

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101874.D
 Acq On : 3 Jan 2018 21:39
 Operator : SJ/JU
 Sample : J1004-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-COMP

Manual Integrations
 APPROVED

Sohil
 1/4/2018 1:56:43 PM

Quant Time: Jan 04 04:06:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	126573	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	463737	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	170238	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	283317	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	256976	20.00	ng	-0.02
86) Perylene-d12	15.42	264	198613	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	855314	100.66	ng	0.00
7) Phenol-d6	6.42	99	1014135	95.90	ng	-0.01
23) Nitrobenzene-d5	7.35	82	614565	73.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	142252	86.72	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	778578	70.95	ng	-0.02
78) Terphenyl-d14	12.87	244	588792	55.24	ng	-0.02
Target Compounds						
10) Phenol	6.43	94	46761	3.880	ng	Qvalue # 60
49) Dimethylphthalate	9.53	163	98774	7.213	ng	99
70) Phenanthrene	11.32	178	95201	6.042	ng	98
74) Fluoranthene	12.52	202	151076	9.135	ng	96
77) Pyrene	12.75	202	134245	6.961	ng	98
80) Benzo(a)anthracene	13.94	228	70179	4.136	ng	96
82) Chrysene	13.98	228	73081	4.561	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	33851	2.373	ng	# 93
87) Benzo(b)fluoranthene	15.00	252	81130m	6.702	ng	
88) Benzo(k)fluoranthene	15.02	252	25135m	2.135	ng	
89) Benzo(a)pyrene	15.36	252	54792	4.910	ng	97
91) Benzo(a,h,i)perylene	17.37	276	29421	3.101	ng	97

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

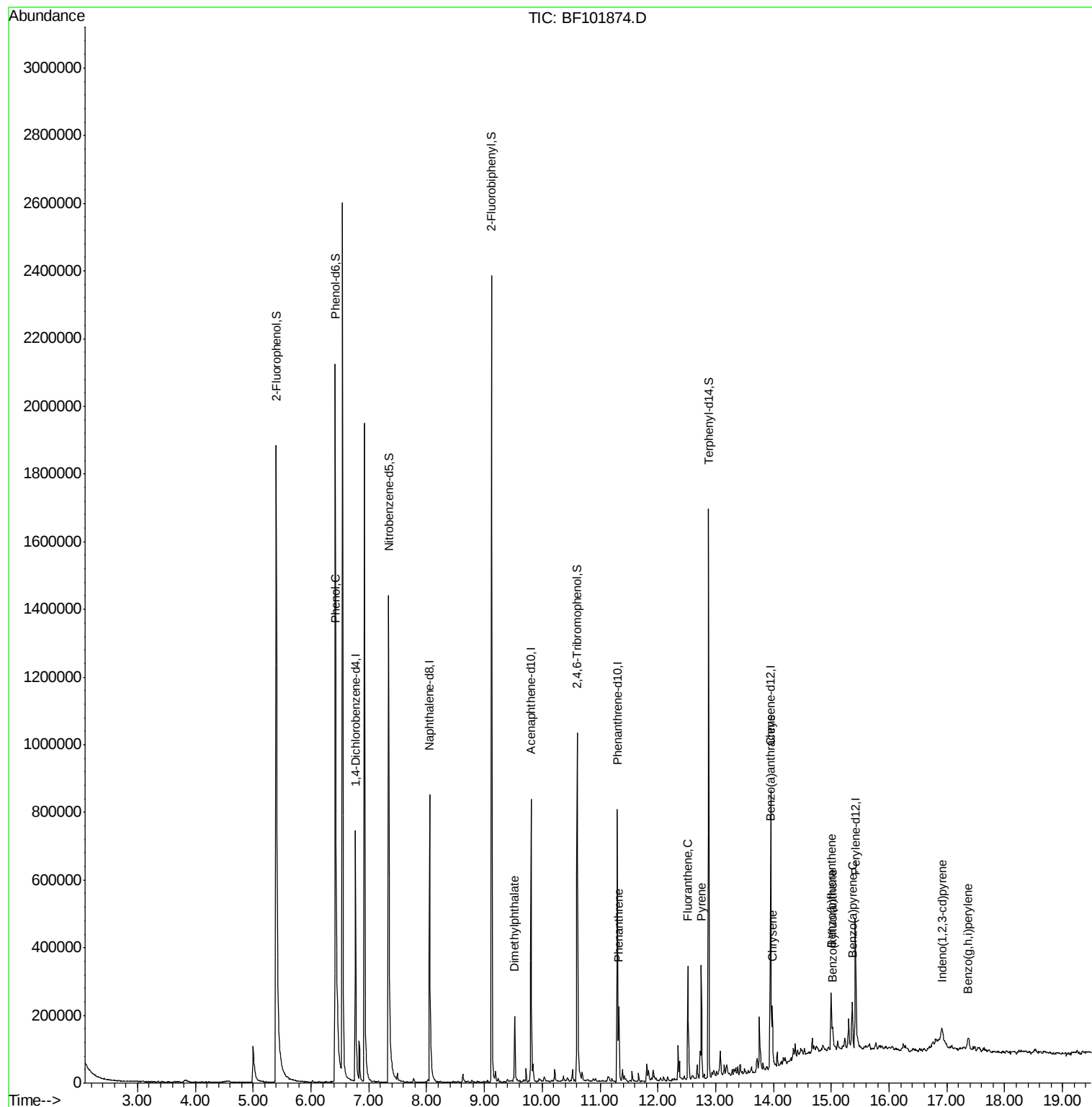
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
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ALS Vial : 21 Sample Multiplier: 1

