

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\
 Data File : BF102698.D
 Acq On : 1 Feb 2018 20:42
 Operator : SJ/JU
 Sample : J1405-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-05(CB#1-LINE@5)

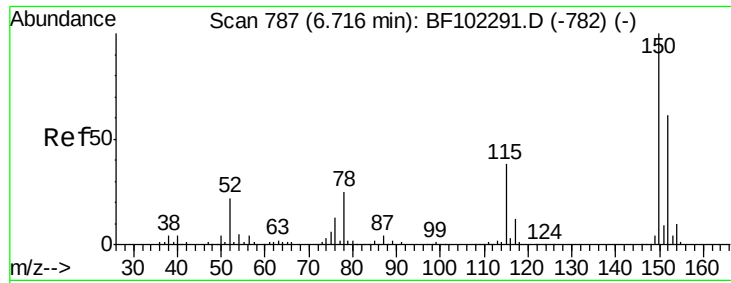
Manual Integrations
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Quant Time: Feb 02 01:34:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	140874	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	548097	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	211073	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	259180	20.00	ng	0.01
75) Chrysene-d12	13.92	240	117619	20.00	ng	0.05
86) Perylene-d12	15.41	264	136105	20.00	ng	0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	805016	86.65	ng	0.01
7) Phenol-d6	6.37	99	995774	88.90	ng	0.01
23) Nitrobenzene-d5	7.27	82	572736	60.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	142639	68.20	ng	0.01
44) 2-Fluorobiphenyl	9.06	172	908830	63.31	ng	0.00
78) Terphenyl-d14	12.84	244	377282	72.31	ng	0.03
Target Compounds						Qvalue
22) Acetophenone	7.09	105	30069	2.301	ng	# 53
31) Naphthalene	8.00	128	319507	11.675	ng	97
37) 2-Methylnaphthalene	8.70	142	534363	29.321	ng	99
45) 1,1'-Biphenyl	9.16	154	62039	3.287	ng	96
49) Dimethylphthalate	9.46	163	40870	2.343	ng	# 81
51) Acenaphthene	9.77	154	121445	9.098	ng	93
54) Dibenzofuran	9.95	168	124913	6.915	ng	# 61
56) 2,4-Dinitrotoluene	9.95	165	24970	5.398	ng	# 54
57) Fluorene	10.29	166	152429	10.649	ng	# 97
61) 4-Nitroaniline	10.19	138	14434	3.251	ng	87
70) Phenanthrene	11.26	178	861470	57.040	ng	99
71) Anthracene	11.32	178	159449m	10.343	ng	
72) Carbazole	11.48	167	83522	5.554	ng	# 64
74) Fluoranthene	12.47	202	619791	40.243	ng	97
77) Pyrene	12.70	202	591941m	65.092	ng	
80) Benzo(a)anthracene	13.91	228	212496	29.345	ng	# 76
82) Chrysene	13.94	228	200370	27.248	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.68	276	27481	4.525	ng	# 78
91) Benzo(a,h,i)perylene	17.26	276	160567	25.232	ng	# 83

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



#1

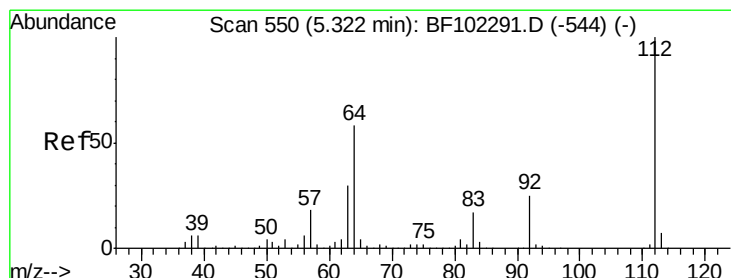
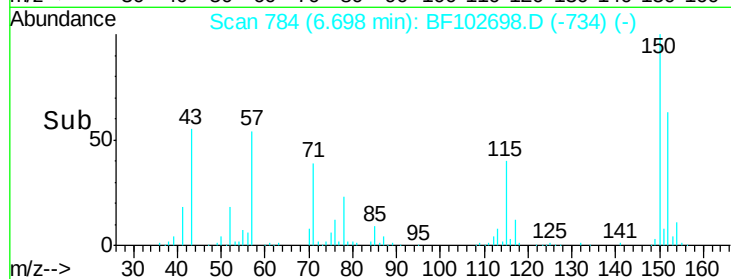
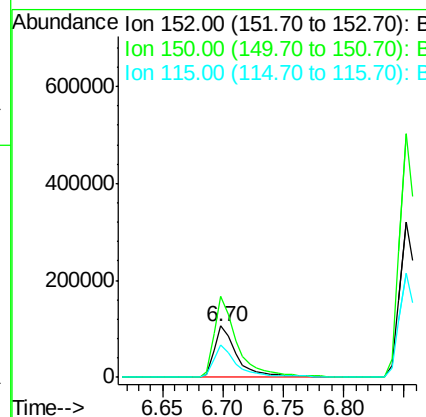
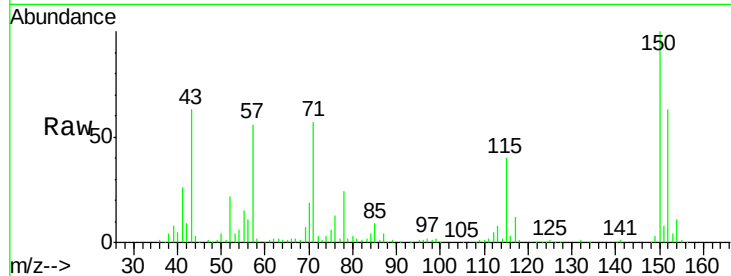
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Instrument :
BNA_F
ClientSampleId :
TP-05(CB#1-LINE@5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	64.6	50.1	75.1

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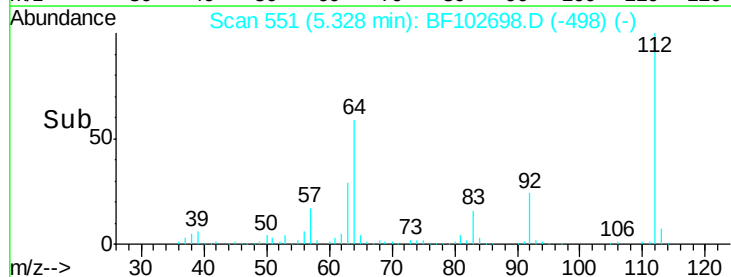
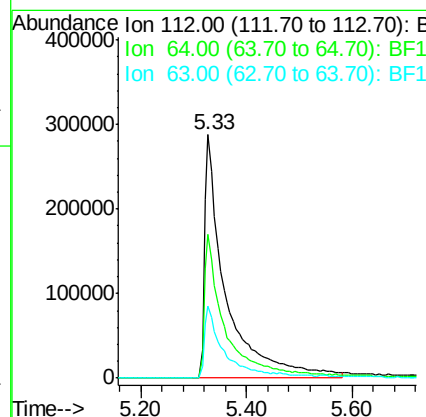
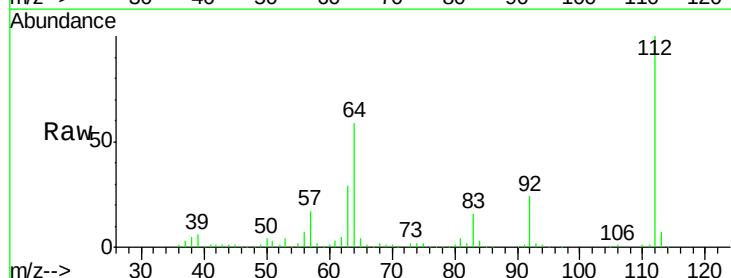
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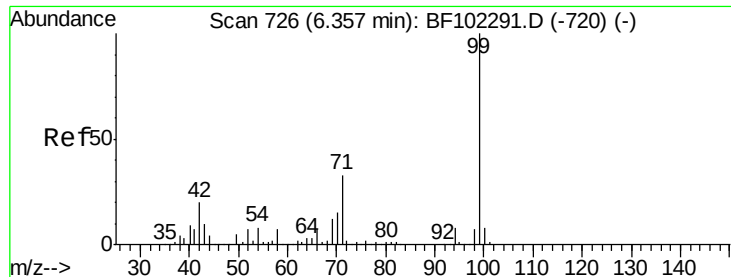


#5

2-Fluorophenol
Concen: 86.646 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 88.900 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

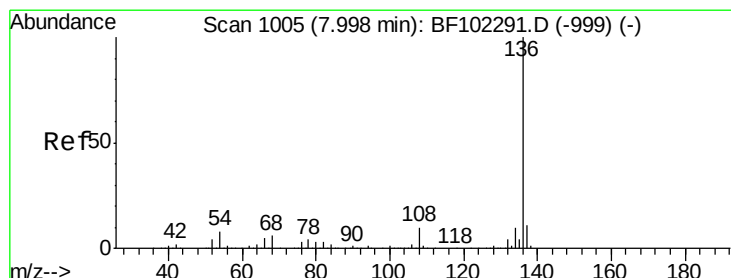
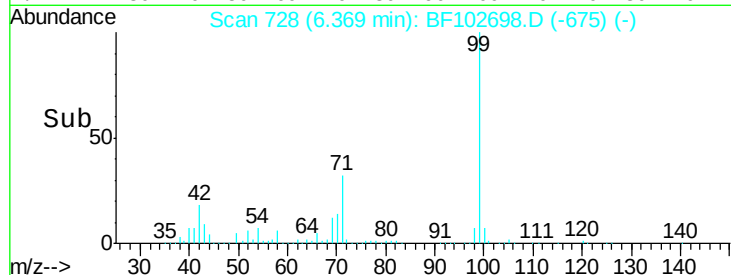
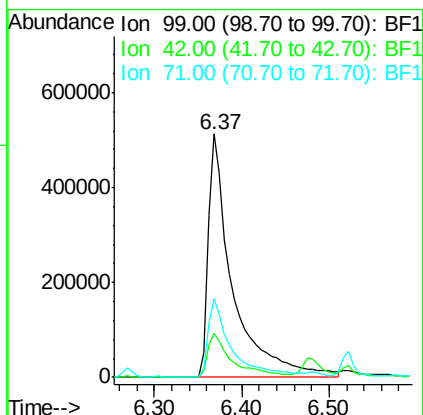
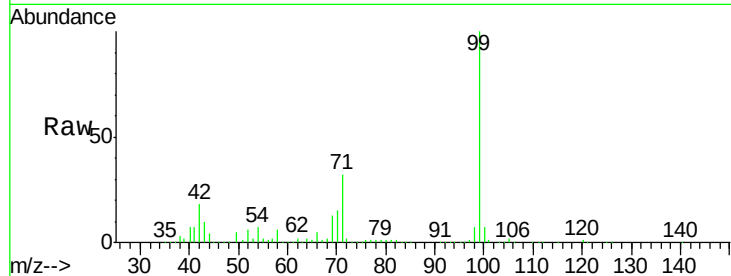
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:	99	Resp:	995774
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	32.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

