

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101669.D
 Acq On : 22 Dec 2017 22:23
 Operator : SJ/JU
 Sample : I6966-01DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Manual Integrations
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 12/26/2017 1:37:33 PM

Quant Time: Dec 23 00:33:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	145547	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	547874	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	217503	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	351045	20.00	ng	0.00
75) Chrysene-d12	13.97	240	273618	20.00	ng	0.00
86) Perylene-d12	15.44	264	283341	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	102869	10.53	ng	0.01
7) Phenol-d6	6.44	99	136817	11.25	ng	0.00
23) Nitrobenzene-d5	7.36	82	71392	7.25	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	20613	9.84	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	140263	10.00	ng	0.00
78) Terphenyl-d14	12.90	244	102281	9.01	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	72420	2.626	ng	99
51) Acenaphthene	9.86	154	37744	2.695	ng	96
54) Dibenzofuran	10.03	168	36591	2.056	ng	# 95
57) Fluorene	10.37	166	51334	3.409	ng	98
70) Phenanthrene	11.34	178	357819	18.329	ng	99
71) Anthracene	11.39	178	70992	3.560	ng	97
74) Fluoranthene	12.53	202	412860	20.148	ng	99
77) Pyrene	12.77	202	348423	16.967	ng	99
80) Benzo(a)anthracene	13.96	228	135625	7.507	ng	98
82) Chrysene	14.00	228	146150	8.567	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	60560	3.987	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	154775m	8.962	ng	
88) Benzo(k)fluoranthene	15.04	252	57181m	3.405	ng	
89) Benzo(a)pyrene	15.39	252	101944	6.403	ng	# 79
91) Benzo(g,h,i)perylene	17.37	276	58412	4.315	ng	# 94

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

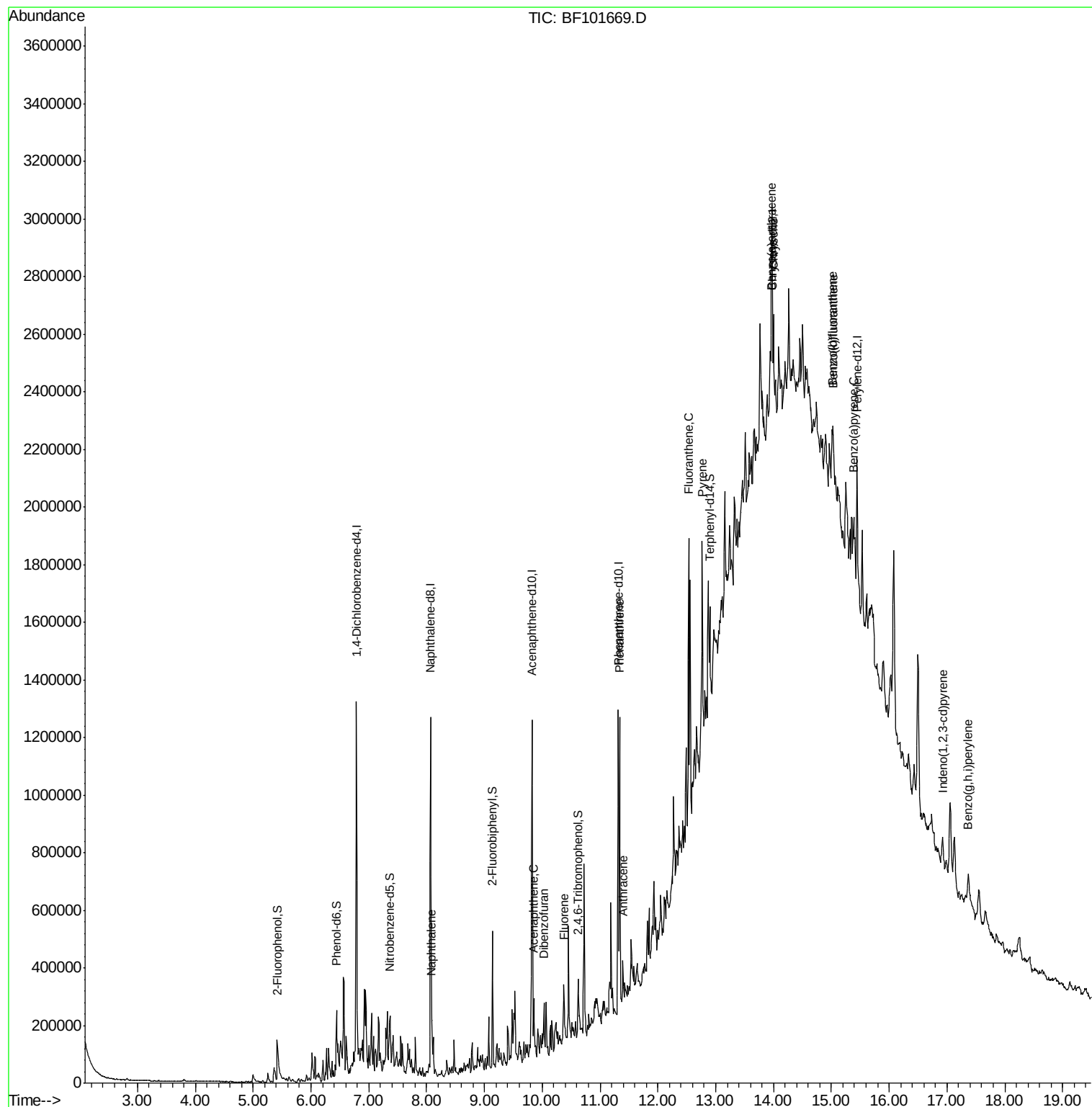
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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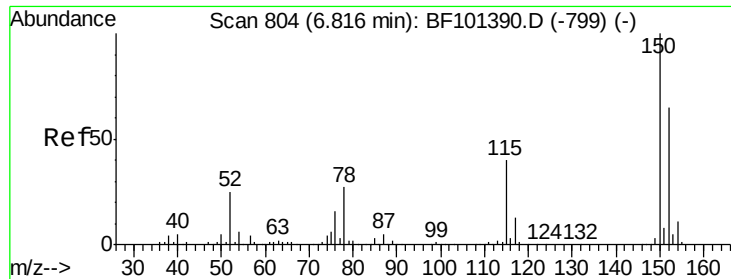
Instrument :
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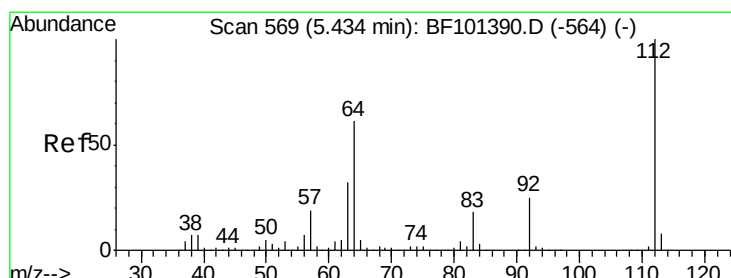
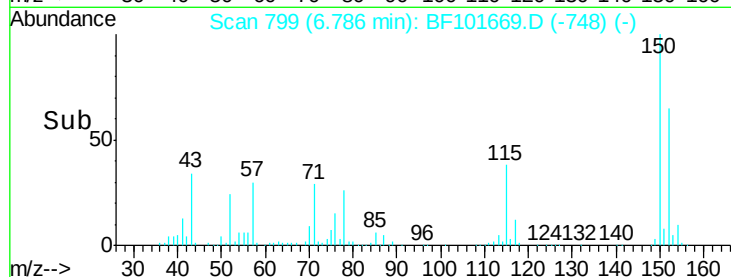
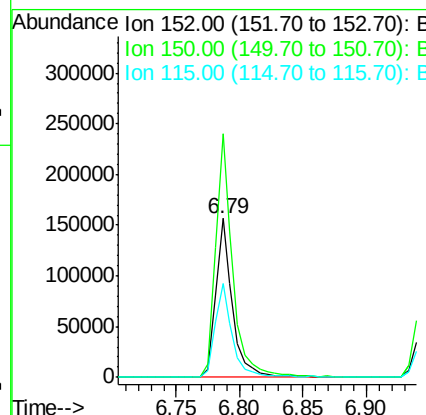
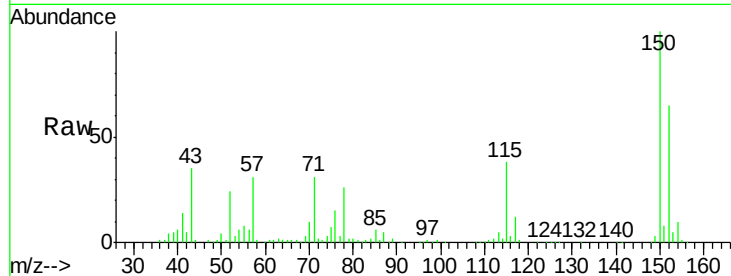
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	58.8	50.1	75.1