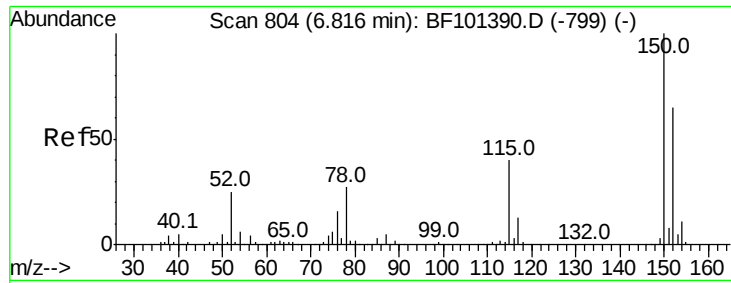
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#1

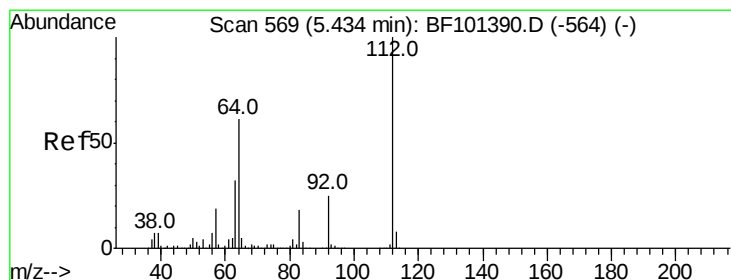
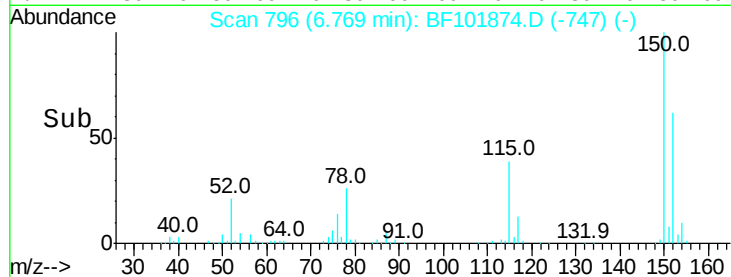
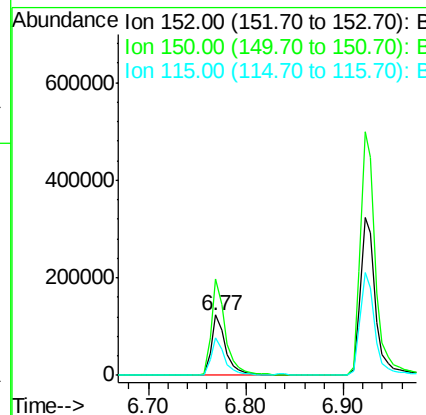
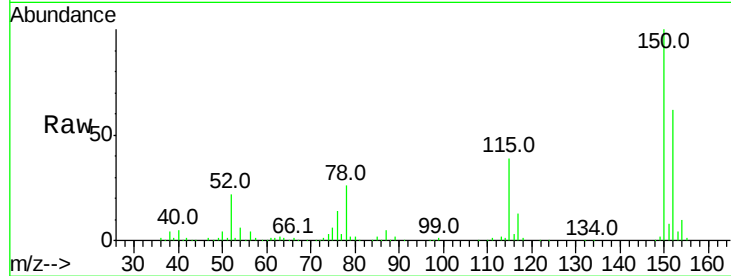
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	61.8	50.1	75.1