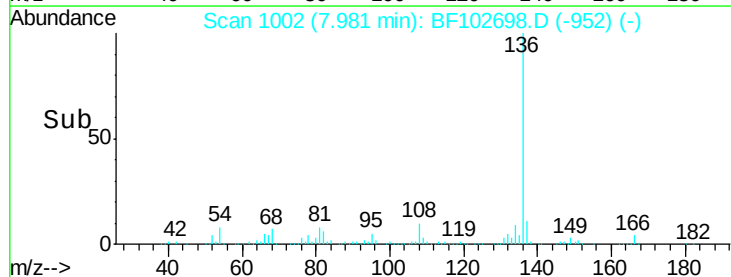
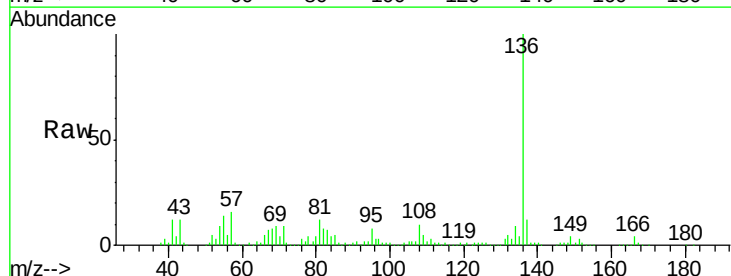
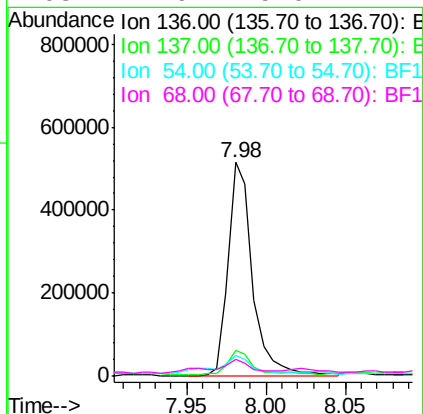
RT: 7.98 min Scan# 1002

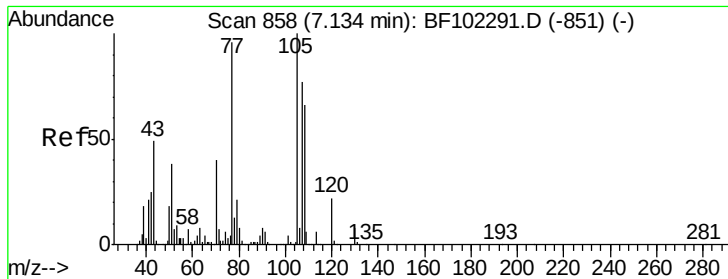
Delta R.T. -0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:	136	Resp:	548097
Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	9.4	6.6	9.8
68	7.9	5.0	7.4#





#22

Acetophenone

Concen: 2.301 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.04 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

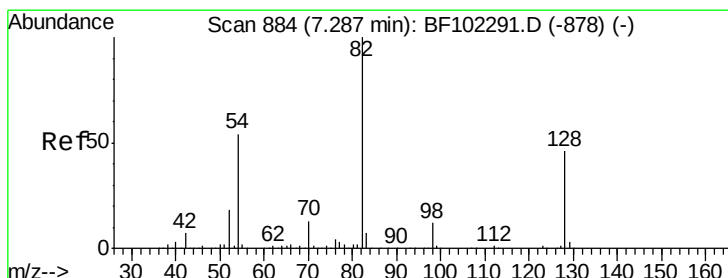
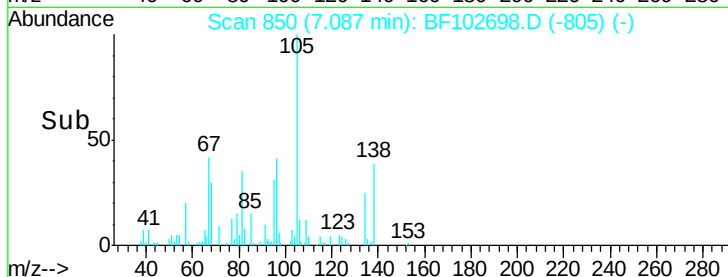
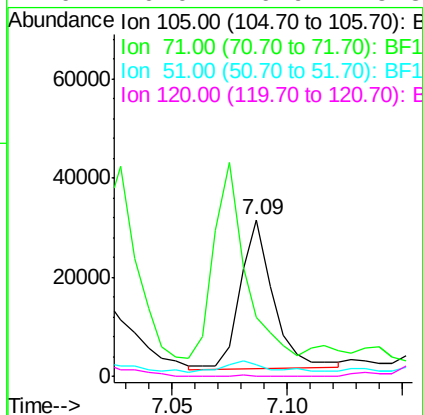
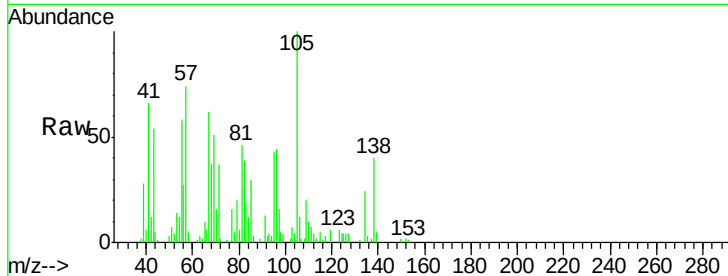
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:	105	Resp:	30069
Ion Ratio	Lower	Upper	
105	100		
71	37.3	4.4	6.6#
51	7.4	22.3	33.5#
120	0.0	16.9	25.3#

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#23

Nitrobenzene-d5

Concen: 60.050 ng

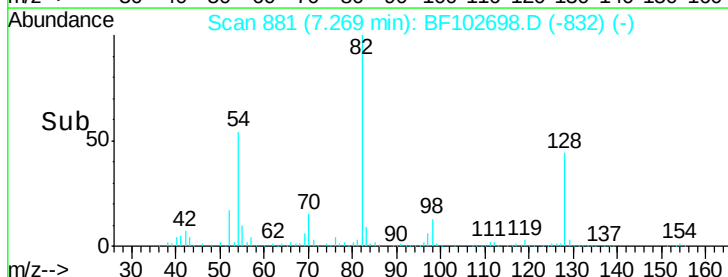
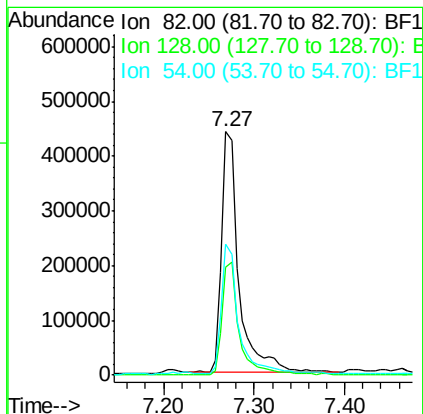
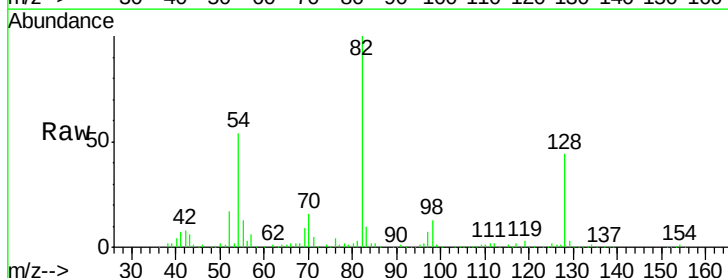
RT: 7.27 min Scan# 881

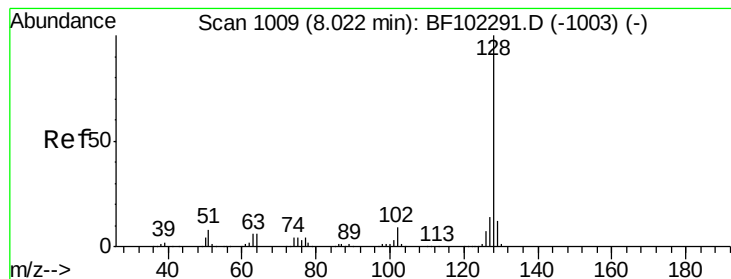
Delta R.T. -0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:	82	Resp:	572736
Ion Ratio	Lower	Upper	
82	100		
128	44.2	36.1	54.1
54	53.9	41.4	62.2





#31

Naphthalene

Concen: 11.675 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

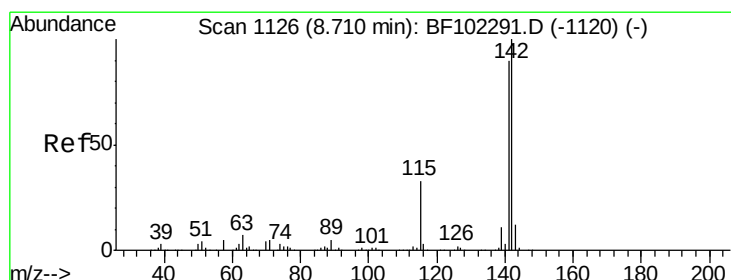
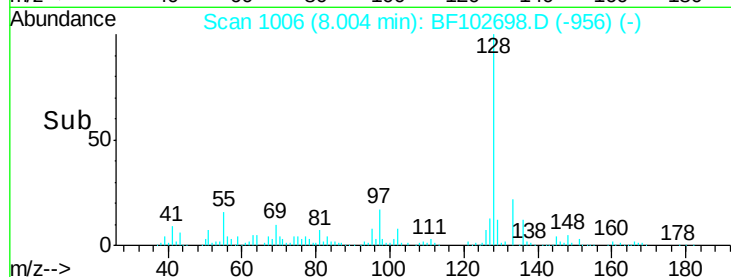
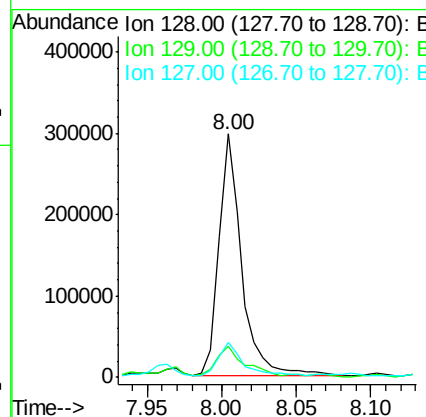
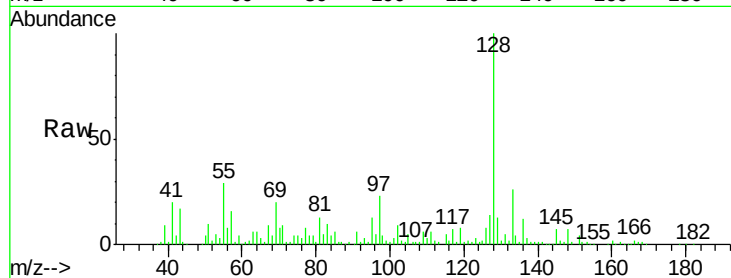
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:	128	Resp:	319507
Ion Ratio		Lower	Upper
128	100		
129	12.8	8.8	13.2
127	14.2	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 29.321 ng

