

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101426.D
 Acq On : 15 Dec 2017 6:31
 Operator : SJ/JU
 Sample : I6828-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DBWW-2-4-6

Manual Integrations
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 12/15/2017 6:45:08 PM

Quant Time: Dec 15 07:55:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	174359	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	659103	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	251659	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	386470	20.00	ng	0.00
75) Chrysene-d12	14.01	240	234872	20.00	ng	0.00
86) Perylene-d12	15.49	264	282272	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1368010	116.87	ng	0.00
7) Phenol-d6	6.46	99	1663182	114.17	ng	0.00
23) Nitrobenzene-d5	7.39	82	1021188	86.25	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	299234	123.40	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1376888	84.87	ng	0.00
78) Terphenyl-d14	12.94	244	919799	94.41	ng	0.00
Target Compounds						
10) Phenol	6.47	94	74156	4.466	ng	93
37) 2-Methylnaphthalene	8.82	142	45683	2.113	ng	95
49) Dimethylphthalate	9.57	163	91599	4.525	ng	# 96
70) Phenanthrene	11.37	178	224330	10.438	ng	96
71) Anthracene	11.43	178	54632m	2.489	ng	
73) Di-n-butylphthalate	11.90	149	76003	3.047	ng	# 91
74) Fluoranthene	12.57	202	255332	11.318	ng	96
77) Pyrene	12.80	202	231892	13.155	ng	98
80) Benzo(a)anthracene	14.00	228	93356	6.019	ng	# 94
82) Chrysene	14.03	228	113357m	7.741	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	56198	4.310	ng	95
87) Benzo(b)fluoranthene	15.06	252	115014m	6.685	ng	
88) Benzo(k)fluoranthene	15.08	252	38107m	2.278	ng	
89) Benzo(a)pyrene	15.43	252	84210	5.309	ng	# 68
91) Benzo(a,h,i)perylene	17.42	276	51912	3.850	ng	# 91

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

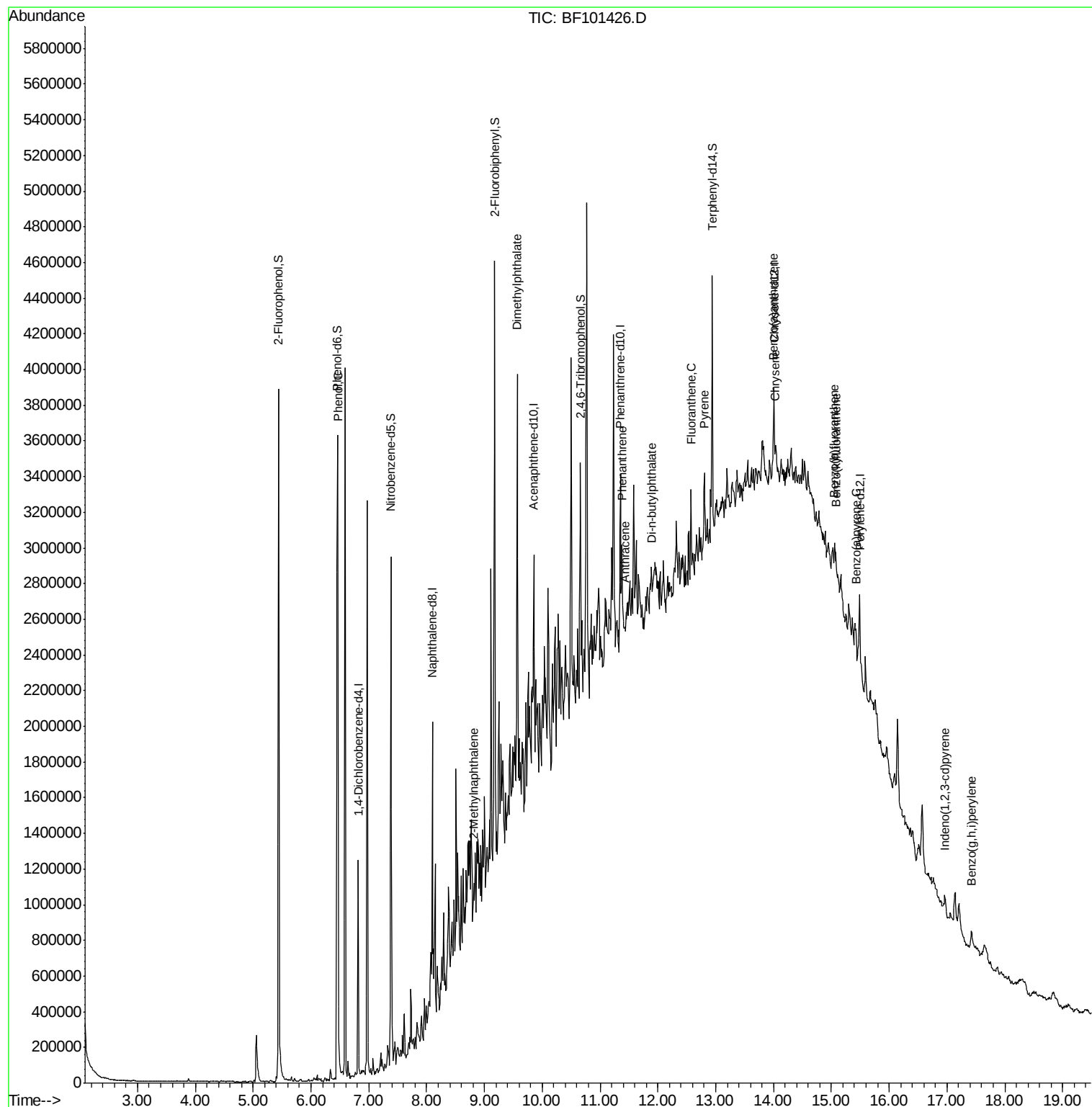
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101426.D
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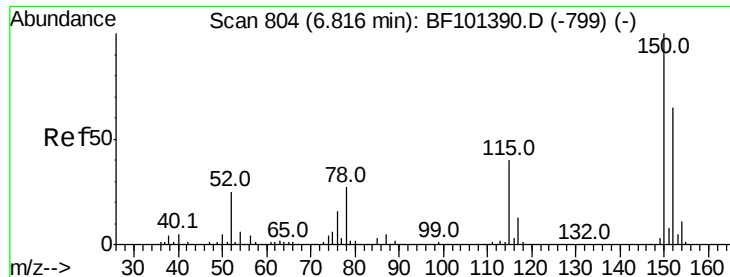
Instrument :
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#1

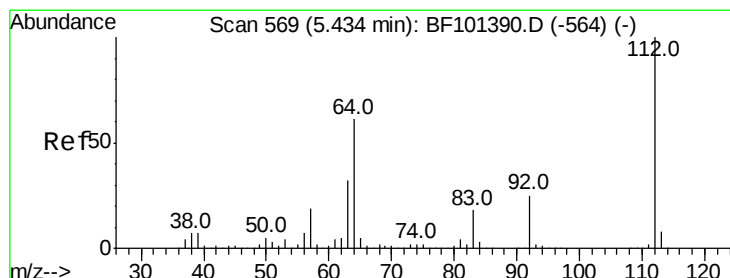
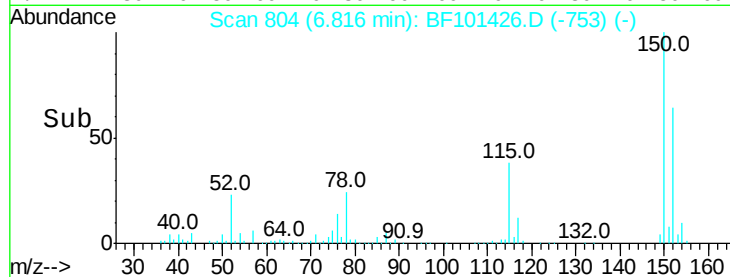
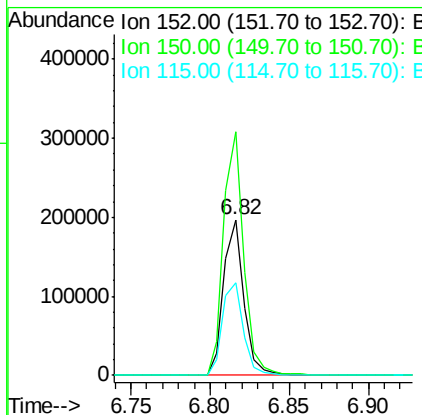
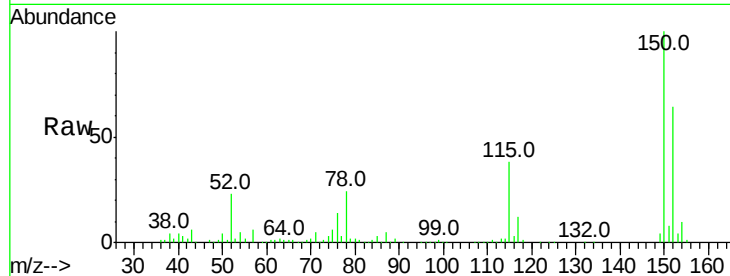
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	59.2	50.1	75.1