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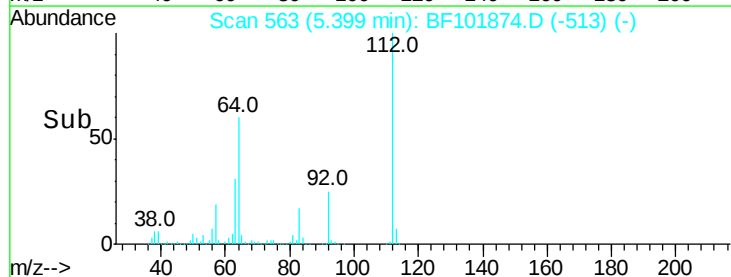
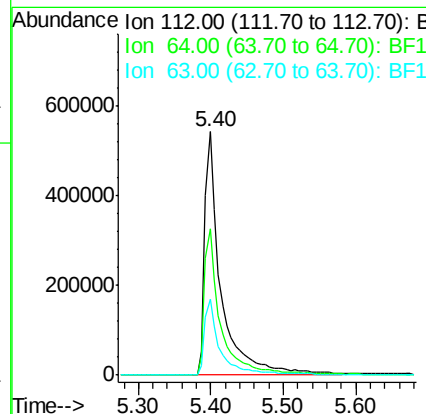
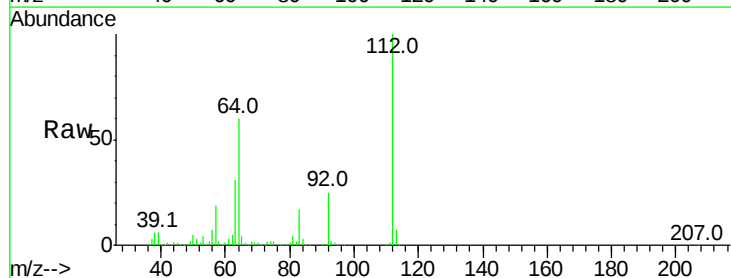
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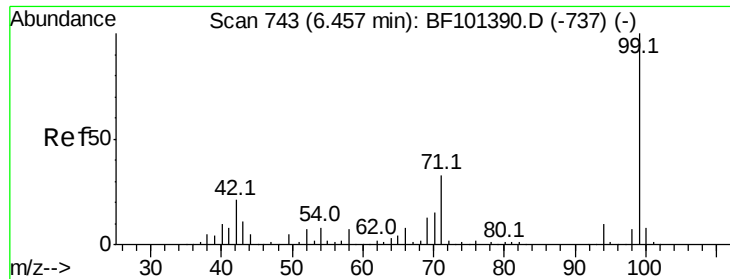


#5

2-Fluorophenol
Concen: 100.658 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 95.898 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

ClientSampleId :

