

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101073.D
 Acq On : 1 Dec 2017 19:45
 Operator : SJ/JU
 Sample : I6622-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DBWW1A-2-4

Manual Integrations
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 12/4/2017 11:56:51 AM

Quant Time: Dec 04 00:59:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	55417	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	213644	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	89694	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	137670	20.00	ng	0.00
75) Chrysene-d12	14.02	240	128169	20.00	ng	0.00
86) Perylene-d12	15.49	264	110189	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	327132	97.55	ng	0.01
7) Phenol-d6	6.50	99	398487	97.87	ng	0.02
23) Nitrobenzene-d5	7.42	82	232050	64.79	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	71973	66.80	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	391270	59.68	ng	0.00
78) Terphenyl-d14	12.96	244	274985	46.93	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.51	94	13757	3.039	ng	79
31) Naphthalene	8.15	128	52687	5.004	ng	99
37) 2-Methylnaphthalene	8.84	142	16894	2.361	ng	97
49) Dimethylphthalate	9.59	163	30731	4.248	ng	100
51) Acenaphthene	9.92	154	28207	4.912	ng	99
54) Dibenzofuran	10.09	168	26153	3.160	ng	97
57) Fluorene	10.43	166	31583	4.694	ng	98
70) Phenanthrene	11.40	178	253702	33.464	ng	97
71) Anthracene	11.45	178	67164	8.753	ng	97
72) Carbazole	11.60	167	34309	4.894	ng	98
74) Fluoranthene	12.59	202	284475	33.850	ng	93
77) Pyrene	12.82	202	237413	26.844	ng	98
80) Benzo(a)anthracene	14.01	228	151970	18.779	ng	97
82) Chrysene	14.04	228	133624	17.780	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	49488	7.407	ng	# 92
87) Benzo(b)fluoranthene	15.06	252	163731m	24.808	ng	
88) Benzo(k)fluoranthene	15.09	252	50400m	7.751	ng	
89) Benzo(a)pyrene	15.43	252	106674	17.778	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	13404	2.534	ng	94
91) Benzo(a,h,i)perylene	17.42	276	44566	8.940	ng	# 89

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

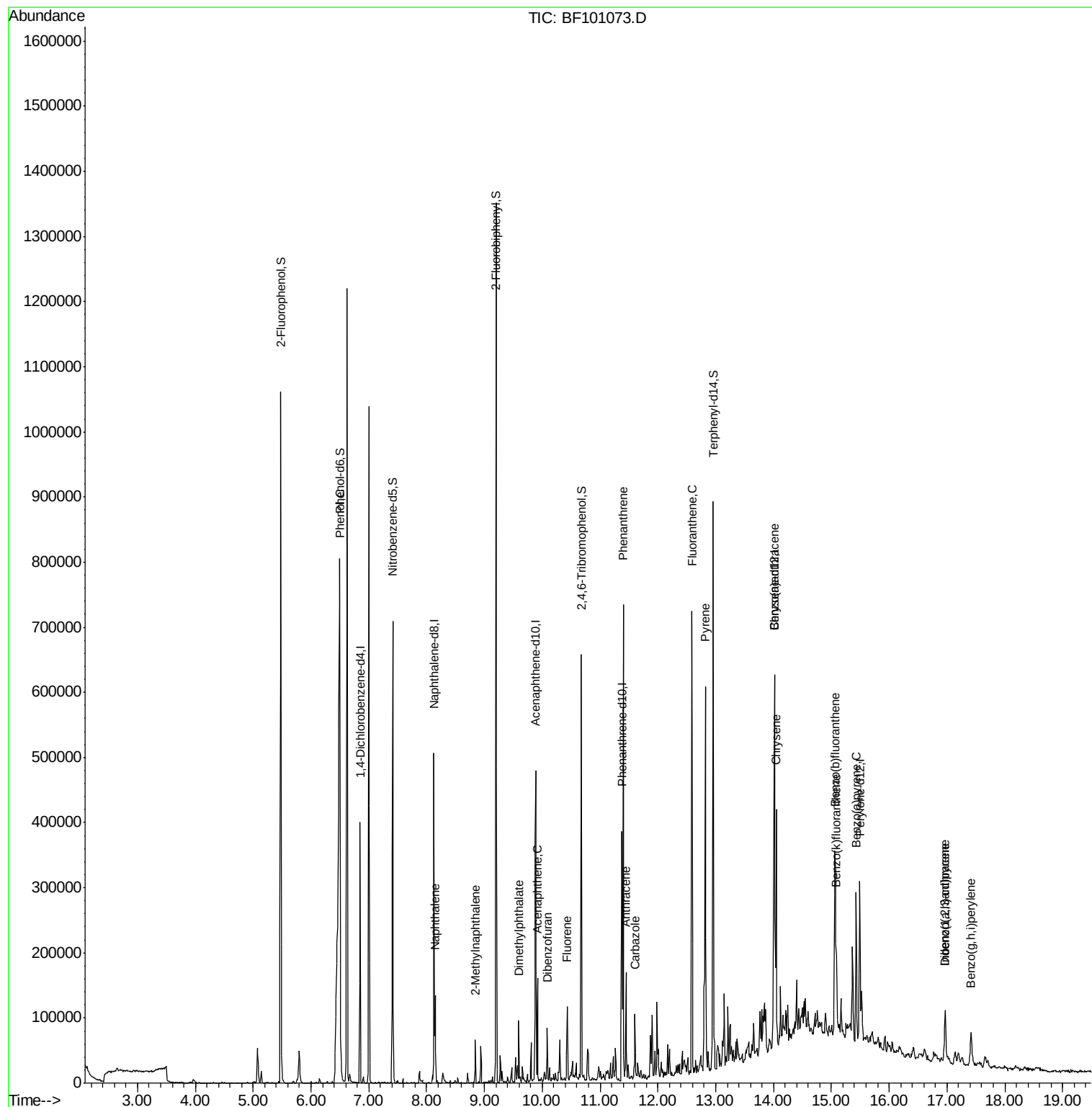
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101073.D
Acq On : 1 Dec 2017 19:45
Operator : SJ/JU
Sample : I6622-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

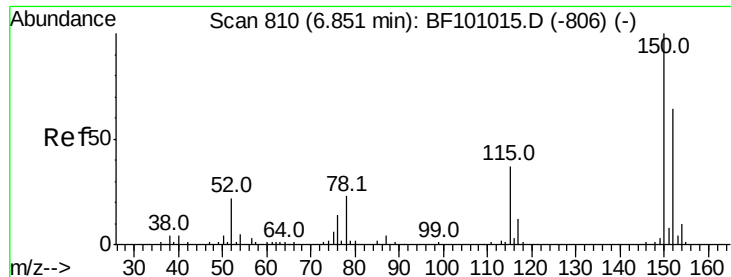
Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

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Quant Time: Dec 04 00:59:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

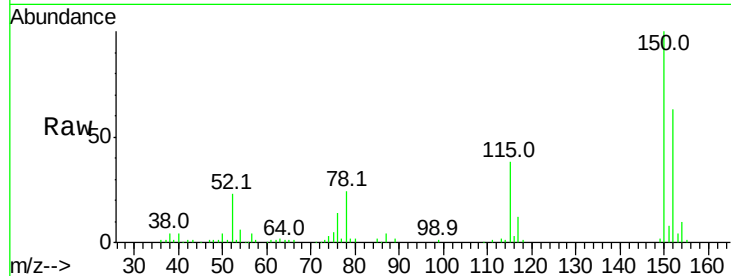
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	61.0	50.1	75.1

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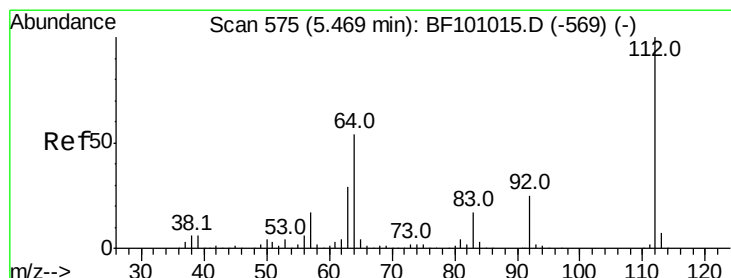
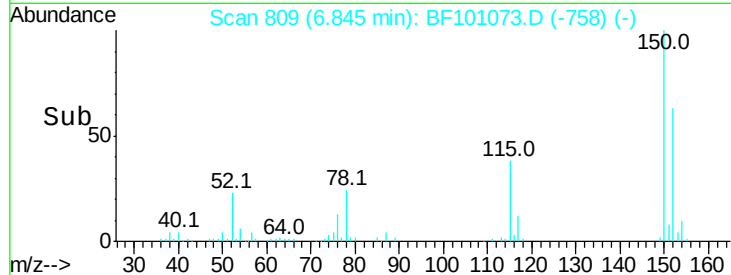
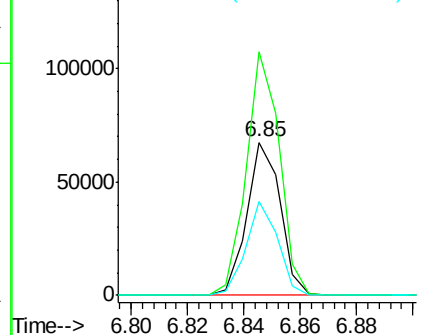


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

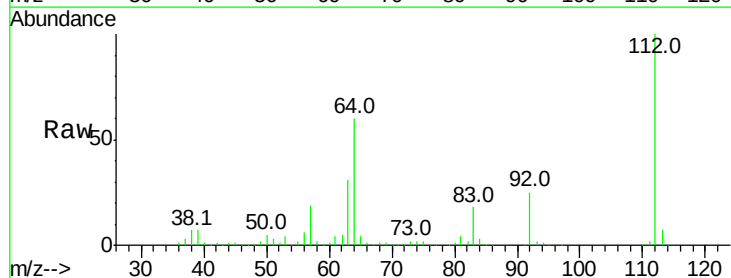
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 97.545 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	31.4	23.7	35.5

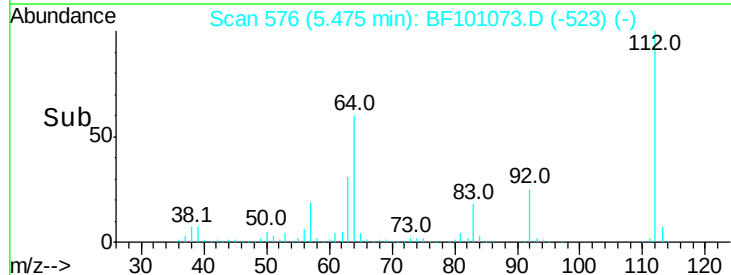
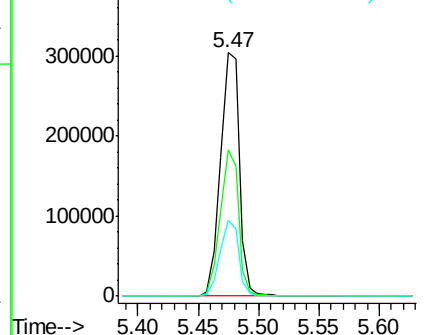


