

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104791.D
 Acq On : 25 Apr 2018 16:19
 Operator : JU/SJ
 Sample : J2505-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Manual Integrations
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Quant Time: Apr 26 11:20:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129215	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	539327	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	237984	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	374664	20.00	ng	0.00
75) Chrysene-d12	13.98	240	221831	20.00	ng	0.00
86) Perylene-d12	15.45	264	206428	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	833204	98.60	ng	0.00
7) Phenol-d6	6.45	99	1018134	98.06	ng	0.00
23) Nitrobenzene-d5	7.37	82	651664	78.90	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	230343	93.31	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1029520	68.34	ng	0.00
78) Terphenyl-d14	12.92	244	725879	74.60	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	154442	8.229	ng	100
70) Phenanthrene	11.36	178	306973	14.712	ng	98
71) Anthracene	11.40	178	93438	4.406	ng	99
74) Fluoranthene	12.55	202	415125	19.043	ng	98
77) Pyrene	12.78	202	337474	20.524	ng	98
80) Benzo(a)anthracene	13.97	228	137638	10.386	ng	98
82) Chrysene	14.00	228	108099	7.941	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	37669	3.258	ng	92
87) Benzo(b)fluoranthene	15.03	252	125932m	9.659	ng	
88) Benzo(k)fluoranthene	15.05	252	35599m	2.892	ng	
89) Benzo(a)pyrene	15.39	252	81513	6.988	ng	# 95
91) Benzo(a,h,i)perylene	17.35	276	37857	4.078	ng	97

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

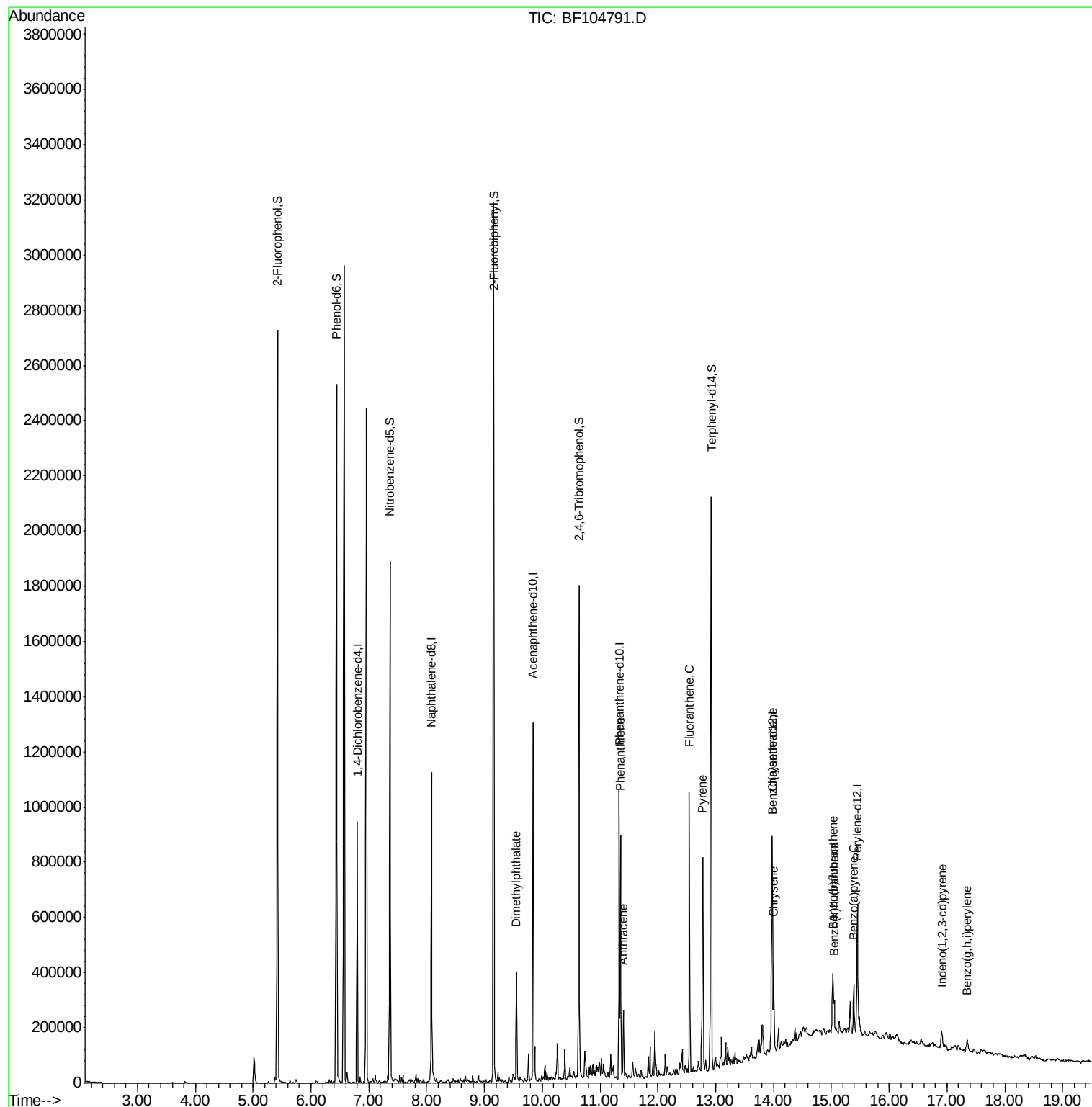
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
Data File : BF104791.D
Acq On : 25 Apr 2018 16:19
Operator : JU/SJ
Sample : J2505-04
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
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S-2-COMP

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

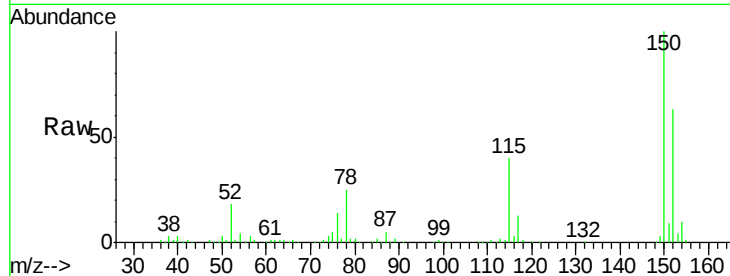
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

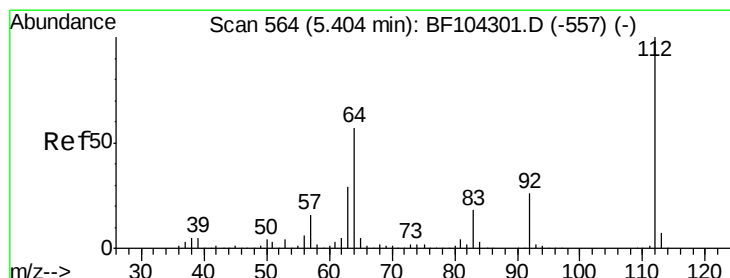
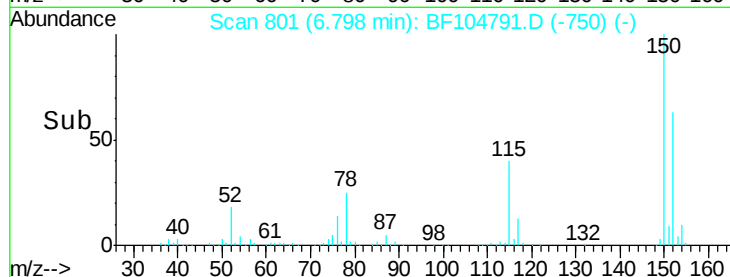
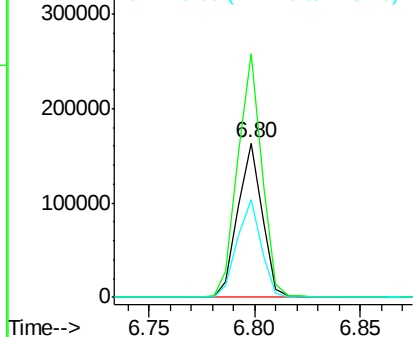
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	63.4	50.1	75.1

