

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103765.D
 Acq On : 19 Mar 2018 19:36
 Operator : JU/SJ
 Sample : J1965-02 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-112(6-7)

Manual Integrations
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Quant Time: Mar 20 01:32:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	154588	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	618328	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	264189	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	432289	20.00	ng	0.00
75) Chrysene-d12	14.16	240	319644	20.00	ng	0.00
86) Perylene-d12	15.70	264	253193	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	515784	50.75	ng	0.00
7) Phenol-d6	6.59	99	622960	50.10	ng	0.00
23) Nitrobenzene-d5	7.53	82	356076	40.16	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	129459	56.99	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	628540	37.95	ng	0.00
78) Terphenyl-d14	13.09	244	523129	37.99	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.60	94	27680	2.095	ng	94
31) Naphthalene	8.27	128	499057	15.978	ng	99
48) Acenaphthylene	9.87	152	82233	3.031	ng	99
49) Dimethylphthalate	9.72	163	62570	3.104	ng	98
70) Phenanthrene	11.53	178	337370	14.267	ng	99
71) Anthracene	11.58	178	129187	5.379	ng	98
74) Fluoranthene	12.73	202	528774	21.705	ng	97
77) Pyrene	12.96	202	450539	19.193	ng	99
80) Benzo(a)anthracene	14.14	228	245496	12.133	ng	95
82) Chrysene	14.19	228	221414	11.480	ng	97
83) Bis(2-ethylhexyl)phthalate	14.12	149	85929	5.783	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	110096	6.536	ng	# 92
87) Benzo(b)fluoranthene	15.24	252	246902m	15.435	ng	
88) Benzo(k)fluoranthene	15.27	252	89047m	5.791	ng	
89) Benzo(a)pyrene	15.63	252	171138	11.796	ng	# 95
90) Dibenzo(a,h)anthracene	17.28	278	27050	2.153	ng	# 72
91) Benzo(a,h,i)perylene	17.75	276	105450	8.628	ng	97

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

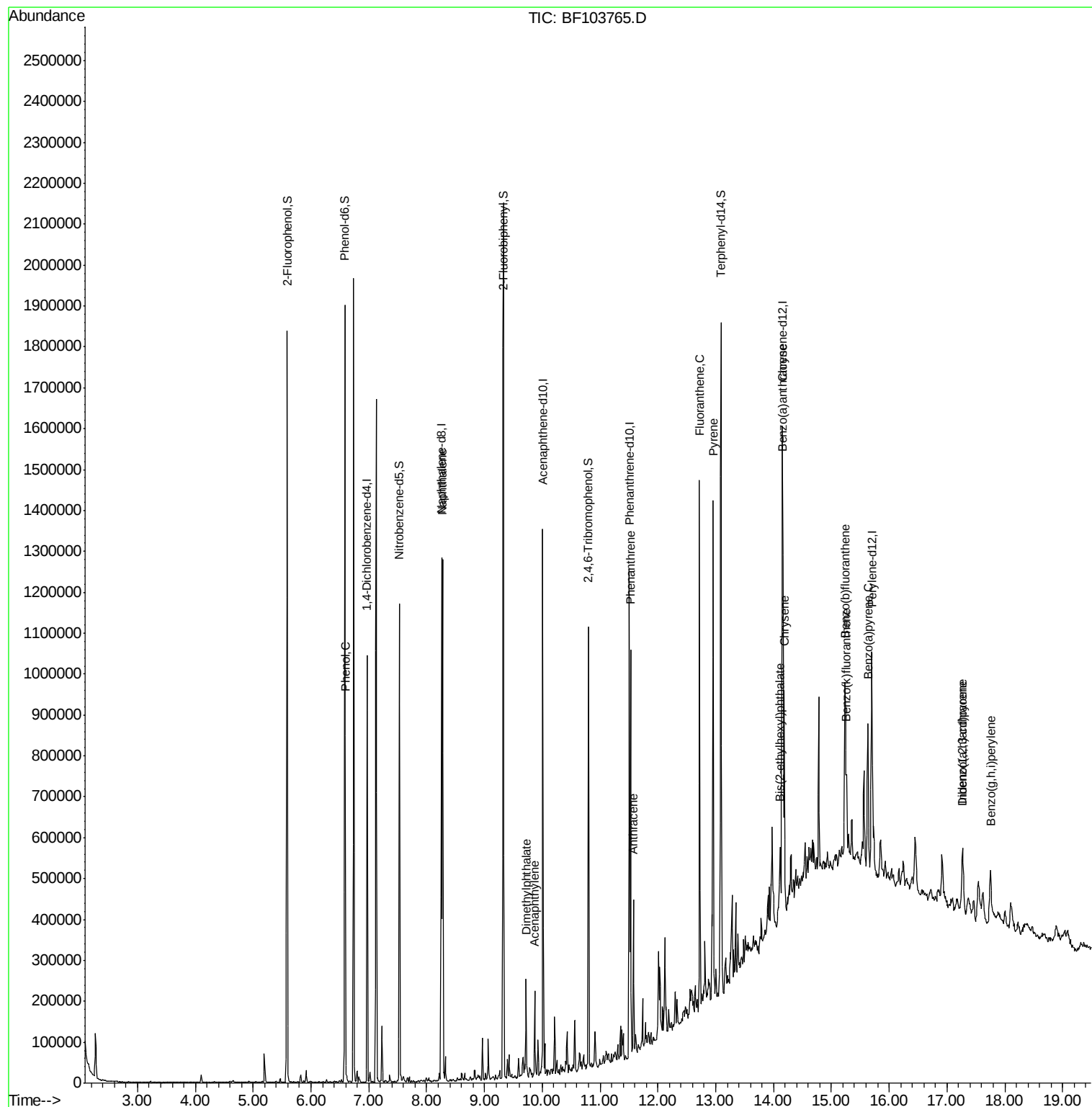
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
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ALS Vial : 8 Sample Multiplier: 1

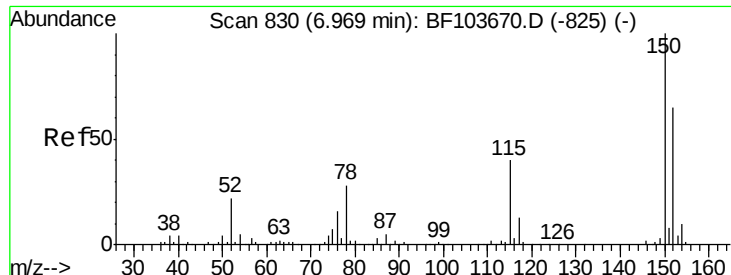
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#1

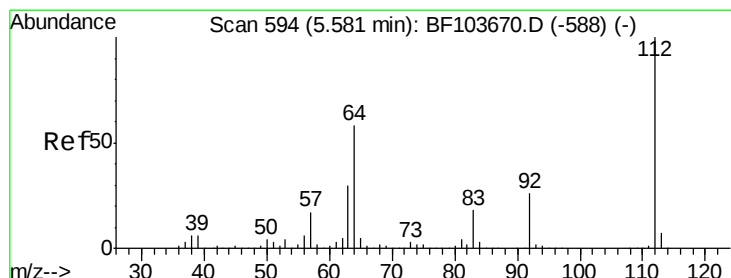
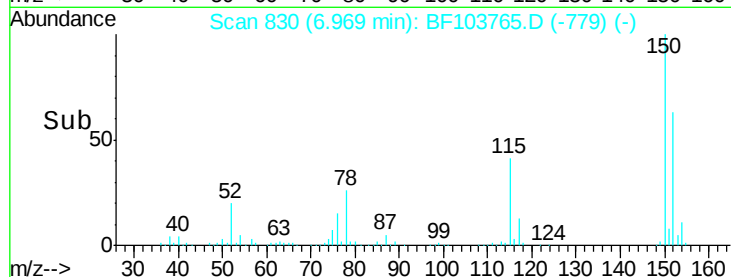
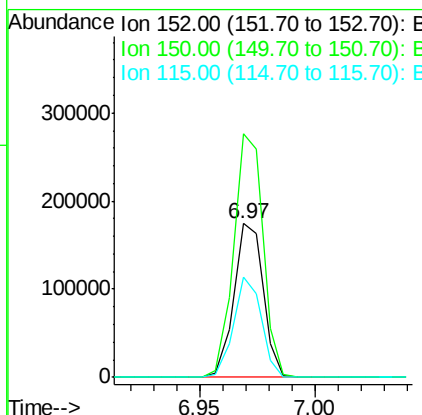
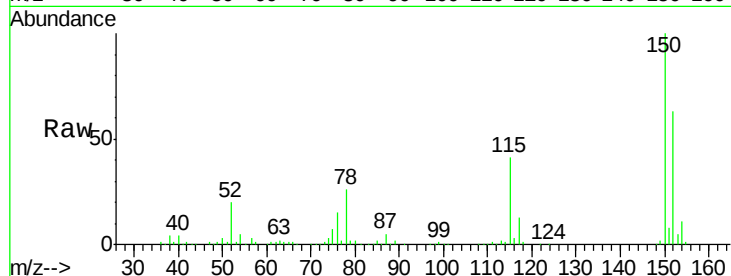
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-112(6-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	65.0	50.1	75.1