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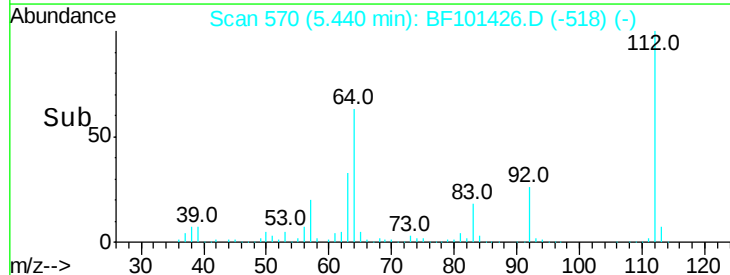
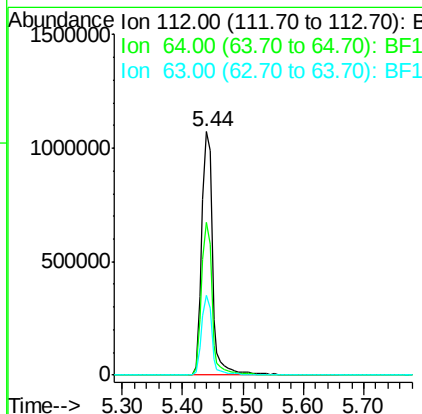
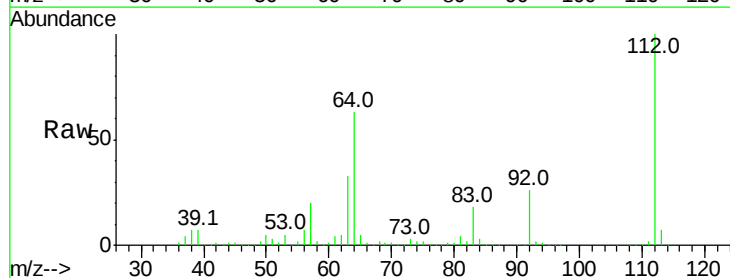
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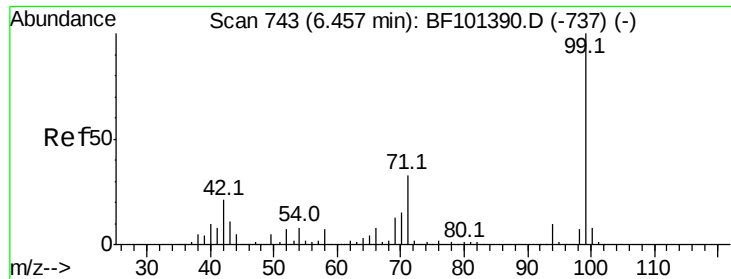


#5

2-Fluorophenol
Concen: 116.871 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 114.170 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Instrument :

BNA_F

ClientSampleId :

DBWW-2-4-6

Tot Ion: 99 Resp: 1663182

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

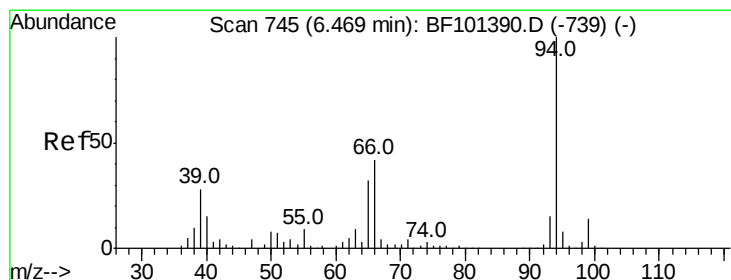
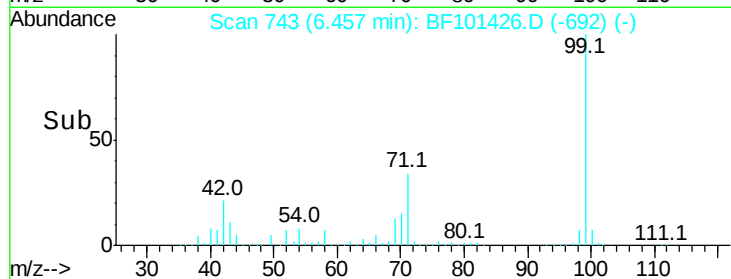
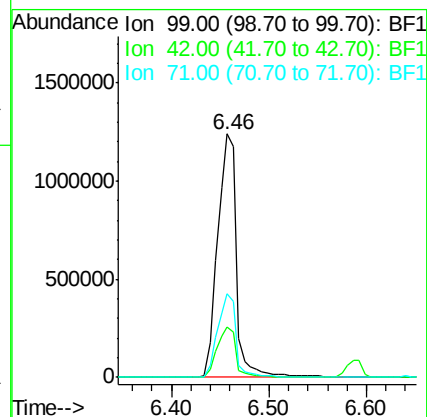
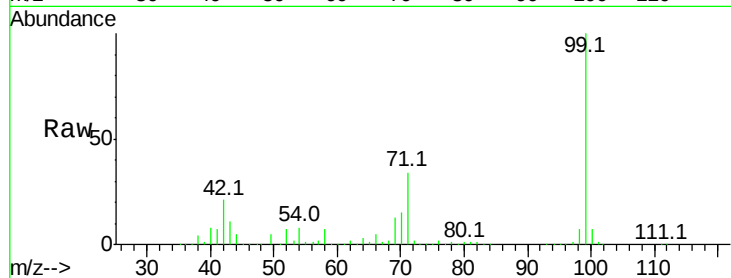
71 34.2 25.4 38.0

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#10

Phenol

Concen: 4.466 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

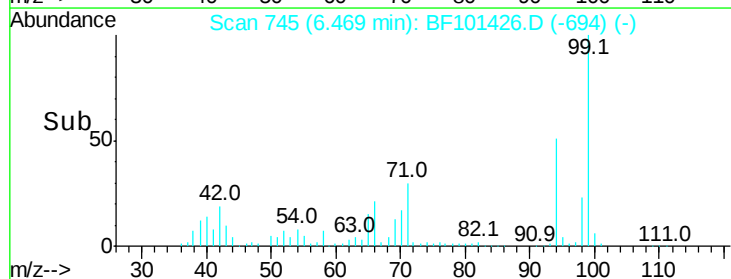
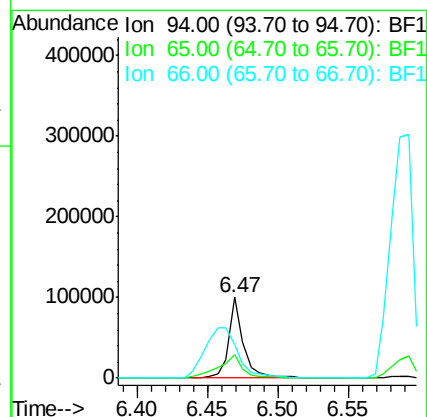
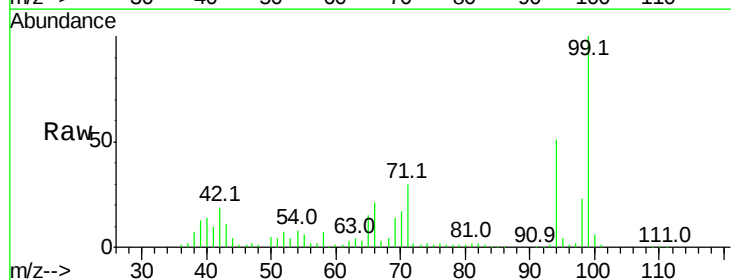
Tgt Ion: 94 Resp: 74156

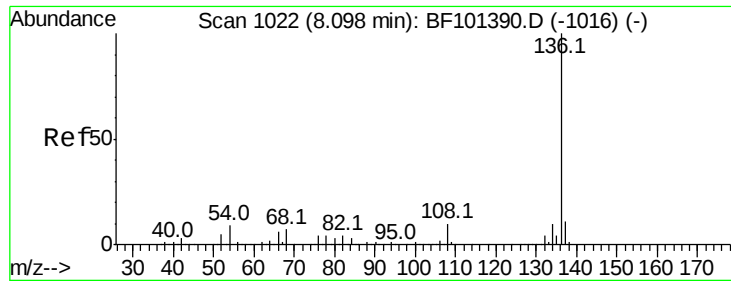
Ion Ratio Lower Upper

94 100

65 29.2 7.9 47.9

66 42.0 16.2 56.2





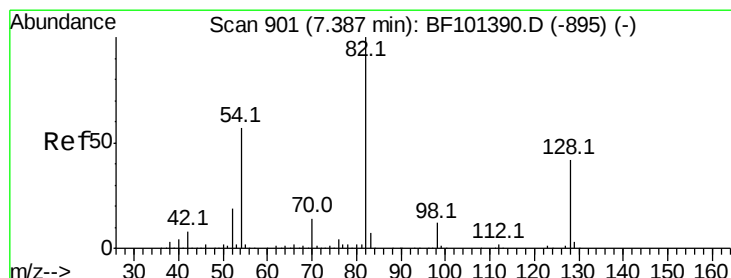
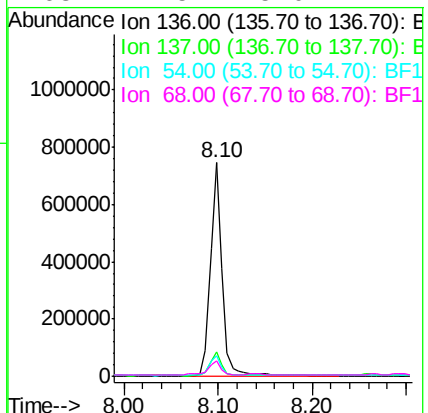
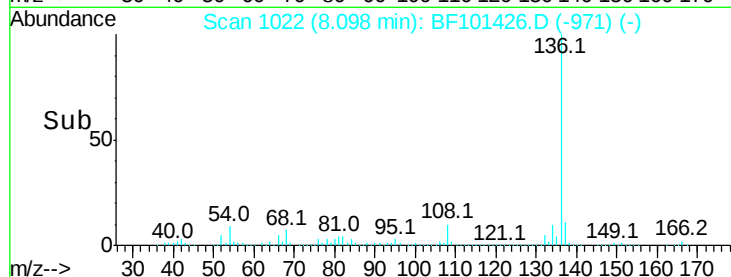
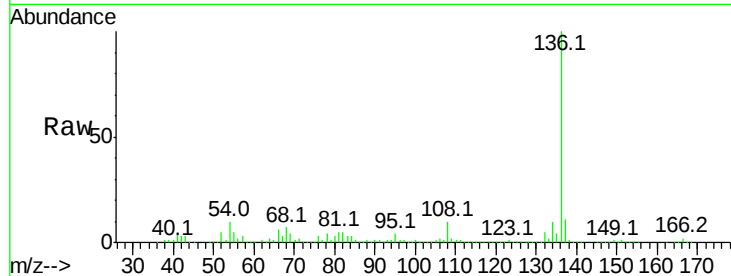
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	6.6	9.8
68	7.5	5.0	7.4#

