

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104746.D
 Acq On : 24 Apr 2018 9:36
 Operator : JU/SJ
 Sample : J2497-02 20X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-SW-4.5

Manual Integrations
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 4/24/2018 3:49:23 PM

Quant Time: Apr 24 11:31:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	83521	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	317256	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	131069	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	228033	20.00	ng	0.01
75) Chrysene-d12	13.99	240	146021	20.00	ng	0.00
86) Perylene-d12	15.47	264	111747	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	25151	4.60	ng	0.01
7) Phenol-d6	6.46	99	30565	4.55	ng	0.01
23) Nitrobenzene-d5	7.37	82	14954	3.08	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	6518	4.79	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	32467	3.91	ng	0.00
78) Terphenyl-d14	12.93	244	31311	4.89	ng	0.00
Target Compounds						
31) Naphthalene	8.12	128	113578	7.190	ng	98
37) 2-Methylnaphthalene	8.81	142	28664	2.805	ng	94
48) Acenaphthylene	9.72	152	168042	12.315	ng	99
51) Acenaphthene	9.88	154	20416	2.452	ng	99
57) Fluorene	10.40	166	49113	5.816	ng	100
70) Phenanthrene	11.37	178	390361	30.739	ng	98
71) Anthracene	11.42	178	183880	14.245	ng	99
74) Fluoranthene	12.56	202	700413	52.790	ng	99
77) Pyrene	12.80	202	703849	65.029	ng	99
80) Benzo(a)anthracene	13.99	228	350651m	40.196	ng	
82) Chrysene	14.02	228	308514	34.431	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	138485	18.194	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	315984m	44.771	ng	
88) Benzo(k)fluoranthene	15.06	252	107048m	16.066	ng	
89) Benzo(a)pyrene	15.41	252	242777	38.445	ng	95
90) Dibenzo(a,h)anthracene	16.94	278	38171	7.360	ng	# 77
91) Benzo(a,h,i)perylene	17.39	276	136315	27.128	ng	96

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

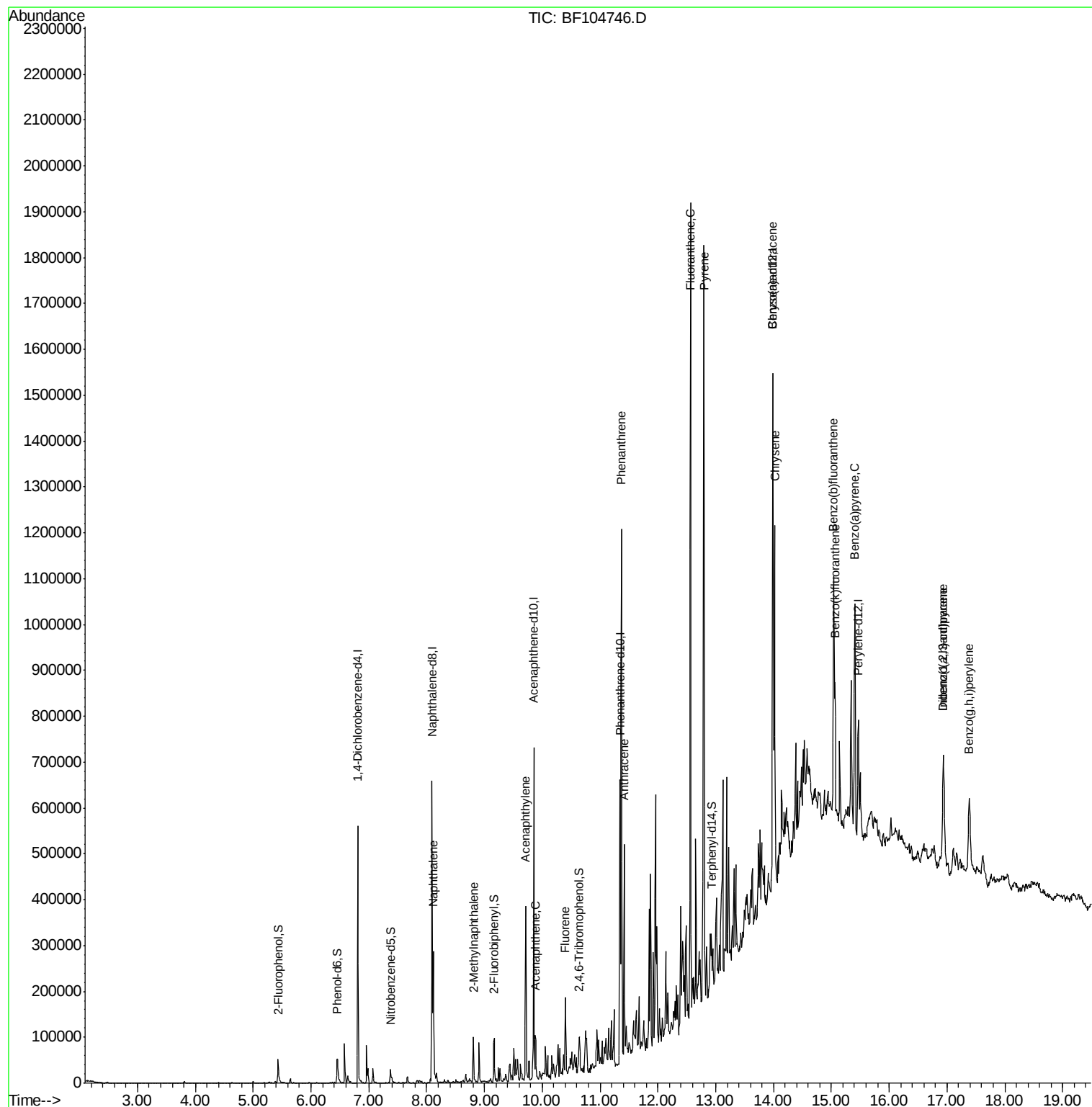
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104746.D
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ALS Vial : 47 Sample Multiplier: 1

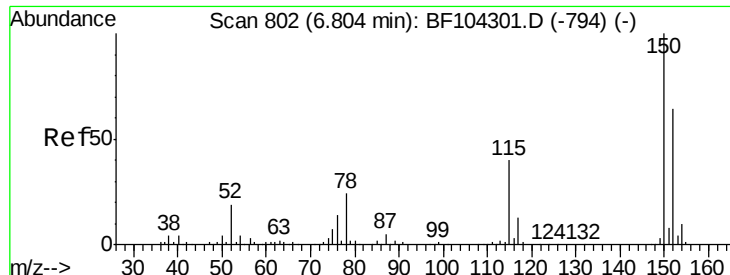
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

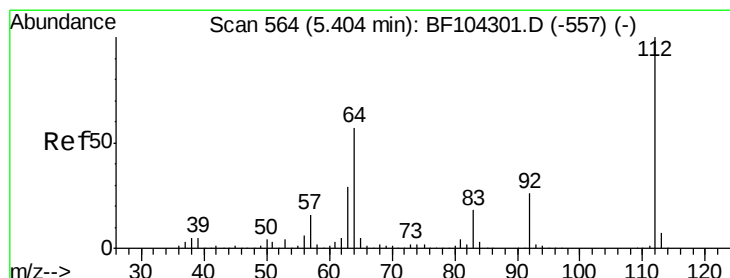
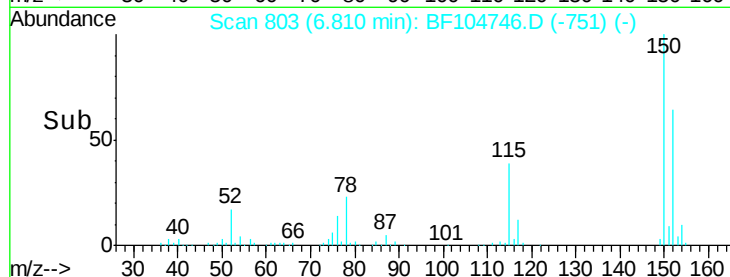
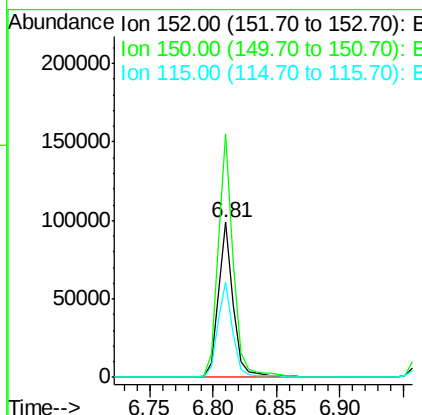
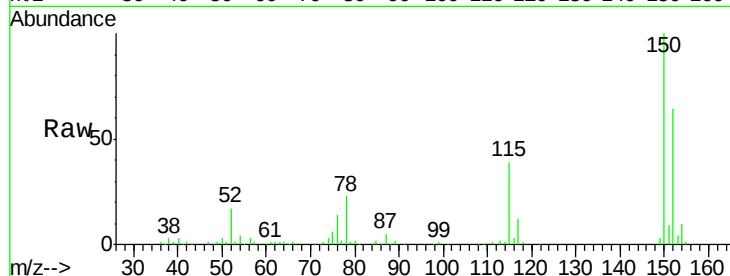
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-SW-4.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	61.3	50.1	75.1

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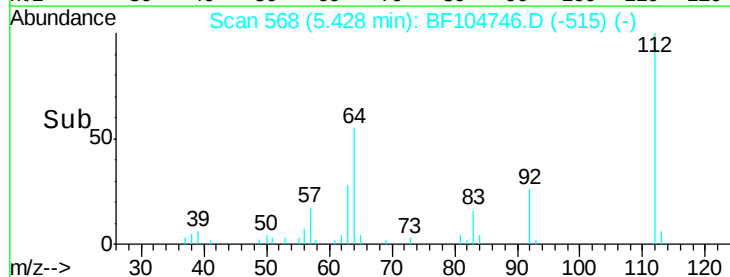
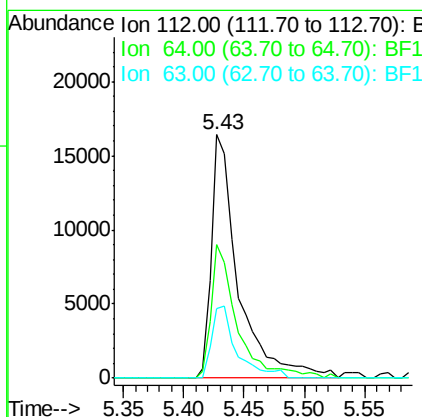
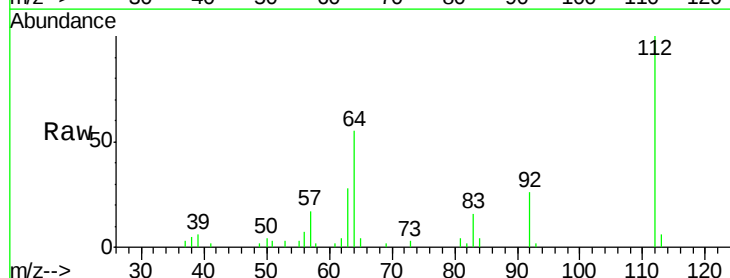
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#5

