

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102227.D
 Acq On : 19 Jan 2018 20:11
 Operator : SJ/JU
 Sample : J1189-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2B-2

Manual Integrations
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Sohil
 1/22/2018 5:24:26 PM

Quant Time: Jan 19 23:08:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151704	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	632928	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	282375	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	496858	20.00	ng	0.00
75) Chrysene-d12	13.87	240	327897	20.00	ng	0.00
86) Perylene-d12	15.29	264	272522	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	892362	83.06	ng	0.00
7) Phenol-d6	6.36	99	1085569	84.69	ng	-0.01
23) Nitrobenzene-d5	7.29	82	679009	63.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	249651	101.31	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1131419	62.60	ng	0.00
78) Terphenyl-d14	12.83	244	995875	63.06	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.37	94	45241	3.123	ng	96
31) Naphthalene	8.02	128	93027	2.941	ng	99
48) Acenaphthylene	9.61	152	88395	2.878	ng	99
49) Dimethylphthalate	9.47	163	333938	14.742	ng	99
54) Dibenzofuran	9.96	168	59199	2.314	ng	96
57) Fluorene	10.30	166	36914	2.087	ng	96
59) Diethylphthalate	10.16	149	62016	2.752	ng	98
70) Phenanthrene	11.26	178	943206	32.498	ng	99
71) Anthracene	11.31	178	76372	2.595	ng	99
72) Carbazole	11.47	167	173189	5.986	ng	98
74) Fluoranthene	12.45	202	1115646	39.070	ng	100
77) Pyrene	12.68	202	988565	34.107	ng	100
80) Benzo(a)anthracene	13.86	228	344744	16.479	ng	95
82) Chrysene	13.90	228	399482	18.313	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	187781	11.827	ng	96
87) Benzo(b)fluoranthene	14.89	252	385228m	21.679	ng	
88) Benzo(k)fluoranthene	14.91	252	139769m	8.154	ng	
89) Benzo(a)pyrene	15.23	252	253997	15.885	ng	96
90) Dibenzo(a,h)anthracene	16.68	278	46412m	3.637	ng	
91) Benzo(a,h,i)perylene	17.09	276	188738	14.683	ng	98

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

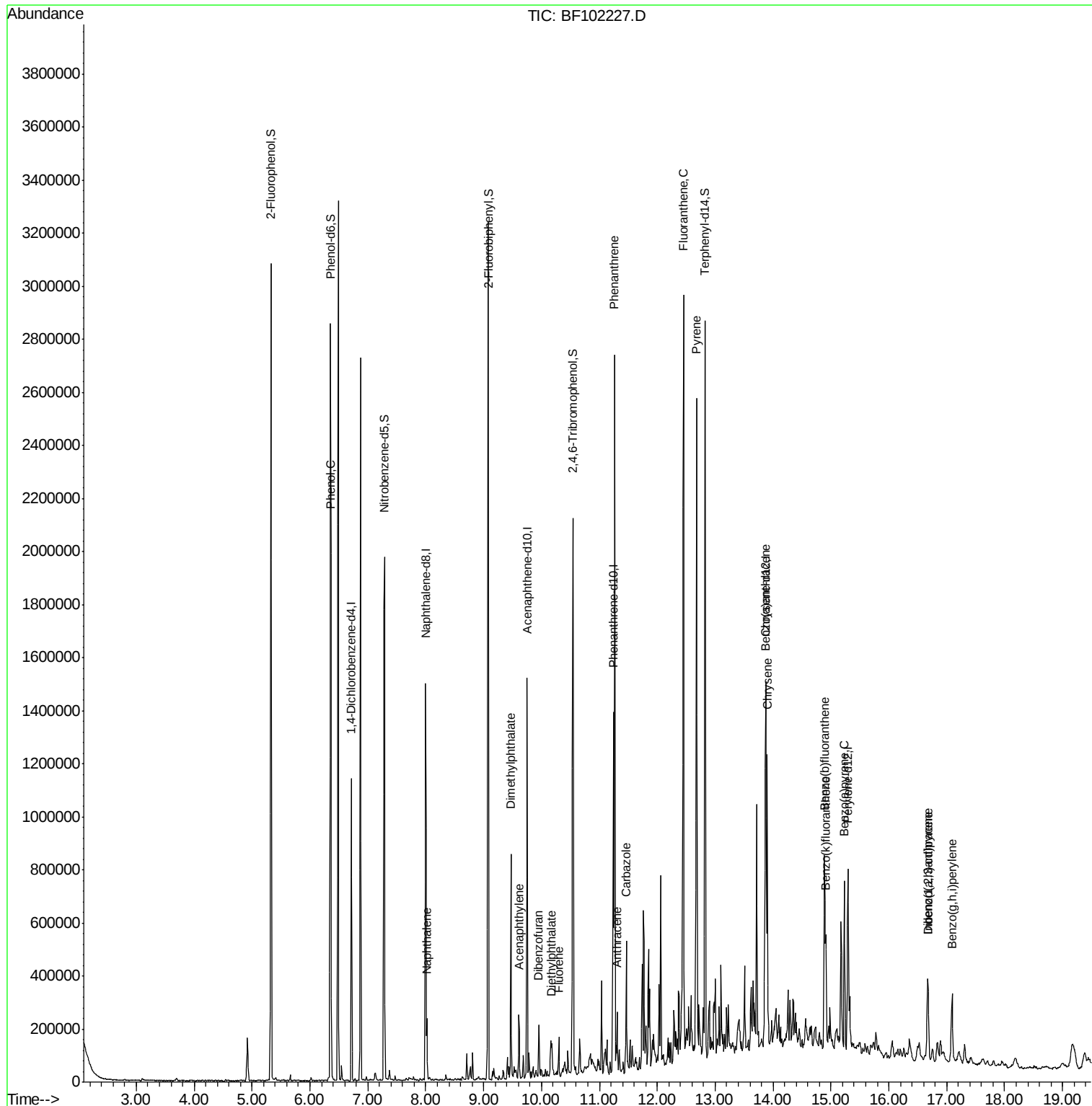
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
Data File : BF102227.D
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ALS Vial : 3 Sample Multiplier: 1

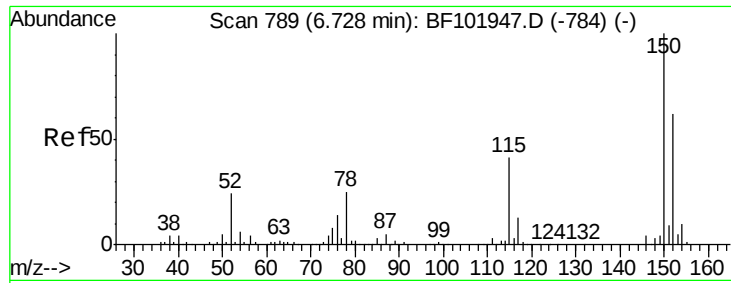
Instrument :
BNA_F
ClientSampled :
2B-2

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Quant Time: Jan 19 23:08:02 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 19 13:31:35 2018
Response via : Initial Calibration





#1

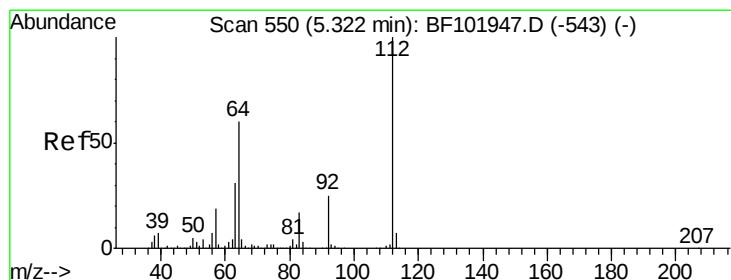
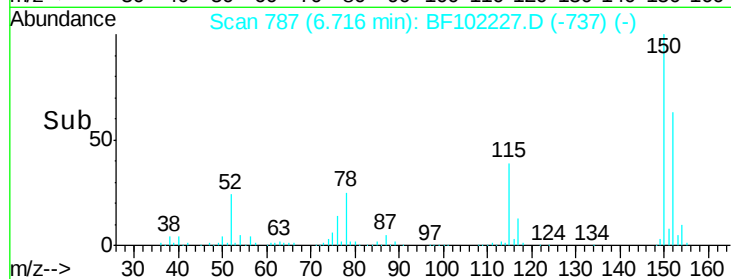
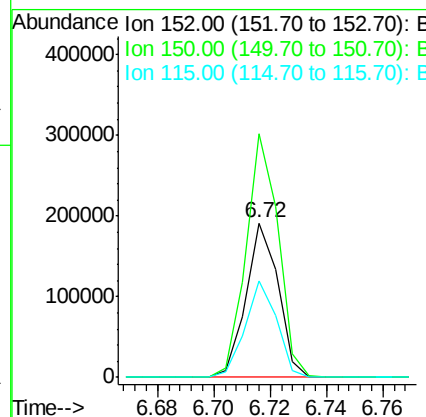
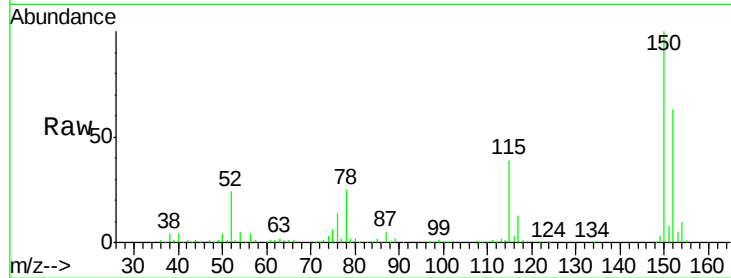
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampled :
2B-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	62.2	50.1	75.1

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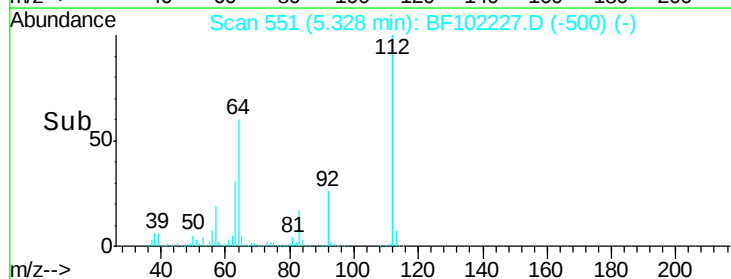
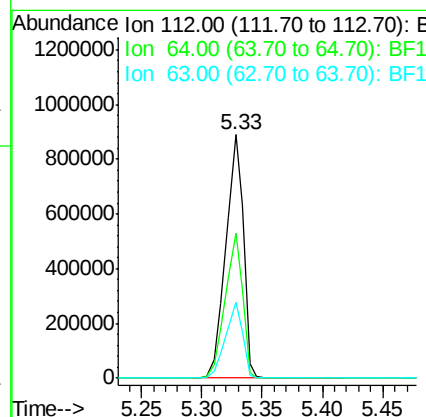
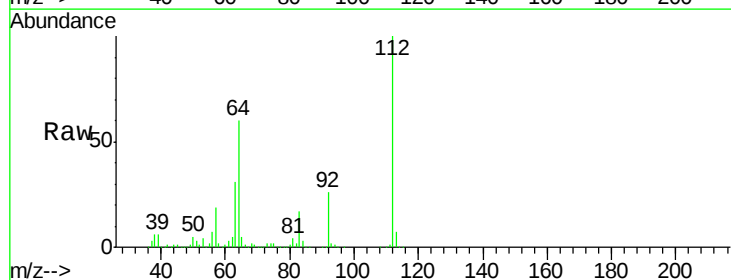
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#5