Manual Integrations
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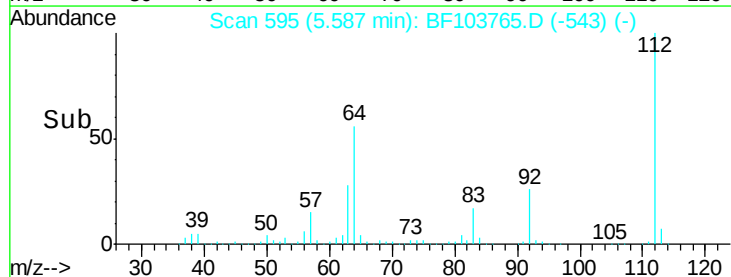
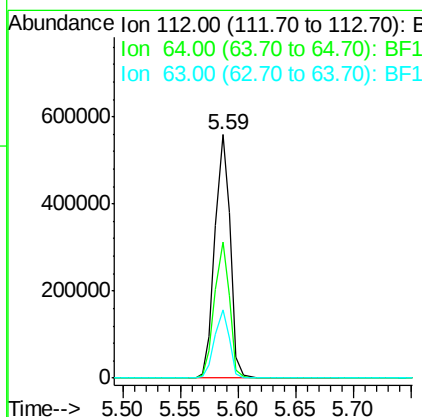
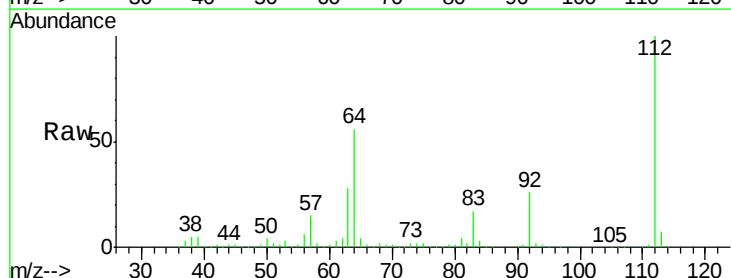
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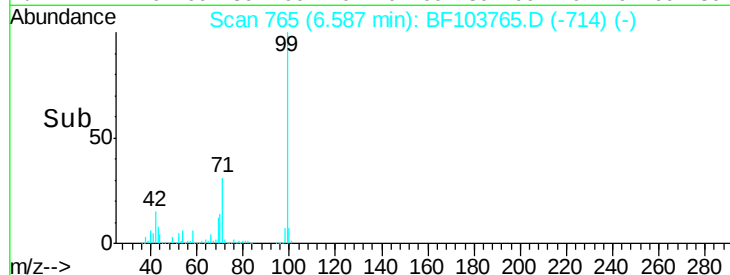
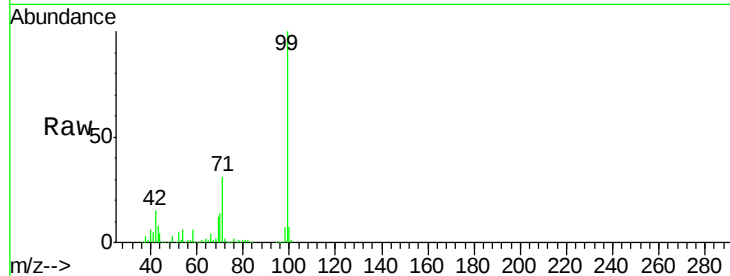


#5

2-Fluorophenol
 Concen: 50.748 ng
 RT: 5.59 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 50.099 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Tot Ion:	99	Resp:	622960
Ion	Ratio	Lower	Upper
99	100		
42	15.3	14.5	21.7
71	31.0	25.4	38.0

Instrument :

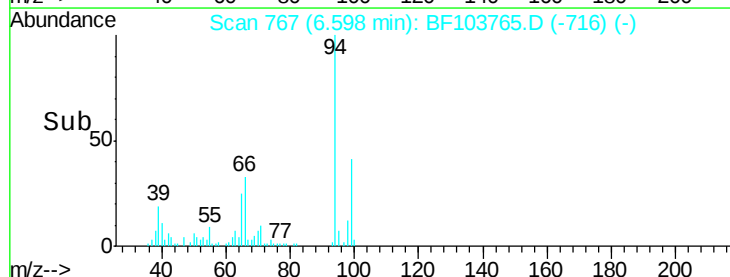
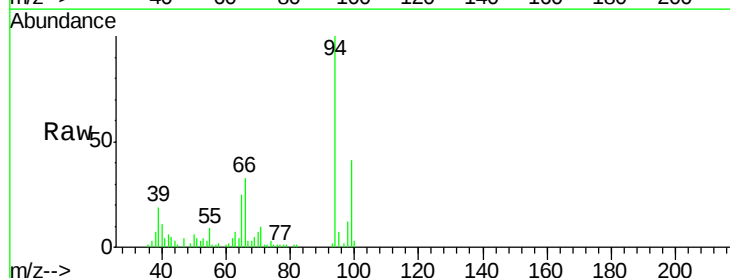
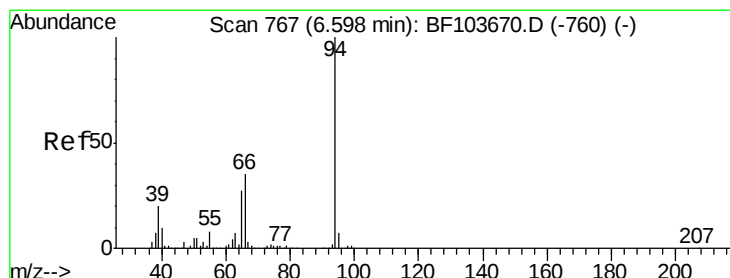
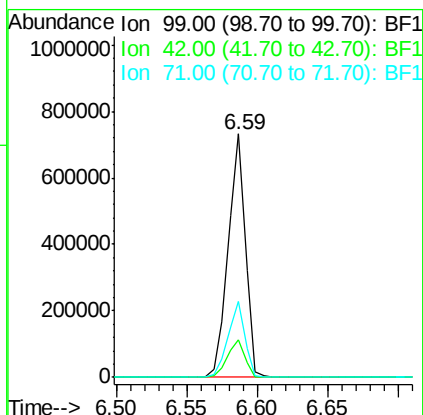
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.095 ng

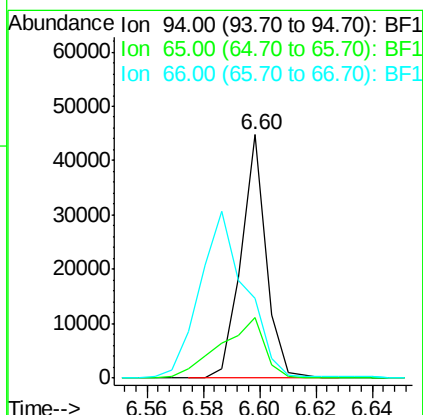
RT: 6.60 min Scan# 767

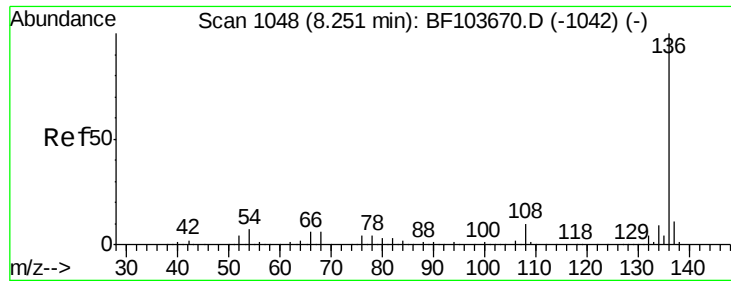
Delta R.T. 0.00 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Tgt Ion:	94	Resp:	27680
Ion	Ratio	Lower	Upper
94	100		
65	24.7	7.9	47.9
66	32.9	16.2	56.2





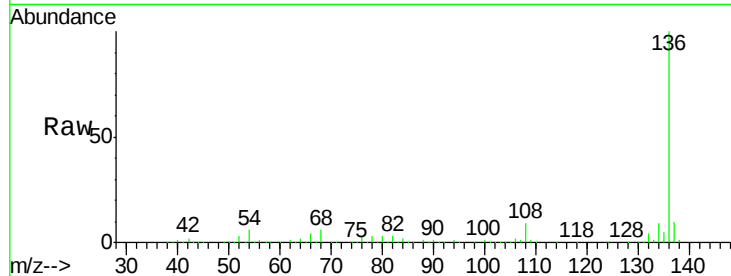
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Instrument :
BNA_F
ClientSampleId :
SB-112(6-7)

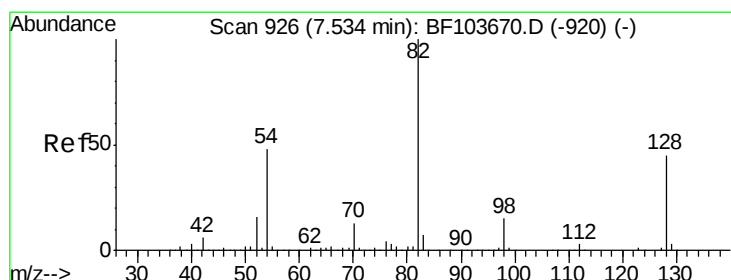
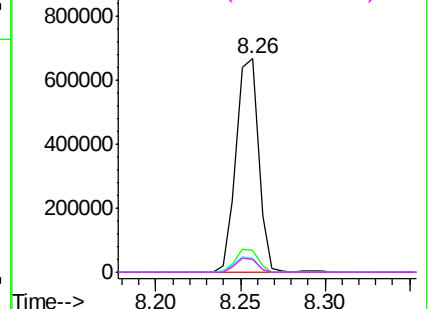
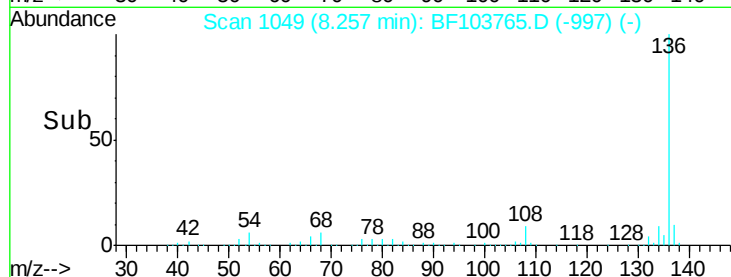
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.3		8.9	13.3	
54	6.3		6.6	9.8#	
68	5.8		5.0	7.4	

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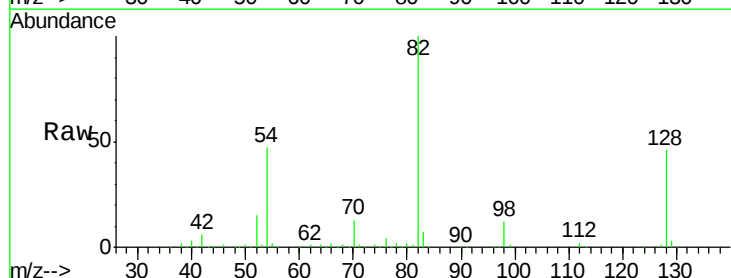