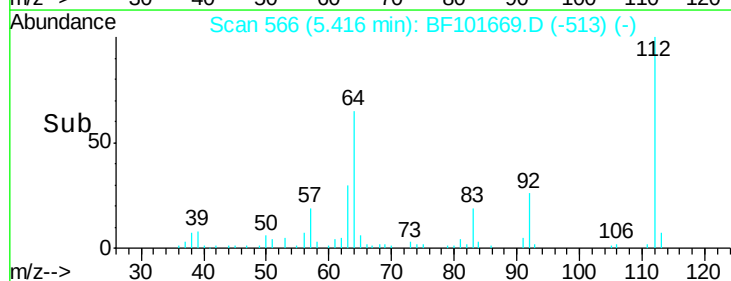
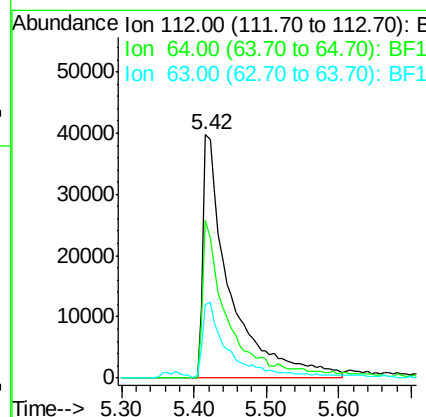
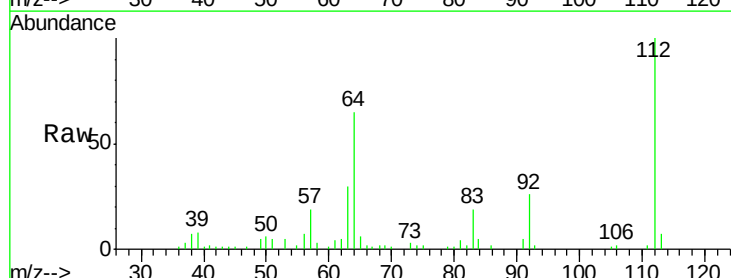
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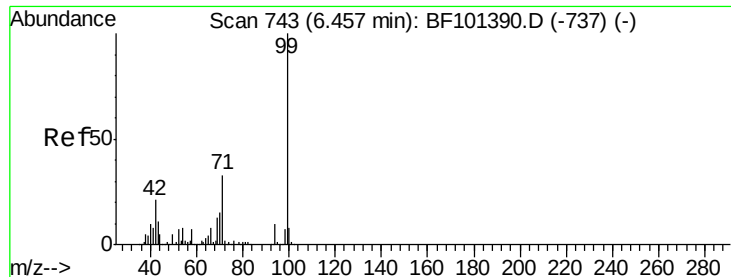
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#5
 2-Fluorophenol
 Concen: 10.528 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 11.251 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

Instrument :

BNA_F

ClientSampleId :

DB-WW-3-0-4DL

Tgt Ion: 99 Resp: 136817
Ion Ratio Lower Upper

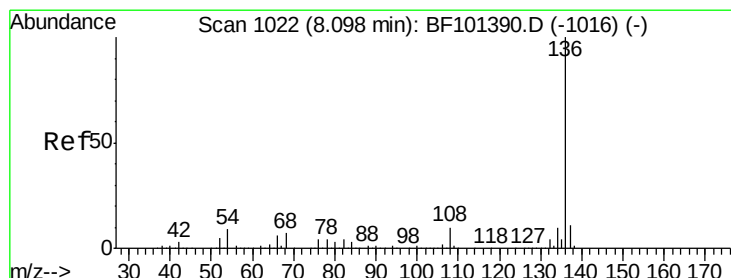
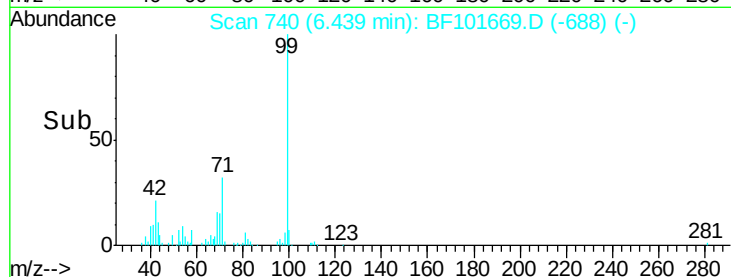
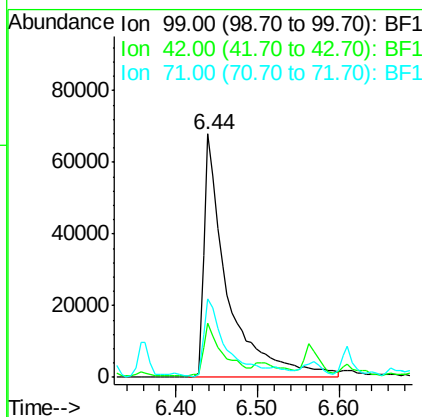
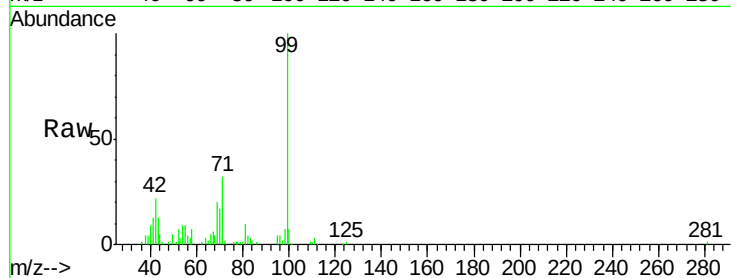
99 100

42 22.3 14.5 21.7#

71 32.3 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

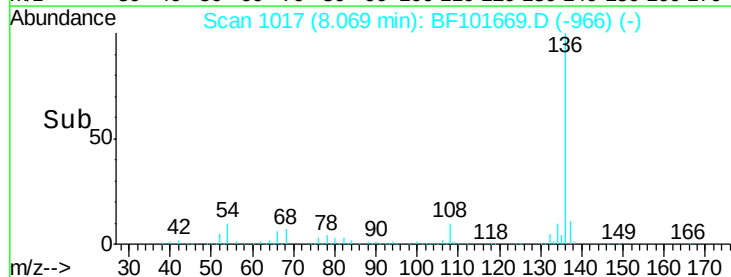
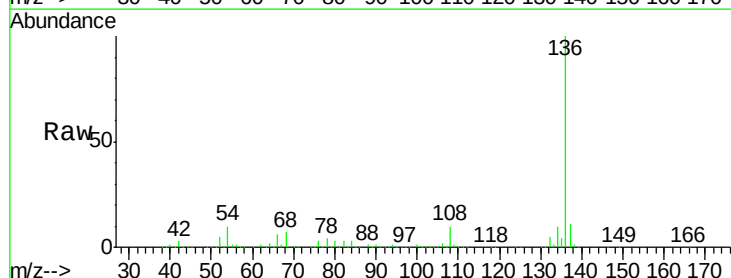
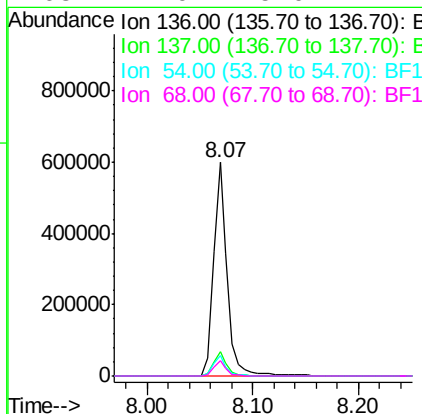
Tgt Ion: 136 Resp: 547874
Ion Ratio Lower Upper

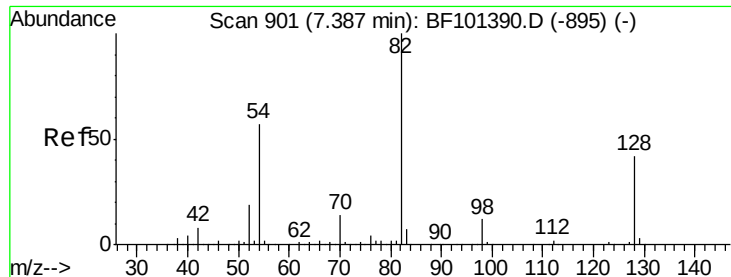
136 100

137 11.5 8.9 13.3

54 9.6 6.6 9.8

68 7.0 5.0 7.4





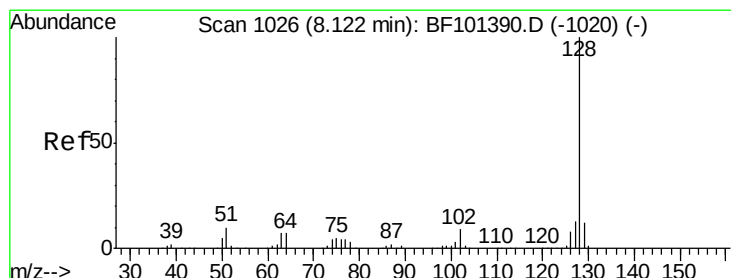
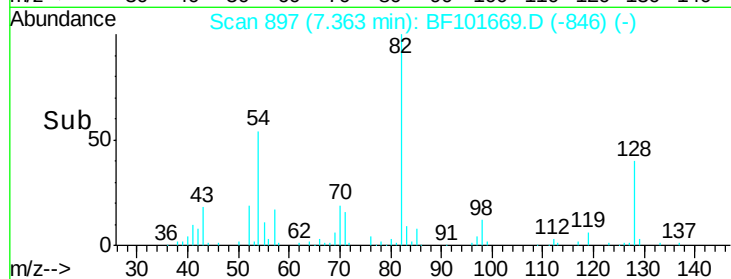
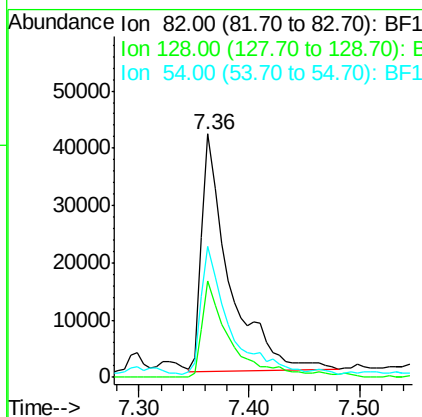
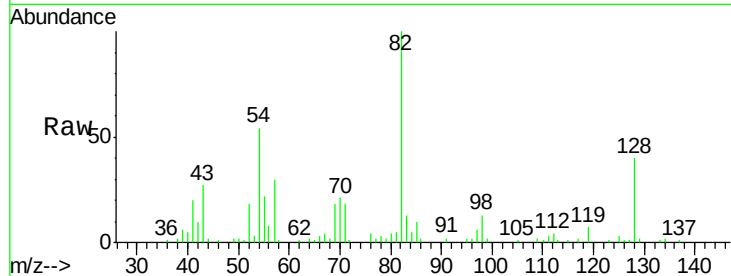
#23
 Nitrobenzene-d5
 Concen: 7.254 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	36.1	54.1
54	54.0	41.4	62.2