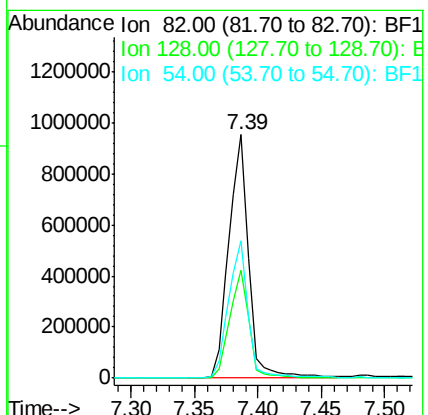
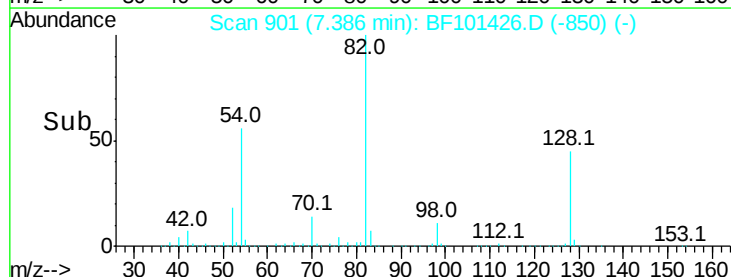
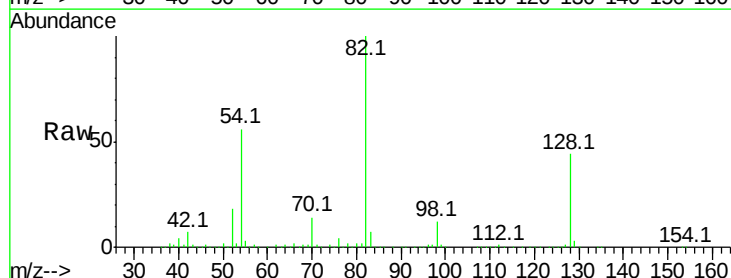
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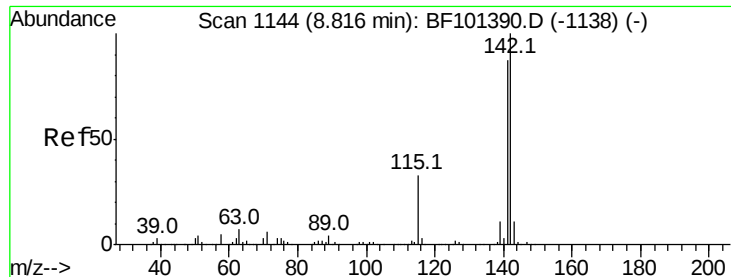
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#23
Nitrobenzene-d5
Concen: 86.246 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.5	36.1	54.1
54	56.4	41.4	62.2





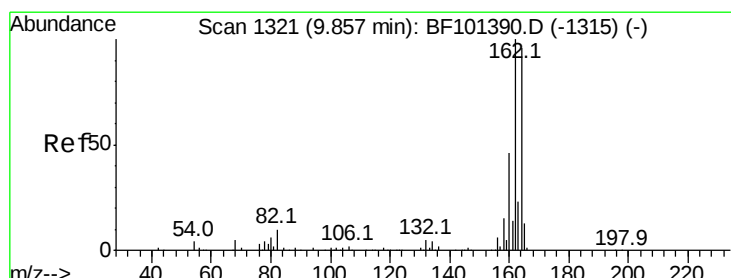
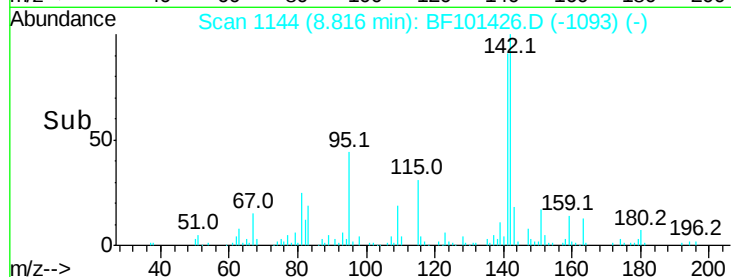
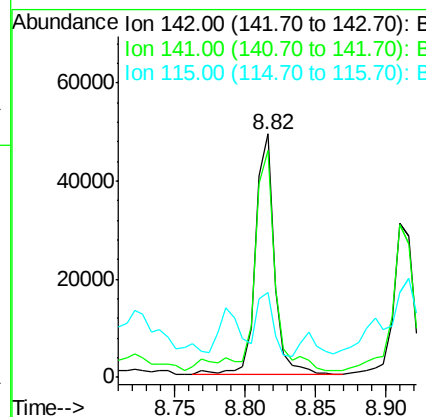
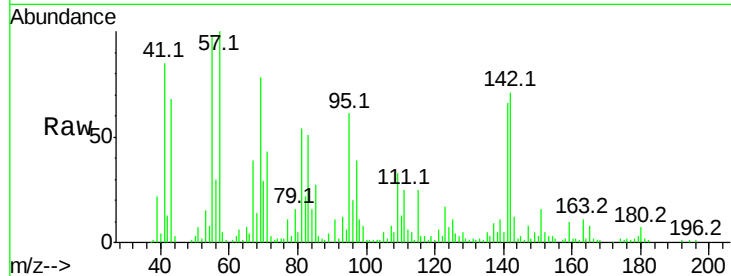
#37
2-Methylnaphthalene
Concen: 2.113 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Resp	Lower	Upper
142	100	45683		
141	93.3	70.8	106.2	
115	34.9	26.1	39.1	

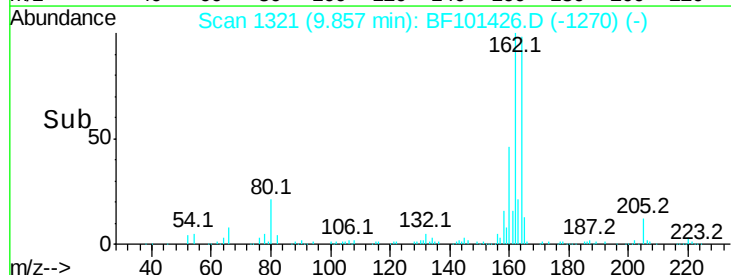
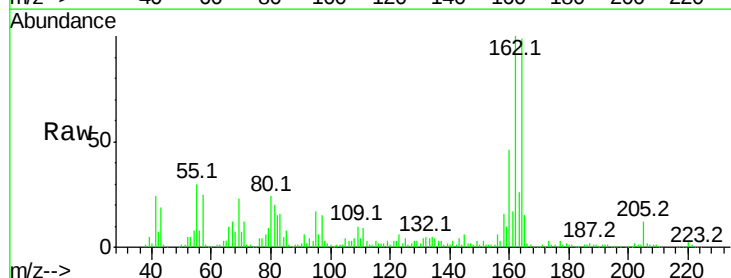
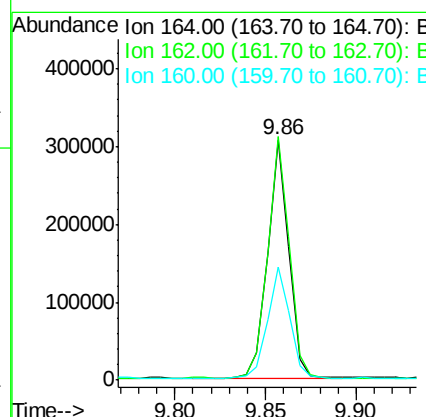
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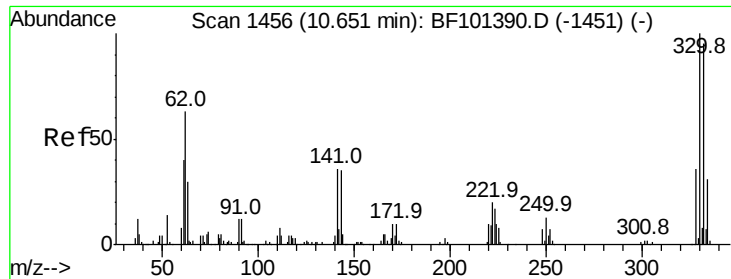
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	251659		
162	101.3	86.1	129.1	
160	47.1	38.3	57.5	





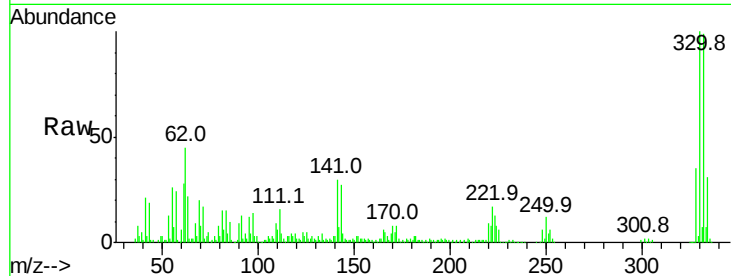
#41
 2,4,6-Tribromophenol
 Concen: 123.399 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101426.D
 Acq: 15 Dec 2017 6:31

