

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104400.D
 Acq On : 10 Apr 2018 11:30
 Operator : JU/SJ
 Sample : J2296-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Manual Integrations
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 4/11/2018 5:16:49 PM

Quant Time: Apr 10 14:44:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	162254	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	650140	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	291969	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	475576	20.00	ng	0.00
75) Chrysene-d12	13.98	240	326708	20.00	ng	0.00
86) Perylene-d12	15.44	264	311316	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1342045	126.47	ng	0.02
7) Phenol-d6	6.45	99	1667793	127.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	1066900	107.16	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	389971	128.76	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1577551	85.36	ng	0.00
78) Terphenyl-d14	12.93	244	1157220	80.75	ng	0.00
Target Compounds						
10) Phenol	6.46	94	132297	9.563	ng	90
49) Dimethylphthalate	9.56	163	311575	13.533	ng	99
56) 2,4-Dinitrotoluene	10.03	165	25628	4.586	ng	94
70) Phenanthrene	11.36	178	68481	2.586	ng	97
74) Fluoranthene	12.54	202	147078	5.315	ng	99
77) Pyrene	12.77	202	128885	5.322	ng	98
80) Benzo(a)anthracene	13.97	228	68238	3.496	ng	96
82) Chrysene	14.00	228	73429	3.663	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	43035	2.527	ng	92
87) Benzo(b)fluoranthene	15.02	252	102736m	5.225	ng	
88) Benzo(k)fluoranthene	15.04	252	38828m	2.092	ng	
89) Benzo(a)pyrene	15.37	252	69501	3.951	ng	# 94
91) Benzo(a,h,i)perylene	17.32	276	37359	2.669	ng	96

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

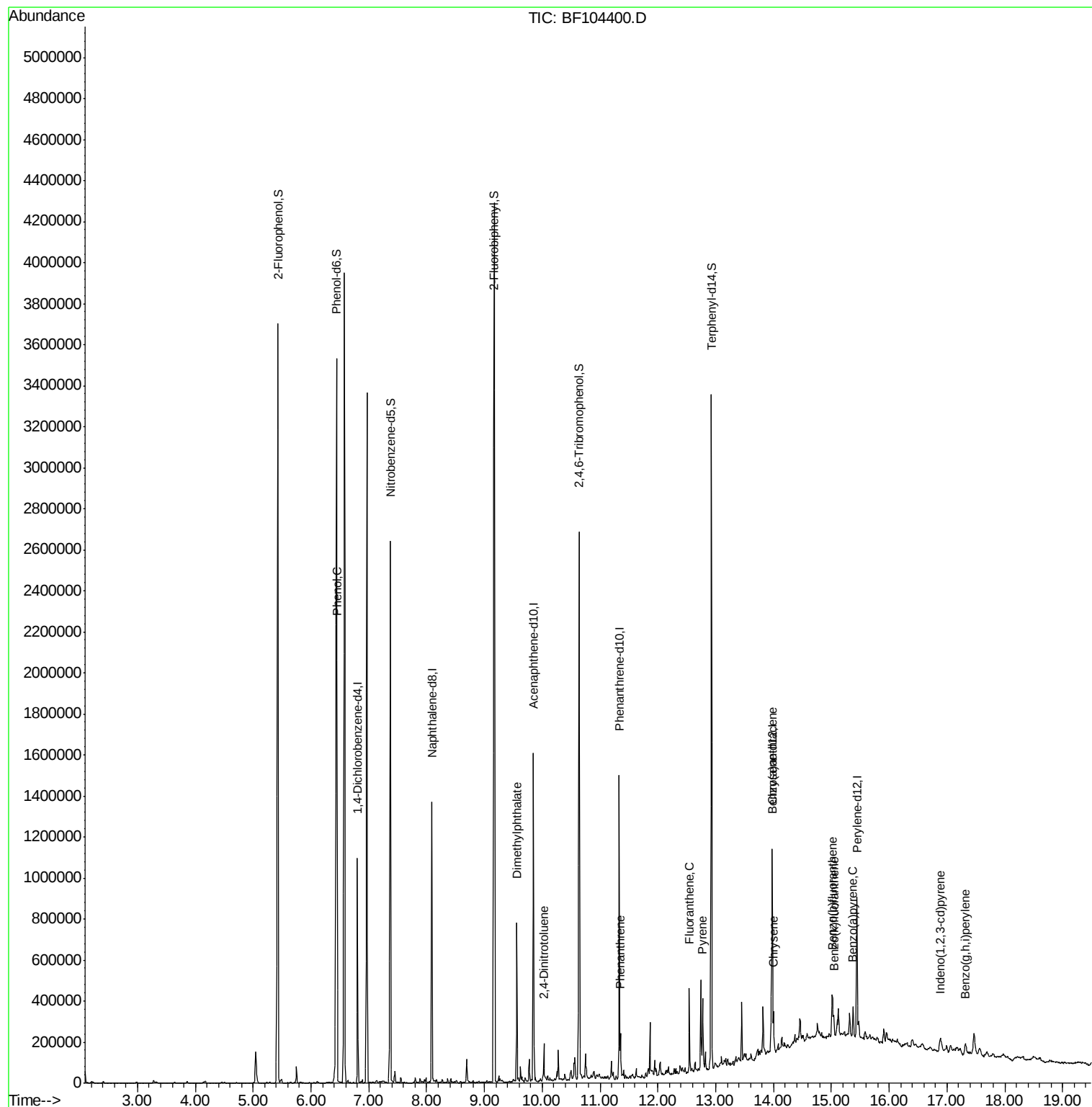
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
Data File : BF104400.D
Acq On : 10 Apr 2018 11:30
Operator : JU/SJ
Sample : J2296-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

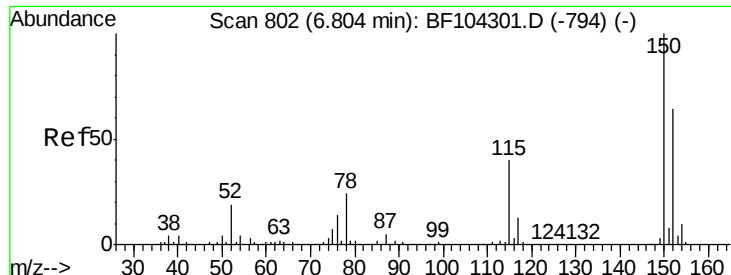
Instrument :
BNA_F
ClientSampleId :
S-3-COMP

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

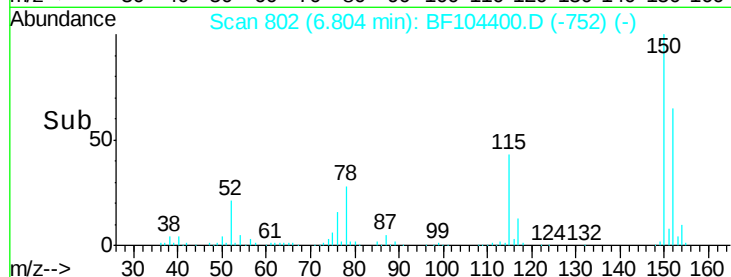
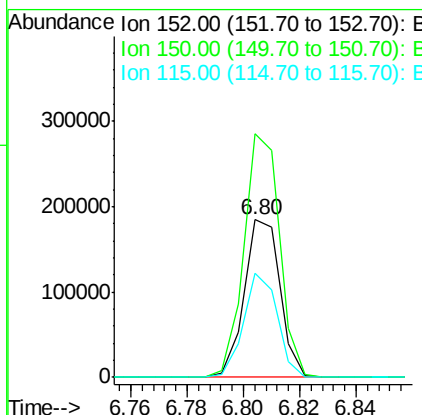
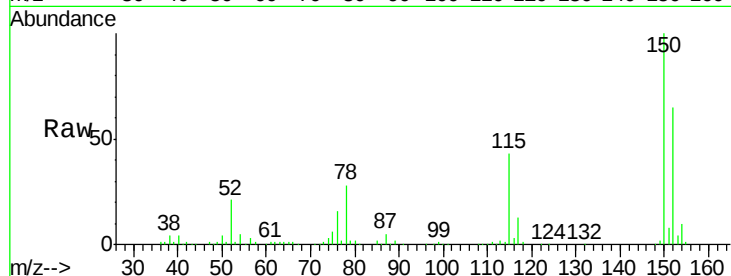
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	65.9	50.1	75.1

