

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104792.D
 Acq On : 25 Apr 2018 16:46
 Operator : JU/SJ
 Sample : J2505-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Manual Integrations
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Sohil
 4/26/2018 6:09:39 PM

Quant Time: Apr 26 11:26:37 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	122693	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	495739	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	217002	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	341766	20.00	ng	0.00
75) Chrysene-d12	13.98	240	215335	20.00	ng	0.00
86) Perylene-d12	15.45	264	186907	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	843592	105.13	ng	0.00
7) Phenol-d6	6.45	99	1032763	104.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	648257	85.39	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	230142	102.24	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	982033	71.49	ng	0.00
78) Terphenyl-d14	12.92	244	730608	77.35	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.80	142	53989	3.381	ng	97
49) Dimethylphthalate	9.55	163	170283	9.951	ng	99
57) Fluorene	10.39	166	29114	2.082	ng	94
70) Phenanthrene	11.36	178	176366	9.266	ng	96
71) Anthracene	11.40	178	47853	2.473	ng	97
74) Fluoranthene	12.55	202	181962	9.150	ng	98
77) Pyrene	12.78	202	162100	10.156	ng	99
80) Benzo(a)anthracene	13.97	228	78183	6.077	ng	97
82) Chrysene	14.00	228	69015m	5.223	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	24962	2.224	ng	93
87) Benzo(b)fluoranthene	15.02	252	70229m	5.949	ng	
88) Benzo(k)fluoranthene	15.05	252	26868m	2.411	ng	
89) Benzo(a)pyrene	15.39	252	51845	4.909	ng	# 83
91) Benzo(a,h,i)perylene	17.36	276	26839	3.193	ng	# 93

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

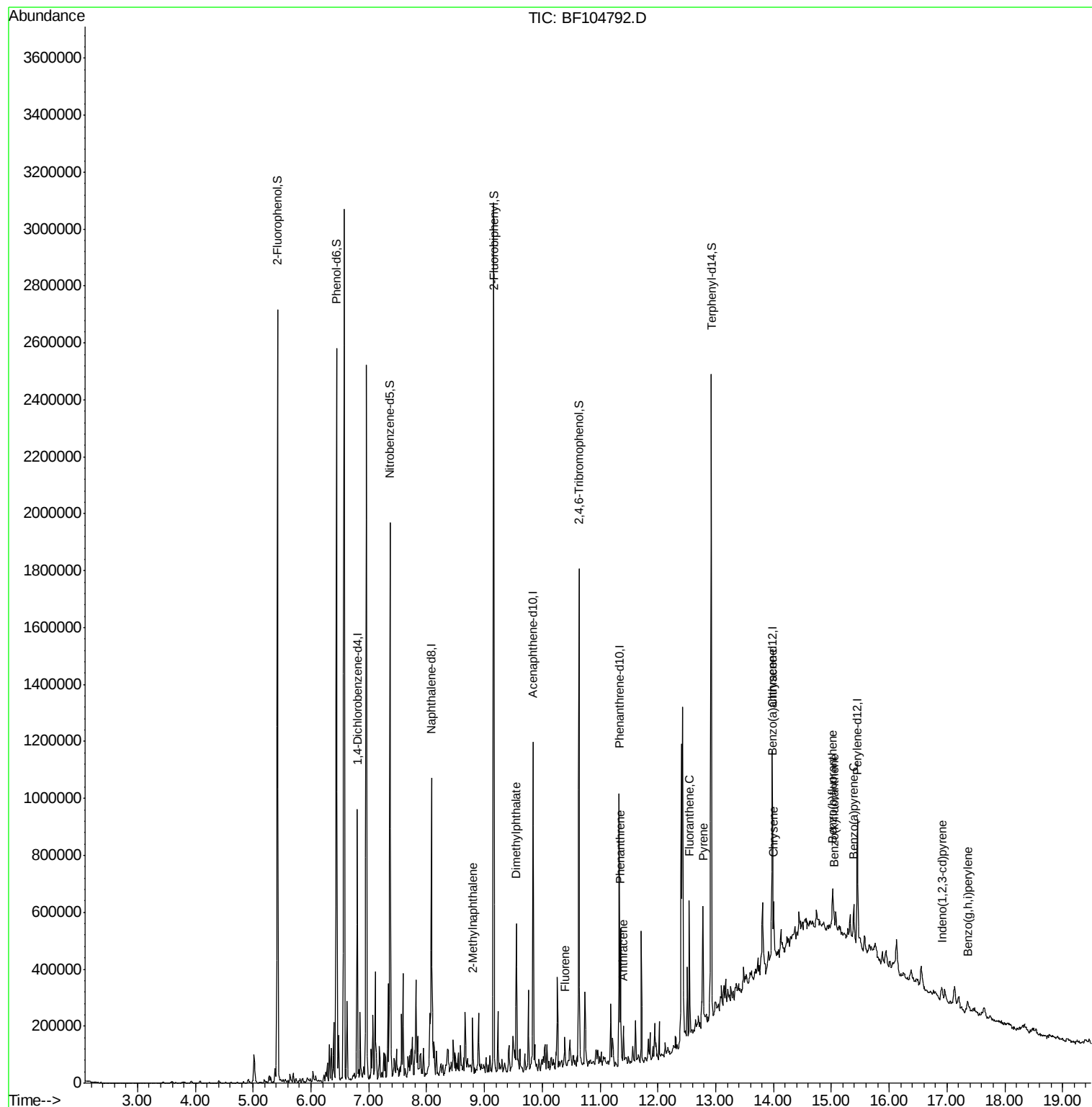
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
Data File : BF104792.D
Acq On : 25 Apr 2018 16:46
Operator : JU/SJ
Sample : J2505-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

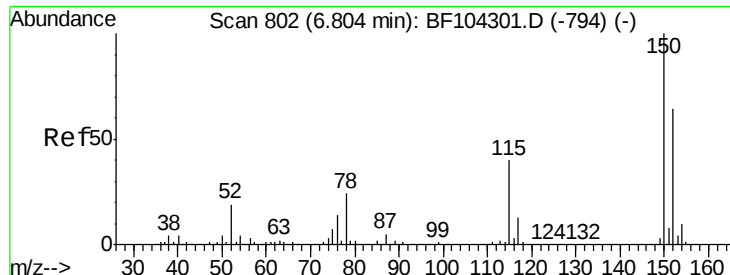
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Apr 26 11:26:37 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

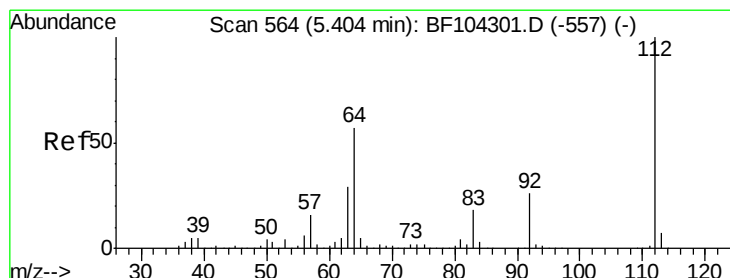
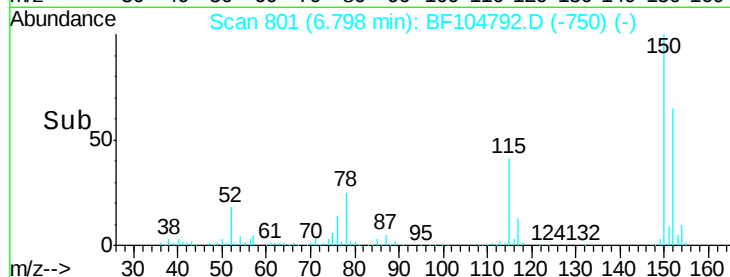
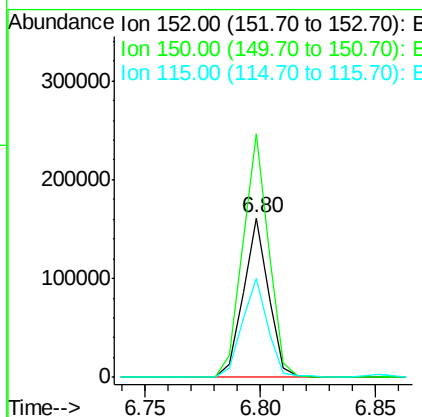
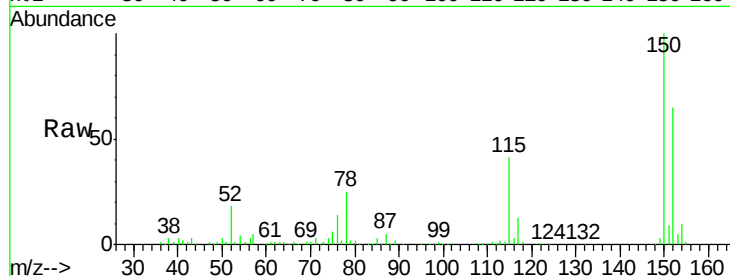
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	61.9	50.1	75.1

