

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101609.D
 Acq On : 21 Dec 2017 16:17
 Operator : SJ/JU
 Sample : I6988-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:42:01 PM

Quant Time: Dec 21 18:20:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138657	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	538339	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	203625	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	306337	20.00	ng	0.00
75) Chrysene-d12	13.97	240	289741	20.00	ng	0.00
86) Perylene-d12	15.44	264	233925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1173685	126.09	ng	0.02
7) Phenol-d6	6.45	99	1418848	122.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	890090	92.04	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	224409	114.37	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1318929	100.48	ng	0.00
78) Terphenyl-d14	12.91	244	983855	81.86	ng	0.00
Target Compounds						
10) Phenol	6.46	94	42175	3.194	ng	80
49) Dimethylphthalate	9.55	163	133938	8.178	ng	99
70) Phenanthrene	11.34	178	216235	12.693	ng	97
71) Anthracene	11.40	178	78886	4.533	ng	96
74) Fluoranthene	12.54	202	637396	35.645	ng	97
77) Pyrene	12.77	202	599952	27.590	ng	99
80) Benzo(a)anthracene	13.96	228	322408	16.852	ng	98
82) Chrysene	14.00	228	273390	15.134	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	90087	5.600	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	313084m	21.958	ng	
88) Benzo(k)fluoranthene	15.04	252	77767m	5.610	ng	
89) Benzo(a)pyrene	15.38	252	181173	13.784	ng	95
91) Benzo(a,h,i)perylene	17.36	276	82506	7.383	ng	96

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

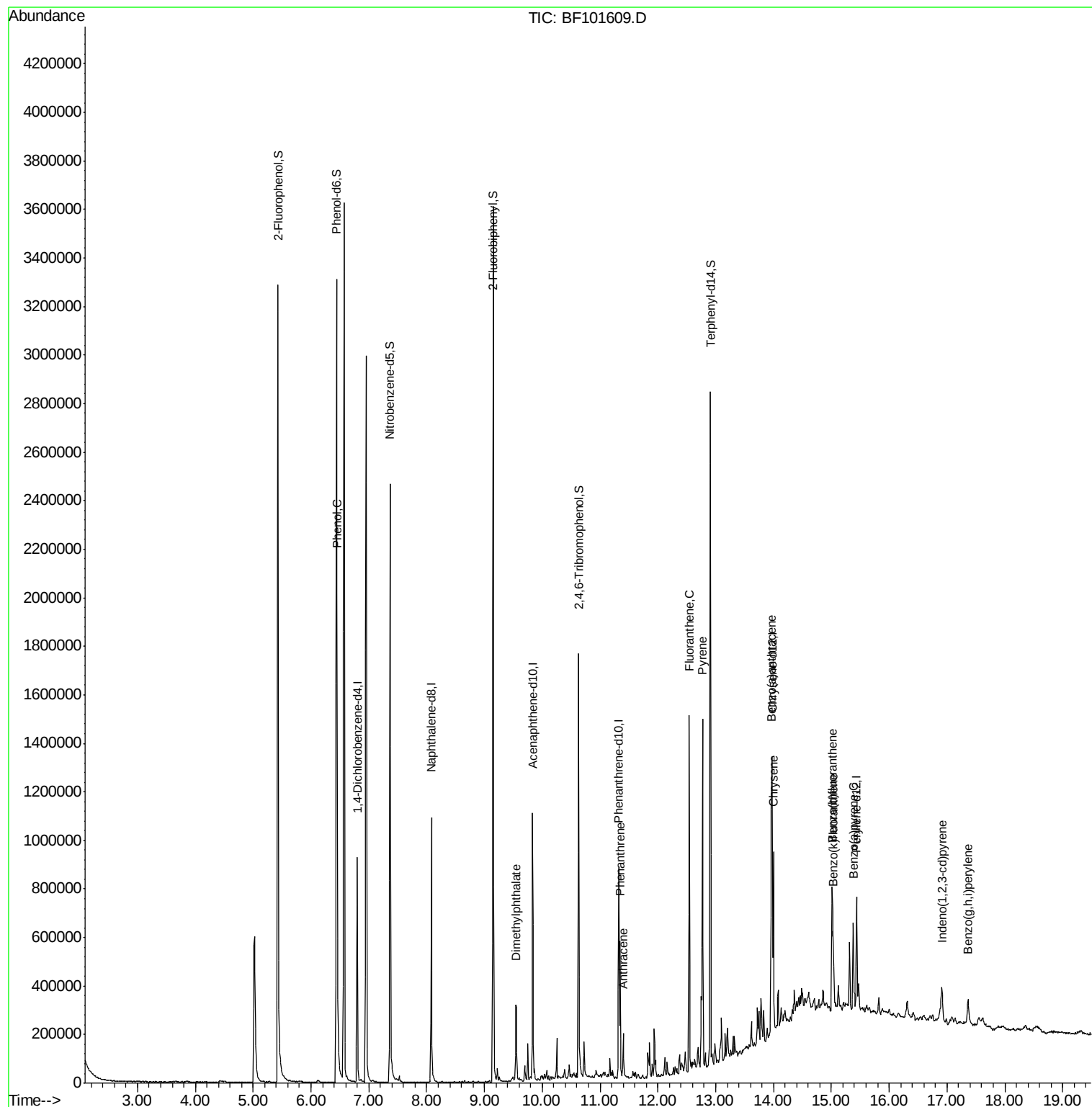
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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#1

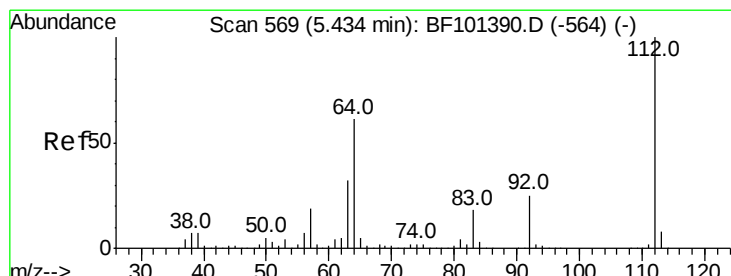
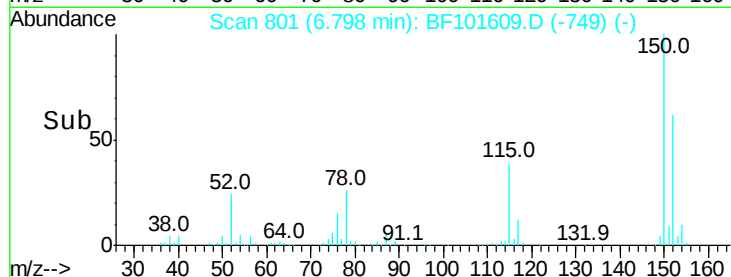
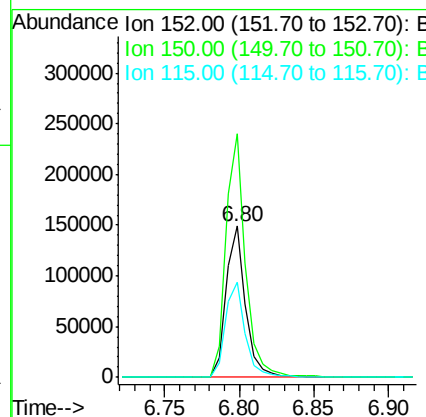
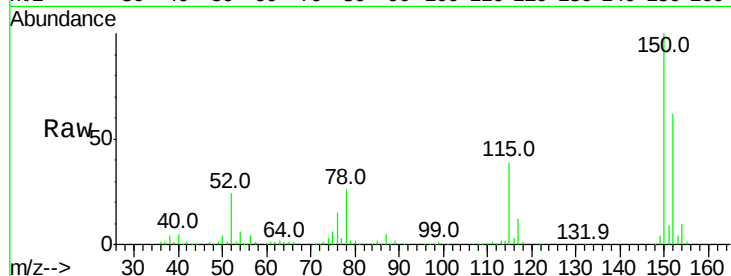
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	63.1	50.1	75.1