Instrument :
 BNA_F
 ClientSampleId :
 DBWW-2-4-6

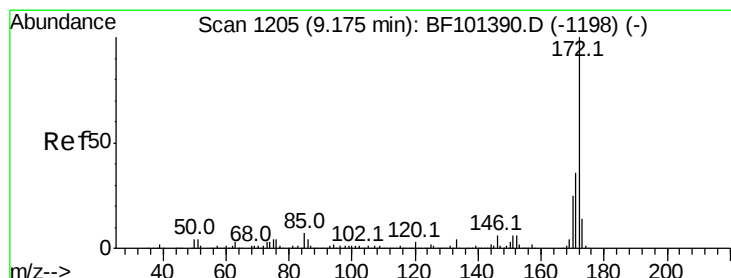
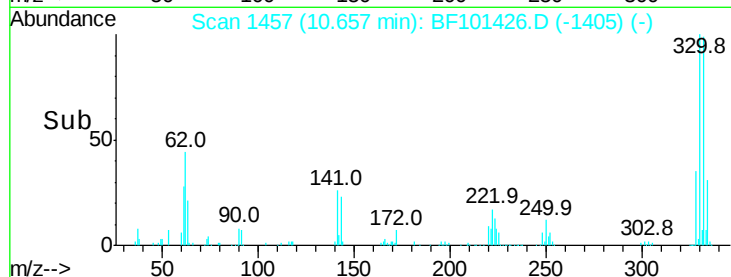
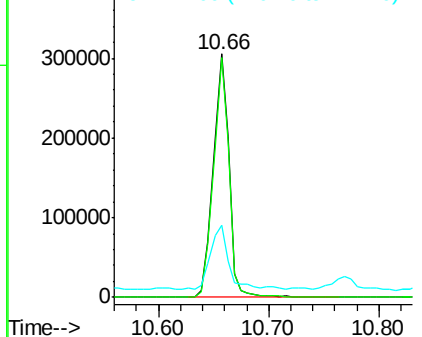
Tot Ion	Ratio	Resp	Lower	Upper
330	100	299234		
332	96.8	77.0	115.6	
141	28.7	29.9	44.9#	

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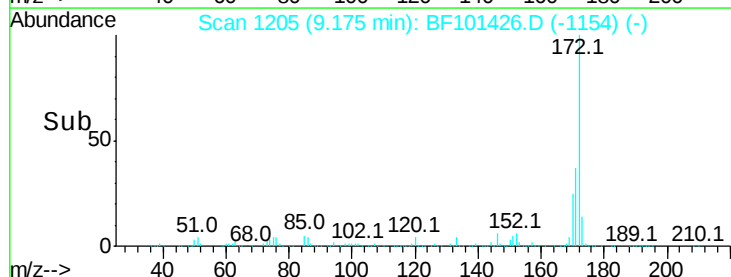
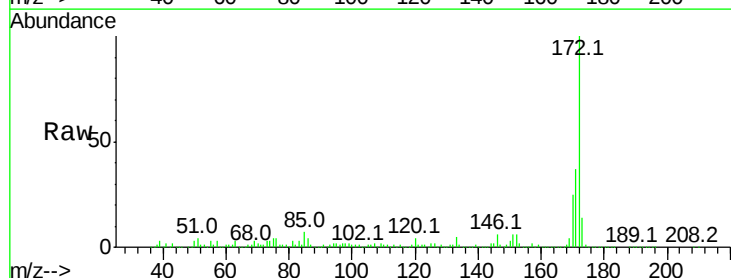
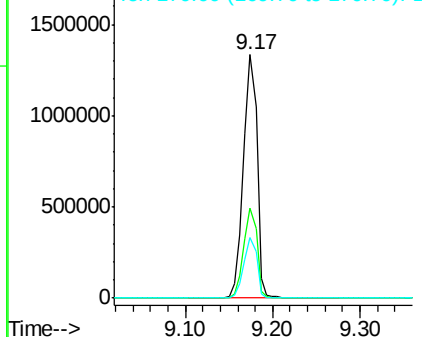
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

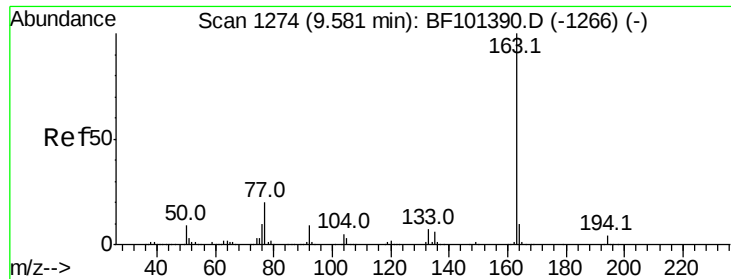


#44
 2-Fluorobiphenyl
 Concen: 84.872 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101426.D
 Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1376888		
171	36.9	29.7	44.5	
170	25.1	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





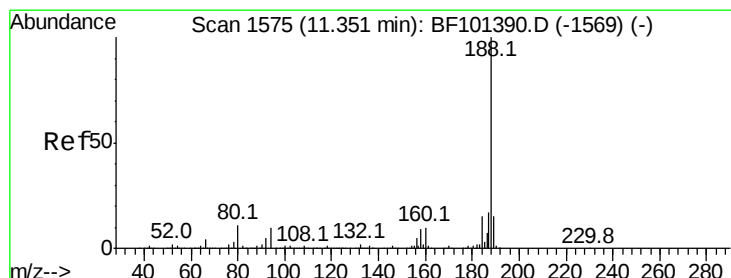
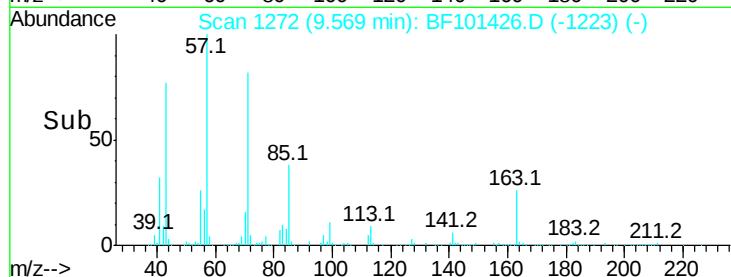
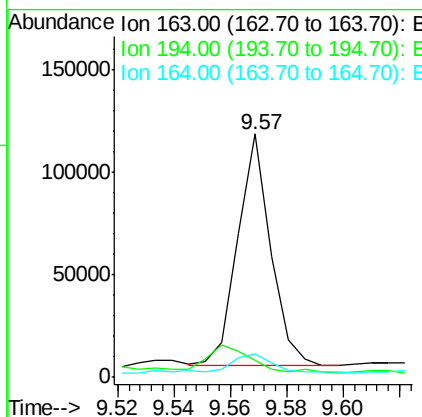
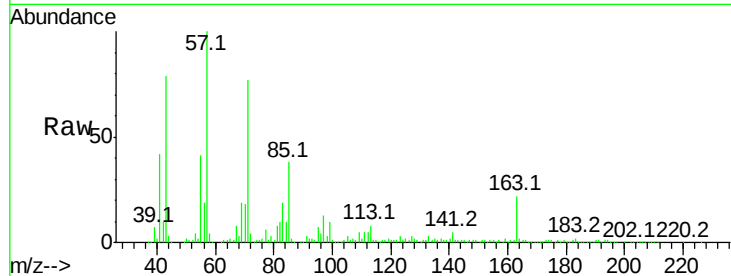
#49
Dimethylphthalate
Concen: 4.525 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	6.8	2.7	4.1#	
164	9.7	8.2	12.2	

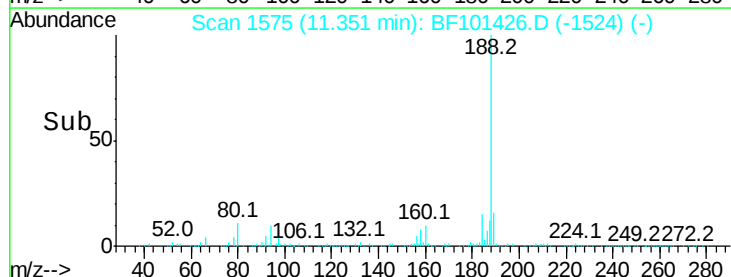
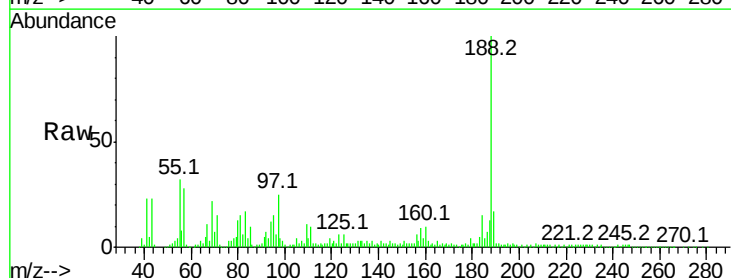
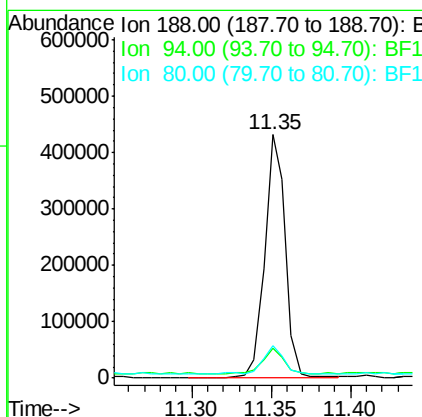
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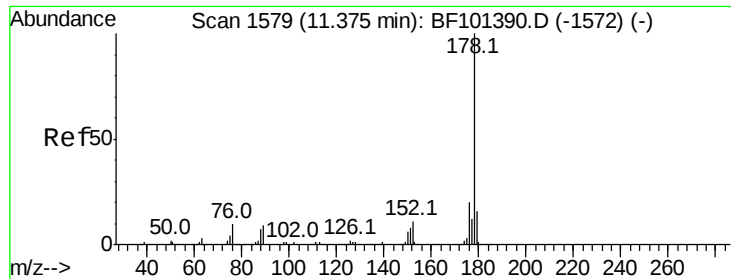
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.2	8.5	12.7	
80	13.1	9.2	13.8	





#70

Phenanthrene

Concen: 10.438 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Instrument :