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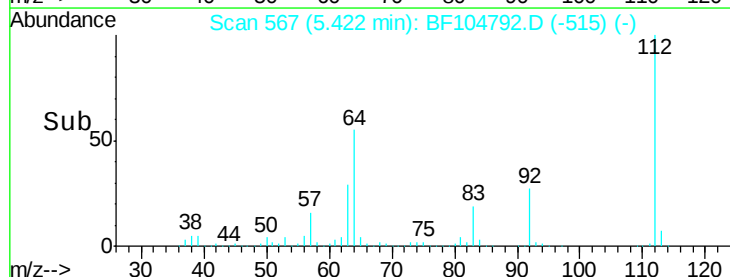
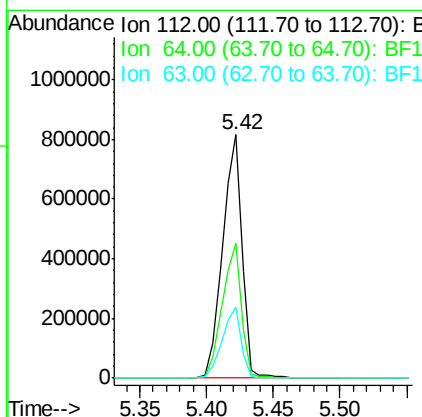
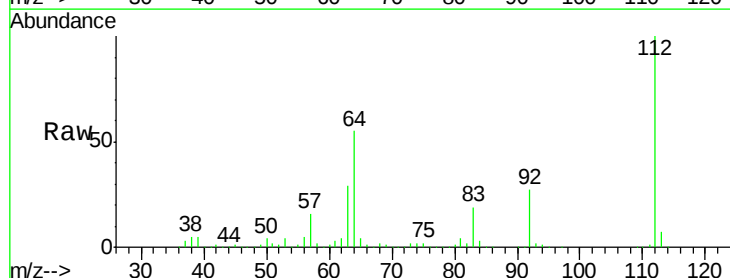
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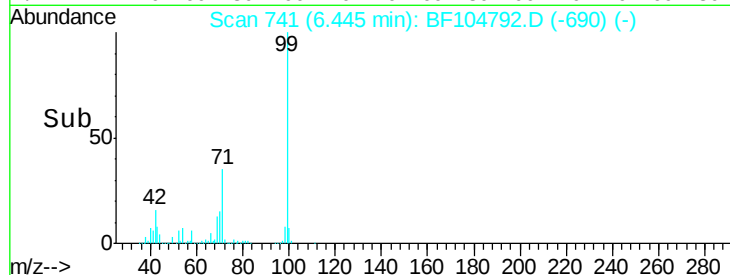
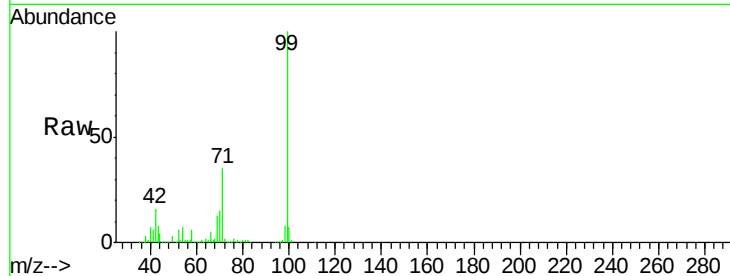
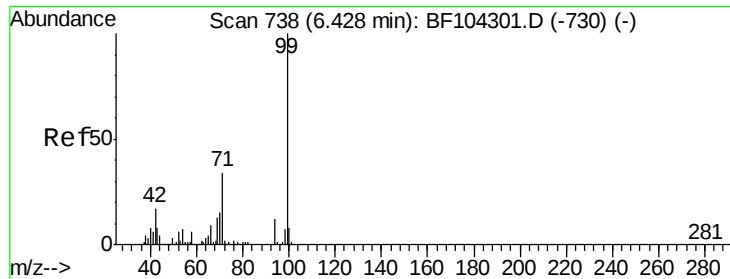


#5

2-Fluorophenol
Concen: 105.132 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 104.753 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Tot Ion: 99 Resp: 1032763

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 34.8 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

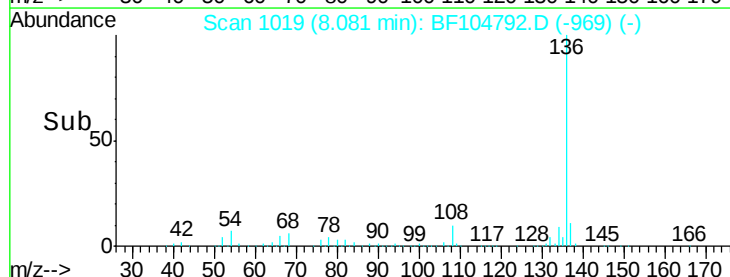
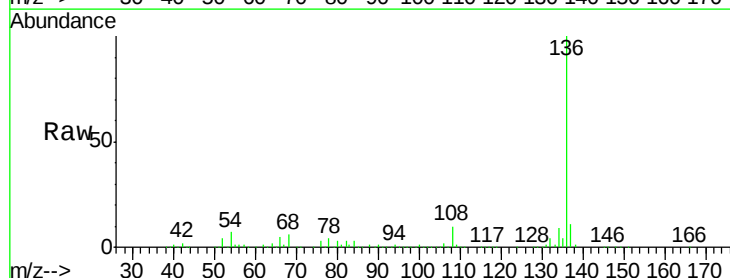
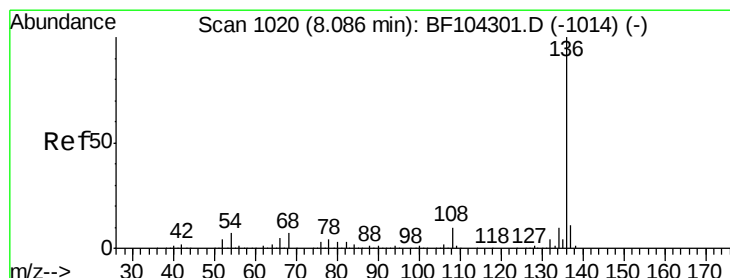
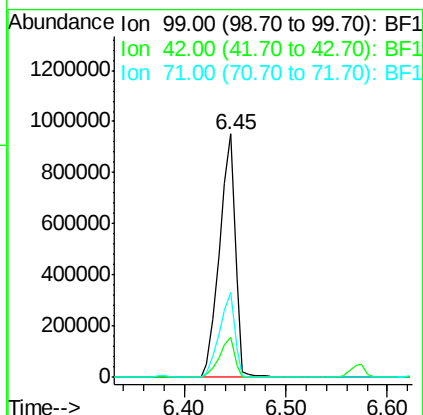
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Tgt Ion: 136 Resp: 495739

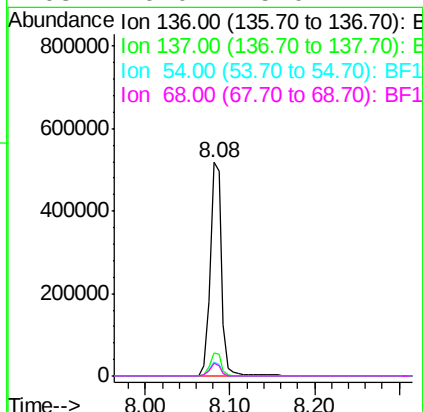
Ion Ratio Lower Upper

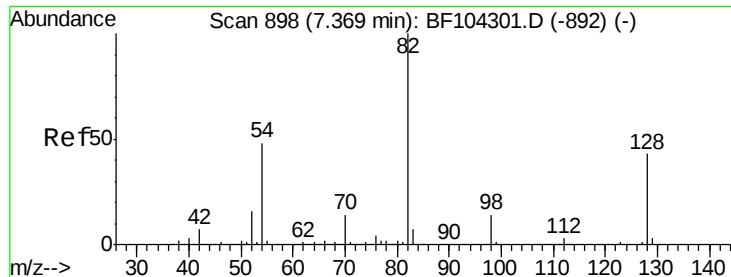
136 100

137 11.0 8.9 13.3

54 6.8 6.6 9.8

68 6.0 5.0 7.4





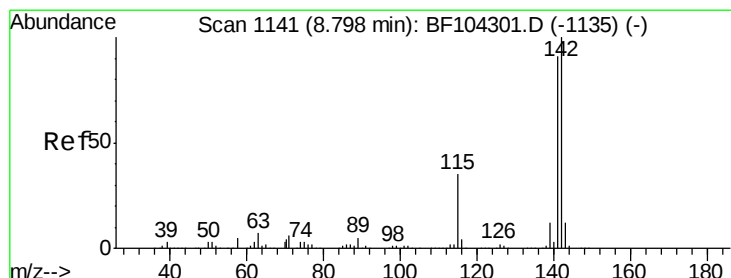
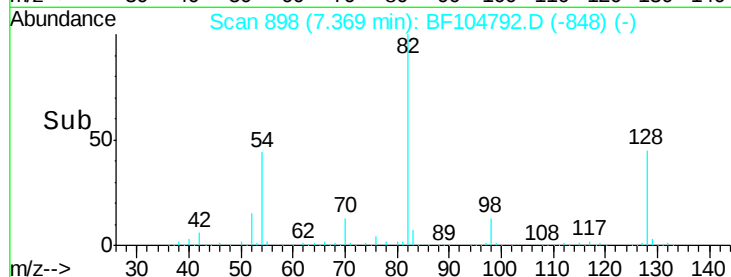
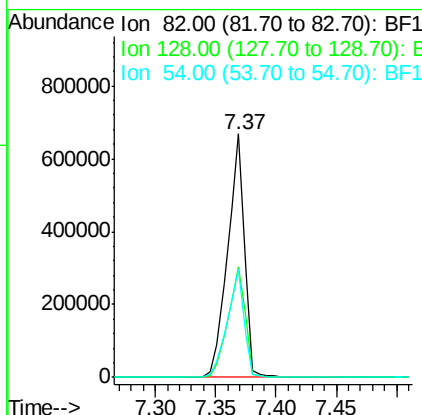
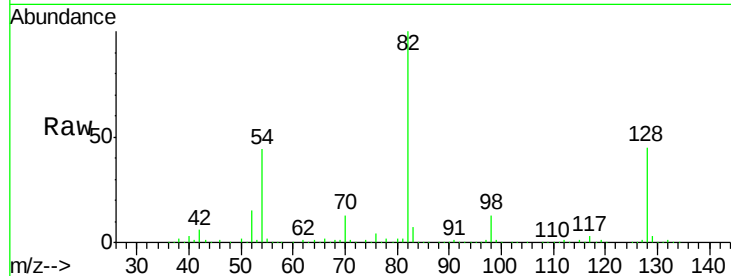
#23
Nitrobenzene-d5
Concen: 85.388 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.1	54.1	
54	44.4	41.4	62.2	