SB-16-COMP

Tot Ion: 99 Resp: 1014135

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

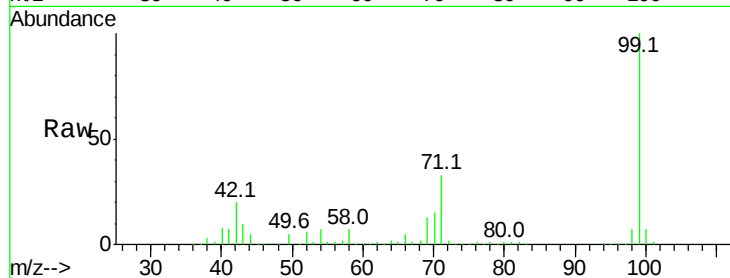
71 32.9 25.4 38.0

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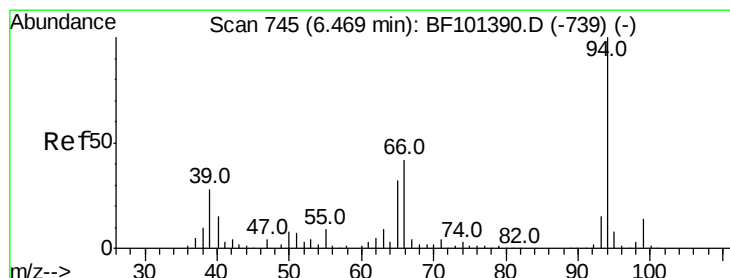
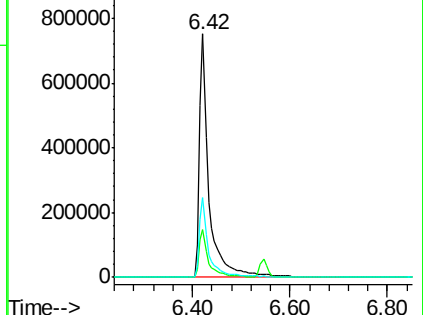
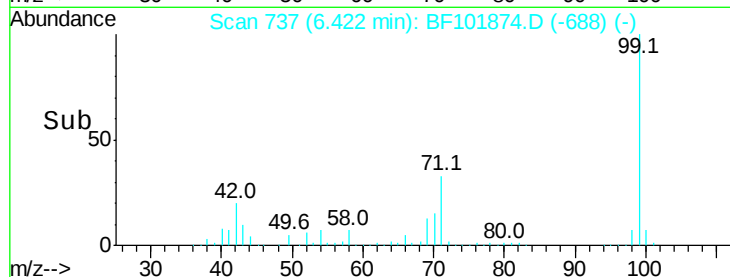
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.880 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

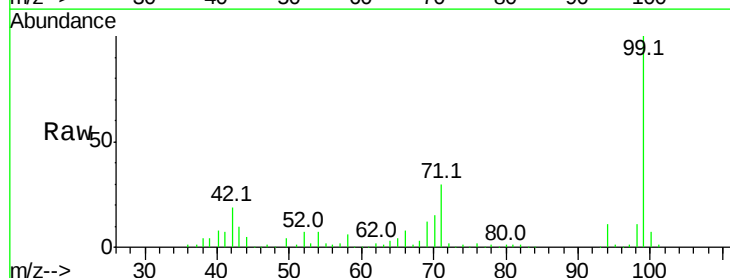
Tgt Ion: 94 Resp: 46761

Ion Ratio Lower Upper

94 100

65 35.8 7.9 47.9

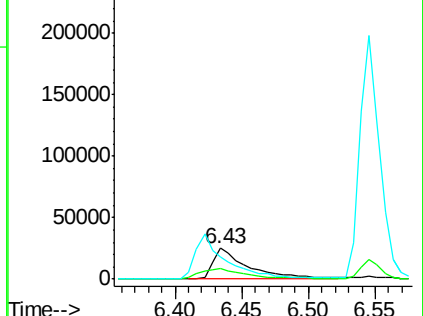
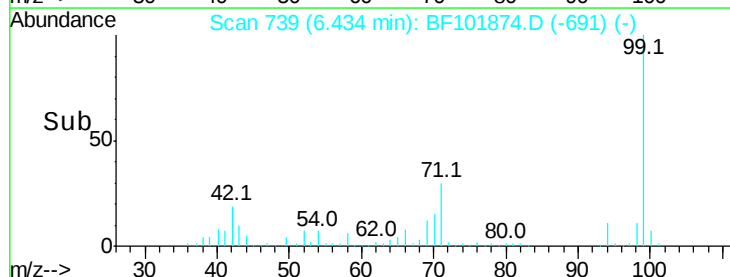
66 71.0 16.2 56.2#

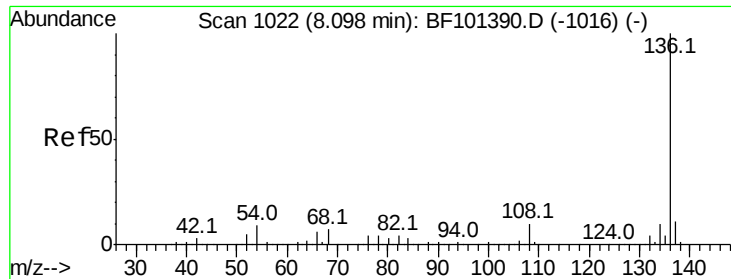


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





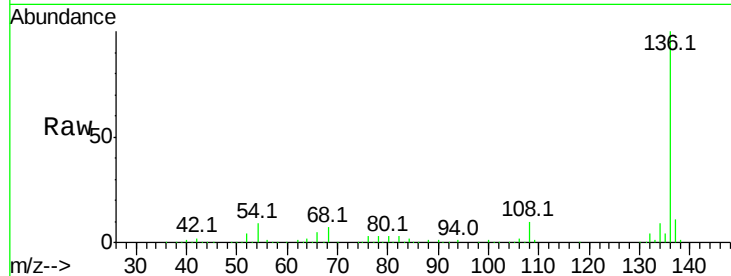
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :
SB-16-COMP