2-Fluorophenol
 Concen: 4.605 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 4.554 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

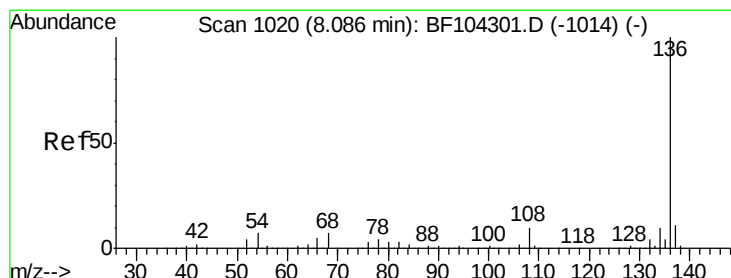
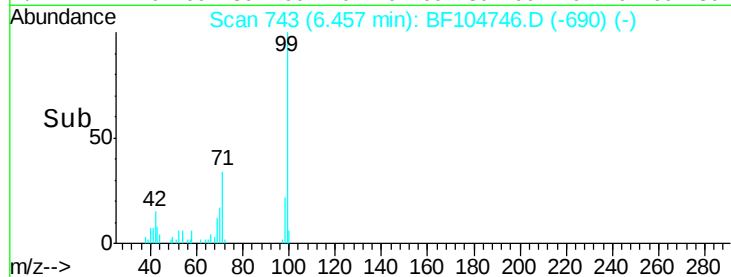
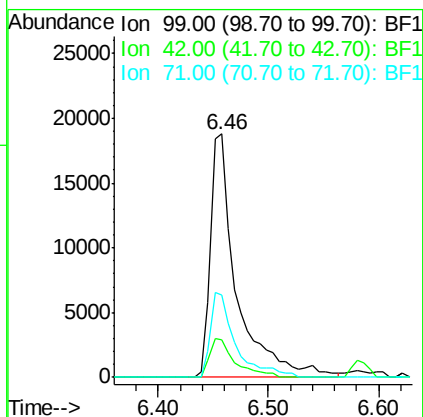
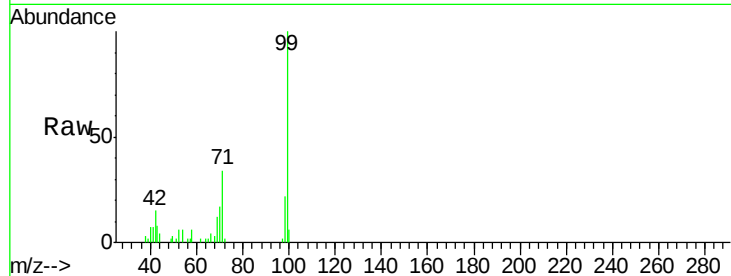
ClientSampleId :

A2-SB01-SW-4.5

Tot Ion:	99	Resp:	30565
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	33.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

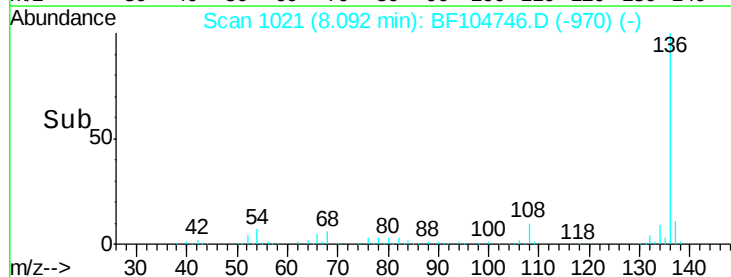
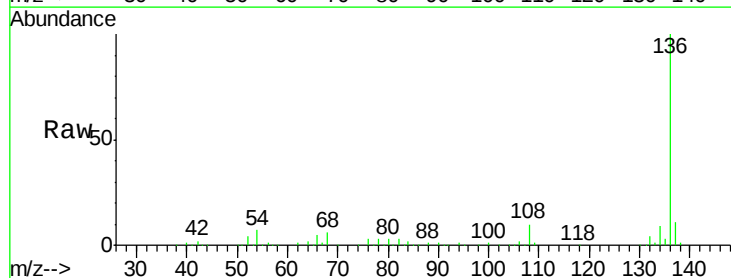
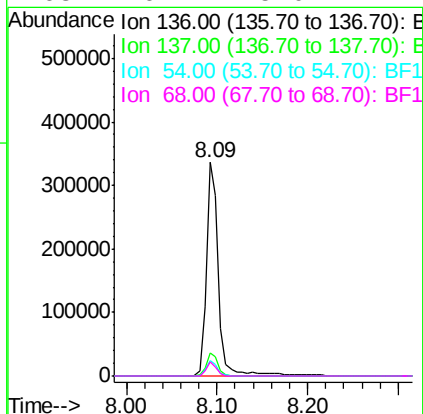
RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Tgt Ion:	136	Resp:	317256
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.2	6.6	9.8
68	6.4	5.0	7.4





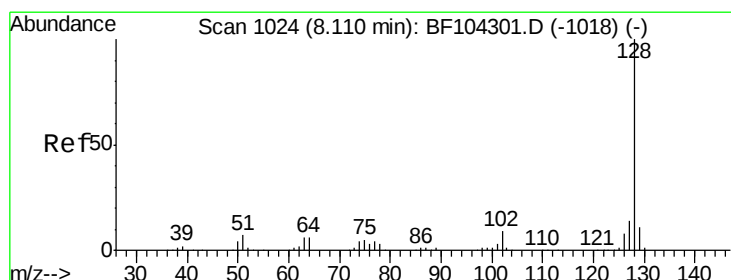
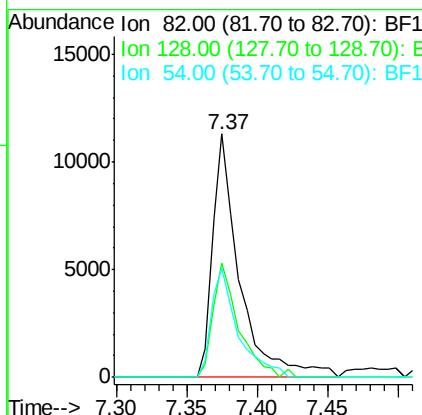
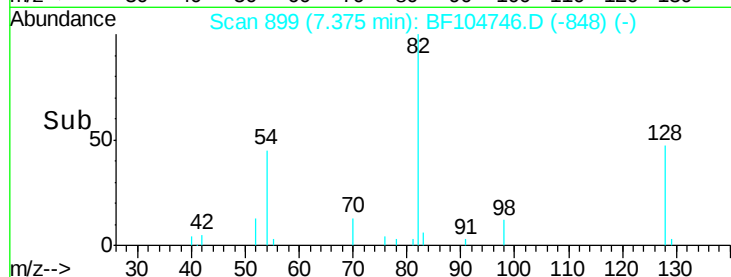
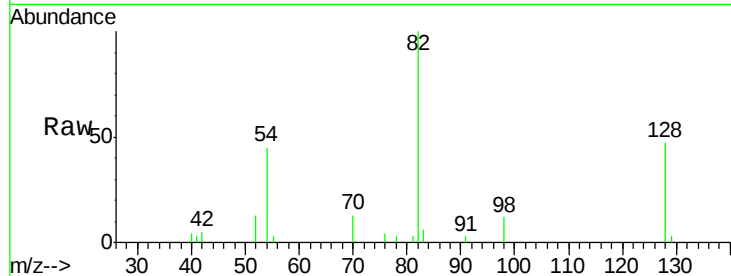
#23
 Nitrobenzene-d5
 Concen: 3.078 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-SW-4.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	45.0	41.4	62.2

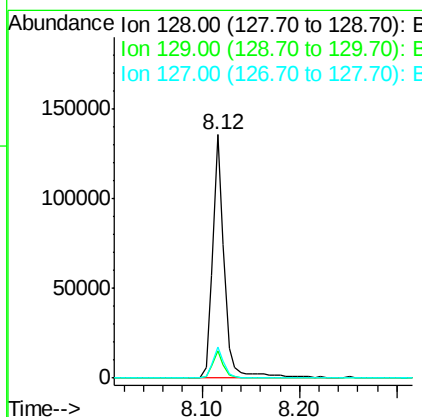
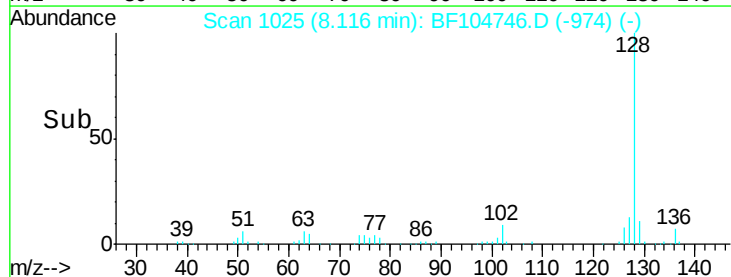
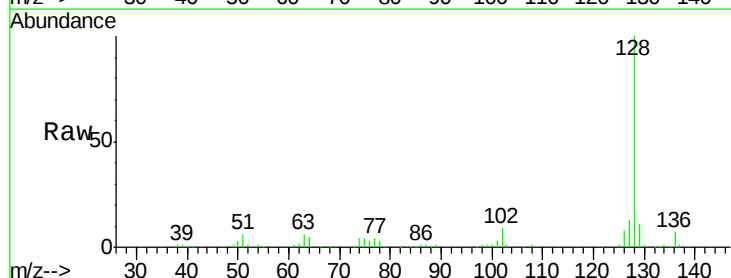
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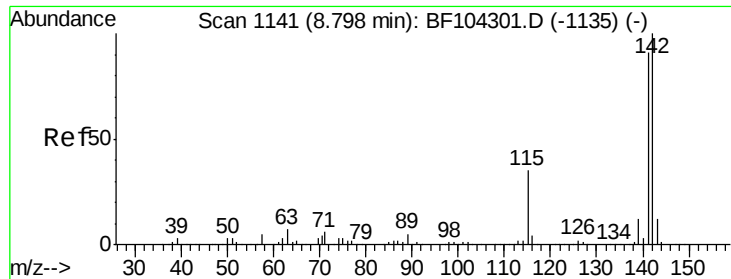
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#31
 Naphthalene
 Concen: 7.190 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.5	10.9	16.3