2-Fluorophenol
Concen: 83.062 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 84.692 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

ClientSampled :

2B-2

Tot Ion: 99 Resp: 1085569

Ion Ratio Lower Upper

99 100

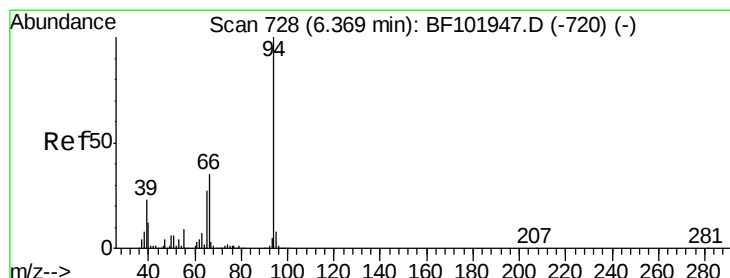
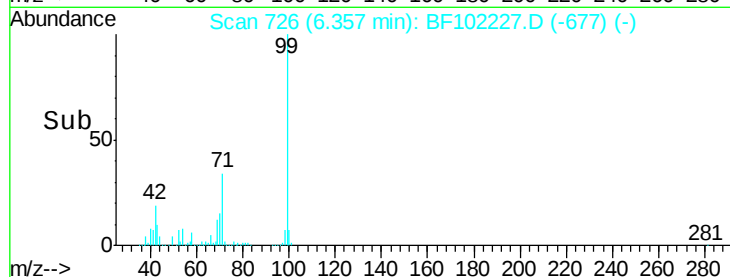
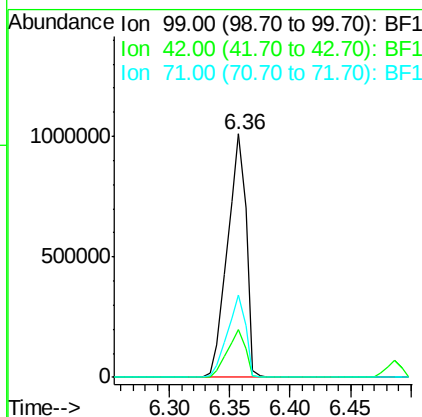
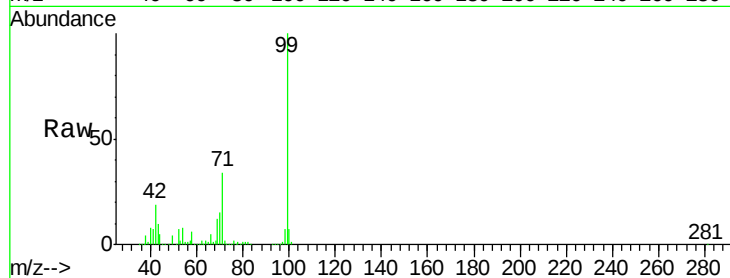
42 19.5 14.5 21.7

71 33.9 25.4 38.0

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#10

Phenol

Concen: 3.123 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

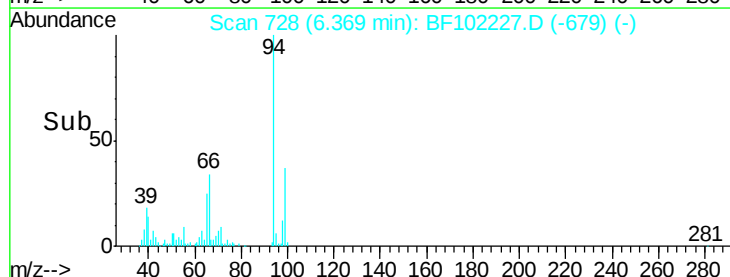
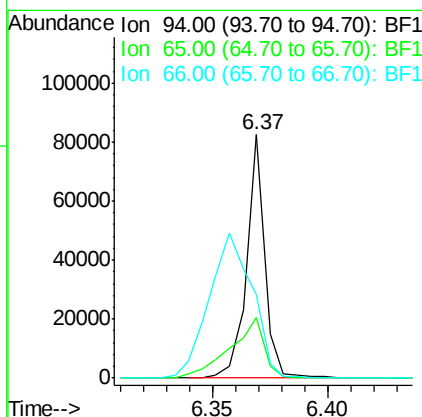
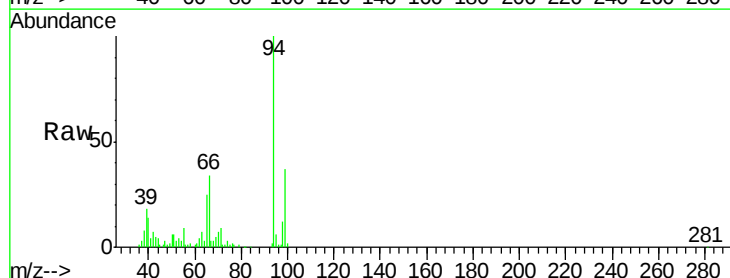
Tgt Ion: 94 Resp: 45241

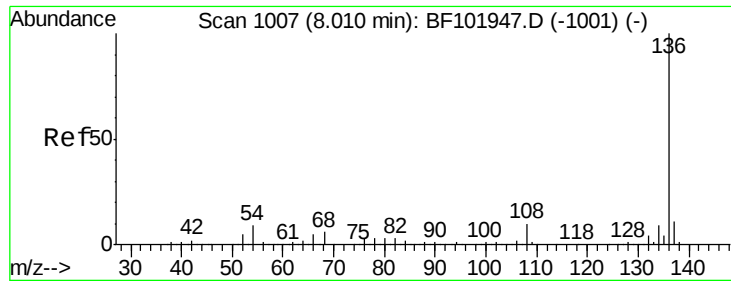
Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

66 34.2 16.2 56.2





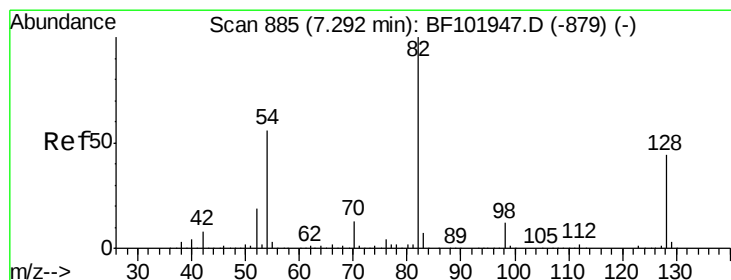
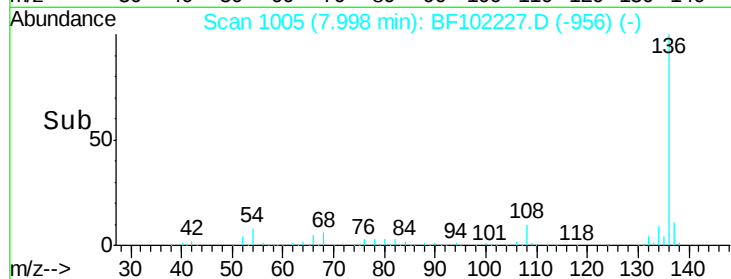
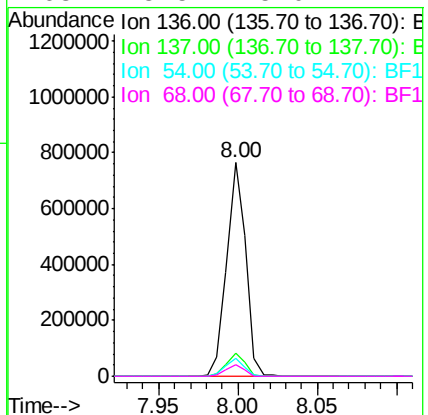
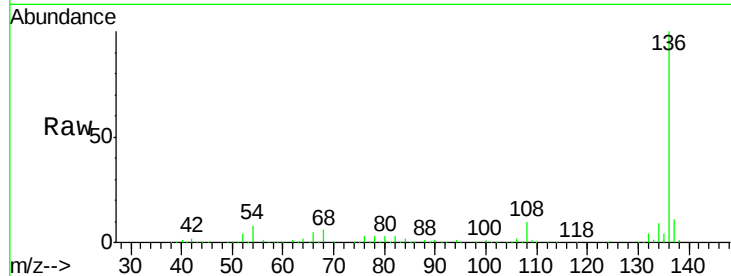
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampleId :
2B-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	8.1	6.6	9.8	
68	5.5	5.0	7.4	

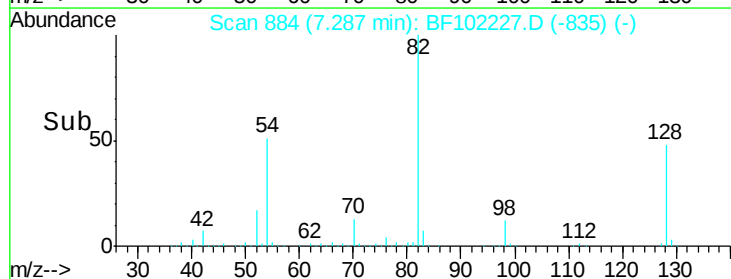
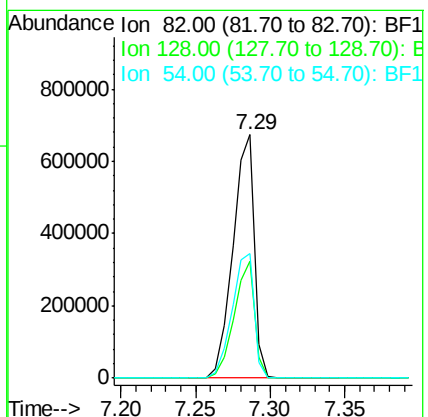
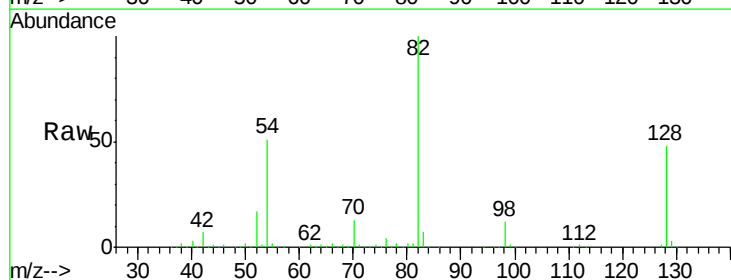
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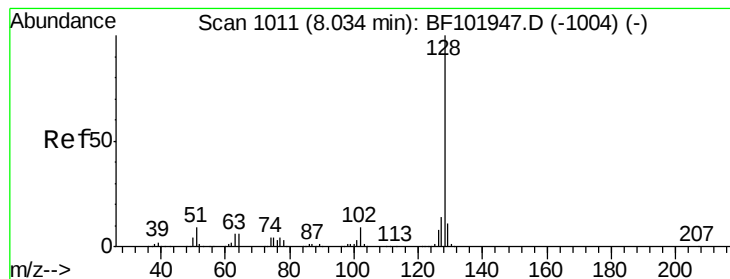
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#23
Nitrobenzene-d5
Concen: 63.042 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.8	36.1	54.1	
54	51.2	41.4	62.2	