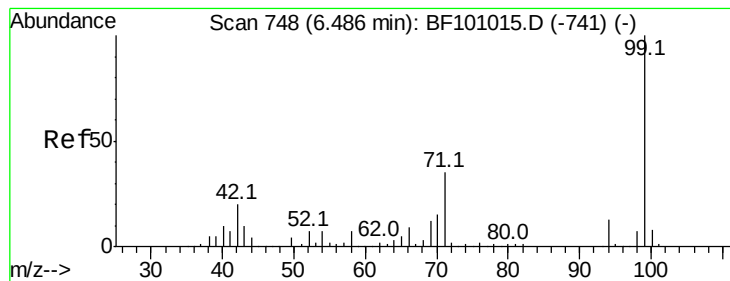
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.869 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.02 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Instrument :

BNA_F

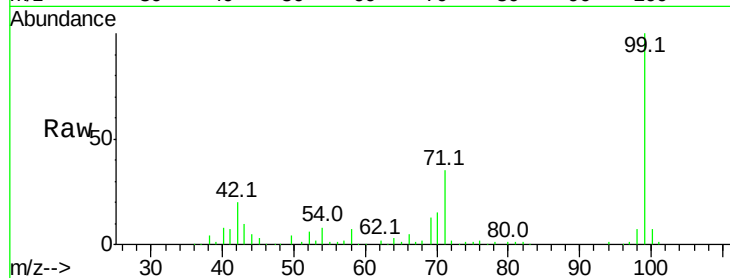
ClientSampleId :

DBWW1A-2-4

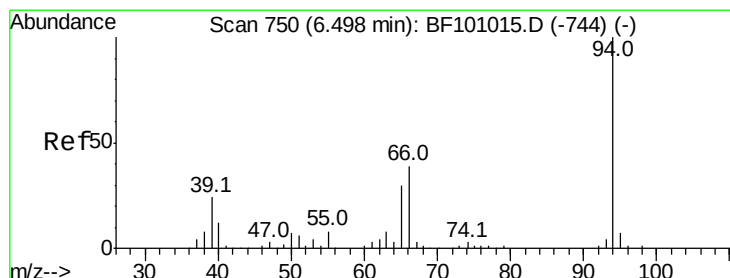
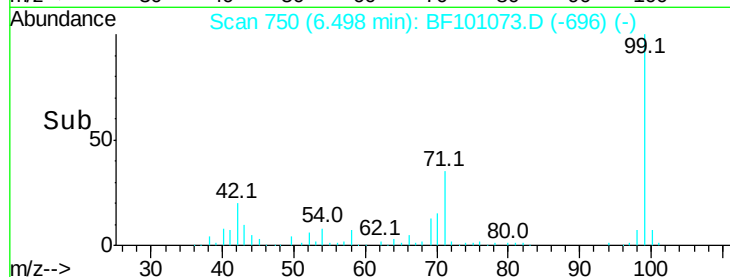
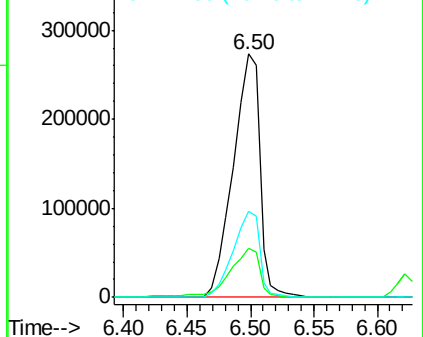
Tot Ion:	99	Resp:	398487
Ion Ratio	Lower	Upper	
99	100		
42	20.1	14.5	21.7
71	35.5	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.039 ng

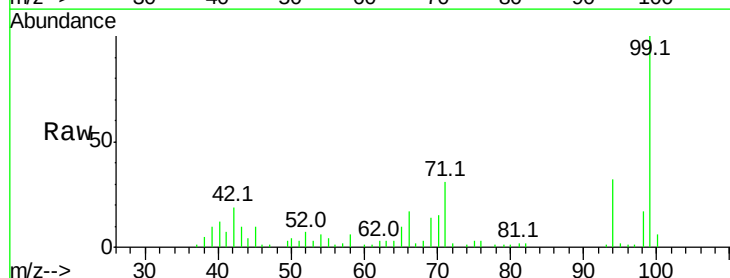
RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

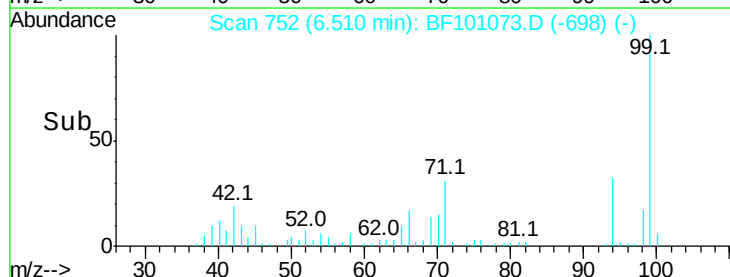
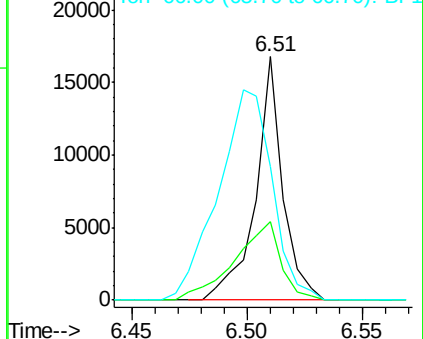
Lab File: BF101073.D

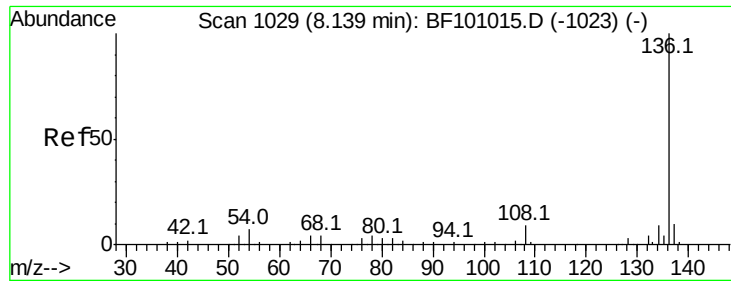
Acq: 1 Dec 2017 19:45

Tgt Ion:	94	Resp:	13757
Ion Ratio	Lower	Upper	
94	100		
65	32.1	7.9	47.9
66	55.0	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





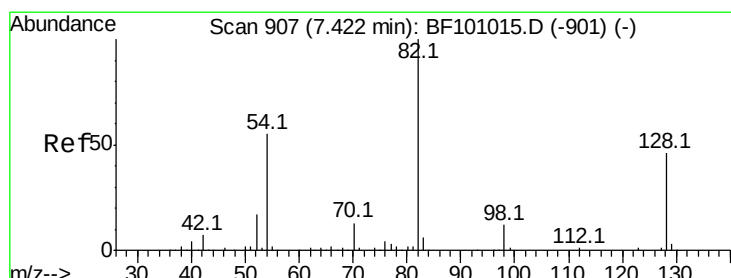
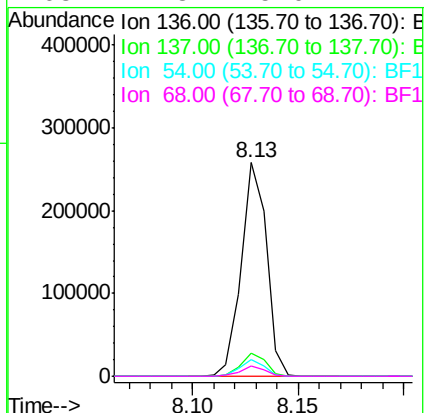
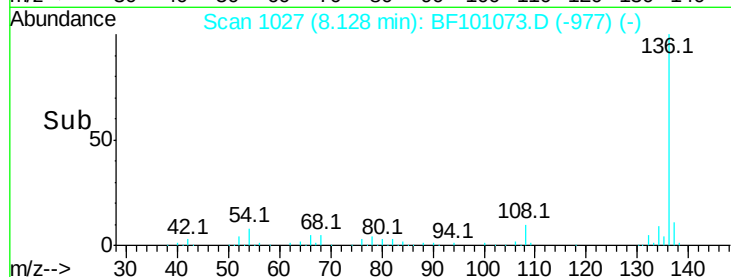
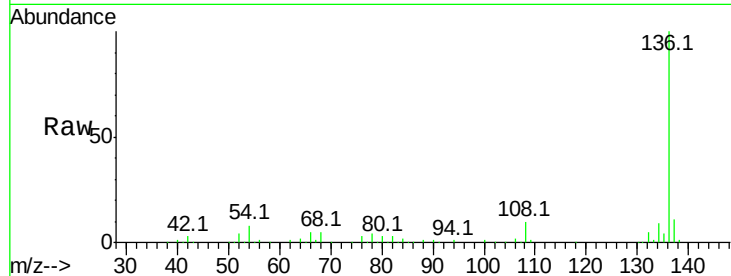
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.8	6.6	9.8	
68	4.8	5.0	7.4	

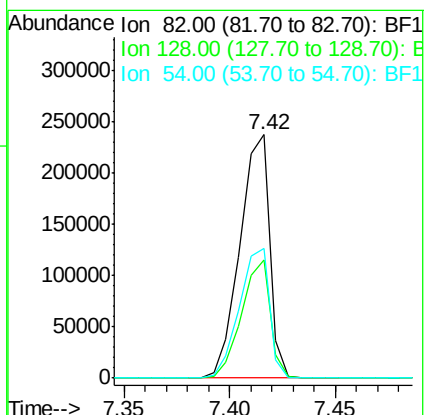
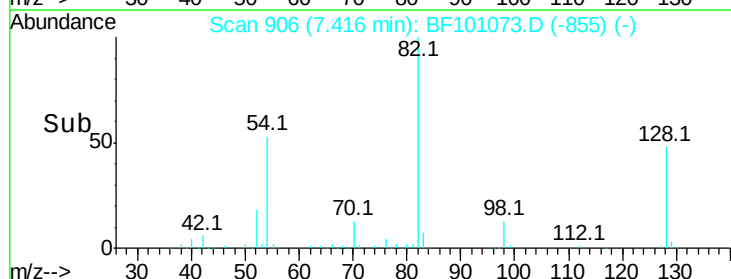
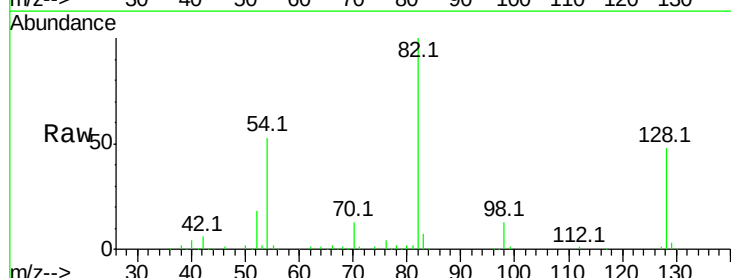
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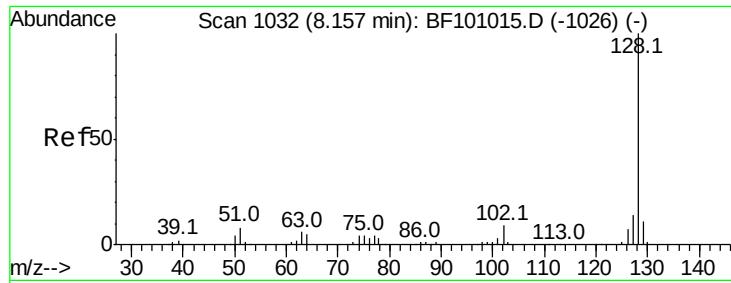
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#23
Nitrobenzene-d5
Concen: 64.792 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.4	36.1	54.1	
54	53.4	41.4	62.2	