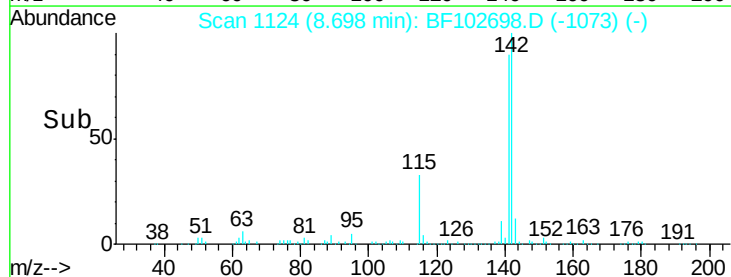
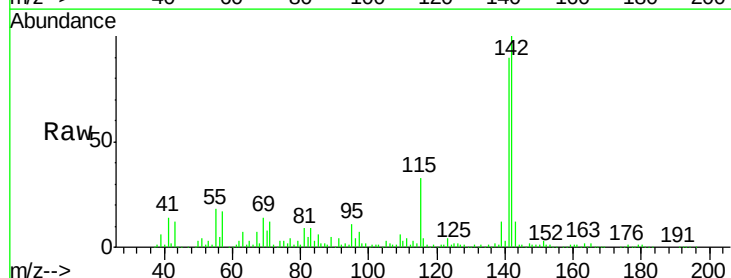
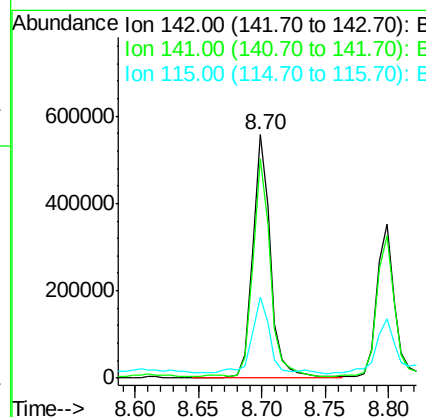
RT: 8.70 min Scan# 1124

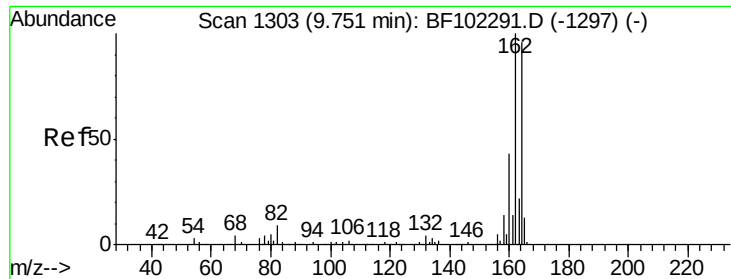
Delta R.T. 0.00 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:	142	Resp:	534363
Ion Ratio		Lower	Upper
142	100		
141	90.1	70.8	106.2
115	33.1	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

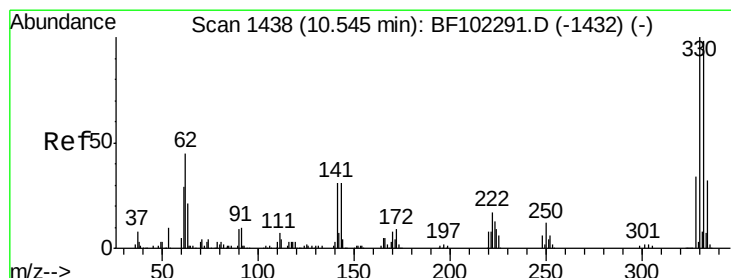
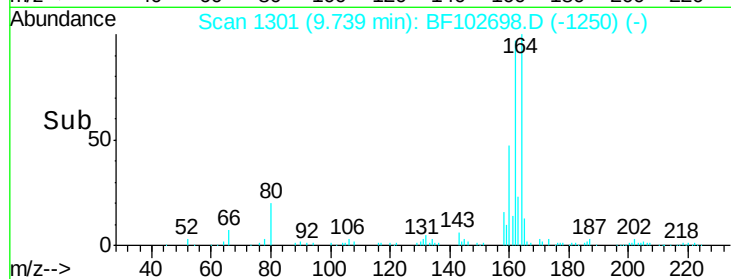
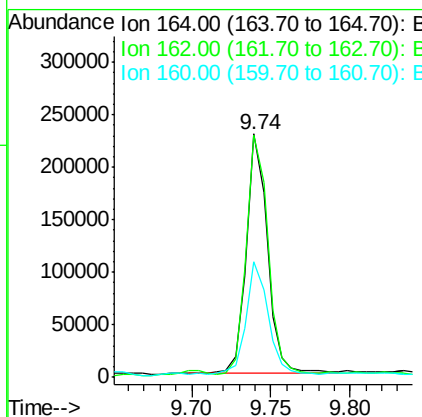
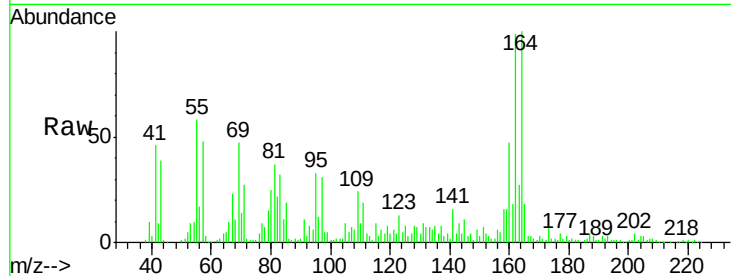
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:	164	Resp:	211073
Ion Ratio	Lower	Upper	
164	100		
162	99.4	86.1	129.1
160	47.5	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 68.202 ng

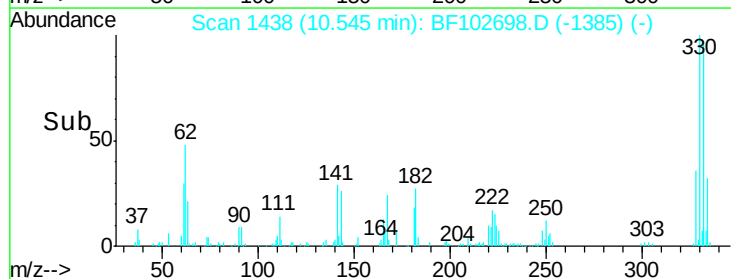
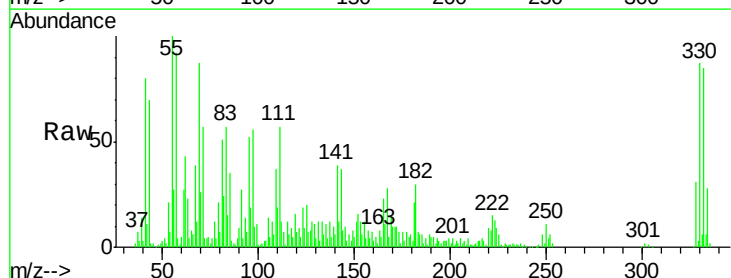
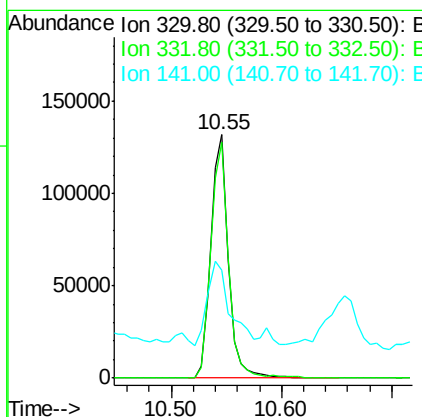
RT: 10.55 min Scan# 1438

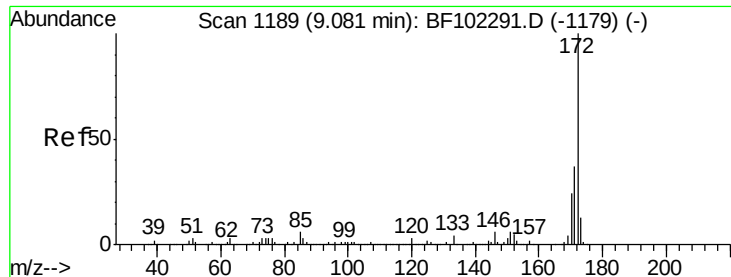
Delta R.T. 0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:	330	Resp:	142639
Ion Ratio	Lower	Upper	
330	100		
332	98.0	77.0	115.6
141	43.7	29.9	44.9





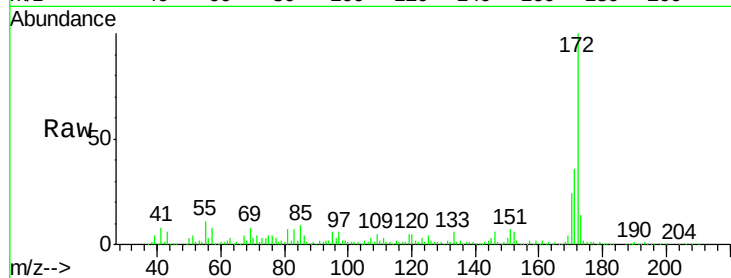
#44
2-Fluorobiphenyl
Concen: 63.310 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Instrument :
BNA_F
ClientSampleId :
TP-05(CB#1-LINE@5)

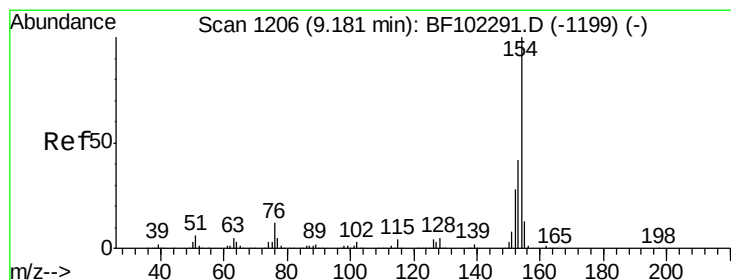
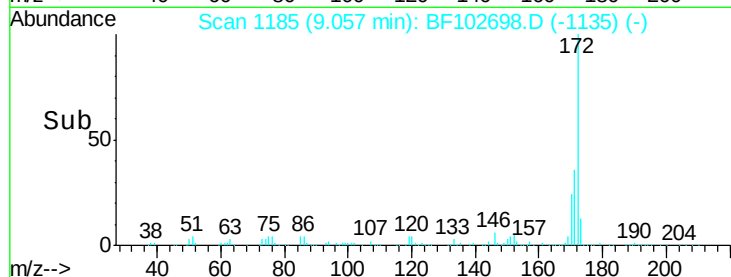
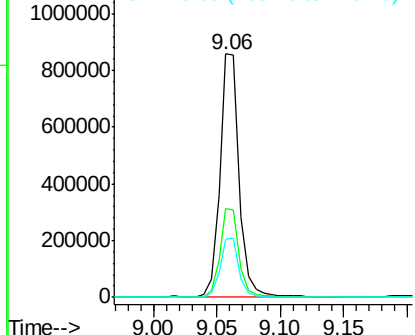
Tot Ion:	172	Resp:	908830
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	23.9	19.6	29.4

