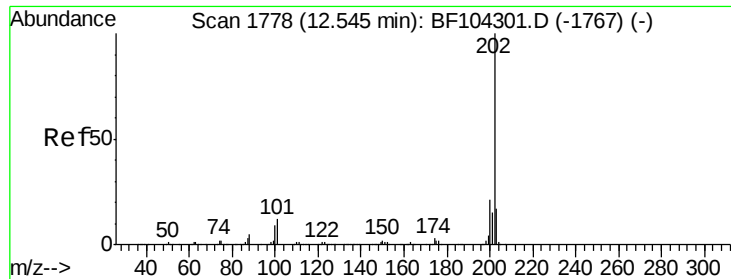
Sohil
 4/26/2018 6:15:24 PM



#72
 Carbazole
 Concen: 2.319 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.4	10.9	16.3





#74

Fluoranthene

Concen: 17.279 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Instrument :

BNA_F

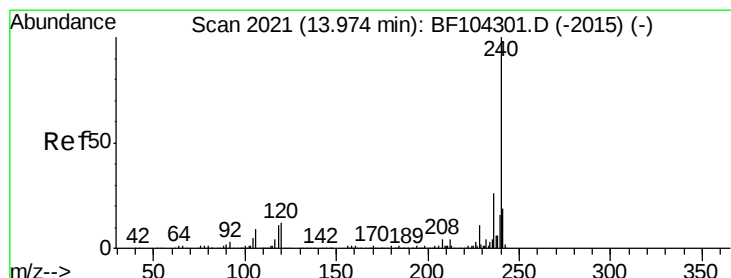
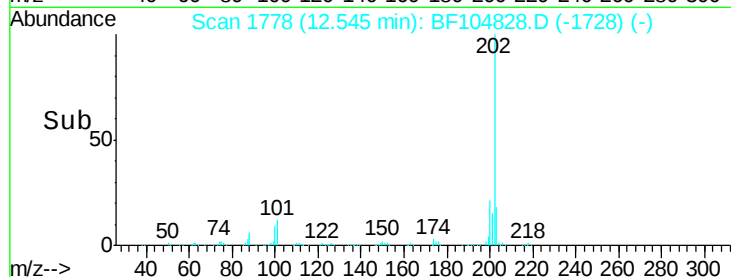
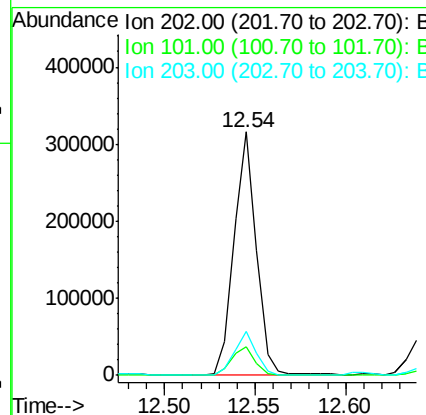
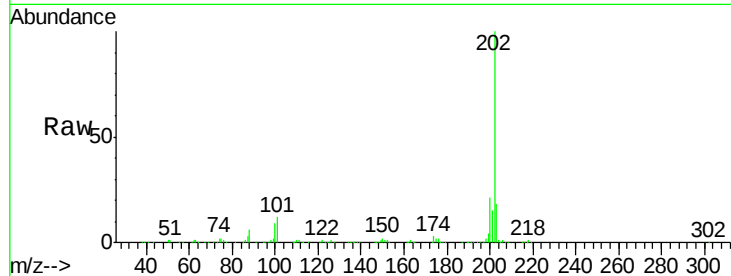
ClientSampleId :

A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	271798		
101	12.0	0.0	34.1	
203	18.1	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