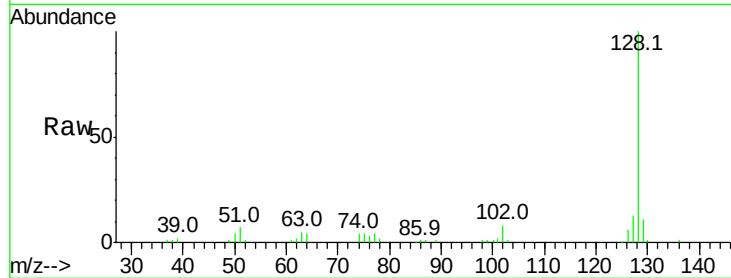
#31
Naphthalene
Concen: 5.004 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

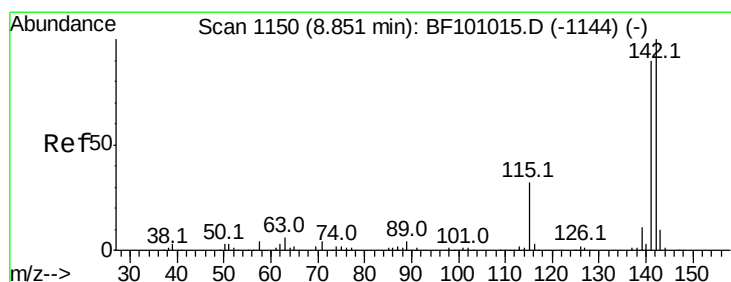
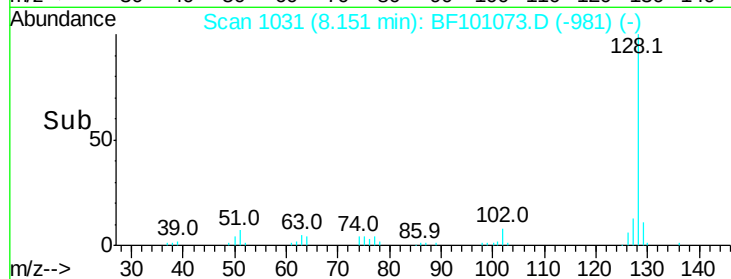
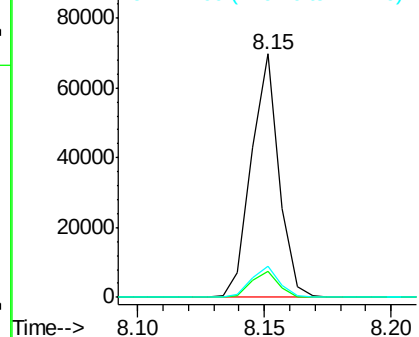
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.8	10.9	16.3

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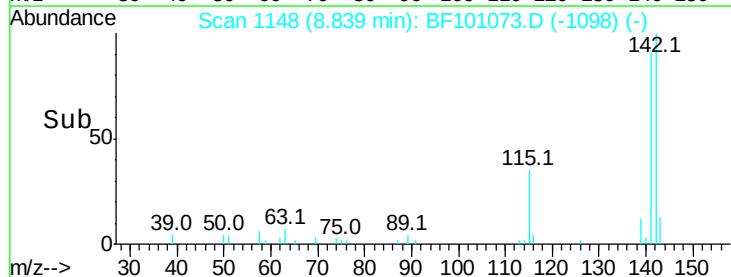
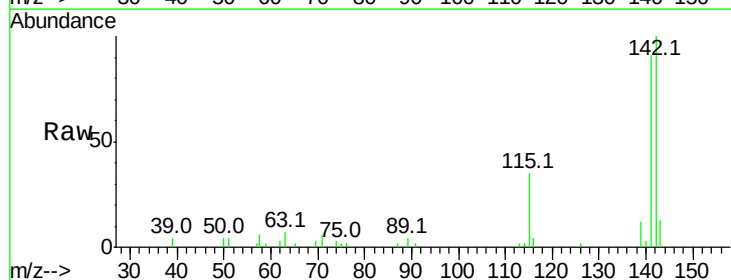
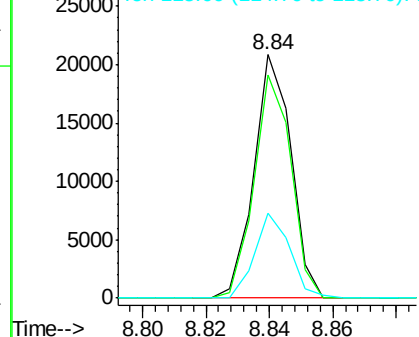
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

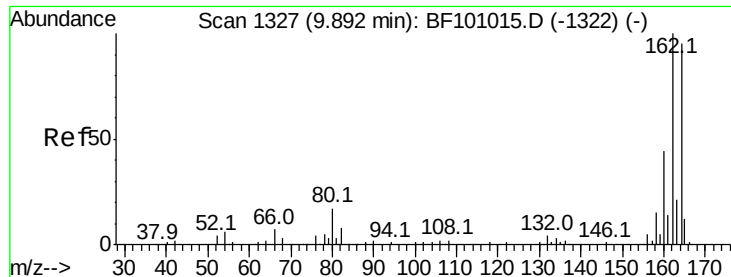


#37
2-Methylnaphthalene
Concen: 2.361 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.8	106.2
115	35.1	26.1	39.1

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





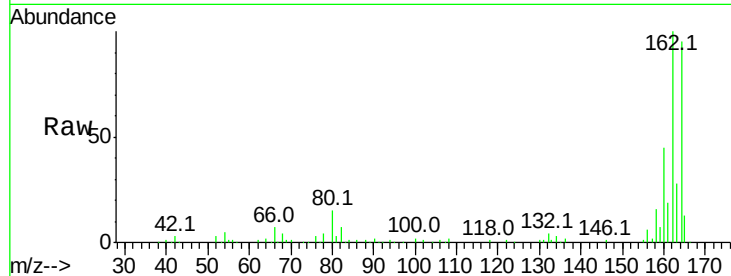
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101073.D
 Acq: 1 Dec 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 DBWW1A-2-4

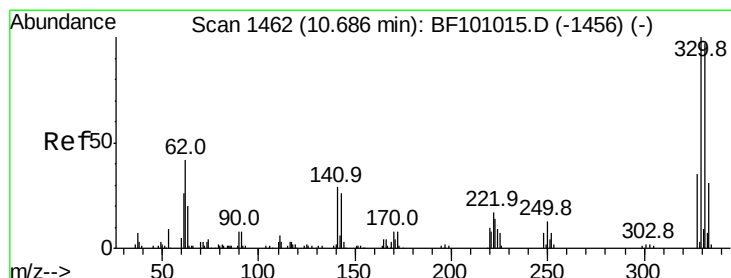
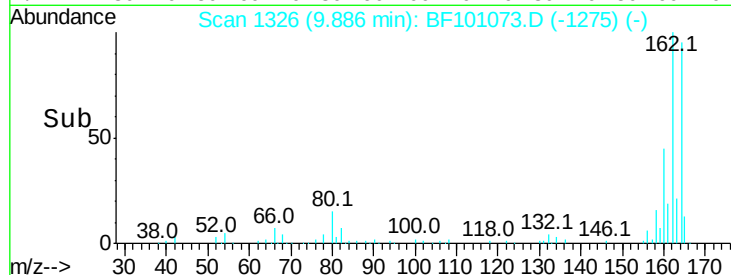
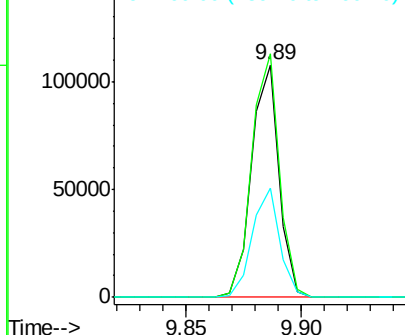
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	47.2	38.3	57.5

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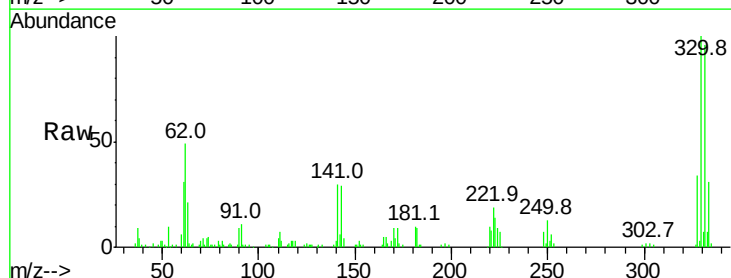


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

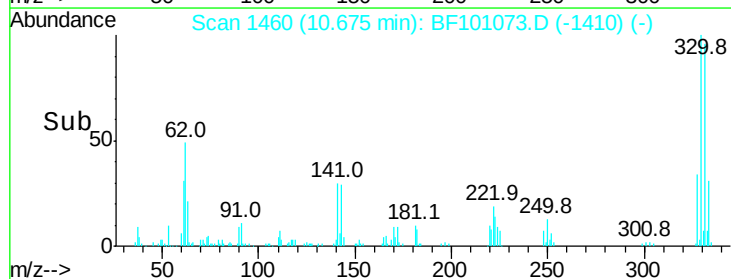
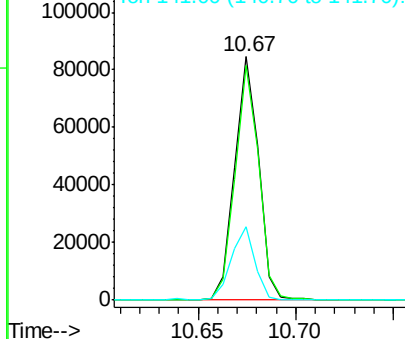


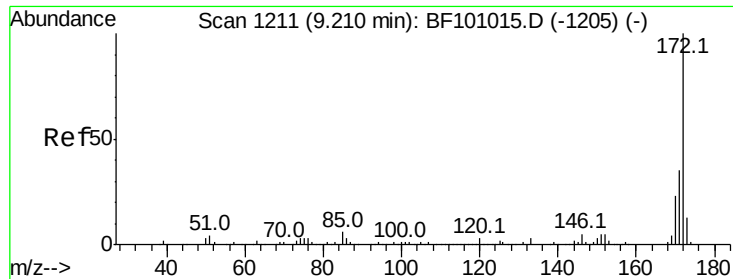
#41
 2,4,6-Tribromophenol
 Concen: 66.798 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101073.D
 Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	29.9	29.9	44.9#