BNA_F

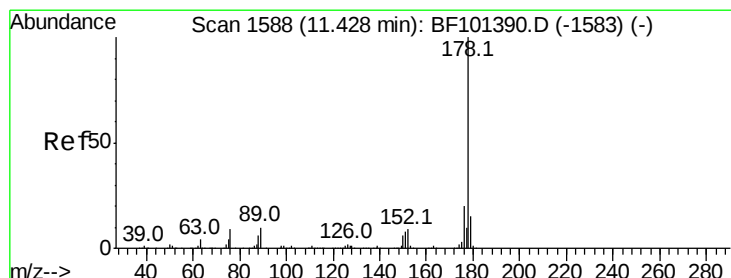
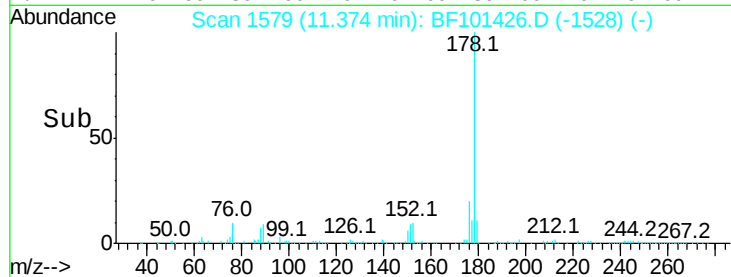
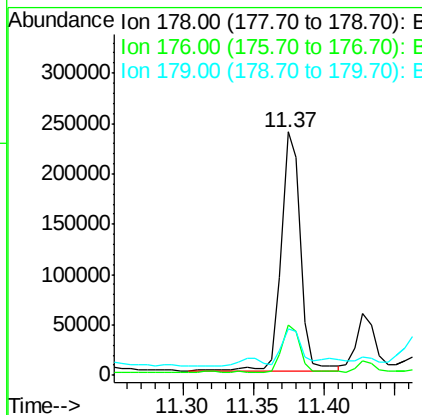
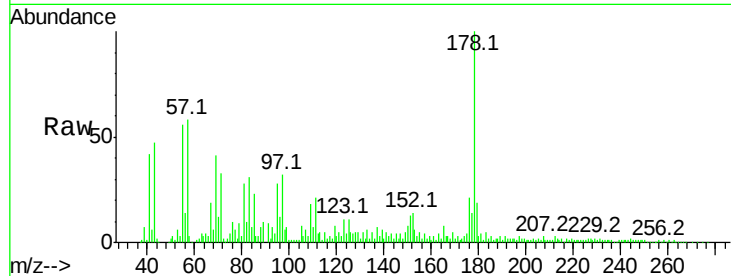
ClientSampleId :

DBWW-2-4-6

Tot Ion:	178	Resp:	224330
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.8	23.8
179	18.9	13.0	19.6

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#71

Anthracene

Concen: 2.489 ng m

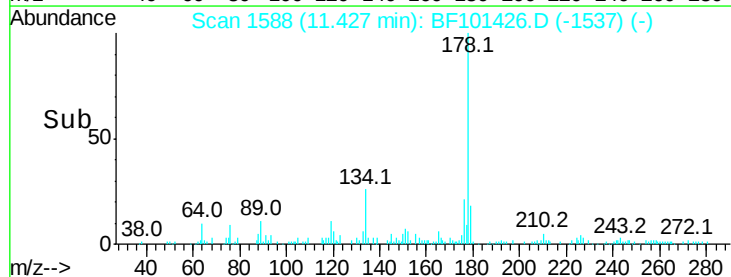
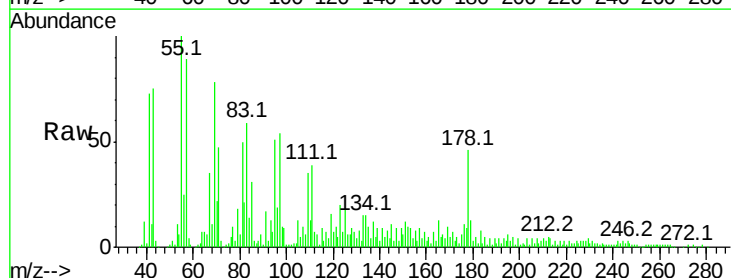
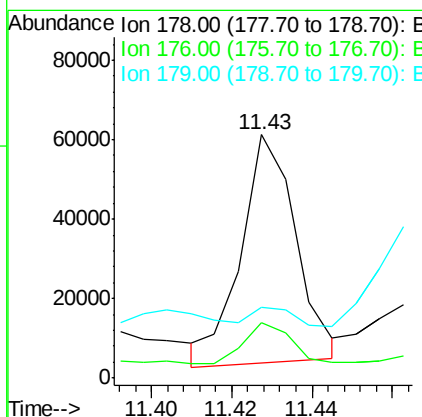
RT: 11.43 min Scan# 1588

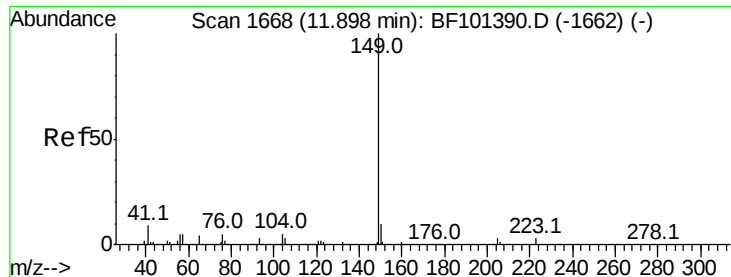
Delta R.T. -0.00 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Tgt Ion:	178	Resp:	54632
Ion Ratio	Lower	Upper	
178	100		
176	22.9	15.4	23.2
179	29.1	12.6	19.0#





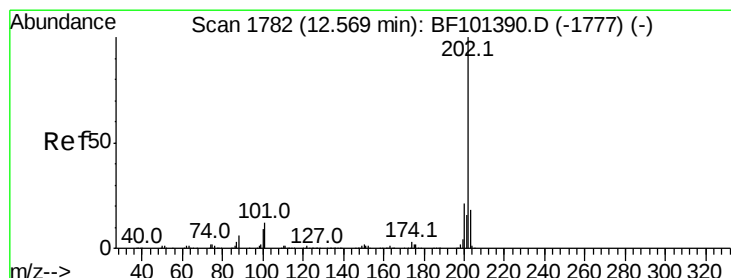
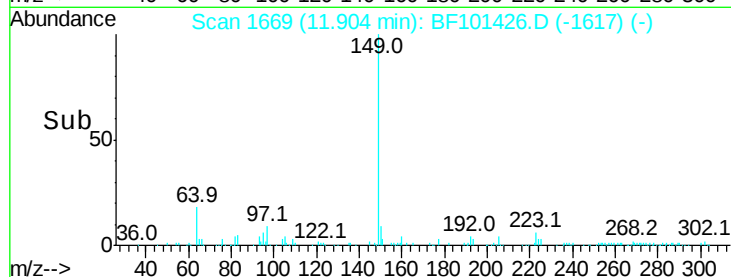
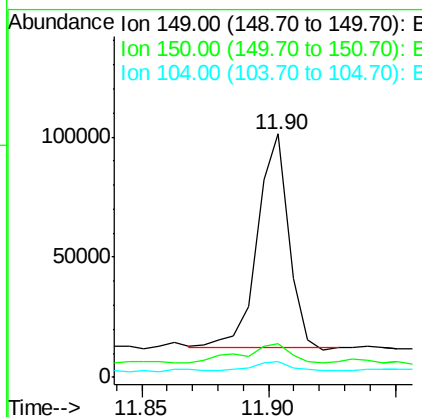
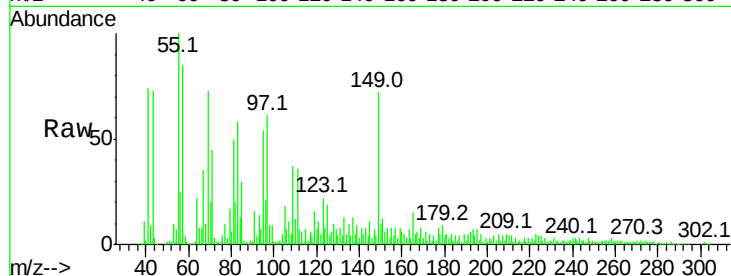
#73
Di-n-butylphthalate
Concen: 3.047 ng
RT: 11.90 min Scan# 1669
Delta R.T. 0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	13.7	7.8	11.6#
104	6.7	3.8	5.8#

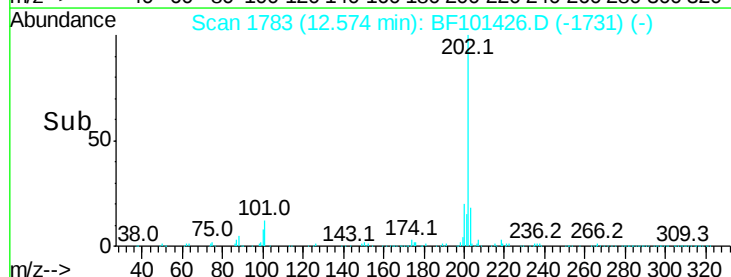
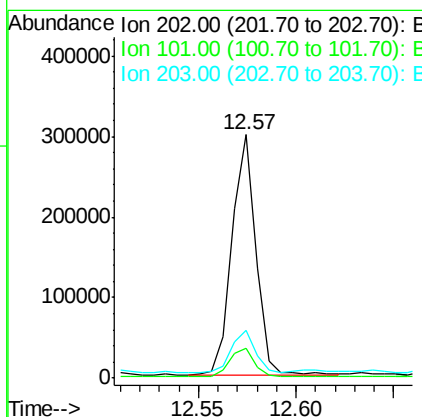
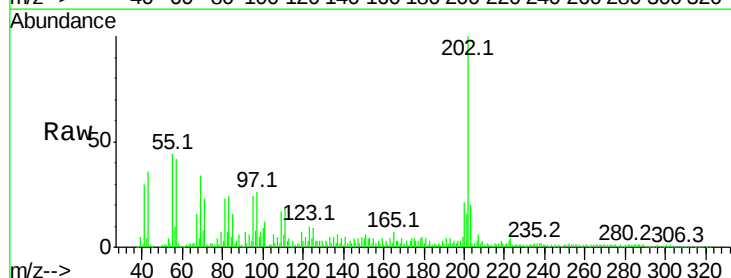
Manual Integrations
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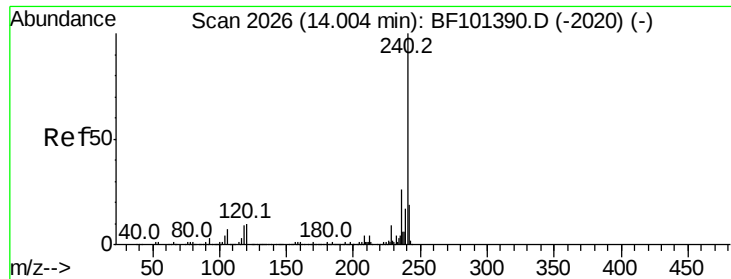
Sohil
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#74
Fluoranthene
Concen: 11.318 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	34.1
203	19.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Instrument :