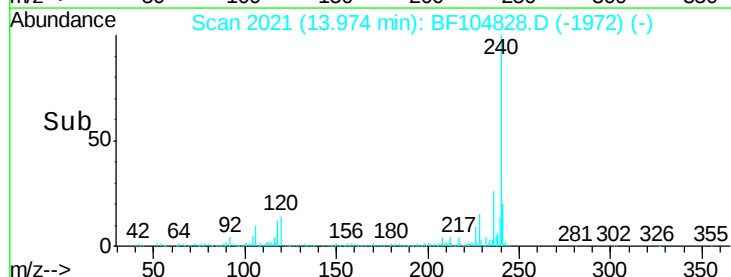
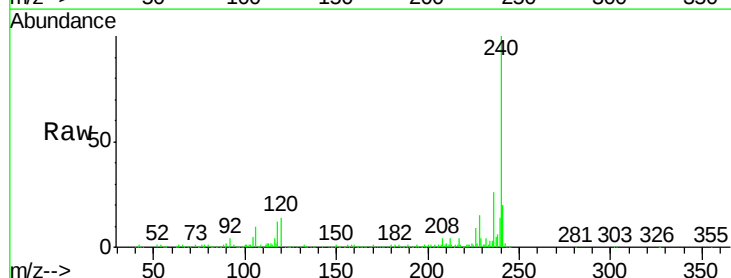
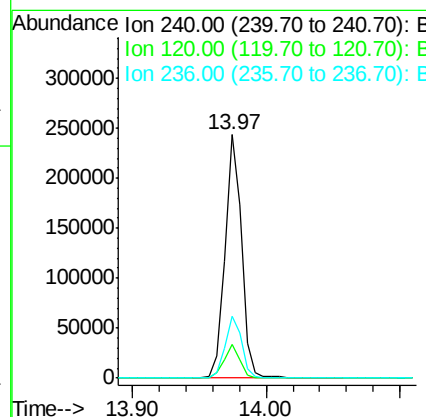
RT: 13.97 min Scan# 2021

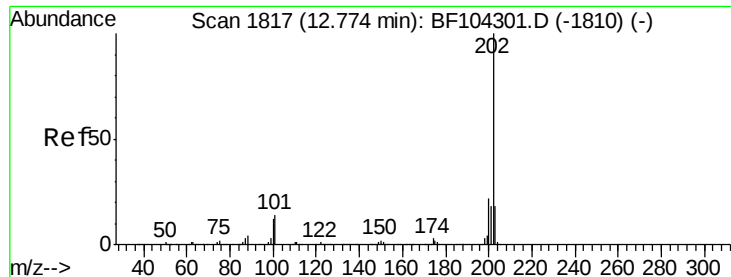
Delta R.T. -0.01 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	213765		
120	13.6	9.5	14.3	
236	25.5	20.7	31.1	





#77

Pyrene

Concen: 15.580 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Instrument :

BNA_F

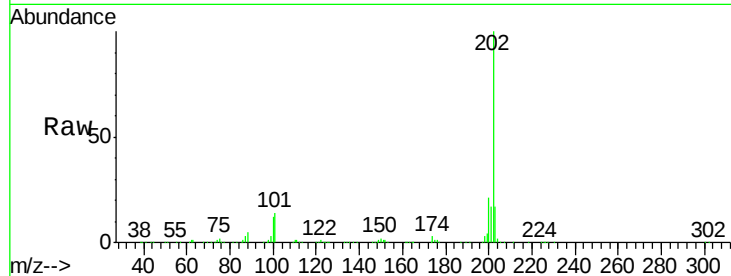
ClientSampleId :