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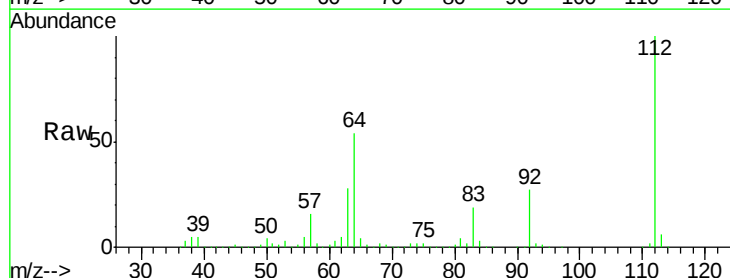
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



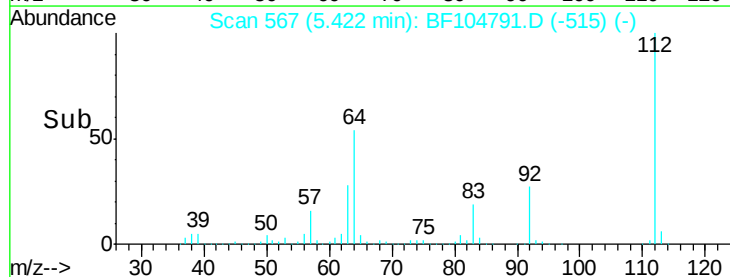
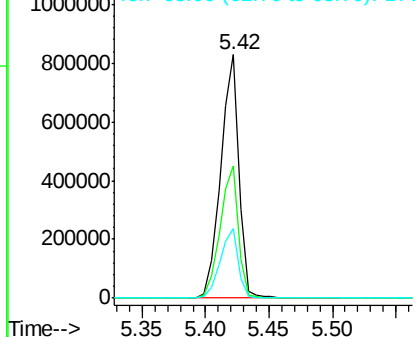
#5

2-Fluorophenol
Concen: 98.597 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	28.4	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: 98.057 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

ClientSampleId :

S-2-COMP

Tot Ion: 99 Resp: 1018134

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

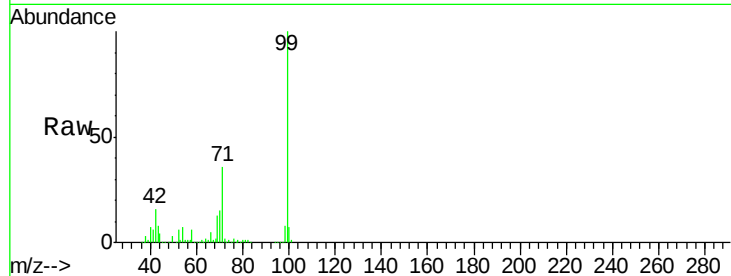
71 35.6 25.4 38.0

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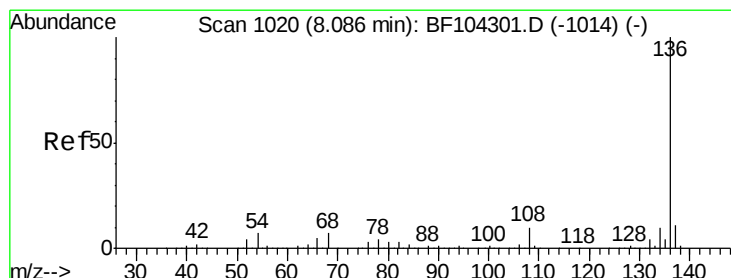
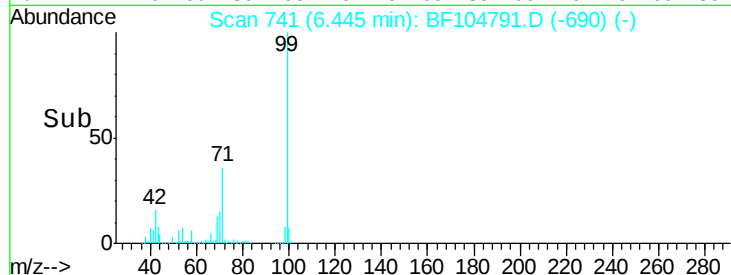
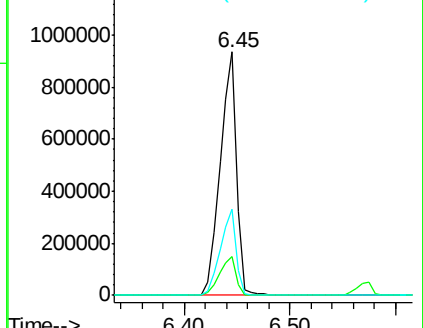
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Tgt Ion: 136 Resp: 539327

Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.8 6.6 9.8

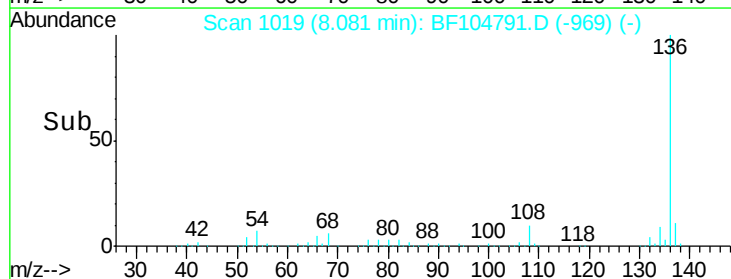
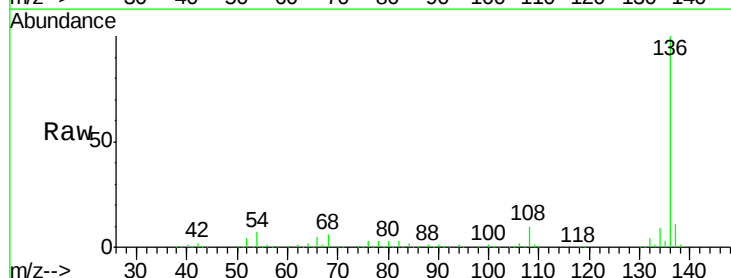
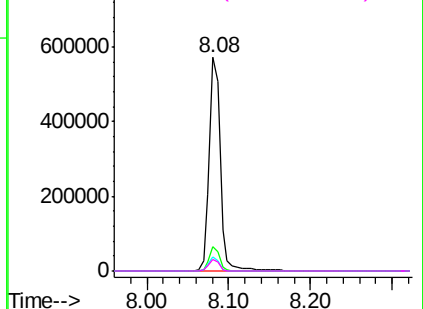
68 5.5 5.0 7.4

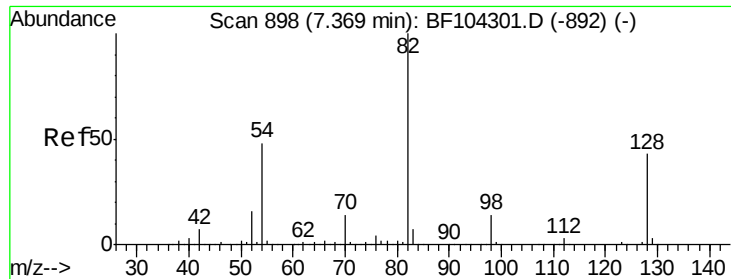
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





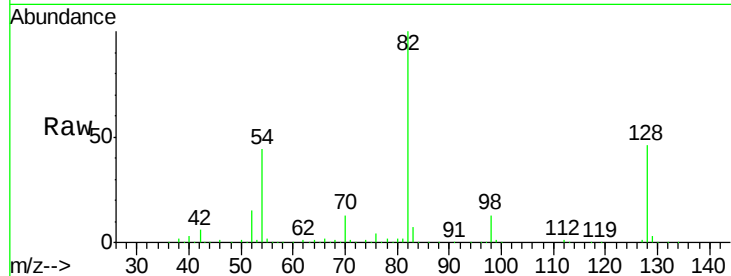
#23
Nitrobenzene-d5
Concen: 78.899 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampled :
S-2-COMP