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

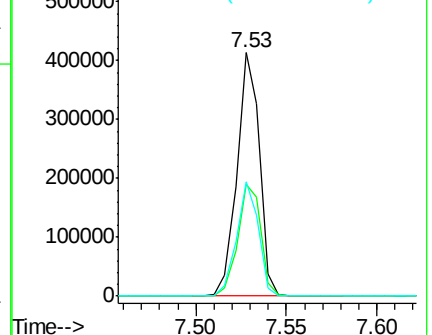
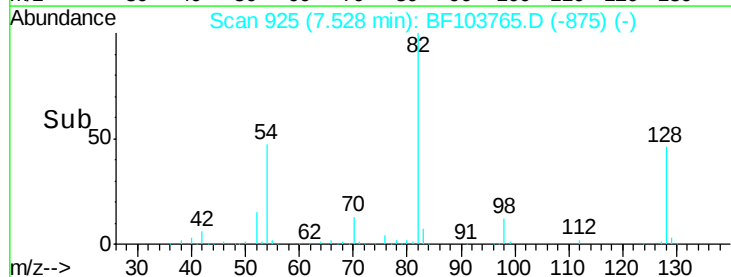


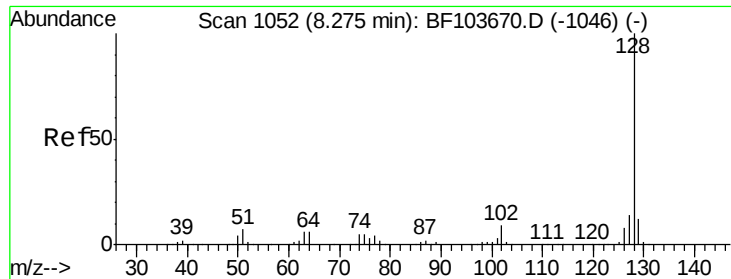
#23
Nitrobenzene-d5
Concen: 40.159 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	46.0		36.1	54.1	
54	46.7		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





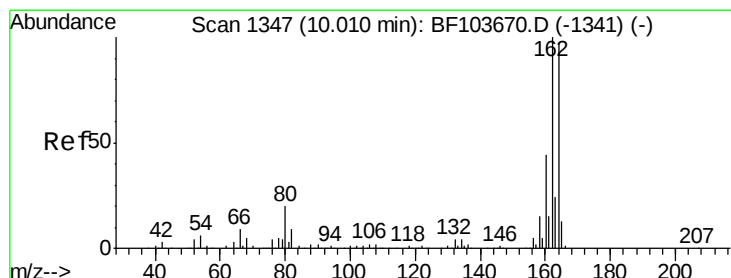
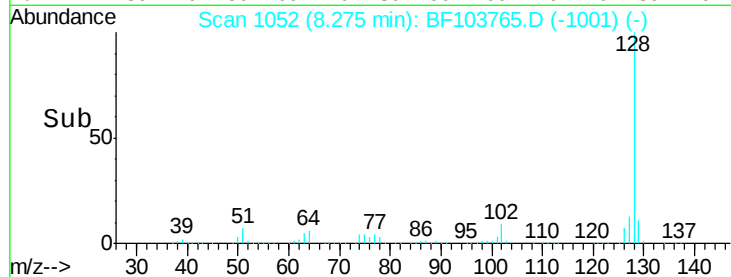
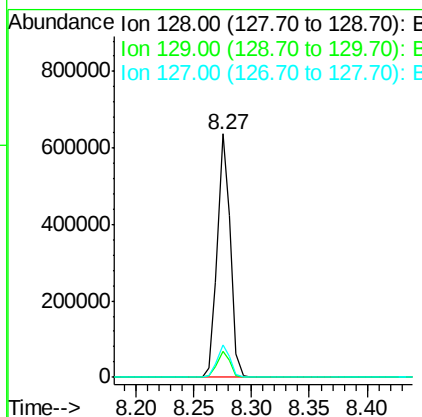
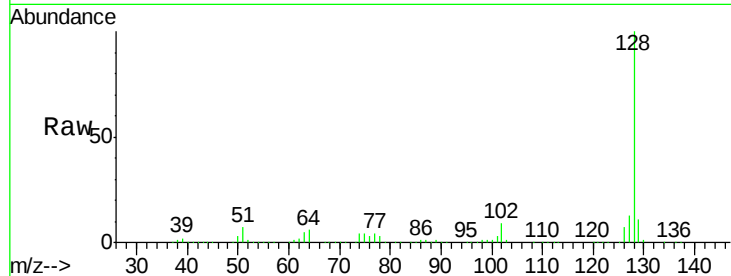
#31
Naphthalene
Concen: 15.978 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

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BNA_F
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Tot Ion	Ratio	Resp	Lower	Upper
128	100	499057		
129	10.8		8.8	13.2
127	13.1		10.9	16.3

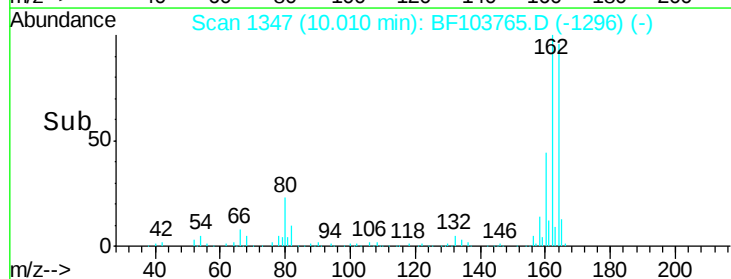
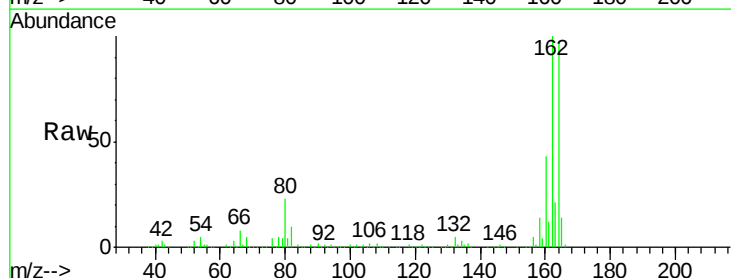
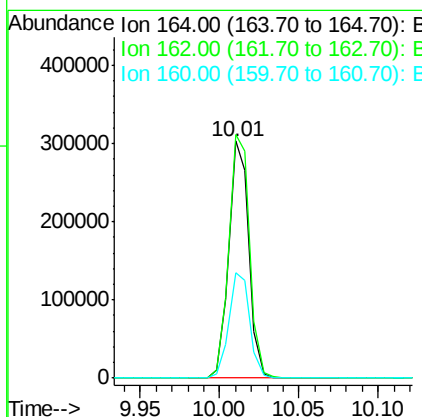
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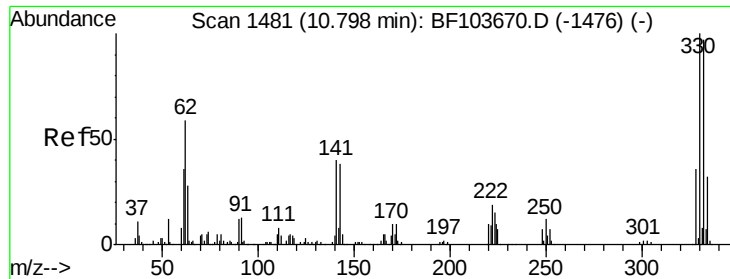
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	264189		
162	102.7		86.1	129.1
160	44.6		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 56.992 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.01 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Instrument :

BNA_F

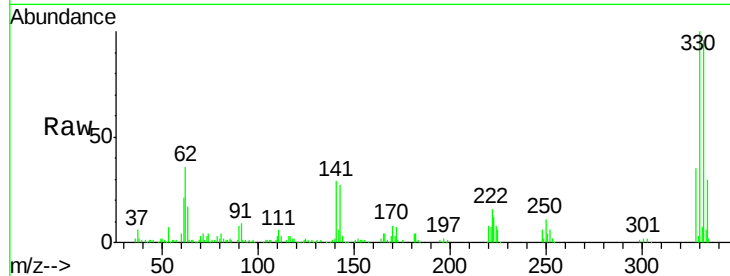
ClientSampleId :

SB-112(6-7)

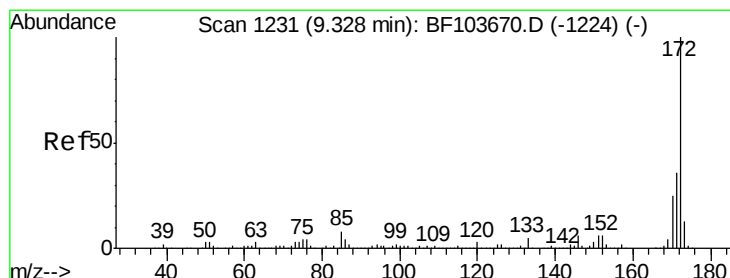
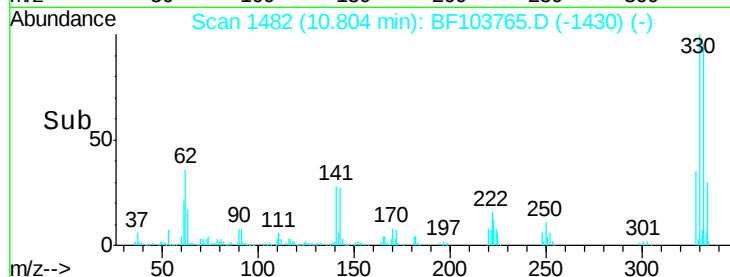
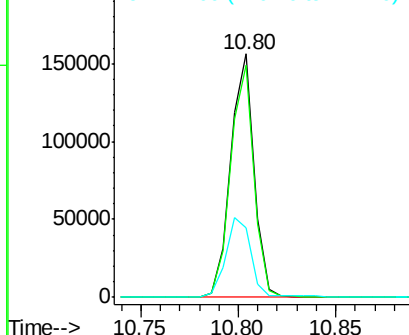
Tot Ion:	330	Resp:	129459
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	36.9	29.9	44.9

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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: 37.951 ng