A2-SB02-BOT-E-4DL

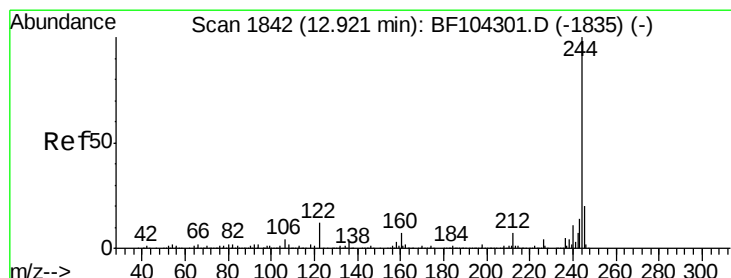
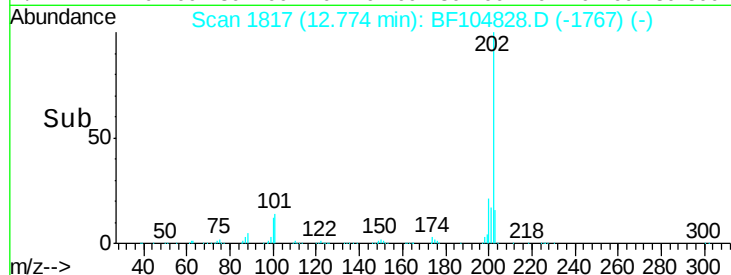
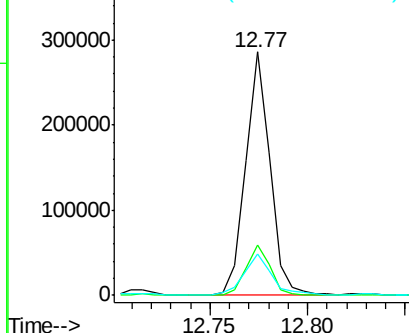
Tgt Ion:	202	Resp:	246870
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.1	14.3	21.5

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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: 0.112 ng

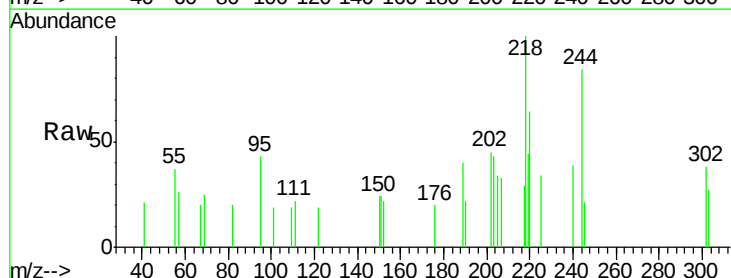
RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

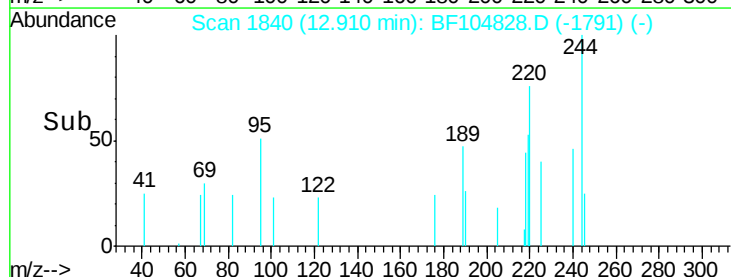
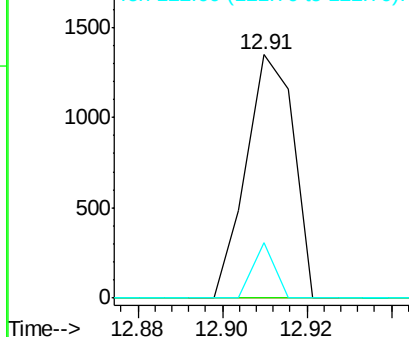
Lab File: BF104828.D

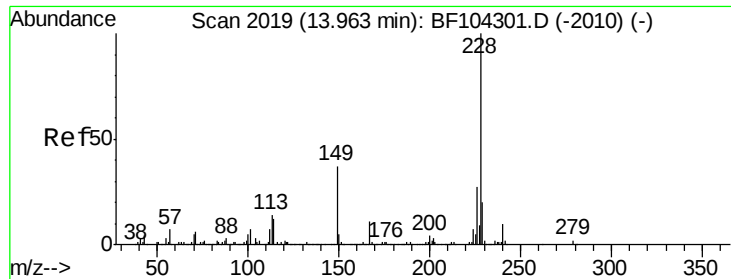
Acq: 26 Apr 2018 10:07

Tgt Ion:	244	Resp:	1054
Ion Ratio	Lower	Upper	
244	100		
212	0.0	5.4	8.0#
122	22.7	11.0	16.4#