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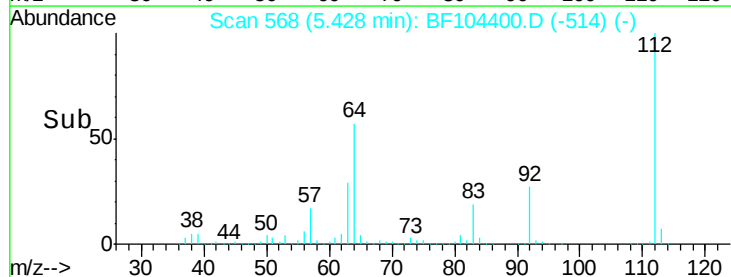
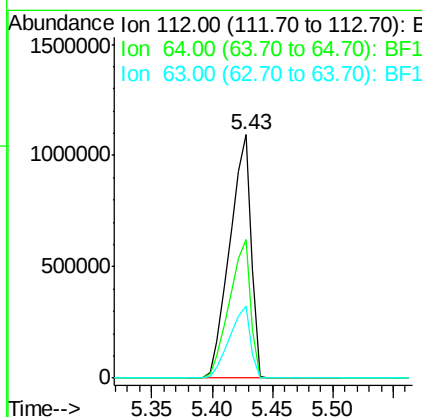
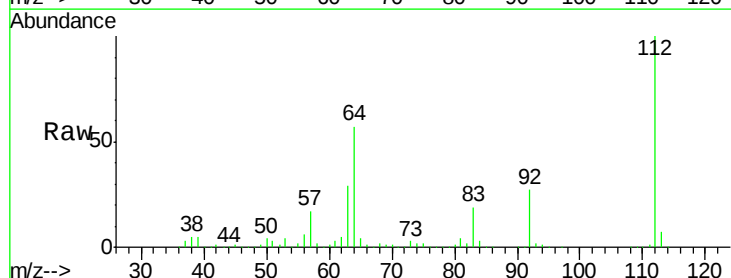
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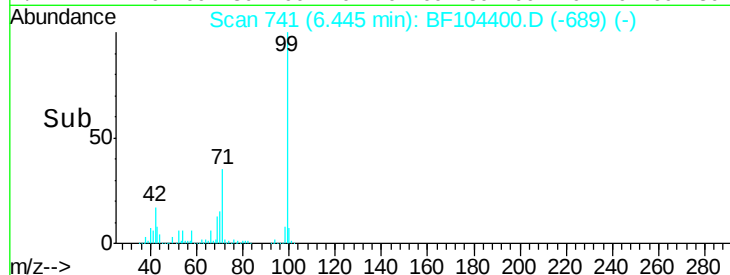
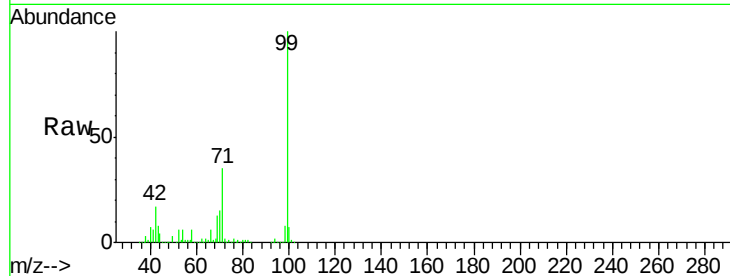


#5

2-Fluorophenol
Concen: 126.472 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 127.918 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Tot Ion: 99 Resp: 1667793

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 34.9 25.4 38.0

Instrument :

BNA_F

ClientSampled :

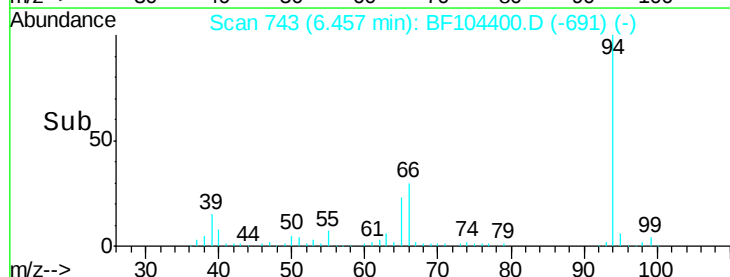
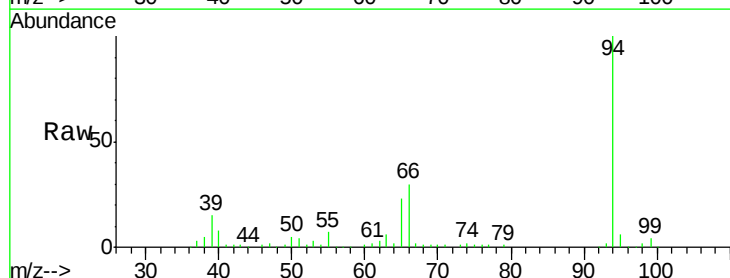
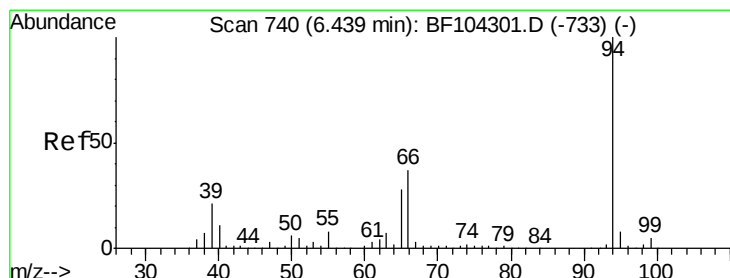
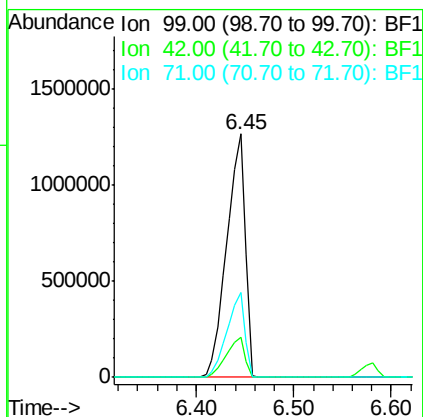
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#10

Phenol

Concen: 9.563 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

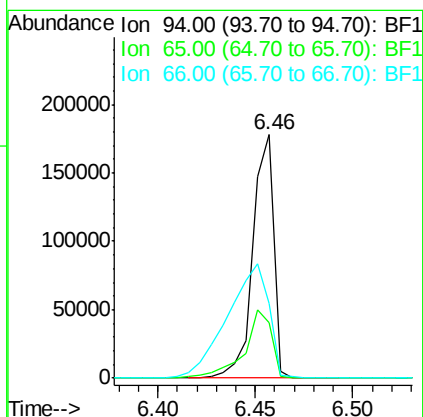
Tgt Ion: 94 Resp: 132297

Ion Ratio Lower Upper

94 100

65 22.9 7.9 47.9

66 30.4 16.2 56.2





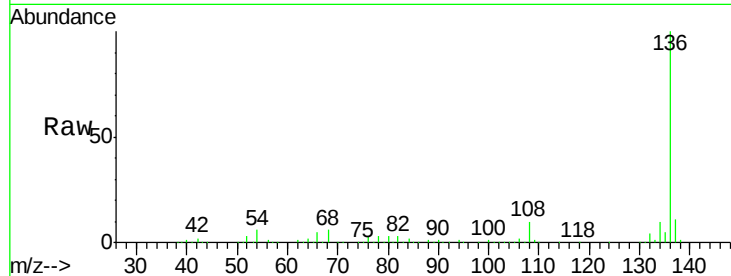
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampled :
S-3-COMP

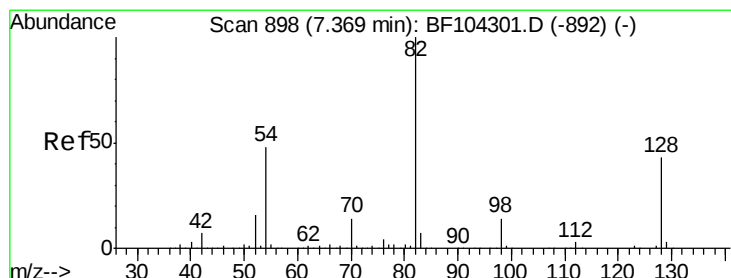
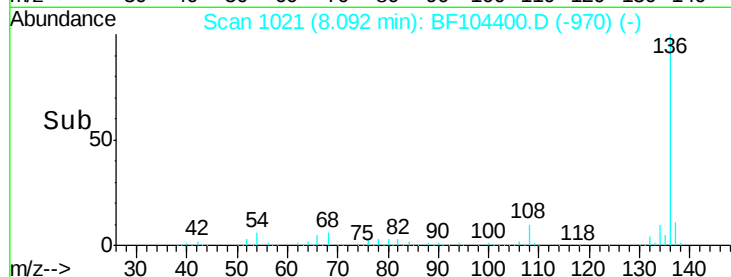
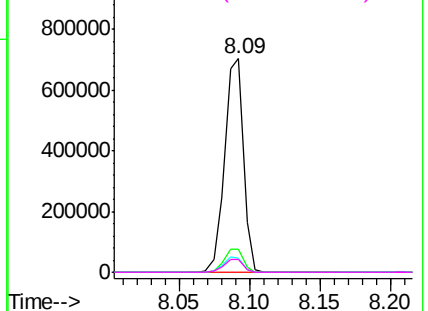
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	6.3	6.6	9.8	
68	6.1	5.0	7.4	