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





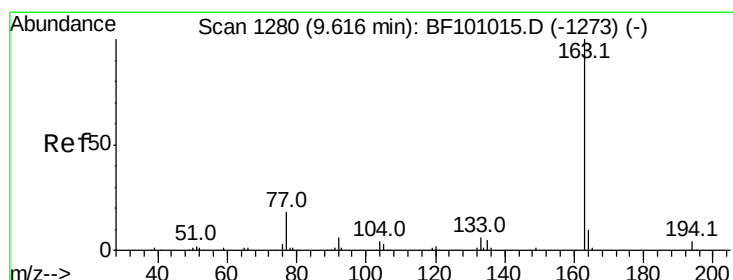
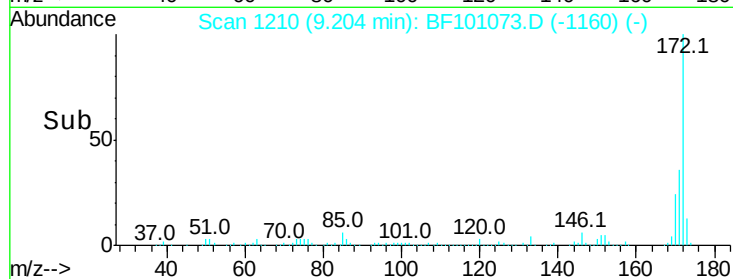
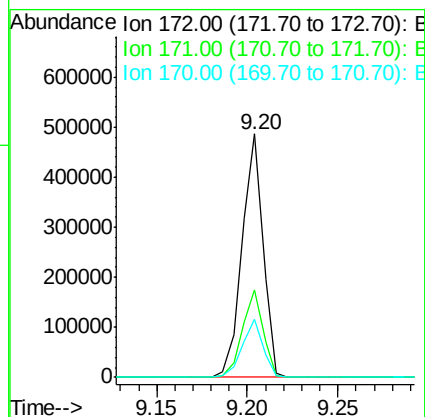
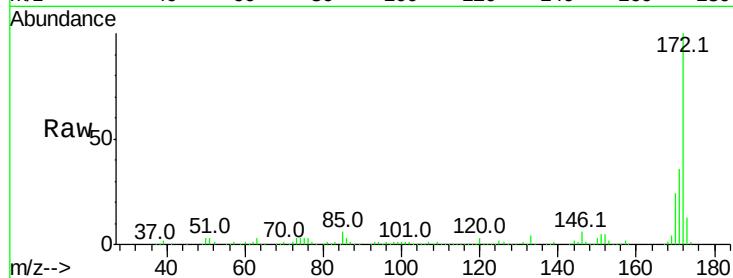
#44
2-Fluorobiphenyl
Concen: 59.685 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

Tot Ion	Ratio	Resp	Lower	Upper
172	100	391270		
171	35.9	29.7	44.5	
170	23.9	19.6	29.4	

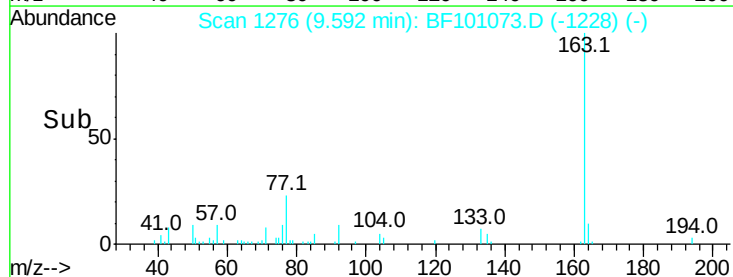
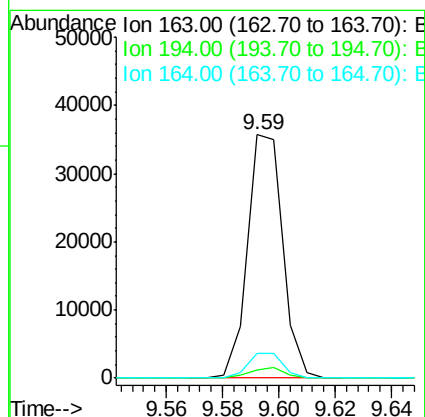
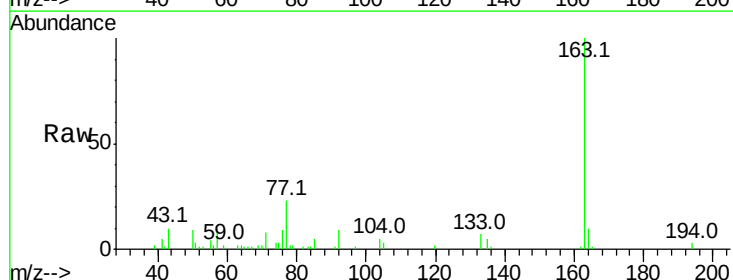
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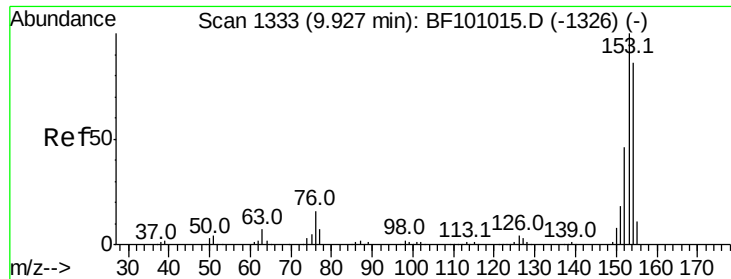
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#49
Dimethylphthalate
Concen: 4.248 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	30731		
194	3.5	2.7	4.1	
164	10.3	8.2	12.2	





#51

Acenaphthene

Concen: 4.912 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Instrument :

BNA_F

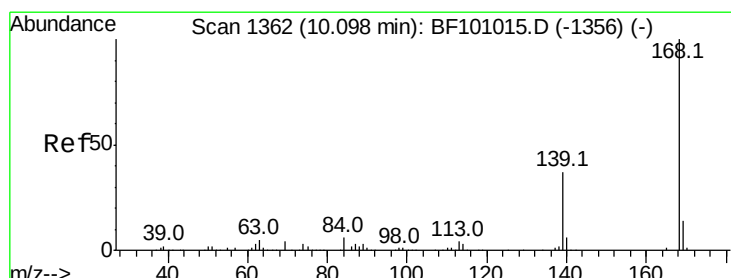
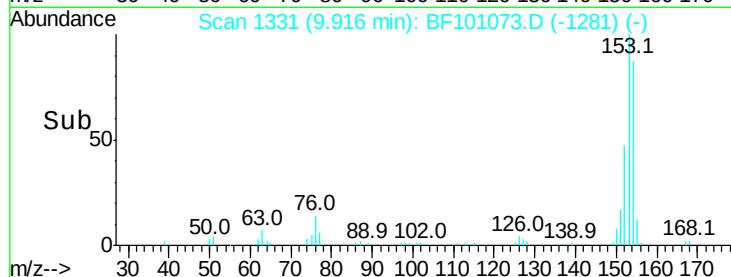
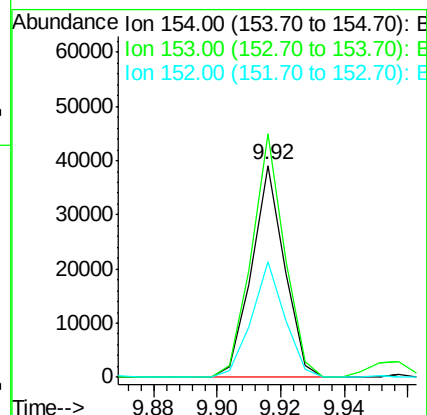
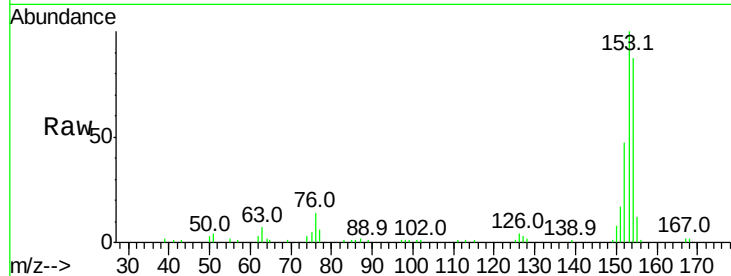
ClientSampleId :

DBWW1A-2-4

Tot Ion:154	Resp:	28207
Ion Ratio	Lower	Upper
154	100	
153	114.8	91.2 136.8
152	54.3	43.8 65.8

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#54

Dibenzofuran

Concen: 3.160 ng

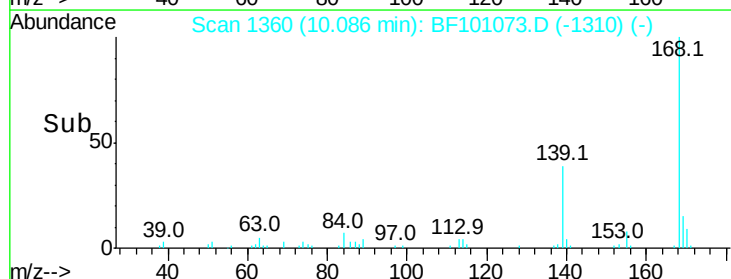
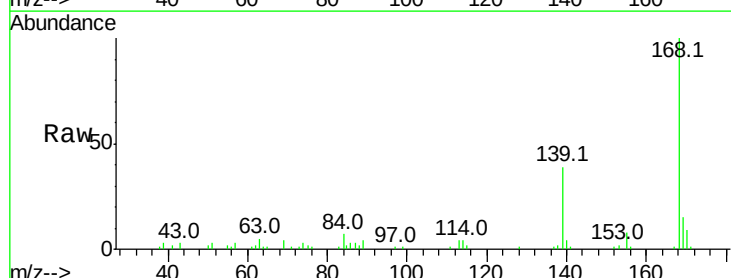
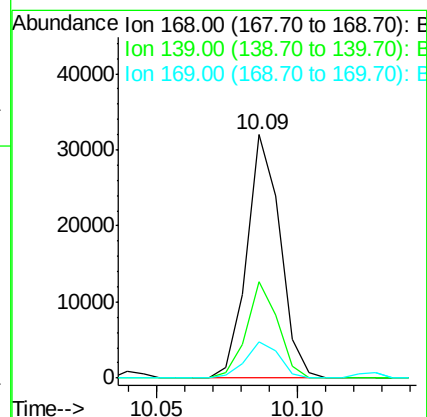
RT: 10.09 min Scan# 1360

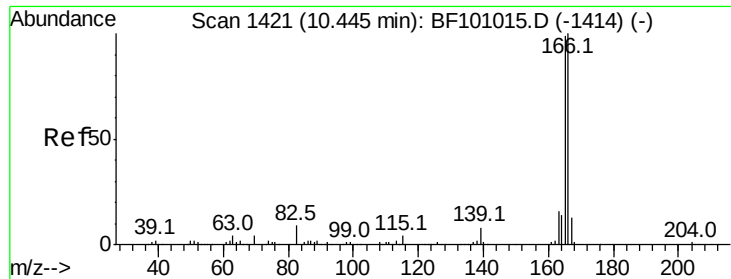
Delta R.T. -0.01 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Tgt Ion:168	Resp:	26153
Ion Ratio	Lower	Upper
168	100	
139	39.4	30.1 45.1
169	14.9	10.9 16.3