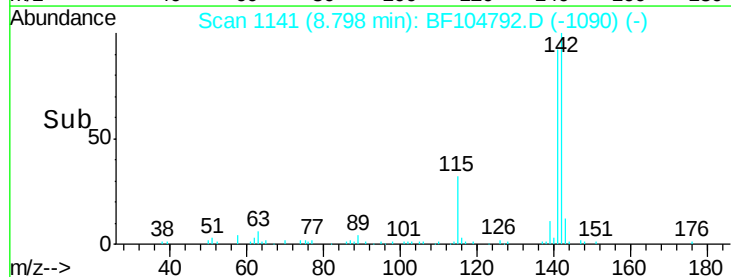
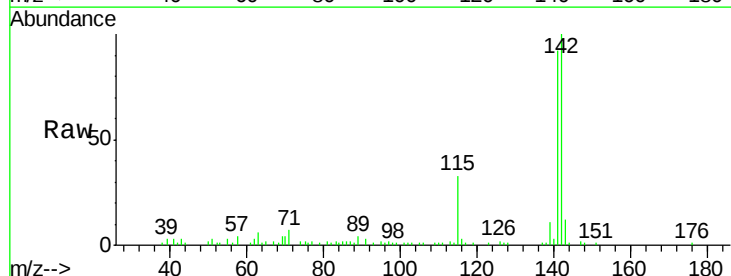
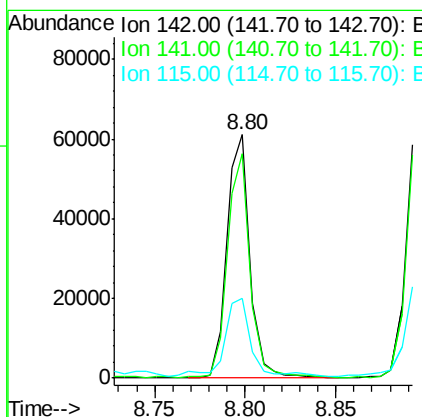
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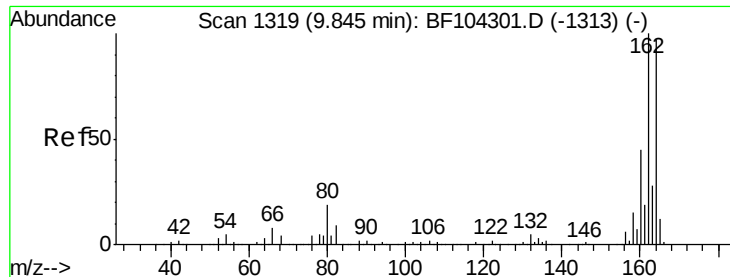
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#37
2-Methylnaphthalene
Concen: 3.381 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	92.4	70.8	106.2	
115	32.7	26.1	39.1	





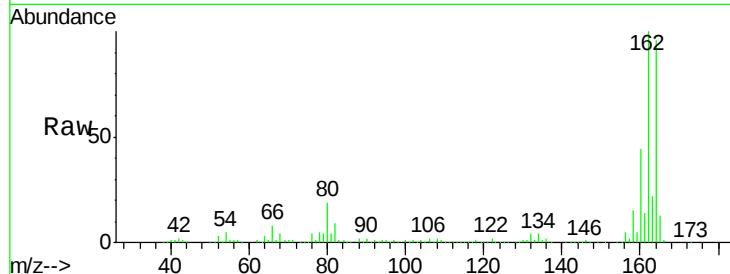
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104792.D
 Acq: 25 Apr 2018 16:46

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

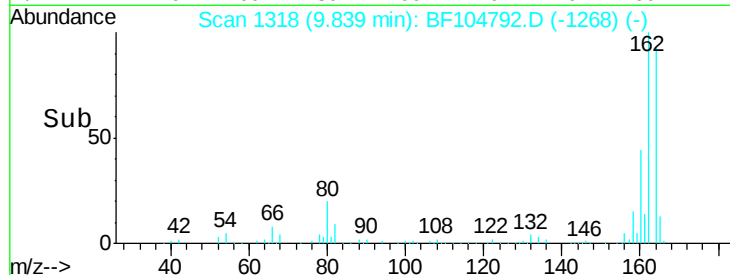
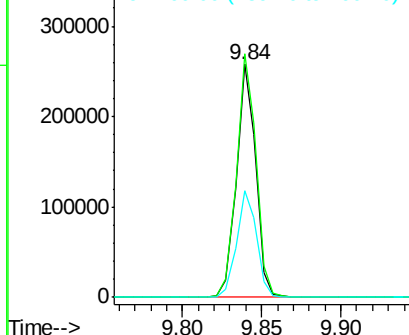
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.6	86.1	129.1	
160	45.7	38.3	57.5	

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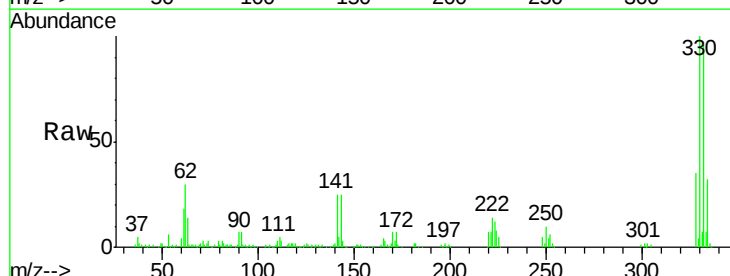
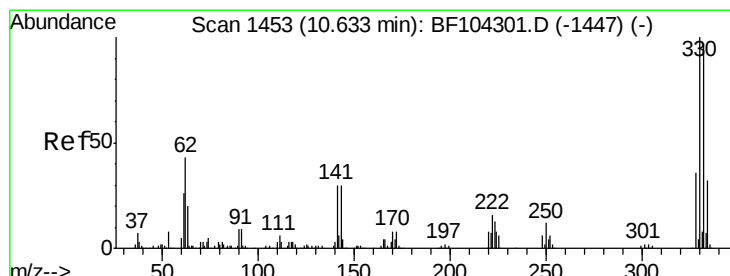
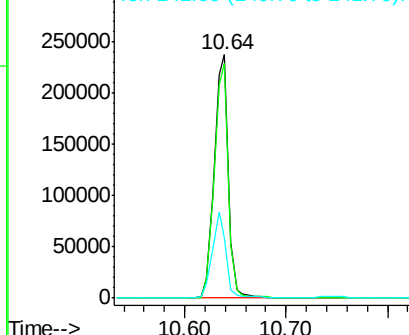
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

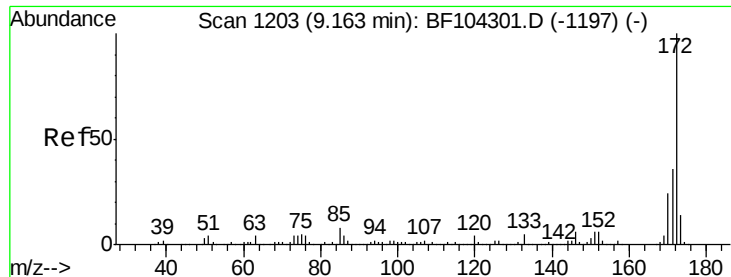


#41
 2,4,6-Tribromophenol
 Concen: 102.239 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104792.D
 Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.0	115.6	
141	33.8	29.9	44.9	