BNA_F

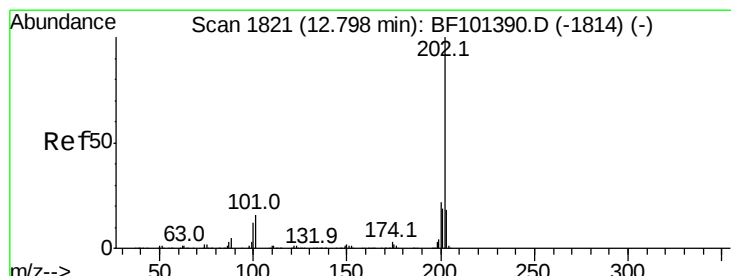
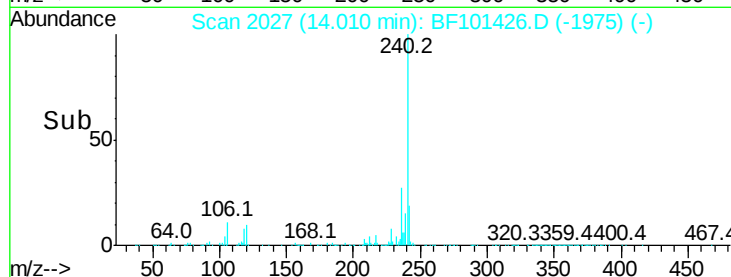
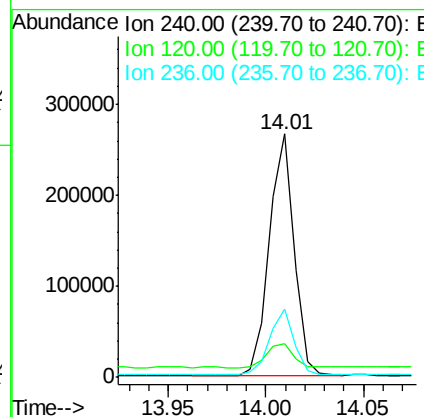
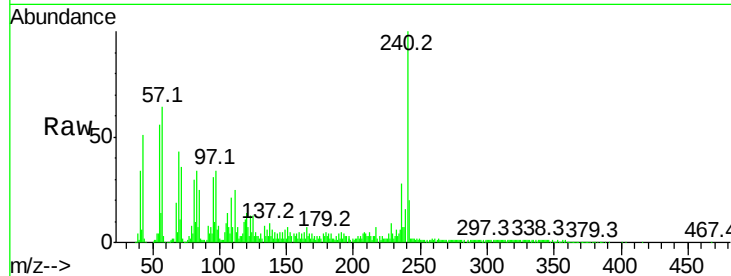
ClientSampleId :

DBWW-2-4-6

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	14.0	9.5	14.3
236	28.1	20.7	31.1

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#77

Pyrene

Concen: 13.155 ng

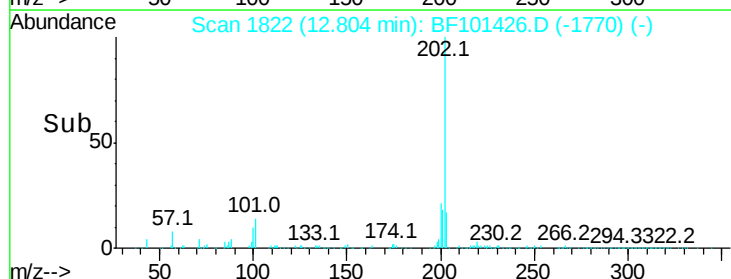
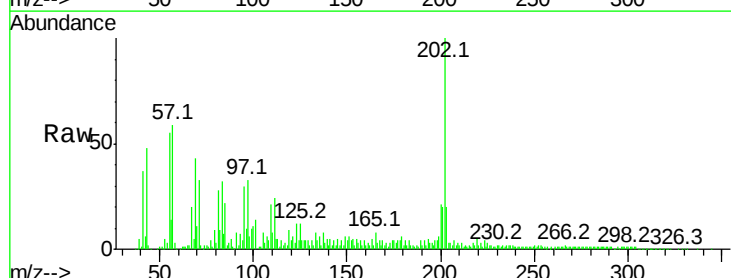
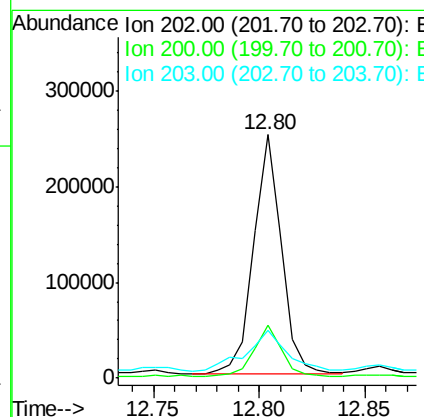
RT: 12.80 min Scan# 1822

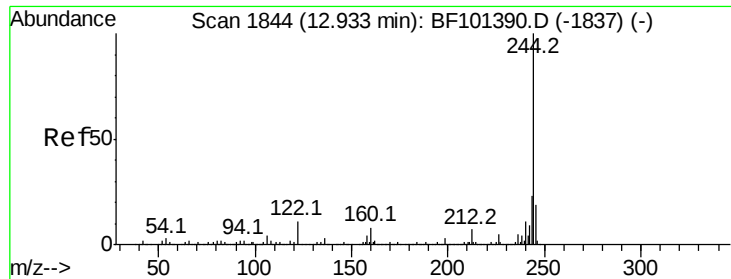
Delta R.T. 0.01 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	19.8	14.3	21.5





#78

Terphenyl-d14

Concen: 94.410 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Instrument :

BNA_F

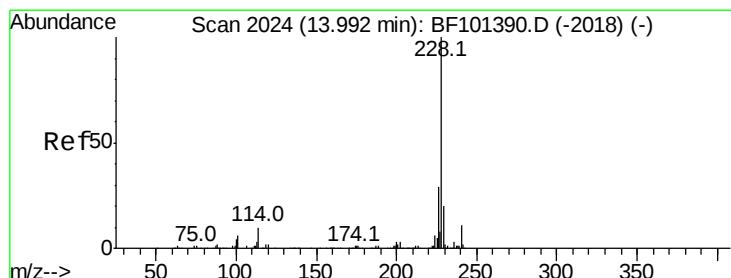
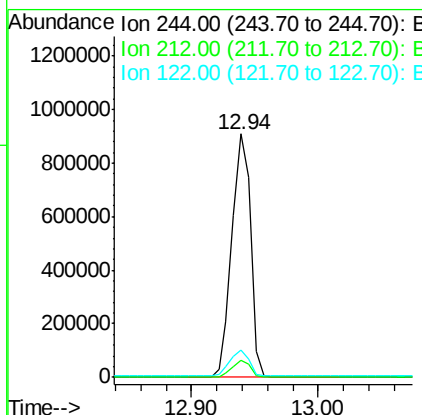
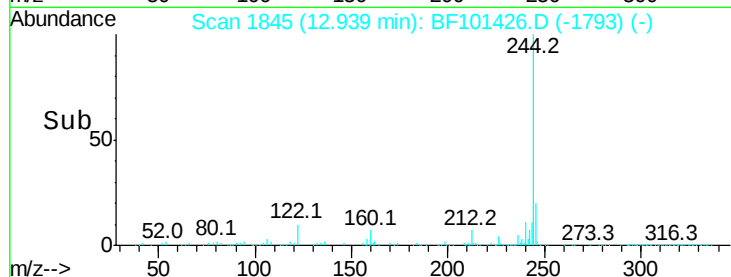
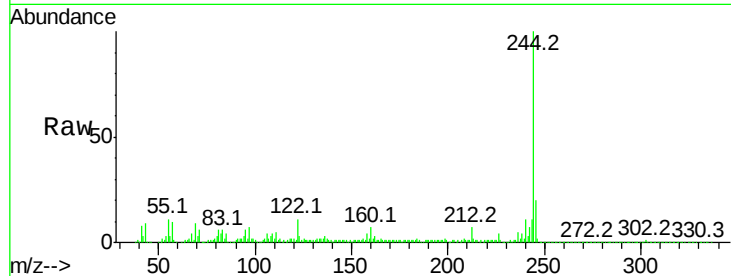
ClientSampleId :

DBWW-2-4-6

Tot Ion:	244	Resp:	919799
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	11.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.019 ng