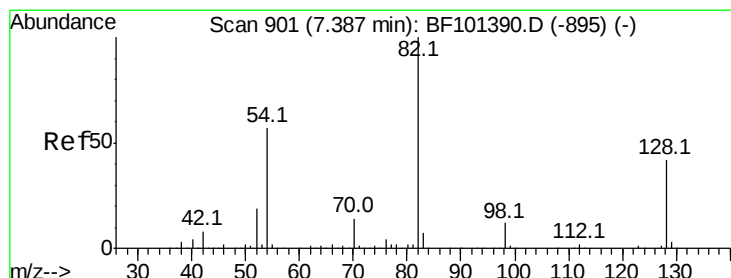
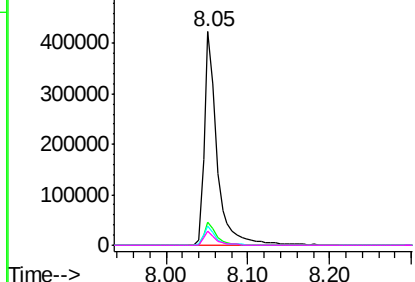
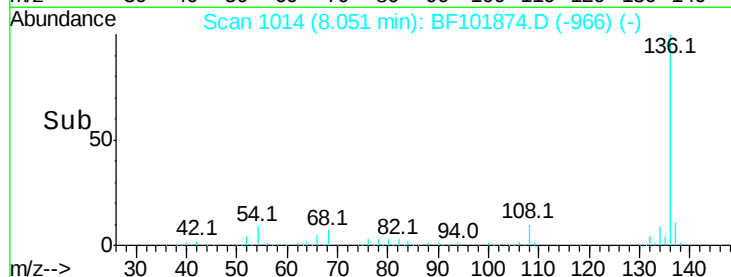
Tot Ion	Ratio	Resp	Lower	Upper
136	100	463737		
137	11.1		8.9	13.3
54	8.9		6.6	9.8
68	6.7		5.0	7.4

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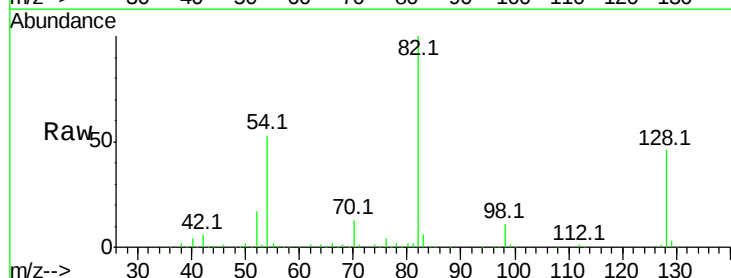


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

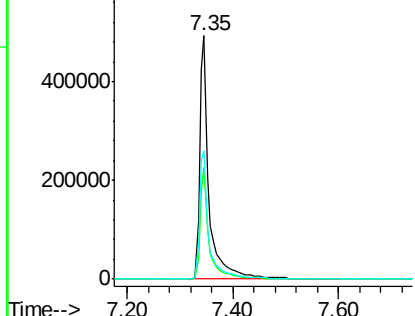
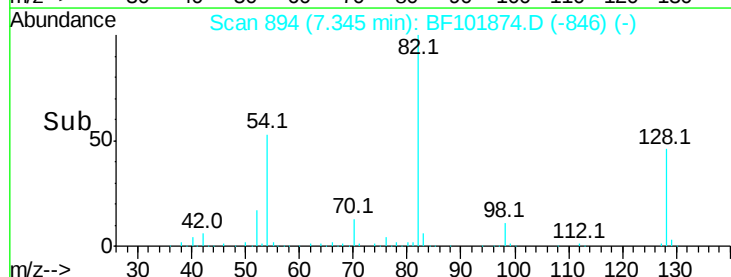