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





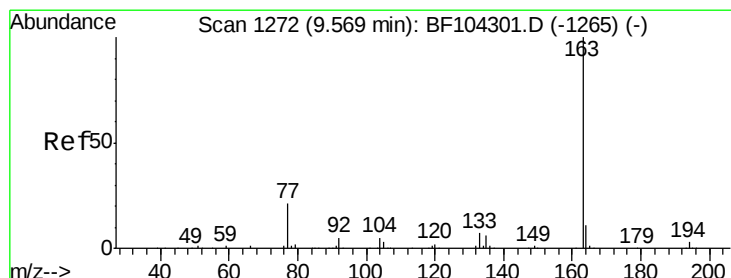
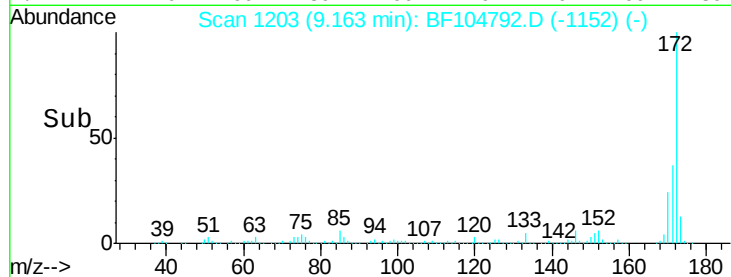
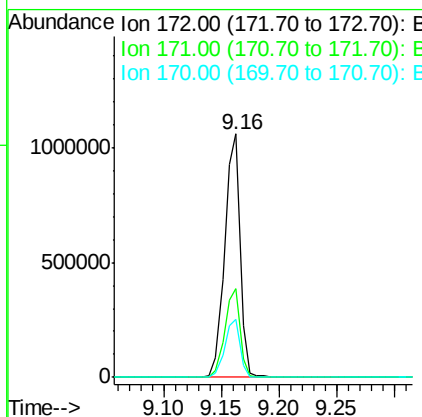
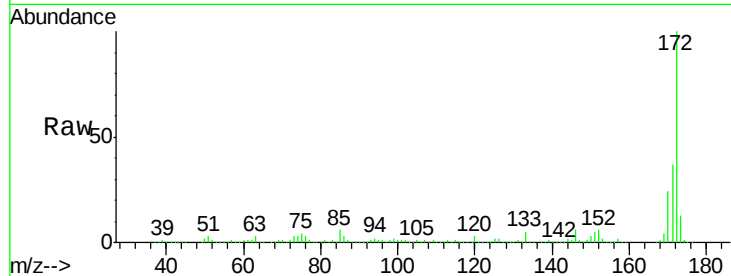
#44
2-Fluorobiphenyl
Concen: 71.491 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Instrument :
BNA_F
ClientSampled :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	23.9	19.6	29.4

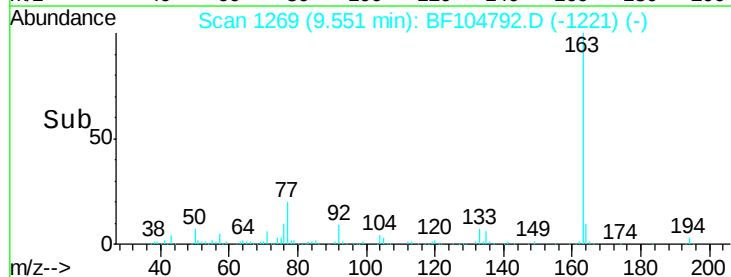
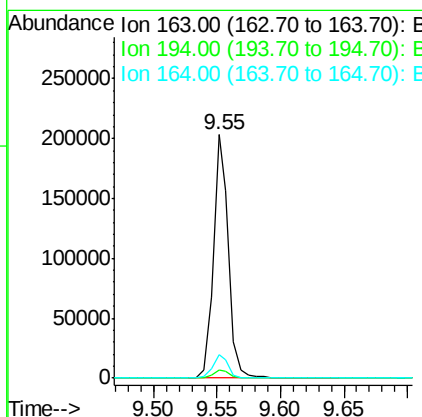
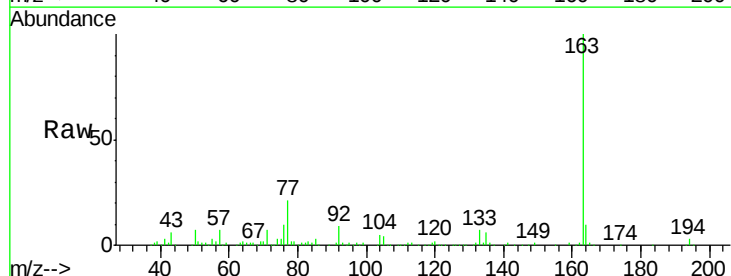
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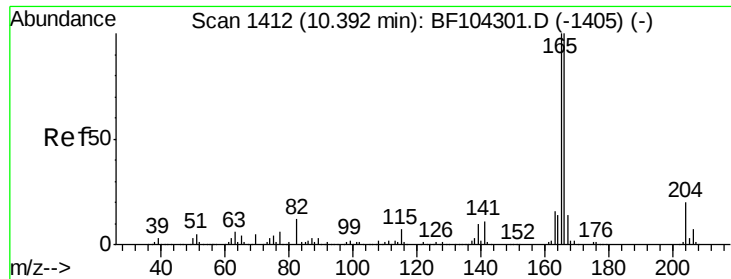
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#49
Dimethylphthalate
Concen: 9.951 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.8	8.2	12.2





#57

Fluorene

Concen: 2.082 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Instrument :

BNA_F

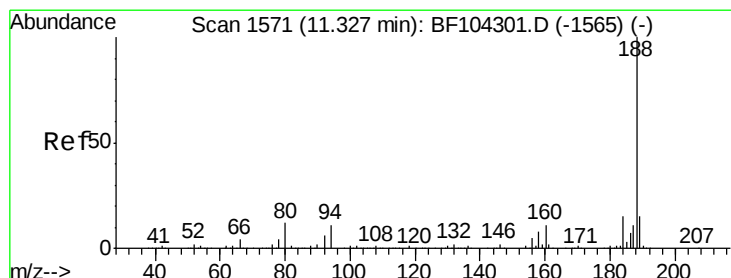
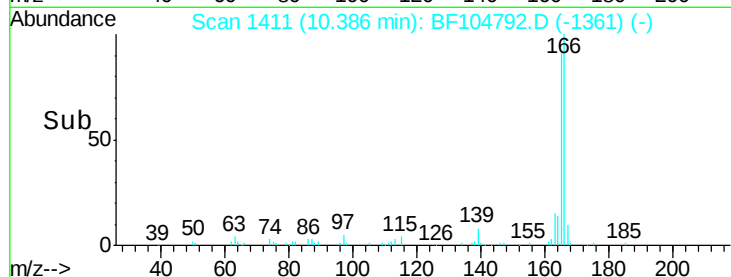
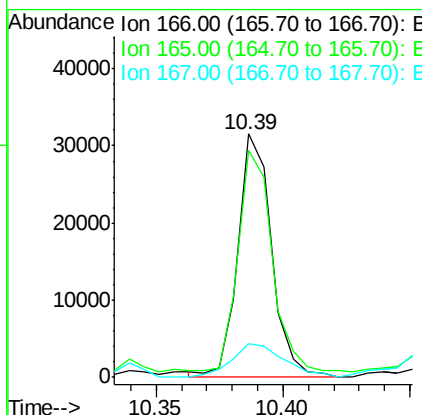
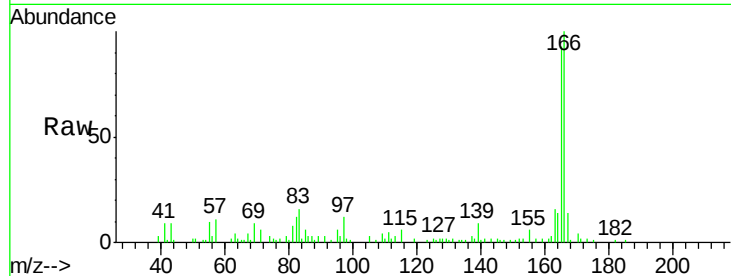
ClientSampleId :

S-3-COMP

Tot Ion:	166	Resp:	29114
Ion Ratio	Lower	Upper	
166	100		
165	93.3	79.8	119.8
167	14.1	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

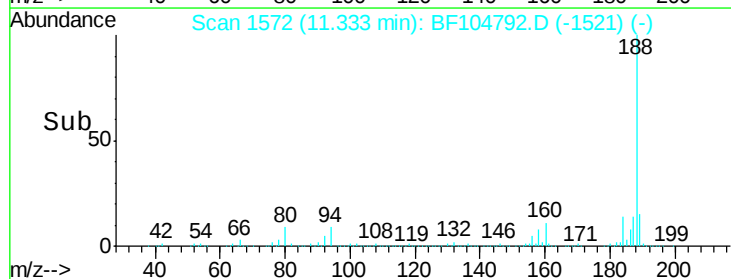
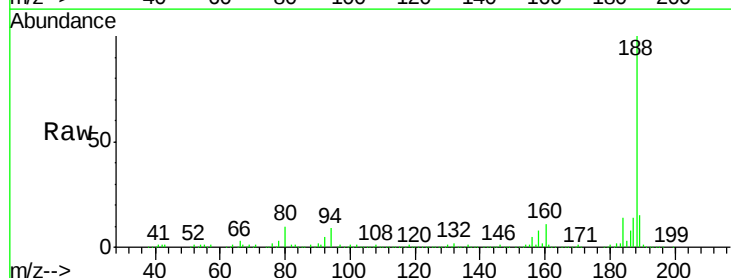
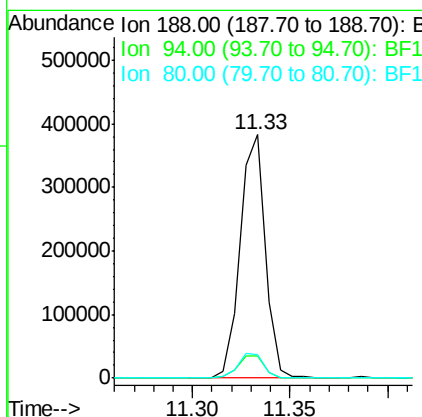
RT: 11.33 min Scan# 1572