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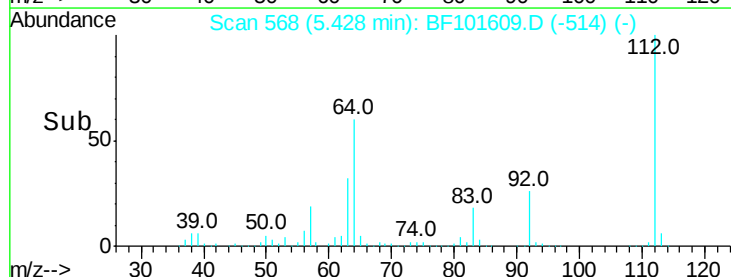
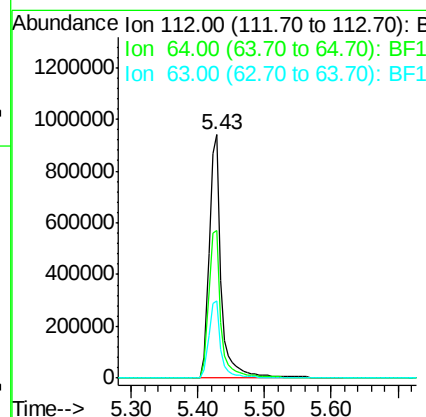
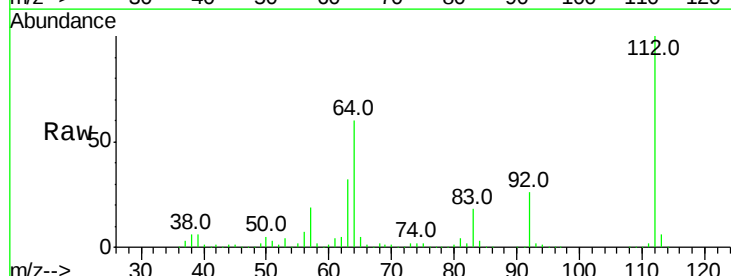
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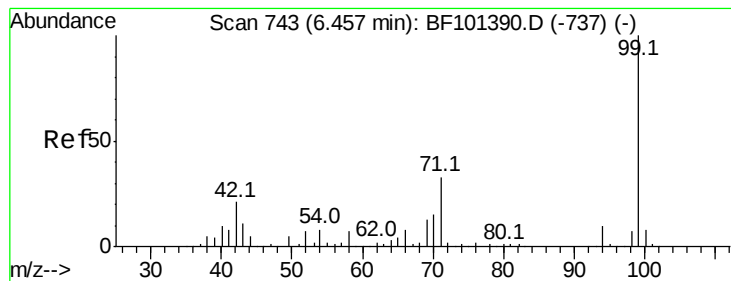


#5

2-Fluorophenol
Concen: 126.088 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	31.5	23.7	35.5





#7

Phenol-d6

Concen: 122.476 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion: 99 Resp: 1418848

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

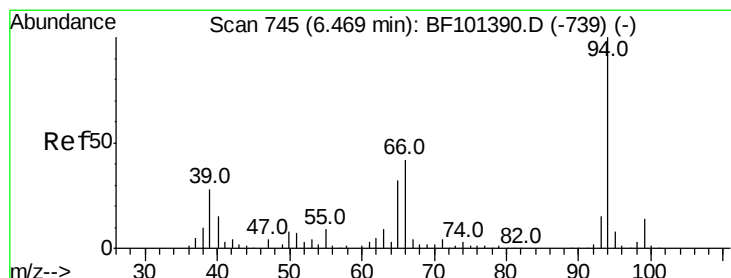
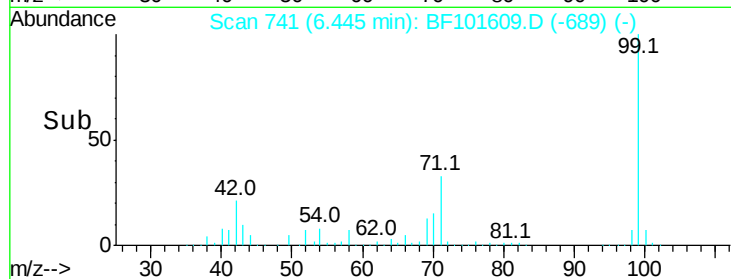
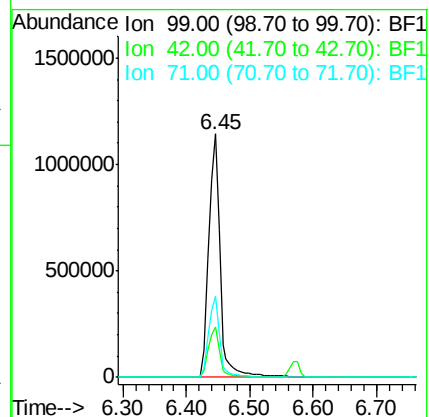
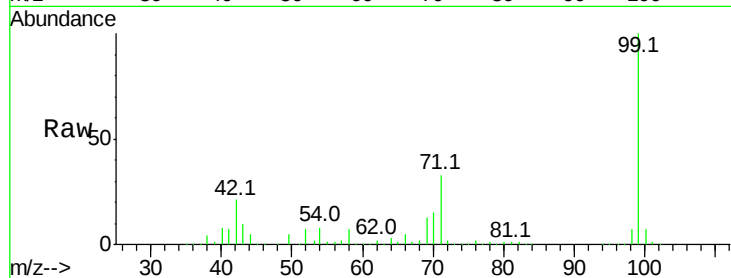
71 33.4 25.4 38.0

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#10

Phenol

Concen: 3.194 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

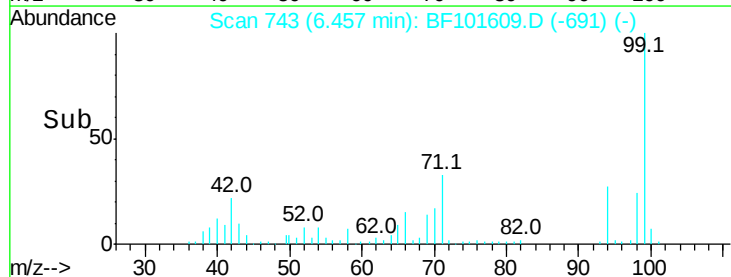
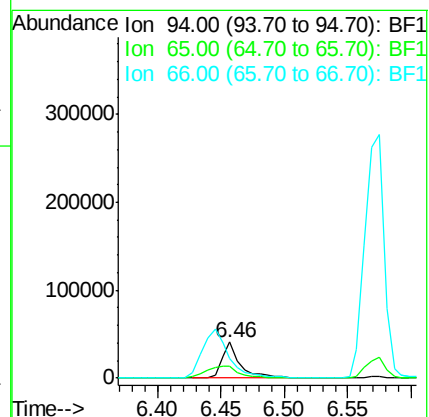
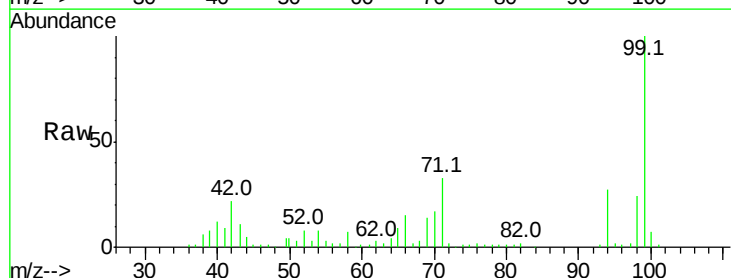
Tgt Ion: 94 Resp: 42175

Ion Ratio Lower Upper

94 100

65 32.0 7.9 47.9

66 53.3 16.2 56.2





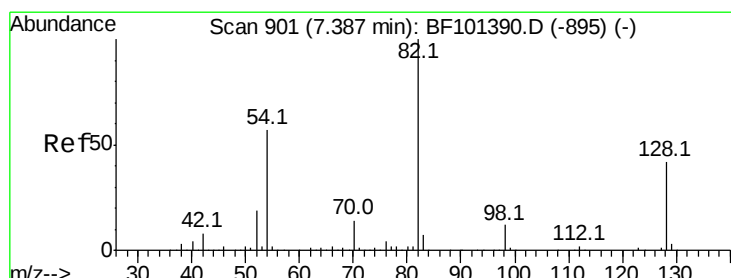
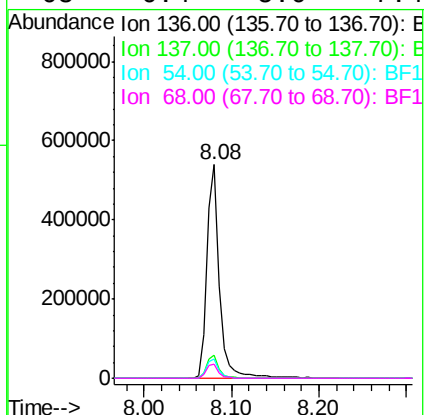
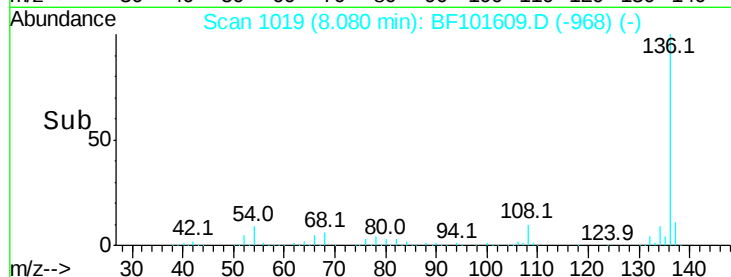
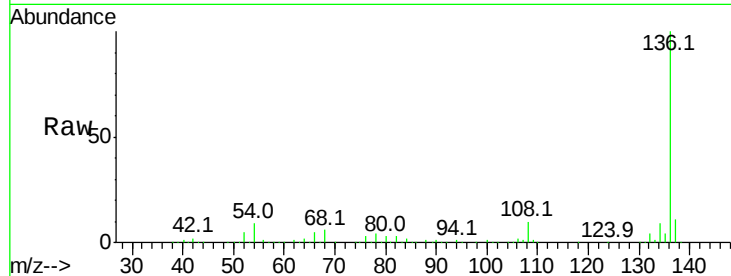
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	8.8	6.6	9.8	
68	6.4	5.0	7.4	