#31

Naphthalene

Concen: 2.941 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

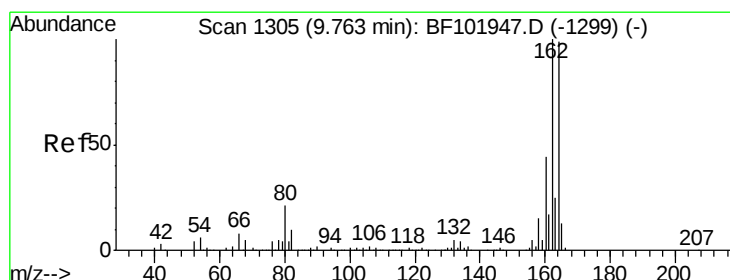
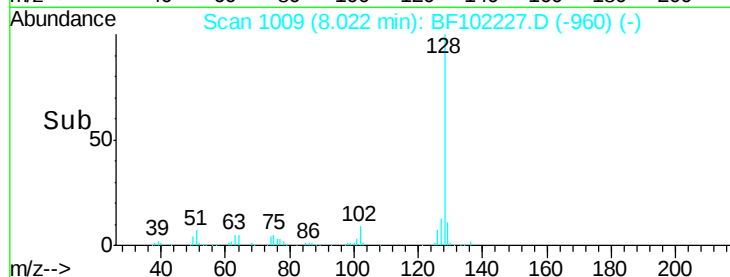
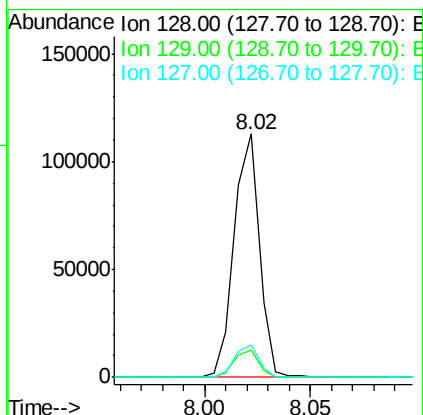
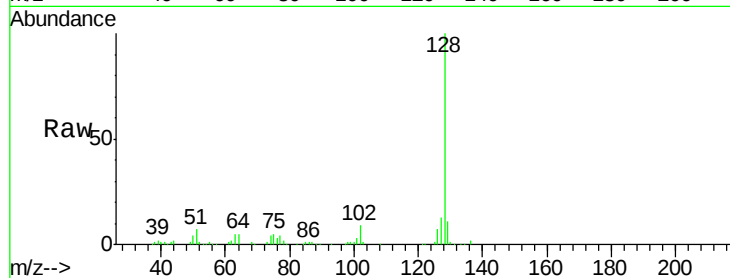
ClientSampled :

2B-2

Tot Ion:	128	Resp:	93027
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	13.2	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

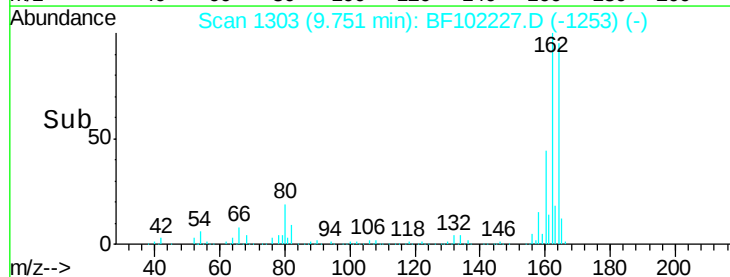
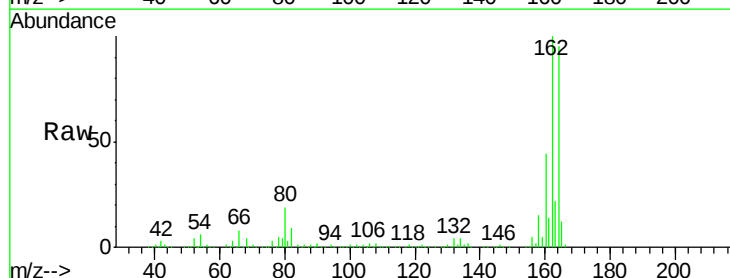
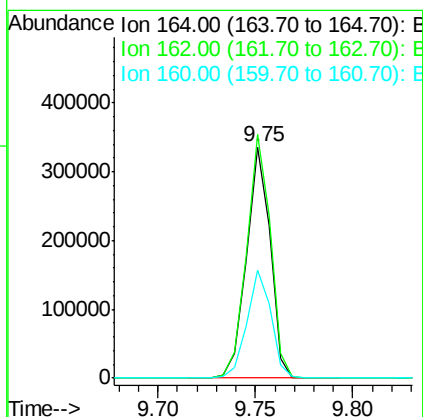
RT: 9.75 min Scan# 1303

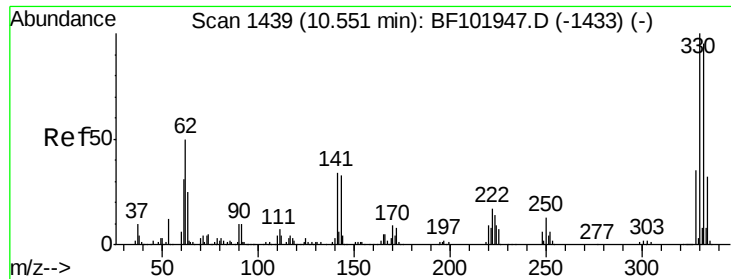
Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Tgt Ion:	164	Resp:	282375
Ion Ratio	Lower	Upper	
164	100		
162	105.2	86.1	129.1
160	46.5	38.3	57.5





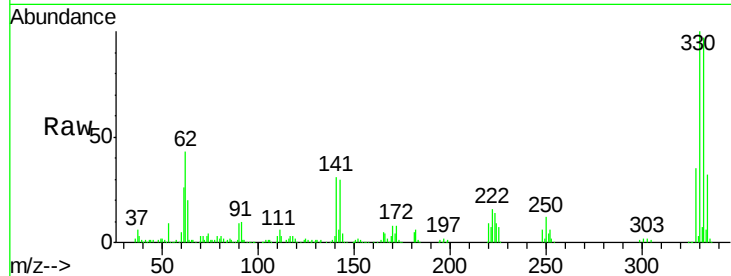
#41
 2,4,6-Tribromophenol
 Concen: 101.309 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102227.D
 Acq: 19 Jan 2018 20:11

Instrument :
 BNA_F
 ClientSampled :
 2B-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	249651		
332	96.6	77.0	115.6	
141	39.0	29.9	44.9	

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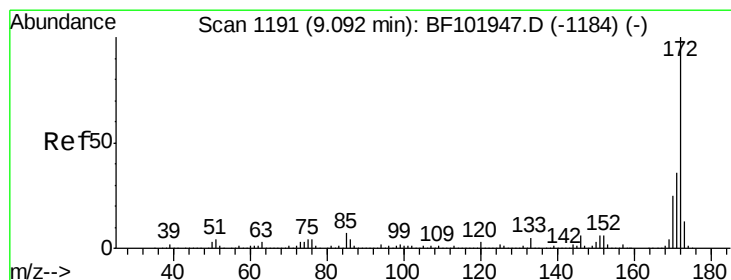
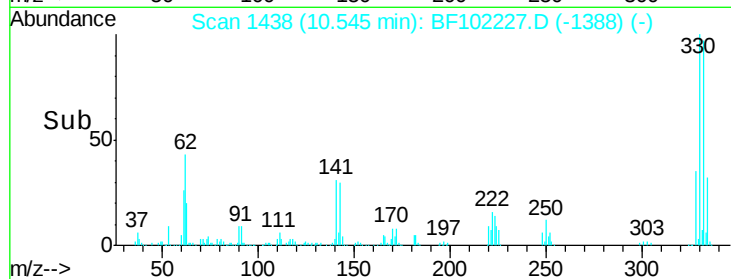
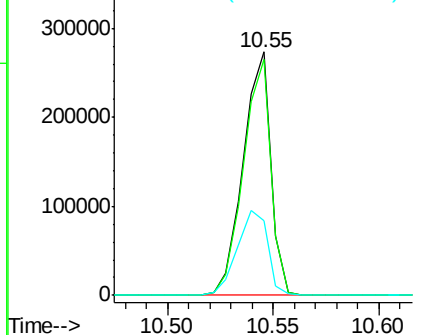


Abundance

Ion 329.80 (329.50 to 330.50): E

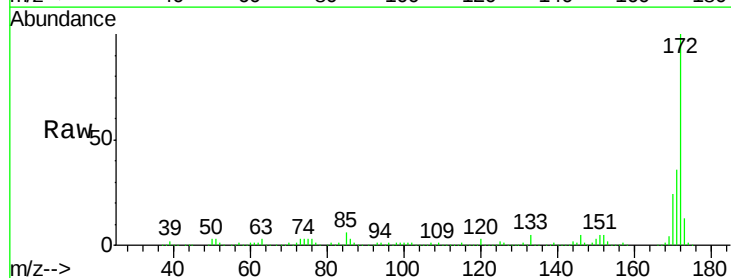
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 62.597 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102227.D
 Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1131419		
171	36.5	29.7	44.5	
170	24.0	19.6	29.4	

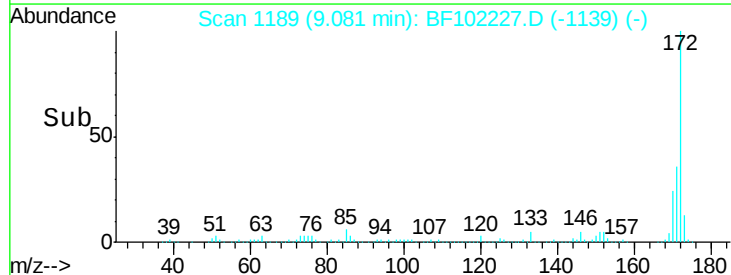
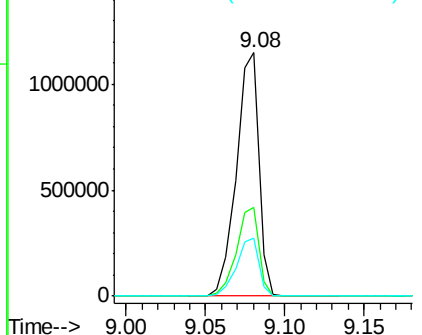


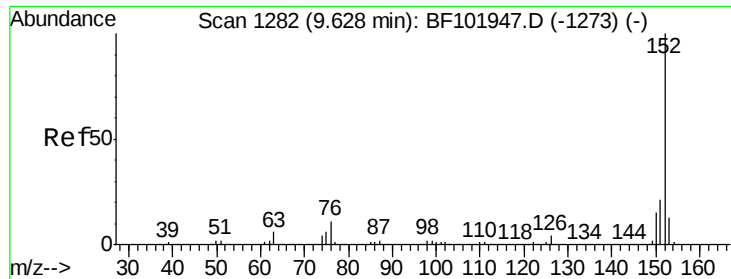
Abundance

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





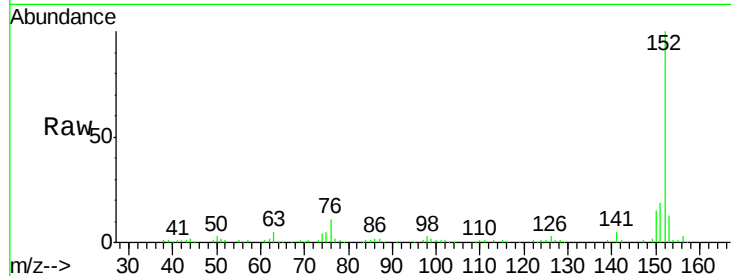
#48
Acenaphthylene
Concen: 2.878 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampled :
2B-2