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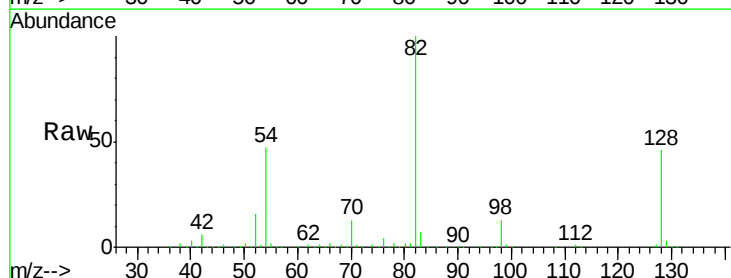


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

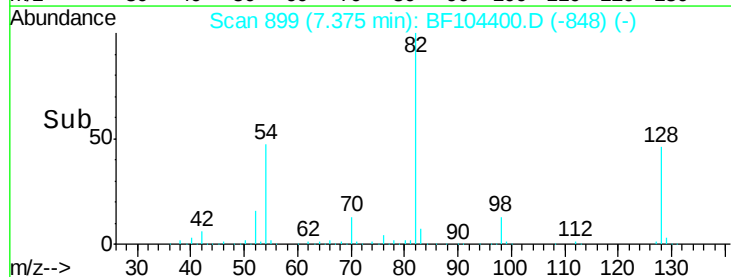
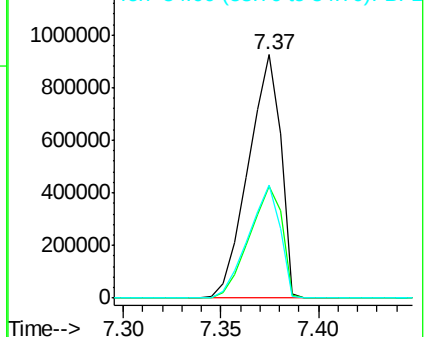


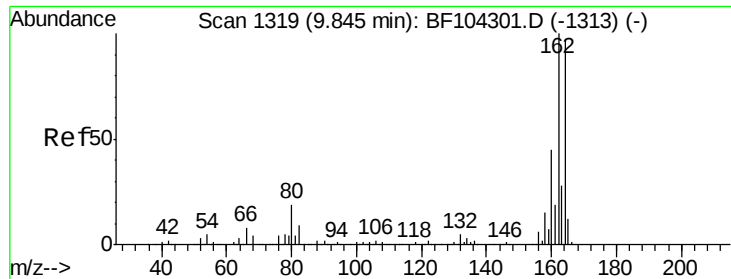
#23
Nitrobenzene-d5
Concen: 107.156 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	36.1	54.1	
54	46.6	41.4	62.2	



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





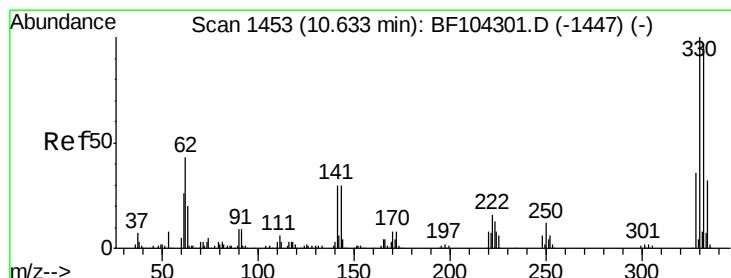
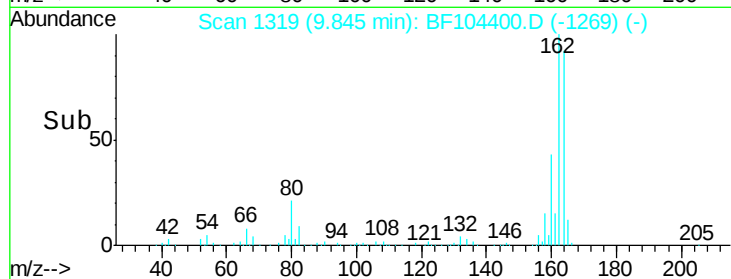
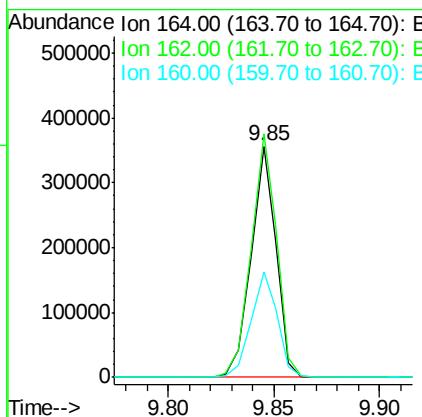
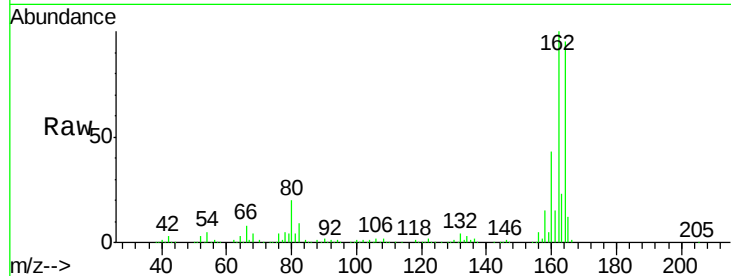
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
164	100	291969		
162	105.4	86.1	129.1	
160	45.7	38.3	57.5	

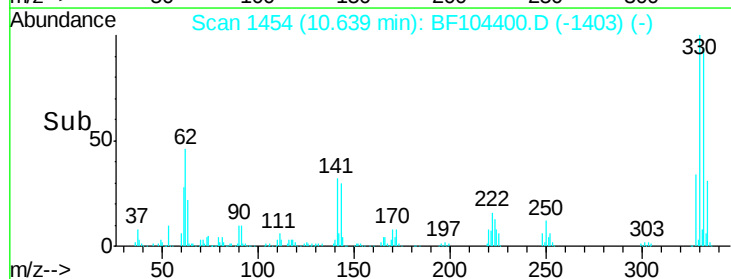
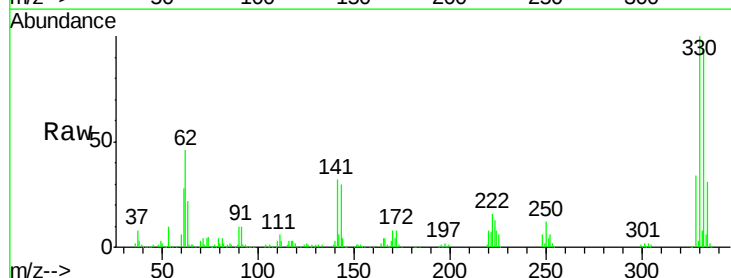
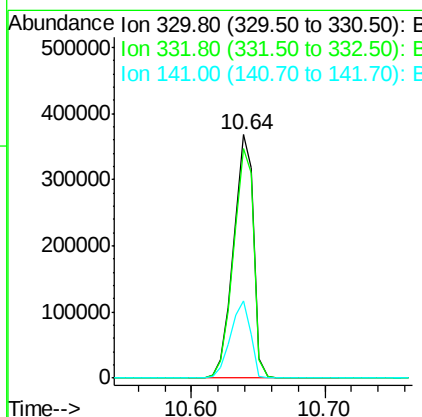
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#41
2,4,6-Tribromophenol
Concen: 128.760 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	389971		
332	95.6	77.0	115.6	
141	32.2	29.9	44.9	