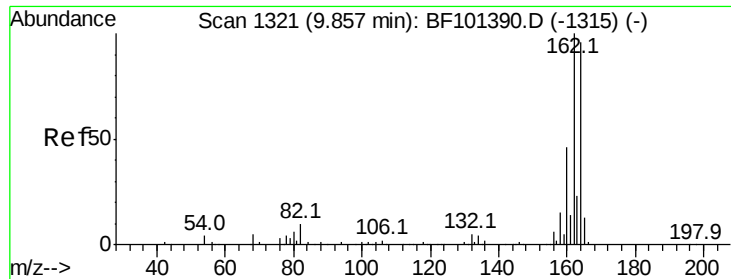
#23
Nitrobenzene-d5
Concen: 73.771 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	614565		
128	45.8		36.1	54.1
54	52.7		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: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

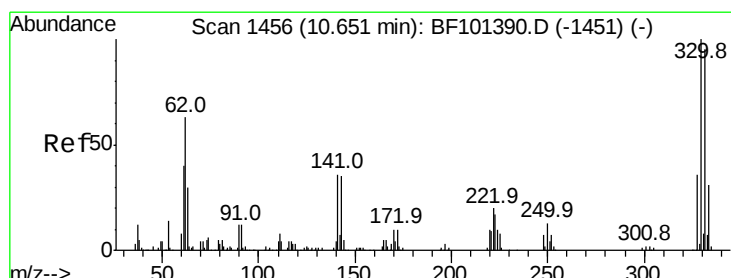
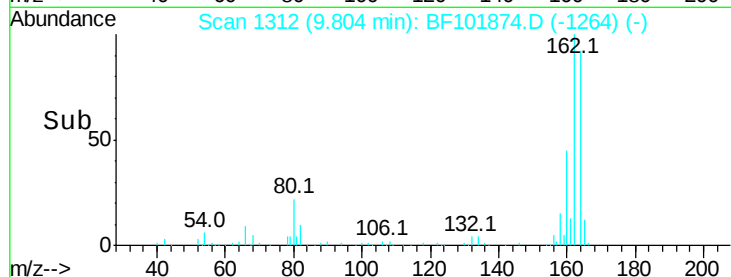
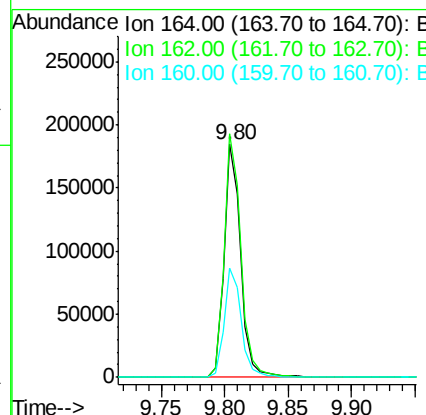
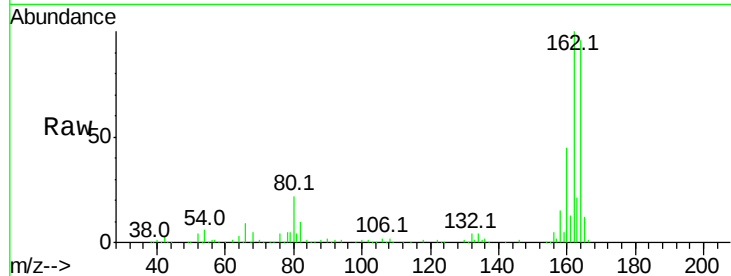
ClientSampleId :

SB-16-COMP

Tot Ion:	164	Resp:	170238
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	46.7	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 86.719 ng