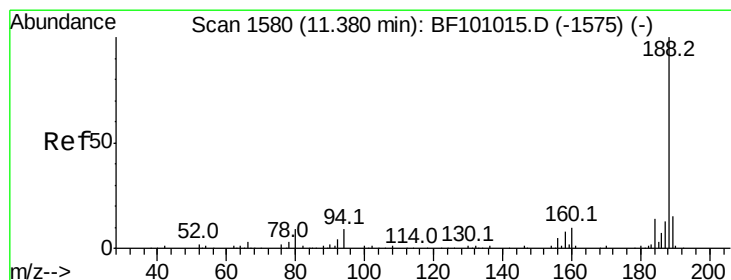
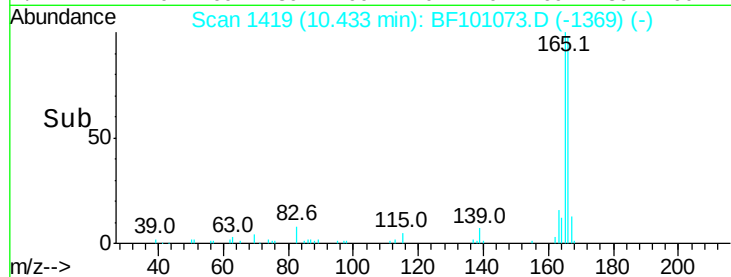
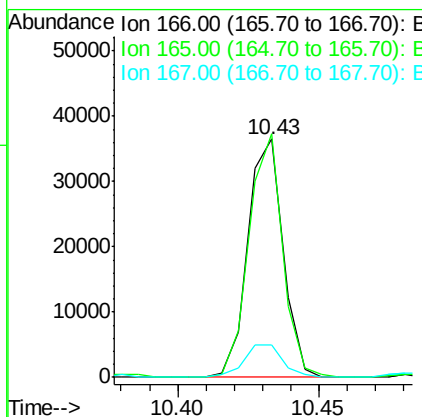
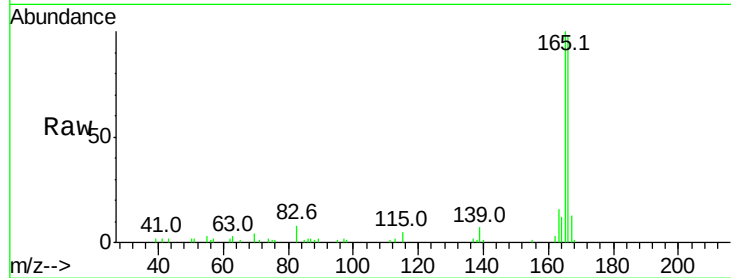
#57
Fluorene
 Concen: 4.694 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101073.D
 Acq: 1 Dec 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 DBWW1A-2-4

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.8	119.8
167	13.5	10.6	16.0

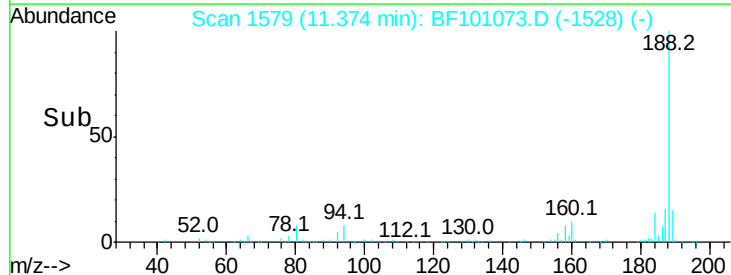
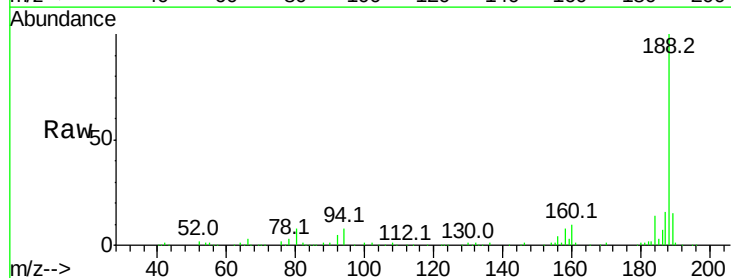
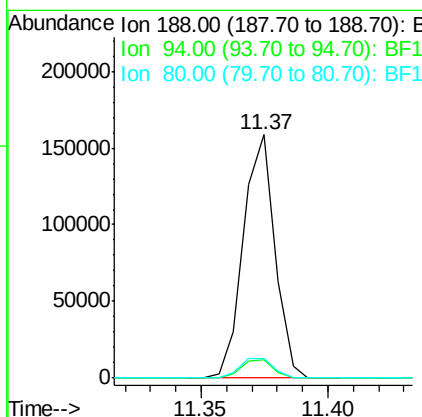
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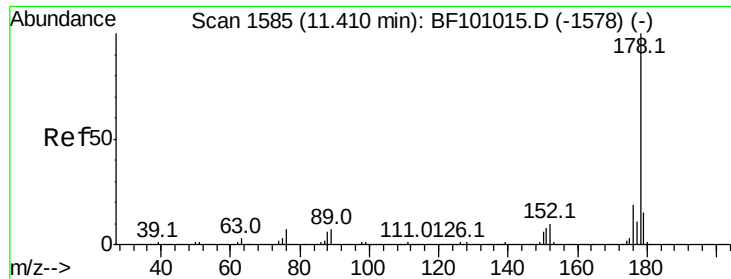
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101073.D
 Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.1	9.2	13.8#





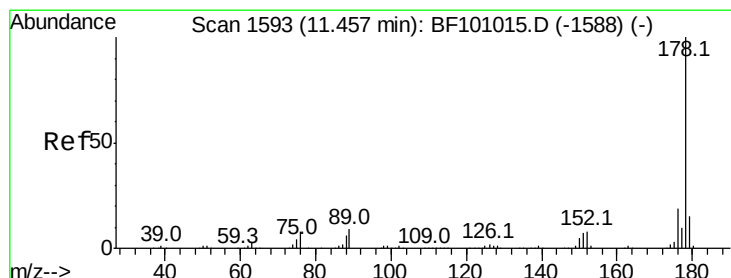
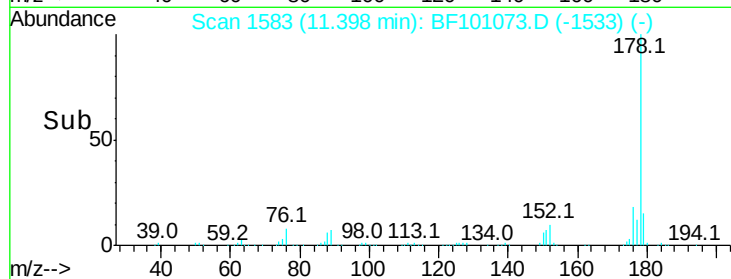
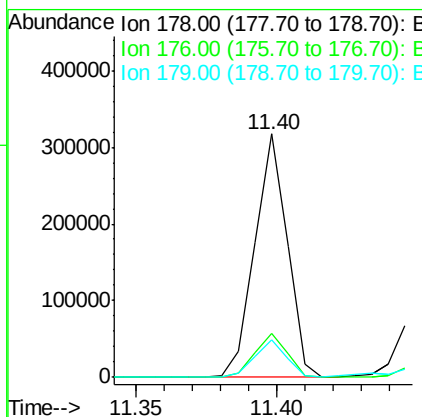
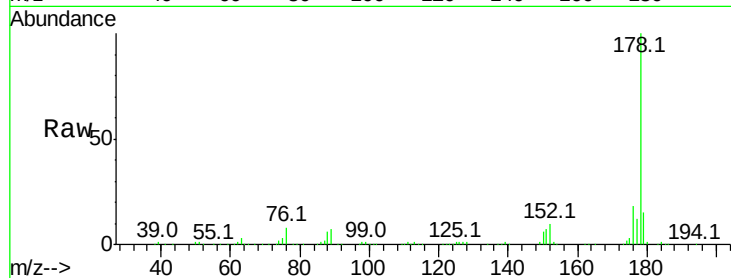
#70
Phenanthrene
Concen: 33.464 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.3	13.0	19.6

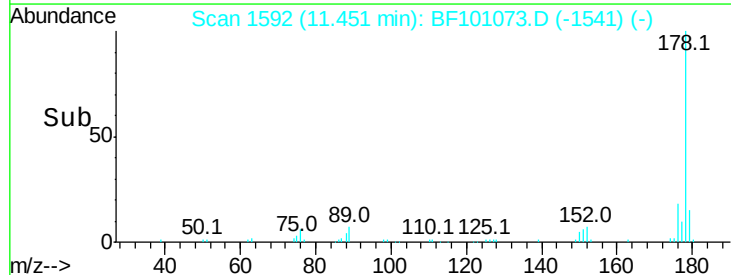
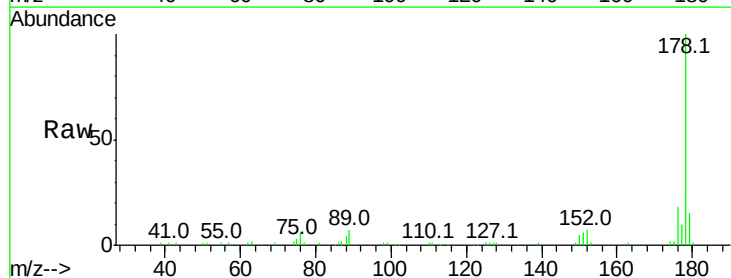
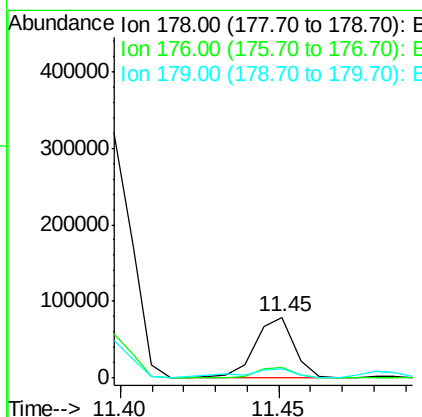
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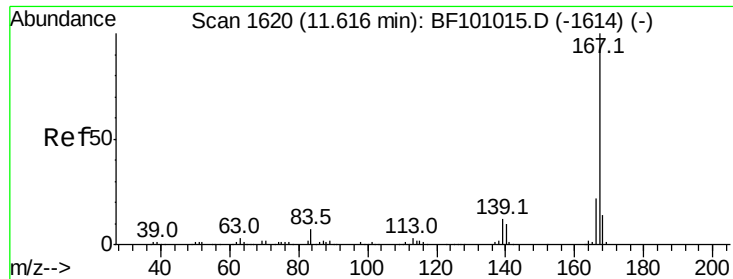
Sohil
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#71
Anthracene
Concen: 8.753 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.7	12.6	19.0





#72

Carbazole

Concen: 4.894 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Instrument :

BNA_F

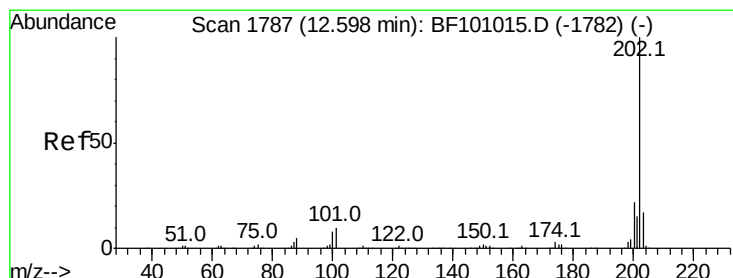
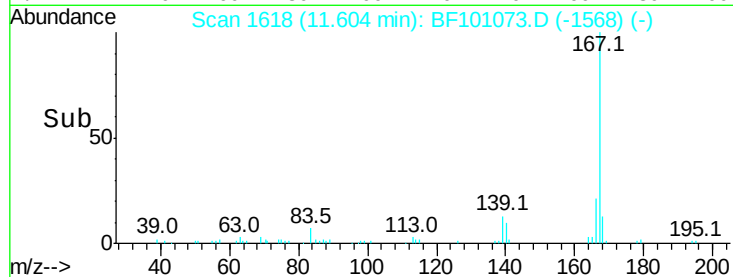
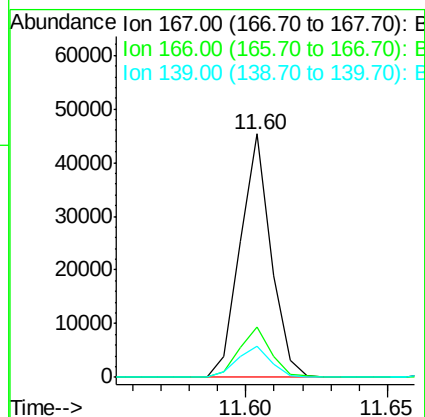
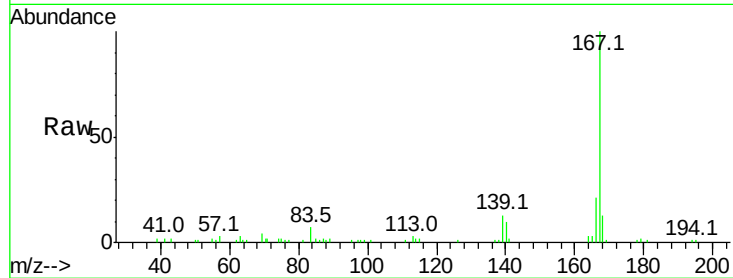
ClientSampleId :