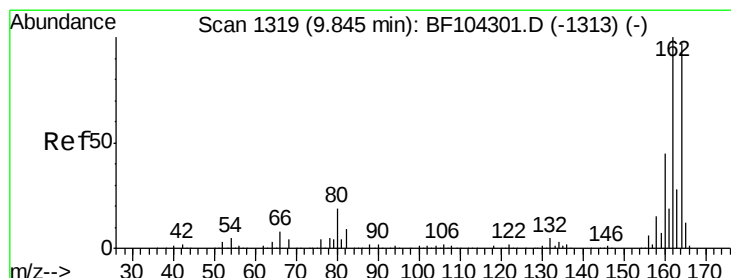
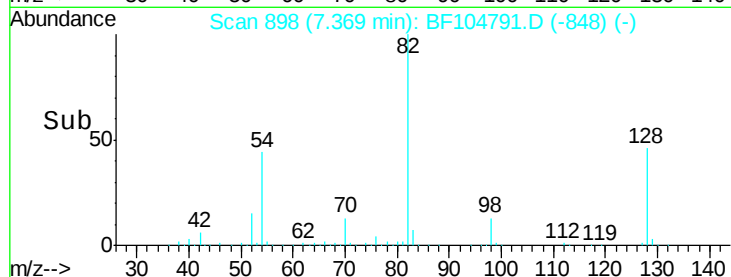
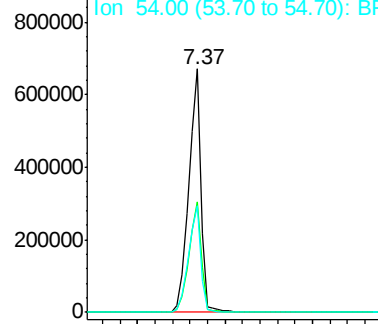
Tot Ion	Ratio	Resp	Lower	Upper
82	100	651664		
128	45.6	36.1	54.1	
54	44.0	41.4	62.2	

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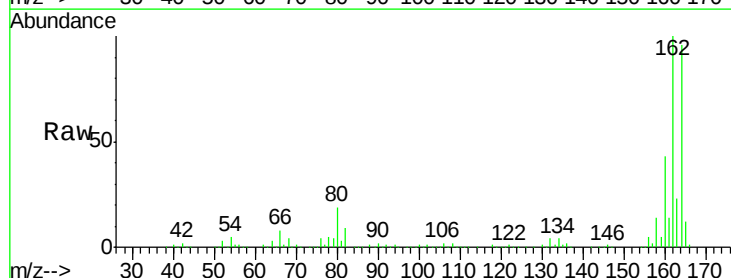


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

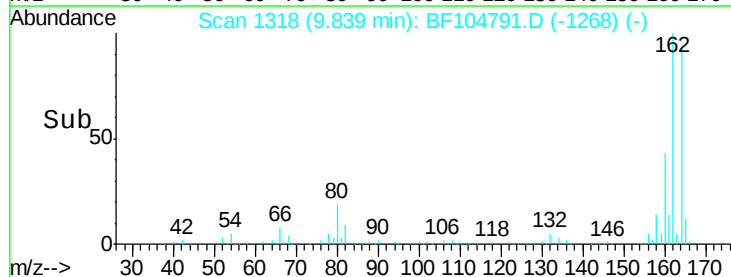
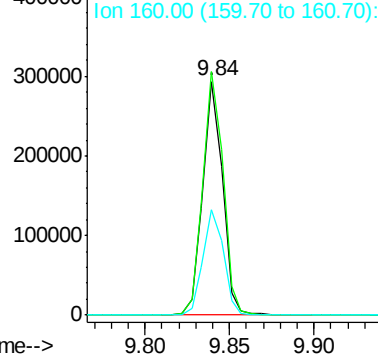


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	237984		
162	104.2	86.1	129.1	
160	44.9	38.3	57.5	



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





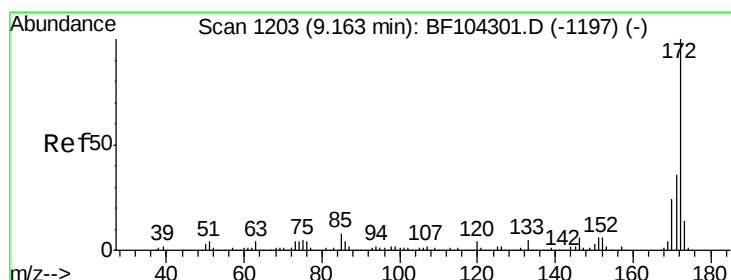
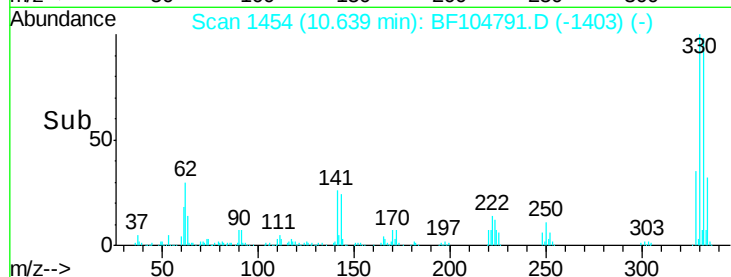
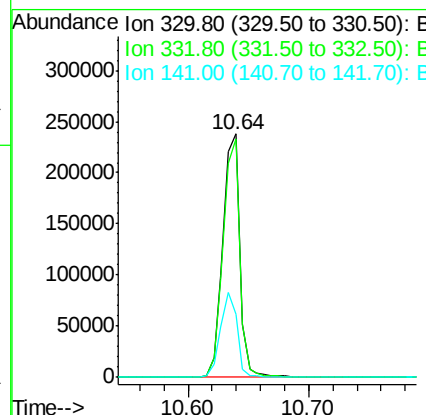
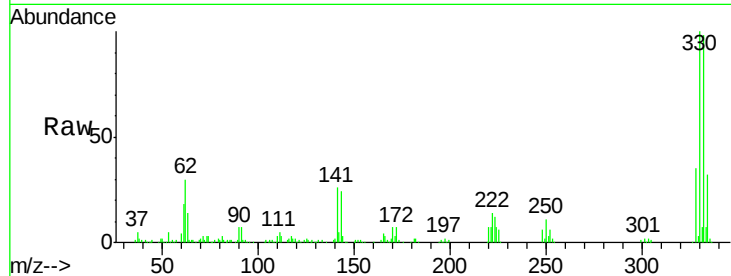
#41
 2,4,6-Tribromophenol
 Concen: 93.306 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104791.D
 Acq: 25 Apr 2018 16:19

Instrument :
 BNA_F
 ClientSampleId :
 S-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	230343		
332	96.5	77.0	115.6	
141	34.7	29.9	44.9	

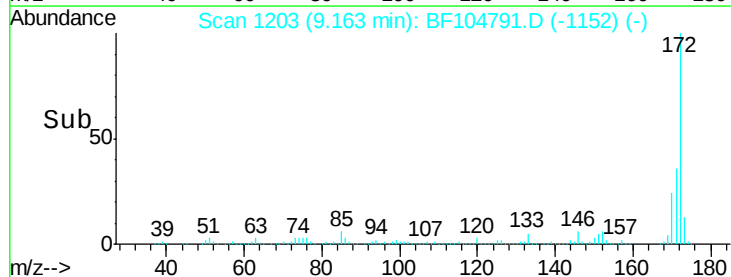
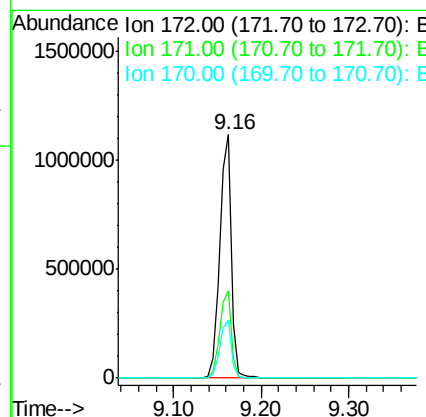
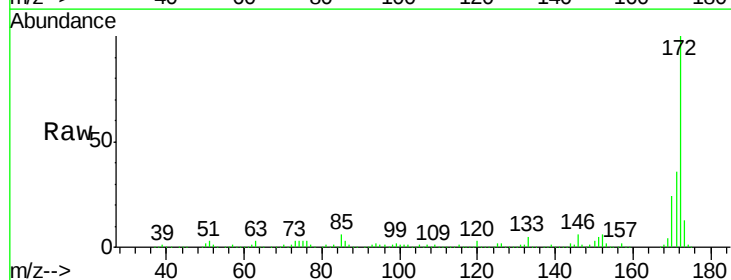
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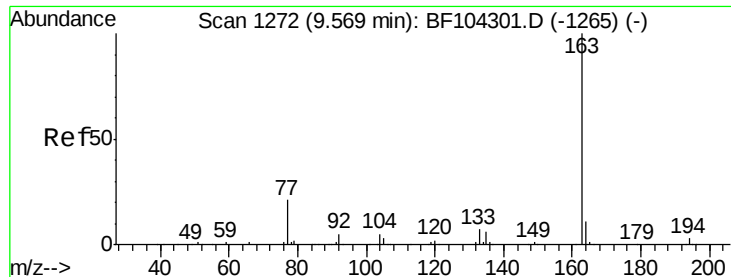
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#44
 2-Fluorobiphenyl
 Concen: 68.340 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104791.D
 Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1029520		
171	35.9	29.7	44.5	
170	23.8	19.6	29.4	