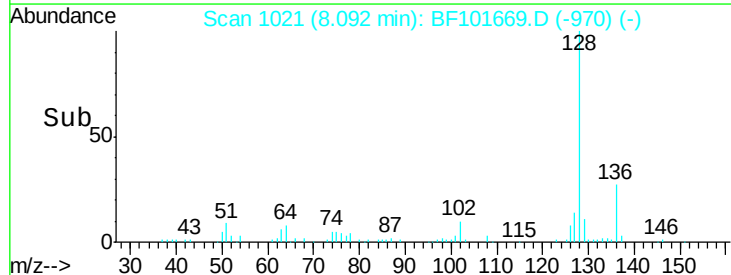
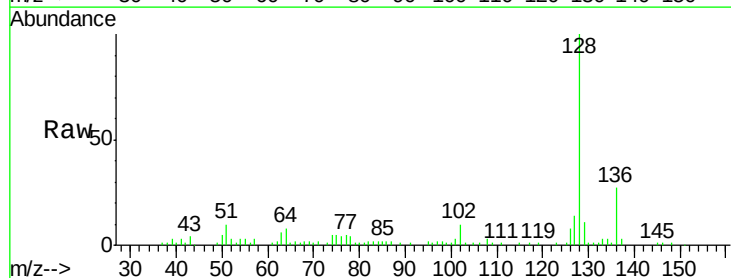
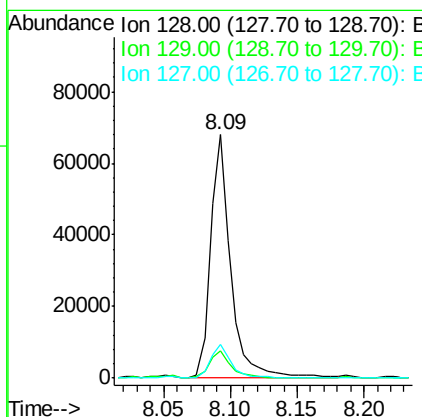
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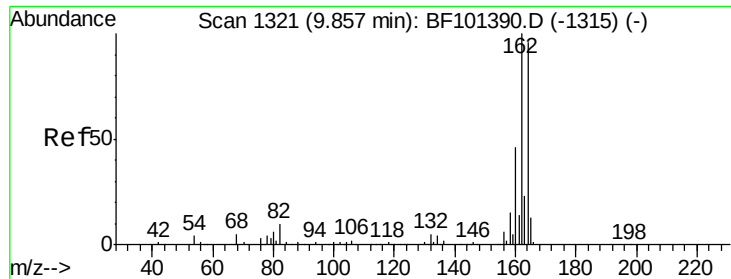
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#31
 Naphthalene
 Concen: 2.626 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	14.0	10.9	16.3





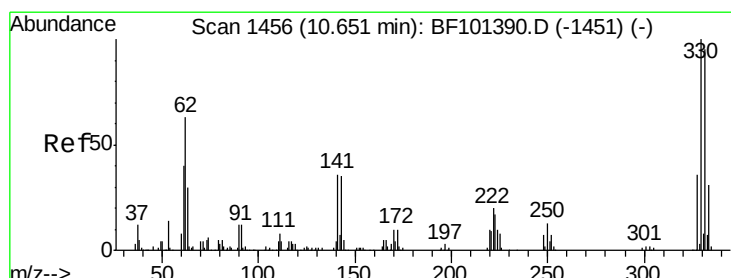
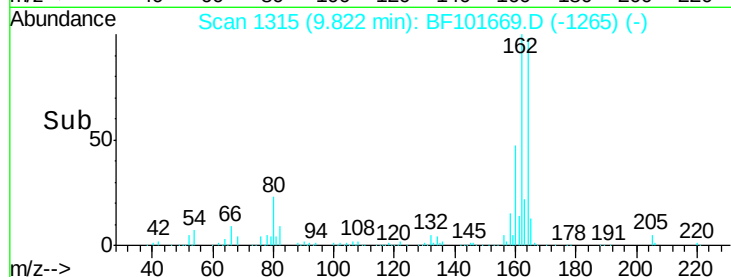
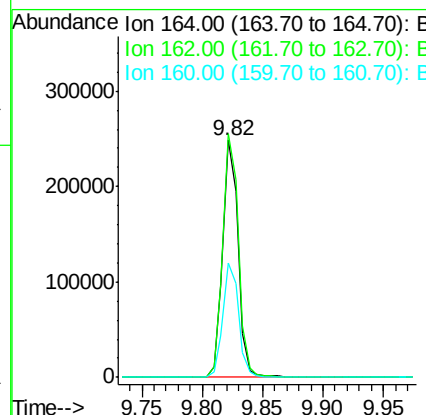
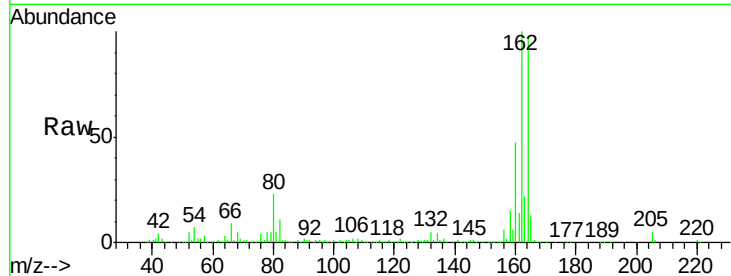
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217503		
162	102.8	86.1	129.1	
160	48.1	38.3	57.5	

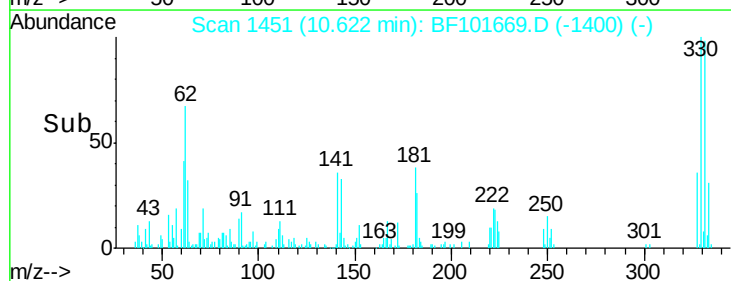
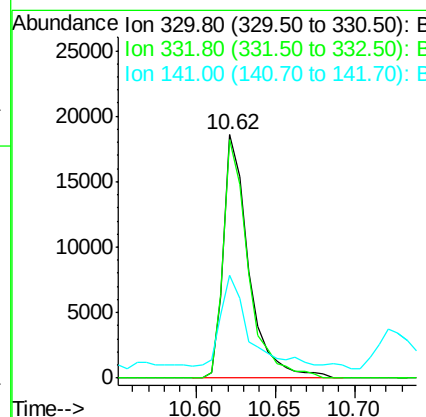
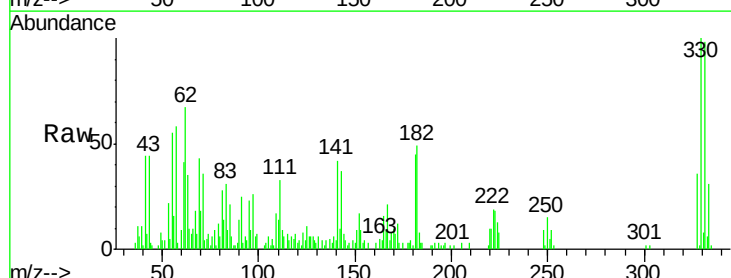
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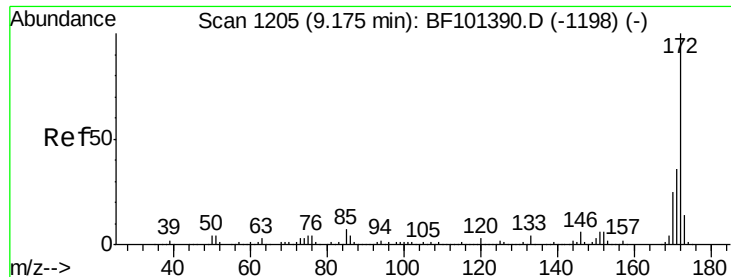
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#41
 2,4,6-Tribromophenol
 Concen: 9.835 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	20613		
332	96.8	77.0	115.6	
141	44.8	29.9	44.9	