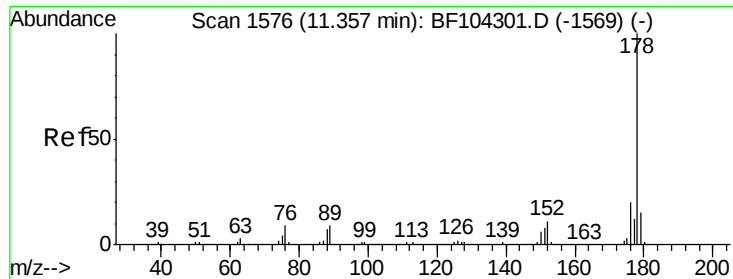
Delta R.T. -0.00 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Tgt Ion:	188	Resp:	341766
Ion Ratio	Lower	Upper	
188	100		
94	9.1	8.5	12.7
80	9.6	9.2	13.8





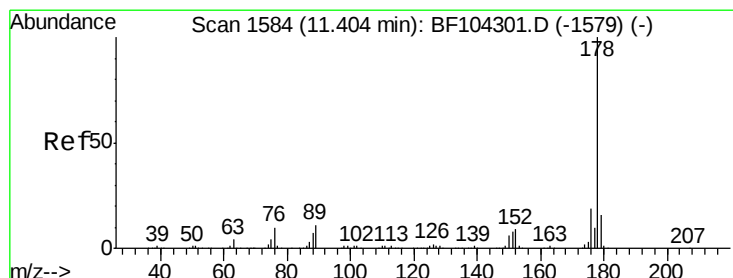
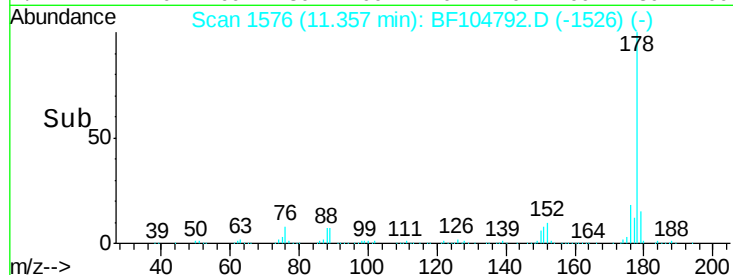
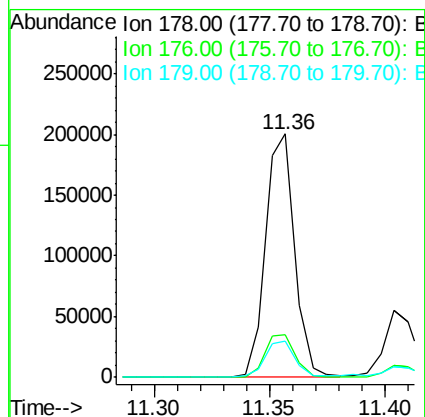
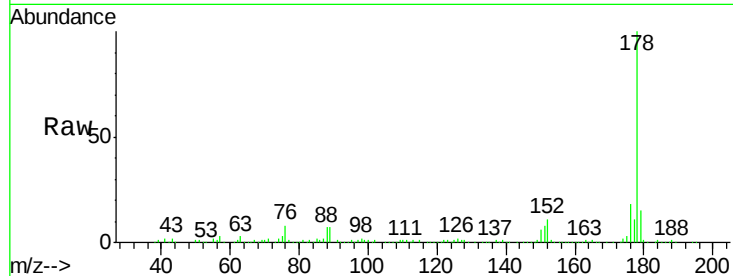
#70
Phenanthrene
Concen: 9.266 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Instrument :
BNA_F
ClientSampled :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	14.8	13.0	19.6

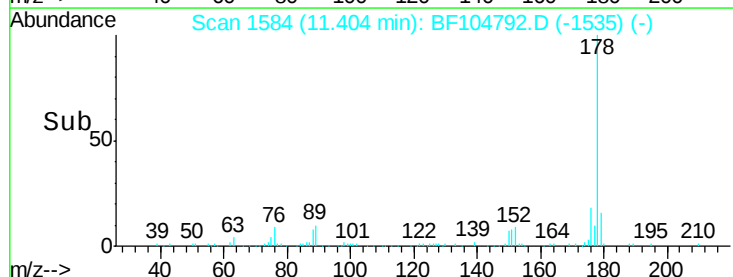
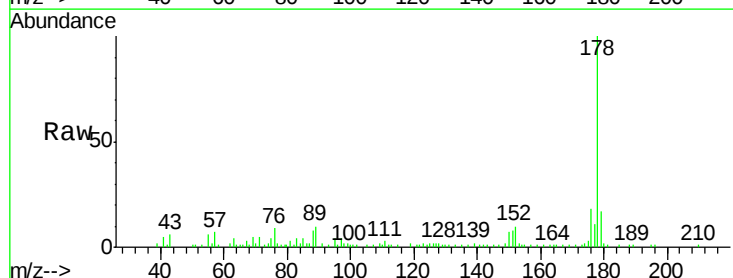
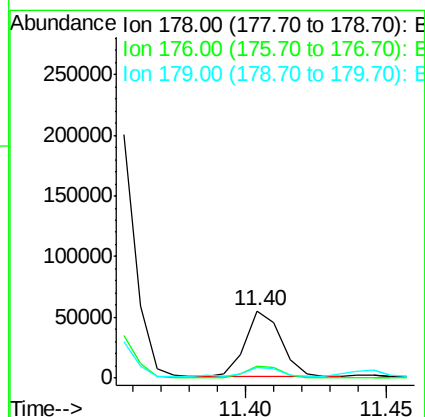
Manual Integrations
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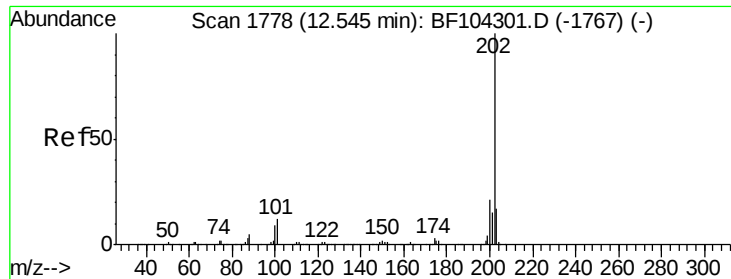
Sohil
4/26/2018 6:09:39 PM



#71
Anthracene
Concen: 2.473 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.7	12.6	19.0





#74

Fluoranthene

Concen: 9.150 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Instrument :

BNA_F

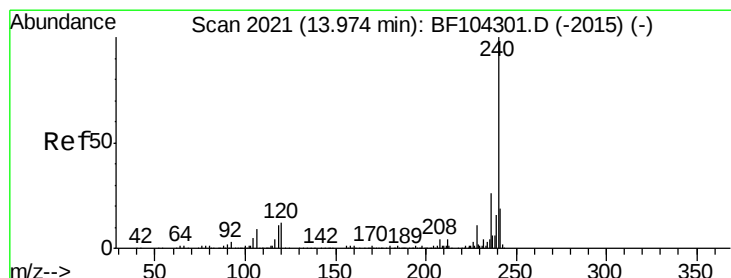
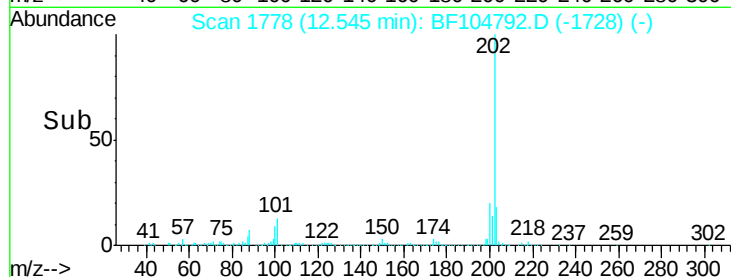
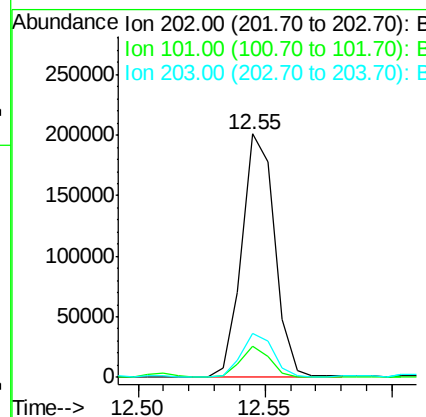
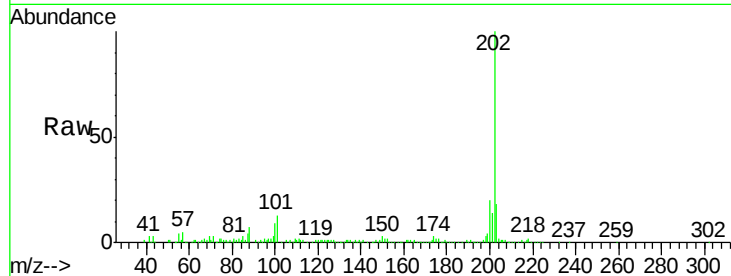
ClientSampled :