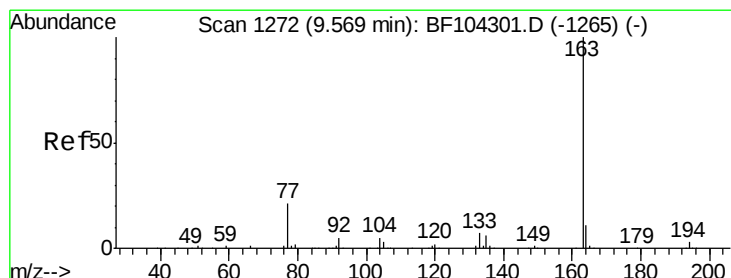
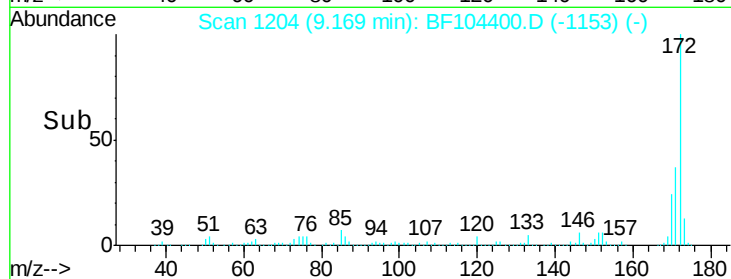
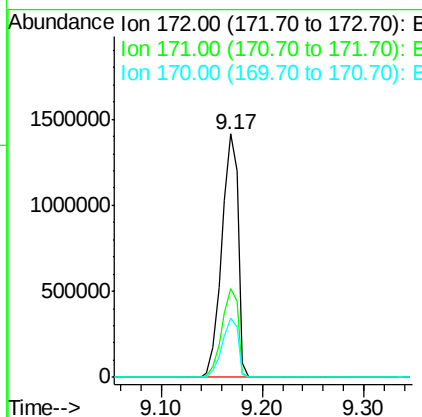
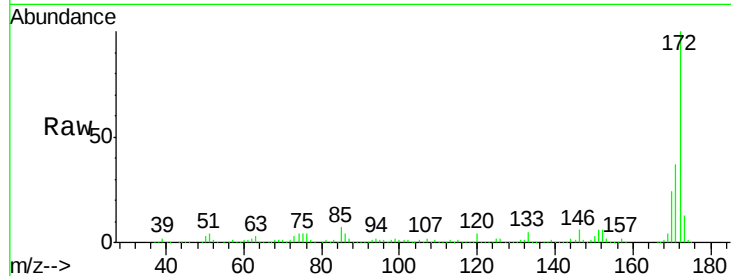
#44
2-Fluorobiphenyl
Concen: 85.356 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.00 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.7	29.7	44.5	
170	24.3	19.6	29.4	

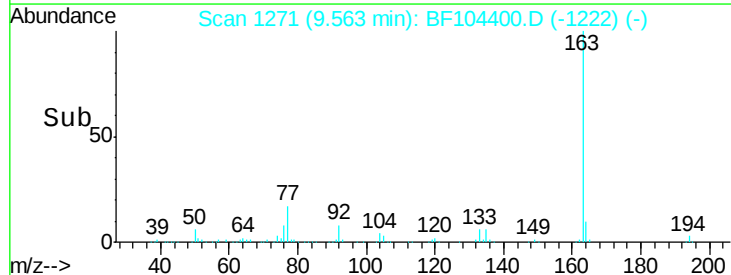
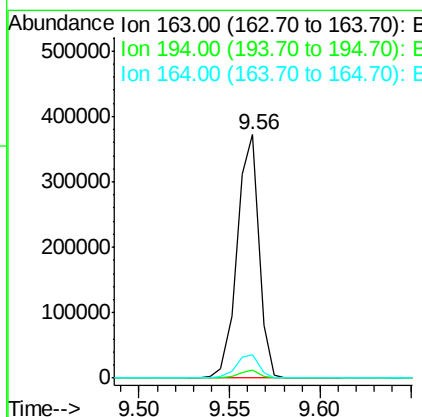
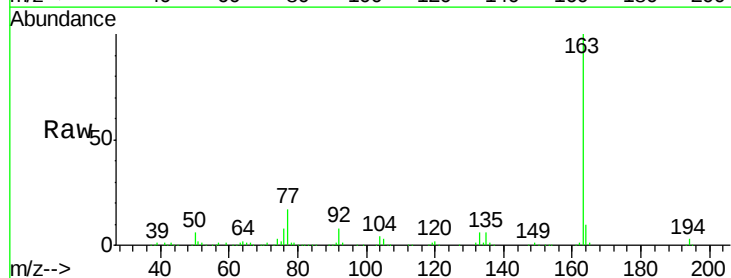
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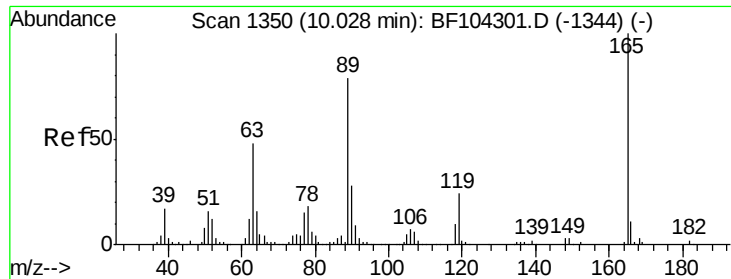
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#49
Dimethylphthalate
Concen: 13.533 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	9.9	8.2	12.2	





#56

2,4-Dinitrotoluene

Concen: 4.586 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

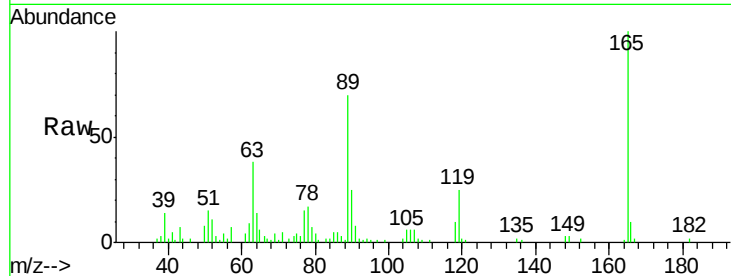
ClientSampled :

S-3-COMP

Tot Ion:	165	Resp:	25628
Ion Ratio	Lower	Upper	
165	100		
63	38.5	36.4	54.6
89	70.1	57.8	86.6
182	2.1	1.6	2.4

Manual Integrations
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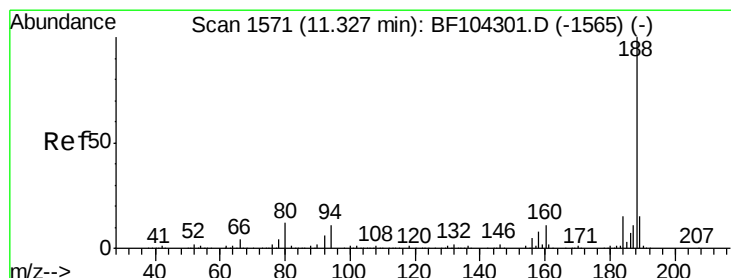
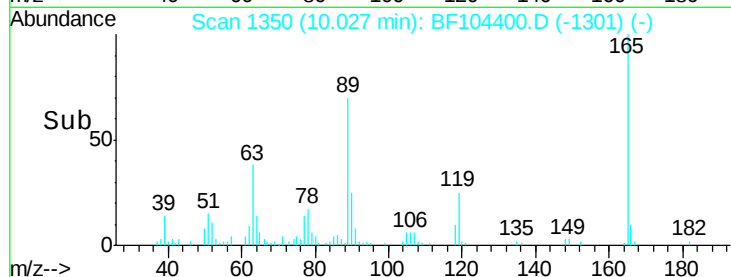
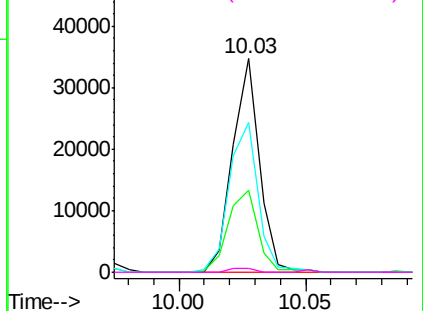


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

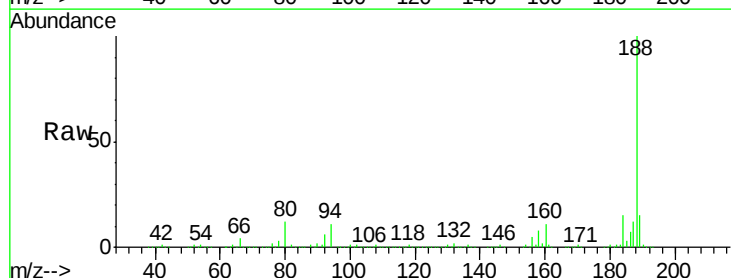
RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