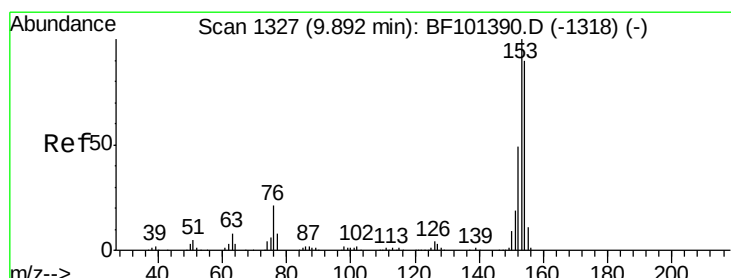
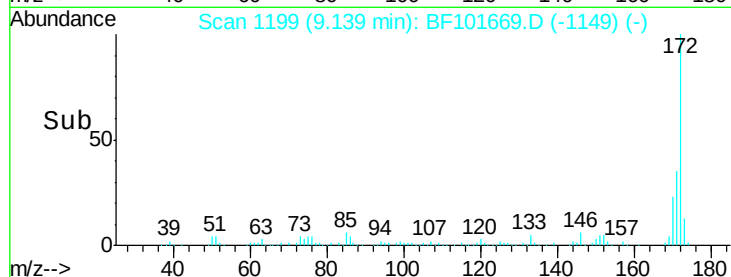
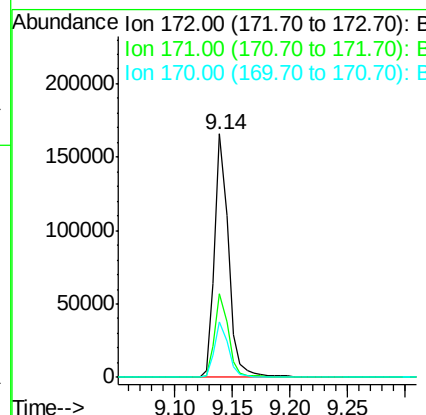
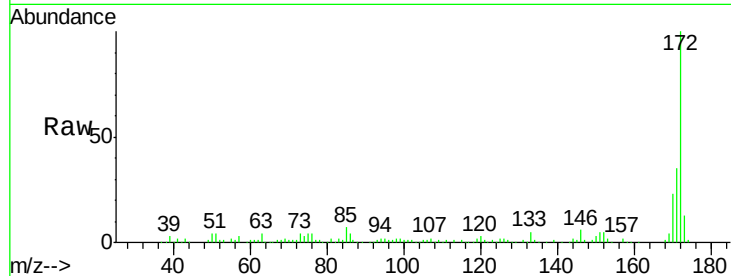
#44
2-Fluorobiphenyl
Concen: 10.004 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Instrument :
BNA_F
ClientSampleId :
DB-WW-3-0-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	140263		
171	34.6	29.7	44.5	
170	22.5	19.6	29.4	

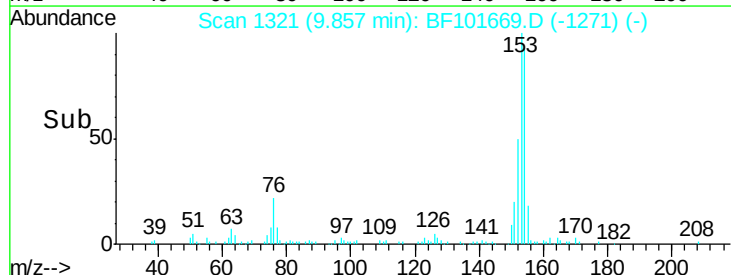
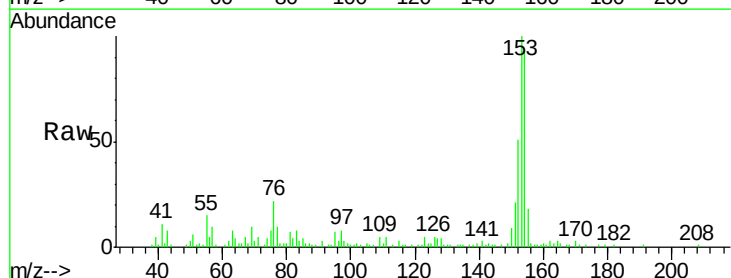
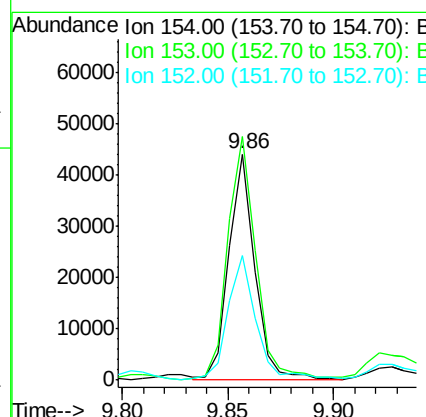
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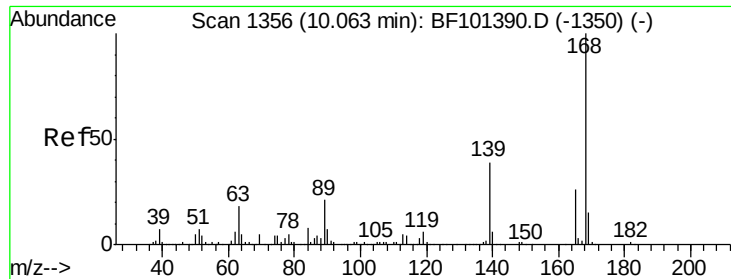
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#51
Acenaphthene
Concen: 2.695 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	37744		
153	107.7	91.2	136.8	
152	54.8	43.8	65.8	





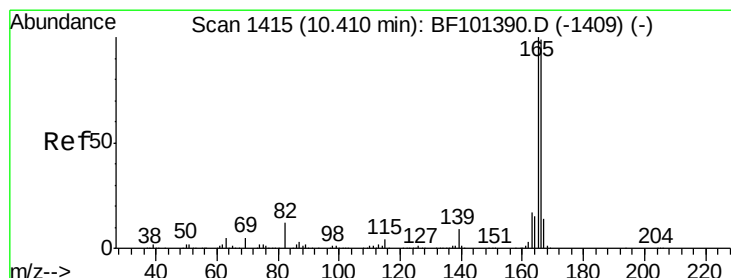
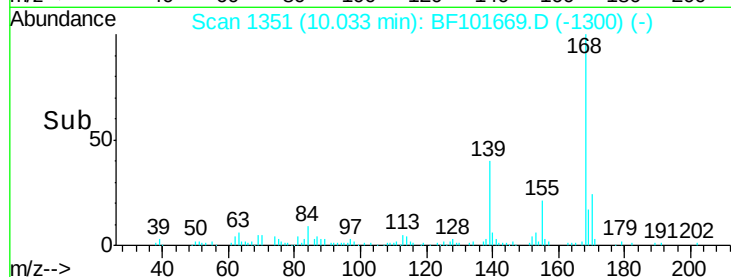
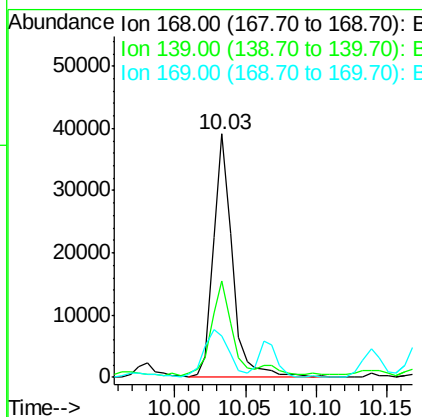
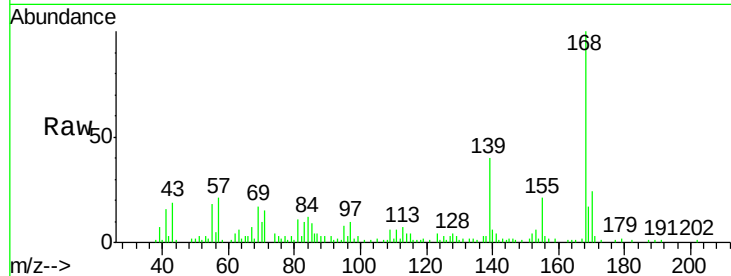
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 Dibenzofuran
 Concen: 2.056 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	36591		
139	39.6	30.1	45.1	
169	17.2	10.9	16.3	

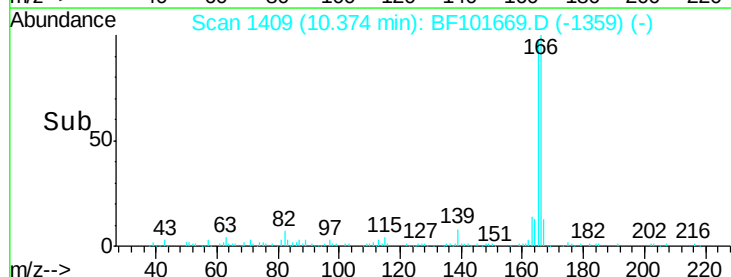
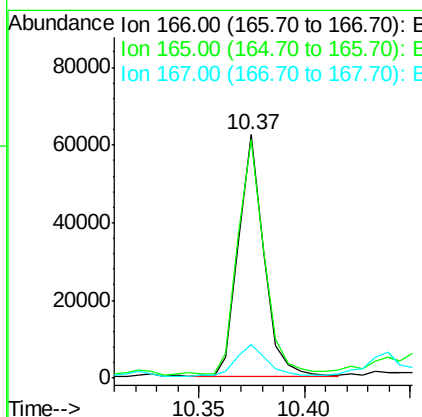
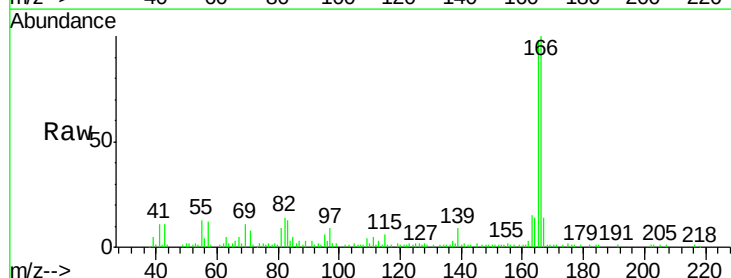
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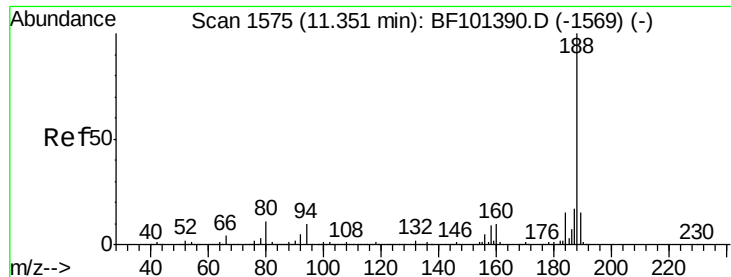
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#57
 Fluorene
 Concen: 3.409 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	51334		
165	98.1	79.8	119.8	
167	13.9	10.6	16.0	