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





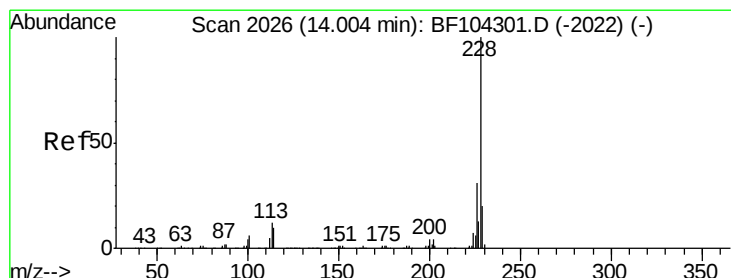
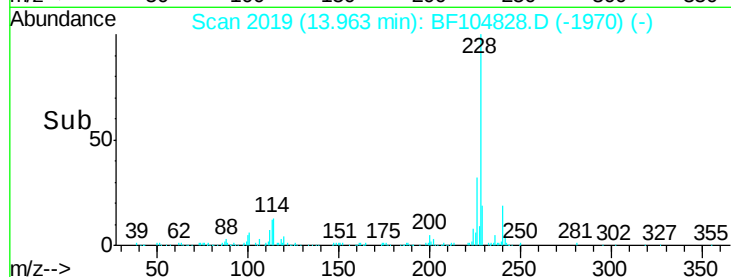
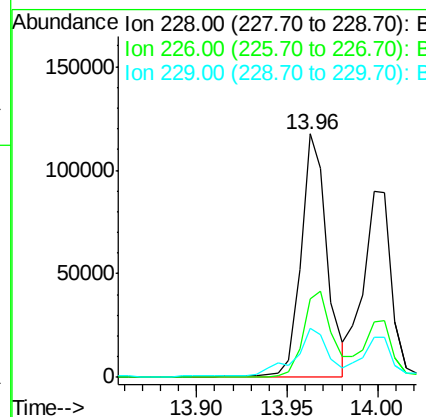
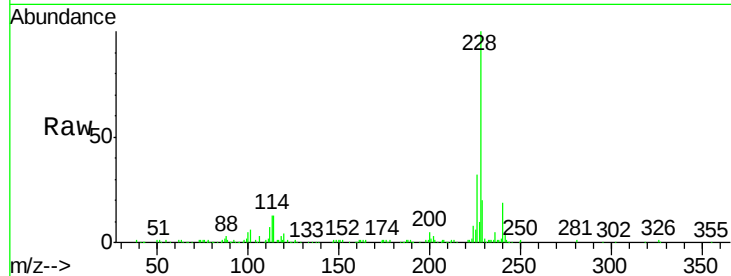
#80
Benzo(a)anthracene
Concen: 9.370 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	20.2	15.8	23.6