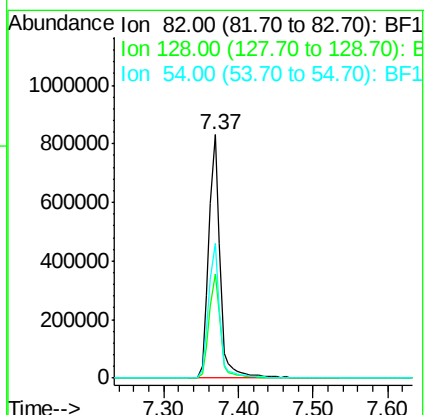
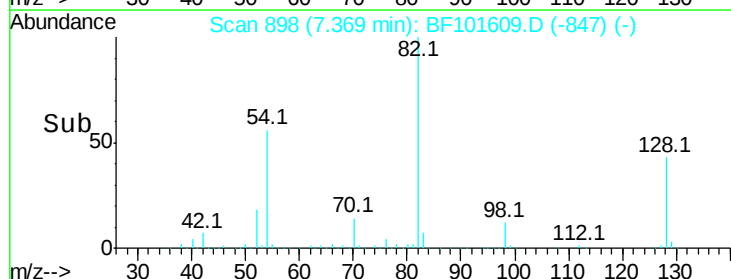
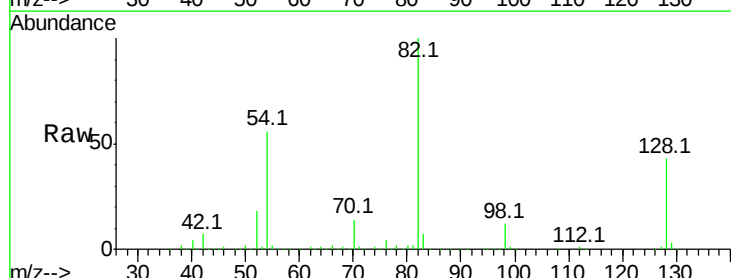
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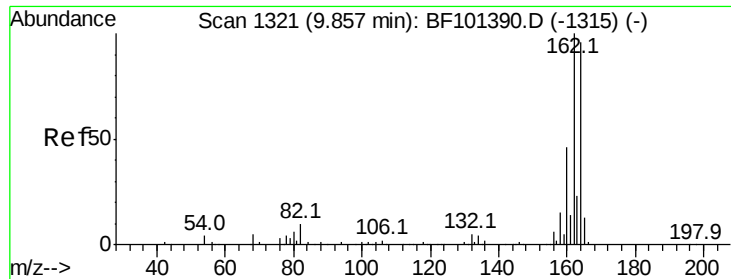
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#23
Nitrobenzene-d5
Concen: 92.038 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.8	36.1	54.1	
54	55.5	41.4	62.2	





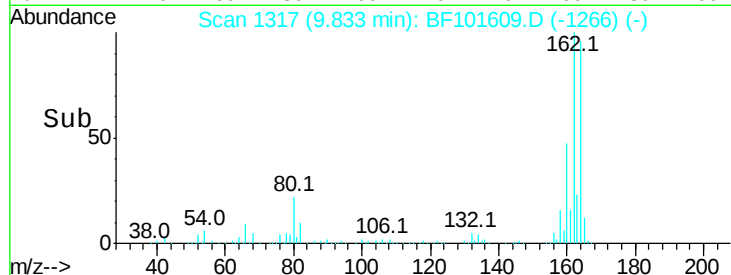
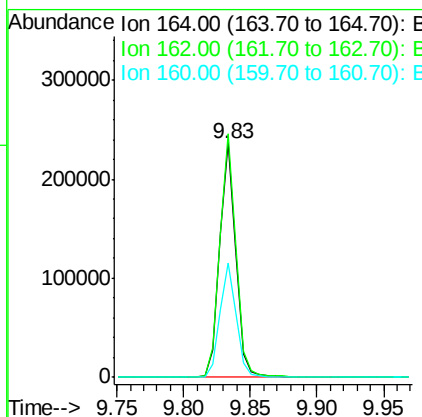
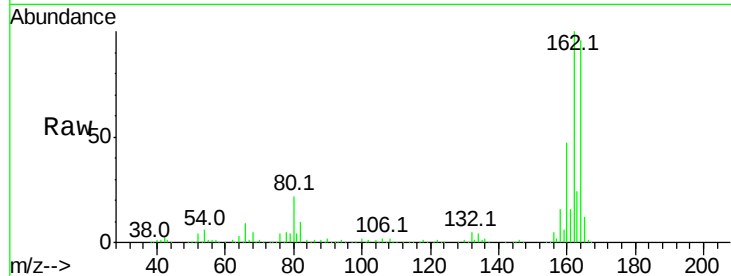
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Resp	Lower	Upper
164	100	203625		
162	104.0	86.1	129.1	
160	48.9	38.3	57.5	

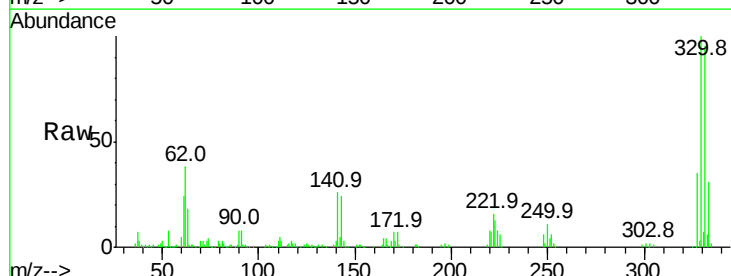
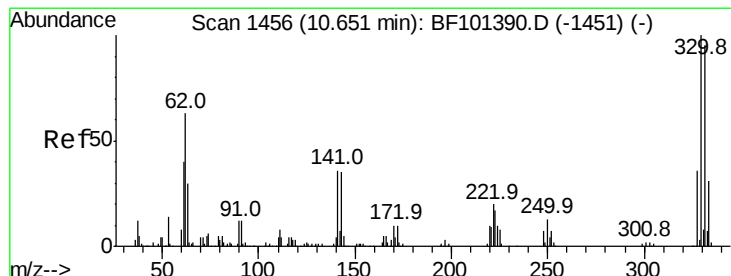
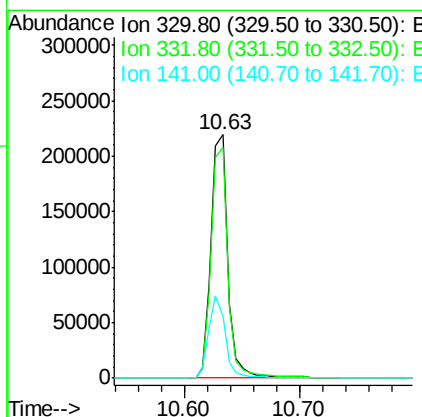
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#41
2,4,6-Tribromophenol
Concen: 114.373 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	224409		
332	95.1	77.0	115.6	
141	33.7	29.9	44.9	