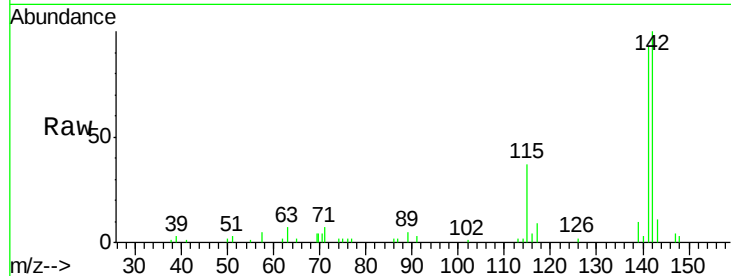
#37
2-Methylnaphthalene
Concen: 2.805 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Instrument :
BNA_F
ClientSampleId :
A2-SB01-SW-4.5

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	70.8	106.2
115	37.5	26.1	39.1

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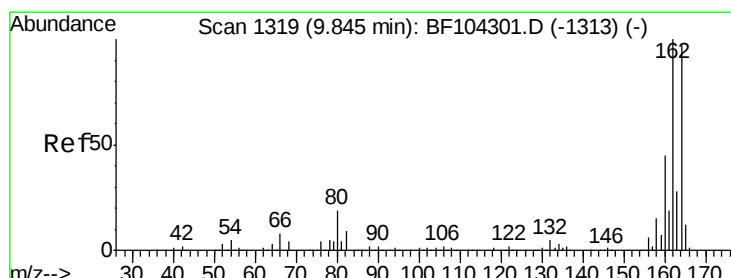
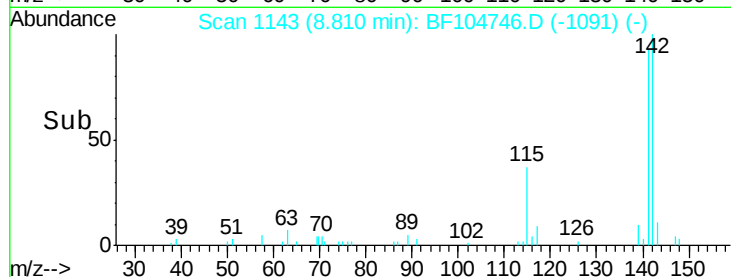
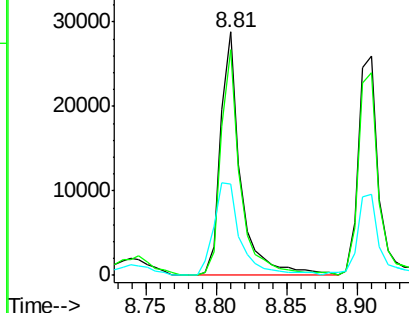


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

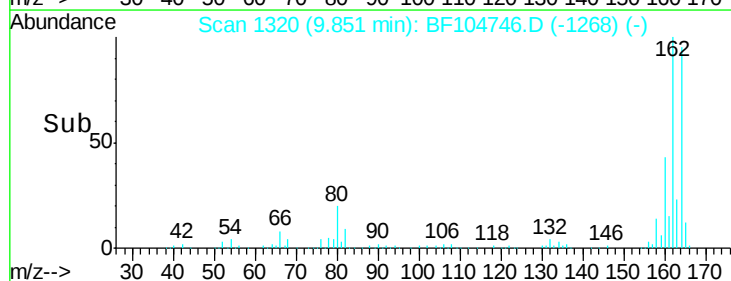
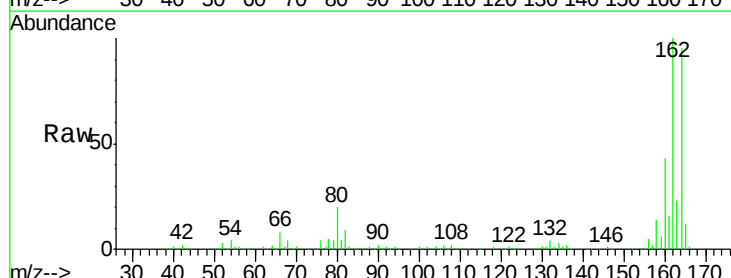
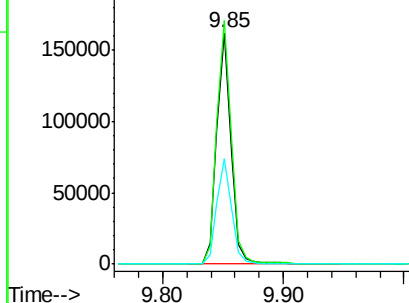
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	45.3	38.3	57.5

Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 4.794 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

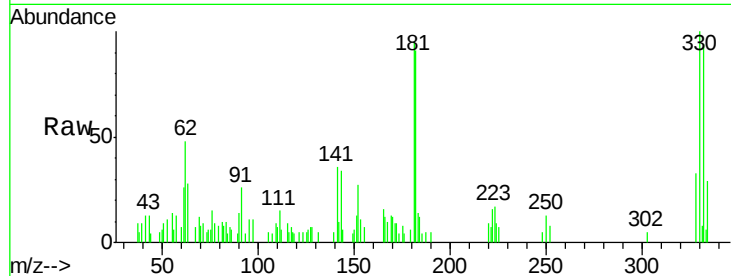
ClientSampleId :

A2-SB01-SW-4.5

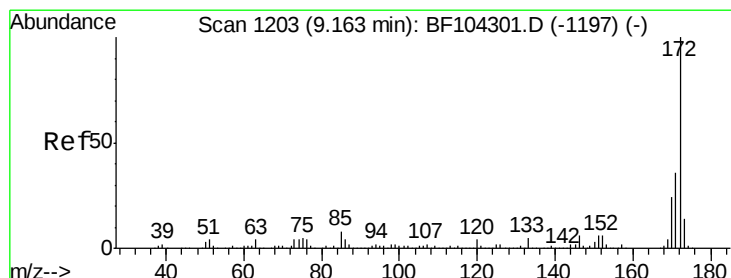
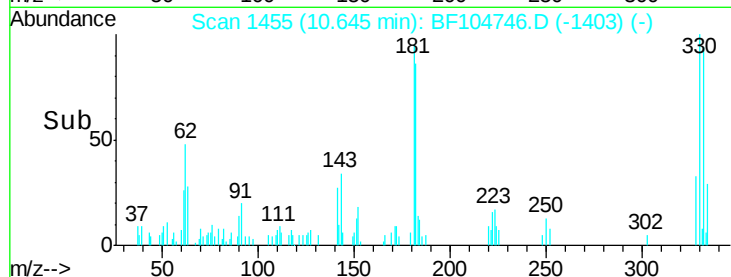
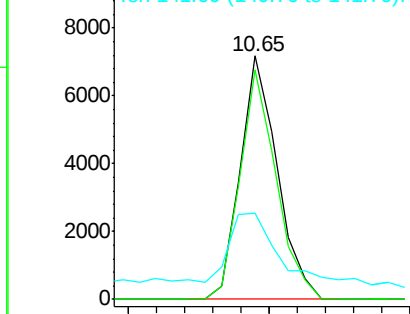
Tot Ion:	330	Resp:	6518
Ion Ratio	Lower	Upper	
330	100		
332	92.4	77.0	115.6
141	69.4	29.9	44.9#

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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: 3.913 ng

RT: 9.17 min Scan# 1204

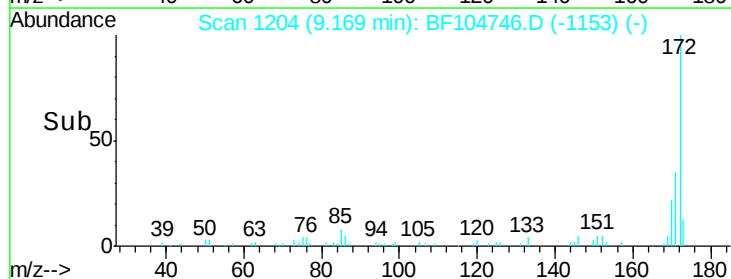
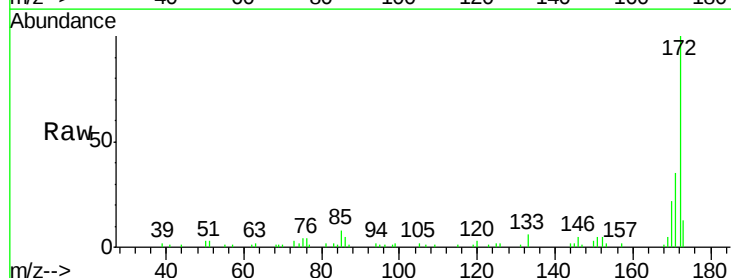
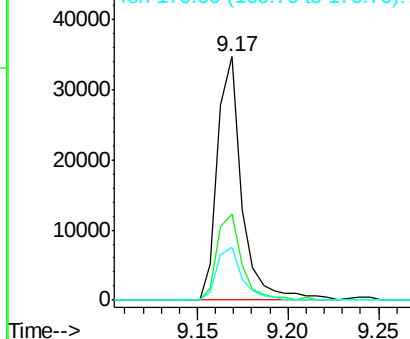
Delta R.T. -0.00 min