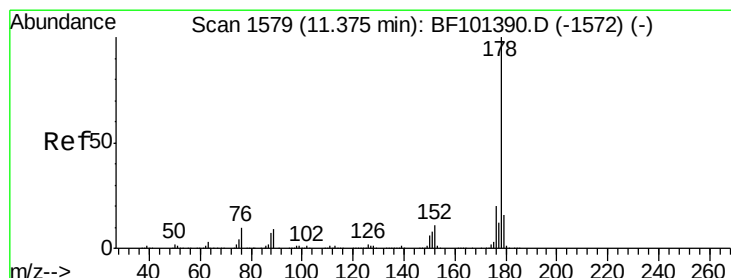
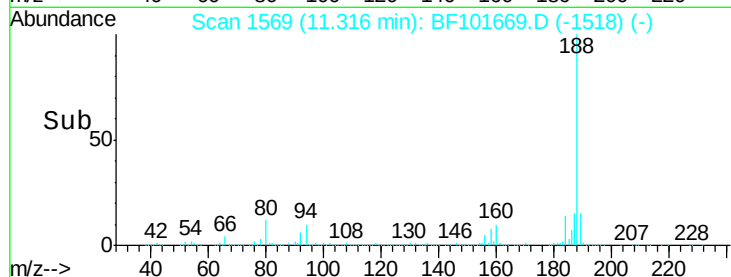
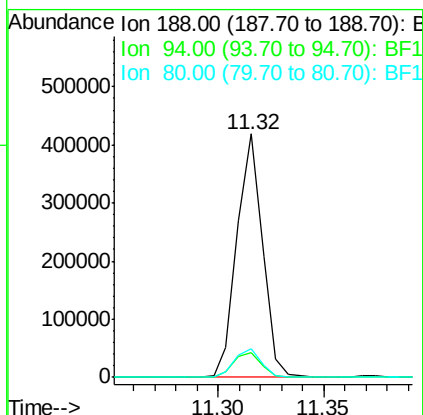
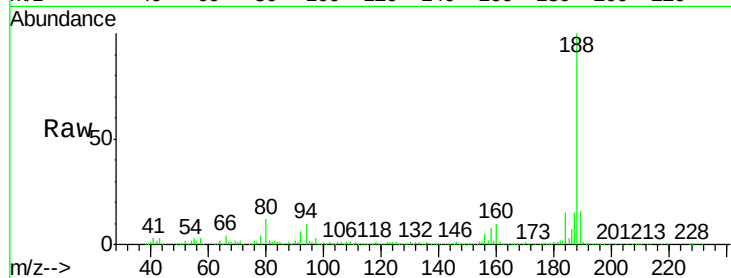
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Instrument :
BNA_F
ClientSampleId :
DB-WW-3-0-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	351045		
94	10.4		8.5	12.7
80	11.9		9.2	13.8

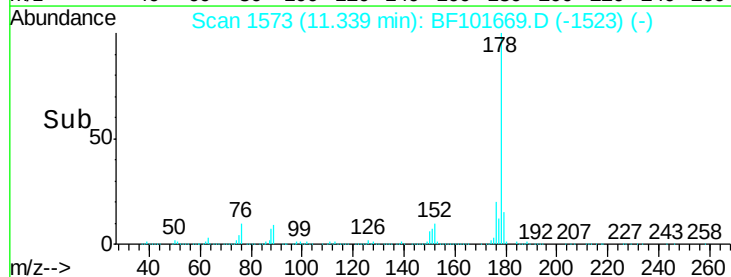
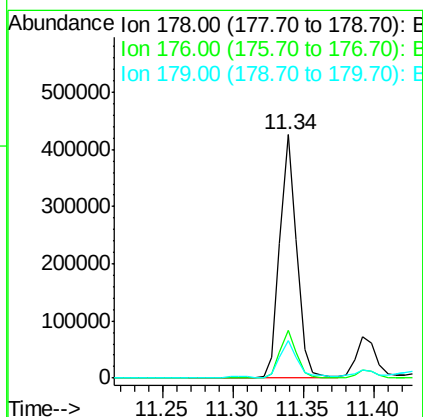
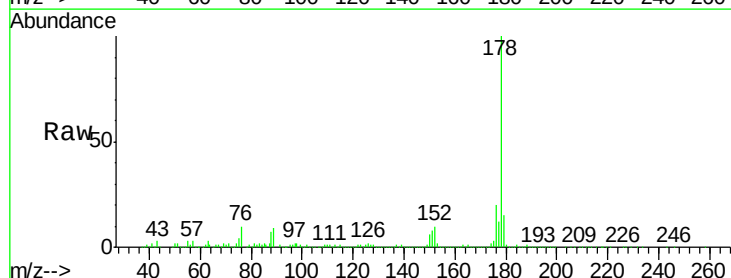
Manual Integrations
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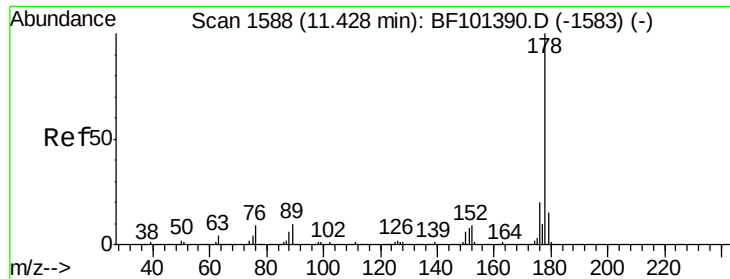
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#70
Phenanthrene
Concen: 18.329 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	357819		
176	19.8		15.8	23.8
179	15.5		13.0	19.6





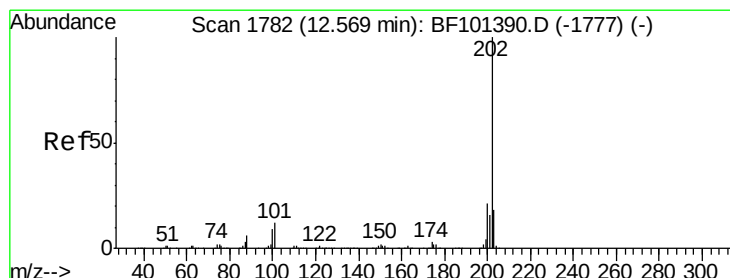
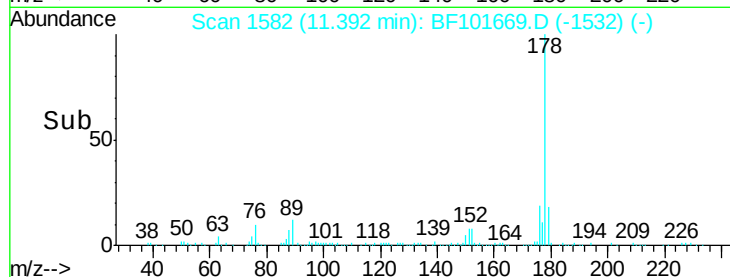
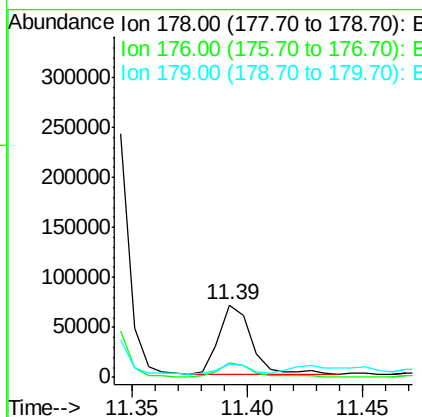
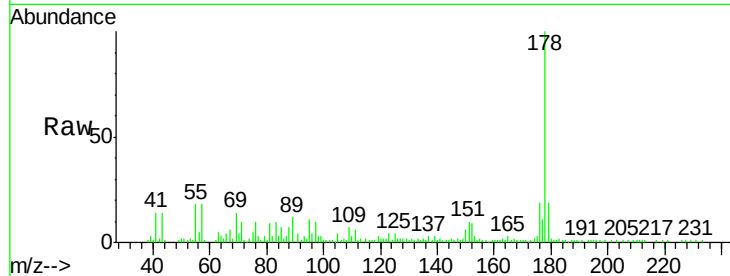
#71
 Anthracene
 Concen: 3.560 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	18.9	12.6	19.0