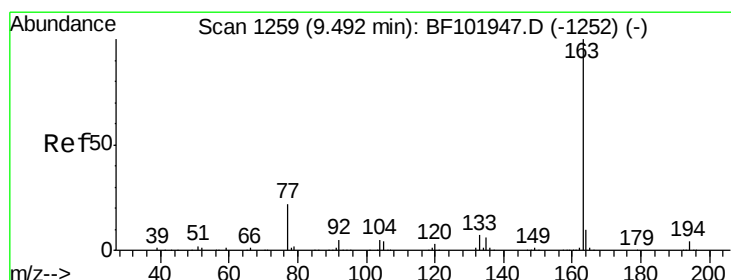
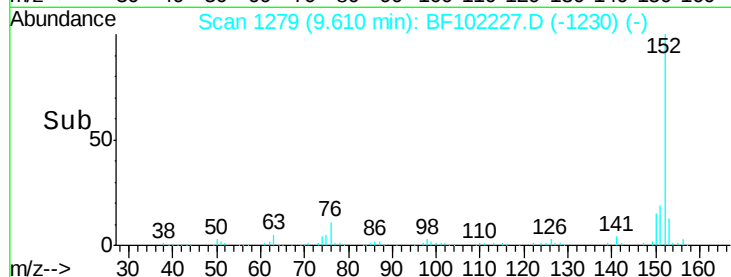
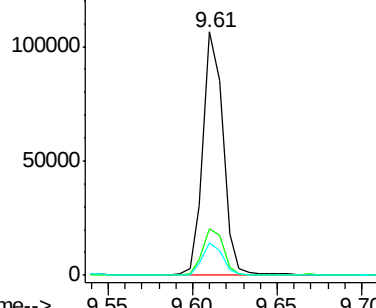
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.3	24.5
153	13.4	10.7	16.1

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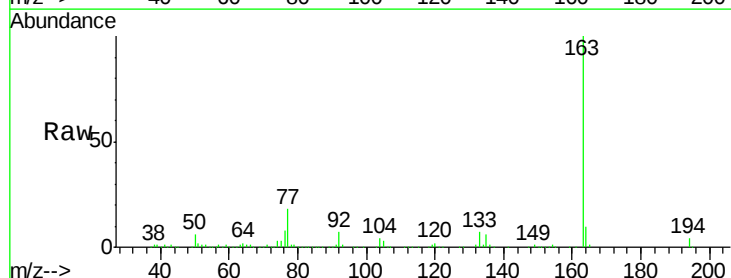


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

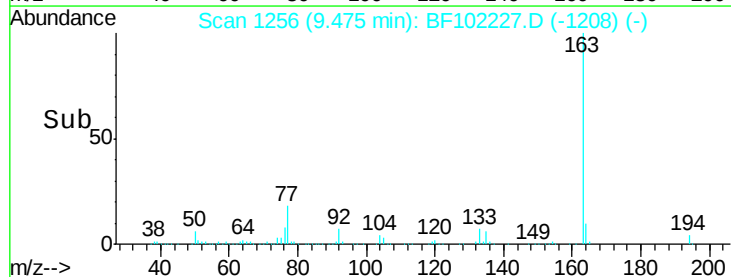
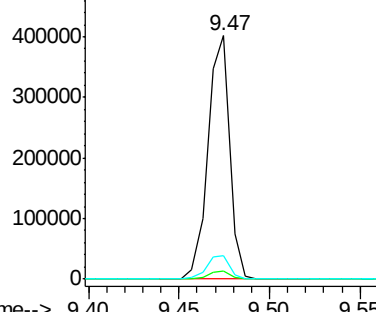


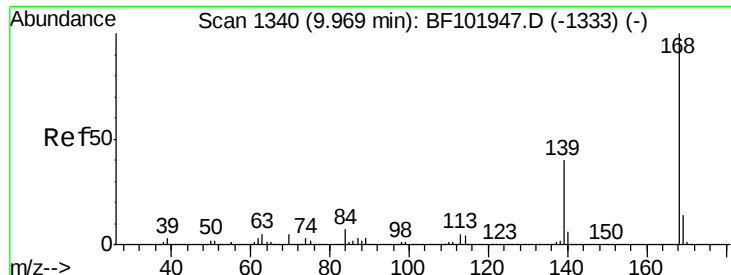
#49
Dimethylphthalate
Concen: 14.742 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.6	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#54

Dibenzofuran

Concen: 2.314 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

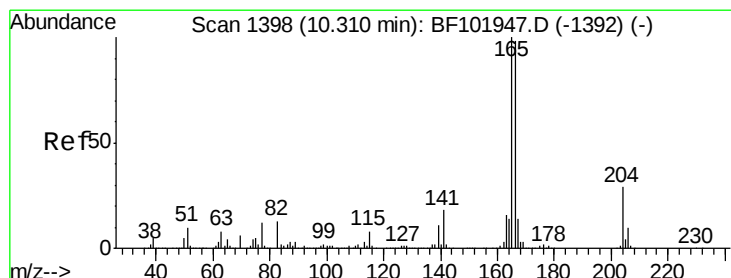
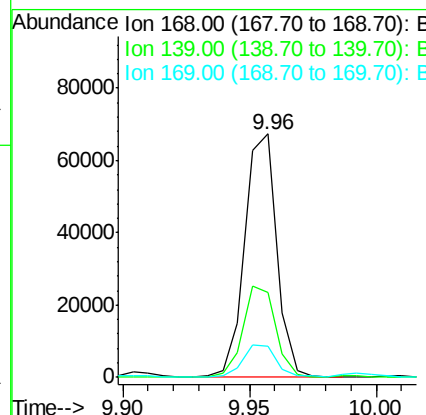
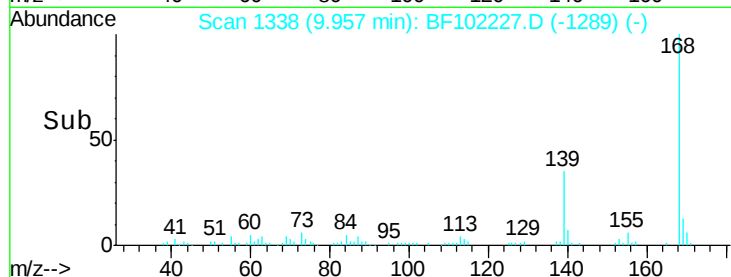
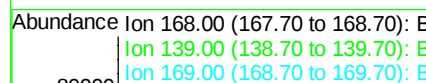
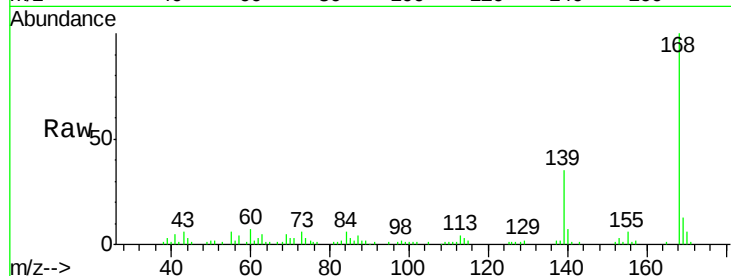
ClientSampled :

2B-2

Tot Ion:	168	Resp:	59199
Ion Ratio	Lower	Upper	
168	100		
139	35.0	30.1	45.1
169	12.8	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 2.087 ng

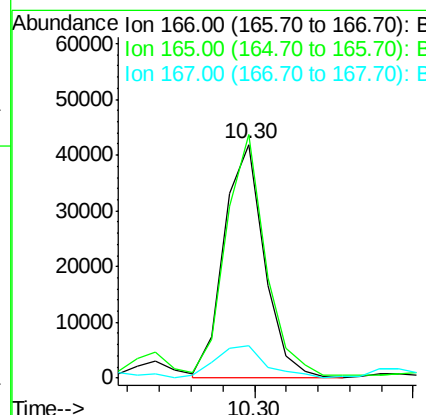
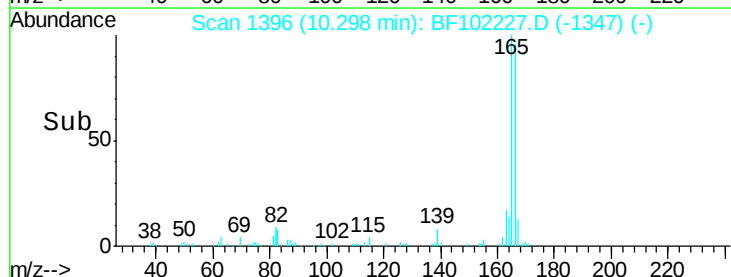
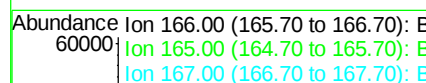
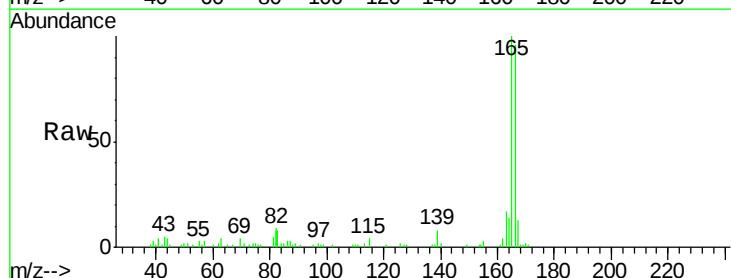
RT: 10.30 min Scan# 1396

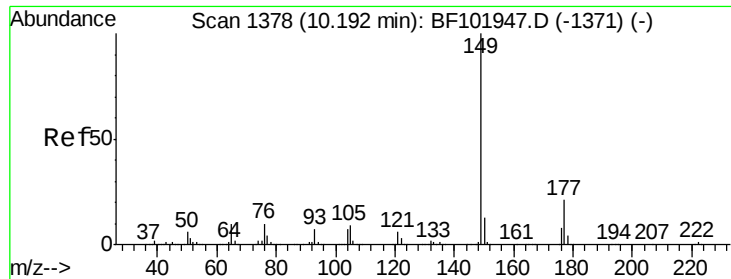
Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Tgt Ion:	166	Resp:	36914
Ion Ratio	Lower	Upper	
166	100		
165	104.2	79.8	119.8
167	14.1	10.6	16.0