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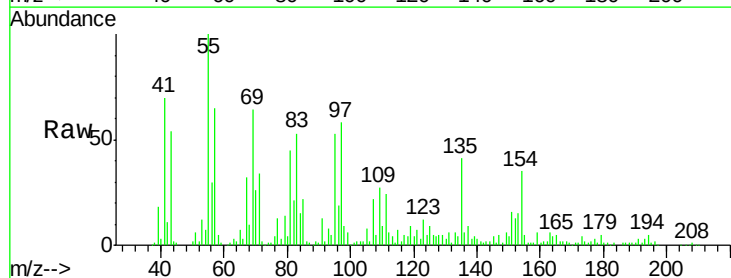


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

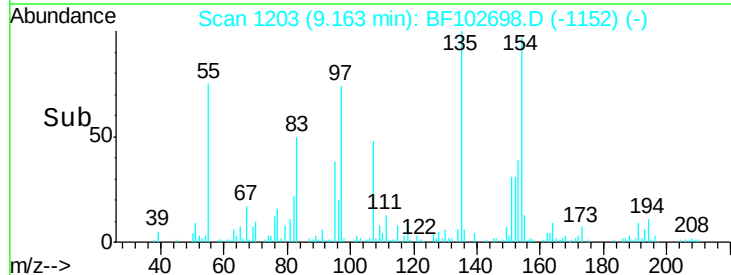
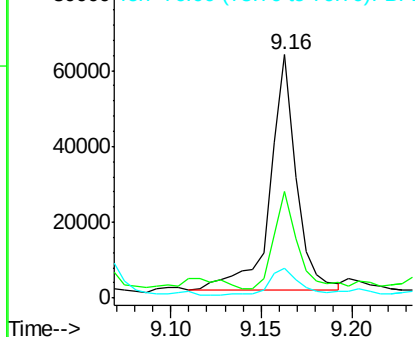


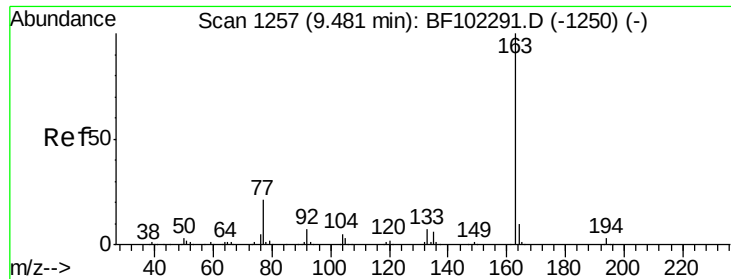
#45
1,1'-Biphenyl
Concen: 3.287 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Tgt Ion:	154	Resp:	62039
Ion Ratio	Lower	Upper	
154	100		
153	43.8	21.3	61.3
76	12.4	0.0	34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





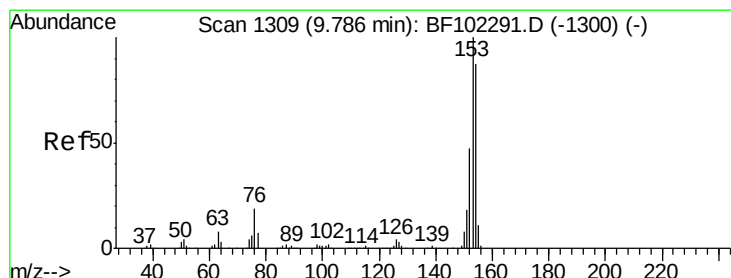
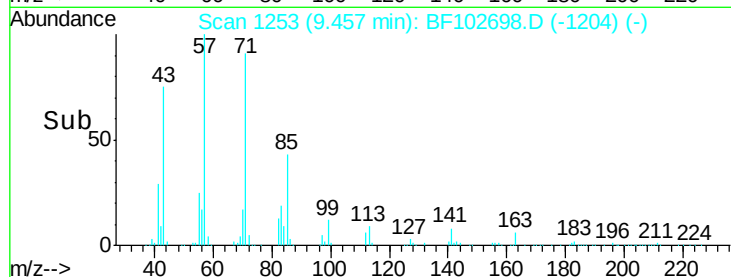
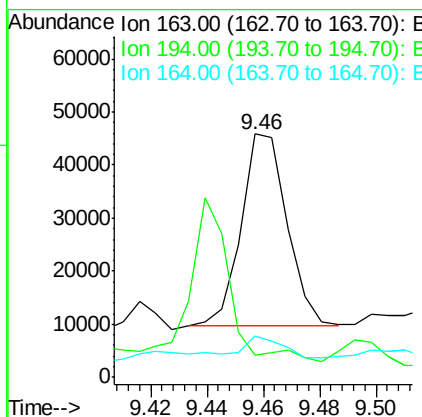
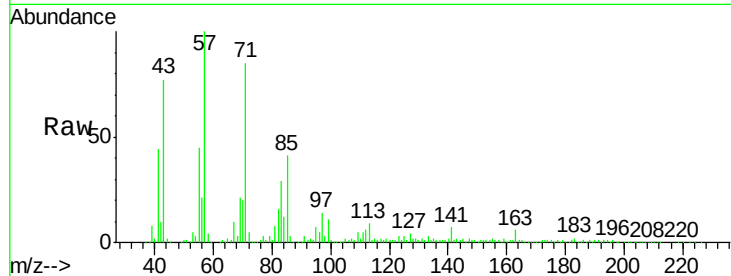
#49
Dimethylphthalate
Concen: 2.343 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Instrument :
BNA_F
ClientSampleId :
TP-05(CB#1-LINE@5)

Tot Ion	Ratio	Lower	Upper
163	100		
194	9.2	2.7	4.1#
164	17.2	8.2	12.2#

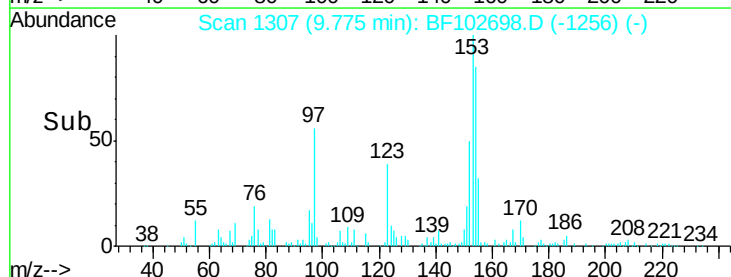
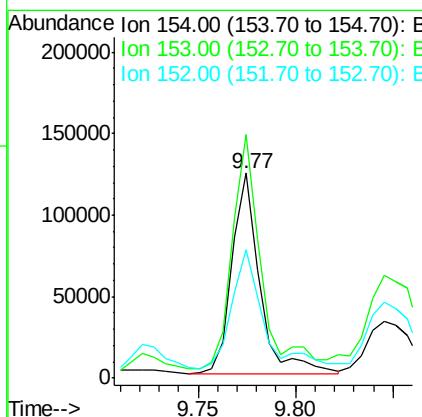
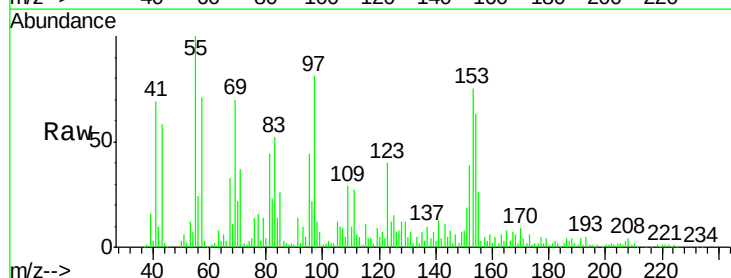
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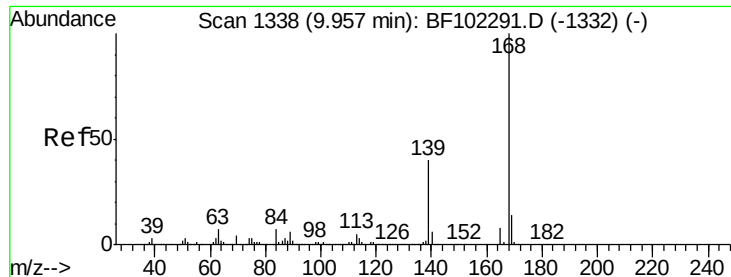
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#51
Acenaphthene
Concen: 9.098 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	119.0	91.2	136.8
152	62.8	43.8	65.8





#54

Dibenzofuran

Concen: 6.915 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

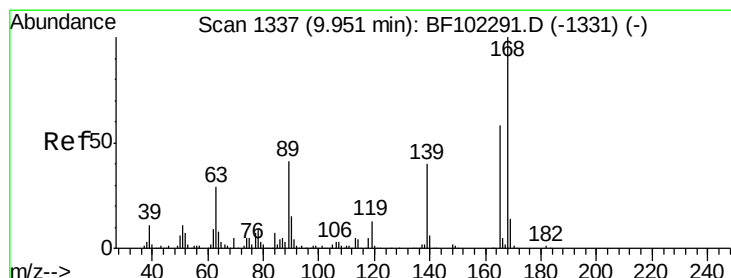
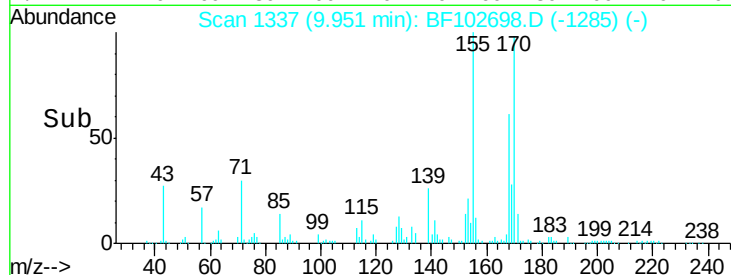
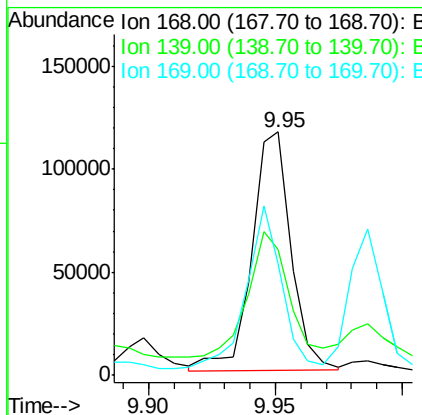
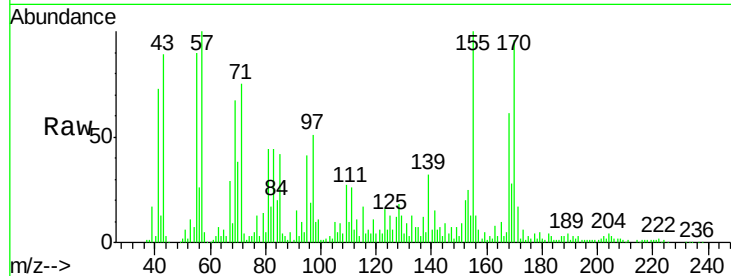
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:	168	Resp:	124913
Ion Ratio	Lower	Upper	
168	100		
139	51.9	30.1	45.1#
169	46.0	10.9	16.3#