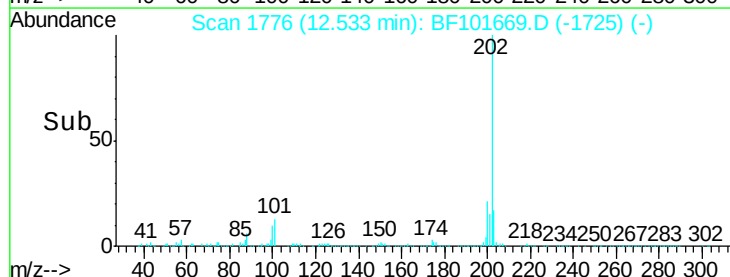
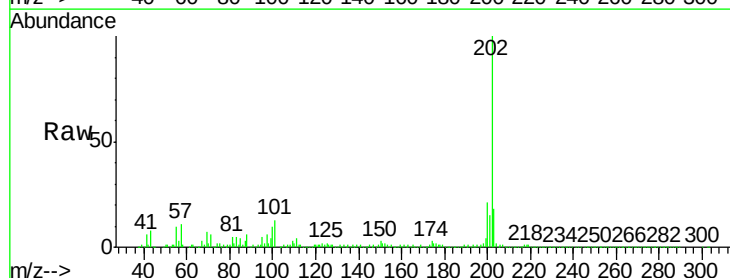
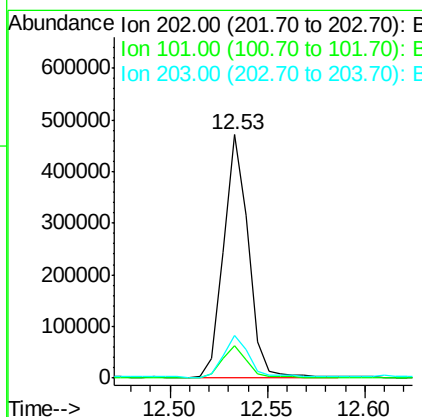
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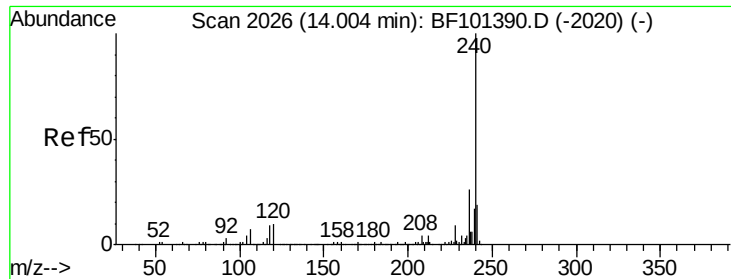
Sohil
 12/26/2017 1:37:33 PM



#74
 Fluoranthene
 Concen: 20.148 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

Instrument :

BNA_F

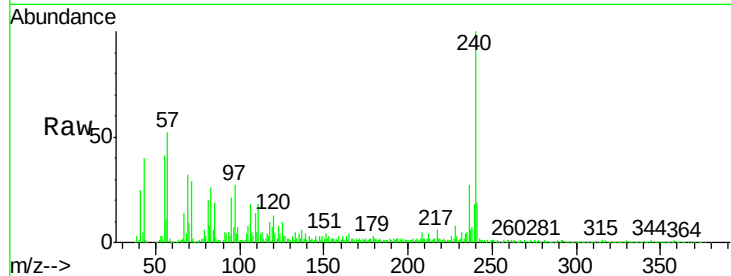
ClientSampleId :

DB-WW-3-0-4DL

Tgt Ion:	240	Resp:	273618
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	27.4	20.7	31.1

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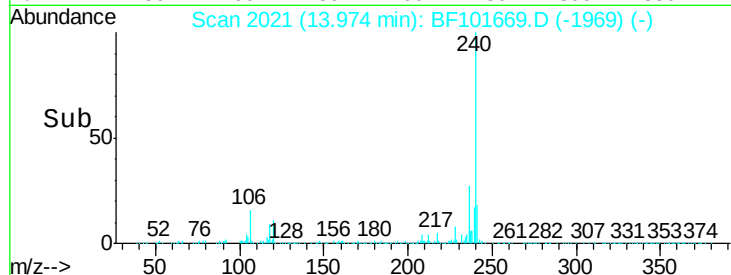


Abundance Ion 240.00 (239.70 to 240.70): E

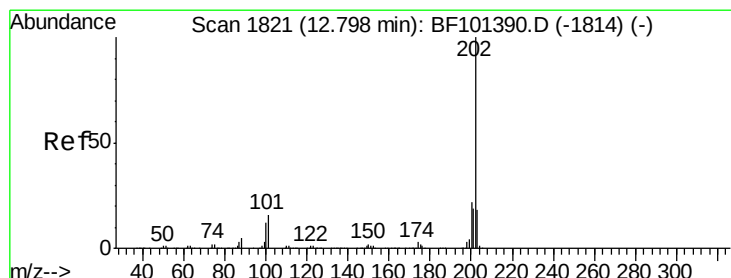
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 16.967 ng

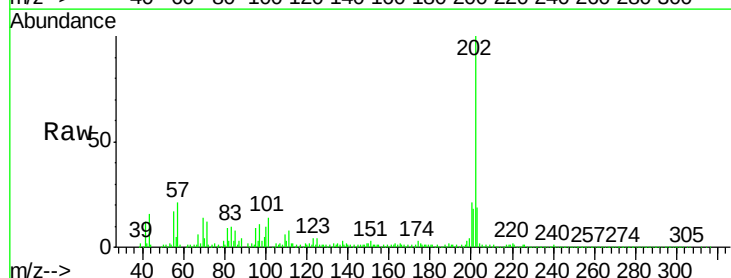
RT: 12.77 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

Tgt Ion:	202	Resp:	348423
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.6	14.3	21.5

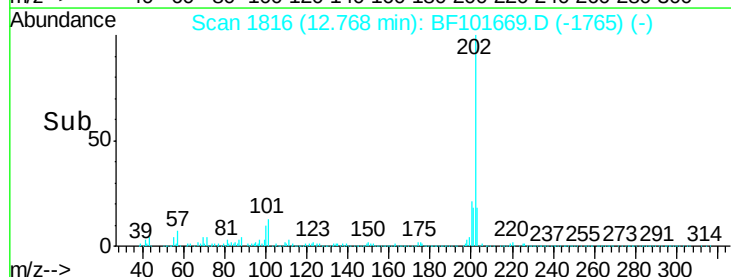


Abundance Ion 202.00 (201.70 to 202.70): E

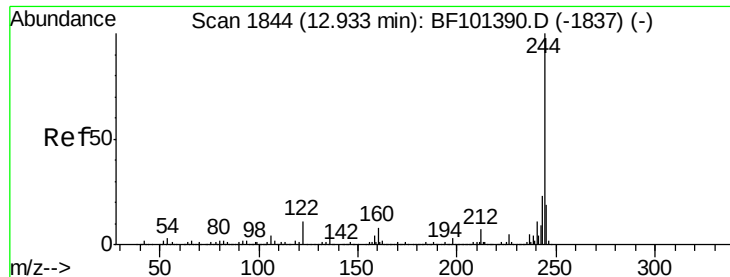
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 9.012 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101669.D

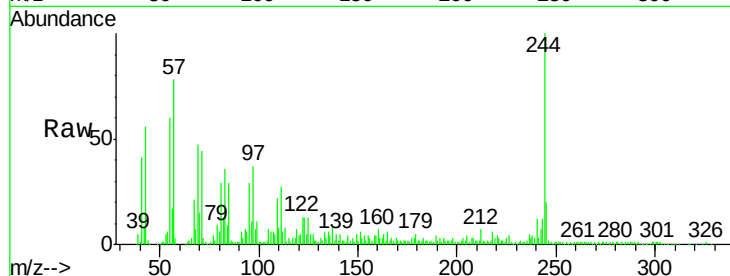
Acq: 22 Dec 2017 22:23

Instrument :

BNA_F

ClientSampleId :

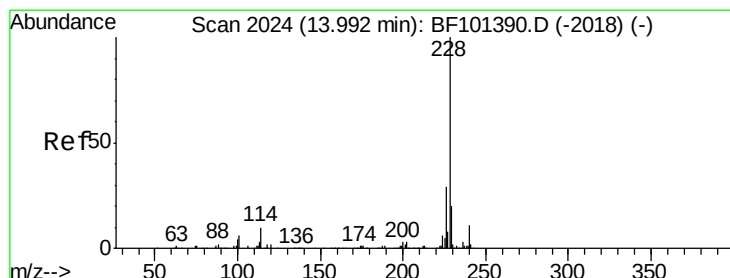
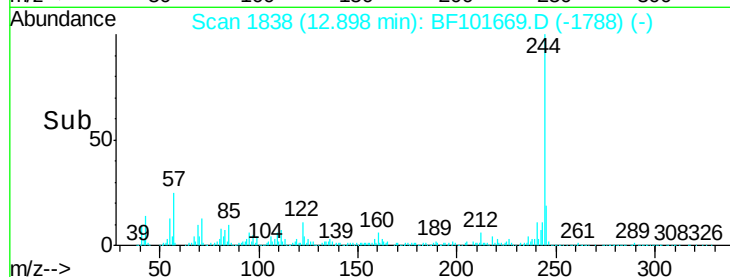
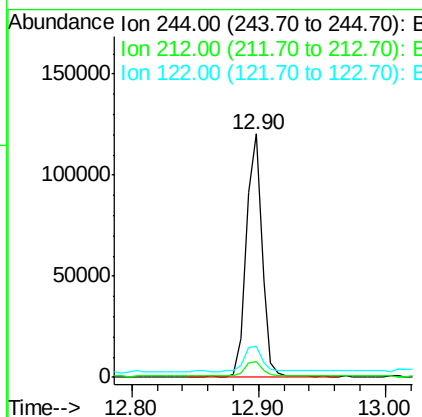
DB-WW-3-0-4DL



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	102281		
212	6.6	5.4	8.0	
122	13.0	11.0	16.4	

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#80

Benzo(a)anthracene

Concen: 7.507 ng

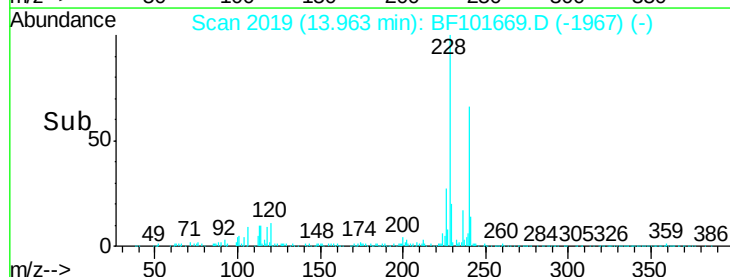
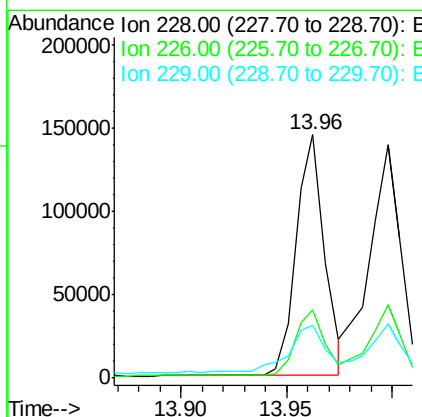
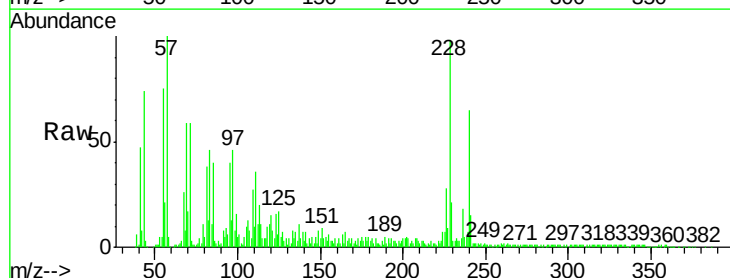
RT: 13.96 min Scan# 2019