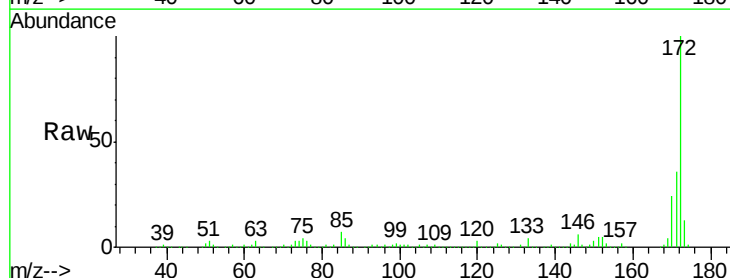
RT: 9.33 min Scan# 1231

Delta R.T. 0.00 min

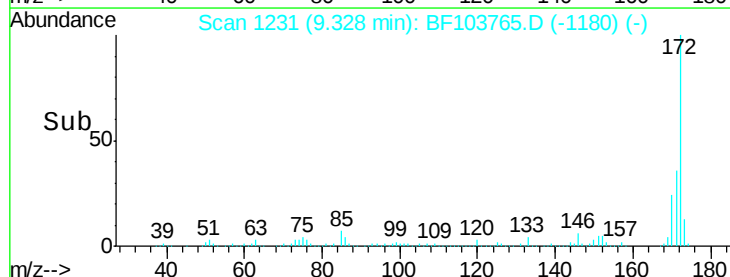
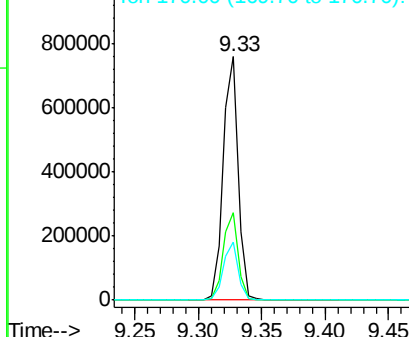
Lab File: BF103765.D

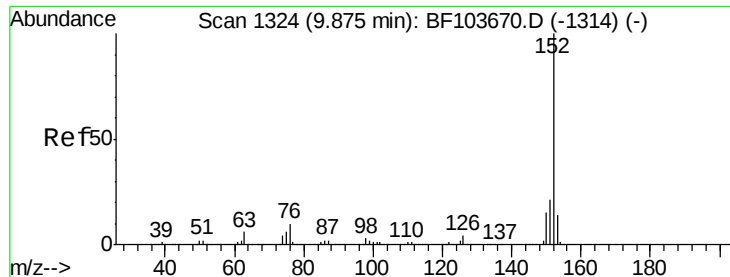
Acq: 19 Mar 2018 19:36

Tgt Ion:	172	Resp:	628540
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	23.8	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: 3.031 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Instrument :

BNA_F

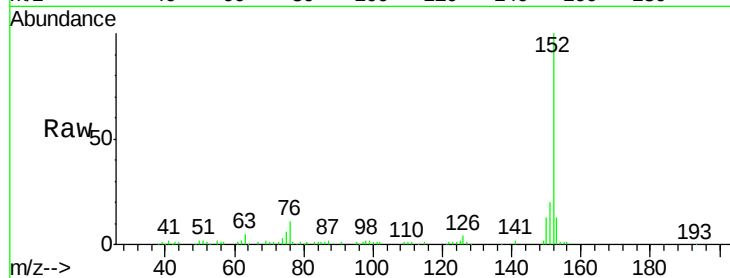
ClientSampleId :

SB-112(6-7)

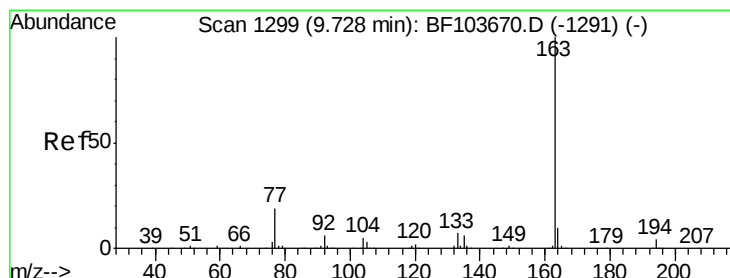
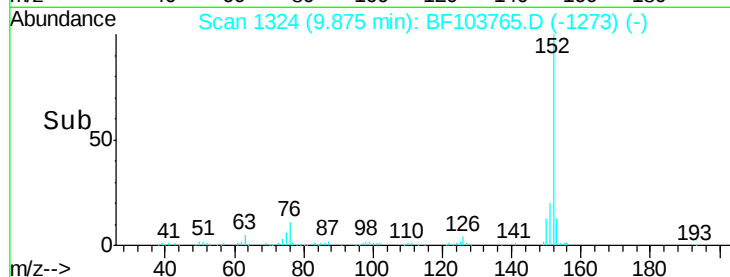
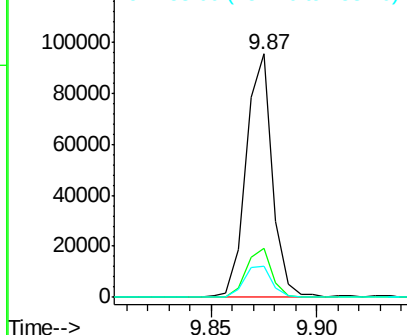
Tot Ion:	152	Resp:	82233
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.0	10.7	16.1

Manual Integrations
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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: 3.104 ng

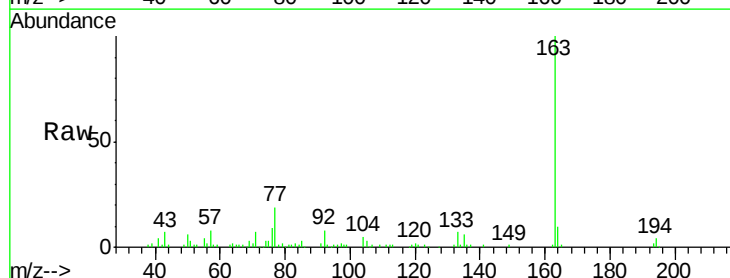
RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

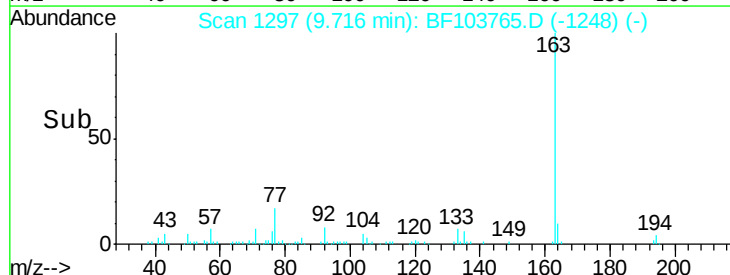
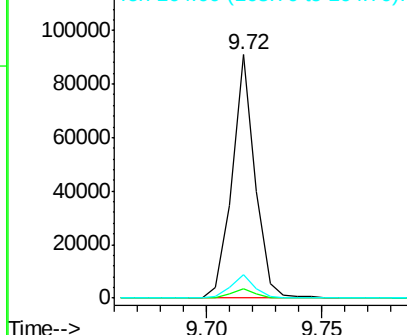
Lab File: BF103765.D

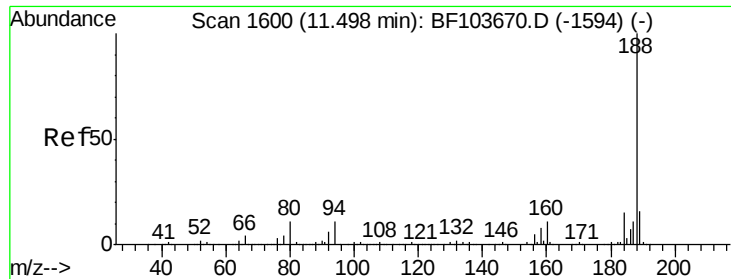
Acq: 19 Mar 2018 19:36

Tgt Ion:	163	Resp:	62570
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1
164	9.7	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





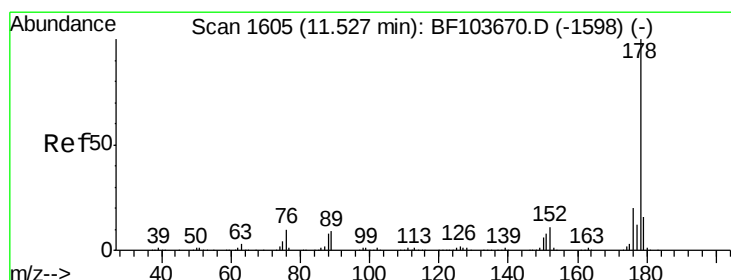
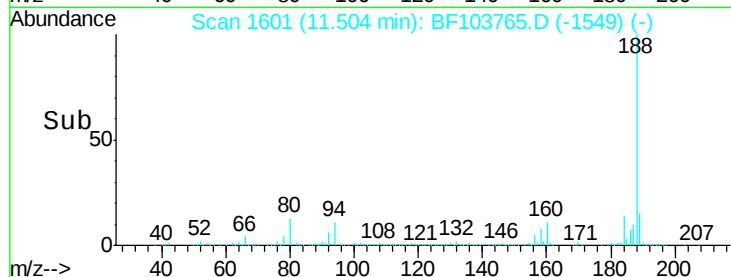
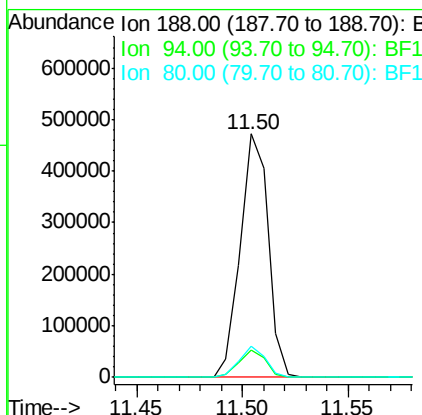
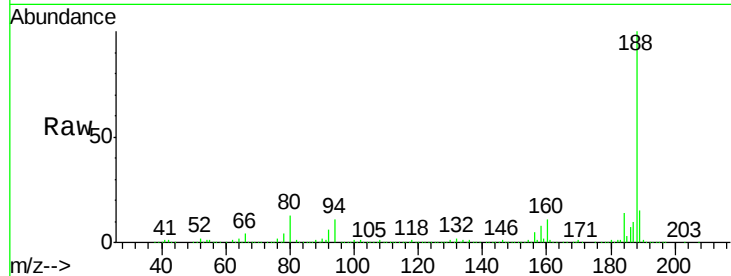
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-112(6-7)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	432289		
94	11.5		8.5	12.7
80	12.7		9.2	13.8