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#56

2,4-Dinitrotoluene

Concen: 5.398 ng

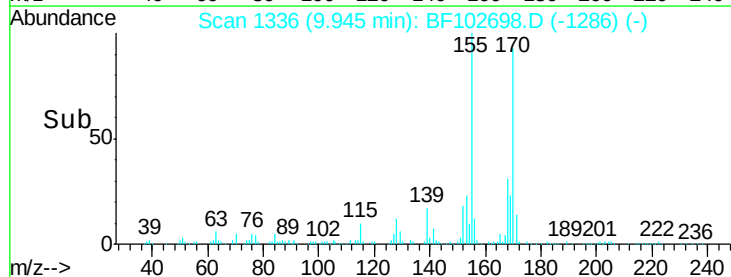
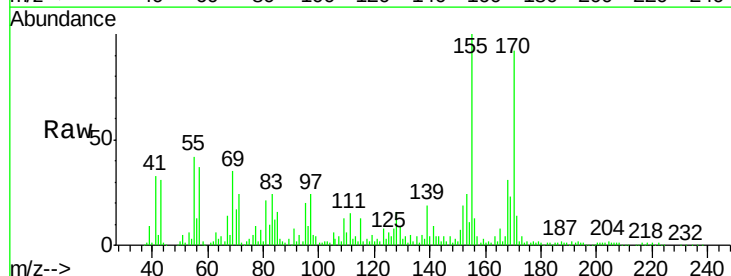
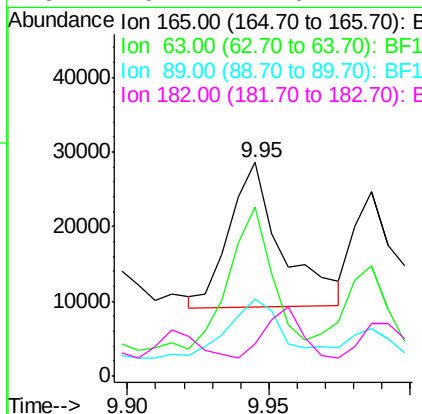
RT: 9.95 min Scan# 1336

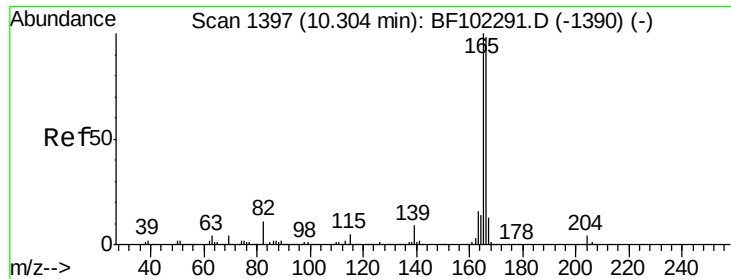
Delta R.T. -0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:	165	Resp:	24970
Ion Ratio	Lower	Upper	
165	100		
63	79.2	36.4	54.6#
89	35.7	57.8	86.6#
182	15.1	1.6	2.4#





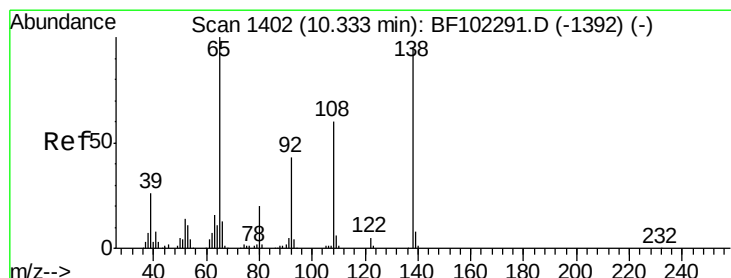
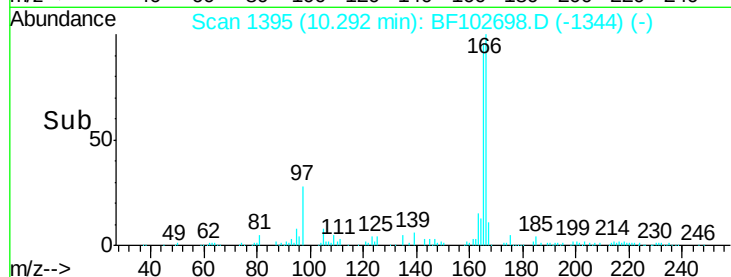
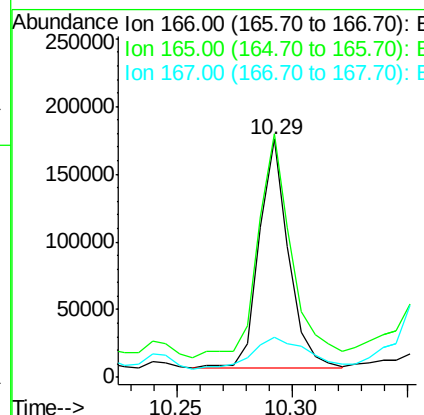
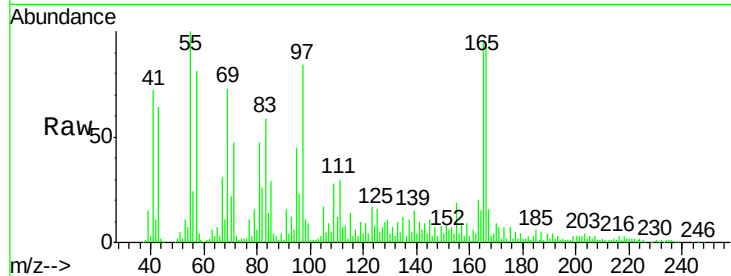
#57
Fluorene
 Concen: 10.649 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BF102698.D
 Acq: 1 Feb 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-05(CB#1-LINE@5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.8	119.8
167	16.7	10.6	16.0

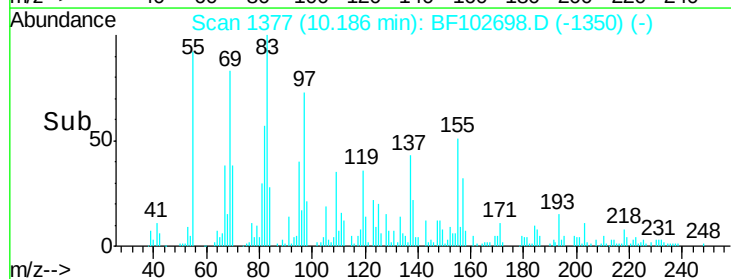
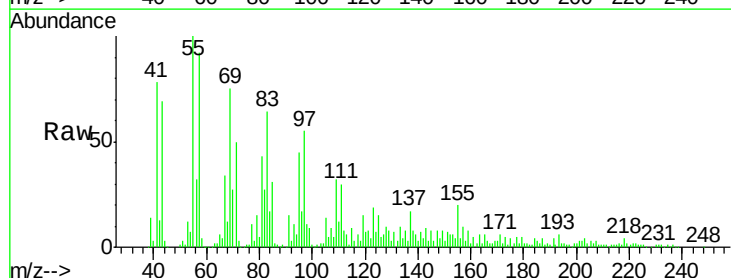
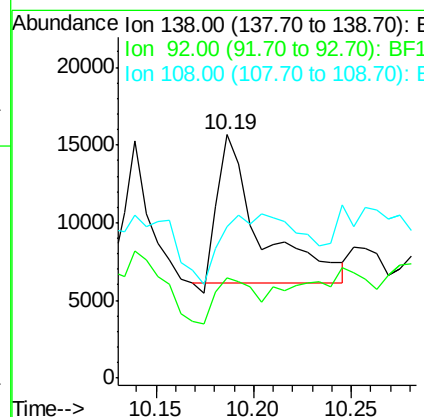
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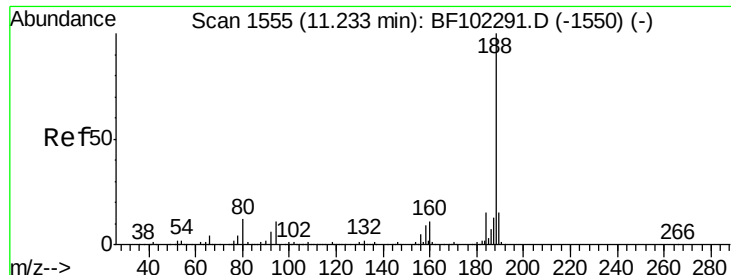
Sohil
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#61
4-Nitroaniline
 Concen: 3.251 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.14 min
 Lab File: BF102698.D
 Acq: 1 Feb 2018 20:42

Tgt Ion	Ratio	Lower	Upper
138	100		
92	41.0	30.2	70.2
108	62.4	52.5	92.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

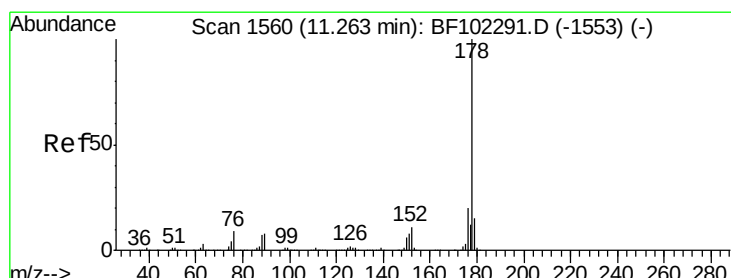
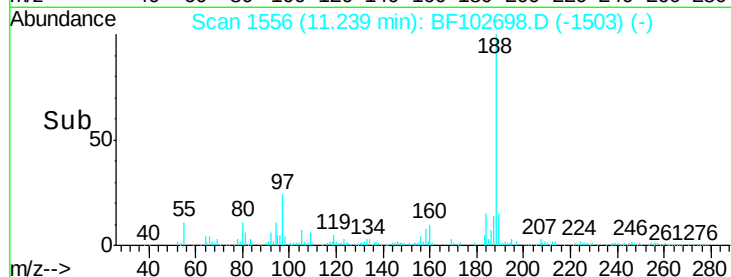
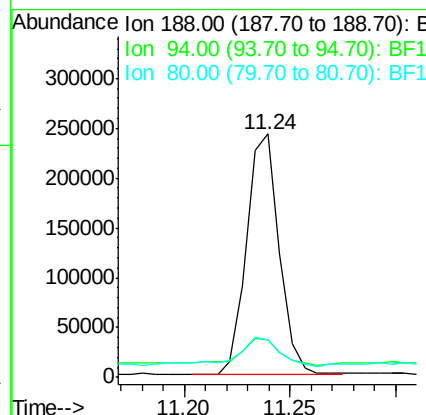
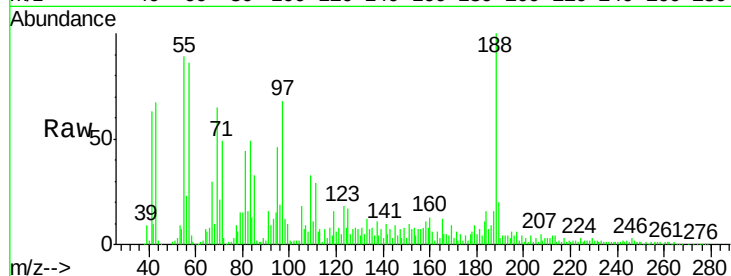
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:188	Resp:	259180
Ion Ratio	Lower	Upper
188 100		
94 15.5	8.5	12.7#
80 15.3	9.2	13.8#