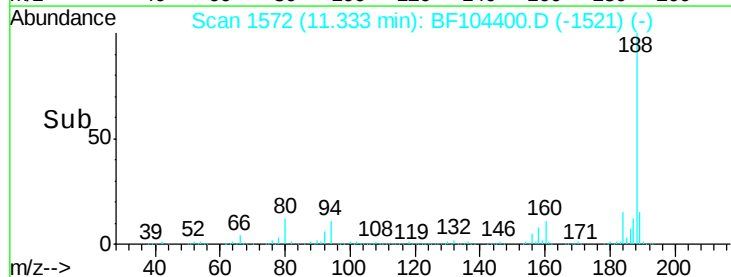
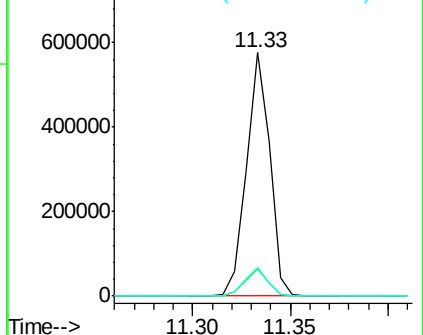
Tgt Ion:	188	Resp:	475576
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	11.9	9.2	13.8

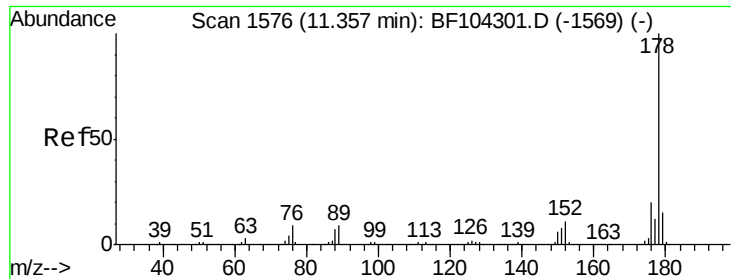


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





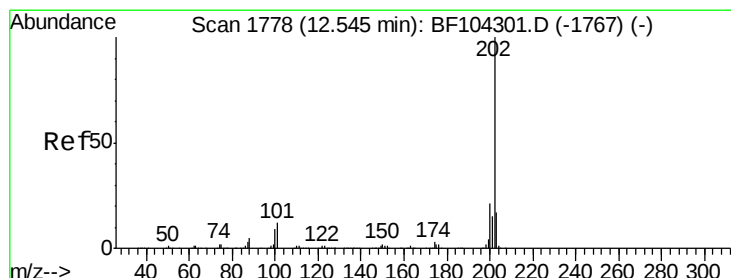
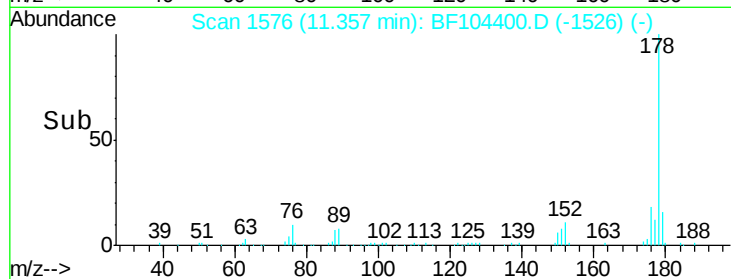
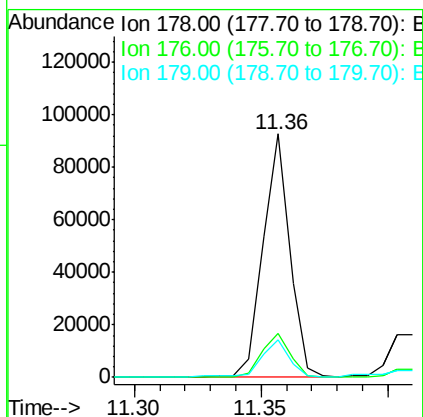
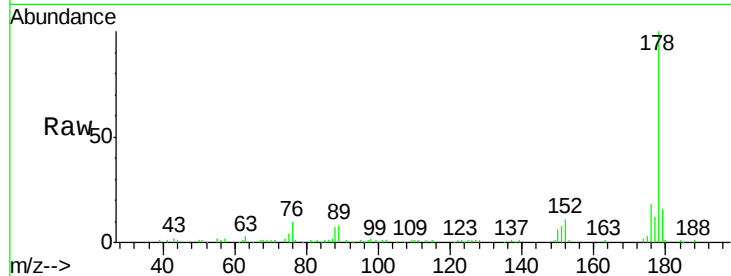
#70
Phenanthrene
Concen: 2.586 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.6	13.0	19.6

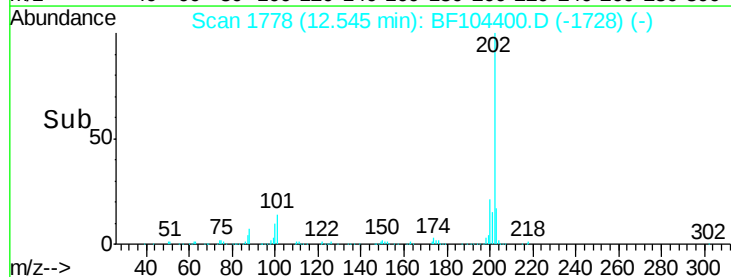
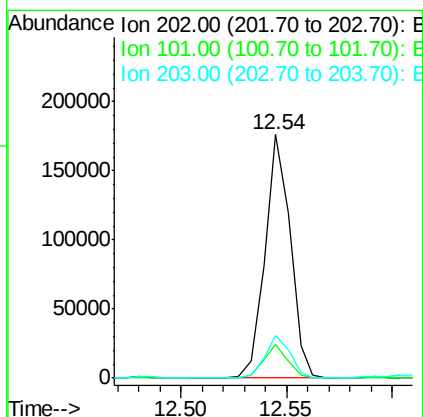
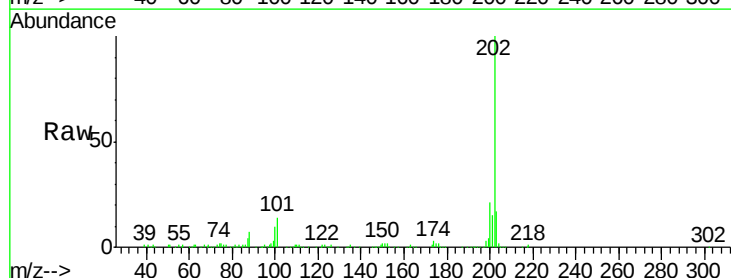
Manual Integrations
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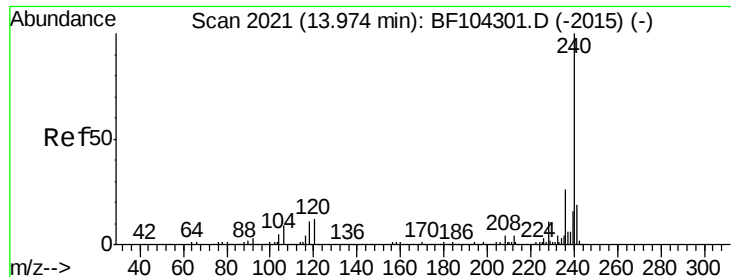
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#74
Fluoranthene
Concen: 5.315 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

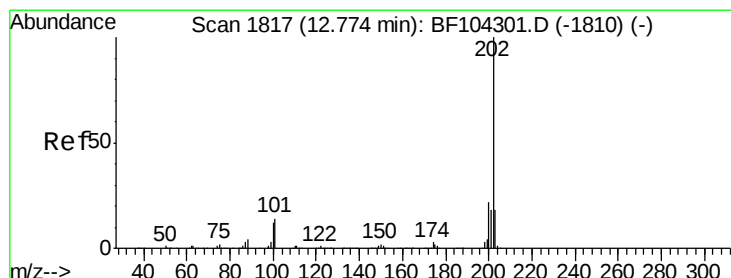
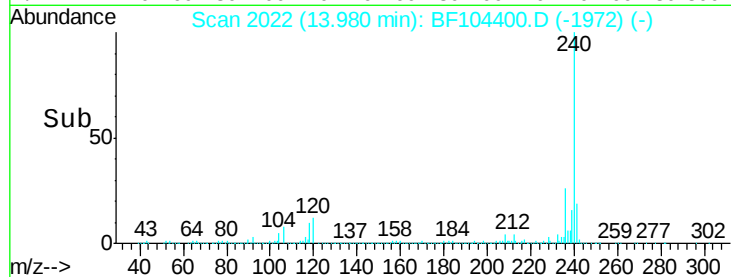
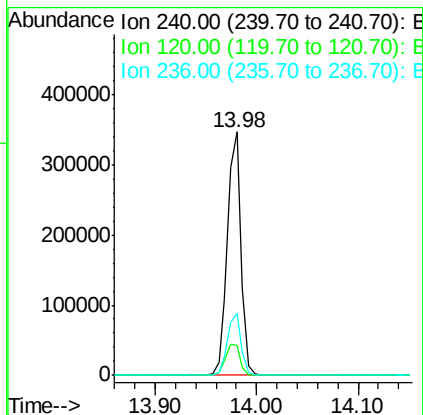
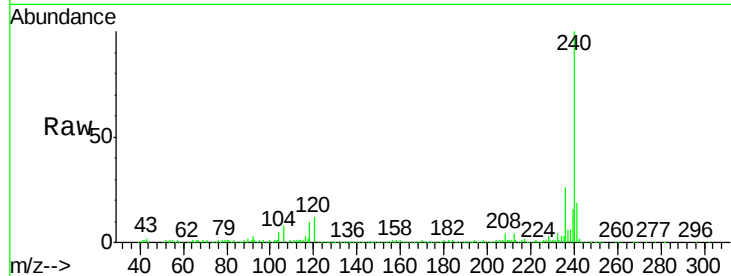
ClientSampleId :