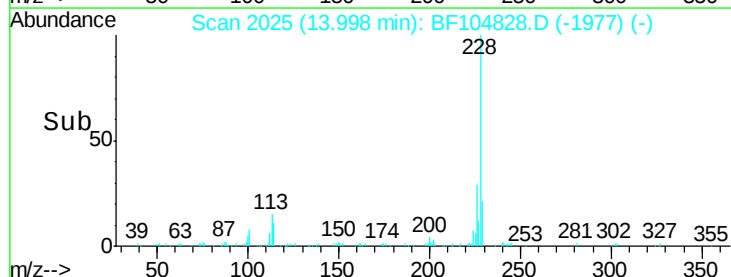
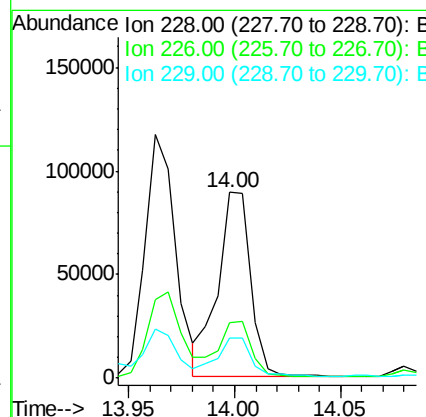
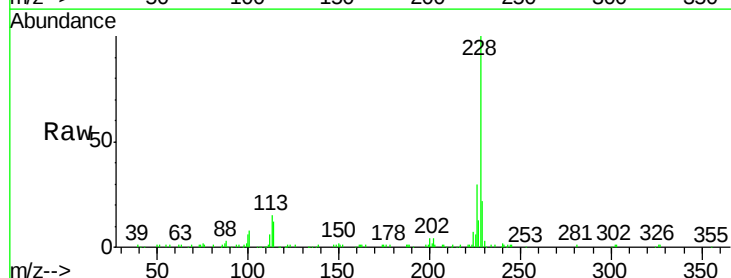
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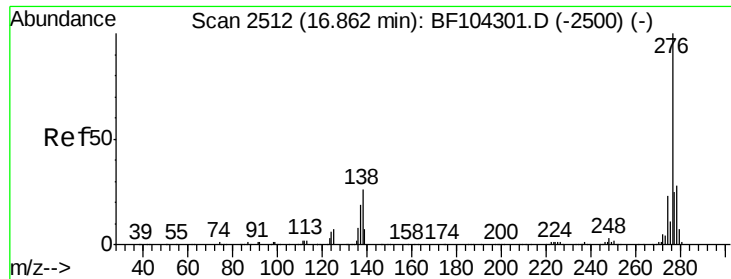
Sohil
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#82
Chrysene
Concen: 7.326 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.6	16.2	24.4





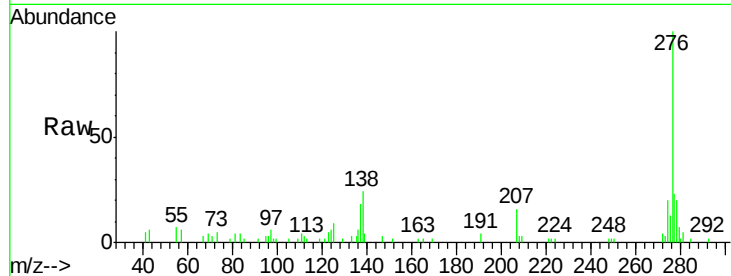
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.147 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.04 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB02-BOT-E-4DL

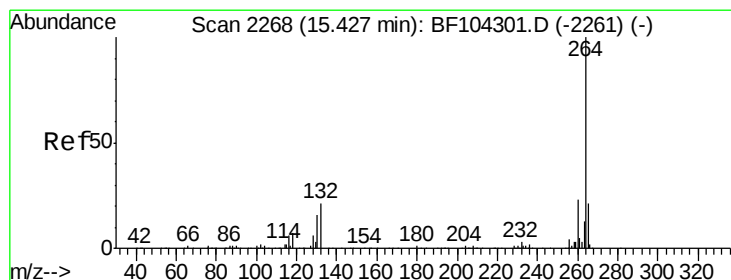
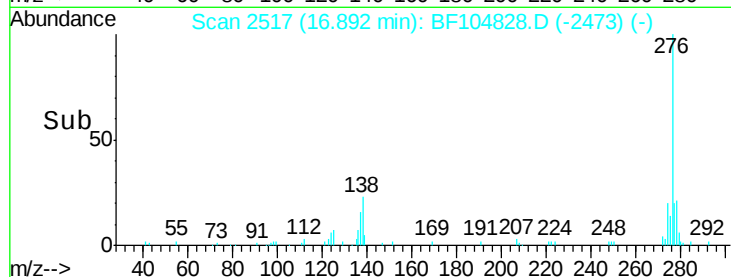
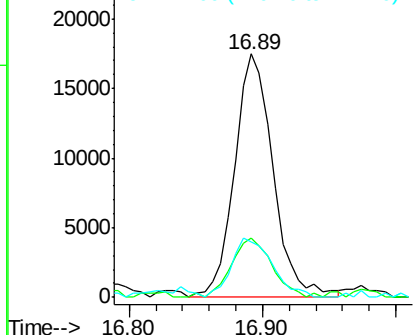
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	25.6	20.1	30.1