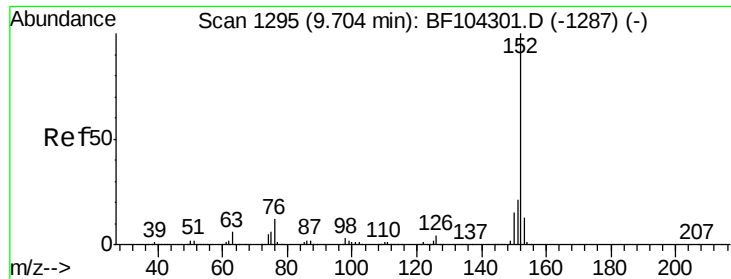
Lab File: BF104746.D

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Tgt Ion:	172	Resp:	32467
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	22.0	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





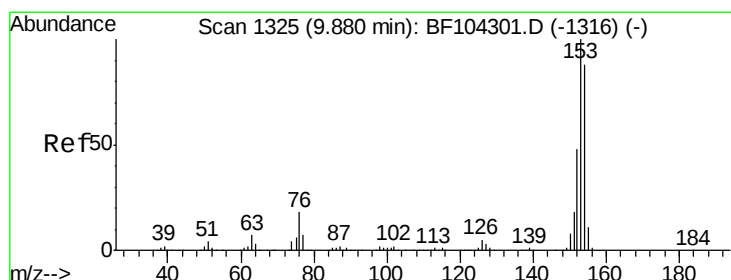
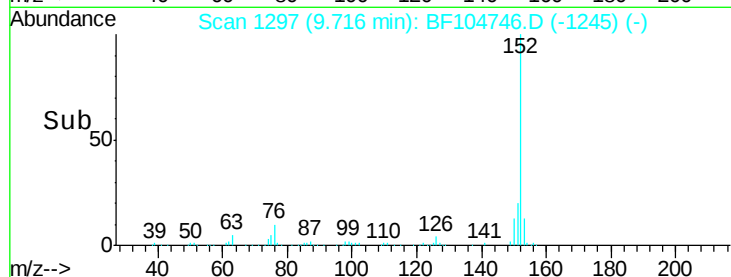
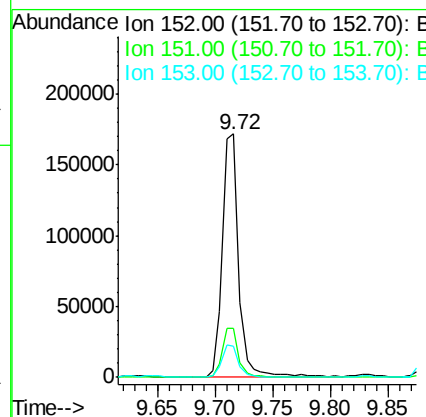
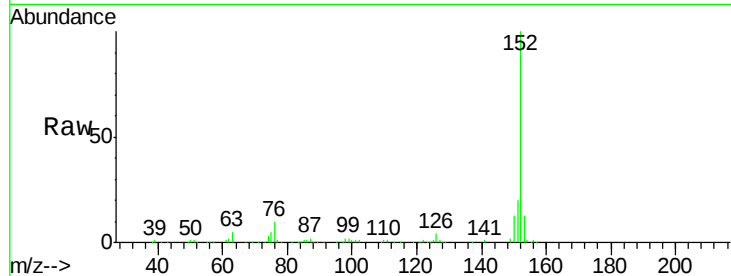
#48
Acenaphthylene
Concen: 12.315 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Instrument :
BNA_F
ClientSampleId :
A2-SB01-SW-4.5

Tot Ion	Ratio	Resp	Lower	Upper
152	100	168042		
151	19.9		16.3	24.5
153	12.6		10.7	16.1

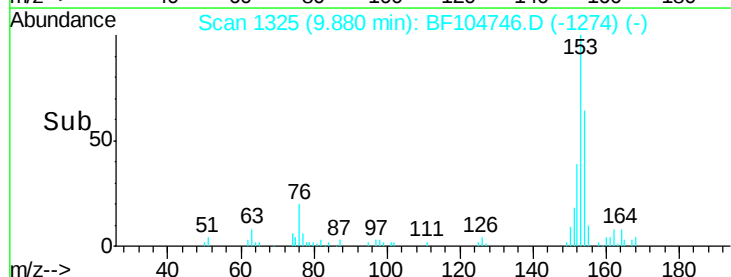
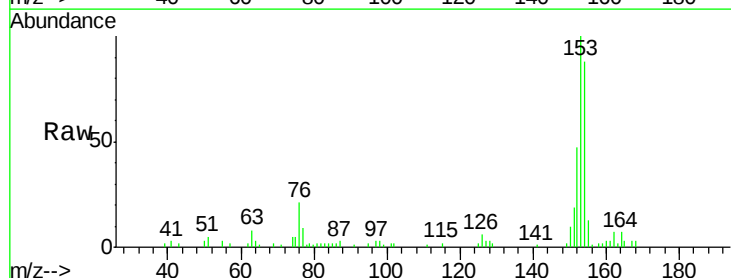
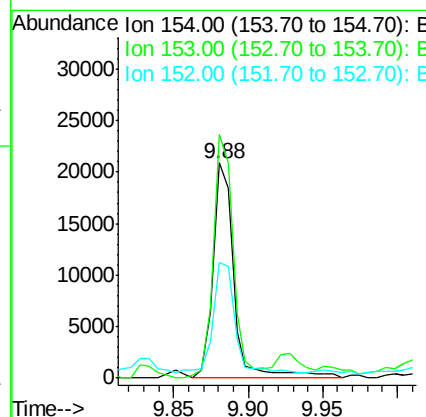
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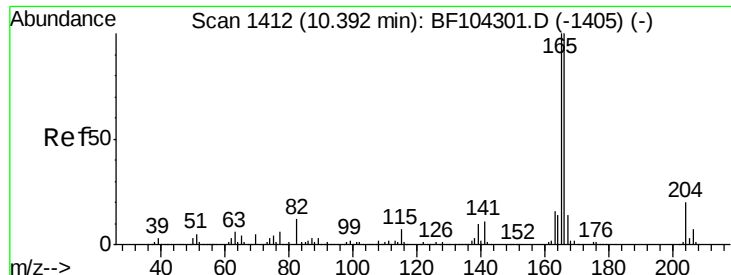
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#51
Acenaphthene
Concen: 2.452 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20416		
153	113.1		91.2	136.8
152	53.6		43.8	65.8





#57

Fluorene

Concen: 5.816 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

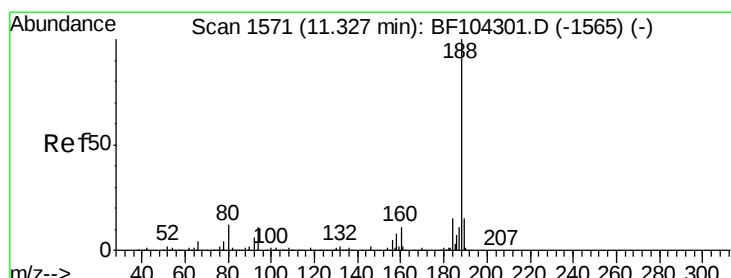
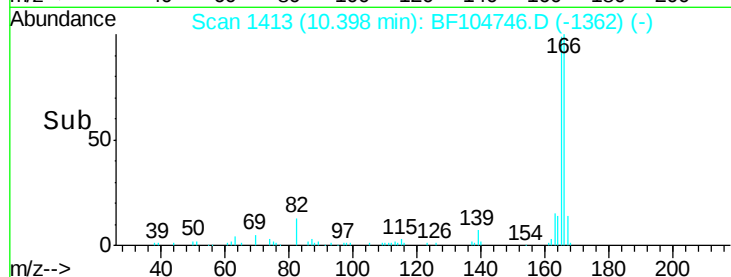
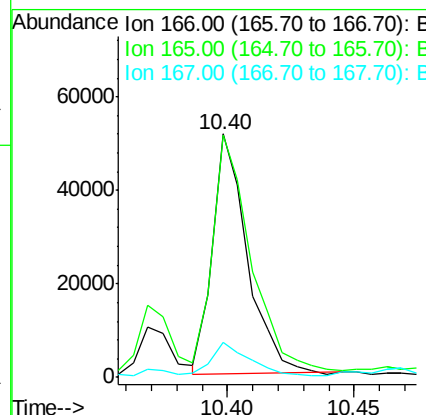
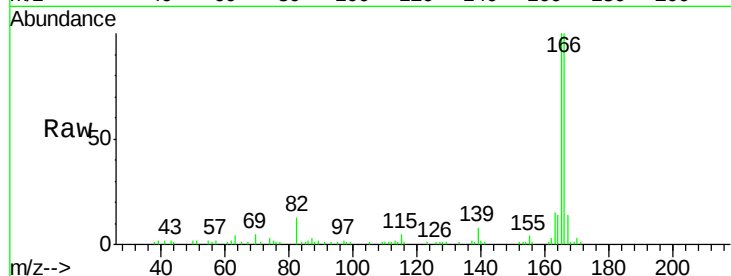
ClientSampleId :

A2-SB01-SW-4.5

Tot Ion:	166	Resp:	49113
Ion Ratio	Lower	Upper	
166	100		
165	99.6	79.8	119.8
167	14.3	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

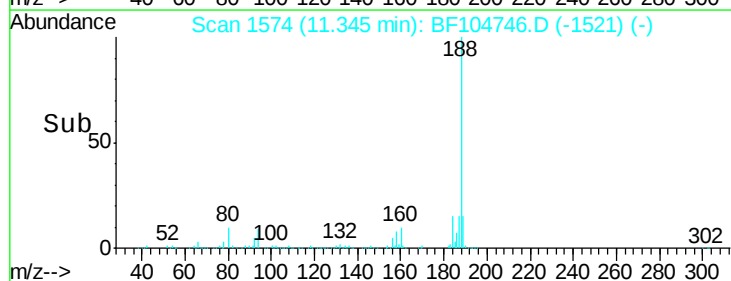
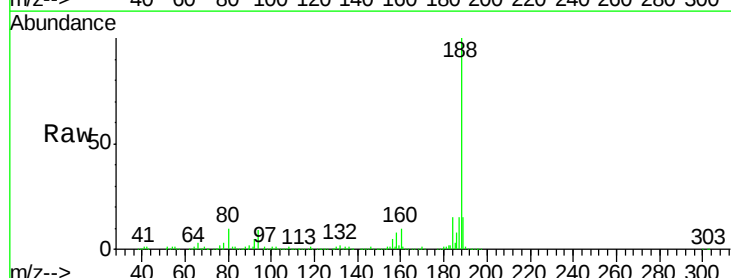
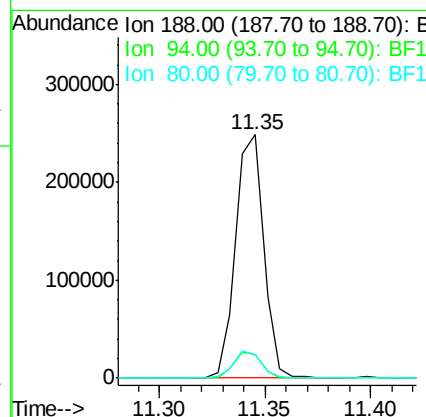
RT: 11.35 min Scan# 1574