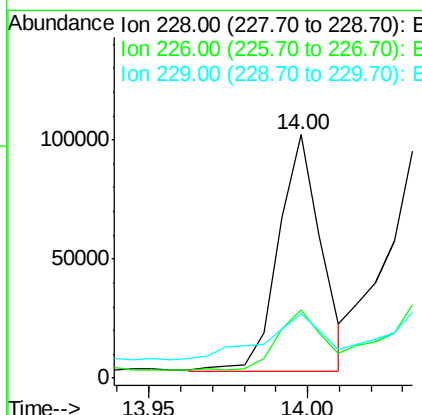
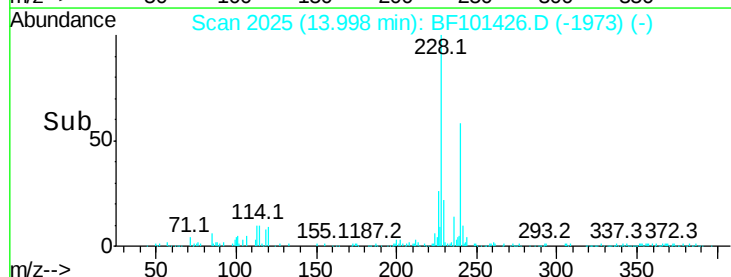
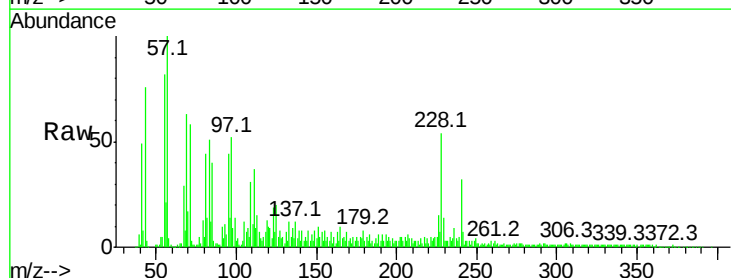
RT: 14.00 min Scan# 2025

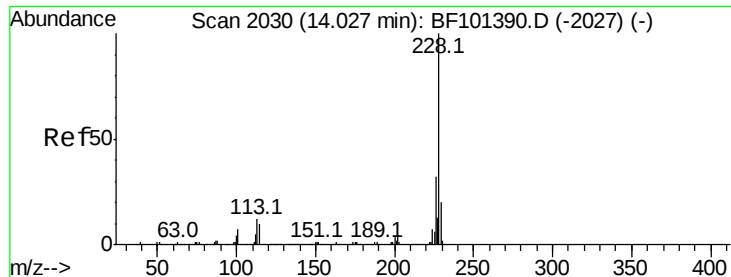
Delta R.T. 0.01 min

Lab File: BF101426.D

Acq: 15 Dec 2017 6:31

Tgt Ion:	228	Resp:	93356
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	26.5	15.8	23.6#





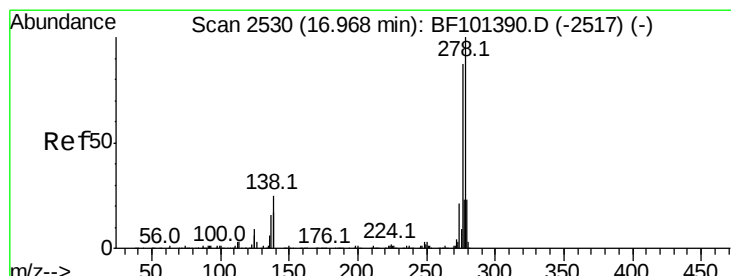
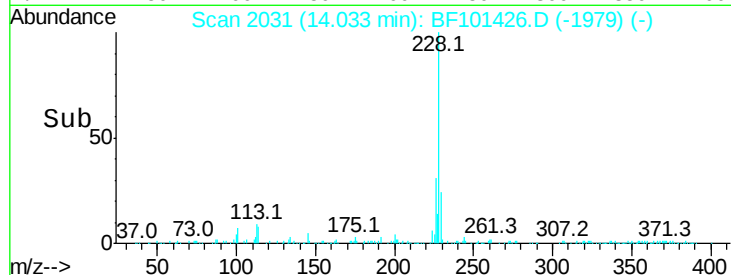
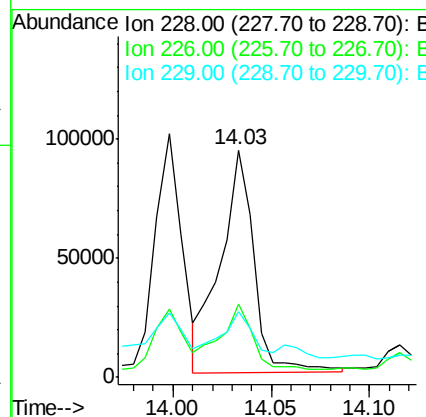
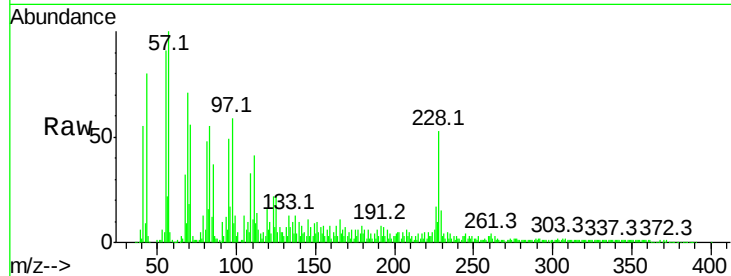
#82
Chrysene
Concen: 7.741 ng m
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampled :
DBWW-2-4-6

Tot Ion	Ratio	Resp	Lower	Upper
228	100	113357		
226	32.3	25.0	37.6	
229	29.2	16.2	24.4	

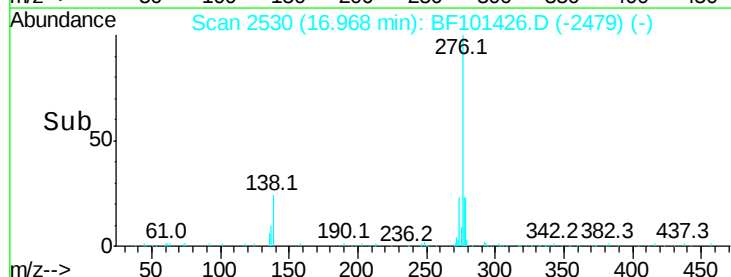
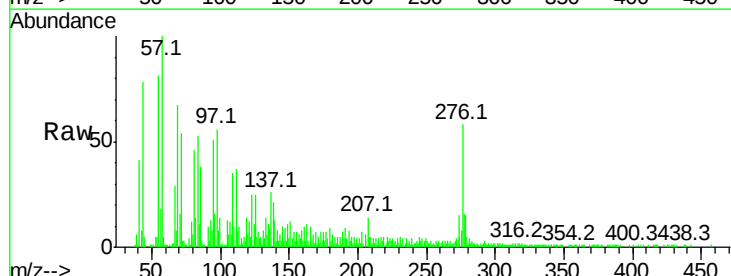
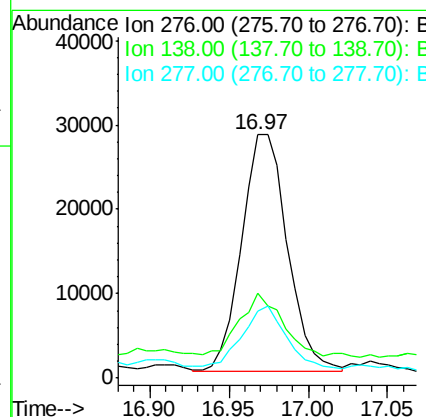
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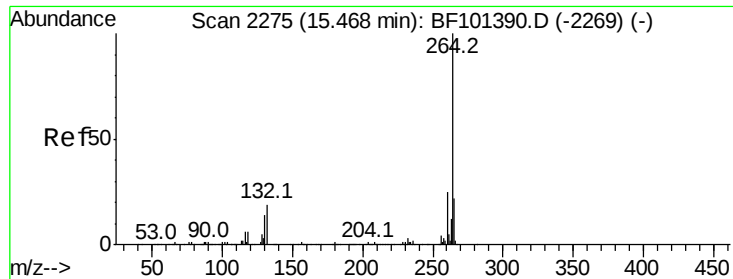
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.310 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.00 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	56198		
138	26.7	25.0	37.6	
277	25.4	20.1	30.1	





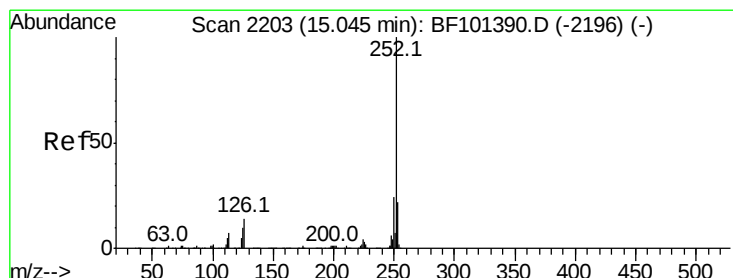
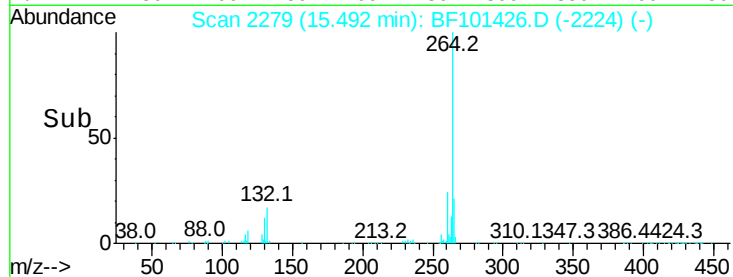
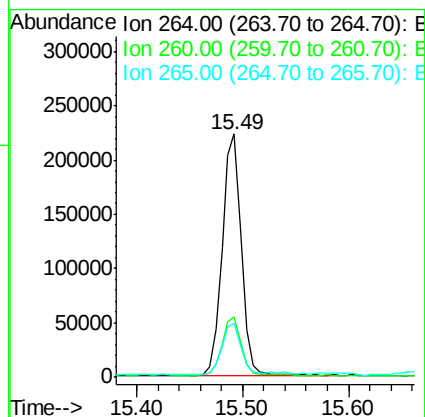
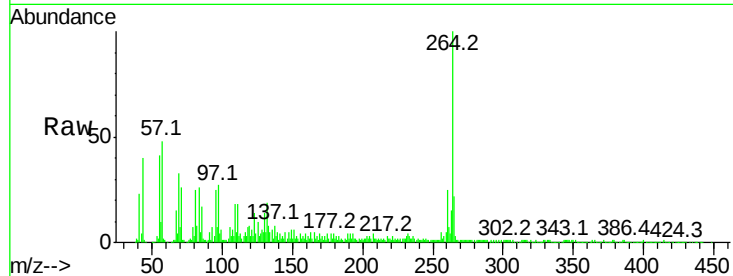
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.9	19.2	28.8	
265	22.0	17.5	26.3	