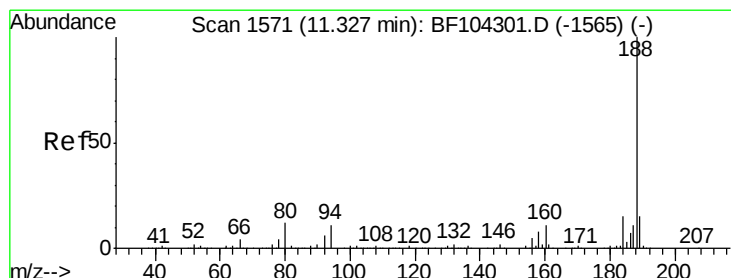
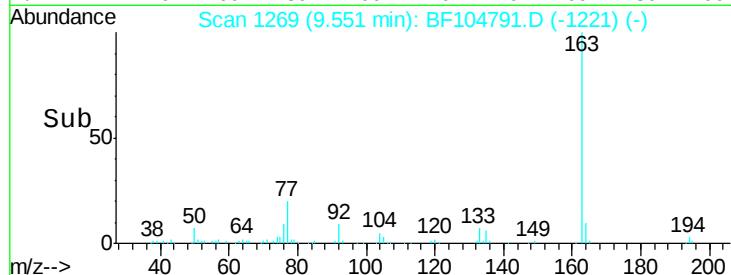
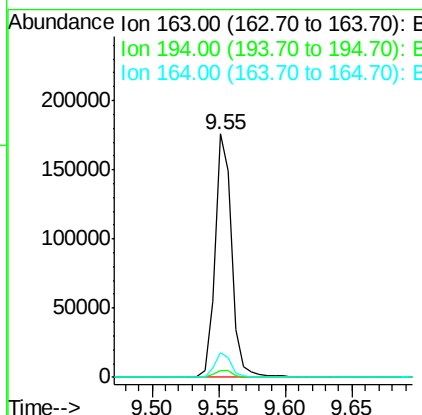
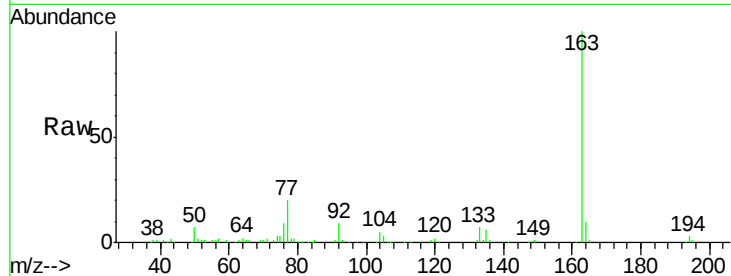
#49
Dimethylphthalate
Concen: 8.229 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	154442		
194	3.1		2.7	4.1
164	10.2		8.2	12.2

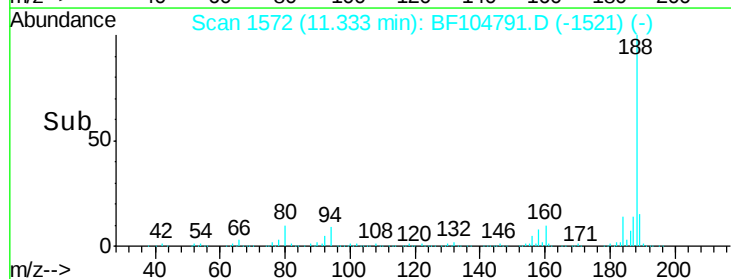
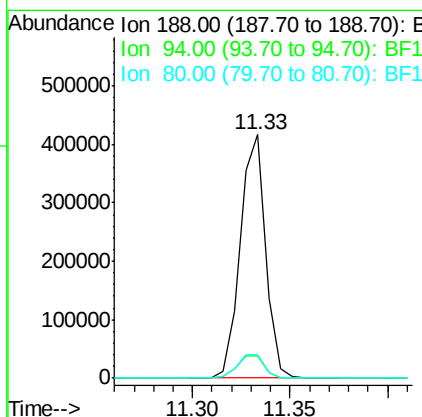
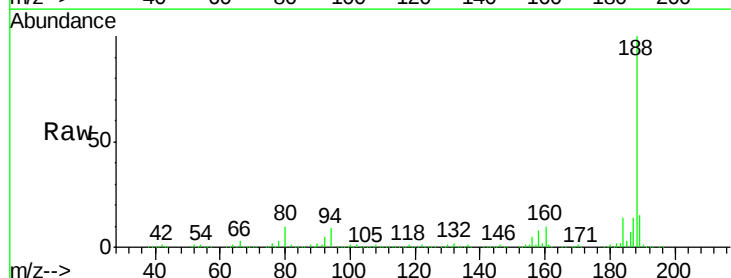
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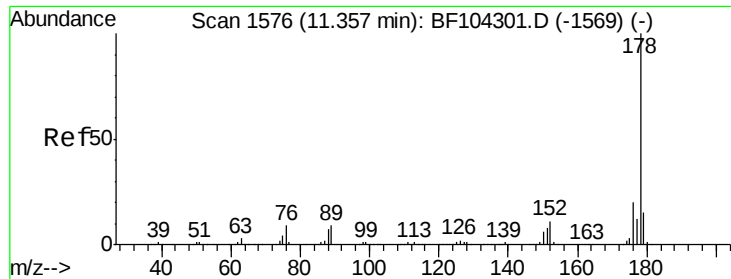
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	374664		
94	9.2		8.5	12.7
80	9.6		9.2	13.8





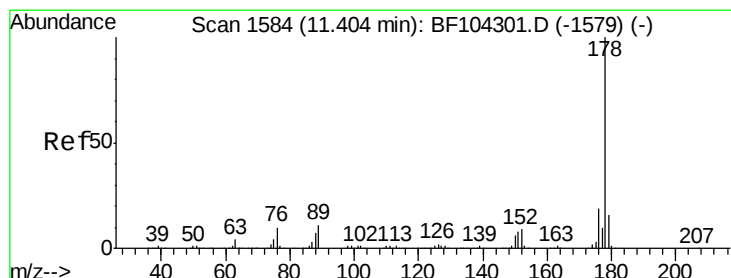
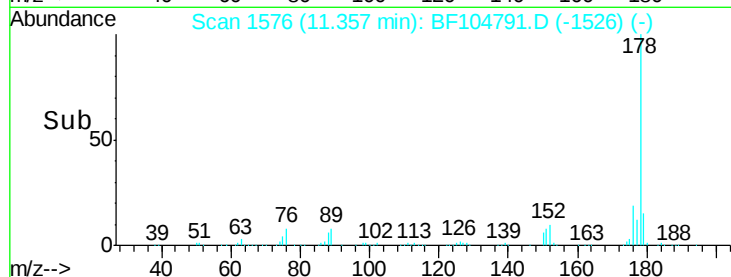
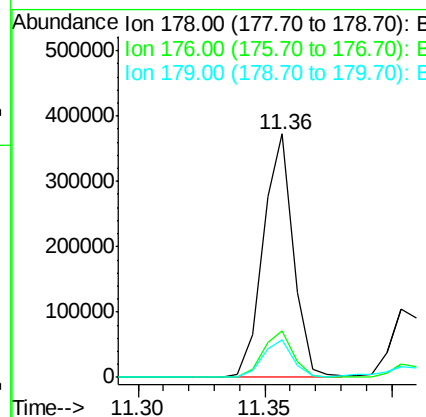
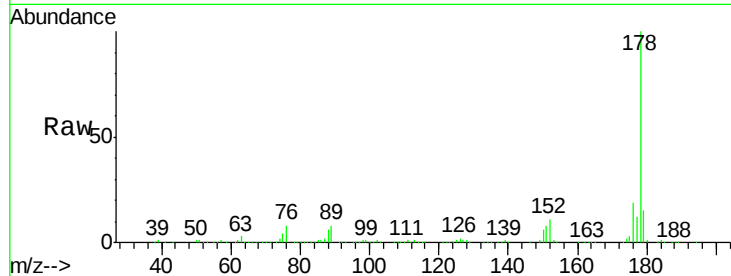
#70
Phenanthrene
Concen: 14.712 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampled :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.3	13.0	19.6