S-3-COMP

Tot Ion:	202	Resp:	181962
Ion Ratio		Lower	Upper
202	100		
101	12.6	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

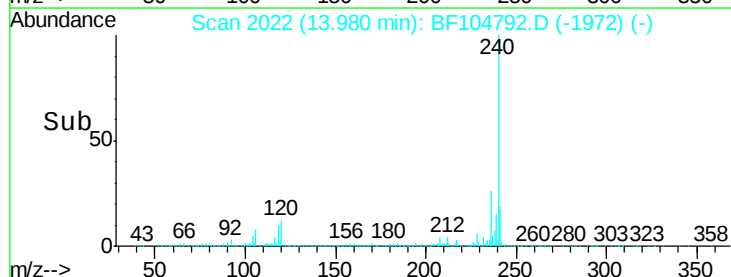
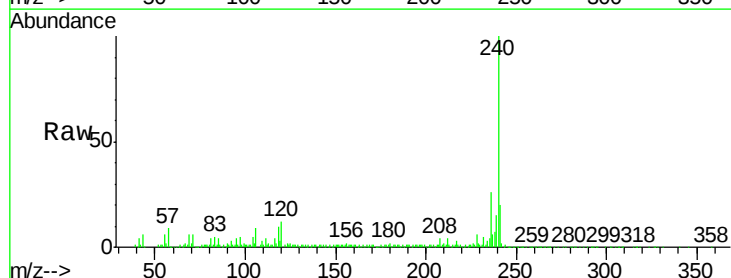
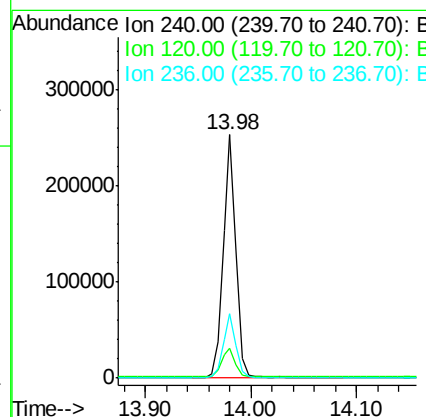
RT: 13.98 min Scan# 2022

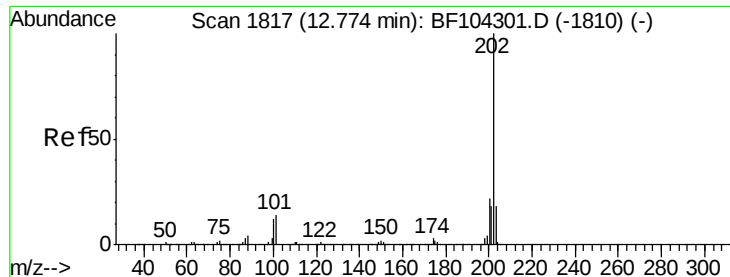
Delta R.T. -0.01 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Tgt Ion:	240	Resp:	215335
Ion Ratio		Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 10.156 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Instrument :

BNA_F

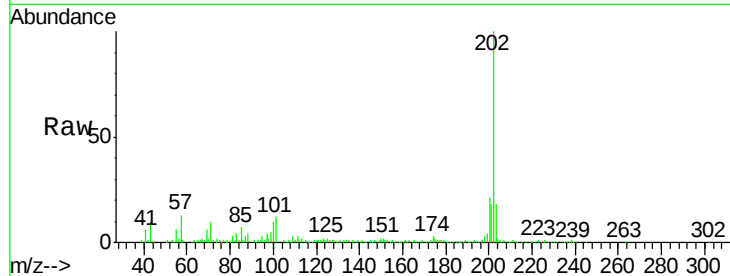
ClientSampleId :

S-3-COMP

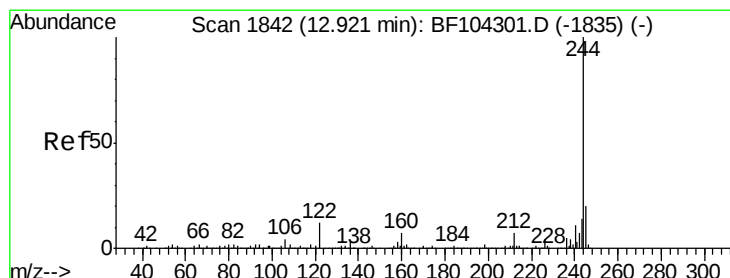
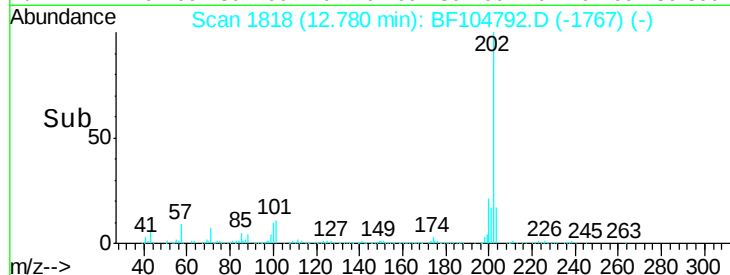
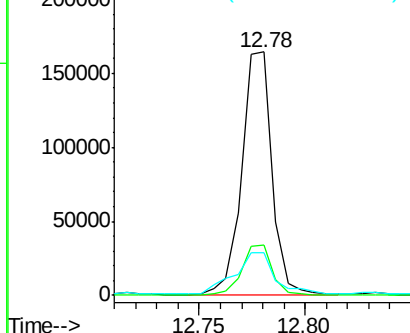
Tot Ion:	202	Resp:	162100
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.7	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 77.352 ng

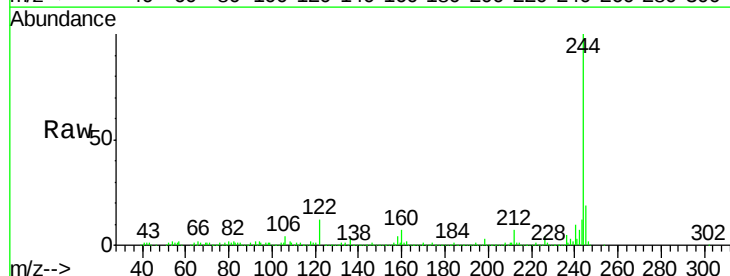
RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

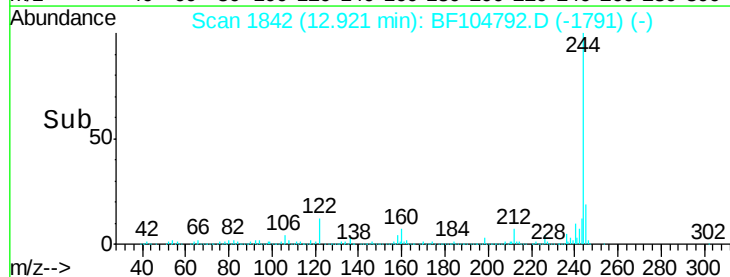
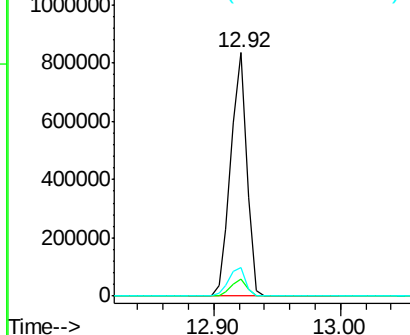
Lab File: BF104792.D

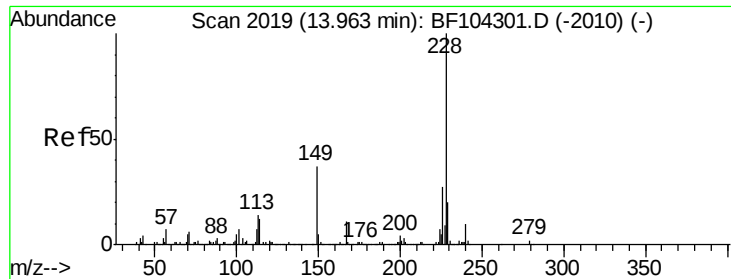
Acq: 25 Apr 2018 16:46

Tgt Ion:	244	Resp:	730608
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	11.8	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