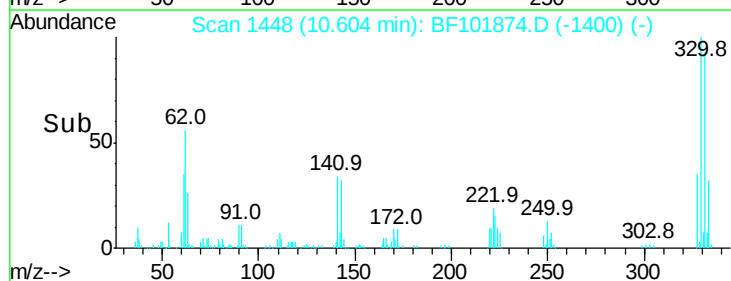
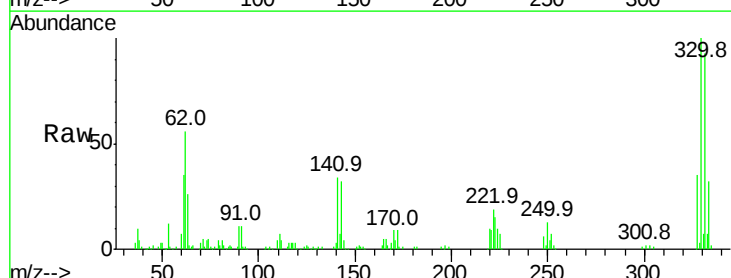
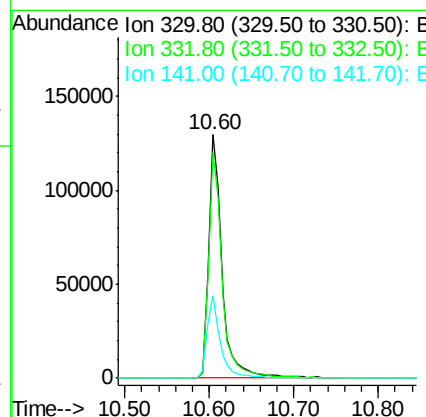
RT: 10.60 min Scan# 1448

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Tgt Ion:	330	Resp:	142252
Ion Ratio	Lower	Upper	
330	100		
332	93.4	77.0	115.6
141	33.8	29.9	44.9





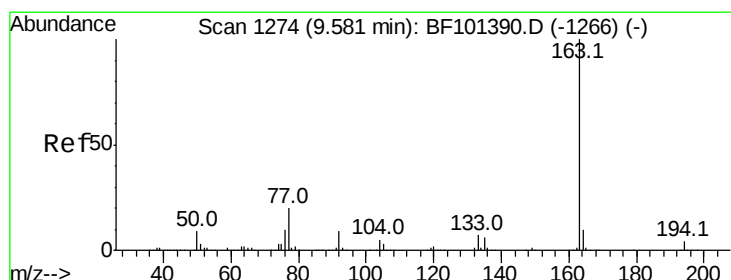
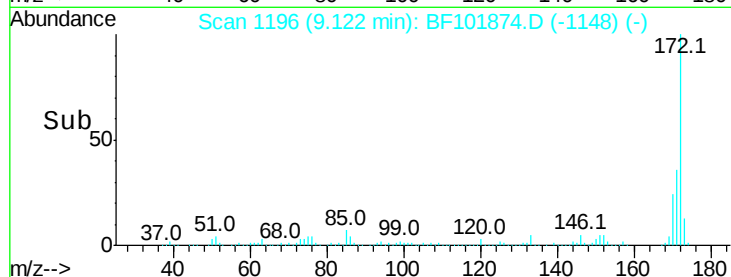
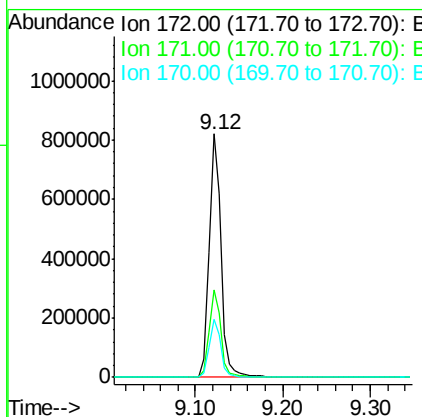
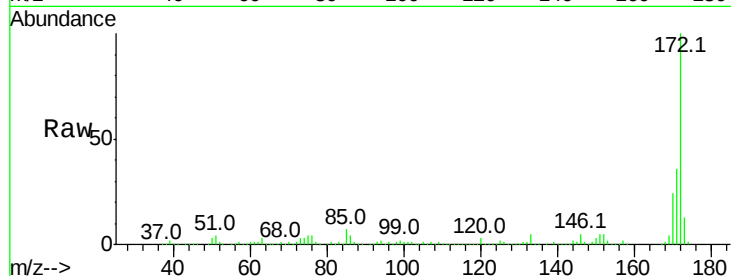
#44
2-Fluorobiphenyl
Concen: 70.946 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	778578		
171	36.1		29.7	44.5
170	23.9		19.6	29.4