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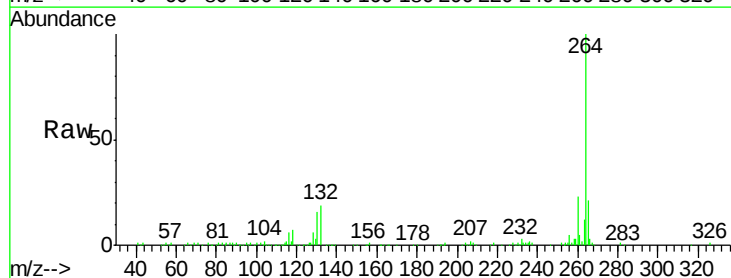


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

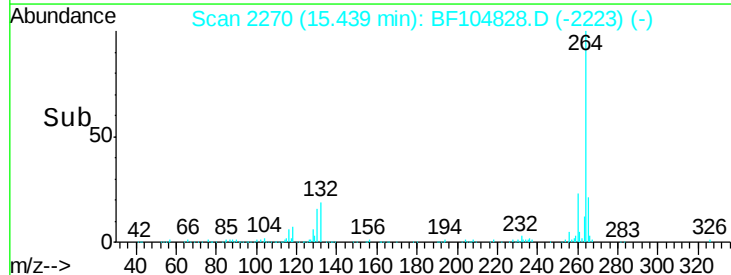
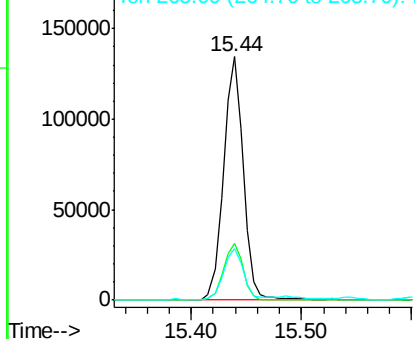


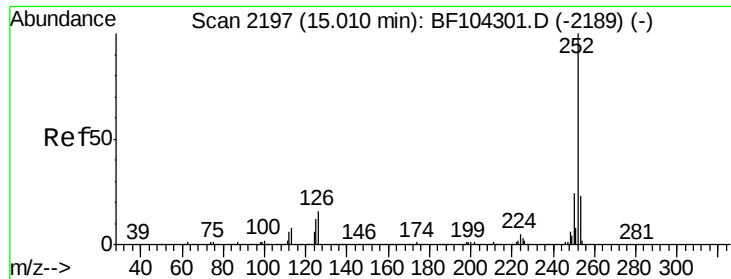
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF104828.D
 Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