DBWW1A-2-4

Tot Ion:	167	Resp:	34309
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.6	26.4
139	12.6	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 33.850 ng

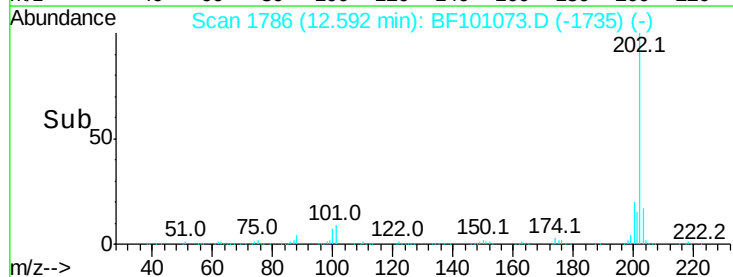
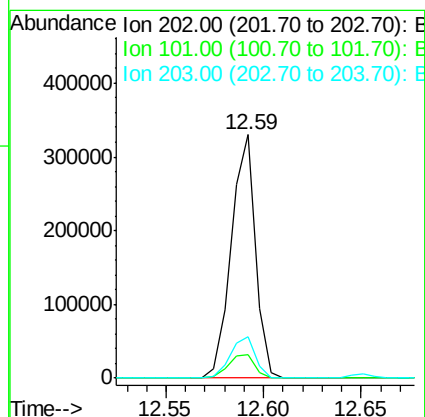
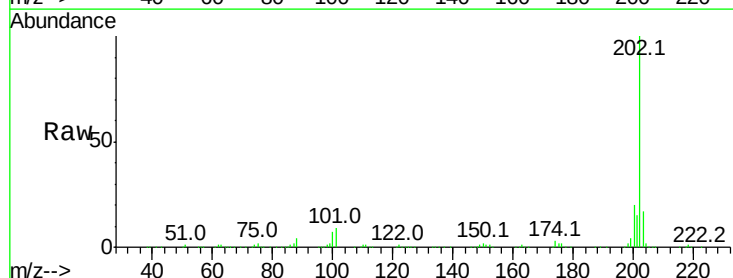
RT: 12.59 min Scan# 1786

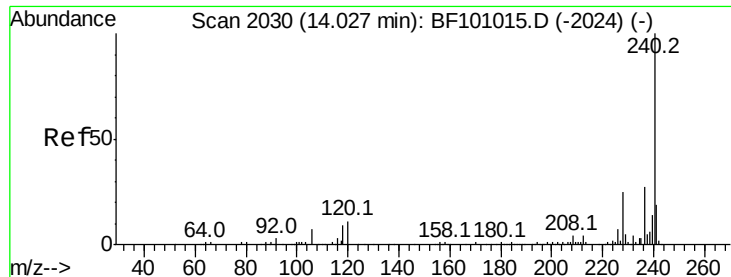
Delta R.T. 0.00 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Tgt Ion:	202	Resp:	284475
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.1
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Instrument :

BNA_F

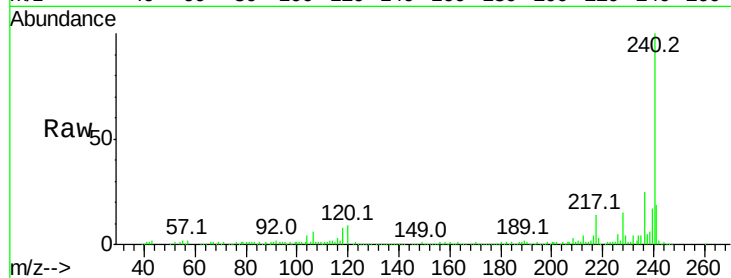
ClientSampleId :

DBWW1A-2-4

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.3	9.5	14.3#
236	24.9	20.7	31.1

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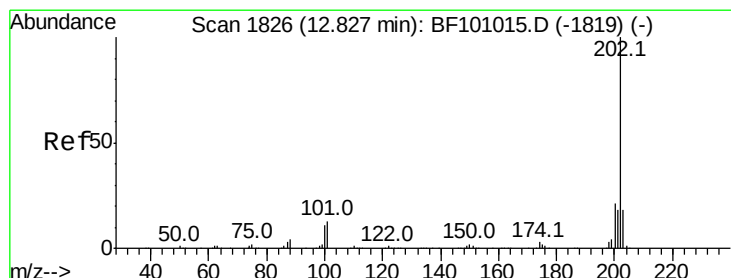
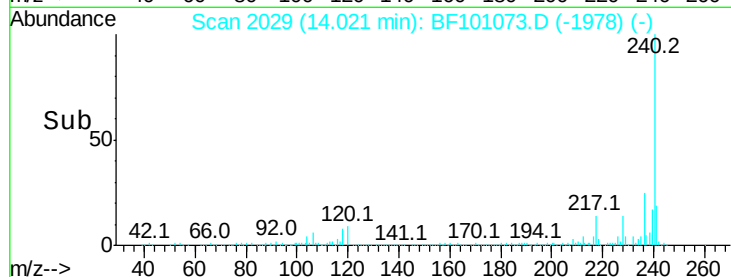
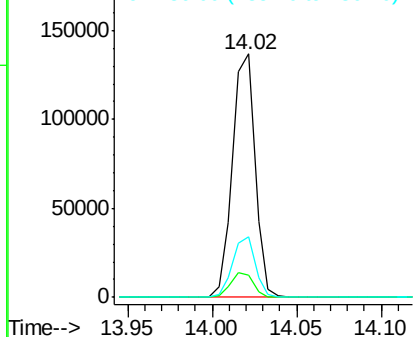
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 26.844 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101073.D

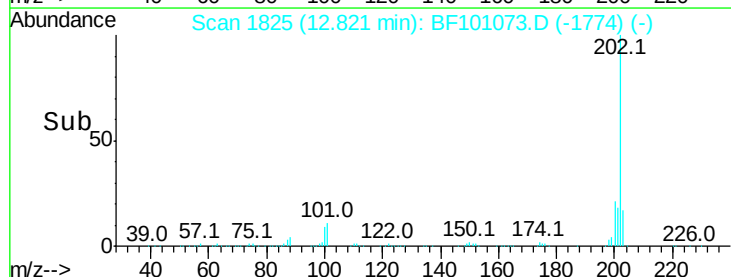
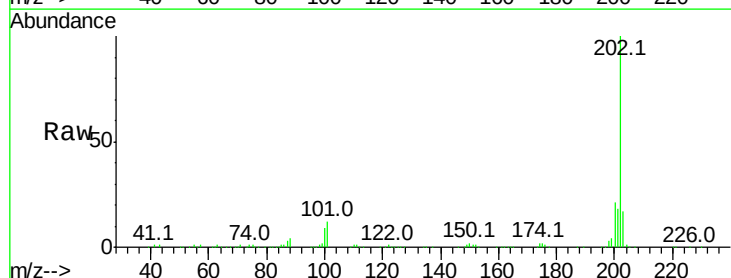
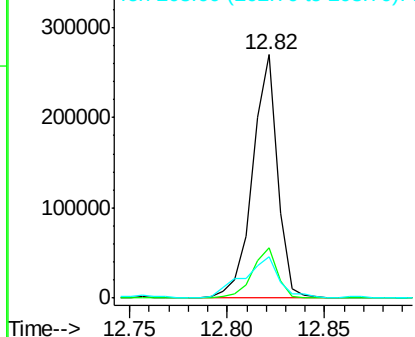
Acq: 1 Dec 2017 19:45

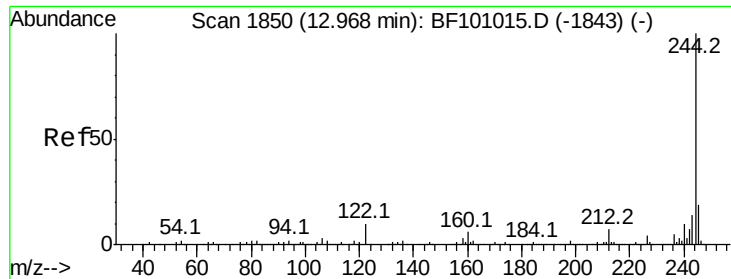
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.0	14.3	21.5

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





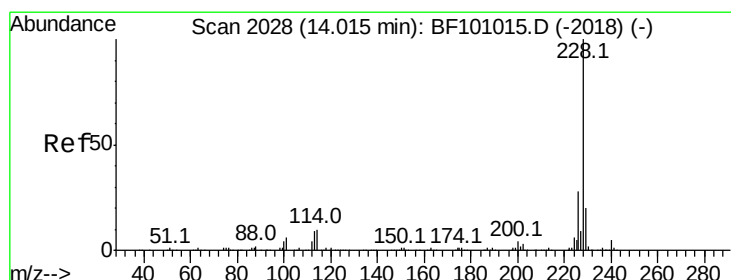
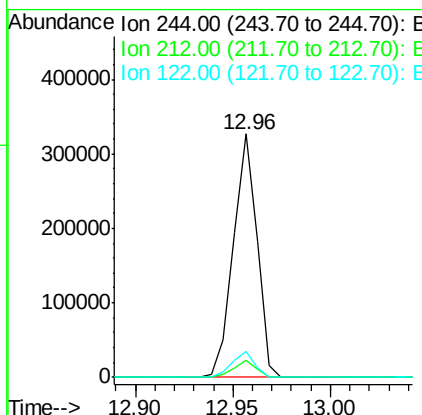
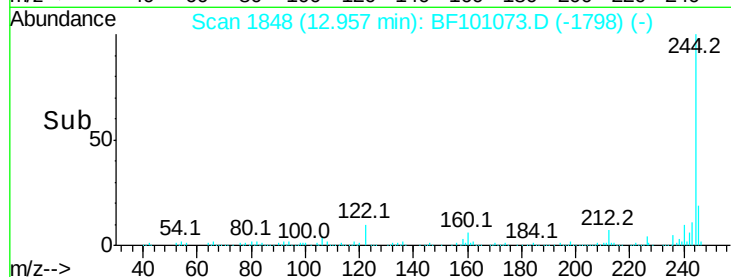
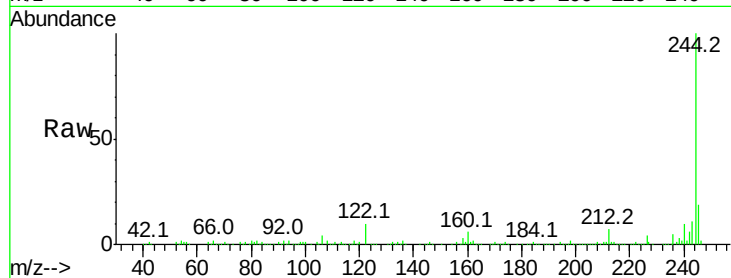
#78
 Terphenyl-d14
 Concen: 46.927 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101073.D
 Acq: 1 Dec 2017 19:45