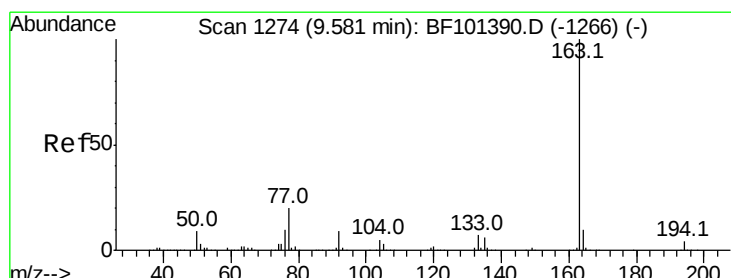
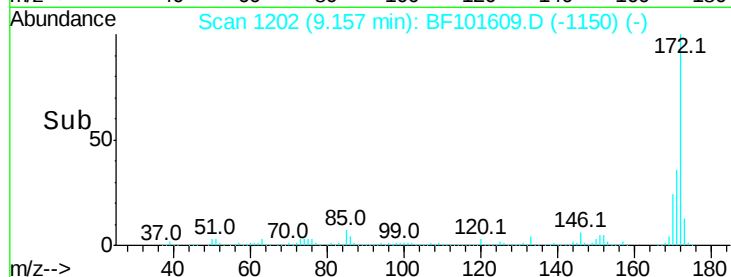
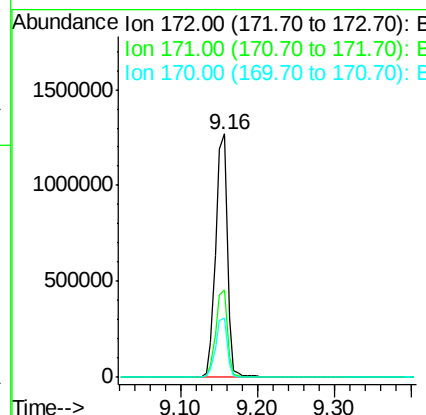
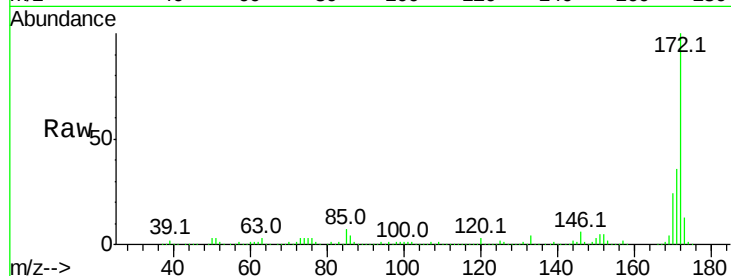
#44
2-Fluorobiphenyl
Concen: 100.478 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion:172 Resp: 1318929
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.2 19.6 29.4

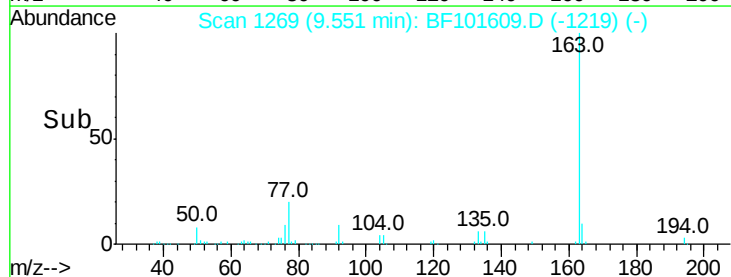
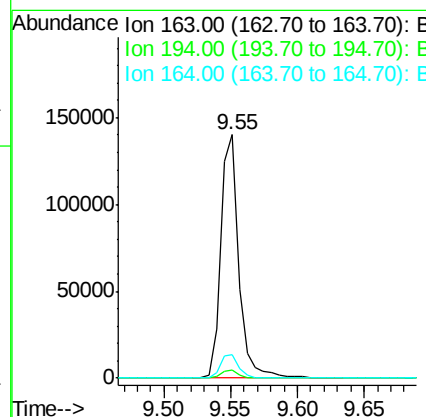
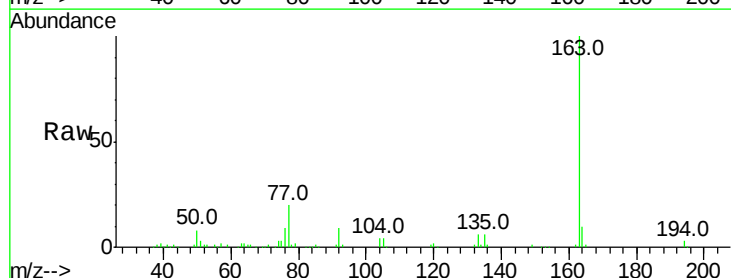
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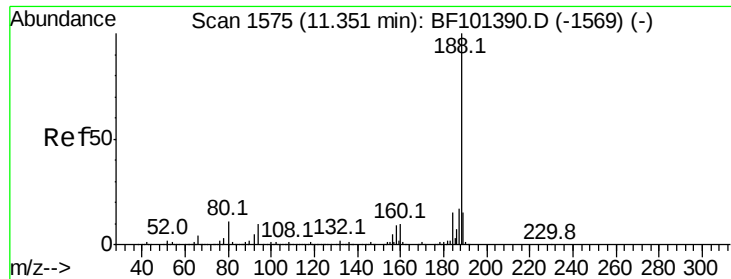
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#49
Dimethylphthalate
Concen: 8.178 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion:163 Resp: 133938
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.6 8.2 12.2





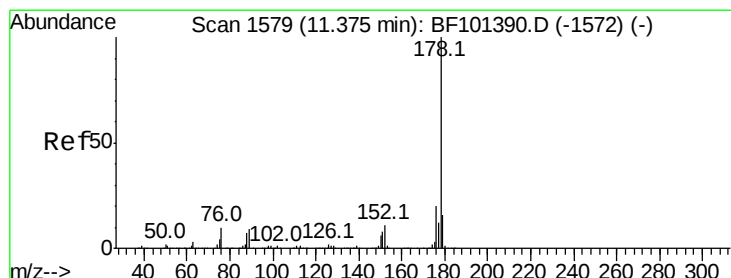
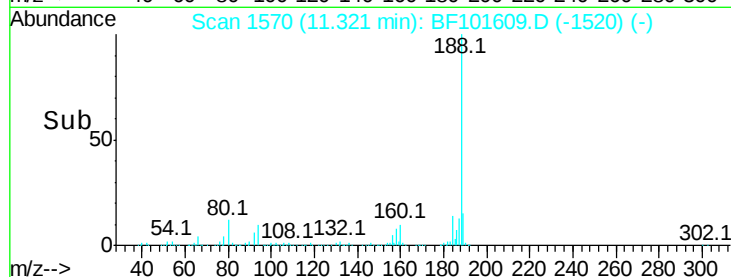
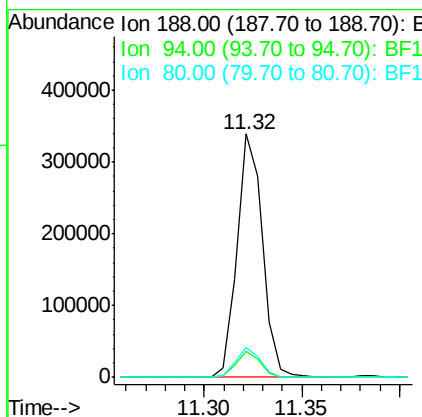
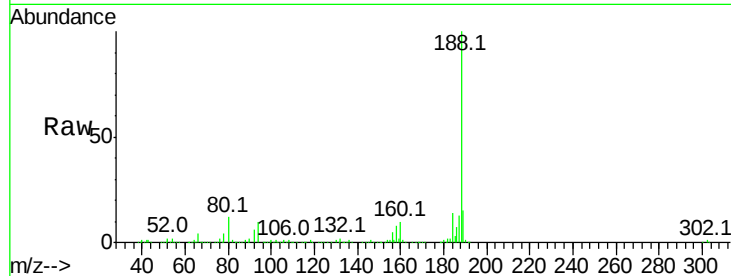
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.5	12.7
80	12.5	9.2	13.8