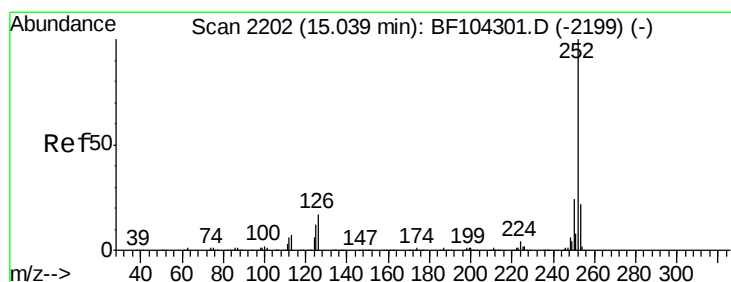
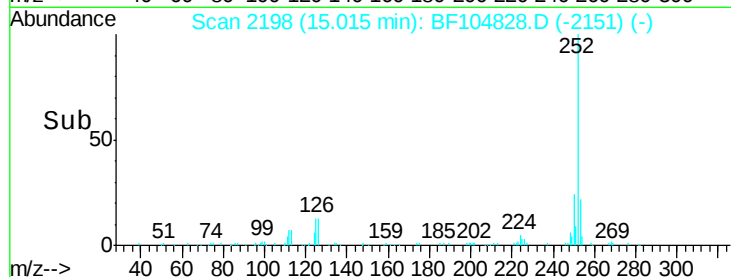
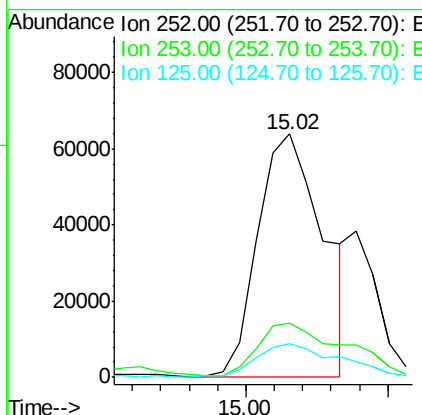
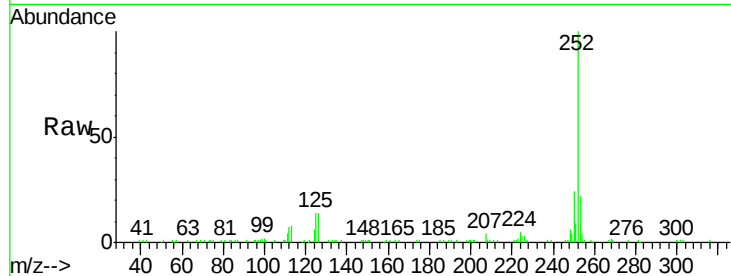
#87
Benzo(b)fluoranthene
Concen: 9.646 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Instrument :
BNA_F
ClientSampleId :
A2-SB02-BOT-E-4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.8	9.0	13.6

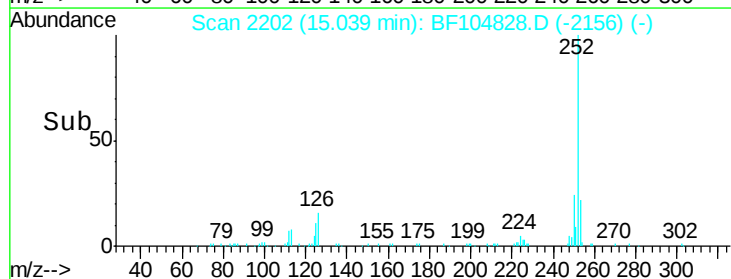
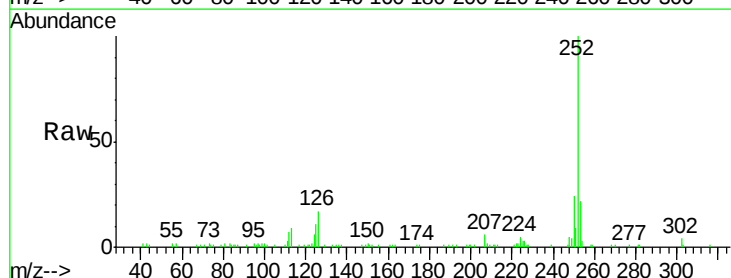
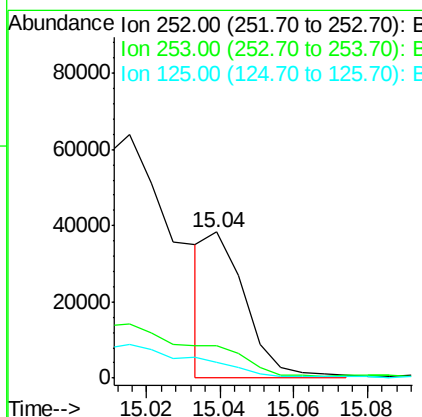
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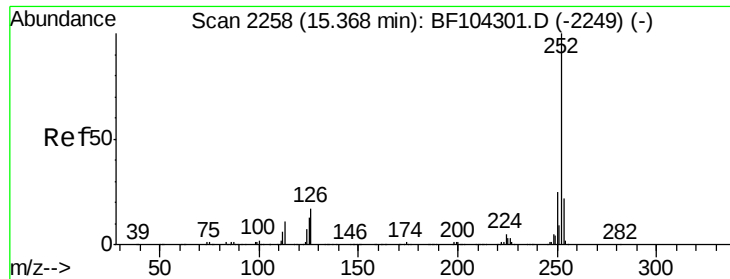
Sohil
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#88
Benzo(k)fluoranthene
Concen: 2.812 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF104828.D
Acq: 26 Apr 2018 10:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 7.797 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Instrument :