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#70

Phenanthrene

Concen: 57.040 ng

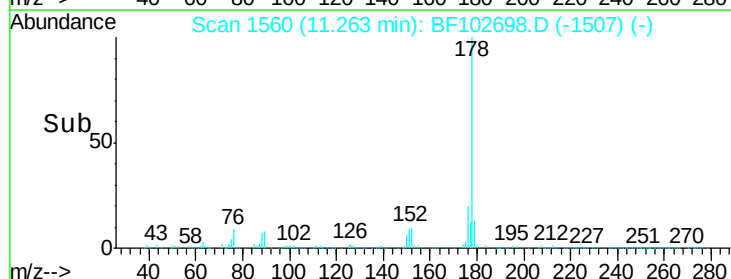
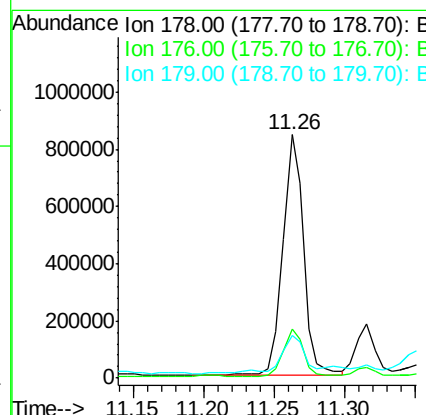
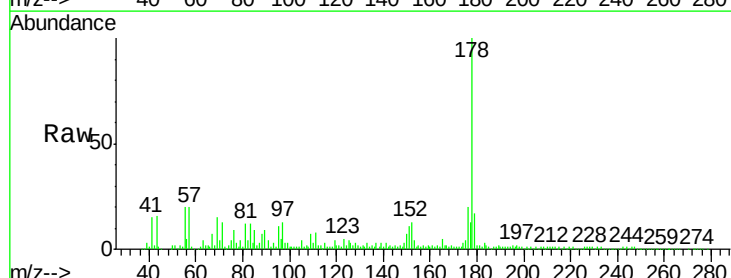
RT: 11.26 min Scan# 1560

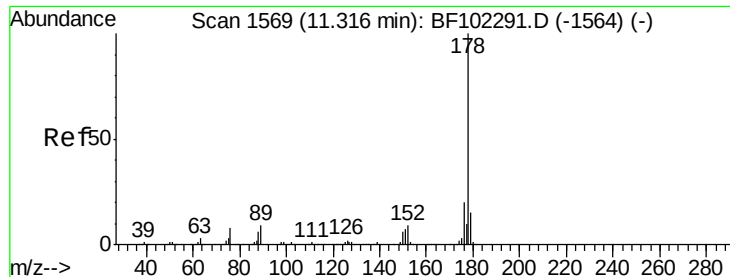
Delta R.T. 0.01 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:178	Resp:	861470
Ion Ratio	Lower	Upper
178 100		
176 20.1	15.8	23.8
179 17.4	13.0	19.6





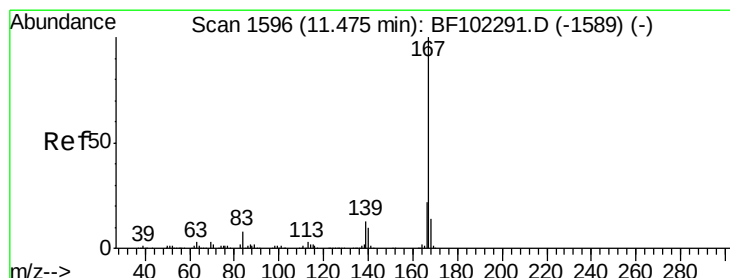
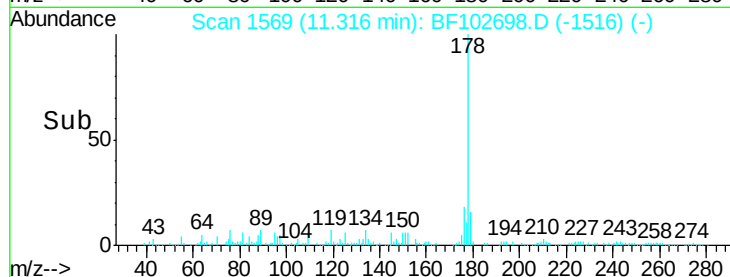
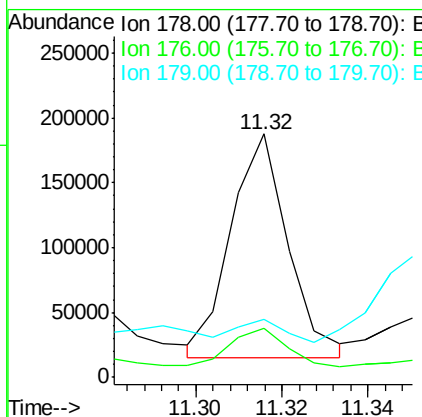
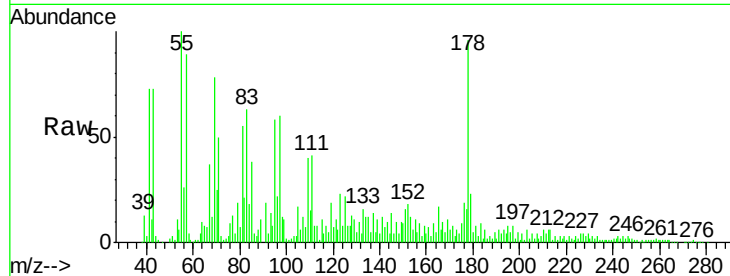
#71
 Anthracene
 Concen: 10.343 ng m
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF102698.D
 Acq: 1 Feb 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-05(CB#1-LINE@5)

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.9	15.4	23.2	
179	23.7	12.6	19.0	

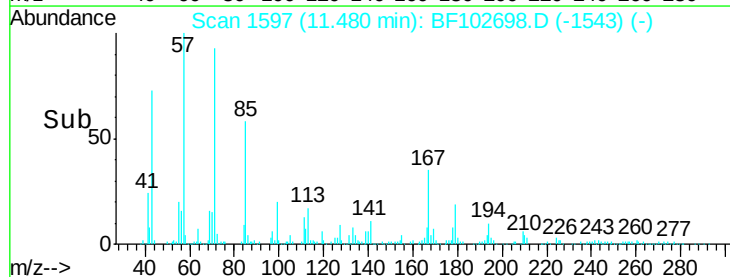
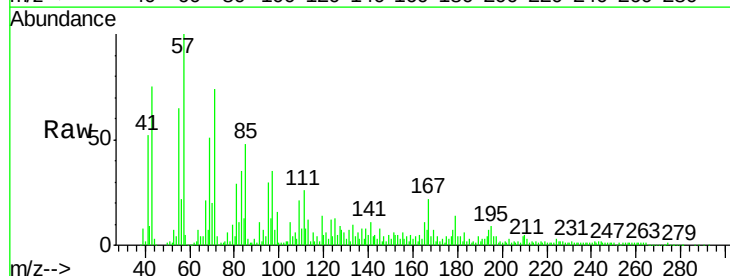
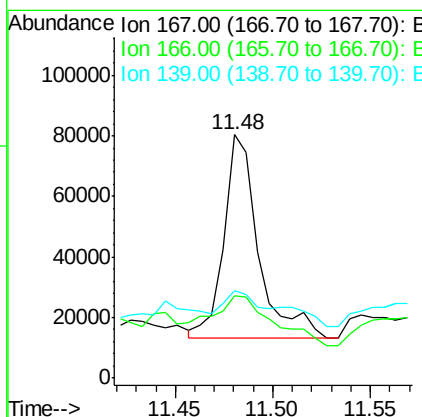
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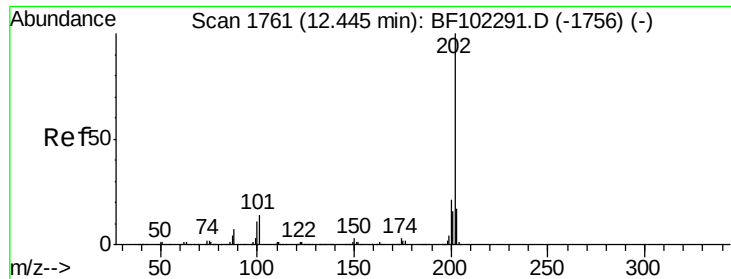
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#72
 Carbazole
 Concen: 5.554 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.02 min
 Lab File: BF102698.D
 Acq: 1 Feb 2018 20:42

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	33.7	17.6	26.4	
139	36.1	10.9	16.3	





#74

Fluoranthene

Concen: 40.243 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.04 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

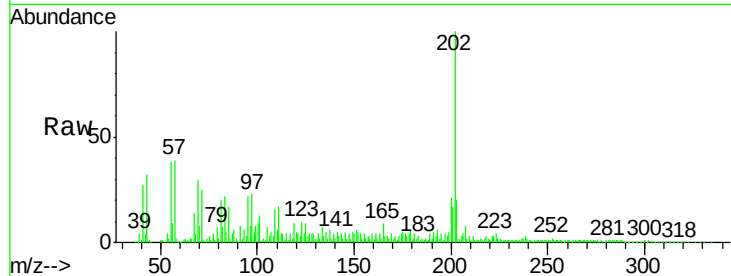
ClientSampleId :

TP-05(CB#1-LINE@5)

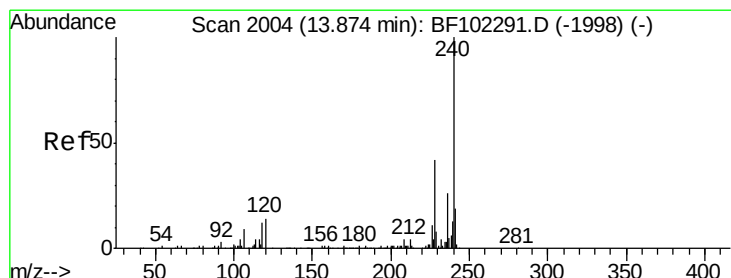
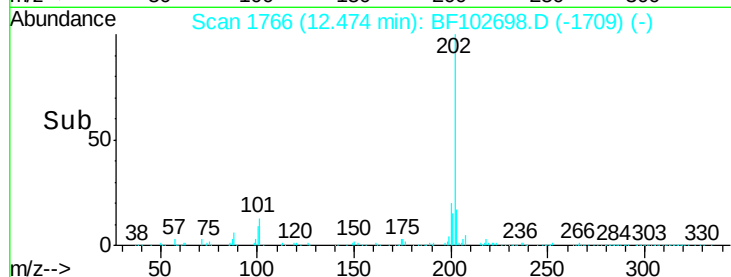
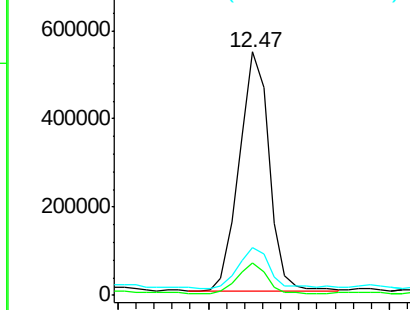
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	34.1
203	19.8	0.0	38.1