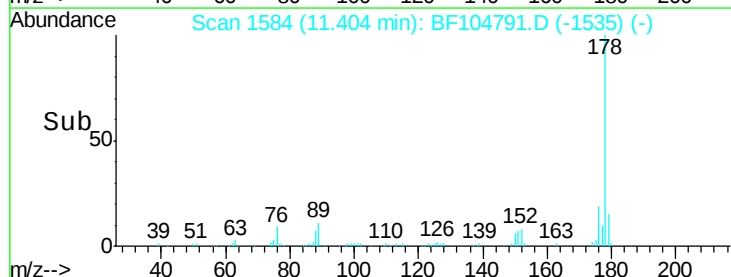
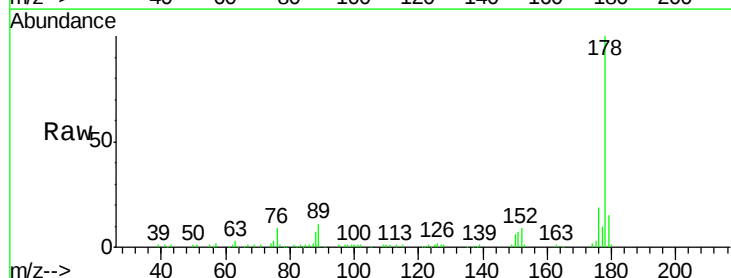
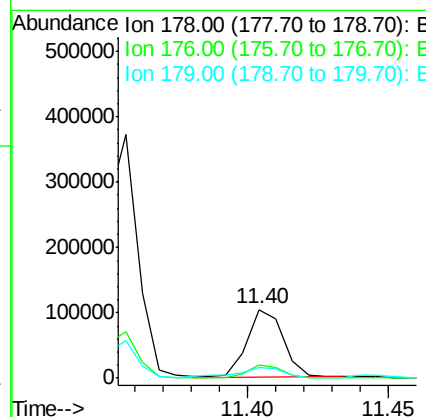
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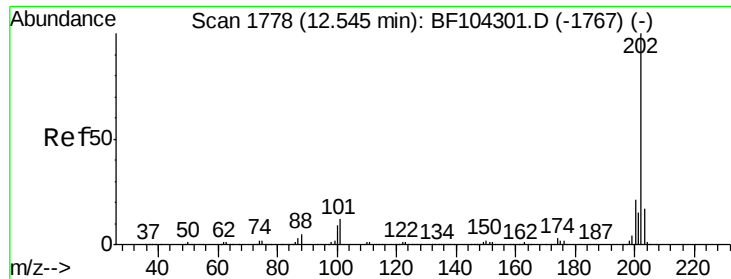
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#71
Anthracene
Concen: 4.406 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 19.043 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

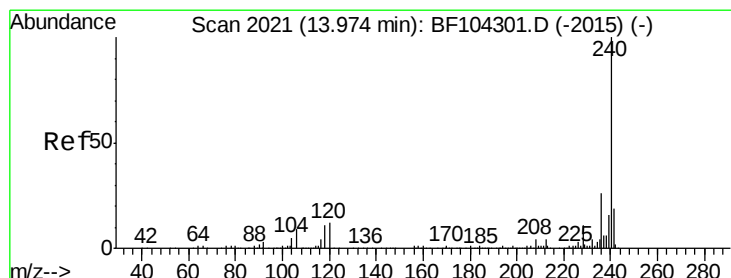
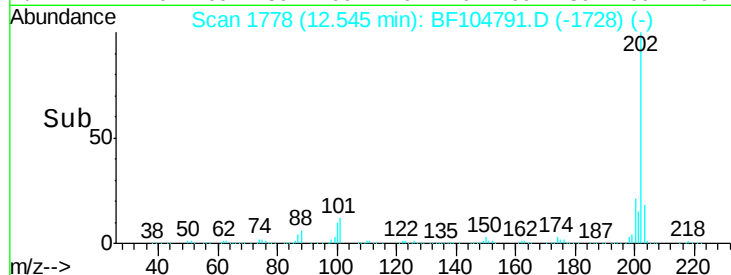
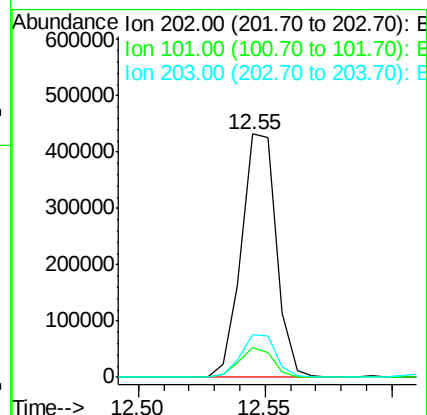
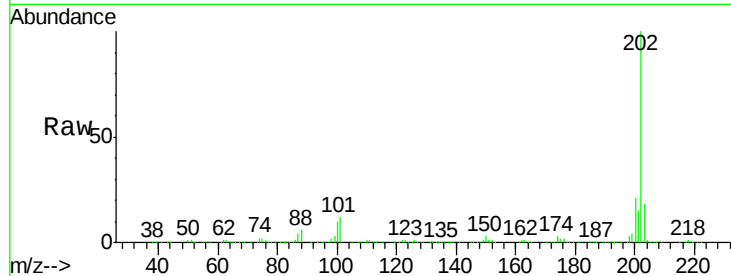
ClientSampled :

S-2-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		415125		
101	12.5	0.0	34.1		
203	17.7	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

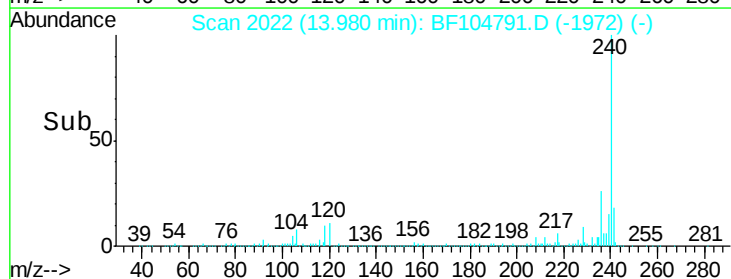
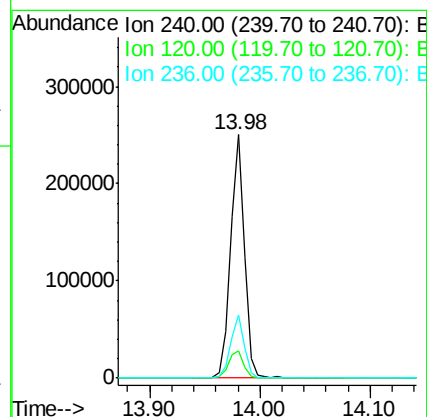
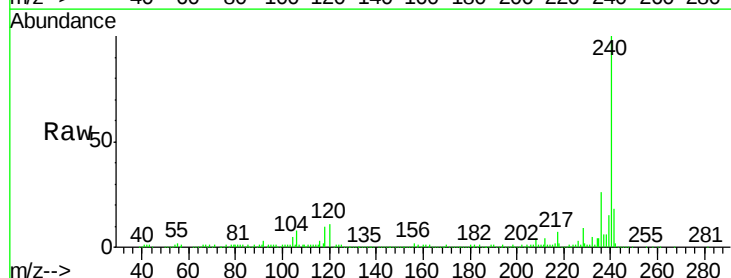
RT: 13.98 min Scan# 2022

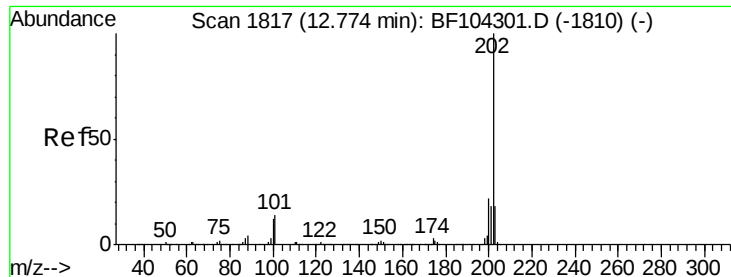
Delta R.T. -0.01 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		221831		
120	11.0	9.5	14.3		
236	26.0	20.7	31.1		