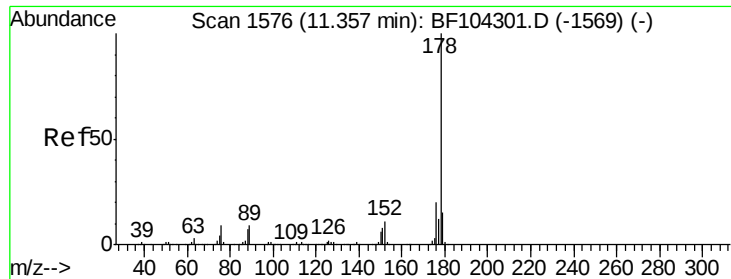
Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Tgt Ion:	188	Resp:	228033
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	9.7	9.2	13.8





#70

Phenanthrene

Concen: 30.739 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

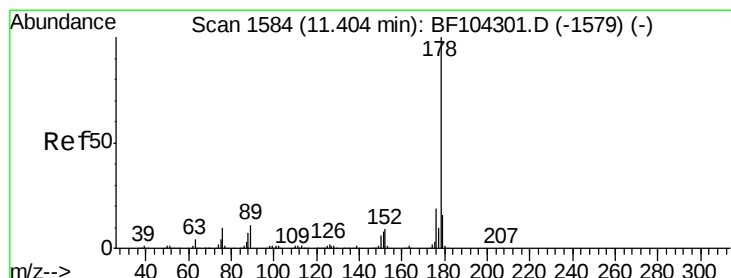
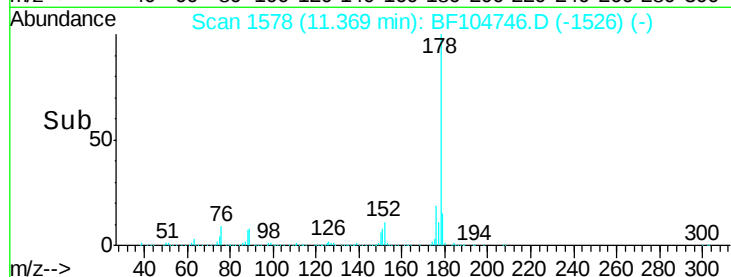
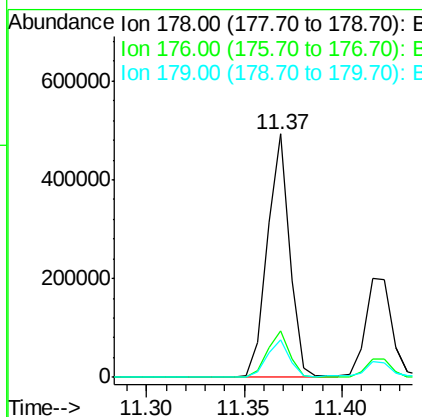
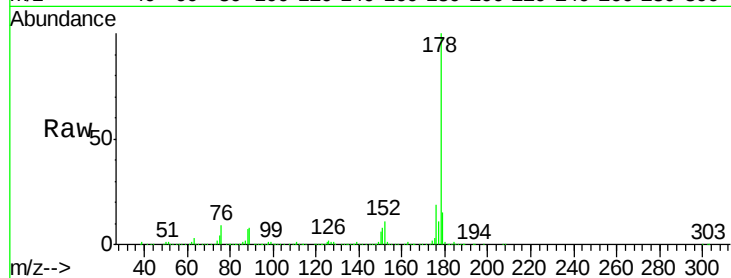
ClientSampleId :

A2-SB01-SW-4.5

Tot Ion:178	Resp:	390361
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	15.4	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 14.245 ng

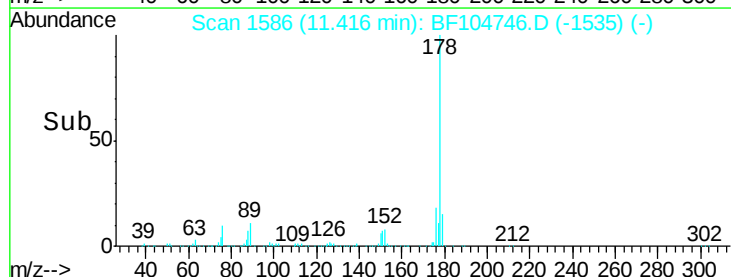
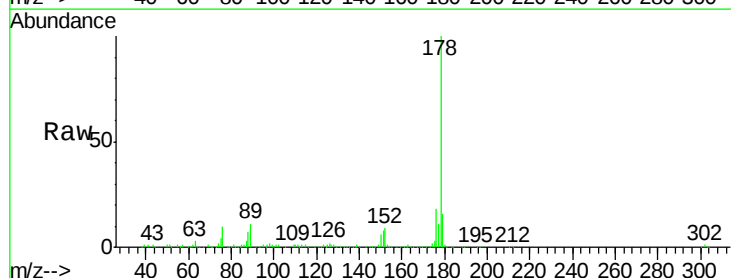
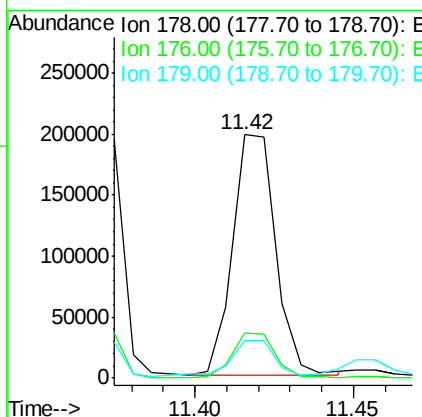
RT: 11.42 min Scan# 1586

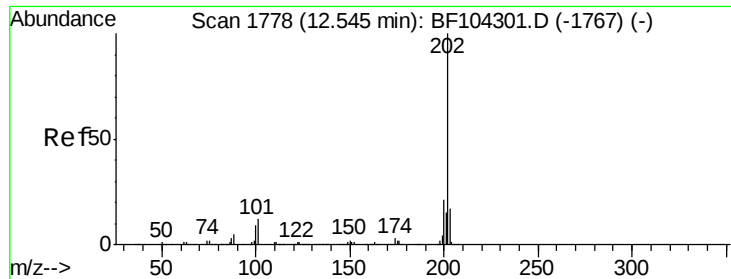
Delta R.T. -0.00 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Tgt Ion:178	Resp:	183880
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.4 23.2
179	15.5	12.6 19.0





#74

Fluoranthene

Concen: 52.790 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

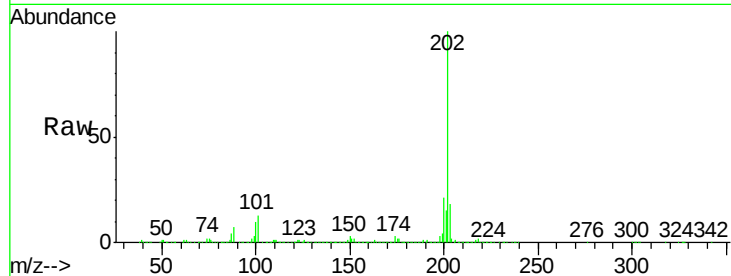
ClientSampleId :

A2-SB01-SW-4.5

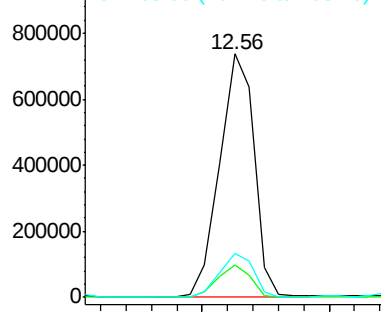
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	34.1
203	18.3	0.0	38.1

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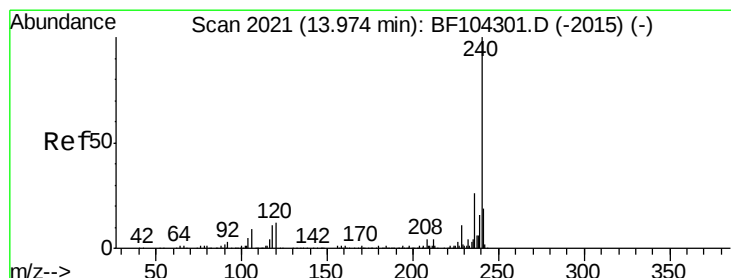
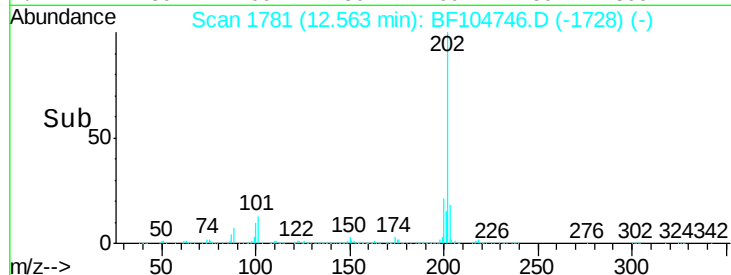
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

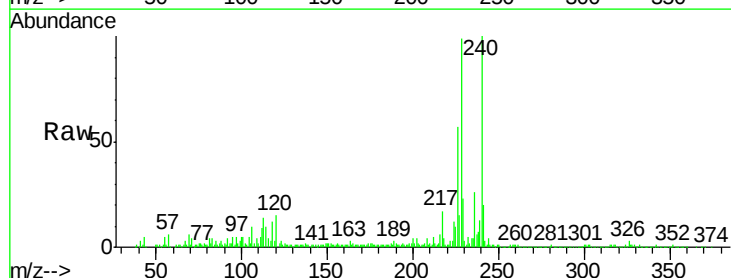
RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