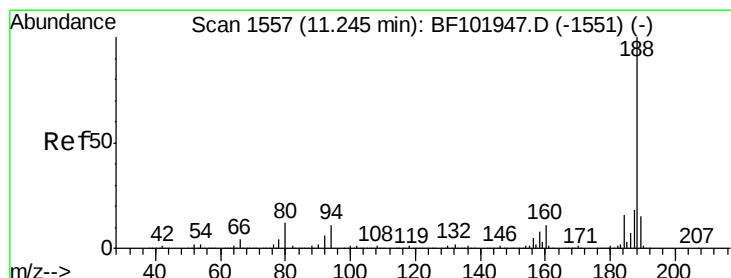
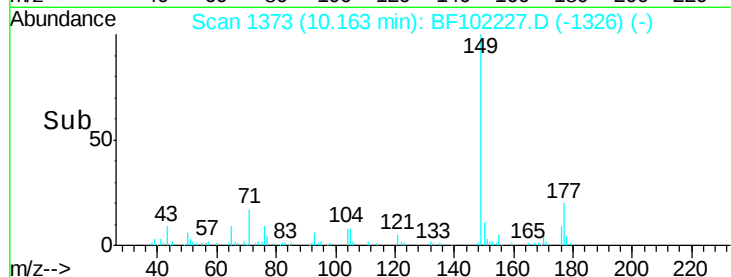
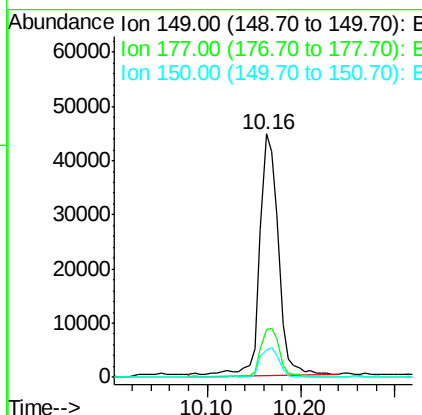
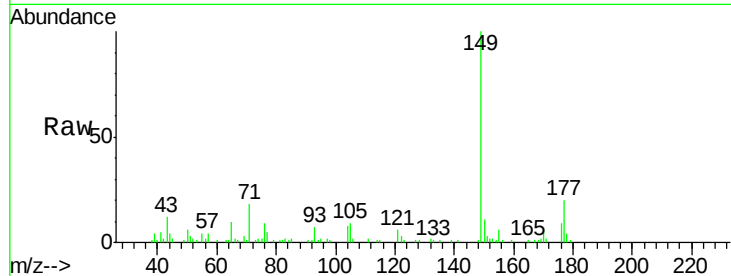
#59
Diethylphthalate
Concen: 2.752 ng
RT: 10.16 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampleId :
2B-2

Tot Ion	Ratio	Lower	Upper
149	100		
177	19.6	16.1	24.1
150	11.2	10.1	15.1

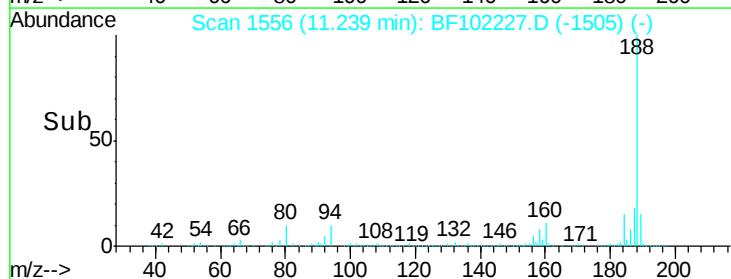
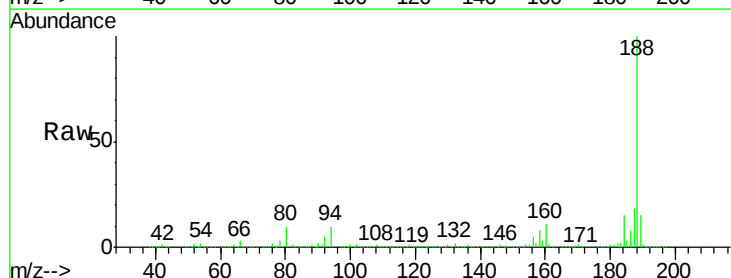
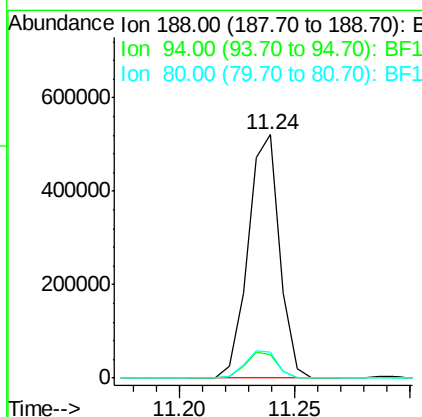
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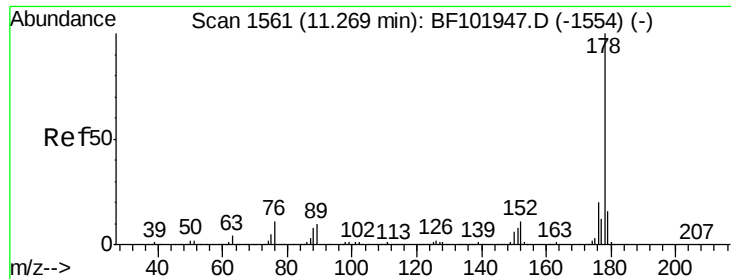
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.4	9.2	13.8





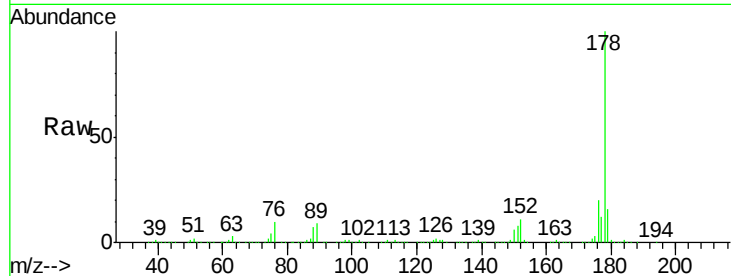
#70
Phenanthrene
Concen: 32.498 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampleId :
2B-2

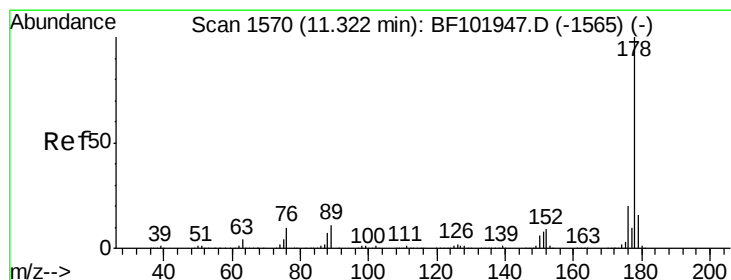
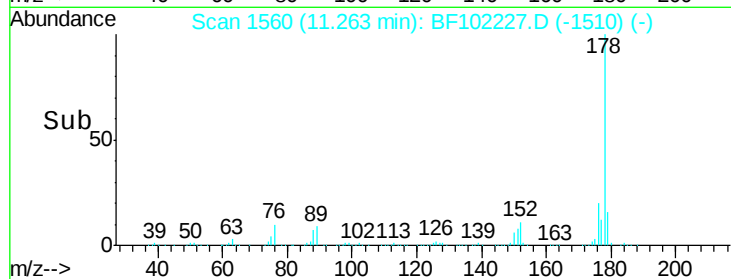
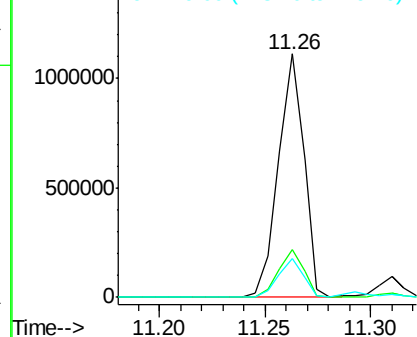
Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.5	15.8	23.8		
179	15.8	13.0	19.6		

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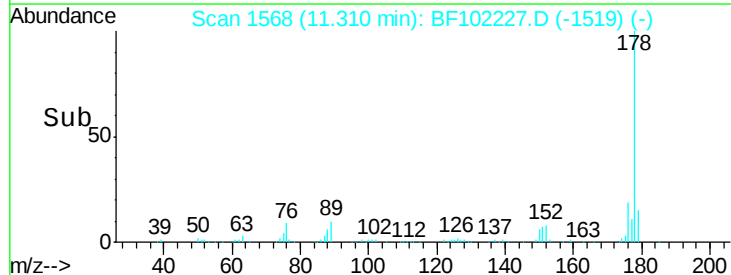
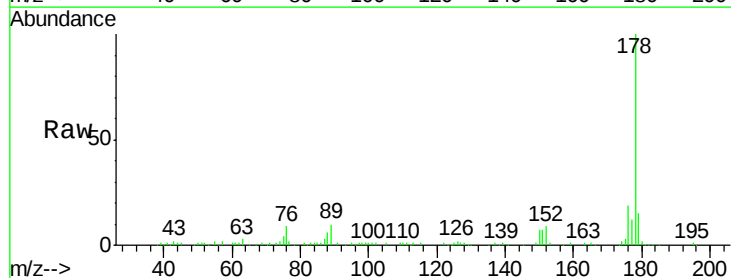
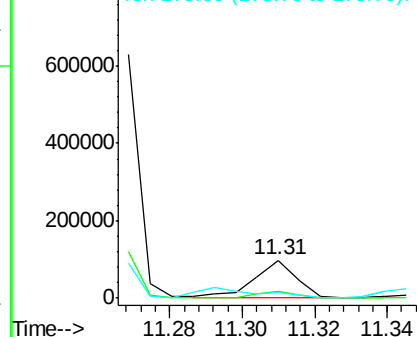
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

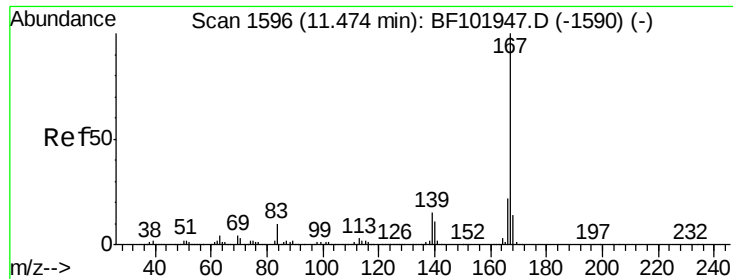


#71
Anthracene
Concen: 2.595 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.2	15.4	23.2		
179	15.0	12.6	19.0		

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





#72

Carbazole

Concen: 5.986 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

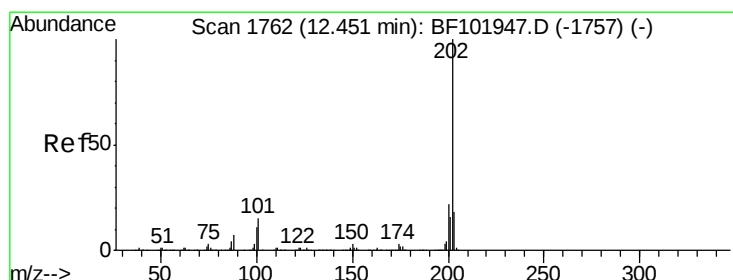
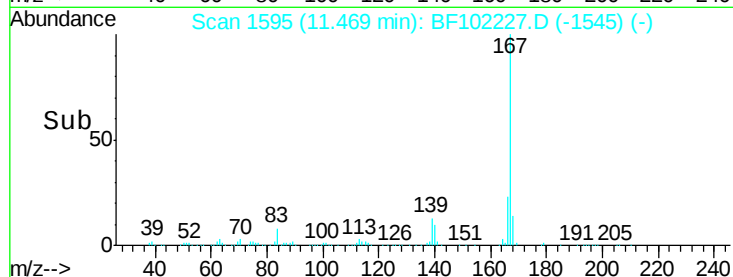
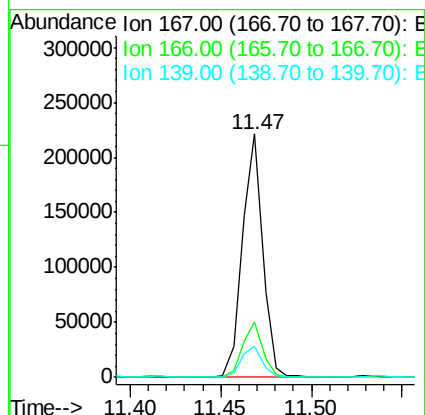
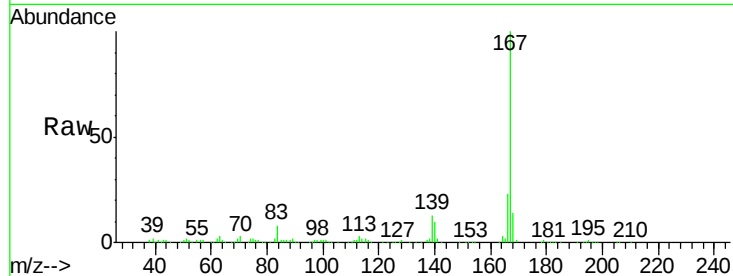
ClientSampled :