#77

Pvrene

Concen: 20.524 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

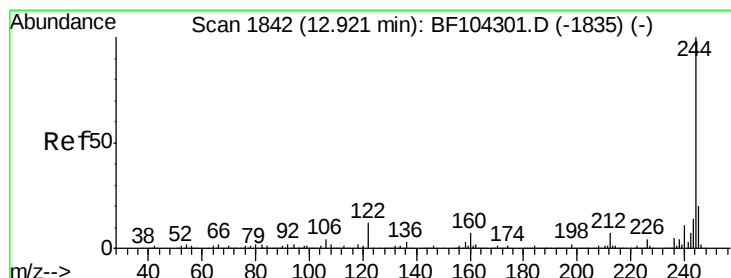
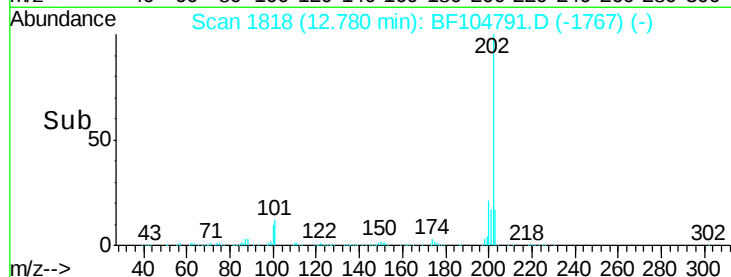
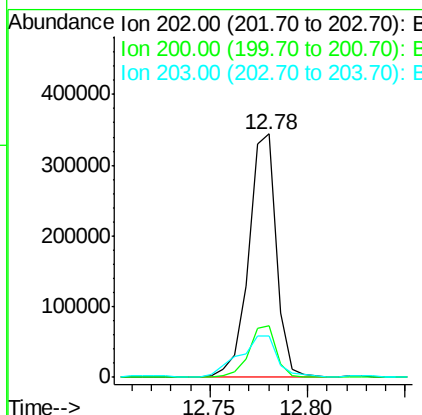
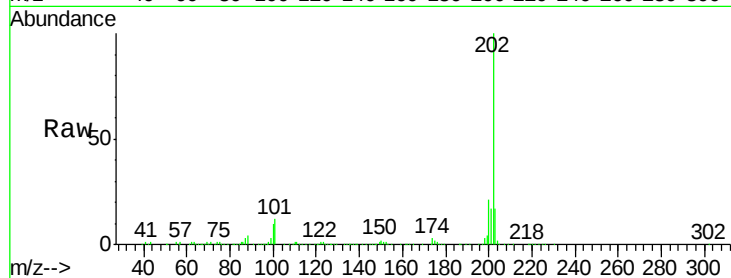
ClientSampleId :

S-2-COMP

Tot Ion:	202	Resp:	337474
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	16.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 74.601 ng

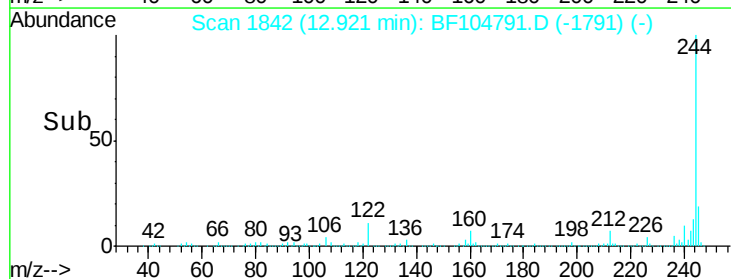
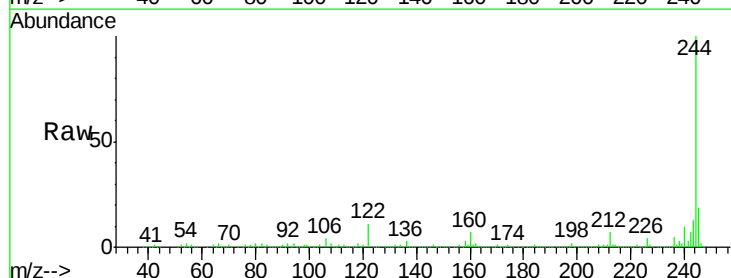
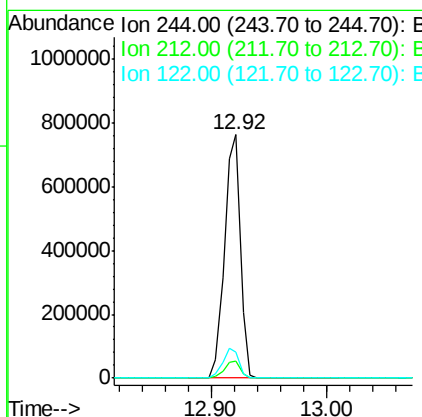
RT: 12.92 min Scan# 1842

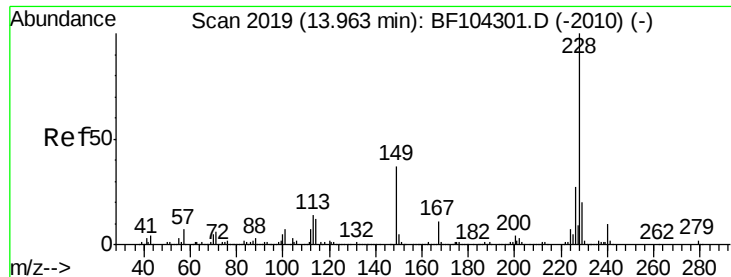
Delta R.T. -0.00 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Tgt Ion:	244	Resp:	725879
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	10.9	11.0	16.4#





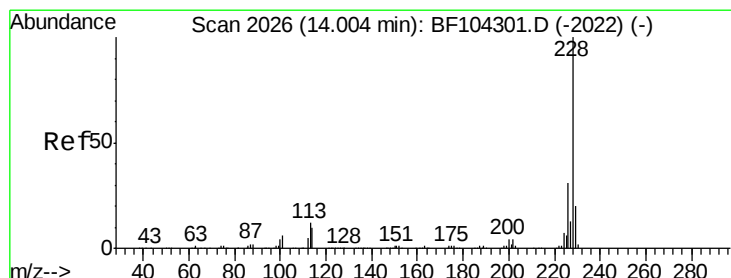
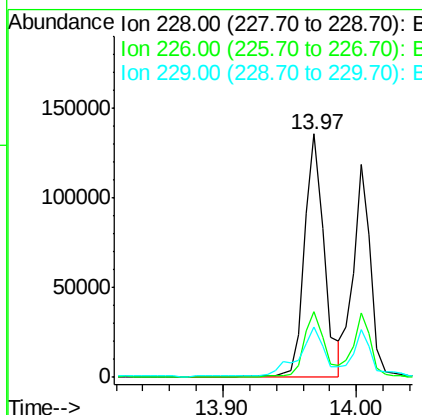
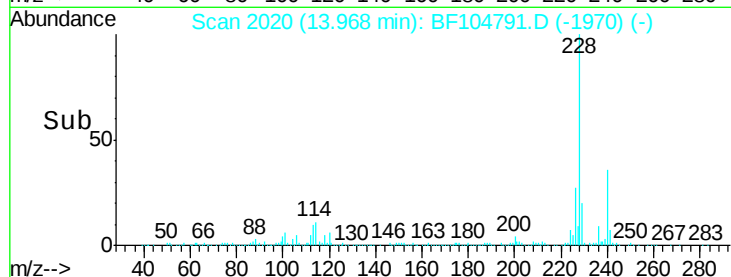
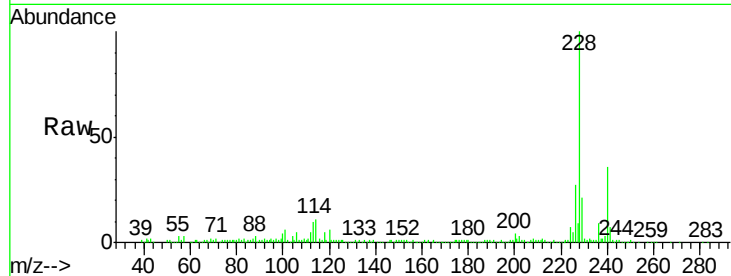
#80
Benzo(a)anthracene
Concen: 10.386 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.8	15.8	23.6