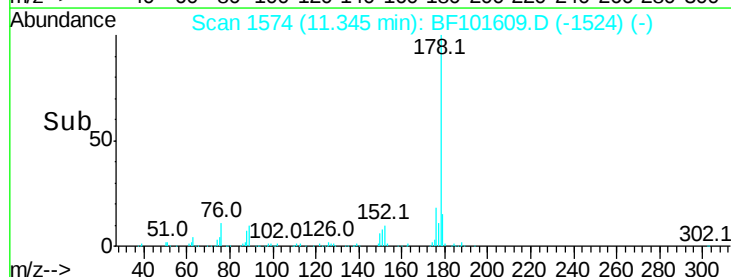
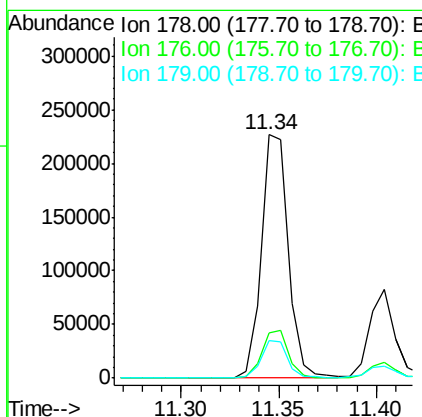
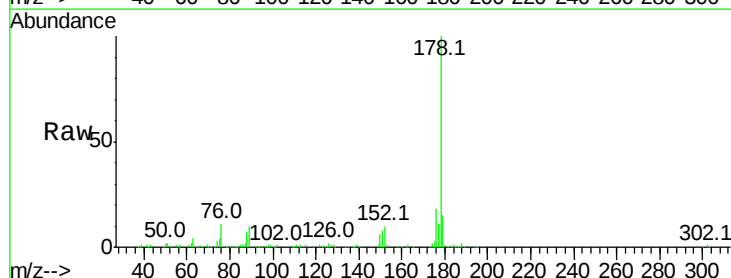
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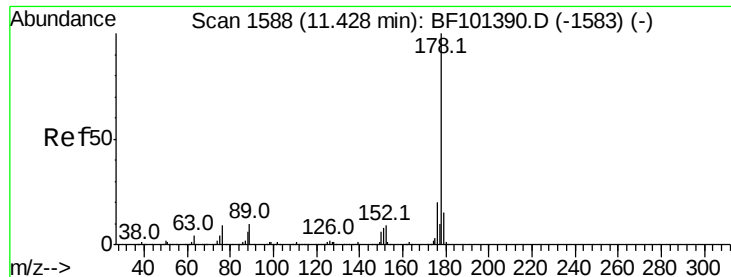
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#70
Phenanthrene
Concen: 12.693 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.2	13.0	19.6





#71

Anthracene

Concen: 4.533 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

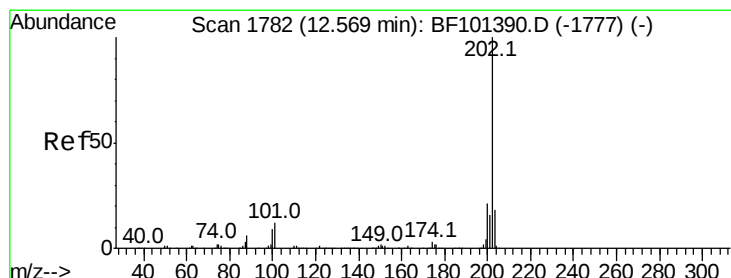
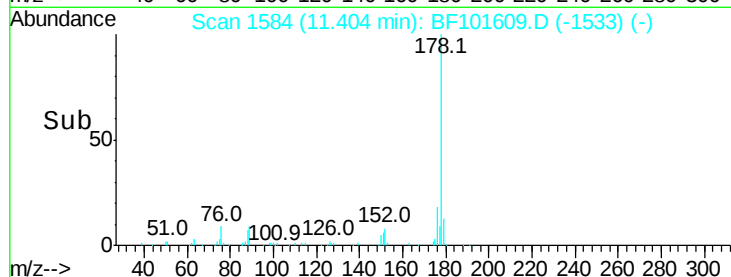
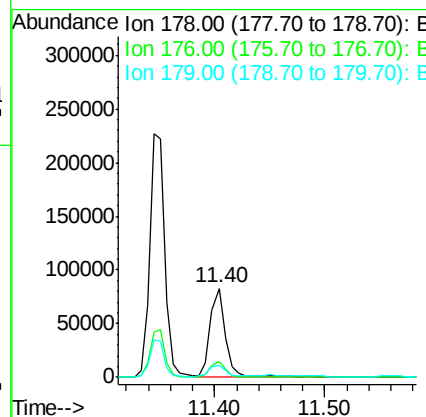
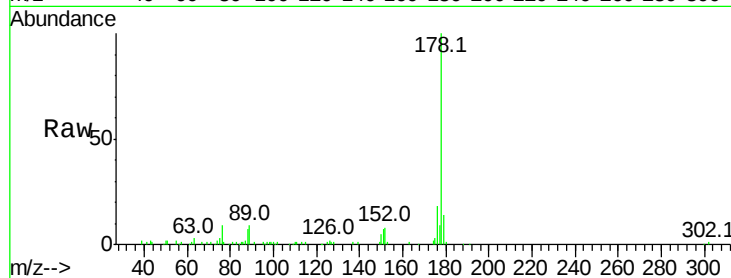
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	178	Resp:	78886
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	13.5	12.6	19.0

Manual Integrations
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#74

Fluoranthene

Concen: 35.645 ng

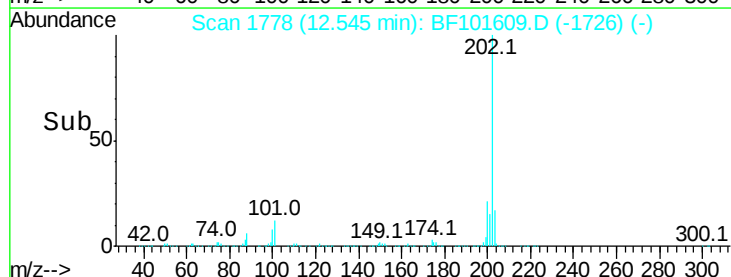
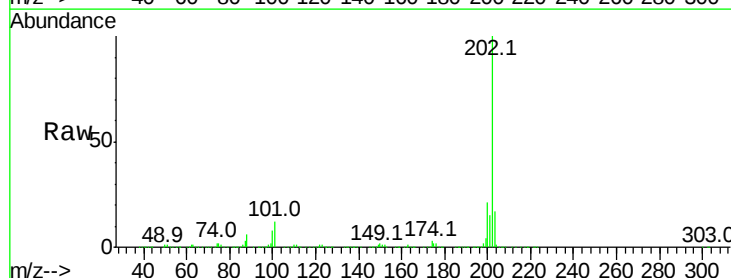
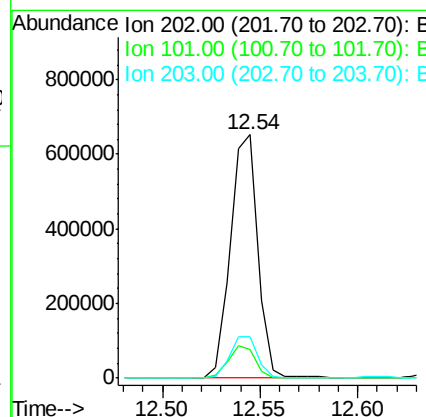
RT: 12.54 min Scan# 1778

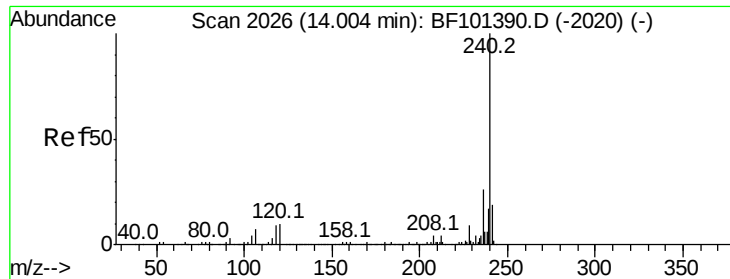
Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Tgt Ion:	202	Resp:	637396
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

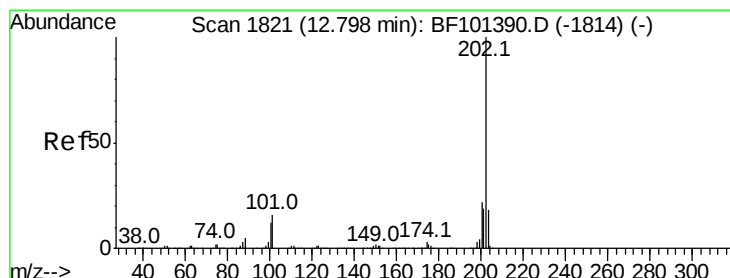
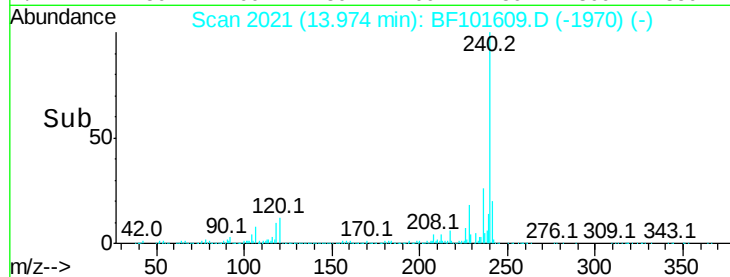
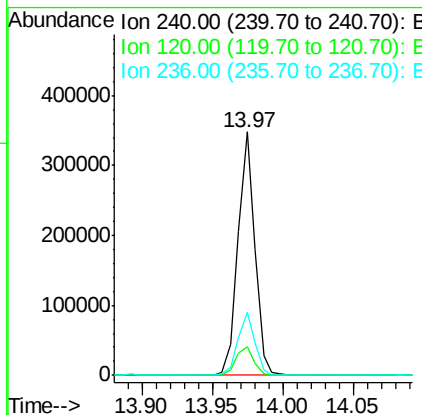
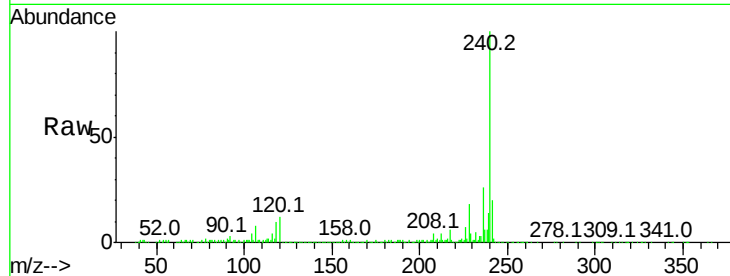
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	240	Resp:	289741
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 27.590 ng