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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: 20.000 ng

RT: 13.92 min Scan# 2011

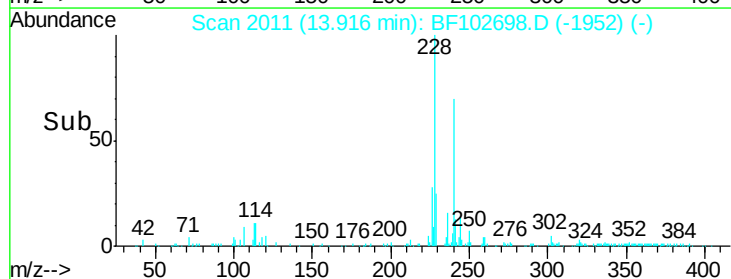
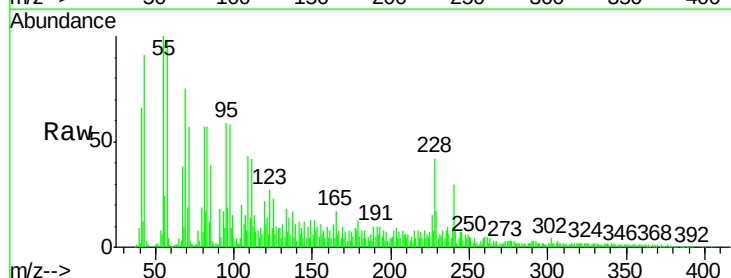
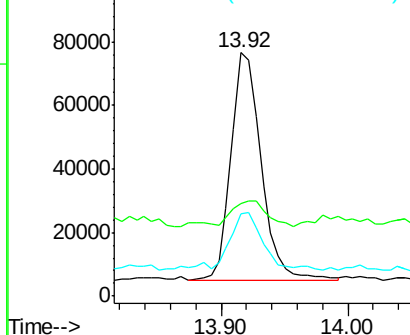
Delta R.T. 0.05 min

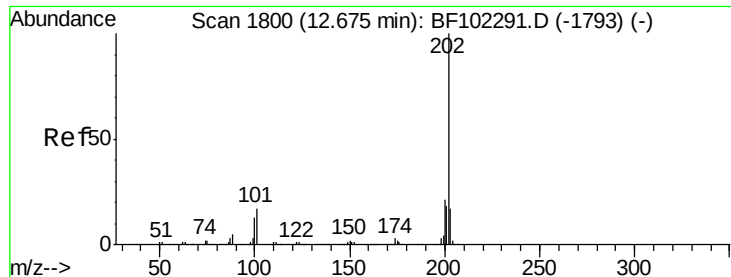
Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	37.8	9.5	14.3#
236	33.6	20.7	31.1#

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

Pvrene

Concen: 65.092 ng/mL

RT: 12.70 min Scan# 1805

Delta R.T. 0.04 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Instrument :

BNA_F

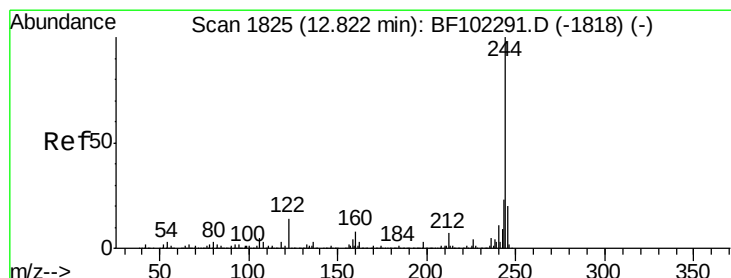
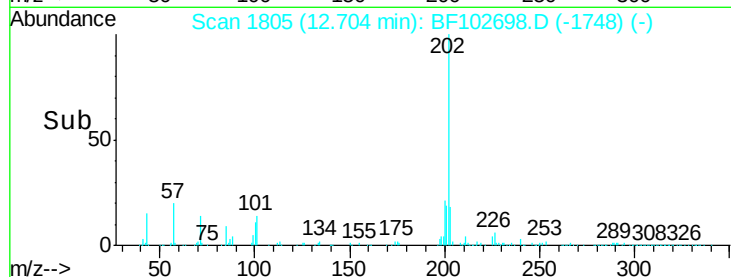
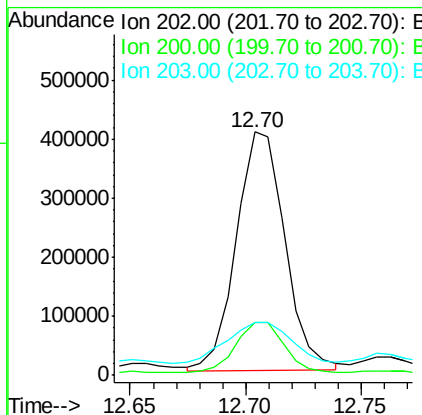
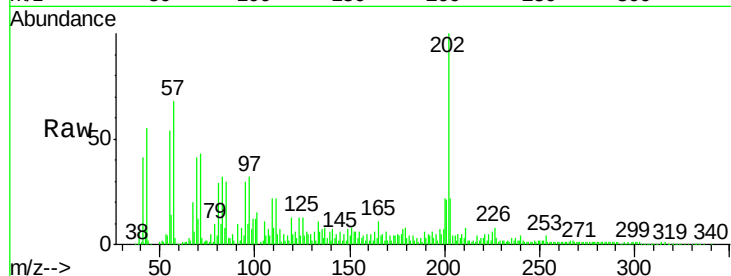
ClientSampleId :

TP-05(CB#1-LINE@5)

Tot Ion:	202	Resp:	591941
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	21.7	14.3	21.5#

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#78

Terphenyl-d14

Concen: 72.312 ng/mL

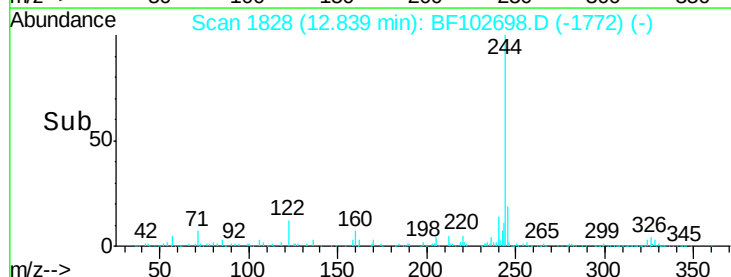
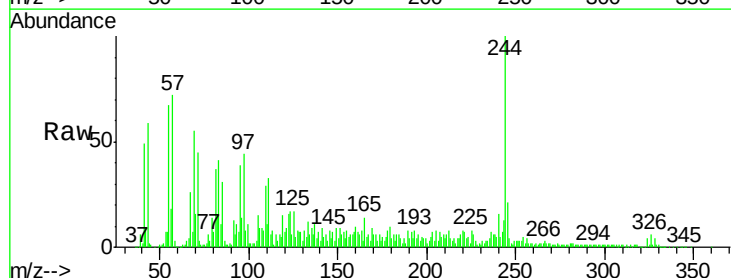
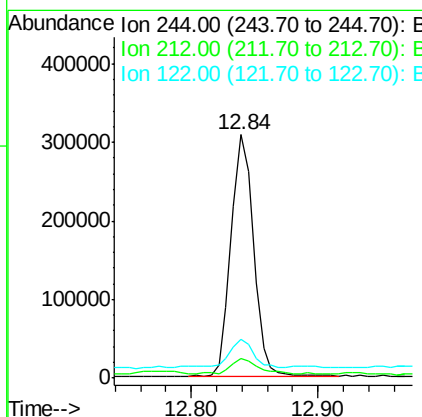
RT: 12.84 min Scan# 1828

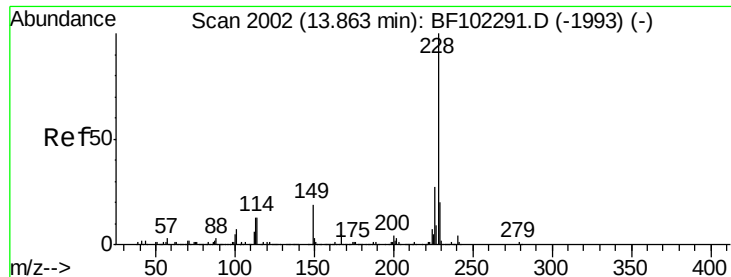
Delta R.T. 0.03 min

Lab File: BF102698.D

Acq: 1 Feb 2018 20:42

Tgt Ion:	244	Resp:	377282
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.4	8.0#
122	16.0	11.0	16.4





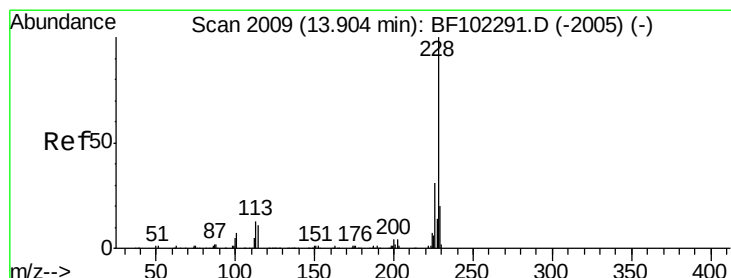
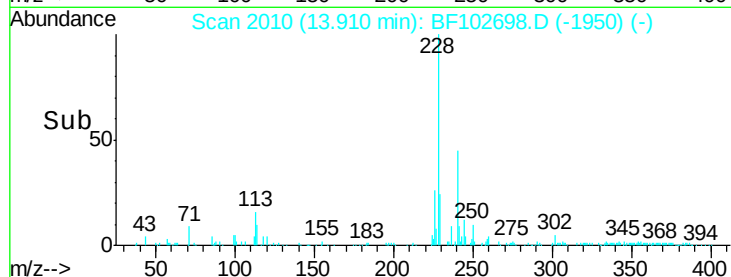
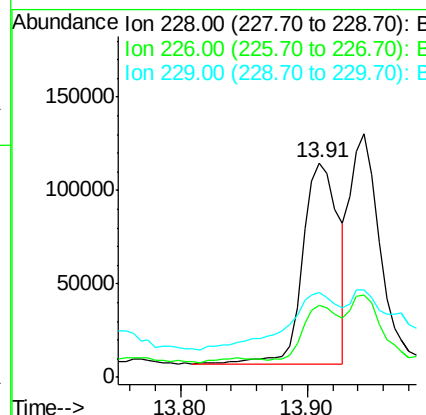
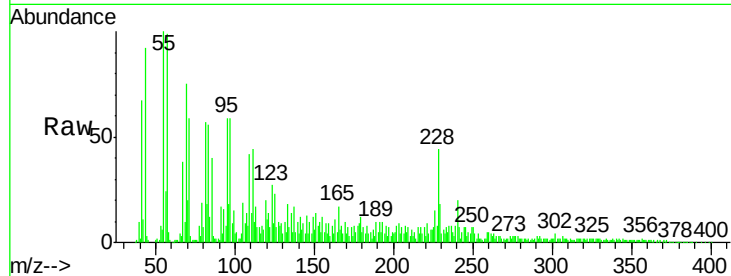
#80
Benzo(a)anthracene
Concen: 29.345 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.05 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Instrument :
BNA_F
ClientSampleId :
TP-05(CB#1-LINE@5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.6	33.8
229	39.5	15.8	23.6