S-3-COMP

Tot Ion:	240	Resp:	326708
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 5.322 ng

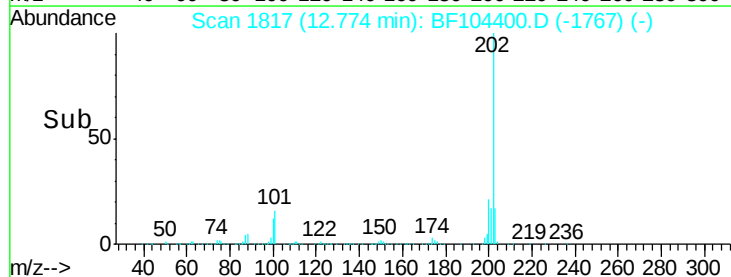
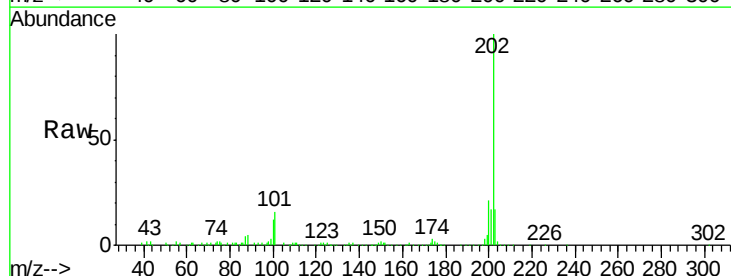
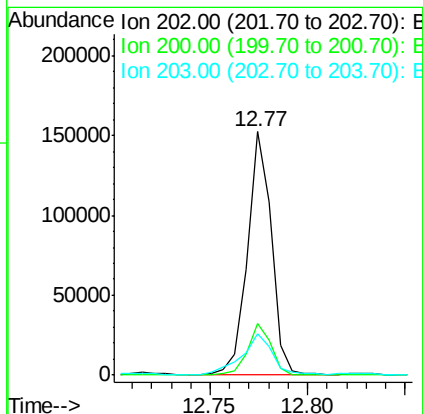
RT: 12.77 min Scan# 1817

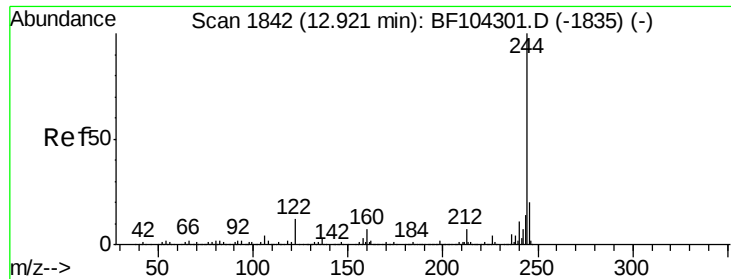
Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Tgt Ion:	202	Resp:	128885
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.0	14.3	21.5





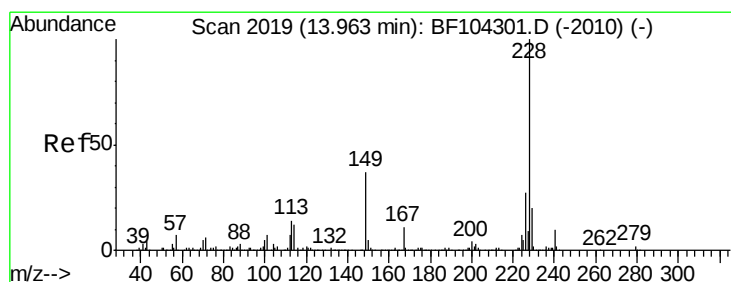
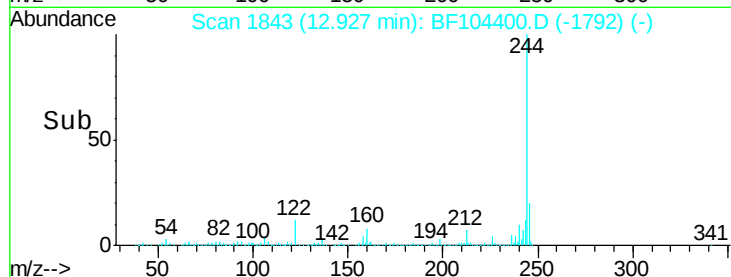
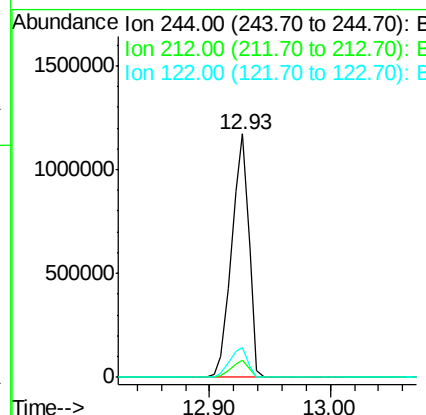
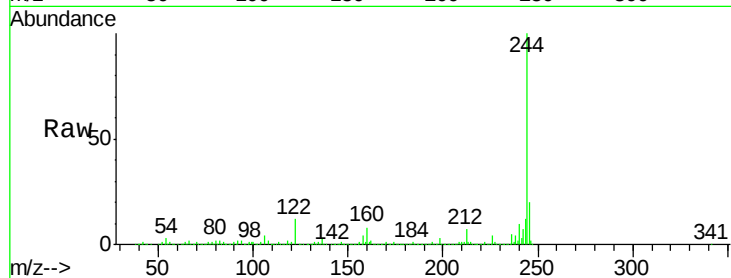
#78
 Terphenyl-d14
 Concen: 80.753 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Tot Ion:244 Resp: 1157220
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.4 11.0 16.4

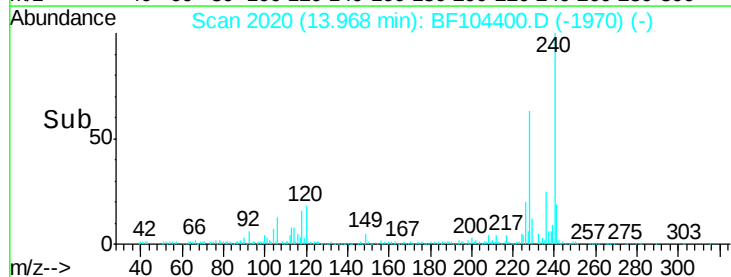
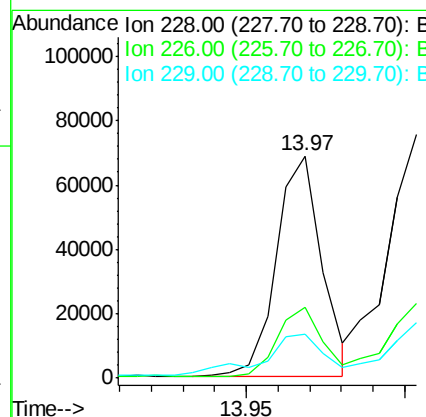
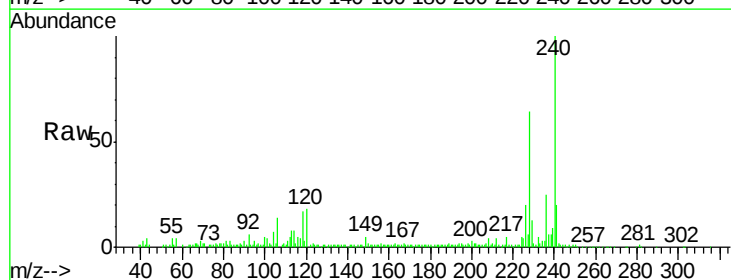
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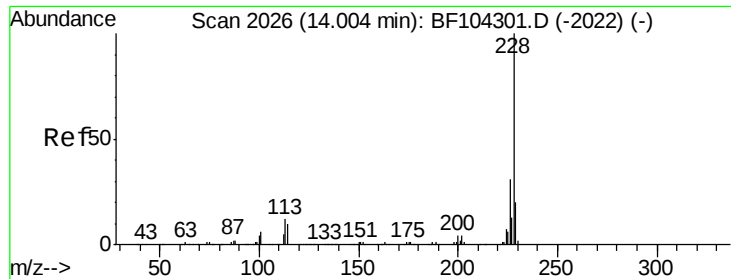
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#80
 Benzo(a)anthracene
 Concen: 3.496 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Tgt Ion:228 Resp: 68238
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.6 33.8
 229 19.8 15.8 23.6