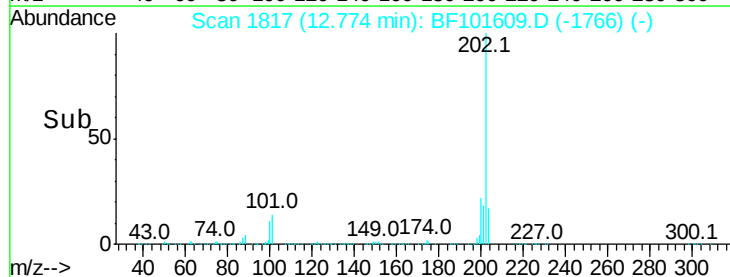
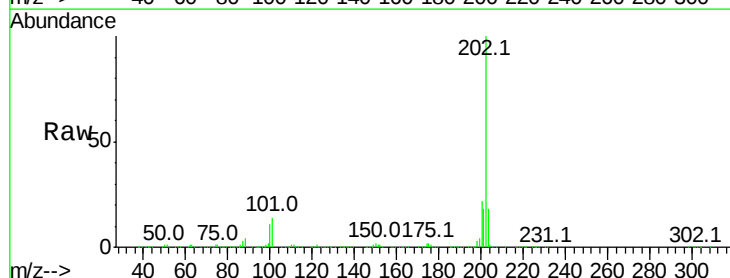
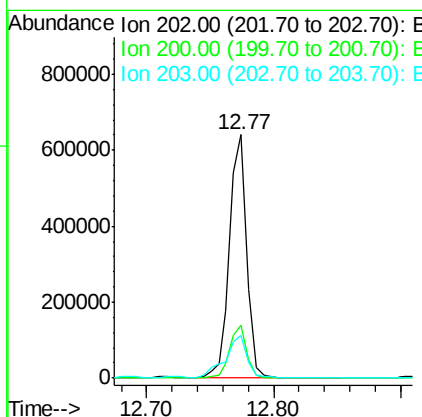
RT: 12.77 min Scan# 1817

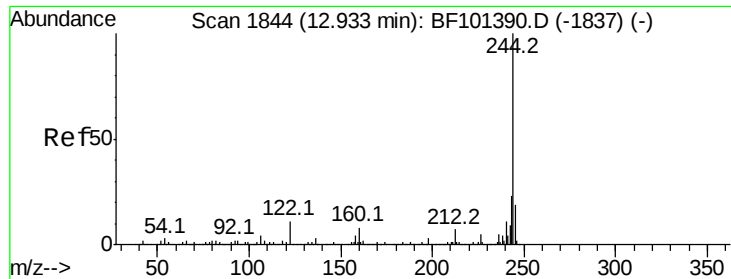
Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Tgt Ion:	202	Resp:	599952
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.6	14.3	21.5





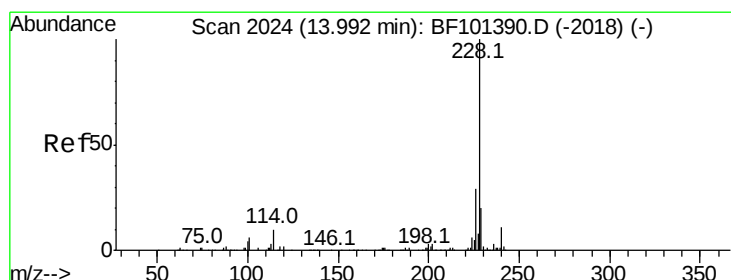
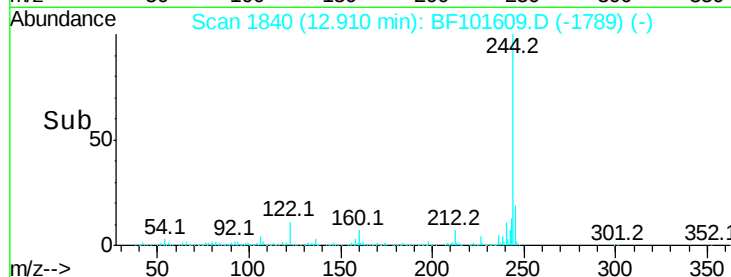
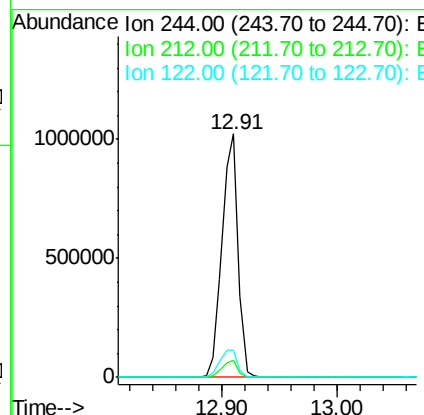
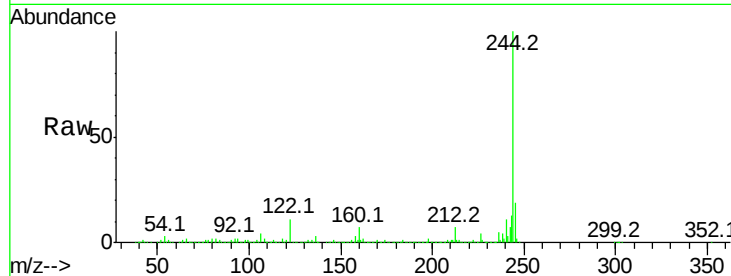
#78
 Terphenyl-d14
 Concen: 81.861 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Instrument :
 BNA_F
 ClientSampleId :
 RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4

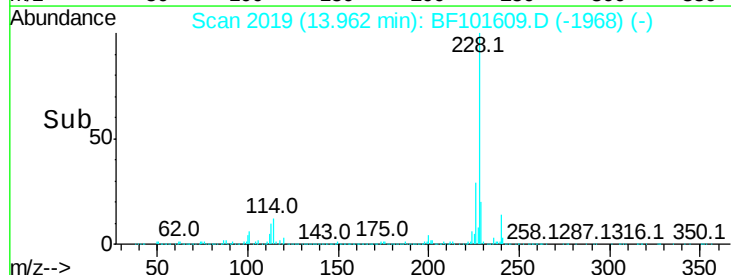
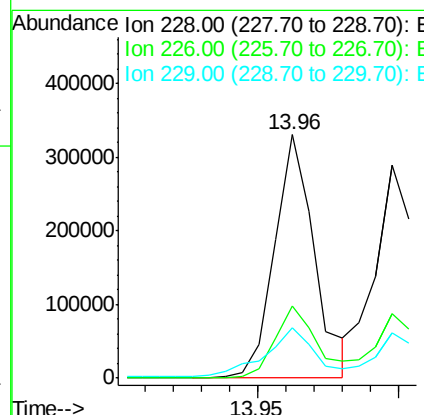
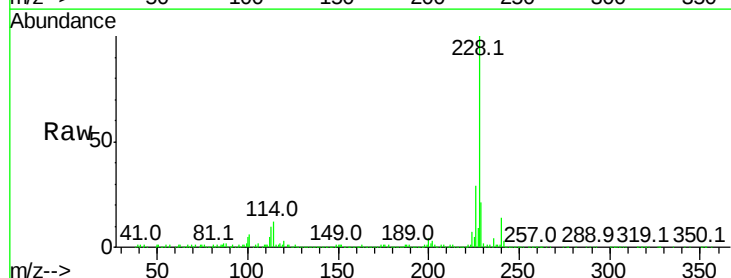
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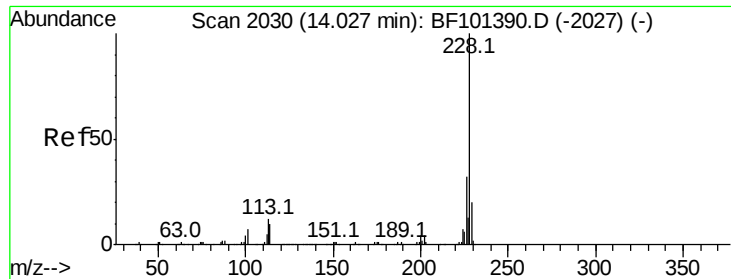
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#80
 Benzo(a)anthracene
 Concen: 16.852 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF101609.D
 Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.7	15.8	23.6