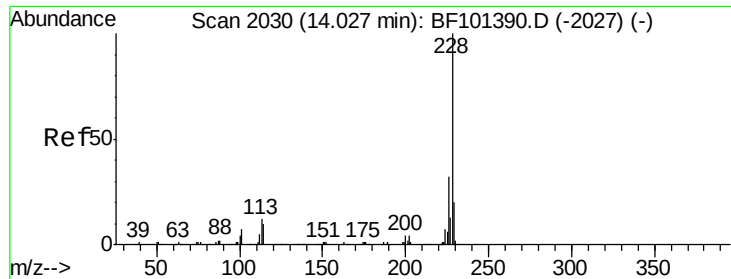
Delta R.T. 0.01 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	135625		
226	28.2	22.6	33.8	
229	21.7	15.8	23.6	





#82

Chrysene

Concen: 8.567 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

Instrument :

BNA_F

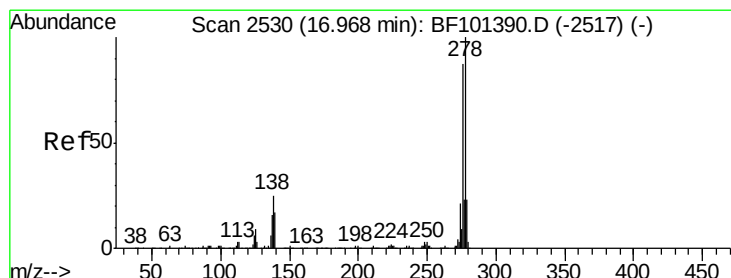
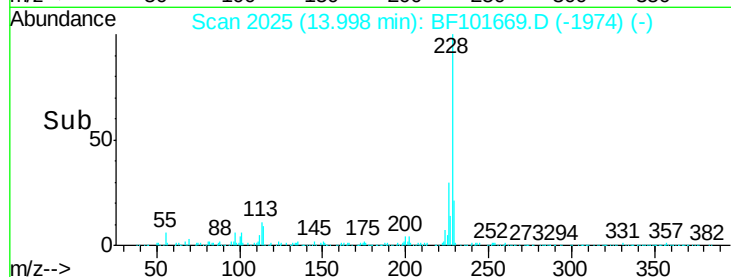
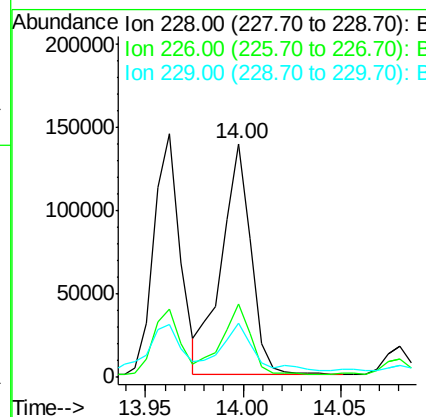
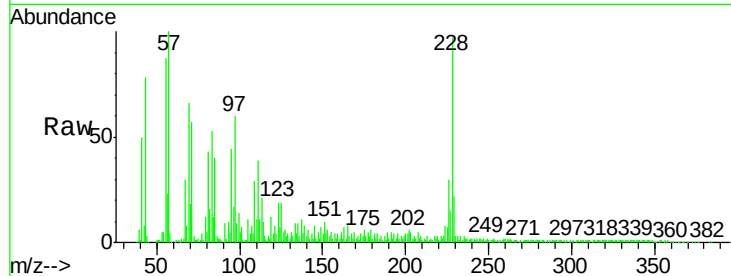
ClientSampleId :

DB-WW-3-0-4DL

Tgt Ion:	228	Resp:	146150
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	23.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.987 ng

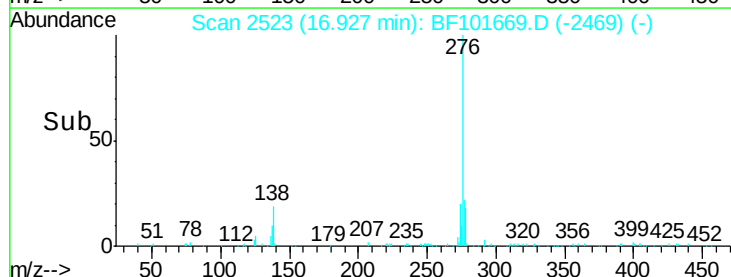
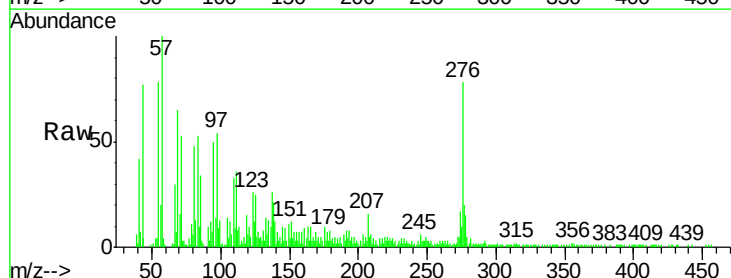
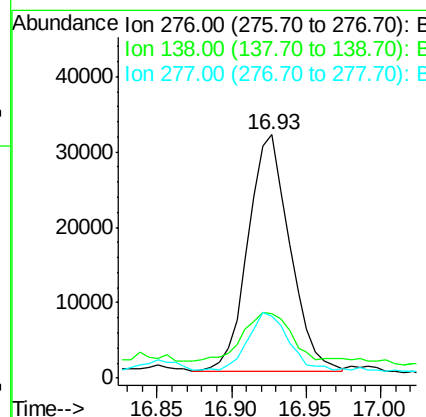
RT: 16.93 min Scan# 2523

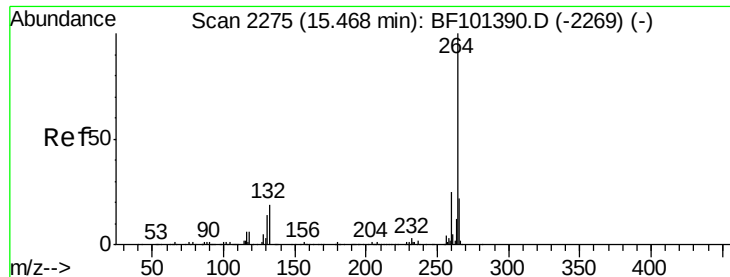
Delta R.T. 0.02 min

Lab File: BF101669.D

Acq: 22 Dec 2017 22:23

Tgt Ion:	276	Resp:	60560
Ion Ratio	Lower	Upper	
276	100		
138	22.8	25.0	37.6#
277	24.9	20.1	30.1





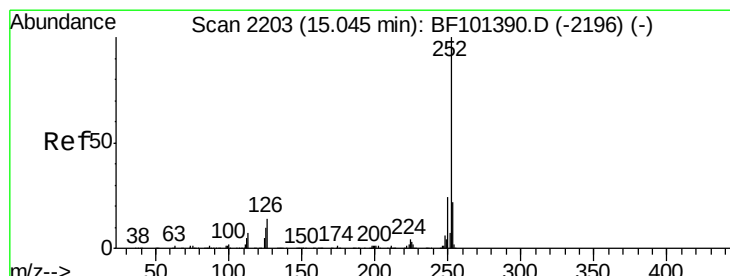
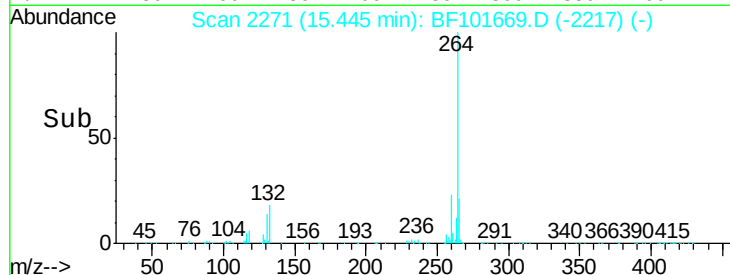
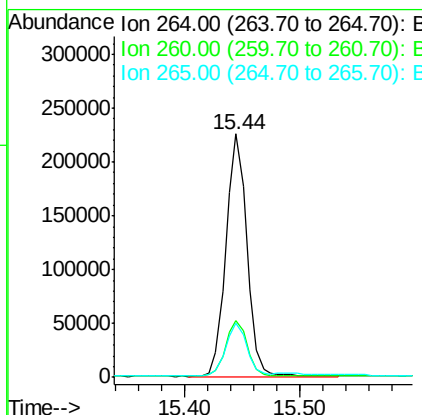
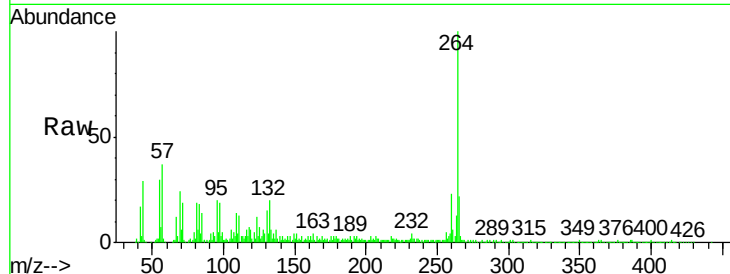
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.02 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Instrument :
BNA_F
ClientSampleId :
DB-WW-3-0-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	283341		
260	23.3	19.2	28.8	
265	22.0	17.5	26.3	