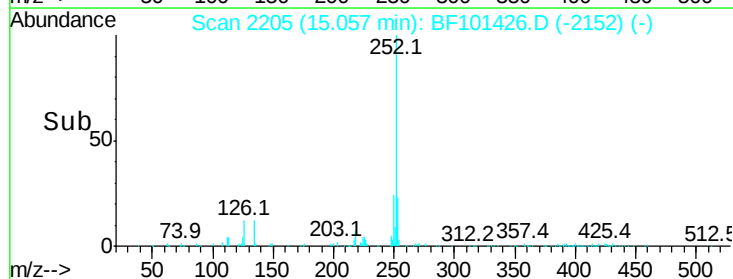
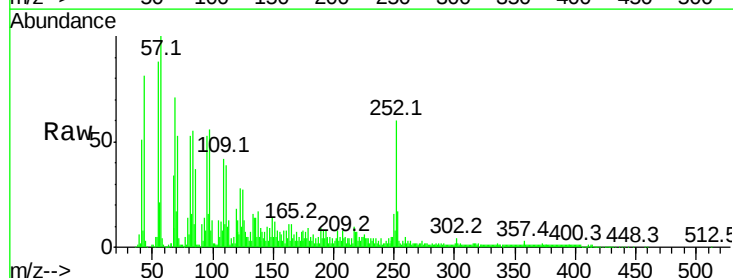
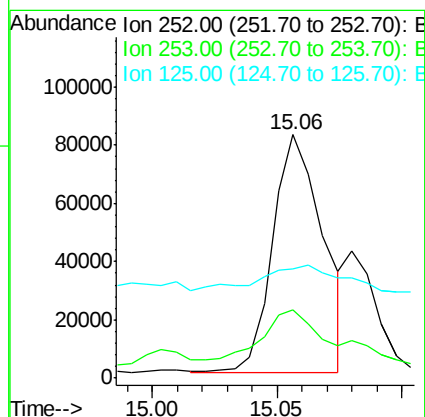
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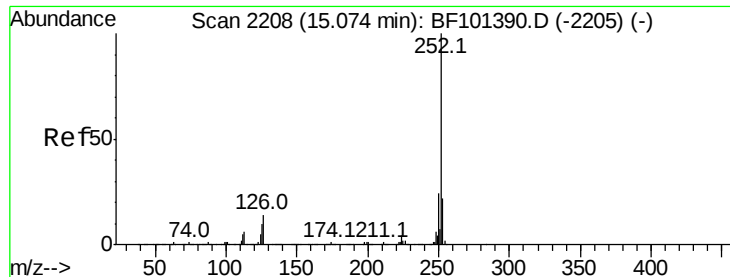
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#87
Benzo(b)fluoranthene
Concen: 6.685 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.8	17.0	25.6#	
125	45.0	9.0	13.6#	





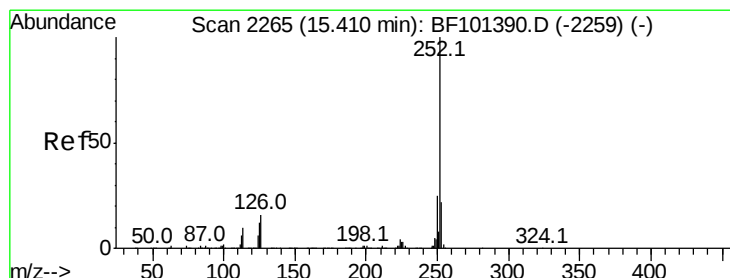
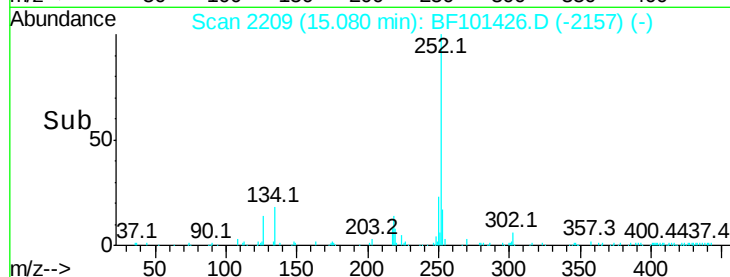
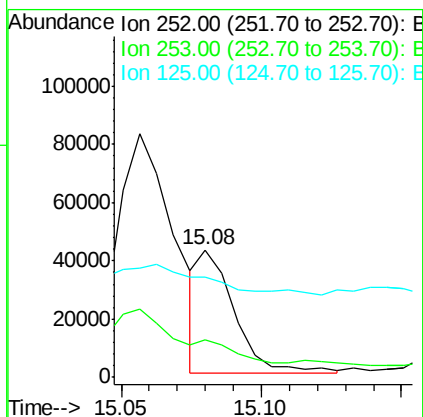
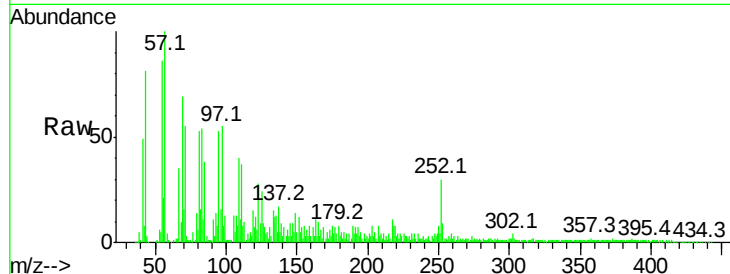
#88
Benzo(k)fluoranthene
Concen: 2.278 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Instrument :
BNA_F
ClientSampleId :
DBWW-2-4-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.9	26.9#
125	78.9	10.2	15.2#

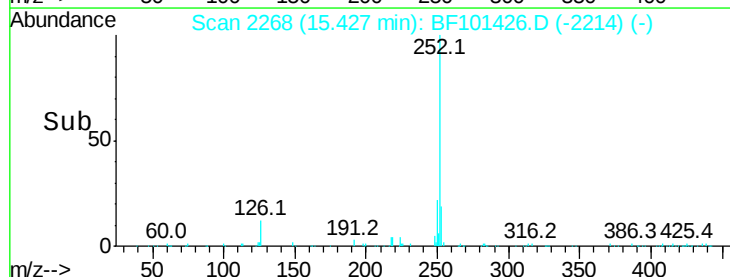
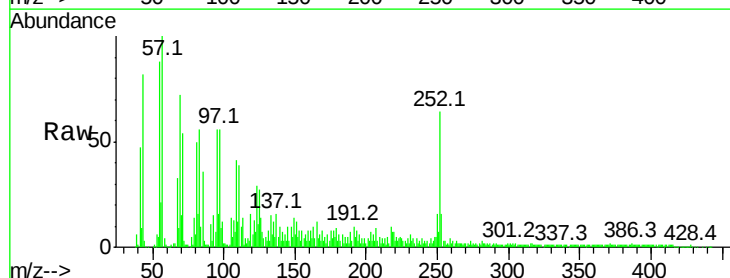
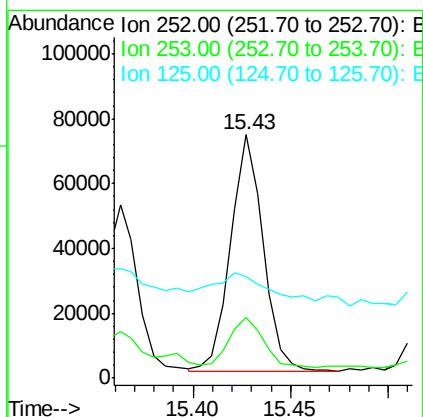
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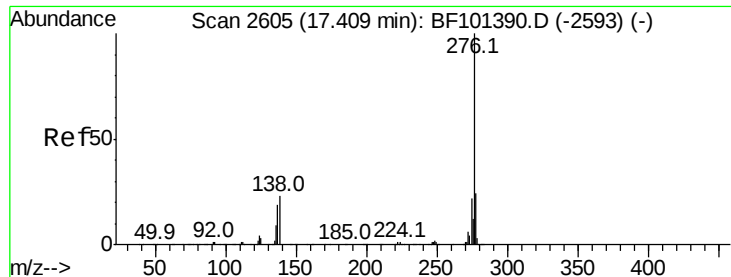
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#89
Benzo(a)pyrene
Concen: 5.309 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101426.D
Acq: 15 Dec 2017 6:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	41.6	9.8	14.6#





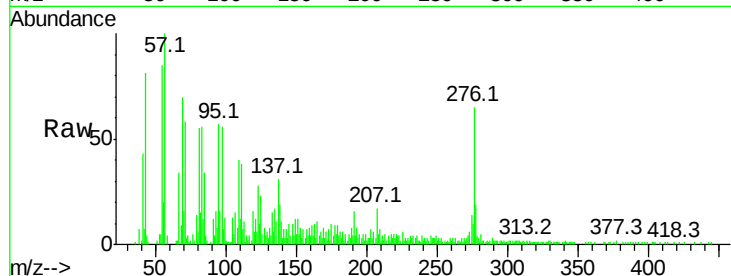
#91
 Benzo(a,h,i)perylene
 Concen: 3.850 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF101426.D
 Acq: 15 Dec 2017 6:31

Instrument :
 BNA_F
 ClientSampleId :
 DBWW-2-4-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9#
138	30.0	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