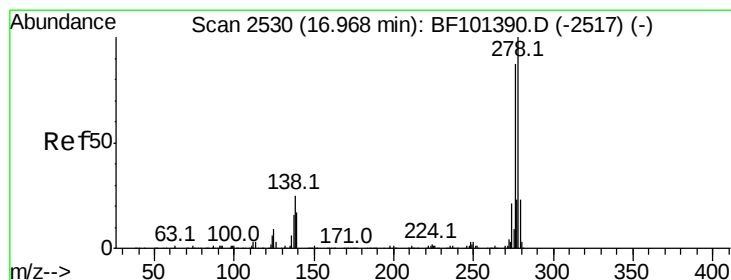
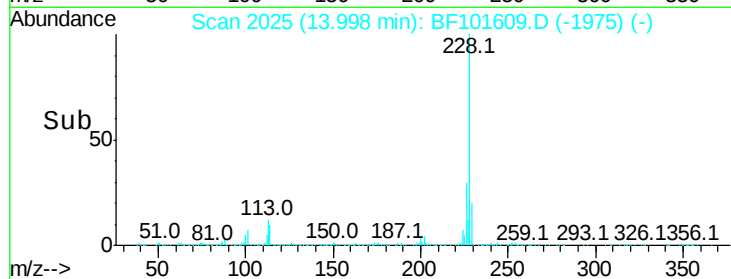
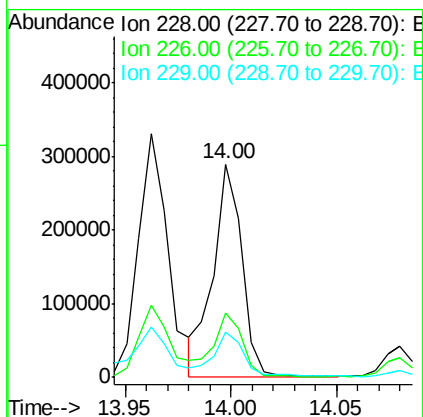
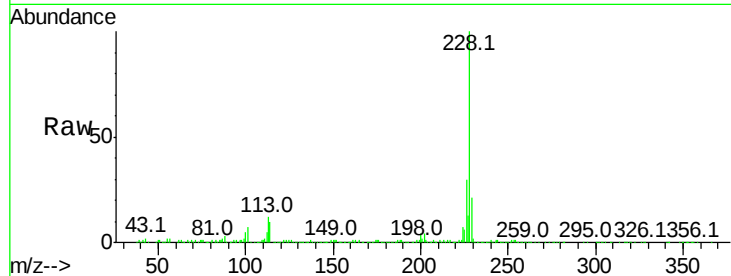
#82
Chrysene
Concen: 15.134 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.1	16.2	24.4

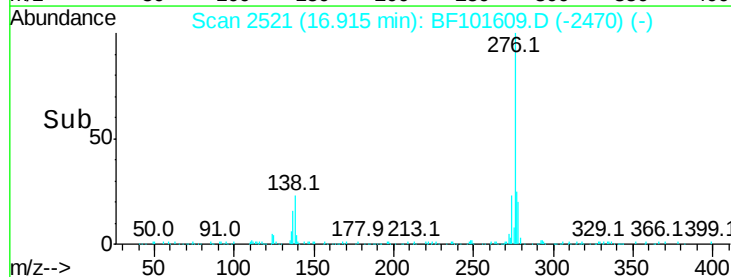
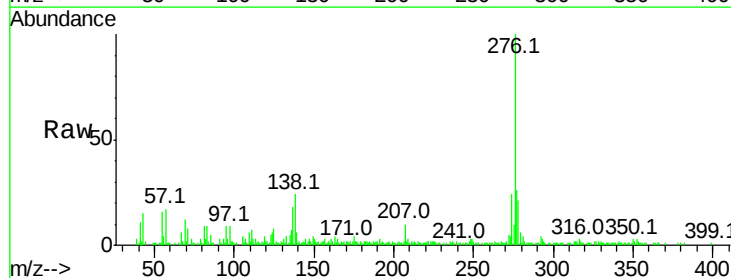
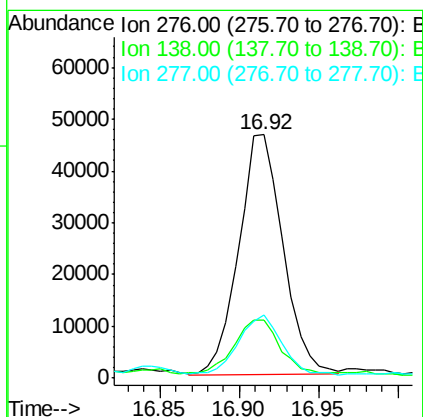
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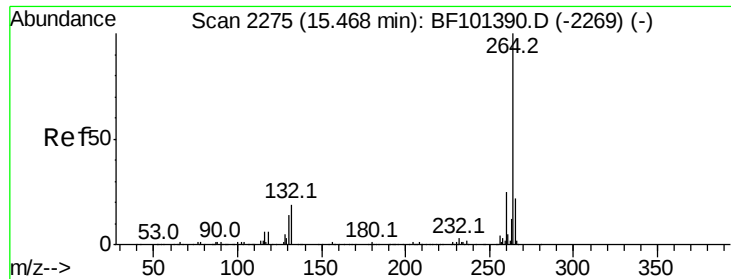
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.600 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.00 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	25.0	37.6#
277	24.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

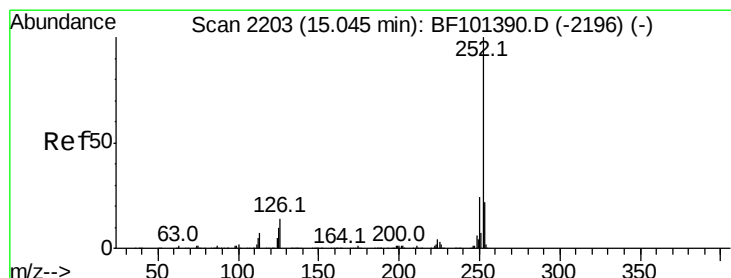
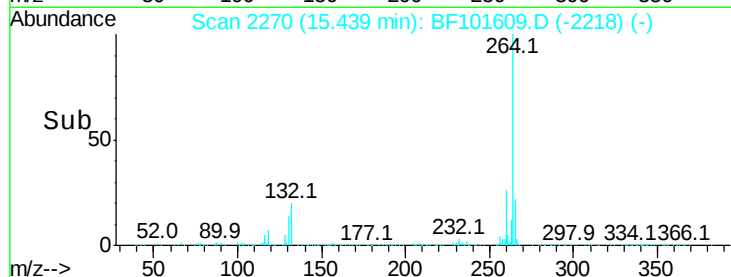
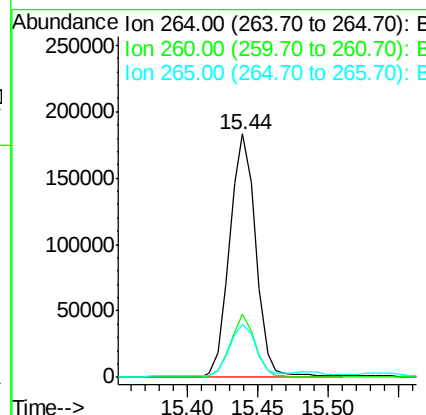
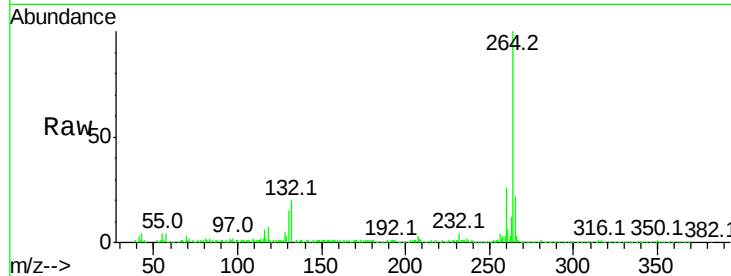
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	264	Resp:	233925
Ion Ratio	Lower	Upper	
264	100		
260	26.0	19.2	28.8
265	22.0	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 21.958 ng m