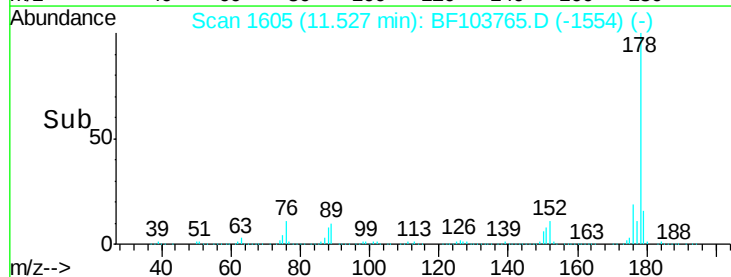
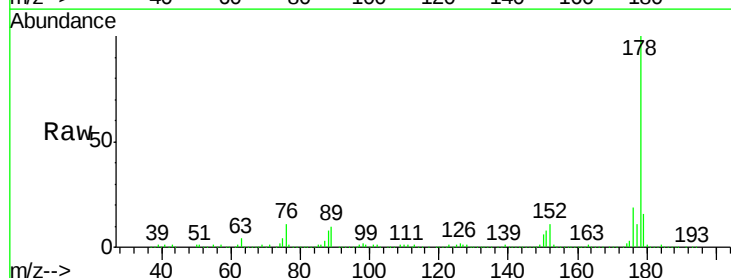
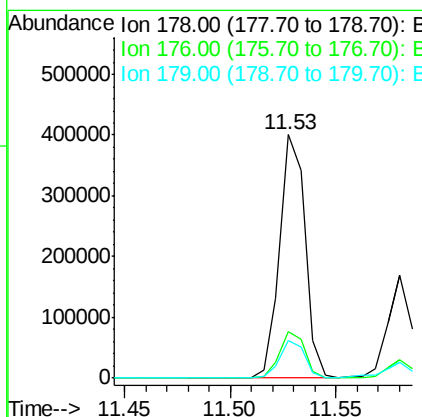
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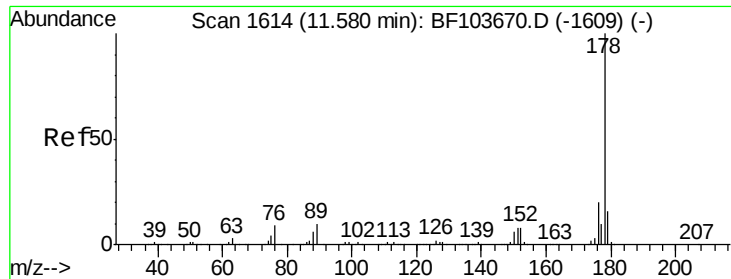
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#70
 Phenanthrene
 Concen: 14.267 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	337370		
176	19.2		15.8	23.8
179	15.6		13.0	19.6





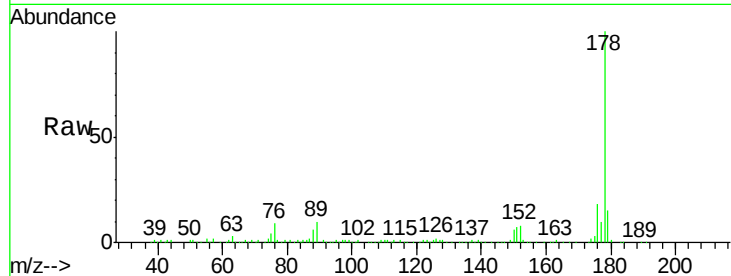
#71
 Anthracene
 Concen: 5.379 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Instrument :
 BNA_F
 ClientSampled :
 SB-112(6-7)

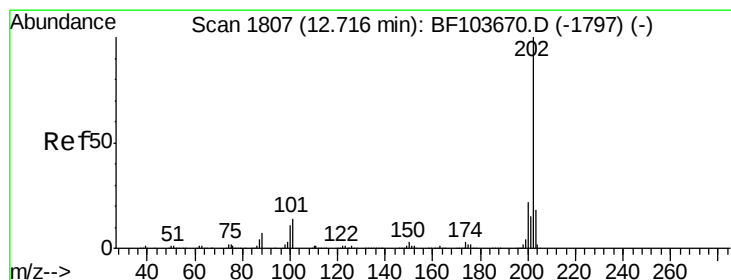
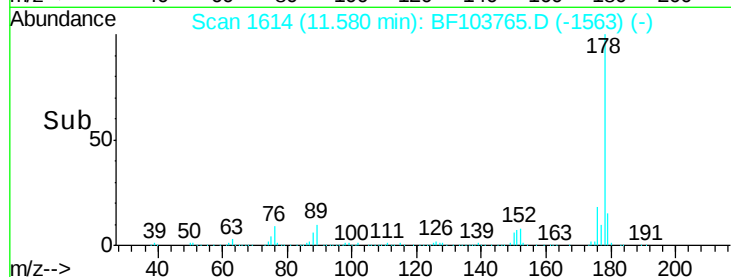
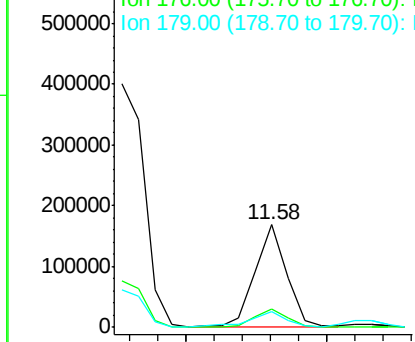
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.3	12.6	19.0

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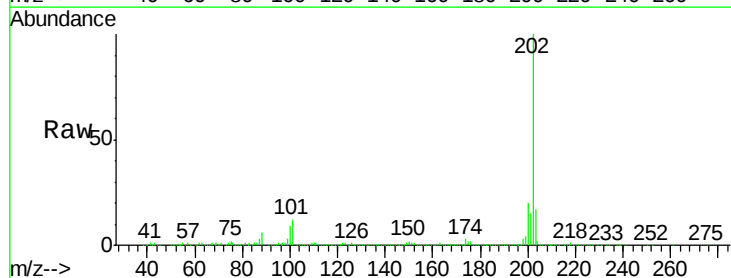


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

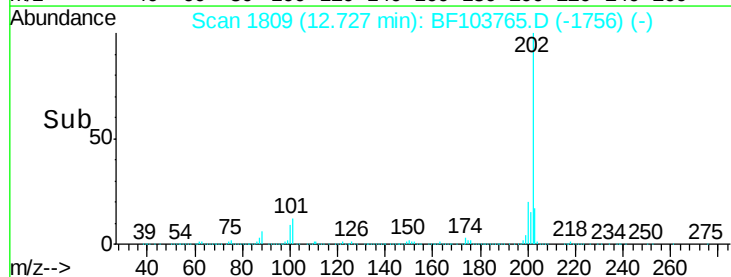
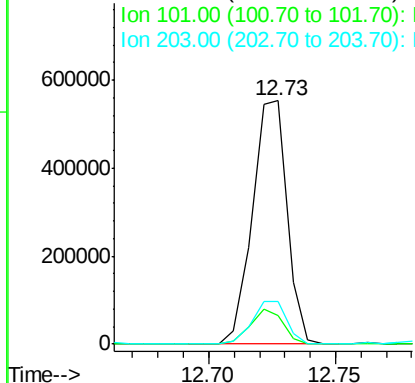


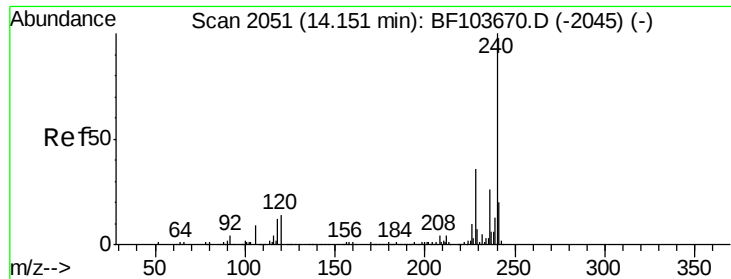
#74
 Fluoranthene
 Concen: 21.705 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.5	0.0	38.1



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





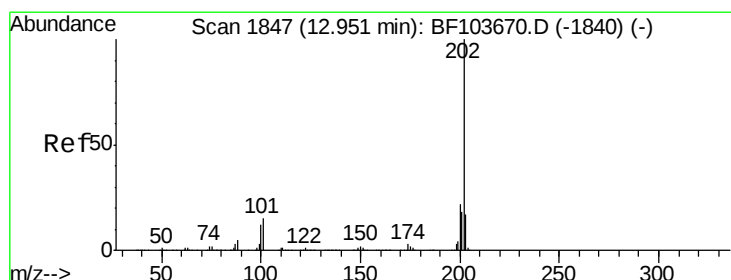
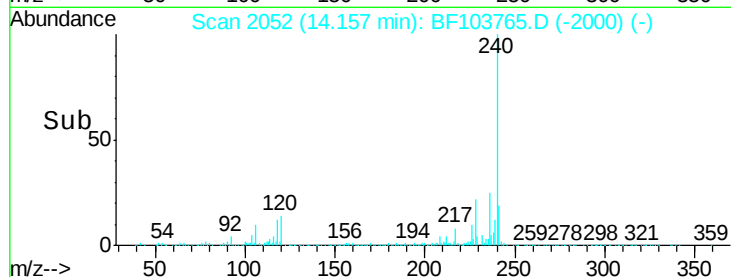
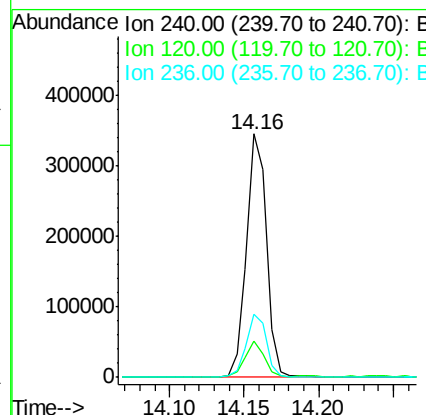
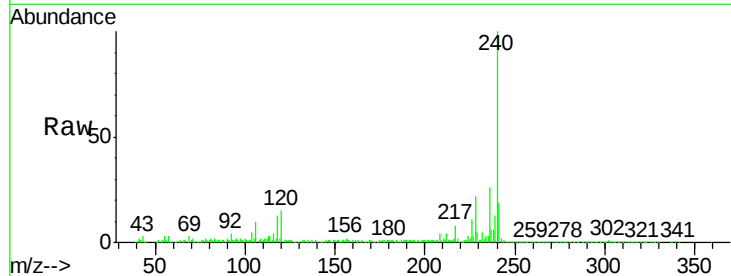
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Instrument :
BNA_F
ClientSampleId :
SB-112(6-7)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3
236	25.7	20.7	31.1