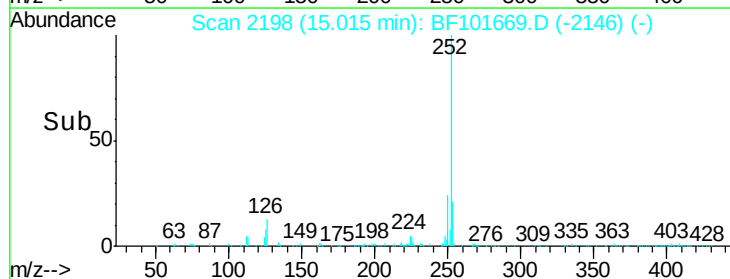
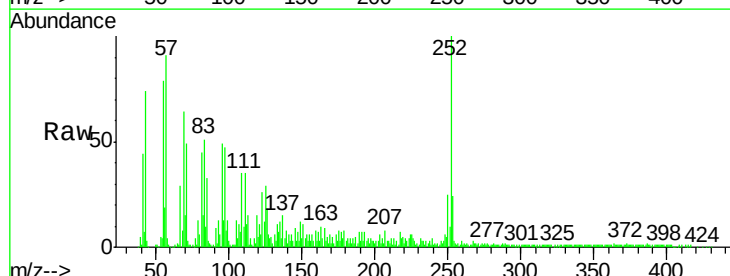
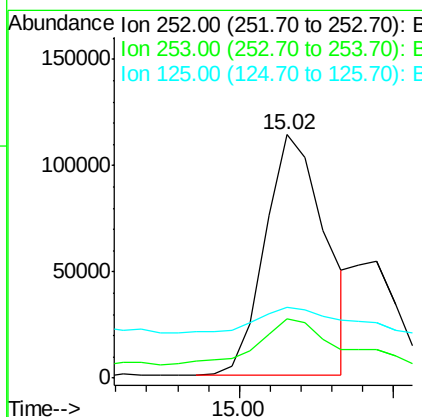
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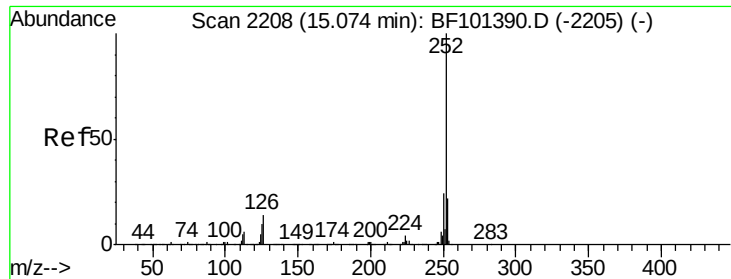
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#87
Benzo(b)fluoranthene
Concen: 8.962 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	154775		
253	24.3	17.0	25.6	
125	29.3	9.0	13.6#	





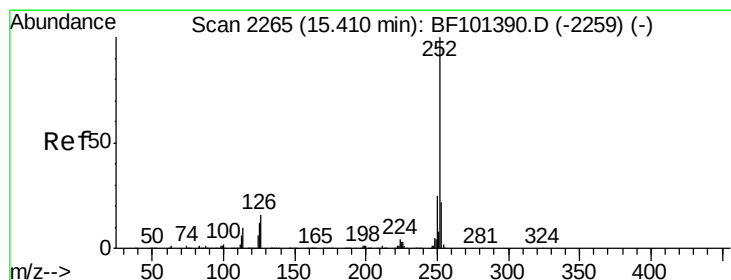
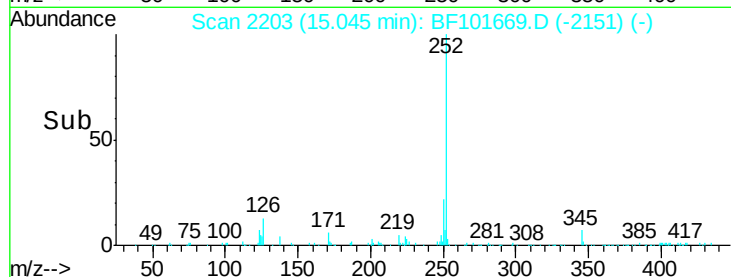
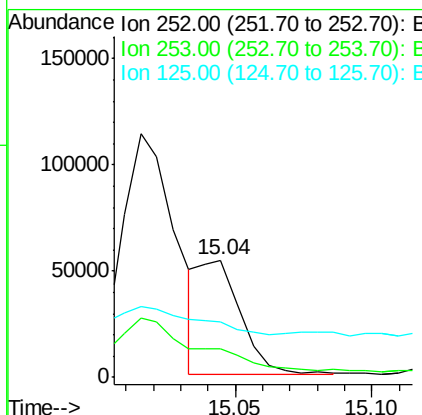
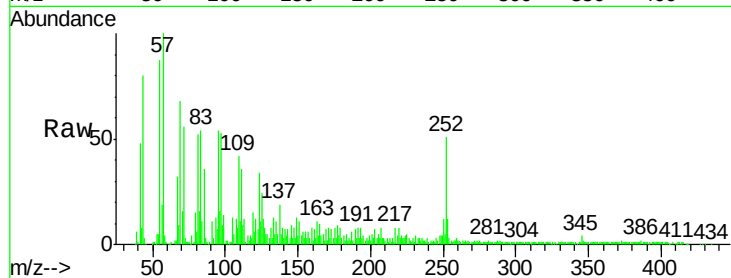
#88
Benzo(k)fluoranthene
Concen: 3.405 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Instrument :
BNA_F
ClientSampleId :
DB-WW-3-0-4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	47.1	10.2	15.2

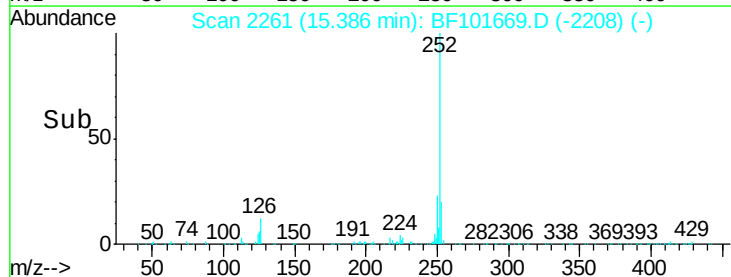
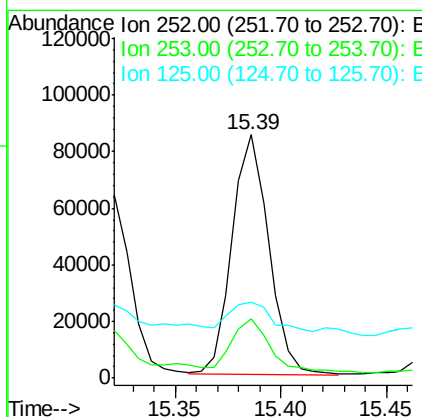
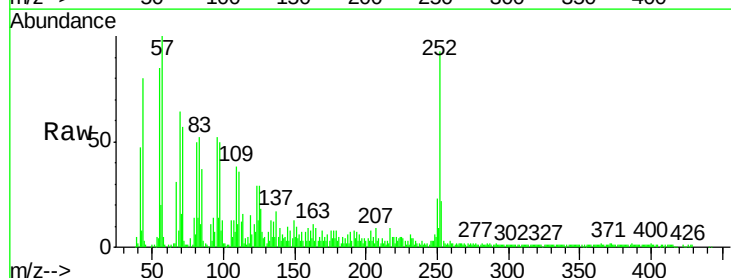
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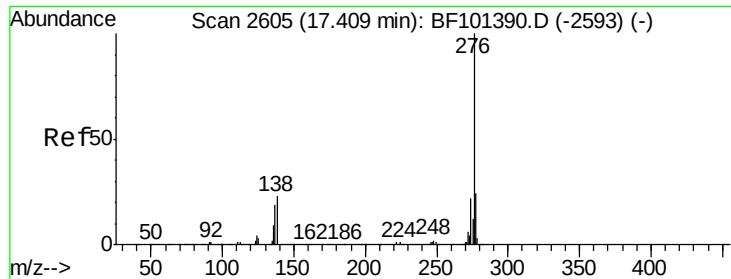
Sohil
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#89
Benzo(a)pyrene
Concen: 6.403 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101669.D
Acq: 22 Dec 2017 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	31.0	9.8	14.6





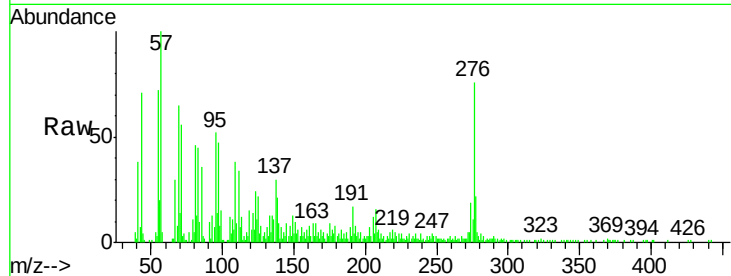
#91
 Benzo(g,h,i)perylene
 Concen: 4.315 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. 0.03 min
 Lab File: BF101669.D
 Acq: 22 Dec 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :
 DB-WW-3-0-4DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9#
138	28.0	21.8	32.8

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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