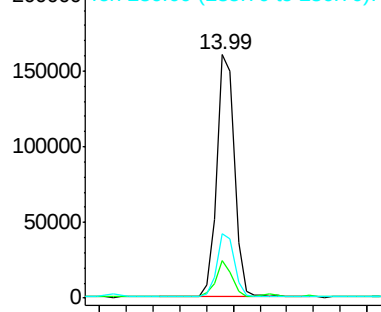
Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

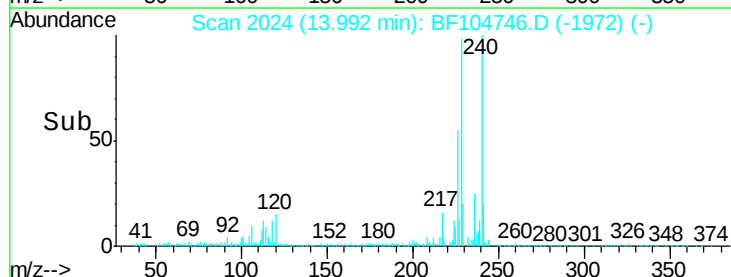
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	26.4	20.7	31.1

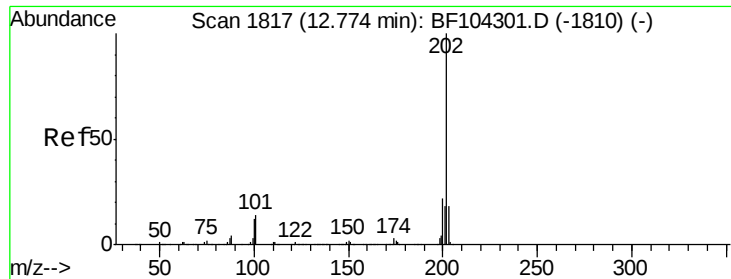


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 65.029 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.02 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

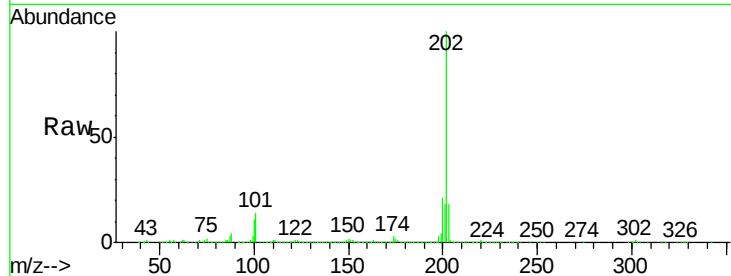
ClientSampleId :

A2-SB01-SW-4.5

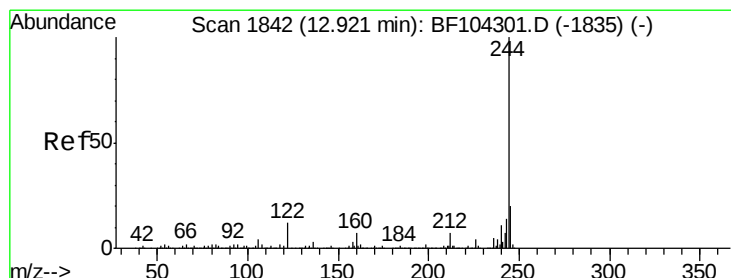
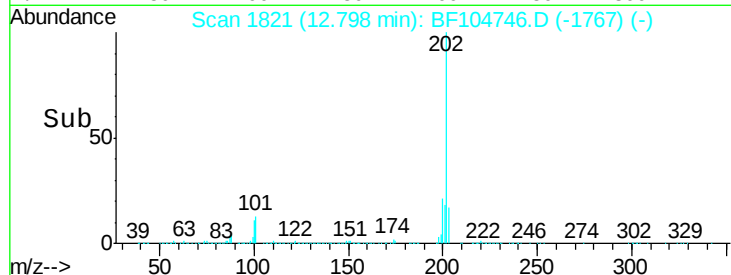
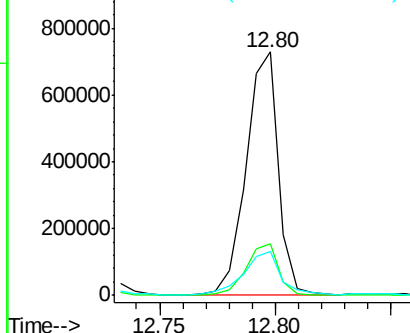
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.889 ng

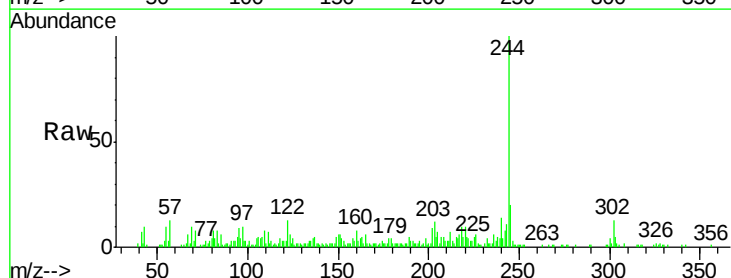
RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

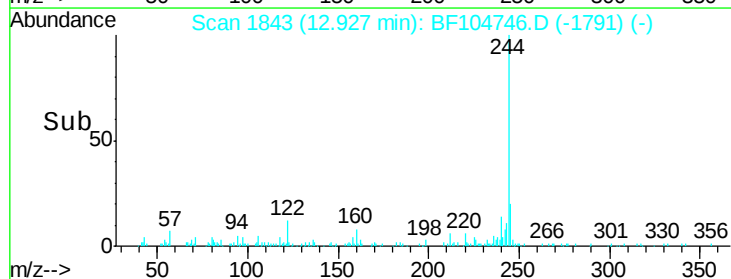
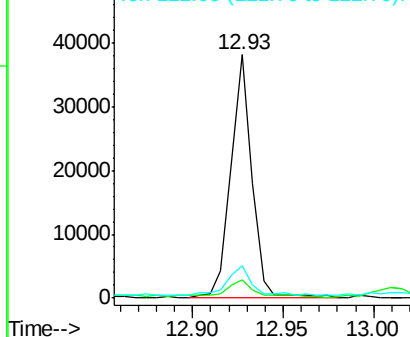
Lab File: BF104746.D

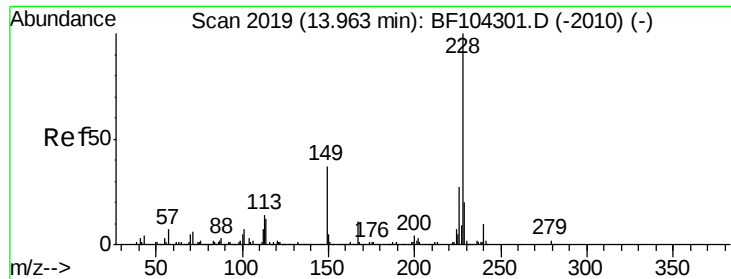
Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	13.3	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





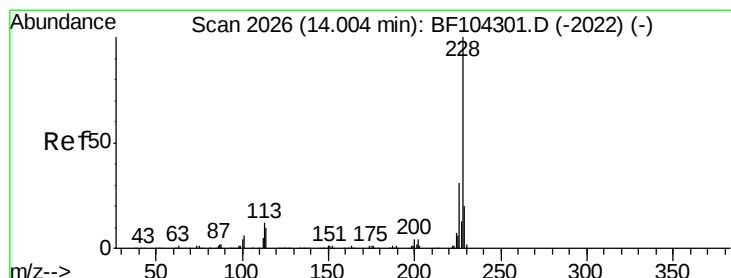
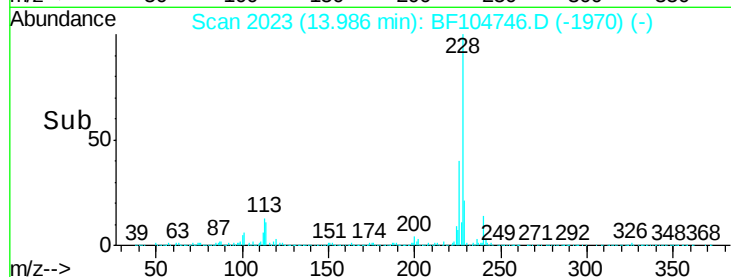
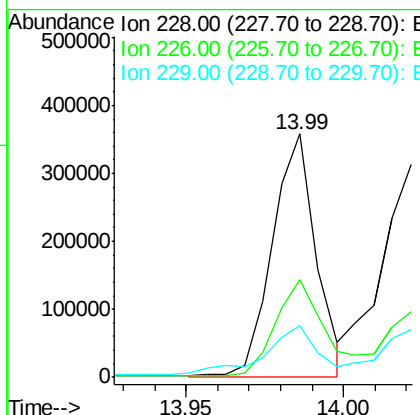
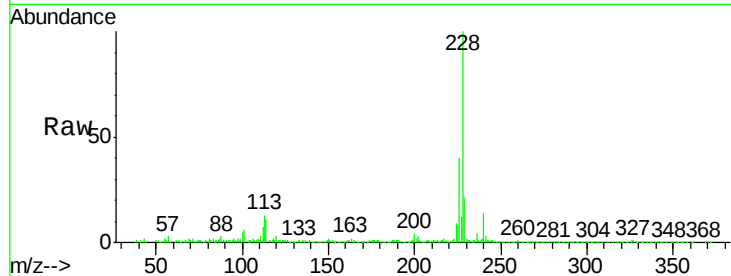
#80
Benzo(a)anthracene
Concen: 40.196 ng/mL
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Instrument :
BNA_F
ClientSampleId :
A2-SB01-SW-4.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.0	22.6	33.8
229	21.4	15.8	23.6