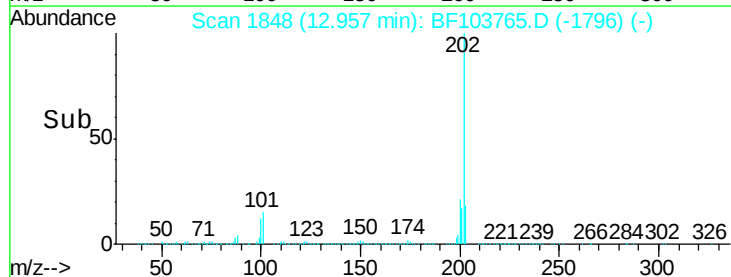
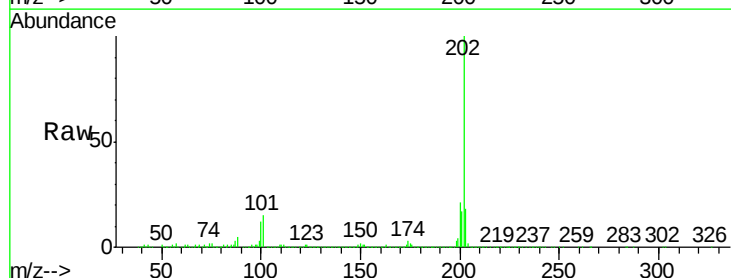
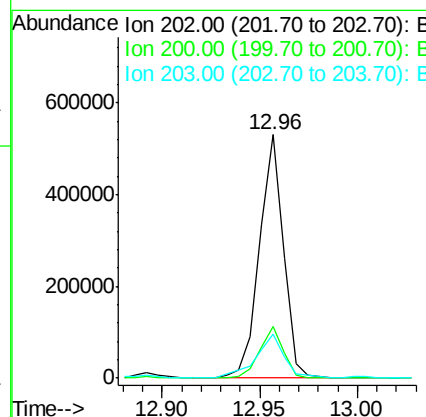
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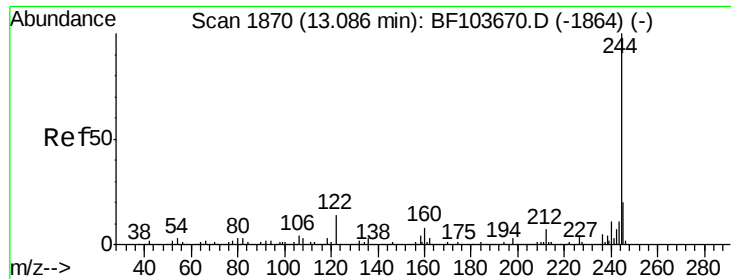
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#77
Pyrene
Concen: 19.193 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 37.988 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Instrument :

BNA_F

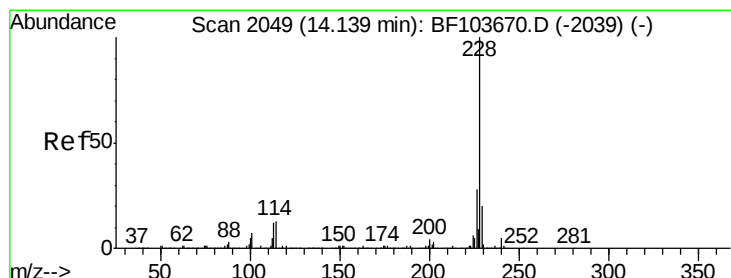
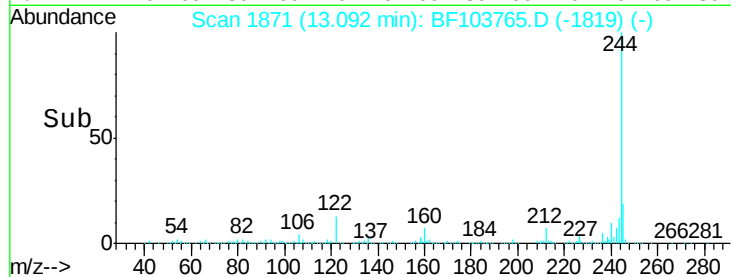
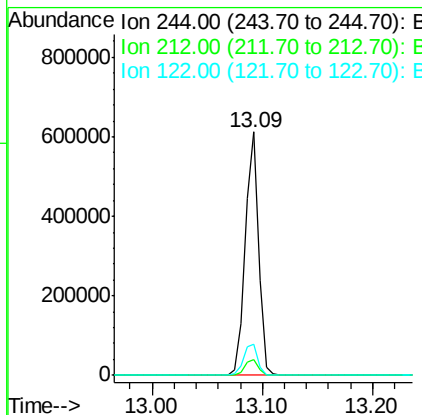
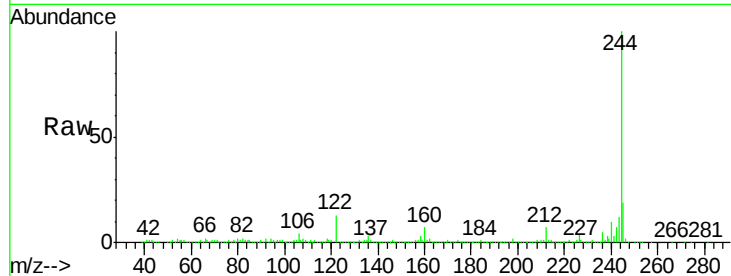
ClientSampleId :

SB-112(6-7)

Tot Ion:	244	Resp:	523129
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 12.133 ng

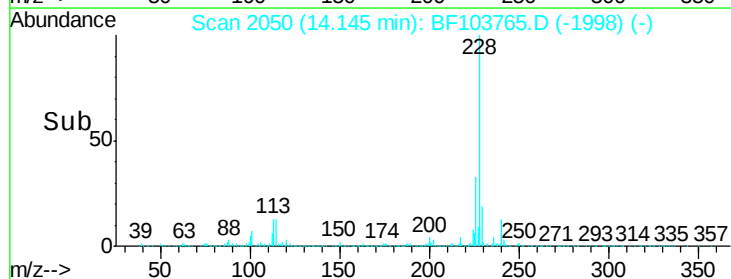
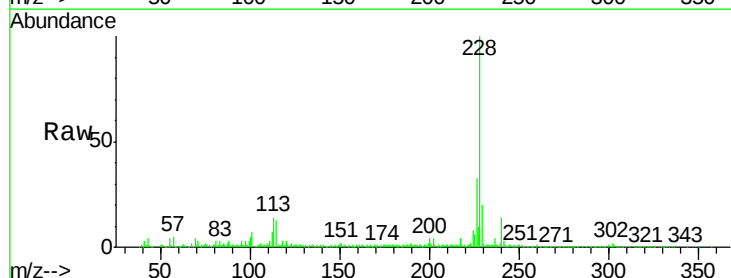
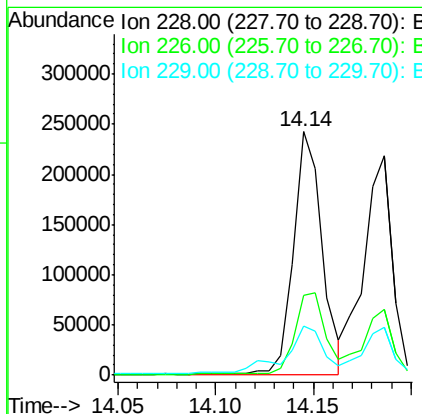
RT: 14.14 min Scan# 2050

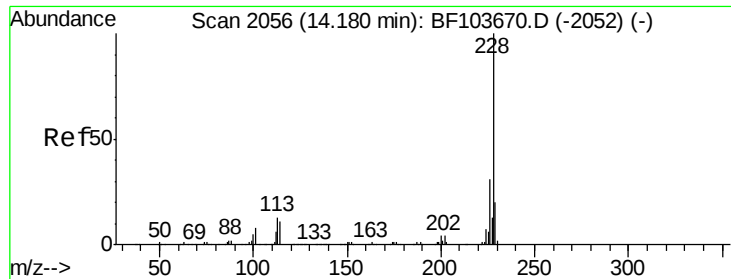
Delta R.T. 0.01 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Tgt Ion:	228	Resp:	245496
Ion Ratio	Lower	Upper	
228	100		
226	32.8	22.6	33.8
229	19.9	15.8	23.6





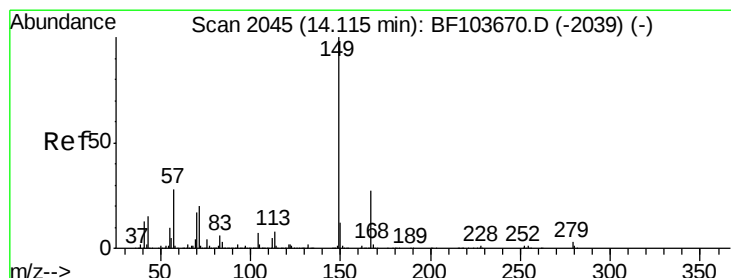
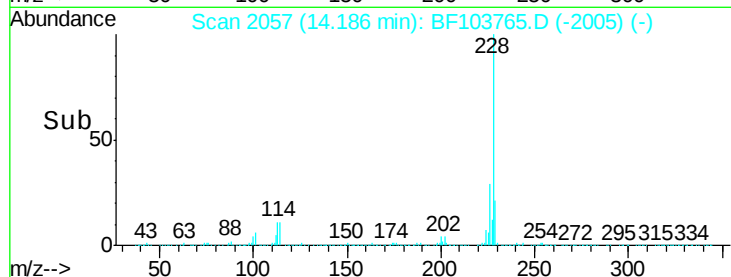
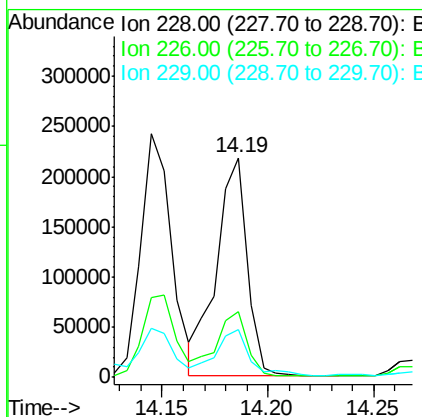
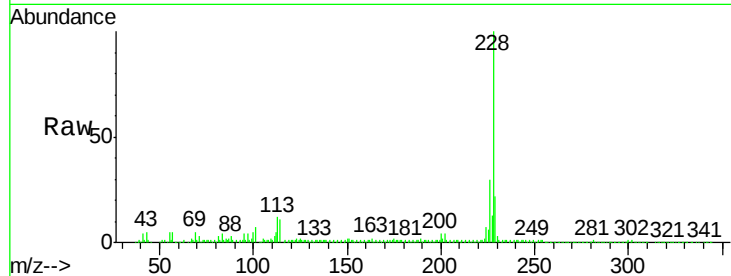
#82
Chrysene
Concen: 11.480 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Instrument :
BNA_F
ClientSampleId :
SB-112(6-7)