#82

Chrysene

Concen: 3.663 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

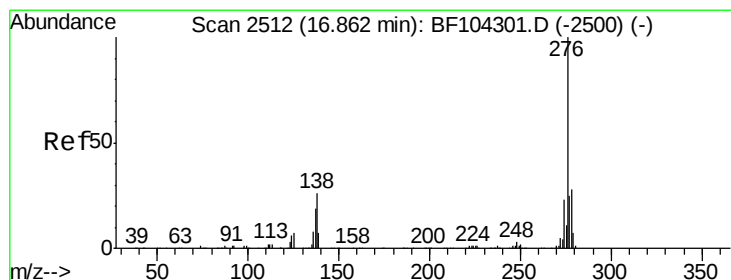
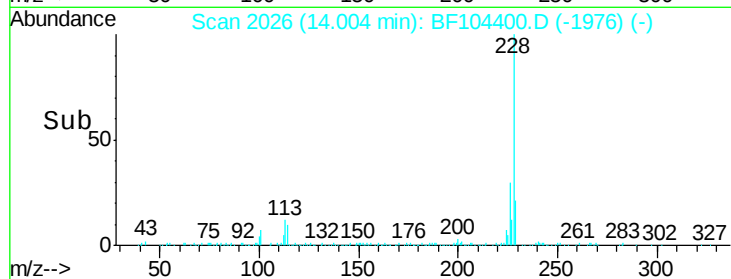
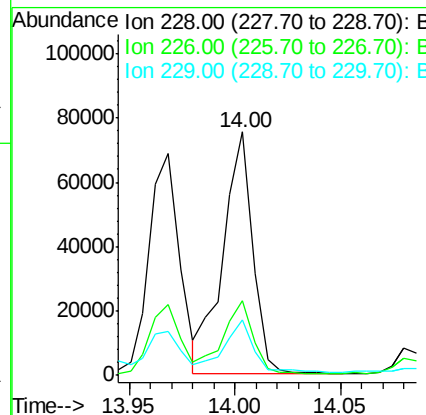
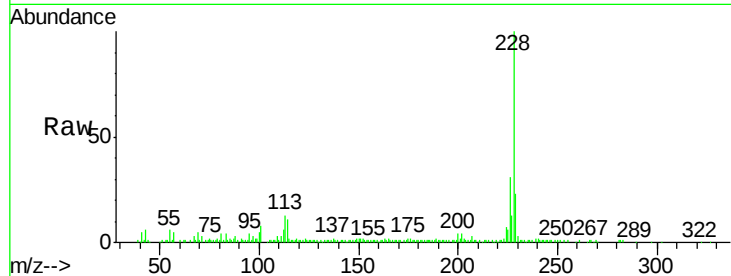
ClientSampleId :

S-3-COMP

Tot Ion:	228	Resp:	73429
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.8	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.527 ng

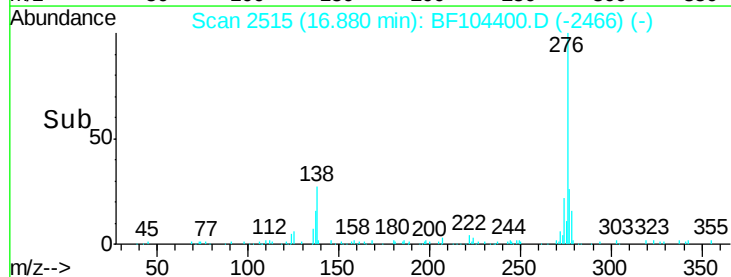
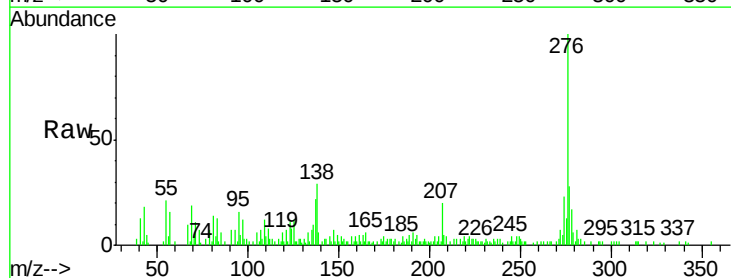
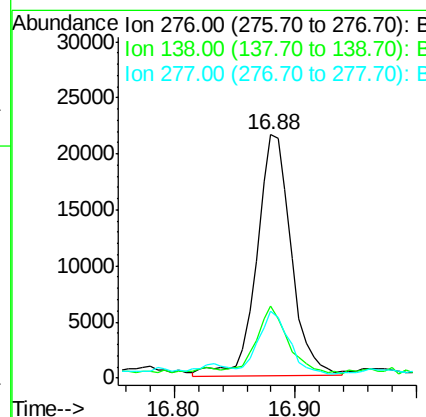
RT: 16.88 min Scan# 2515

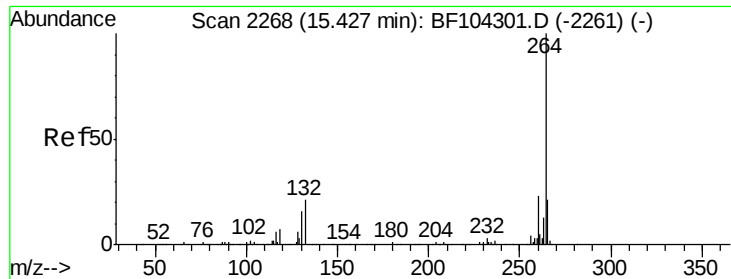
Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Tgt Ion:	276	Resp:	43035
Ion Ratio	Lower	Upper	
276	100		
138	25.7	25.0	37.6
277	22.4	20.1	30.1





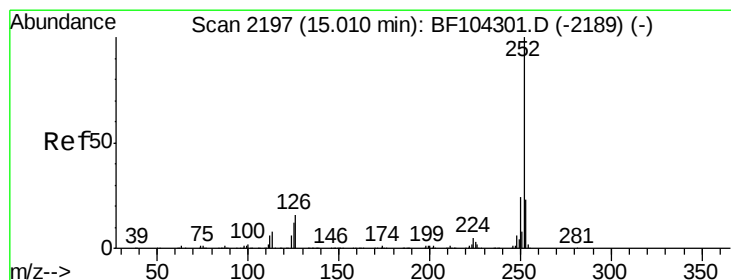
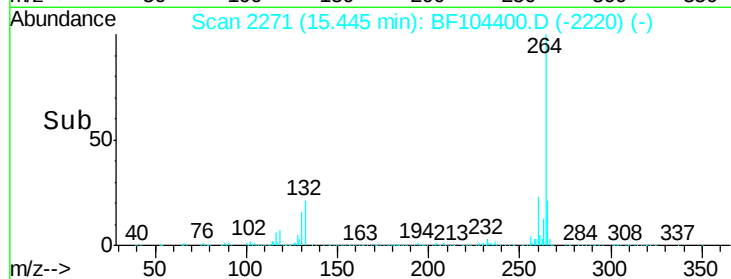
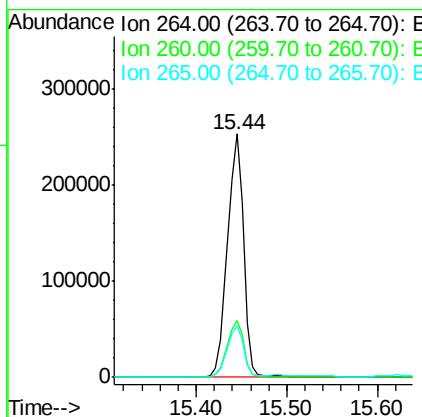
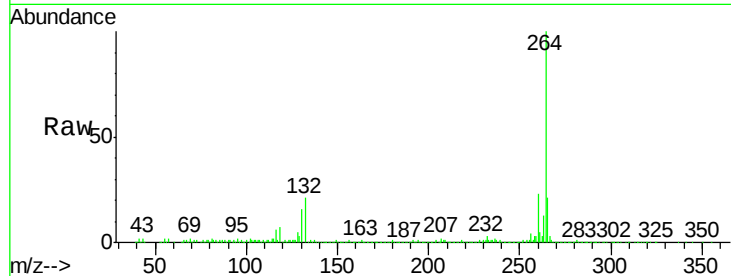
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.4	17.5	26.3