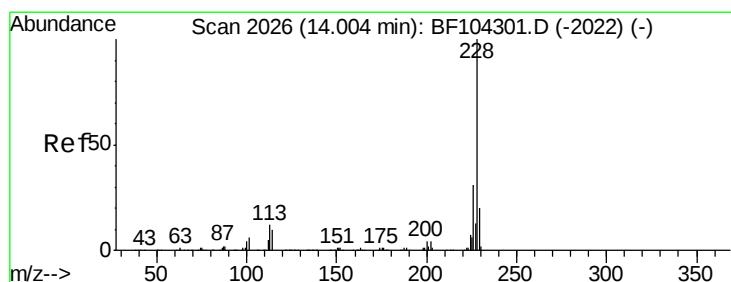
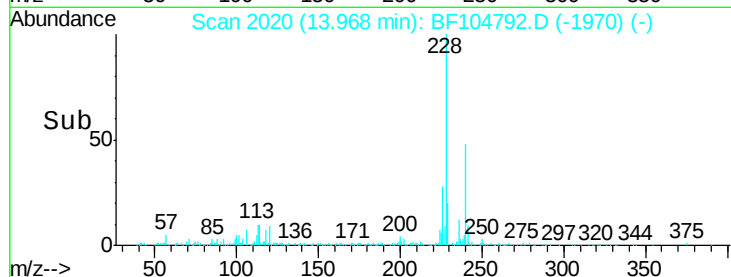
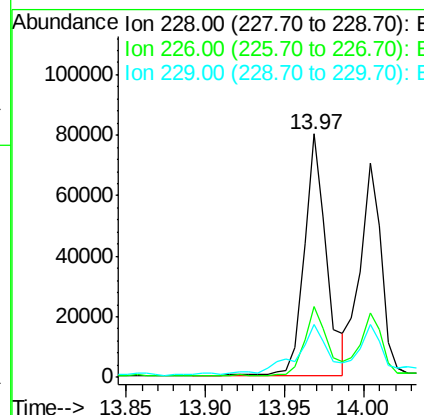
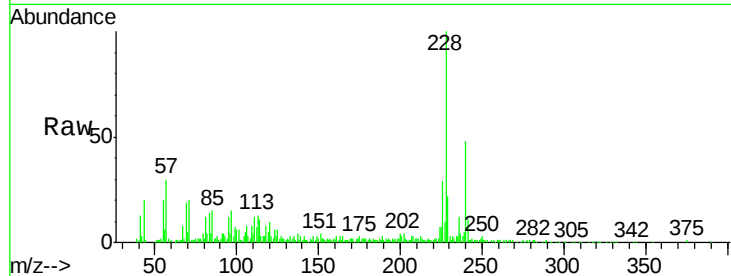
#80
Benzo(a)anthracene
Concen: 6.077 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Instrument :
BNA_F
ClientSampled :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.8	15.8	23.6

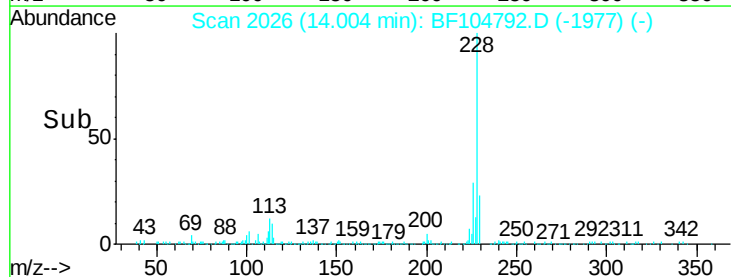
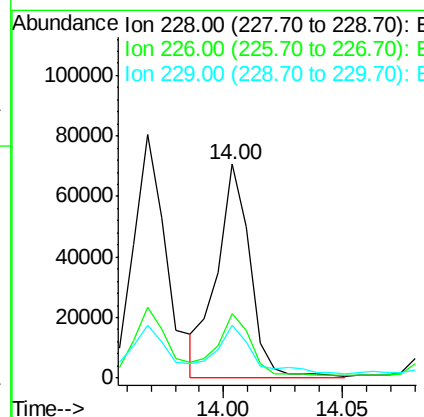
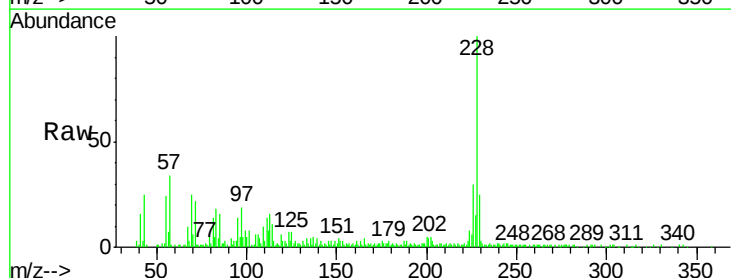
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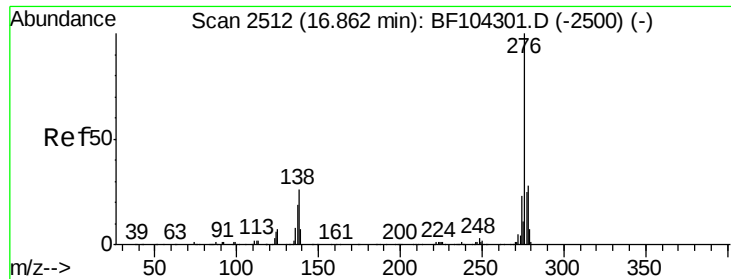
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#82
Chrysene
Concen: 5.223 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104792.D
Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	24.6	16.2	24.4#





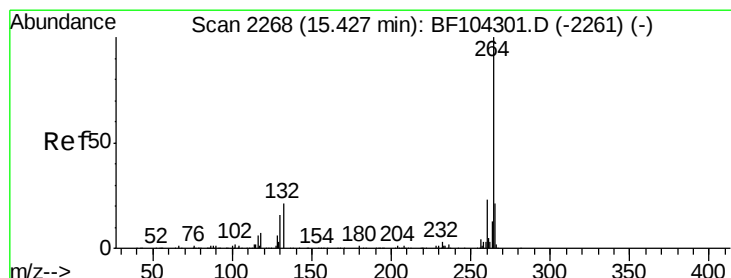
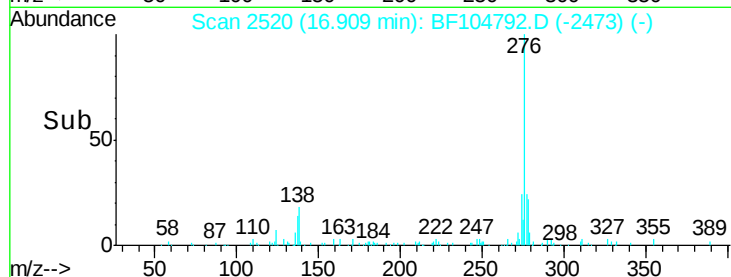
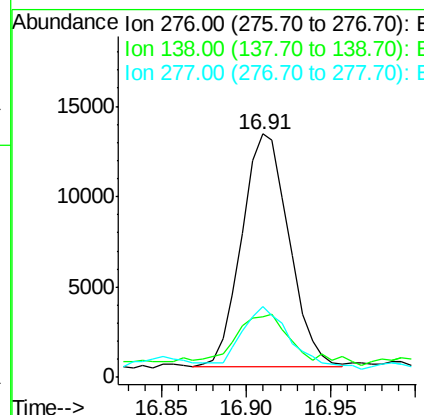
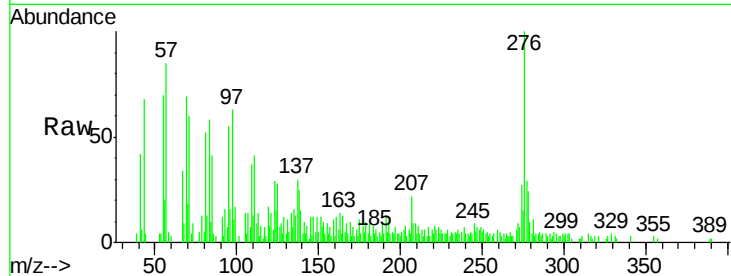
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.224 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.02 min
 Lab File: BF104792.D
 Acq: 25 Apr 2018 16:46

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	28.5	20.1	30.1

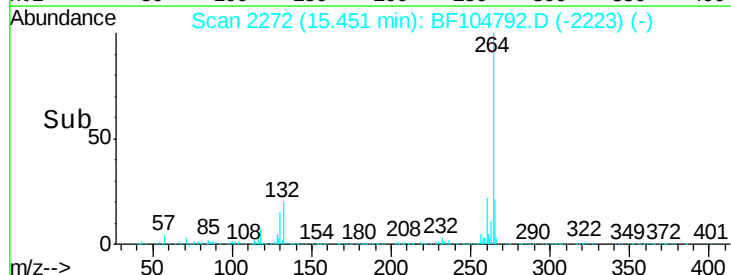
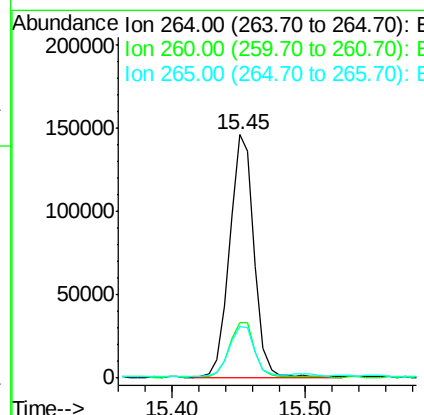
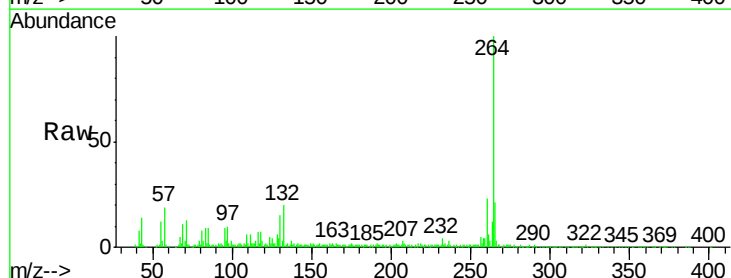
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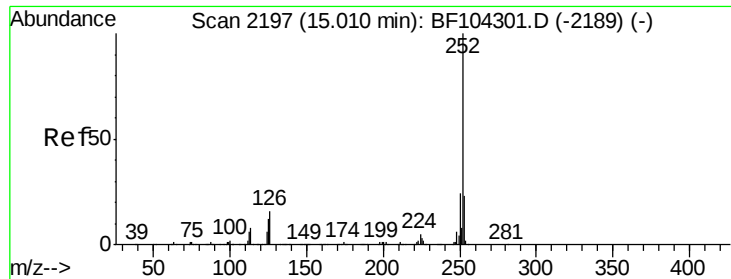
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104792.D
 Acq: 25 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.949 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Instrument :