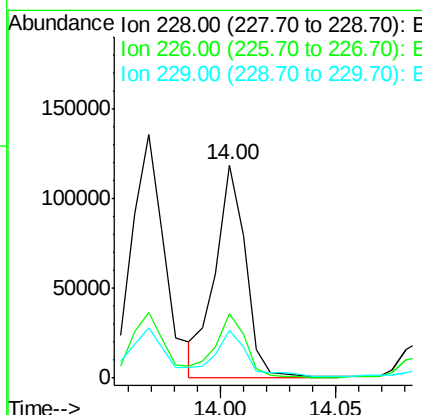
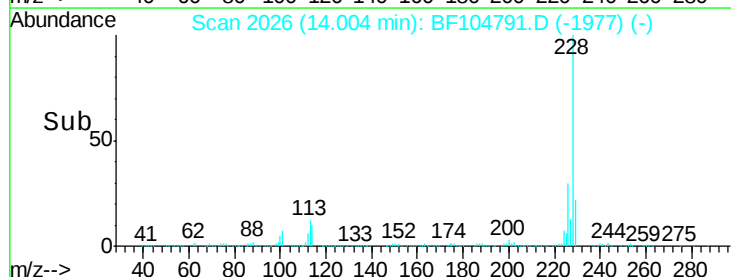
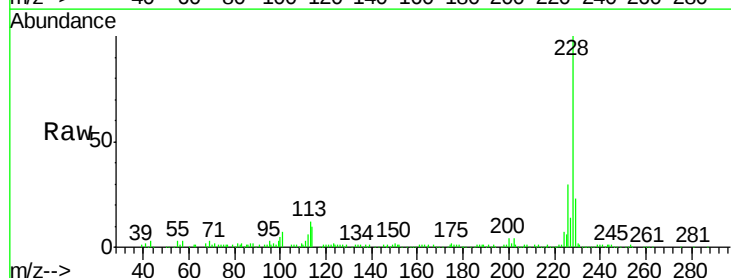
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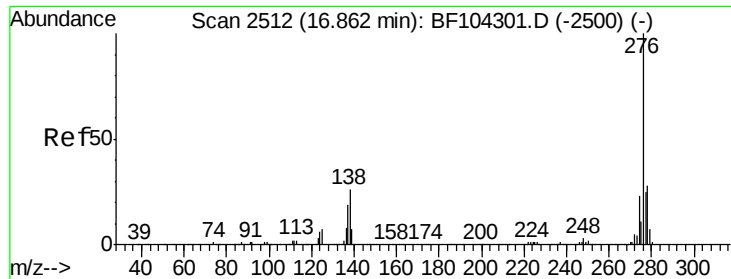
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#82
Chrysene
Concen: 7.941 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.6	16.2	24.4





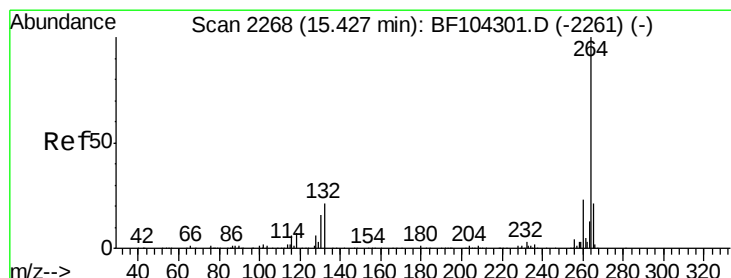
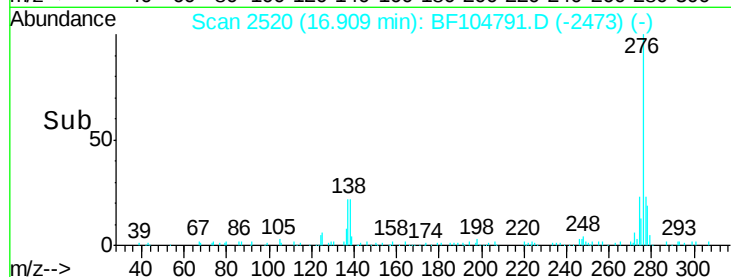
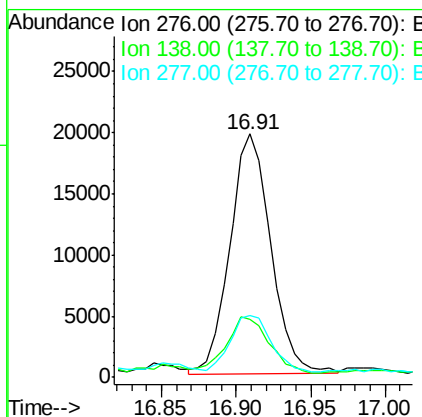
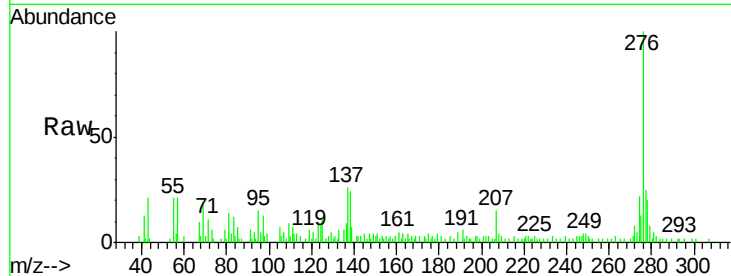
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.258 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampled :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	23.4	20.1	30.1

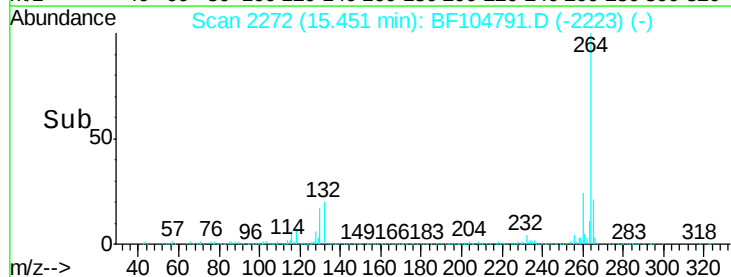
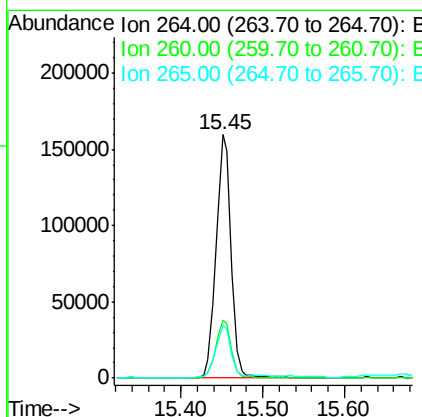
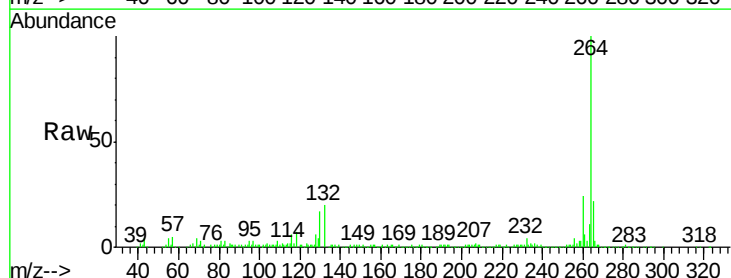
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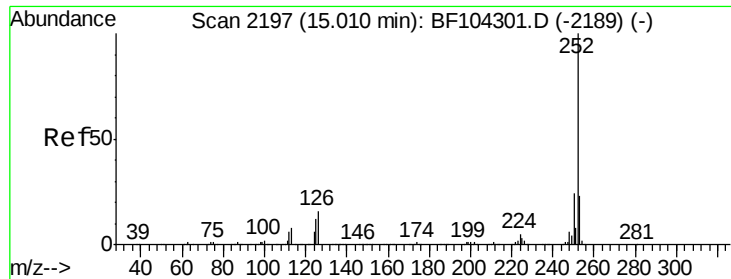
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.659 ng m

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Instrument :