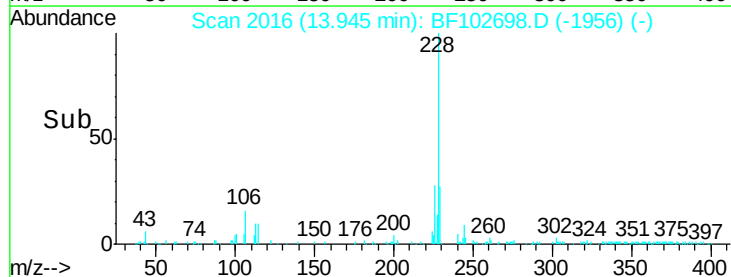
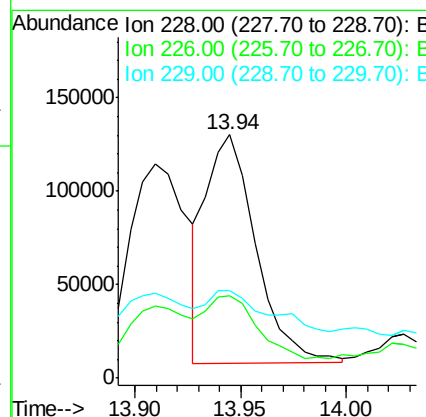
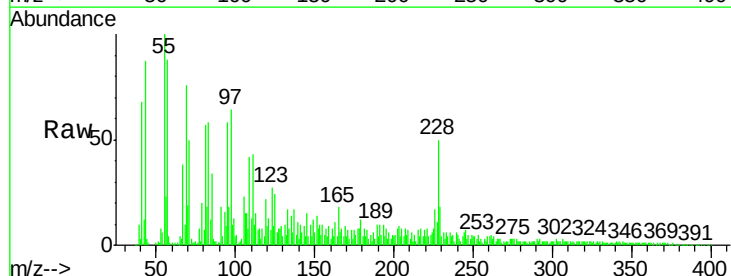
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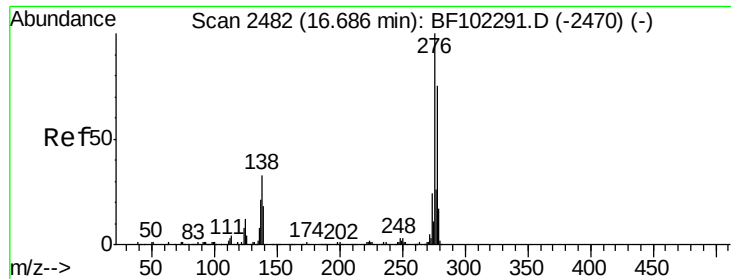
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#82
Chrysene
Concen: 27.248 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.05 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	25.0	37.6
229	36.2	16.2	24.4





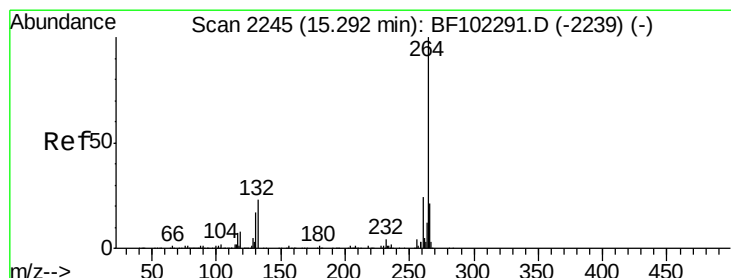
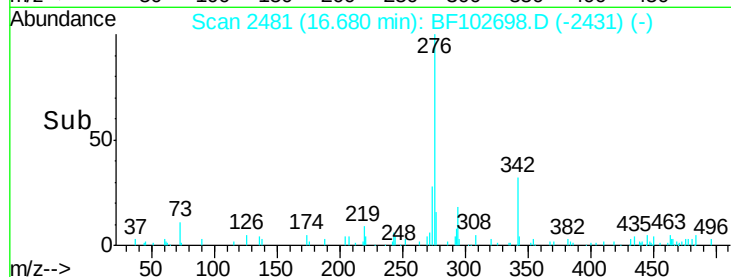
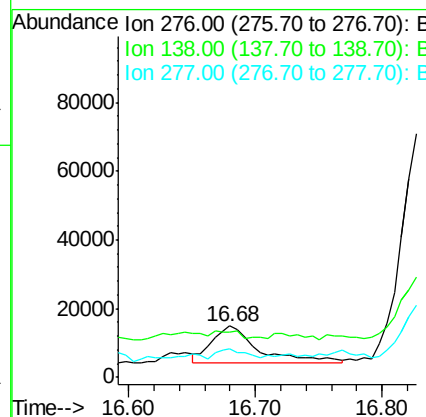
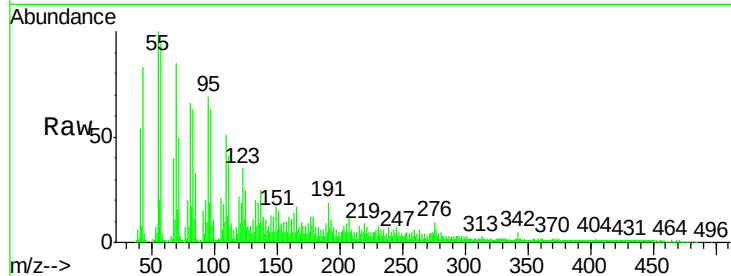
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.525 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Instrument :
BNA_F
ClientSampleId :
TP-05(CB#1-LINE@5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.0	37.6#
277	14.7	20.1	30.1#

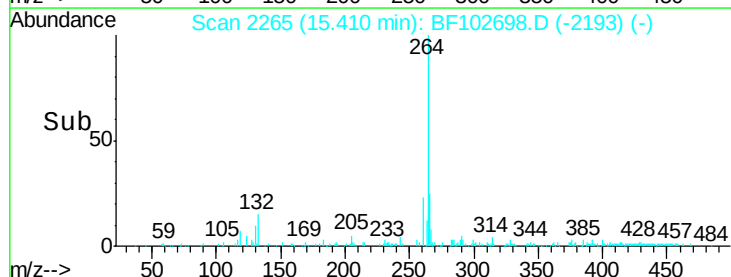
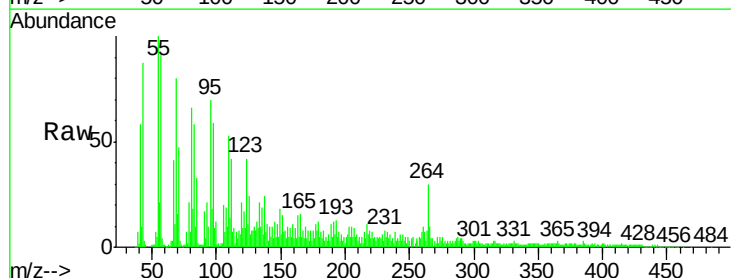
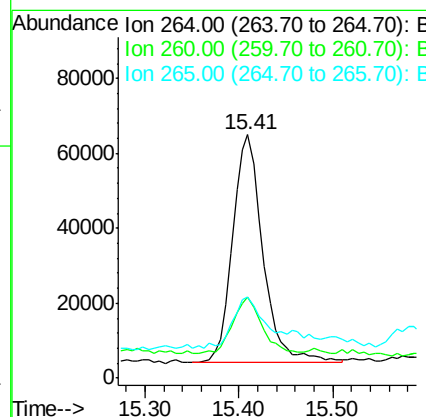
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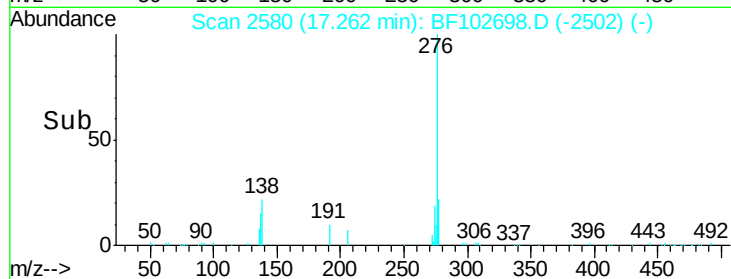
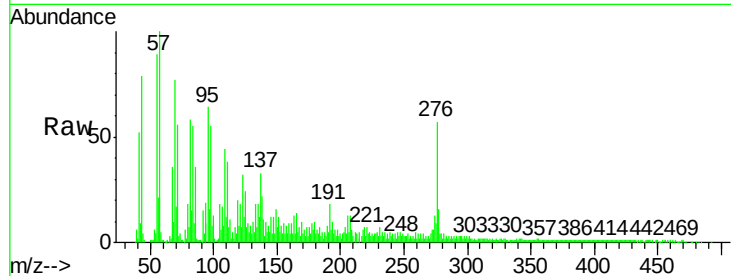
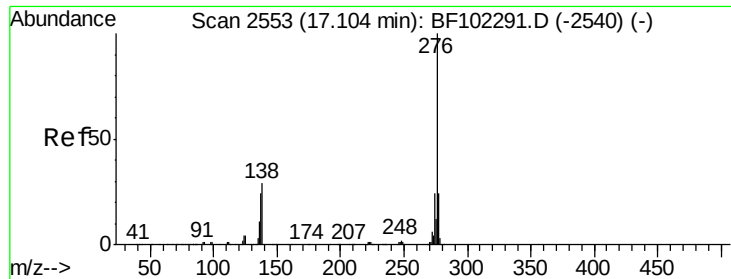
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.12 min
Lab File: BF102698.D
Acq: 1 Feb 2018 20:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	33.2	19.2	28.8#
265	33.4	17.5	26.3#





#91
 Benzo(a,h,i)perylene
 Concen: 25.232 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. 0.16 min
 Lab File: BF102698.D
 Acq: 1 Feb 2018 20:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-05(CB#1-LINE@5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9#
138	38.2	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 2/2/2018 9:52:56 AM