BNA_F

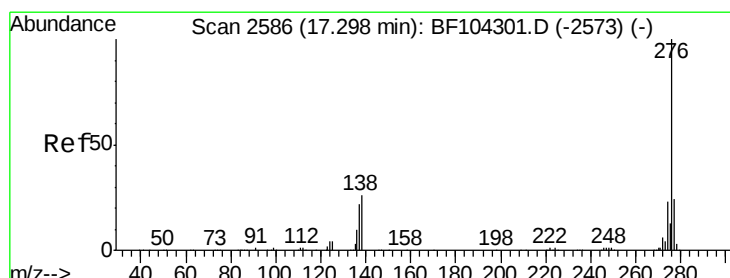
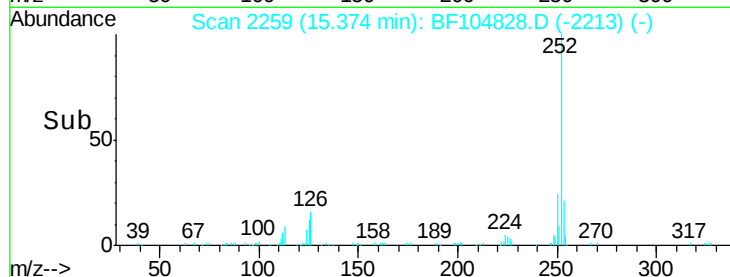
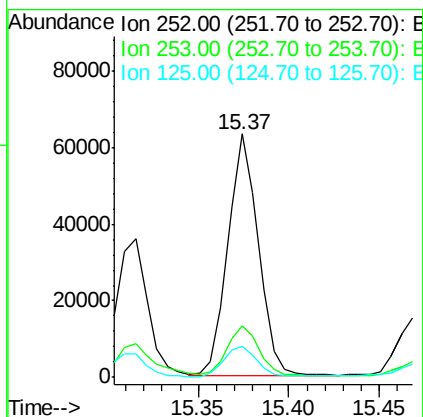
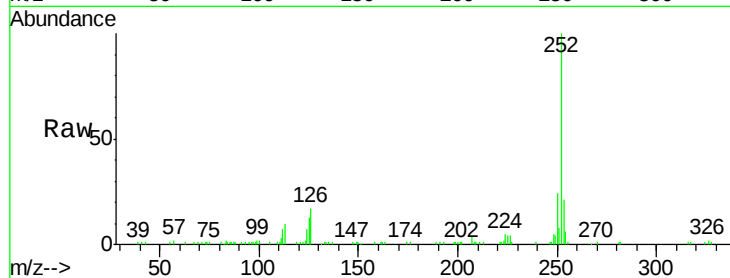
ClientSampleId :

A2-SB02-BOT-E-4DL

Tgt Ion:	252	Resp:	74401
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.1	25.7
125	12.8	9.8	14.6

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#91

Benzo(g,h,i)perylene

Concen: 4.173 ng m

RT: 17.33 min Scan# 2592

Delta R.T. -0.05 min

Lab File: BF104828.D

Acq: 26 Apr 2018 10:07

Tgt Ion:	276	Resp:	31682
Ion Ratio	Lower	Upper	
276	100		
277	27.3	17.9	26.9#
138	25.2	21.8	32.8