Instrument :
 BNA_F
 ClientSampleId :
 DBWW1A-2-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.5	11.0	16.4

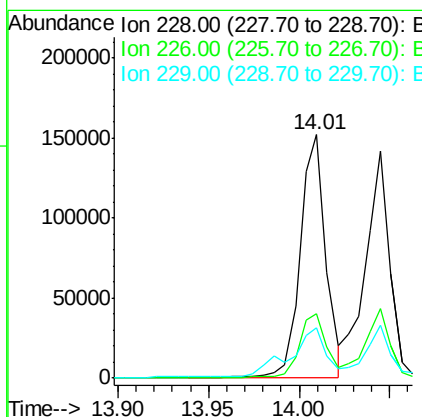
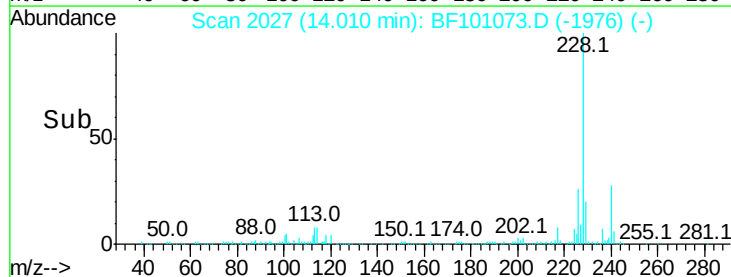
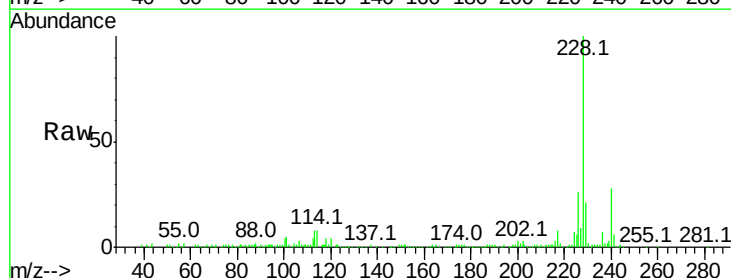
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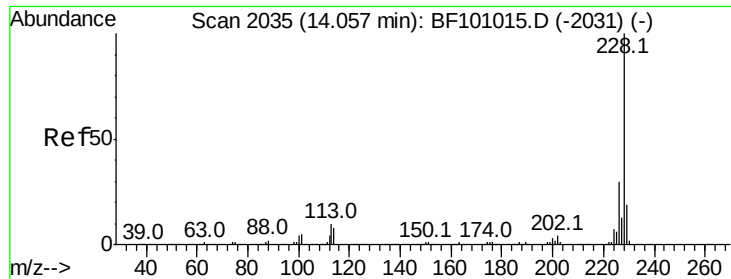
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#80
 Benzo(a)anthracene
 Concen: 18.779 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101073.D
 Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	20.5	15.8	23.6





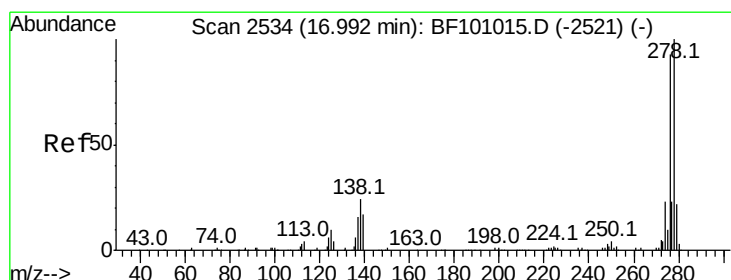
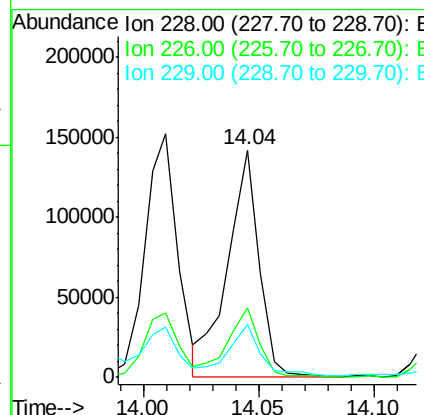
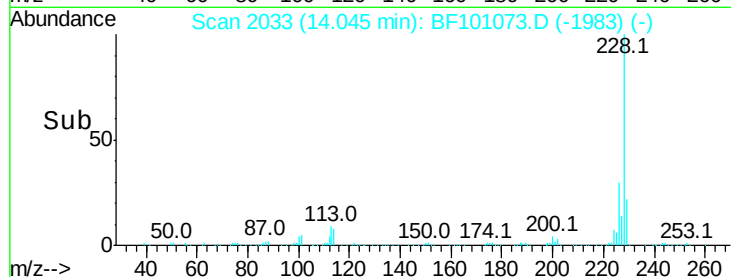
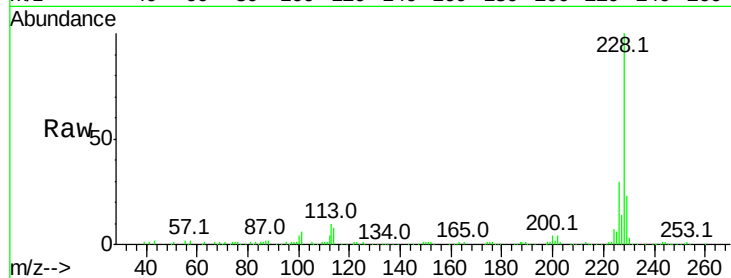
#82
Chrysene
Concen: 17.780 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

Tot Ion:	228	Resp:	133624
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	23.4	16.2	24.4

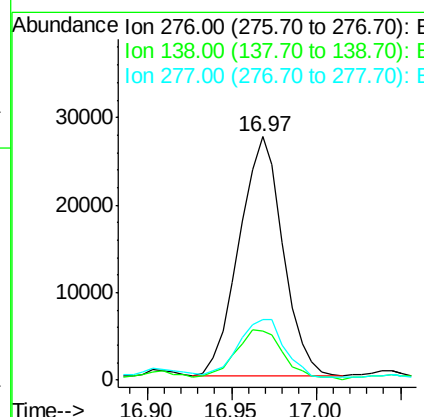
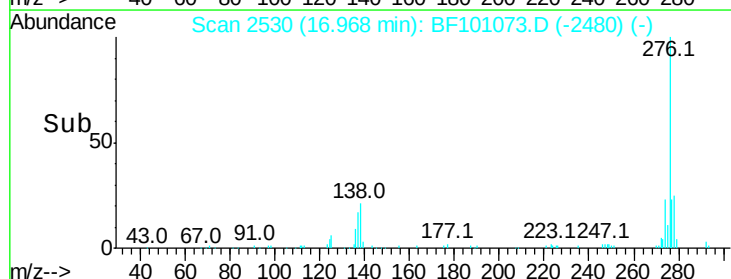
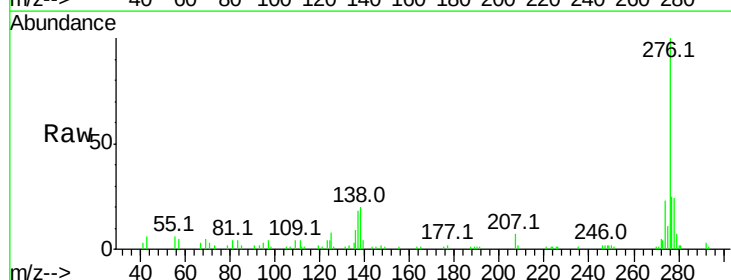
Manual Integrations
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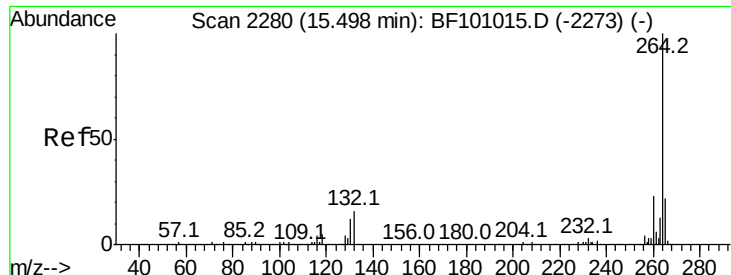
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.407 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion:	276	Resp:	49488
Ion Ratio	Lower	Upper	
276	100		
138	23.8	25.0	37.6#
277	25.4	20.1	30.1





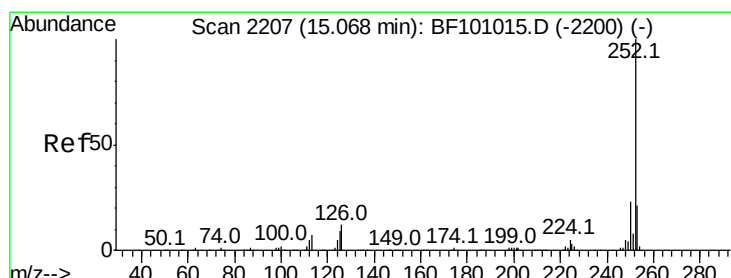
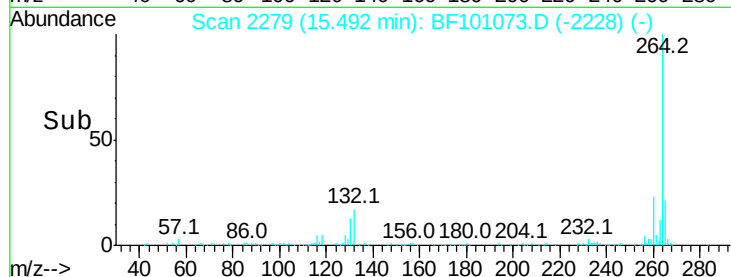
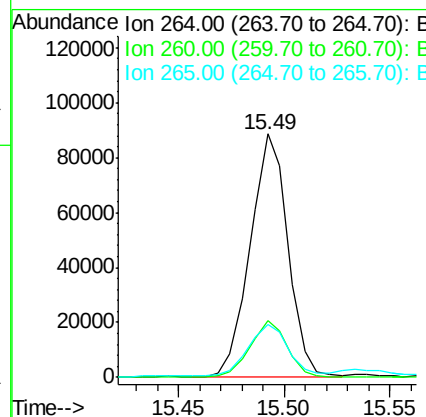
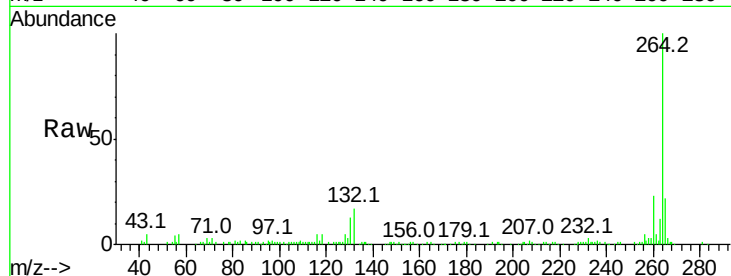
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Instrument :
BNA_F
ClientSampleId :
DBWW1A-2-4