2B-2

Tot Ion:	167	Resp:	173189
Ion Ratio		Lower	Upper
167	100		
166	23.0	17.6	26.4
139	12.9	10.9	16.3

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#74

Fluoranthene

Concen: 39.070 ng

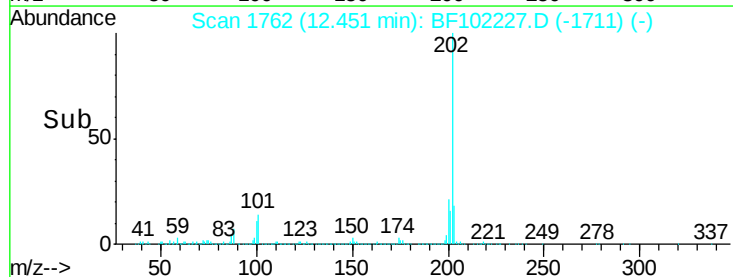
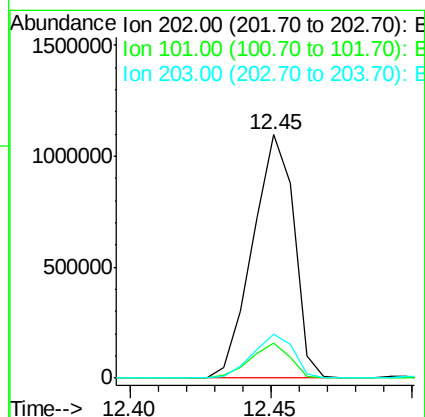
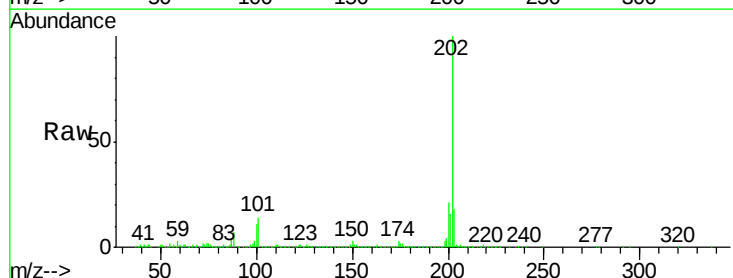
RT: 12.45 min Scan# 1762

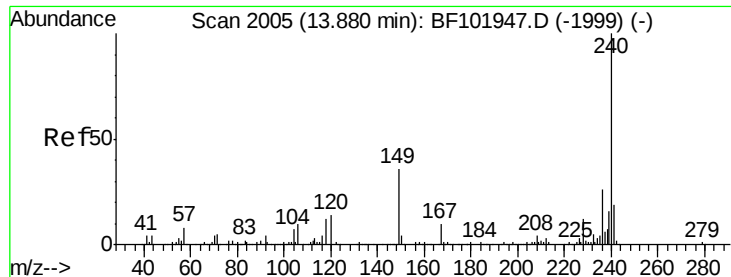
Delta R.T. 0.00 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Tgt Ion:	202	Resp:	1115646
Ion Ratio		Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

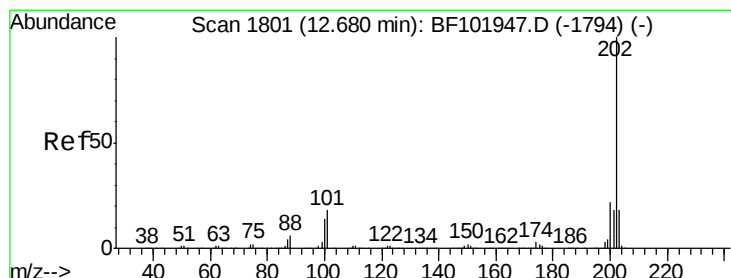
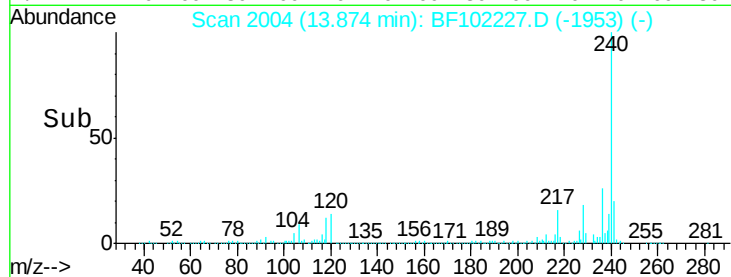
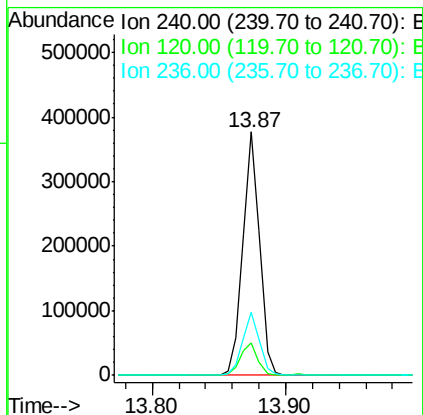
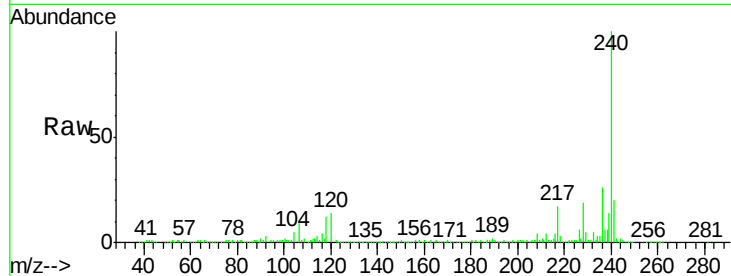
ClientSampled :

2B-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 34.107 ng

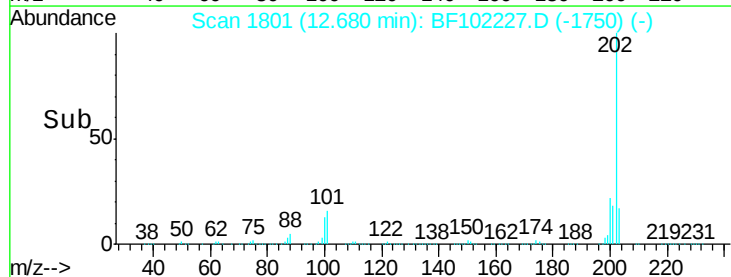
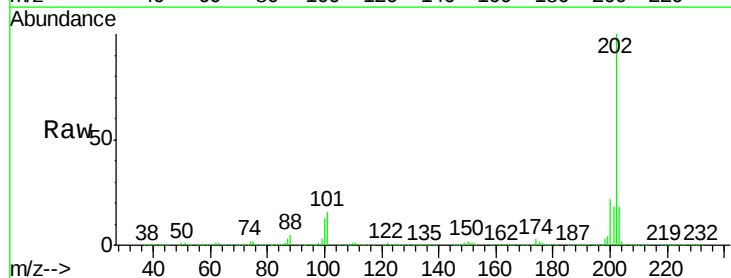
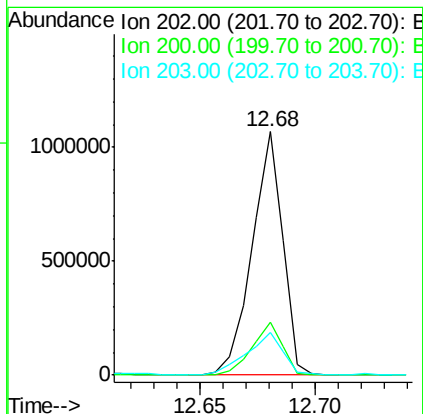
RT: 12.68 min Scan# 1801

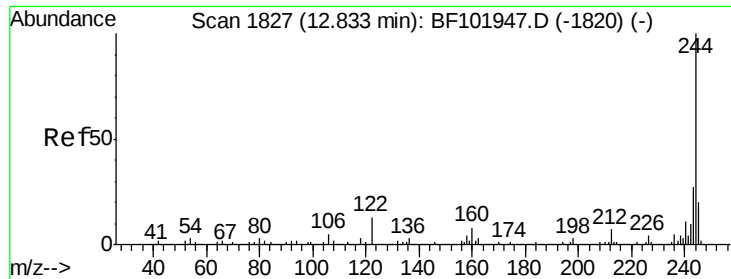
Delta R.T. 0.00 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.7	14.3	21.5





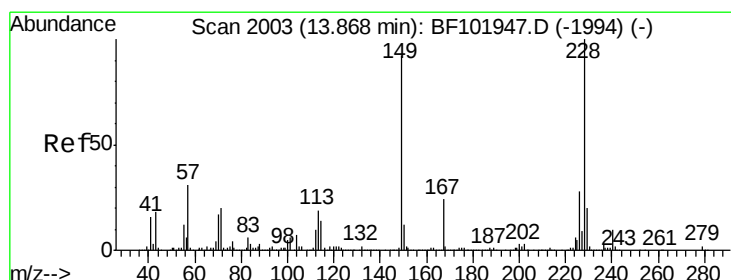
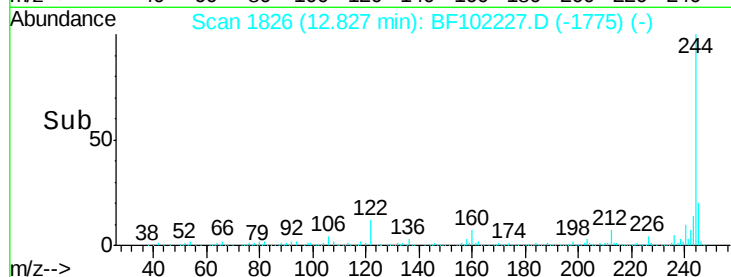
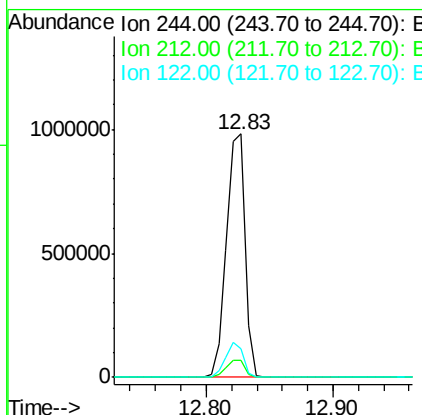
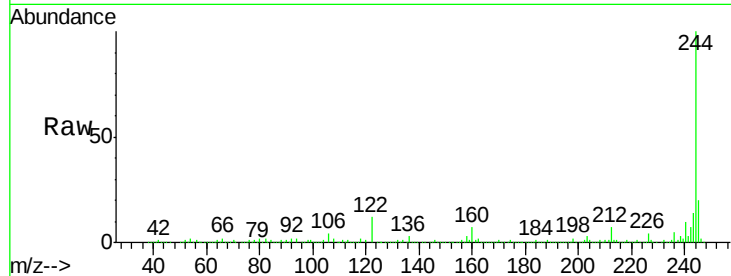
#78
 Terphenyl-d14
 Concen: 63.059 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF102227.D
 Acq: 19 Jan 2018 20:11