Tot Ion:228	Resp:	221414
Ion Ratio	Lower	Upper
228 100		
226 29.7	25.0	37.6
229 21.6	16.2	24.4

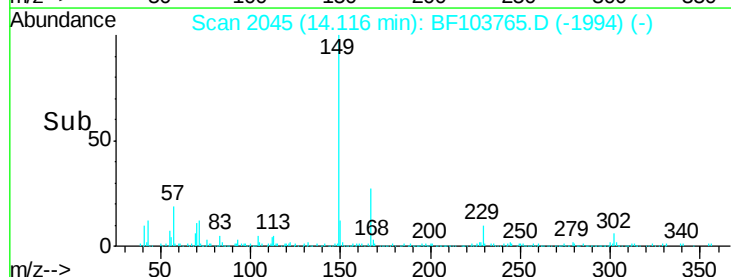
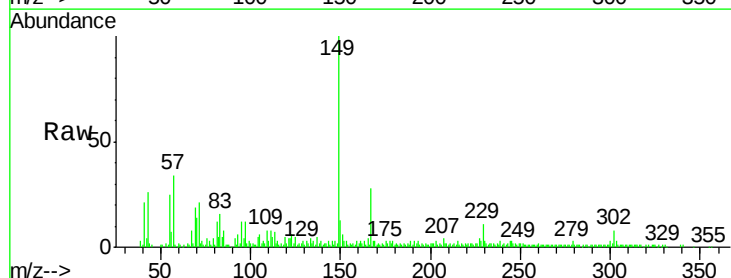
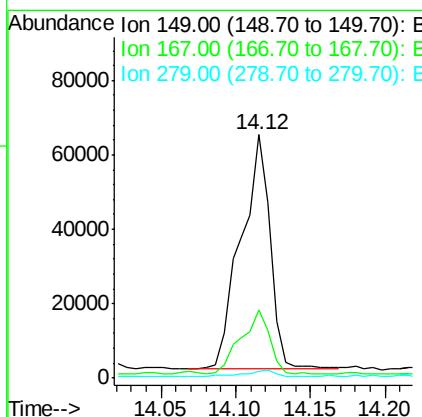
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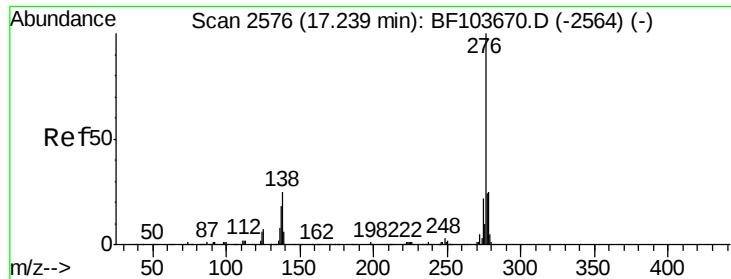
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#83
Bis(2-ethylhexyl)phthalate
Concen: 5.783 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Tgt Ion:149	Resp:	85929
Ion Ratio	Lower	Upper
149 100		
167 27.8	21.3	31.9
279 3.0	3.0	4.4





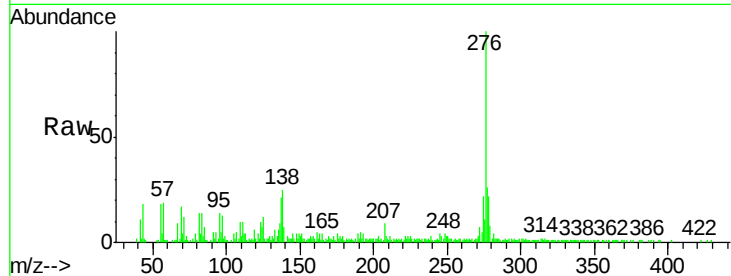
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.536 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.04 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Instrument :
BNA_F
ClientSampleId :
SB-112(6-7)

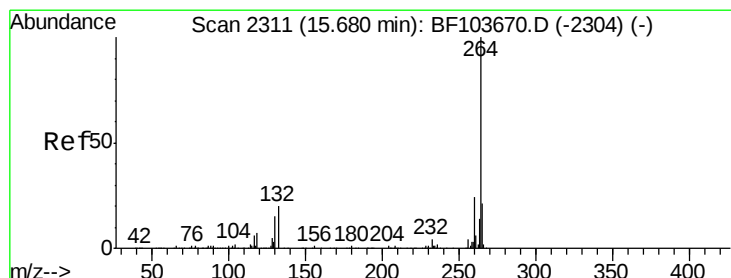
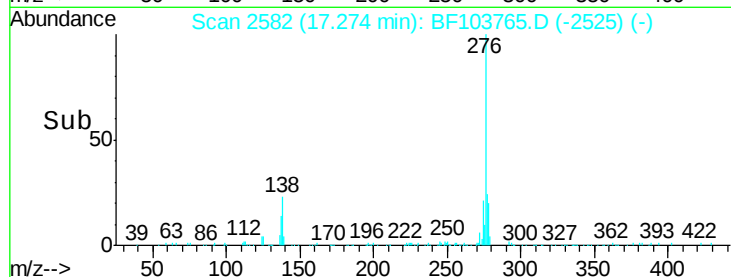
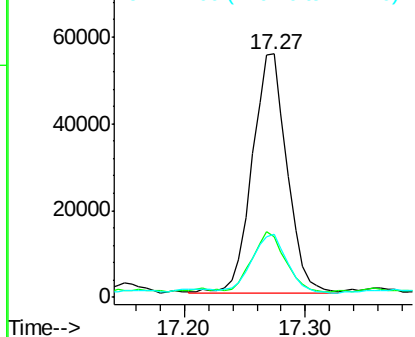
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.0	37.6#
277	25.3	20.1	30.1

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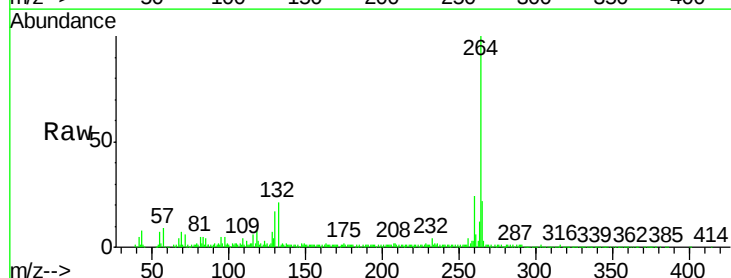


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

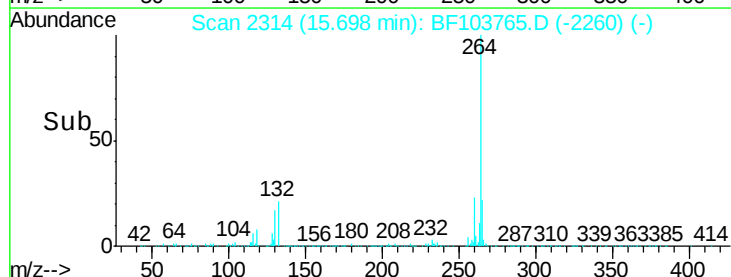
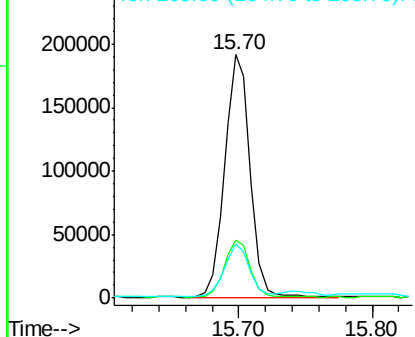


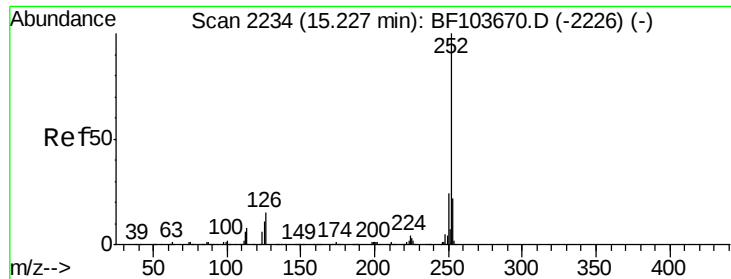
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103765.D
Acq: 19 Mar 2018 19:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	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: 15.435 ng m

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Instrument :

BNA_F

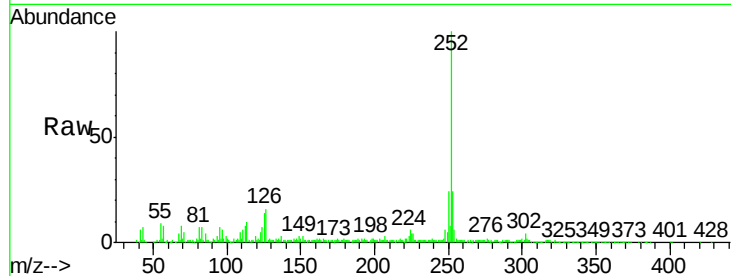
ClientSampleId :

SB-112(6-7)