BNA_F

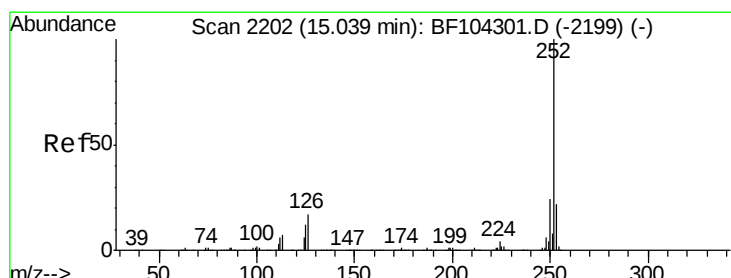
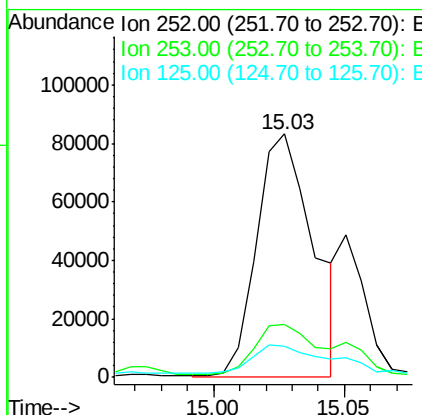
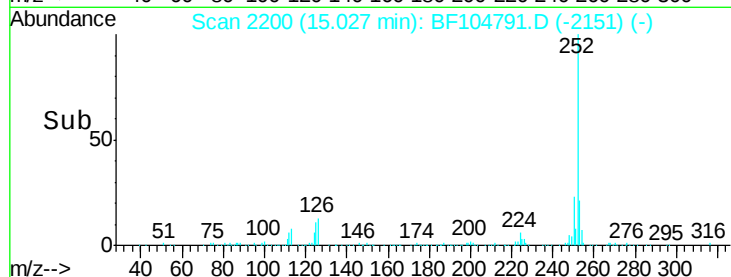
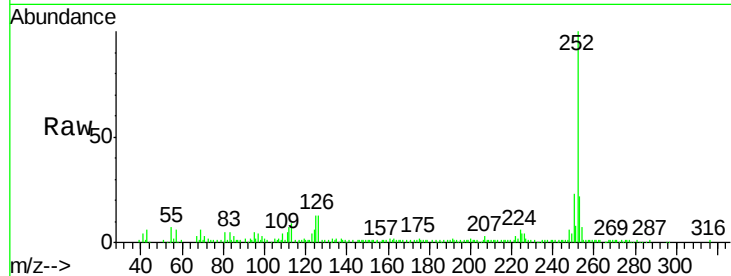
ClientSampled :

S-2-COMP

Tot Ion:	252	Resp:	125932
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.0	25.6
125	12.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 2.892 ng m

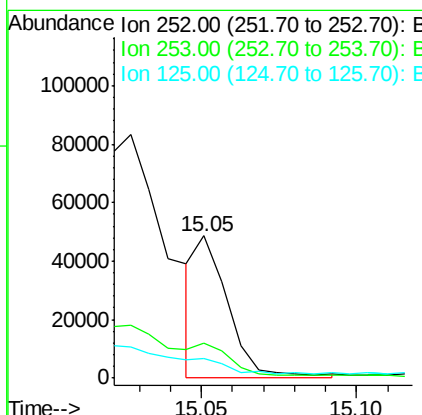
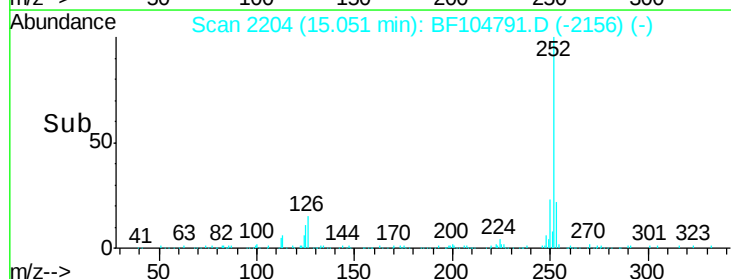
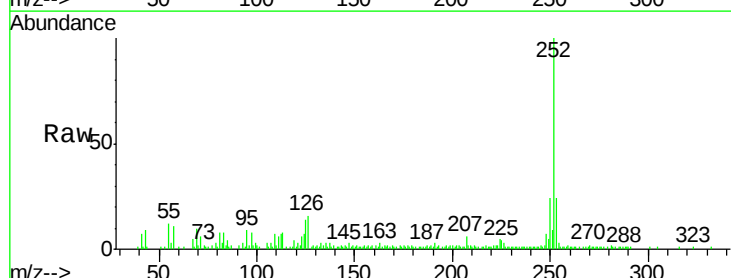
RT: 15.05 min Scan# 2204

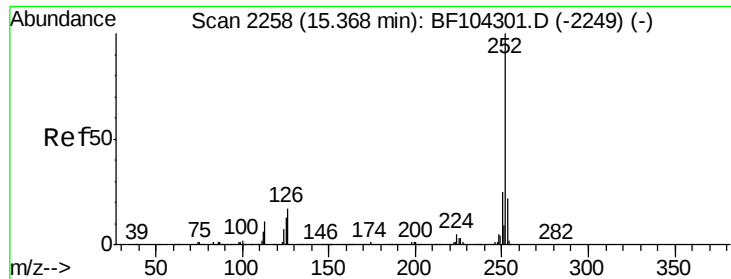
Delta R.T. -0.02 min

Lab File: BF104791.D

Acq: 25 Apr 2018 16:19

Tgt Ion:	252	Resp:	35599
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	13.6	10.2	15.2





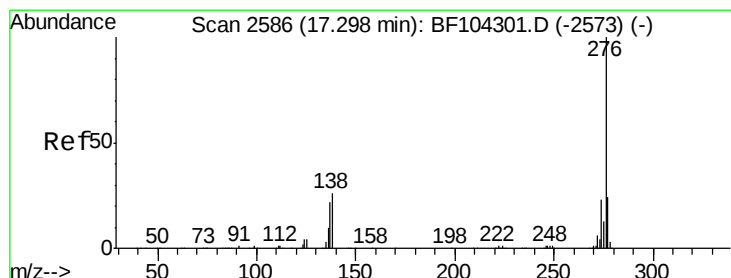
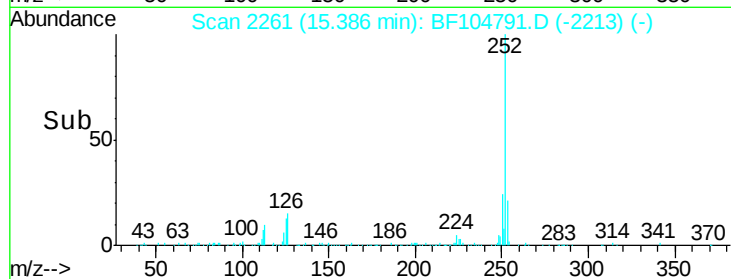
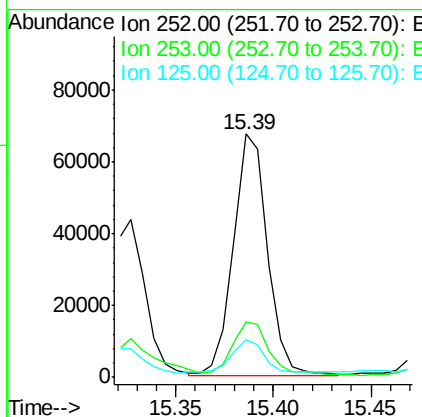
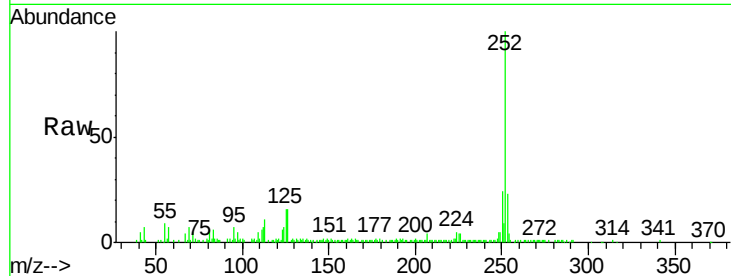
#89
Benzo(a)pyrene
Concen: 6.988 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Instrument :
BNA_F
ClientSampleId :
S-2-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	15.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.078 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104791.D
Acq: 25 Apr 2018 16:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	24.6	21.8	32.8