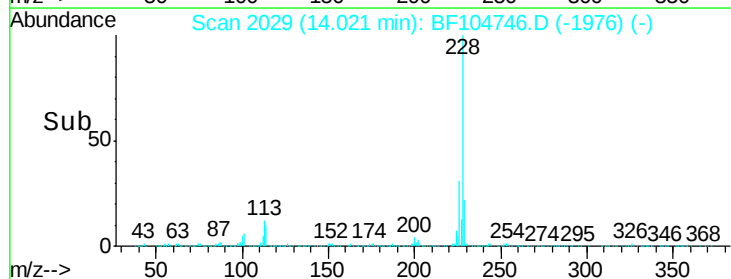
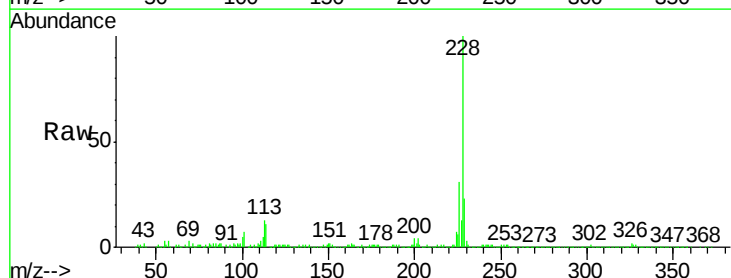
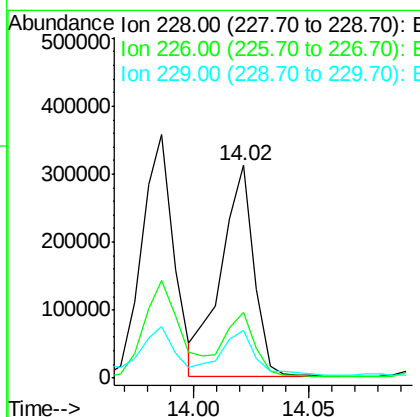
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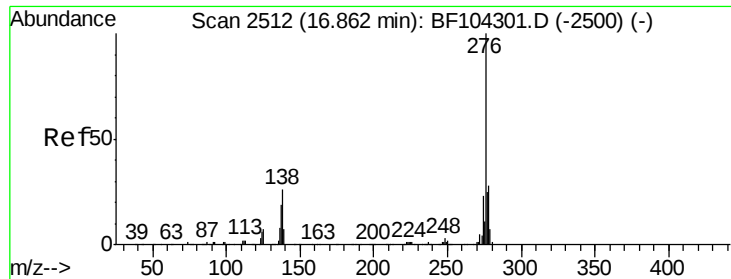
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#82
Chrysene
Concen: 34.431 ng/mL
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.7	16.2	24.4





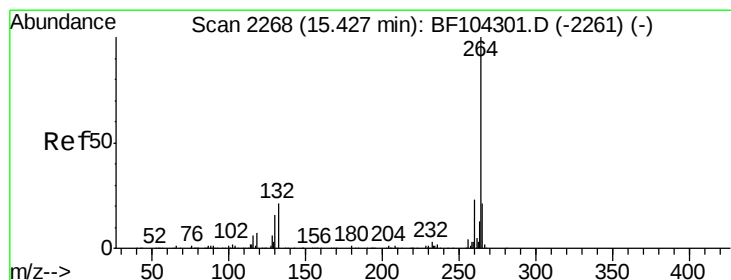
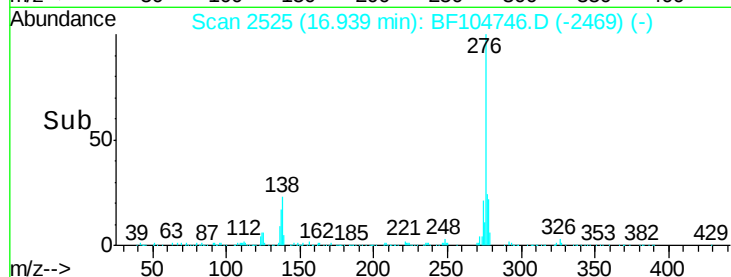
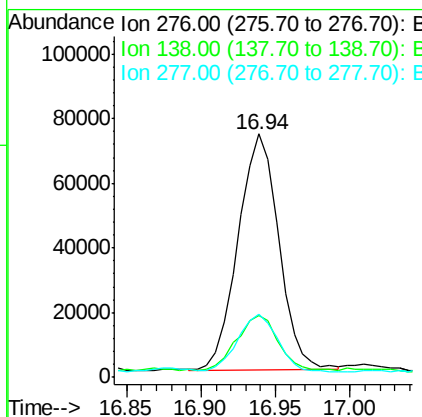
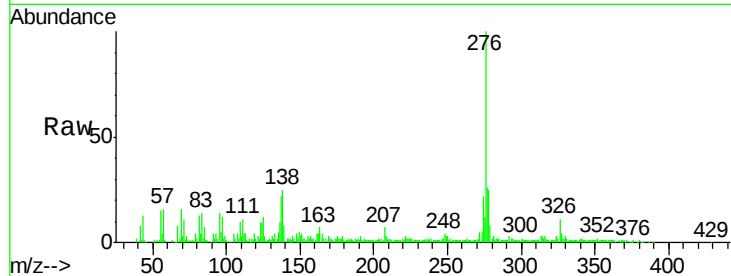
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.194 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.03 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-SW-4.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.0	37.6#
277	24.4	20.1	30.1

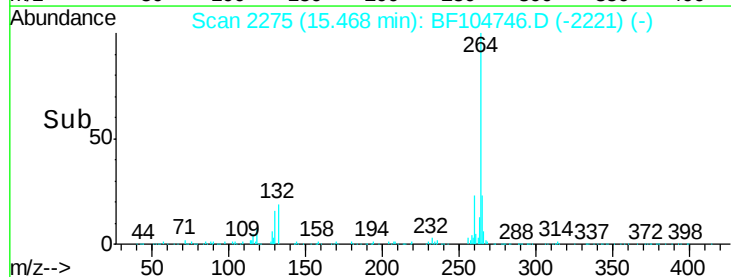
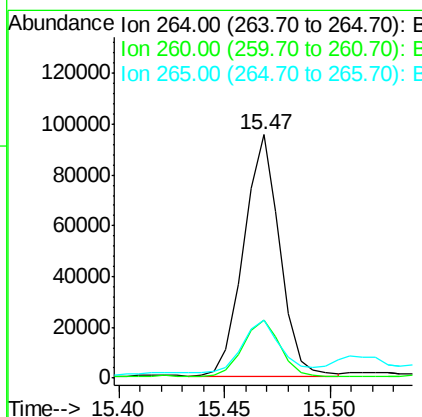
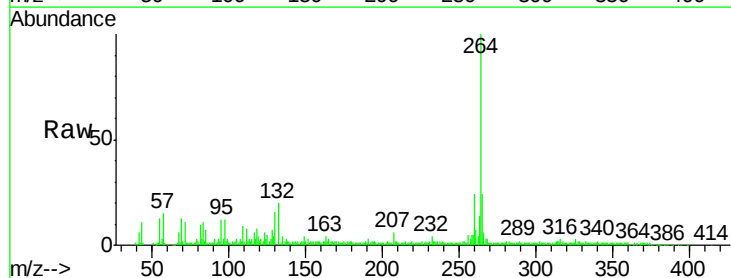
Manual Integrations
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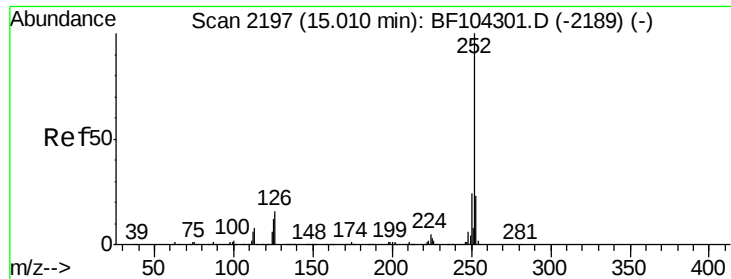
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF104746.D
 Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 44.771 ng m

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

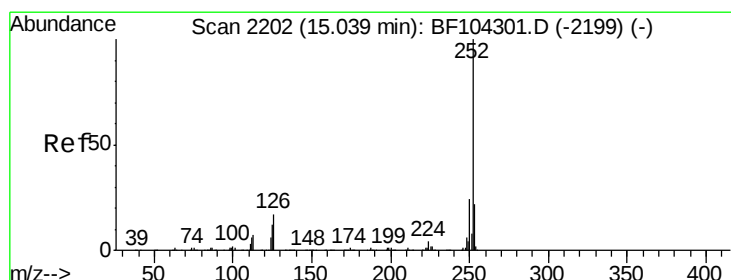
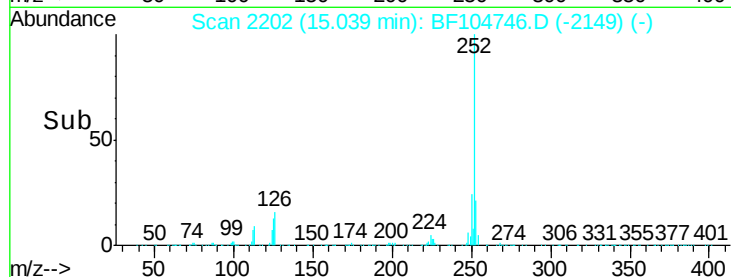
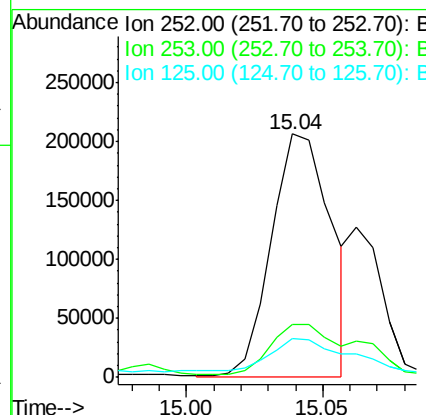
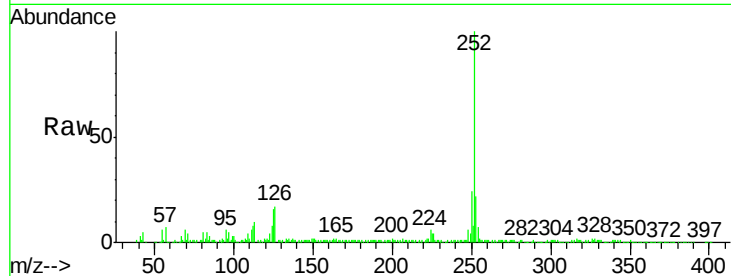
ClientSampleId :