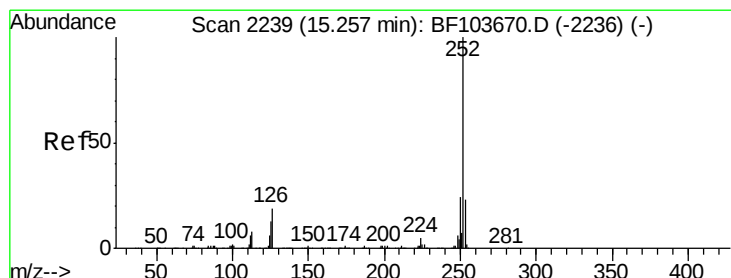
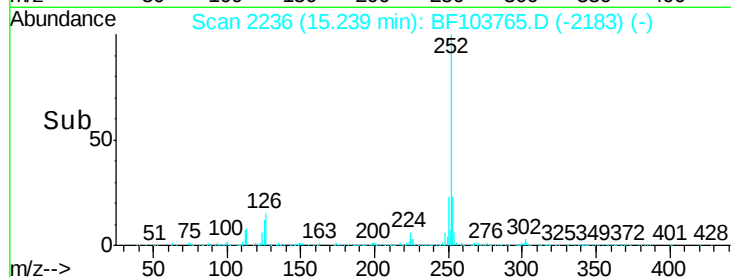
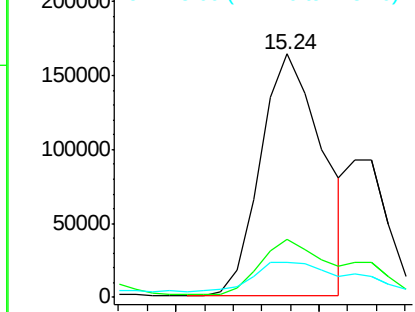
Tot Ion:	252	Resp:	246902
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	14.3	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.791 ng m

RT: 15.27 min Scan# 2241

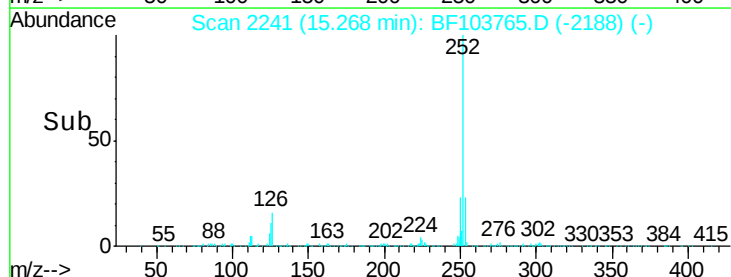
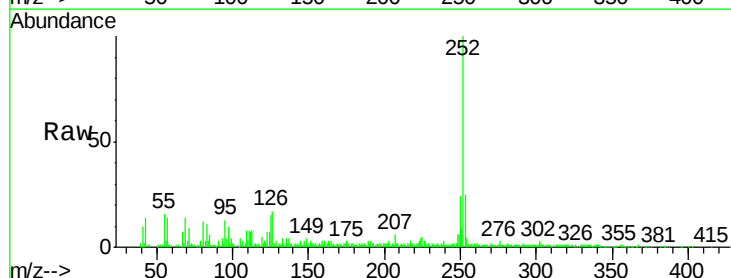
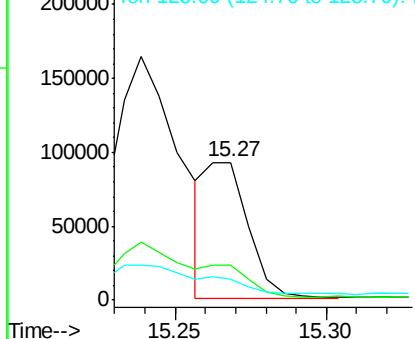
Delta R.T. 0.01 min

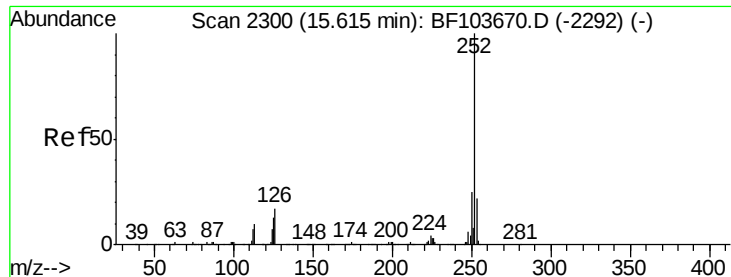
Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Tgt Ion:	252	Resp:	89047
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	15.1	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.796 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.02 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Instrument :

BNA_F

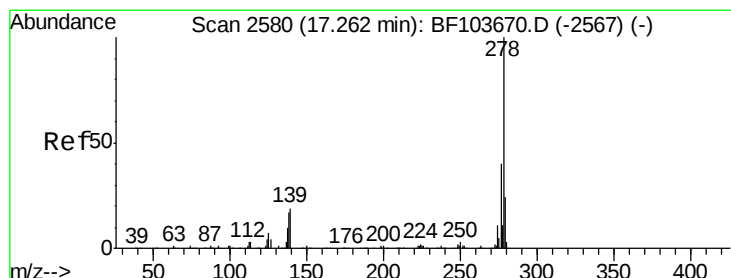
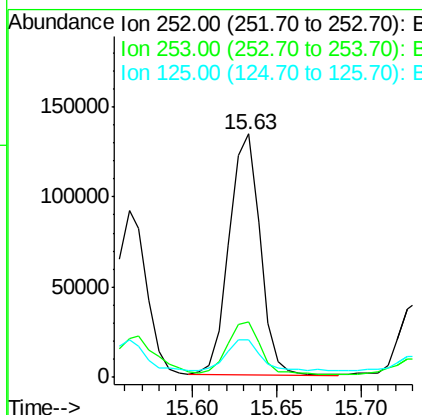
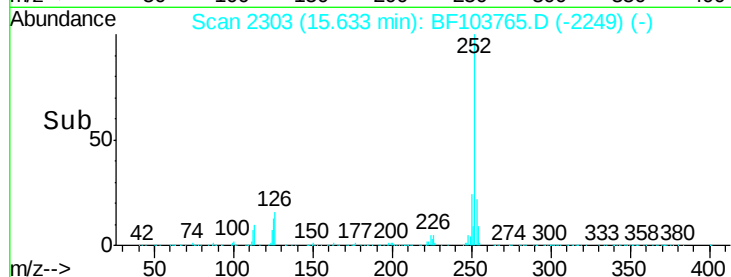
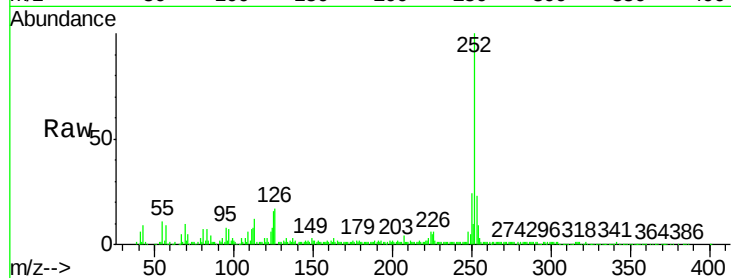
ClientSampleId :

SB-112(6-7)

Tot Ion:	252	Resp:	171138
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	15.5	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 2.153 ng

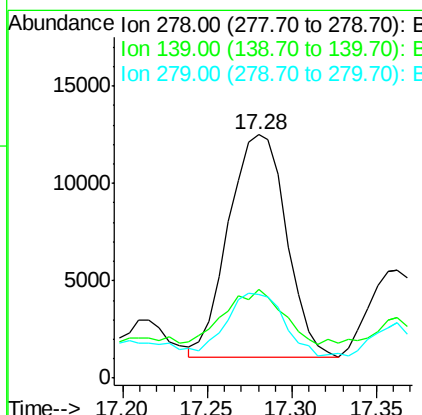
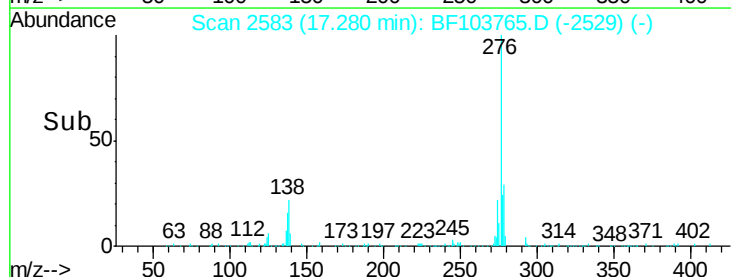
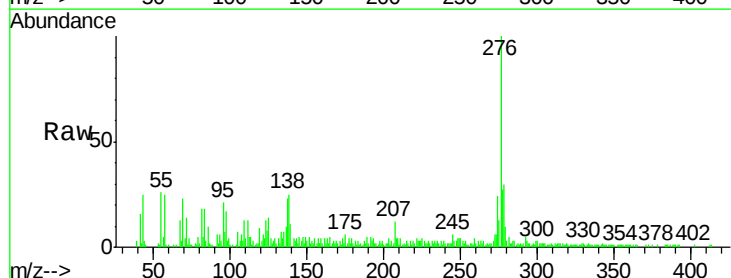
RT: 17.28 min Scan# 2583

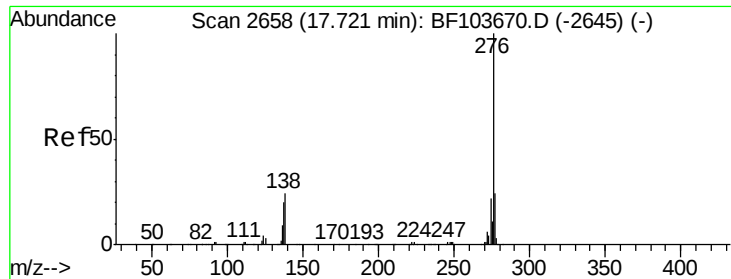
Delta R.T. 0.02 min

Lab File: BF103765.D

Acq: 19 Mar 2018 19:36

Tgt Ion:	278	Resp:	27050
Ion Ratio	Lower	Upper	
278	100		
139	36.4	15.9	23.9
279	34.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.628 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.03 min
 Lab File: BF103765.D
 Acq: 19 Mar 2018 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-112(6-7)

Tot Ion:	276	Resp:	105450
Ion Ratio		Lower	Upper
276	100		
277	24.9	17.9	26.9
138	26.5	21.8	32.8

Manual Integrations
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