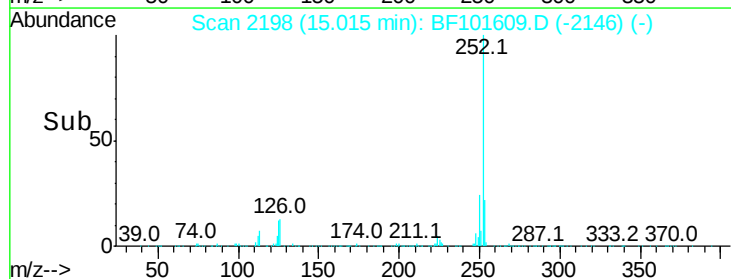
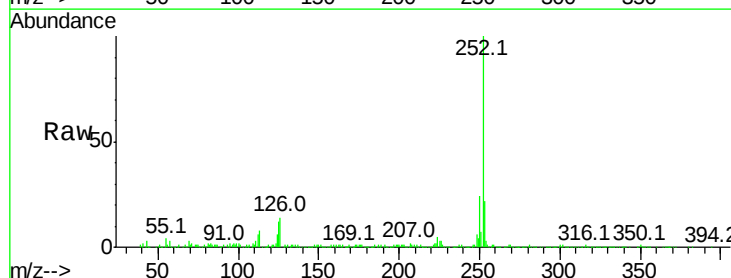
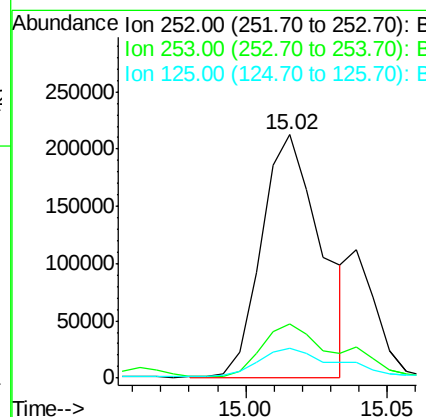
RT: 15.02 min Scan# 2198

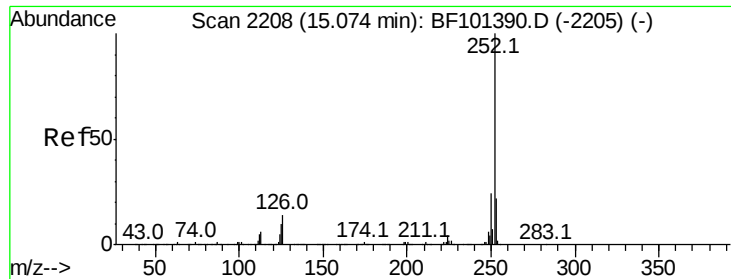
Delta R.T. 0.01 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Tgt Ion:	252	Resp:	313084
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	12.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 5.610 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Instrument :

BNA_F

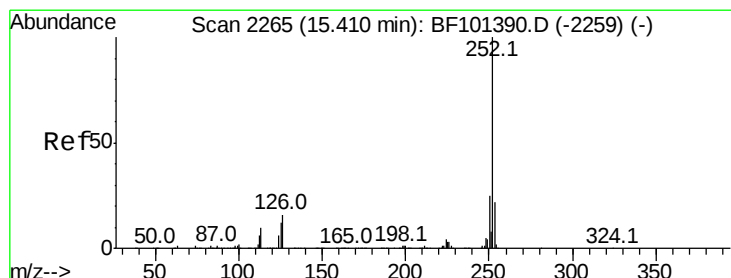
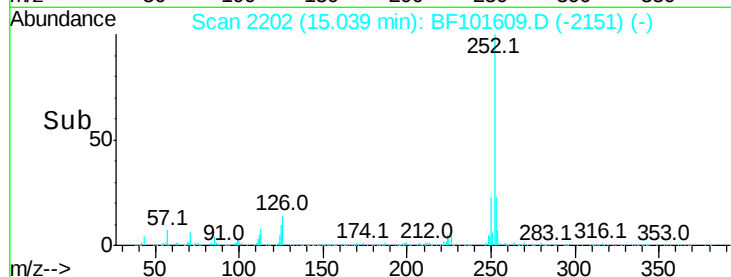
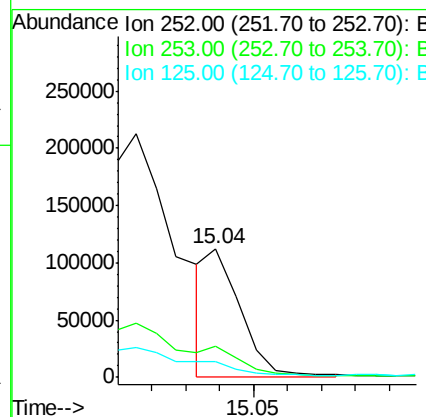
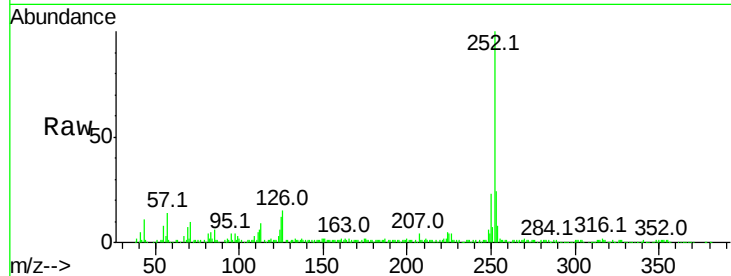
ClientSampleId :

RT4008-RT3867-RT3075

Tot Ion:	252	Resp:	77767
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	12.0	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 13.784 ng

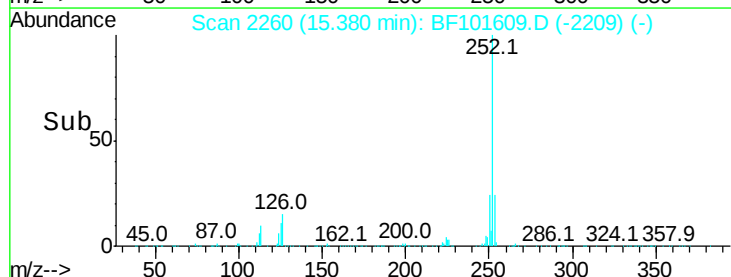
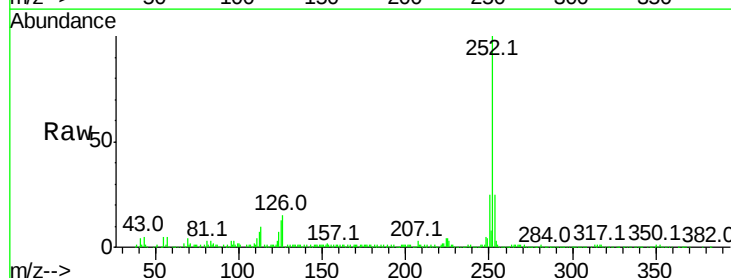
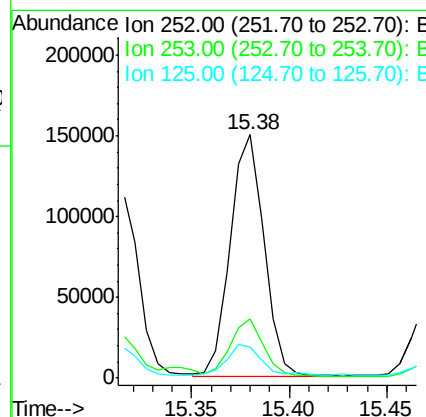
RT: 15.38 min Scan# 2260

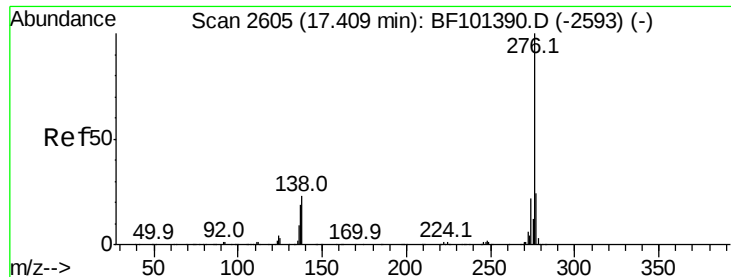
Delta R.T. -0.00 min

Lab File: BF101609.D

Acq: 21 Dec 2017 16:17

Tgt Ion:	252	Resp:	181173
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.1	25.7
125	12.6	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 7.383 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF101609.D
Acq: 21 Dec 2017 16:17

Instrument :
BNA_F
ClientSampleId :
RT4008-RT3867-RT3075

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	25.3	21.8	32.8

Manual Integrations
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