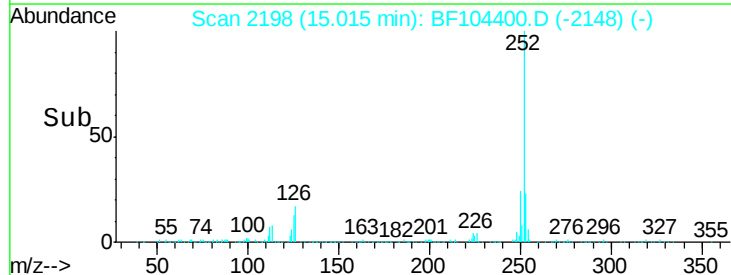
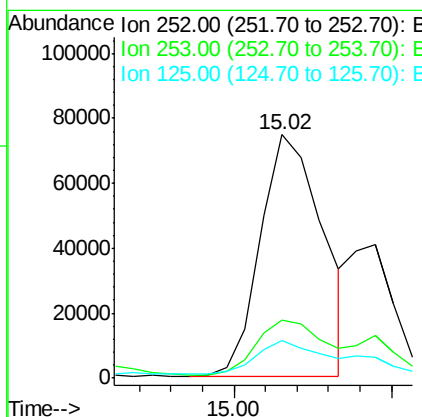
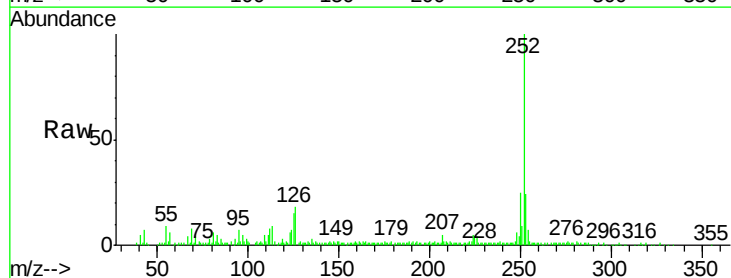
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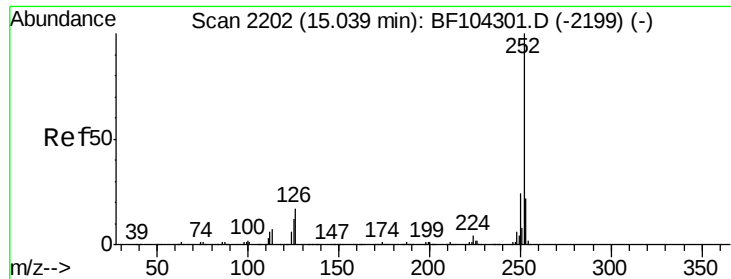
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#87
Benzo(b)fluoranthene
Concen: 5.225 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	15.2	9.0	13.6#





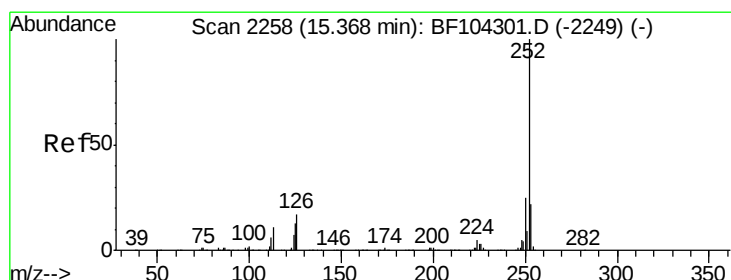
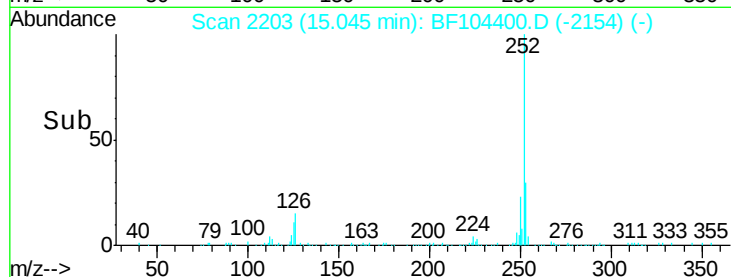
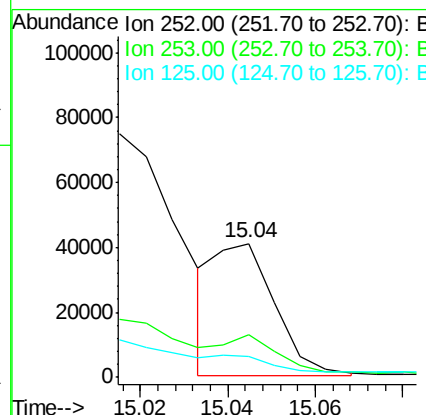
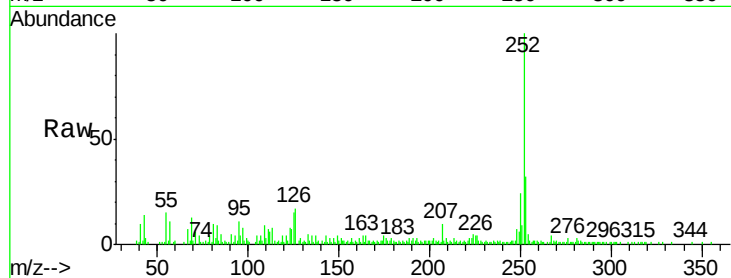
#88
Benzo(k)fluoranthene
Concen: 2.092 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampled :
S-3-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.9	26.9#
125	15.1	10.2	15.2

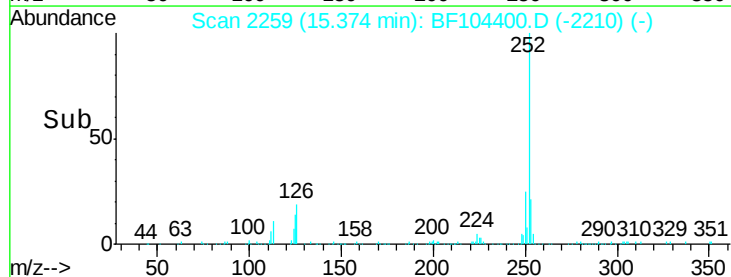
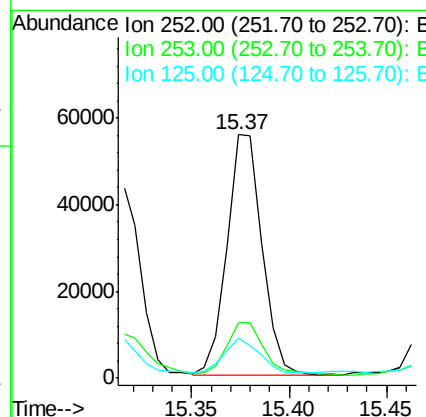
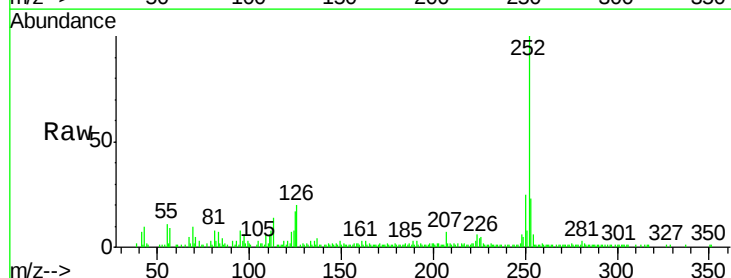
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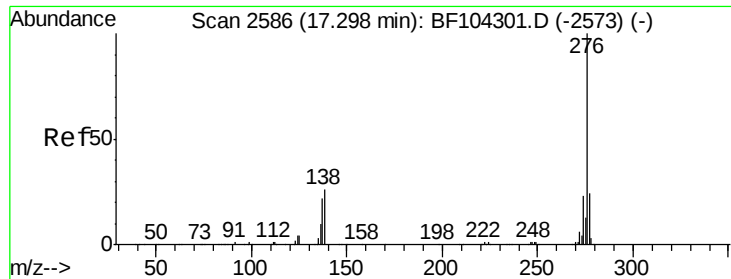
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#89
Benzo(a)pyrene
Concen: 3.951 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	16.7	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.669 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.02 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Tot Ion:	276	Resp:	37359
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.9	26.9
138	25.5	21.8	32.8

Manual Integrations
 APPROVED

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