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

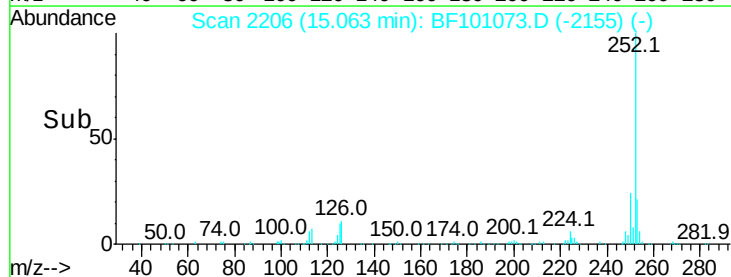
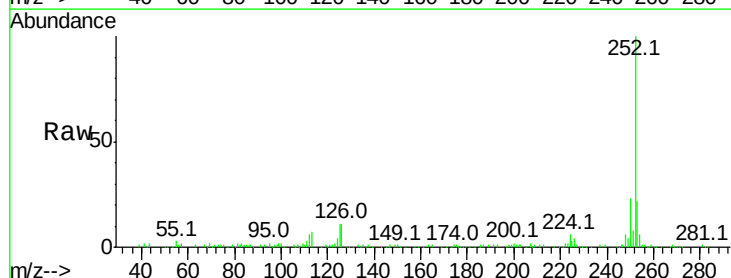
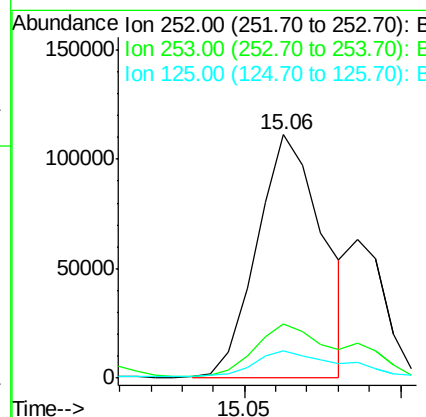
Manual Integrations
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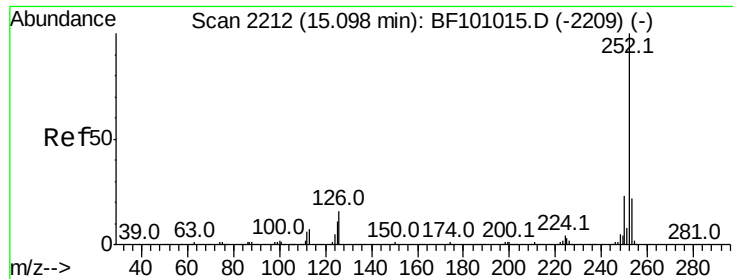
Sohil
12/4/2017 11:56:51 AM



#87
Benzo(b)fluoranthene
Concen: 24.808 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101073.D
Acq: 1 Dec 2017 19:45

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.0	25.6
125	11.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 7.751 ng/mL

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Instrument :

BNA_F

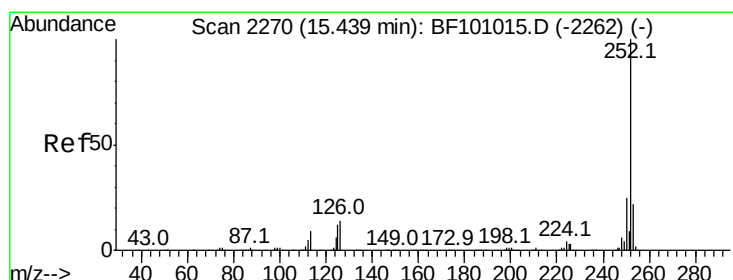
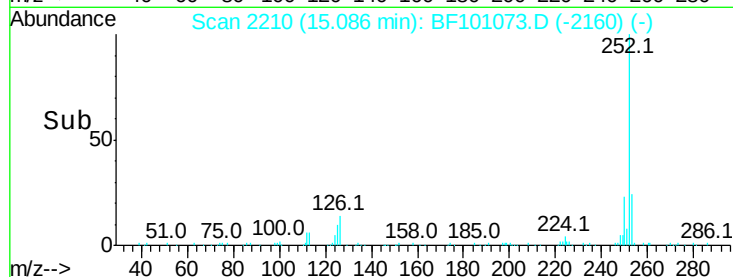
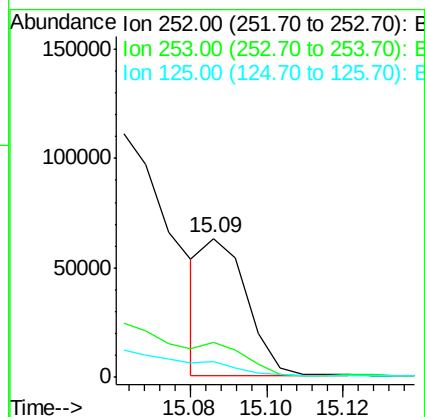
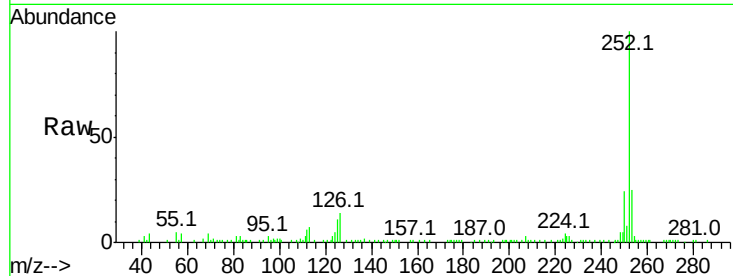
ClientSampleID :

DBWW1A-2-4

Tot Ion:	252	Resp:	50400
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	11.0	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 17.778 ng/mL

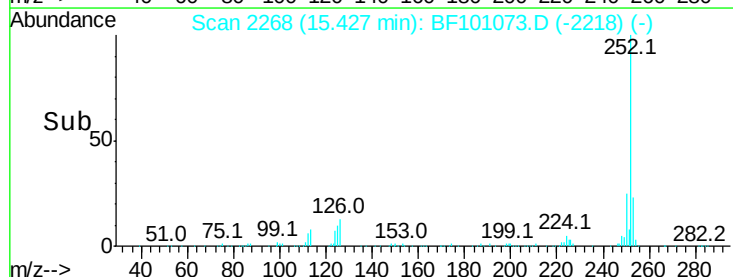
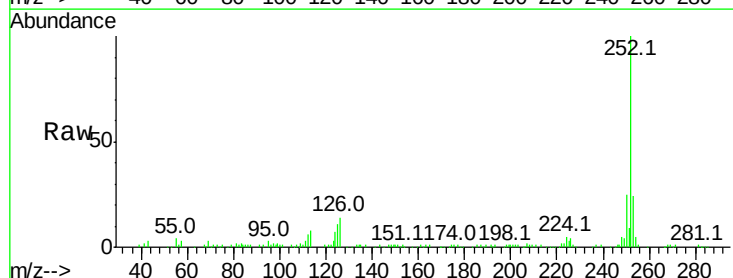
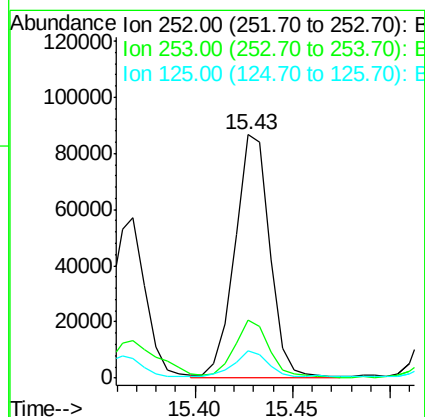
RT: 15.43 min Scan# 2268

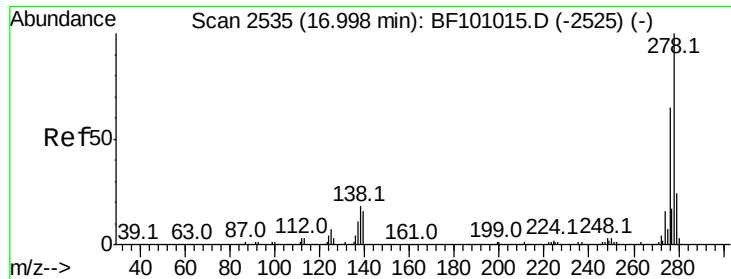
Delta R.T. -0.01 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Tgt Ion:	252	Resp:	106674
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	11.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.534 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.02 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Instrument :

BNA_F

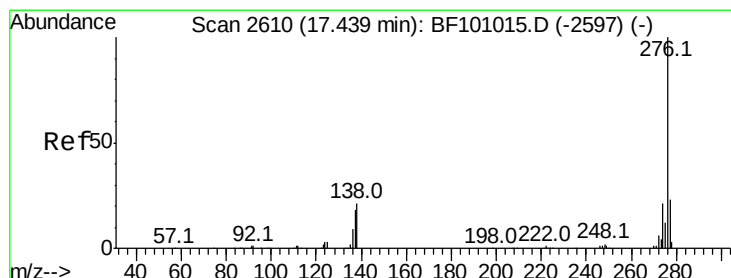
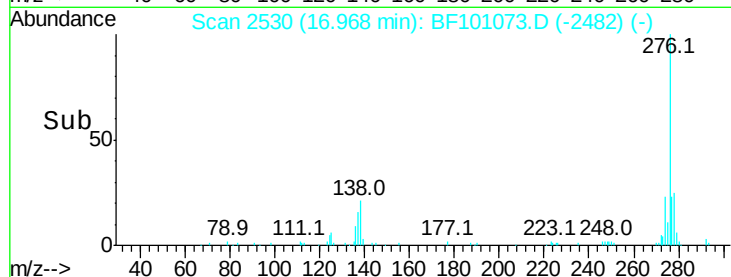
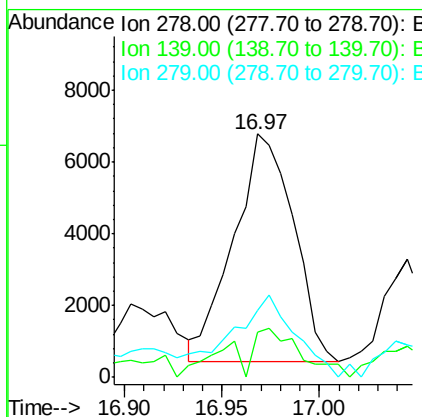
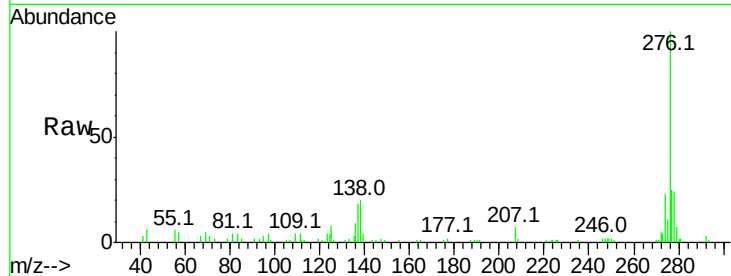
ClientSampleId :

DBWW1A-2-4

Tot Ion:	278	Resp:	13404
Ion Ratio	Lower	Upper	
278	100		
139	18.4	15.9	23.9
279	27.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:51 AM



#91

Benzo(g,h,i)perylene

Concen: 8.940 ng

RT: 17.42 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BF101073.D

Acq: 1 Dec 2017 19:45

Tgt Ion:	276	Resp:	44566
Ion Ratio	Lower	Upper	
276	100		
277	25.6	17.9	26.9
138	19.8	21.8	32.8#