BNA_F

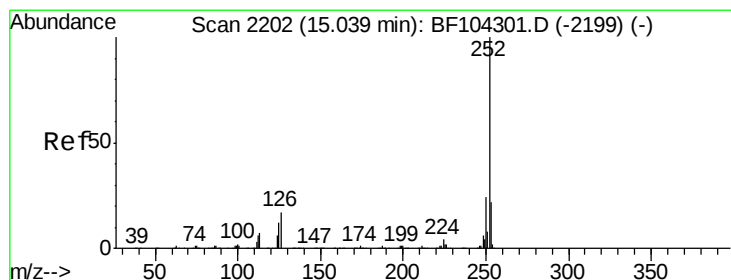
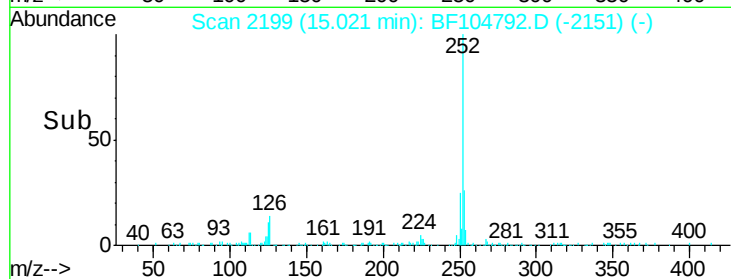
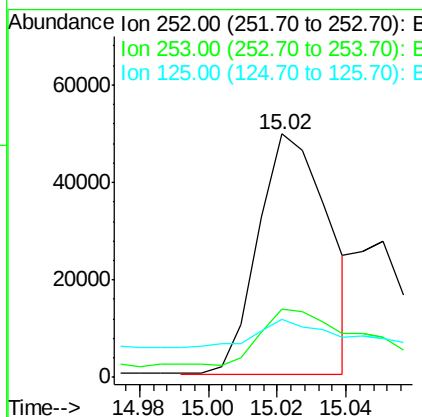
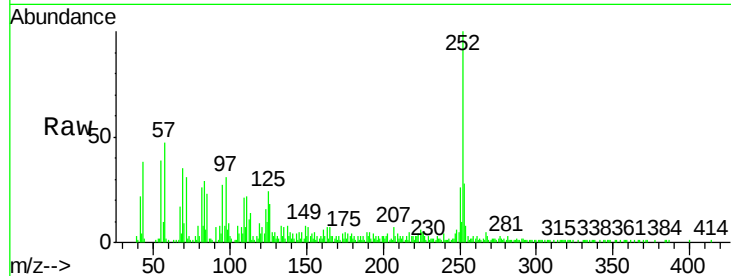
ClientSampleId :

S-3-COMP

Tot Ion:	252	Resp:	70229
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.0	25.6#
125	23.6	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.411 ng m

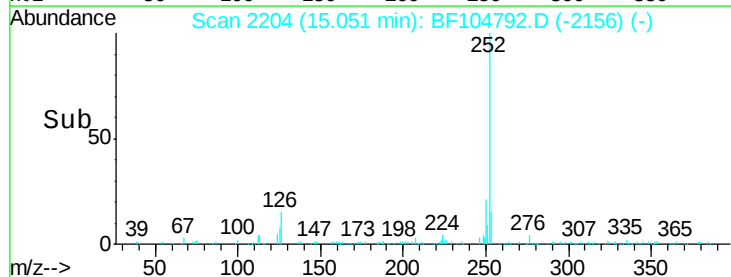
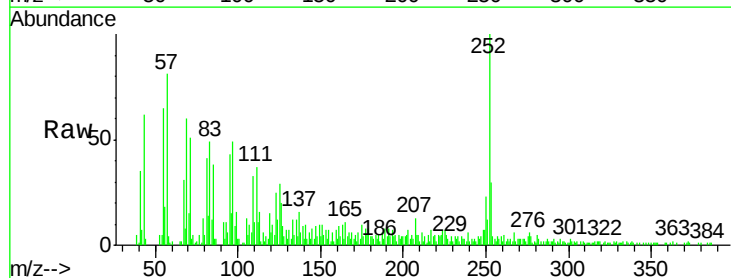
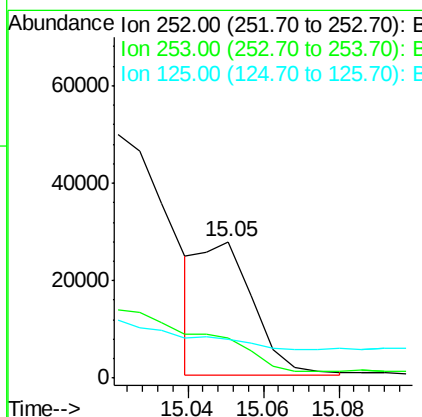
RT: 15.05 min Scan# 2204

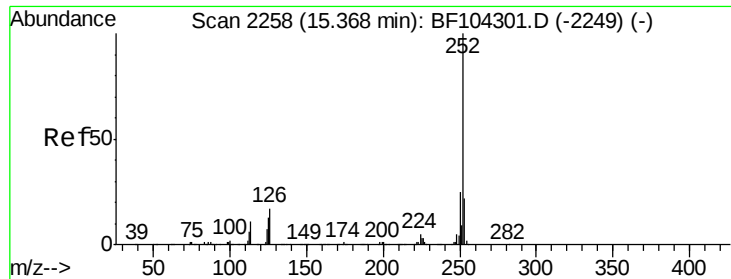
Delta R.T. -0.02 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Tgt Ion:	252	Resp:	26868
Ion Ratio	Lower	Upper	
252	100		
253	29.7	17.9	26.9#
125	28.7	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 4.909 ng

RT: 15.39 min Scan# 2261

Delta R.T. -0.02 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Instrument :

BNA_F

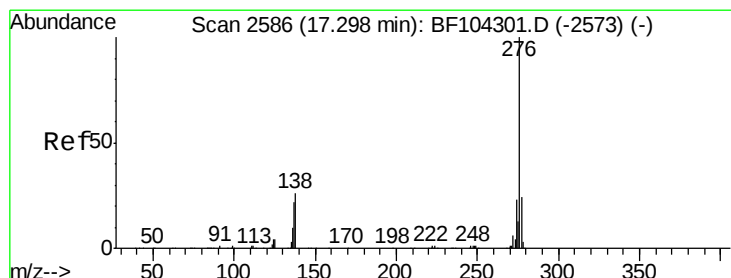
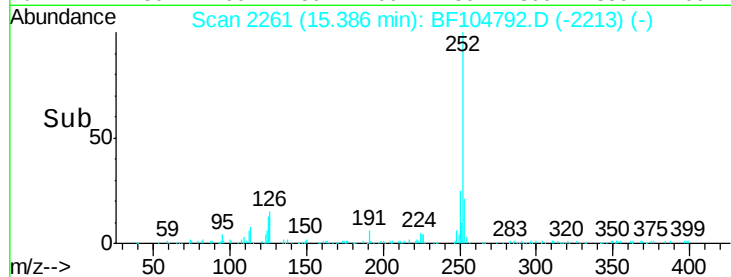
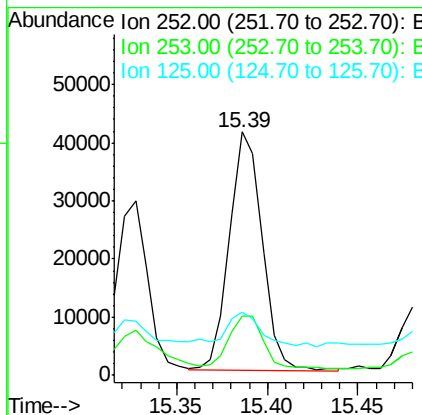
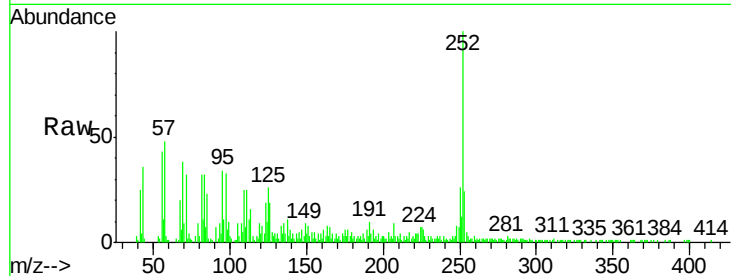
ClientSampled :

S-3-COMP

Tot Ion:	252	Resp:	51845
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.1	25.7
125	26.0	9.8	14.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.193 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.02 min

Lab File: BF104792.D

Acq: 25 Apr 2018 16:46

Tgt Ion:	276	Resp:	26839
Ion Ratio	Lower	Upper	
276	100		
277	27.8	17.9	26.9#
138	29.6	21.8	32.8