Instrument :
 BNA_F
 ClientSampleID :
 2B-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.9	11.0	16.4

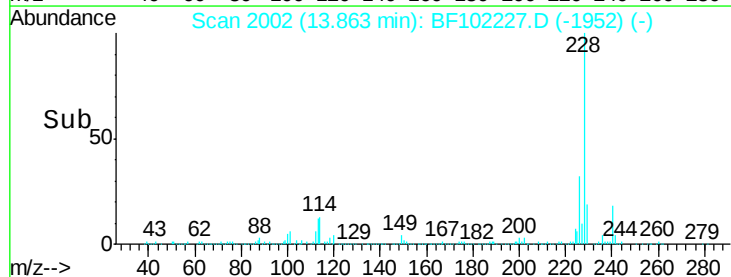
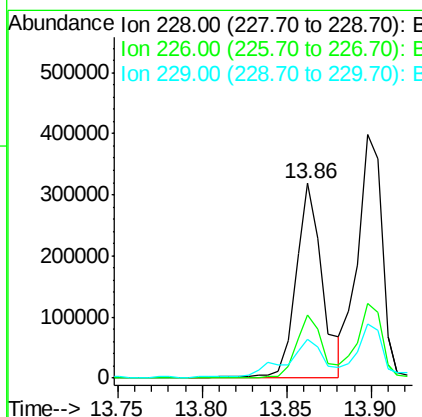
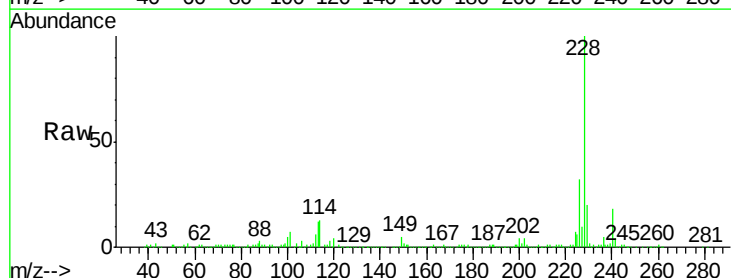
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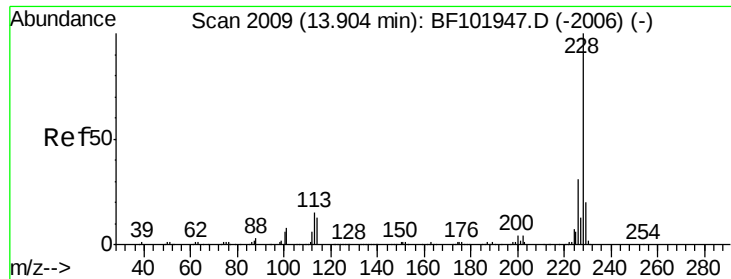
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#80
 Benzo(a)anthracene
 Concen: 16.479 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102227.D
 Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 18.313 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

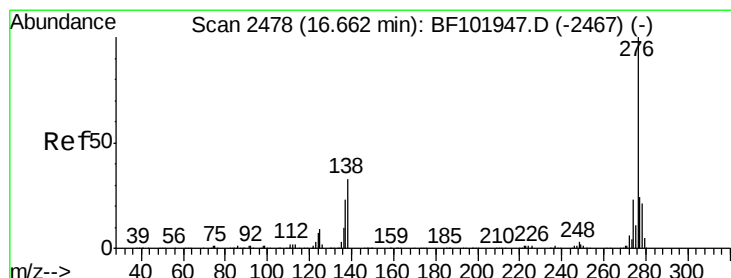
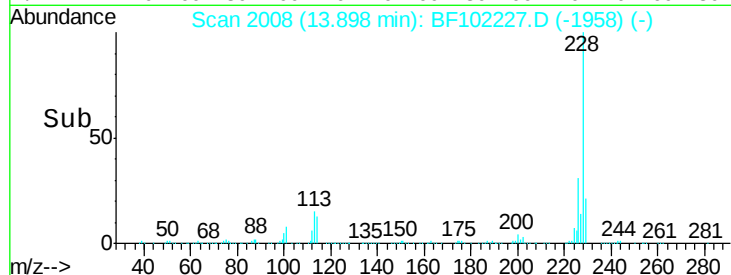
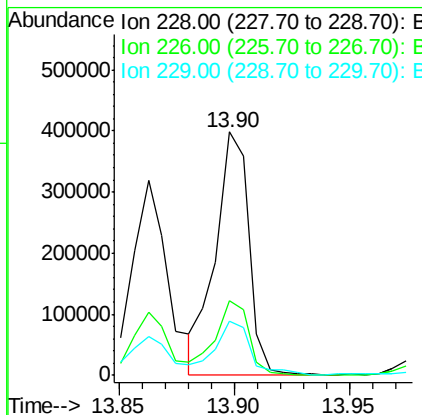
ClientSampled :

2B-2

Tot Ion:	228	Resp:	399482
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	22.1	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.827 ng

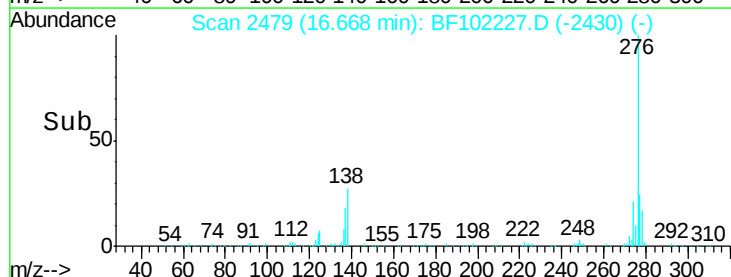
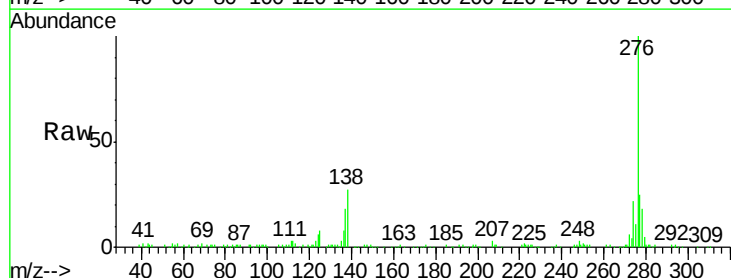
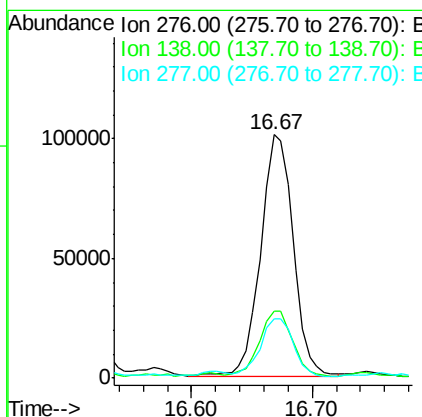
RT: 16.67 min Scan# 2479

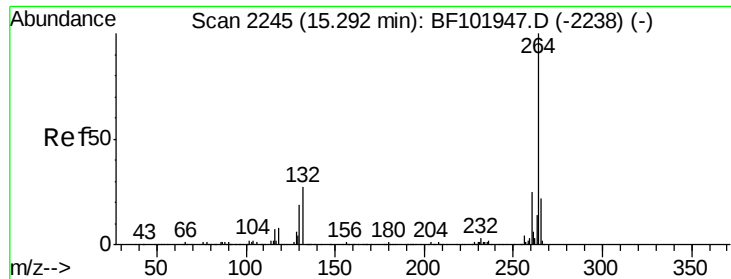
Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Tgt Ion:	276	Resp:	187781
Ion Ratio	Lower	Upper	
276	100		
138	27.9	25.0	37.6
277	24.5	20.1	30.1





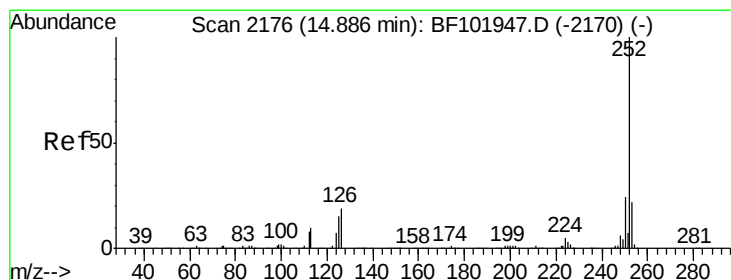
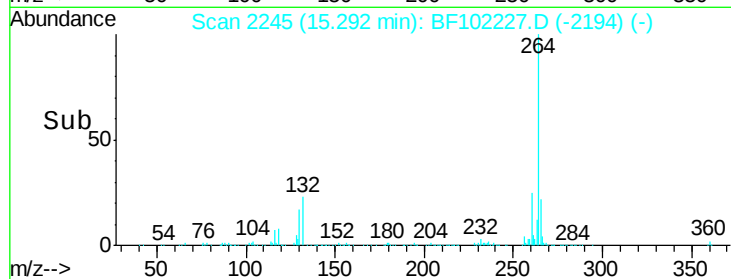
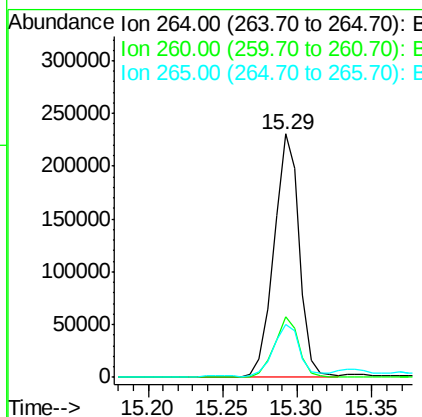
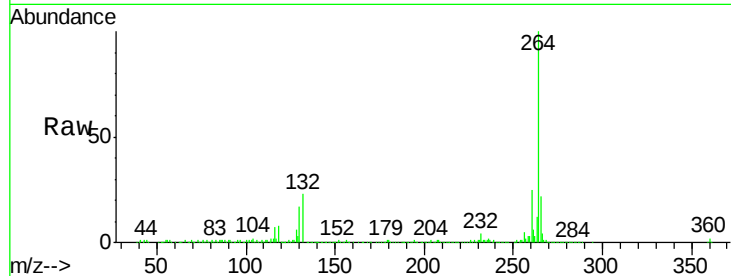
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampled :
2B-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.0	17.5	26.3