A2-SB01-SW-4.5

Tot Ion:	252	Resp:	315984
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	15.8	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 16.066 ng m

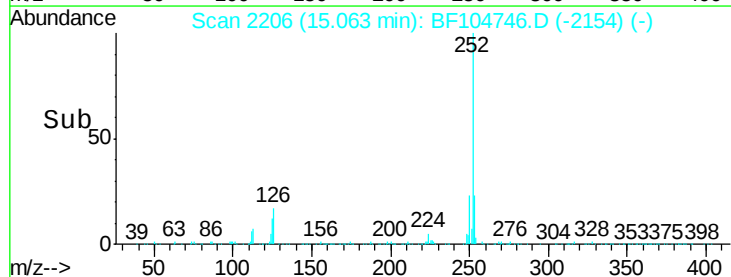
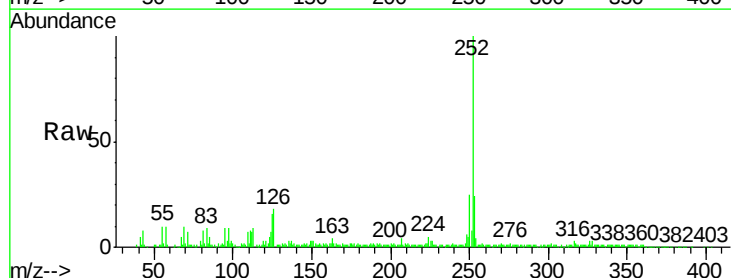
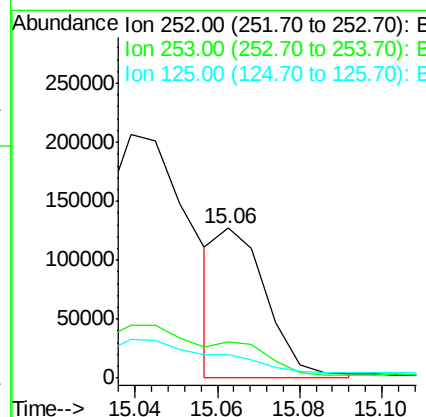
RT: 15.06 min Scan# 2206

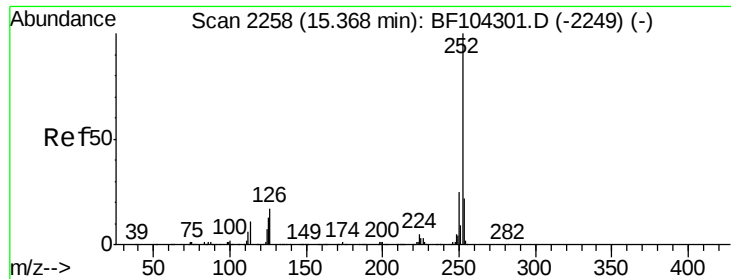
Delta R.T. 0.01 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Tgt Ion:	252	Resp:	107048
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.9	26.9
125	16.0	10.2	15.2#





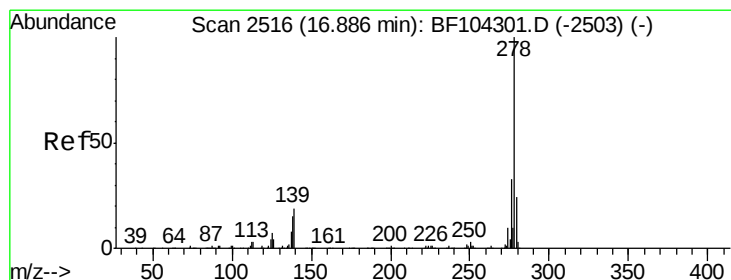
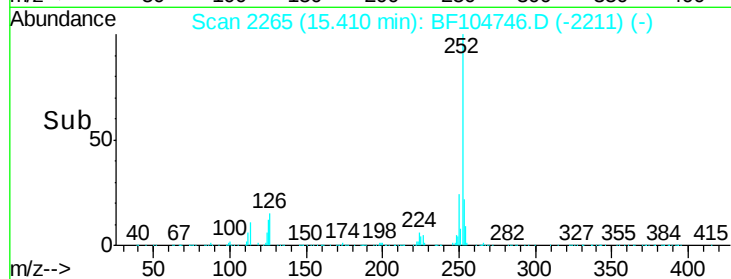
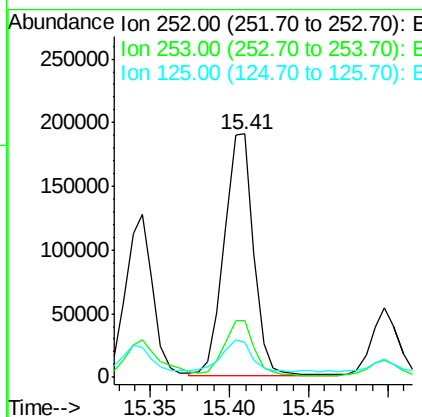
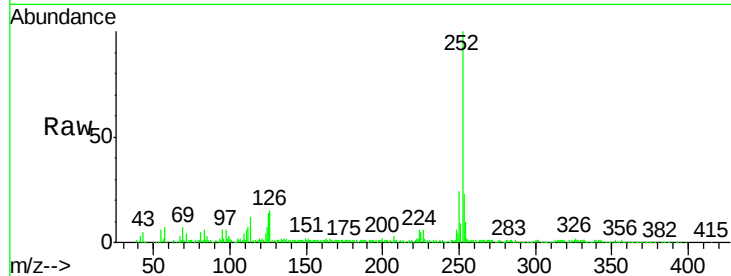
#89
Benzo(a)pyrene
Concen: 38.445 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Instrument :
BNA_F
ClientSampleId :
A2-SB01-SW-4.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.4	9.8	14.6

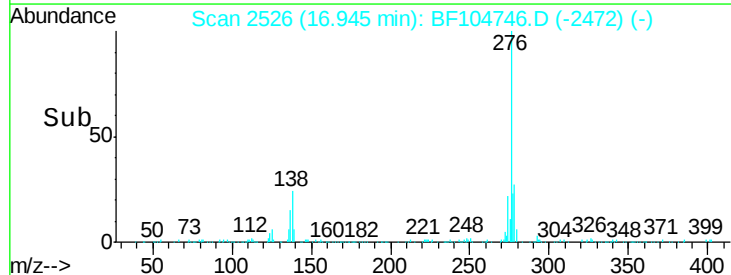
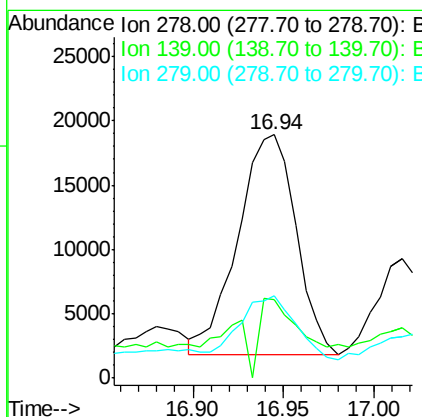
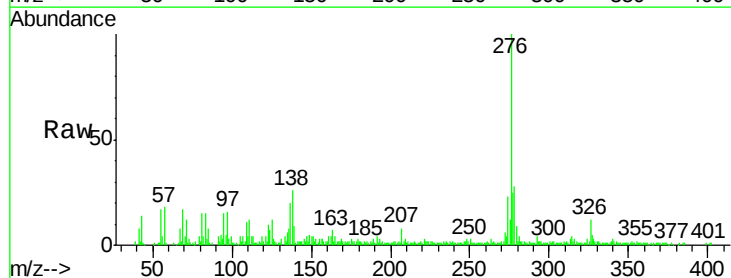
Manual Integrations
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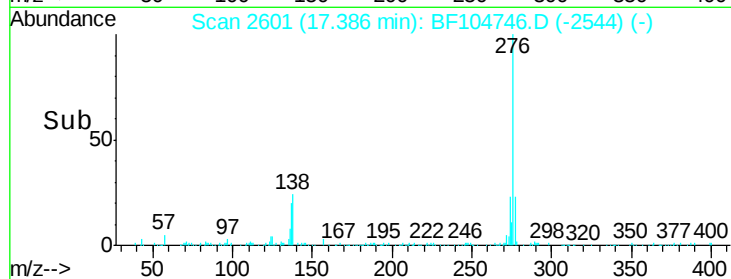
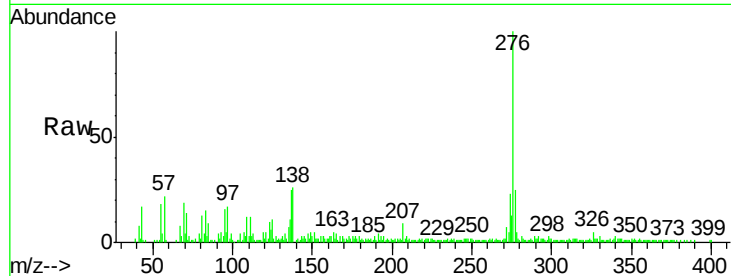
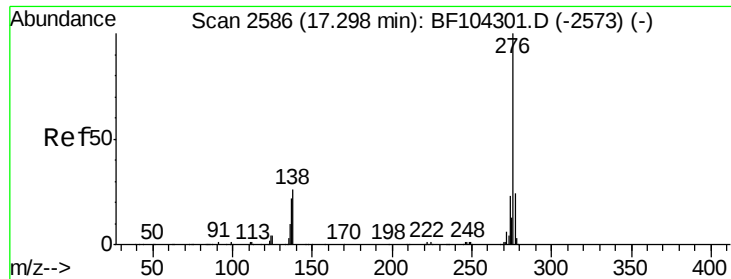
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 7.360 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.02 min
Lab File: BF104746.D
Acq: 24 Apr 2018 9:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.2	15.9	23.9#
279	33.7	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 27.128 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.04 min

Lab File: BF104746.D

Acq: 24 Apr 2018 9:36

Instrument :

BNA_F

ClientSampleId :

A2-SB01-SW-4.5

Tot Ion:	276	Resp:	136315
Ion Ratio		Lower	Upper
276	100		
277	25.0	17.9	26.9
138	26.0	21.8	32.8

Manual Integrations
APPROVED

Sohil
4/24/2018 3:49:23 PM