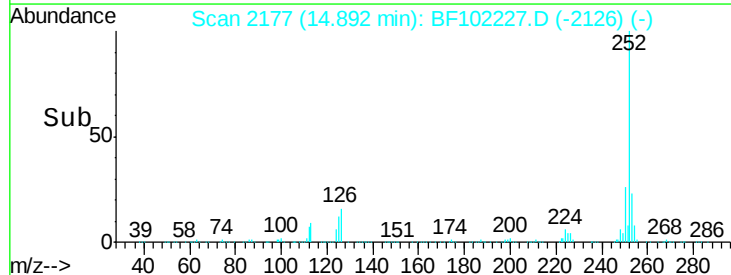
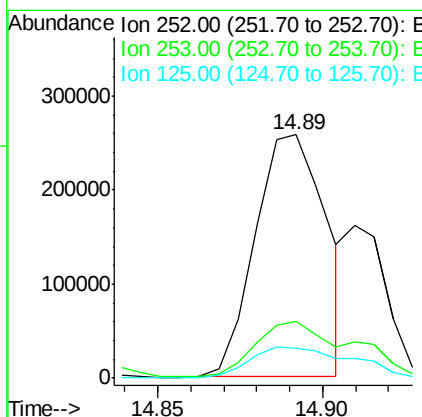
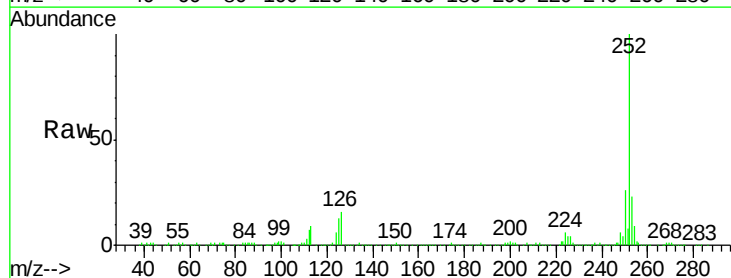
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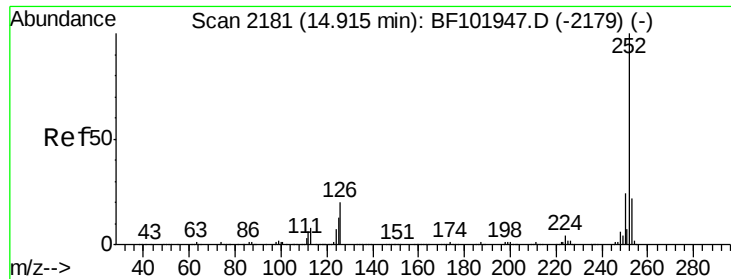
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#87
Benzo(b)fluoranthene
Concen: 21.679 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.5	9.0	13.6





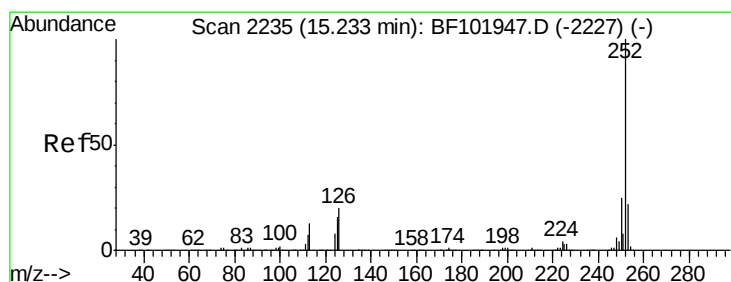
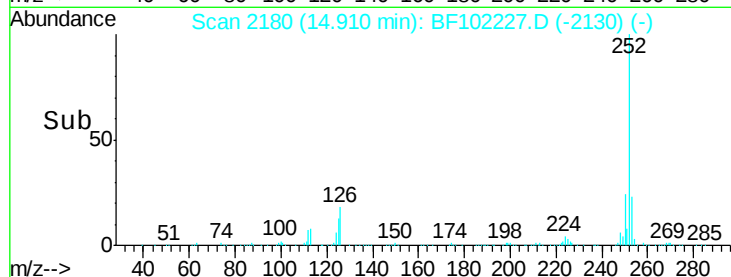
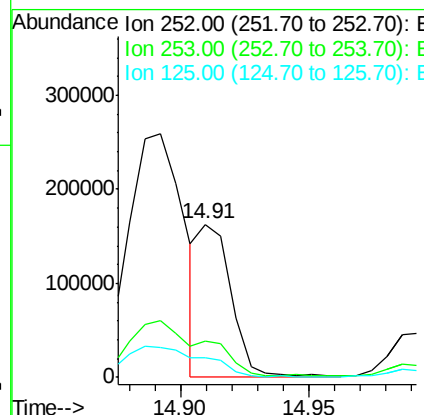
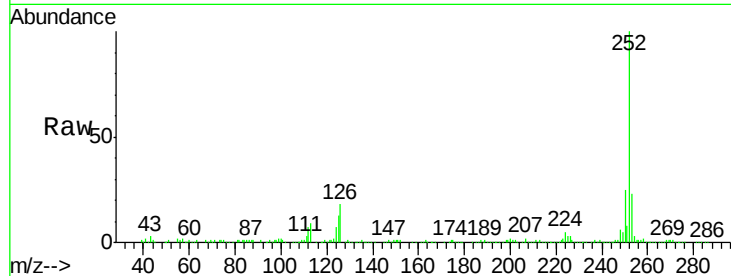
#88
Benzo(k)fluoranthene
Concen: 8.154 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Instrument :
BNA_F
ClientSampleId :
2B-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	13.1	10.2	15.2

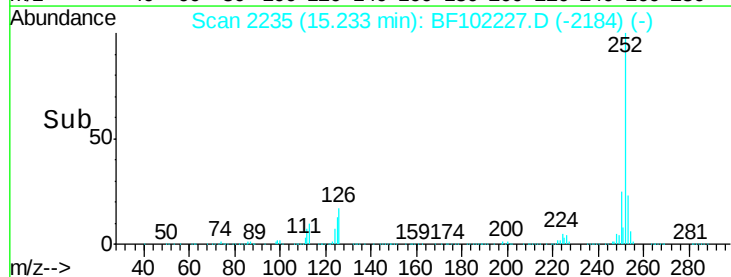
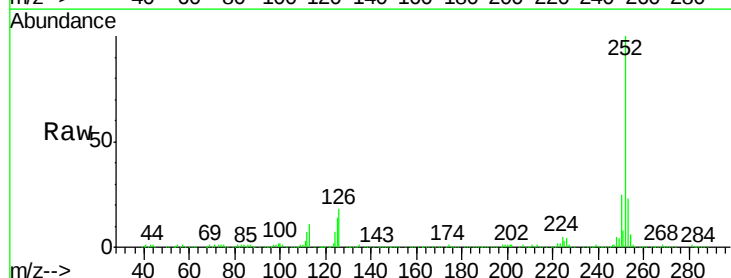
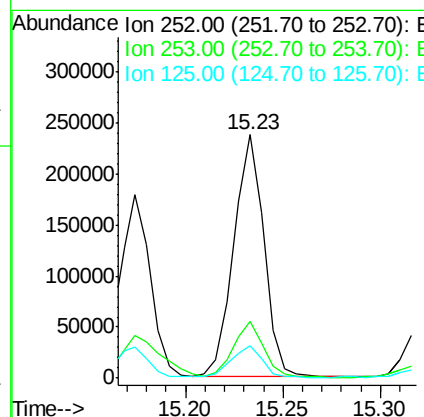
Manual Integrations
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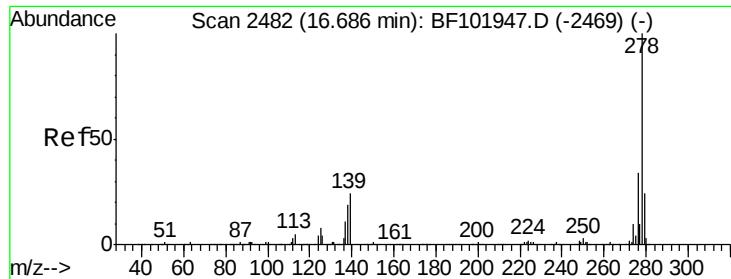
Sohil
1/22/2018 5:24:26 PM



#89
Benzo(a)pyrene
Concen: 15.885 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102227.D
Acq: 19 Jan 2018 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	13.6	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.637 ng/mL

RT: 16.68 min Scan# 2481

Delta R.T. -0.02 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Instrument :

BNA_F

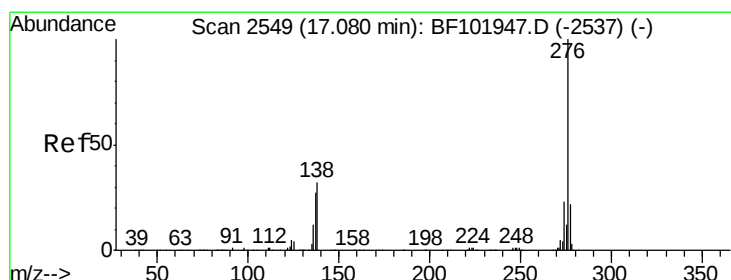
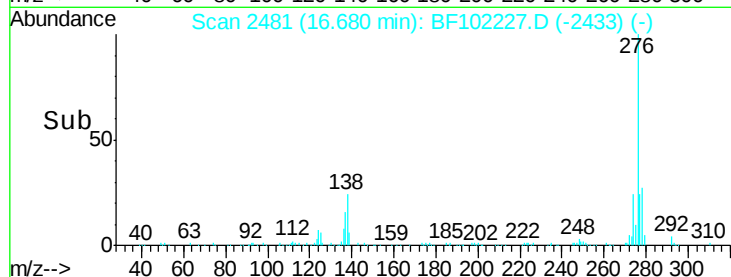
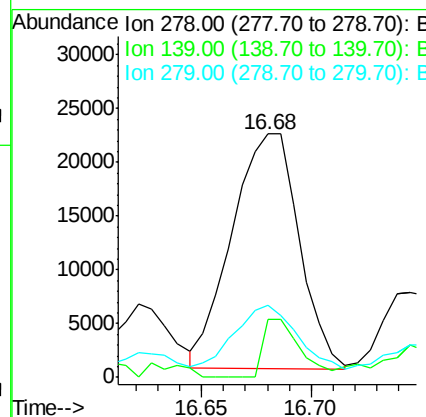
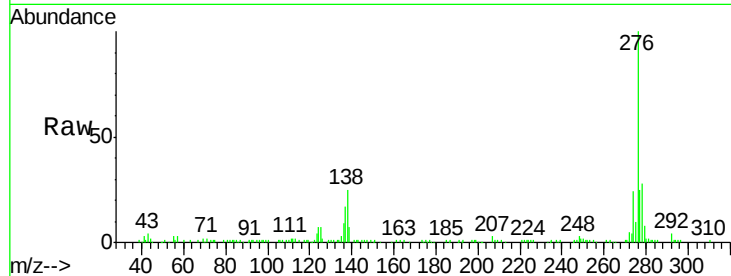
ClientSampleId :

2B-2

Tot Ion:	278	Resp:	46412
Ion Ratio	Lower	Upper	
278	100		
139	23.9	15.9	23.9
279	29.6	19.0	28.4

Manual Integrations
APPROVED

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#91

Benzo(g,h,i)perylene

Concen: 14.683 ng/mL

RT: 17.09 min Scan# 2551

Delta R.T. -0.01 min

Lab File: BF102227.D

Acq: 19 Jan 2018 20:11

Tgt Ion:	276	Resp:	188738
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	26.6	21.8	32.8