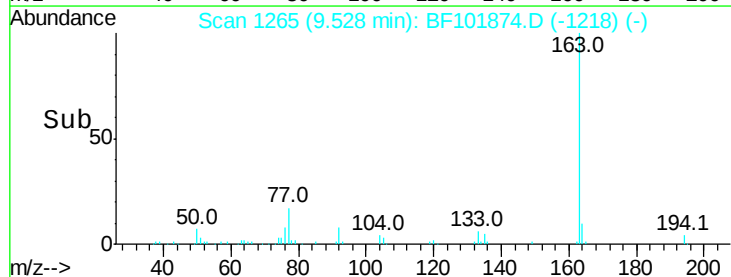
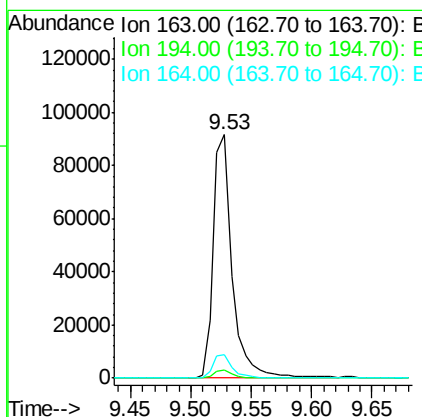
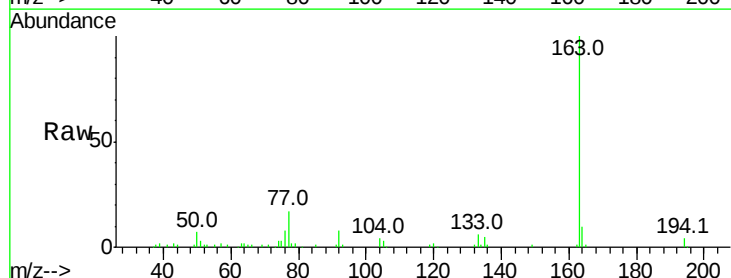
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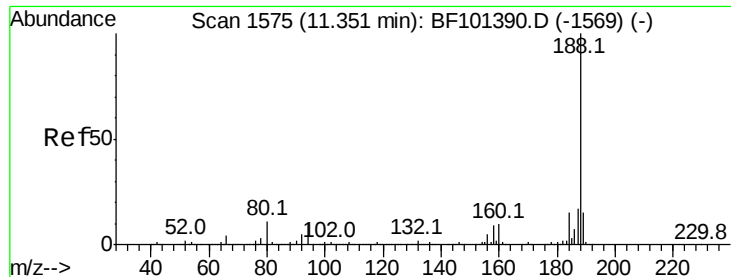
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#49
Dimethylphthalate
Concen: 7.213 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	98774		
194	3.5		2.7	4.1
164	9.6		8.2	12.2





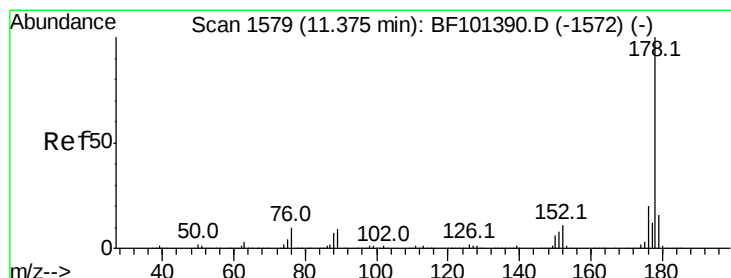
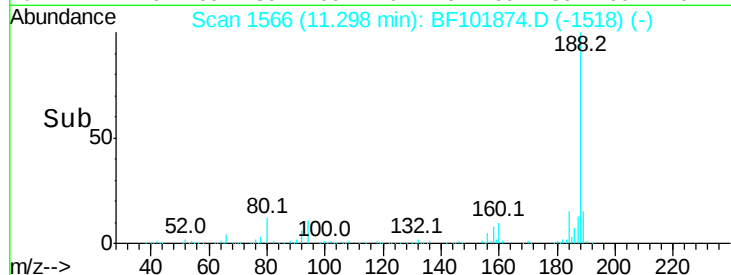
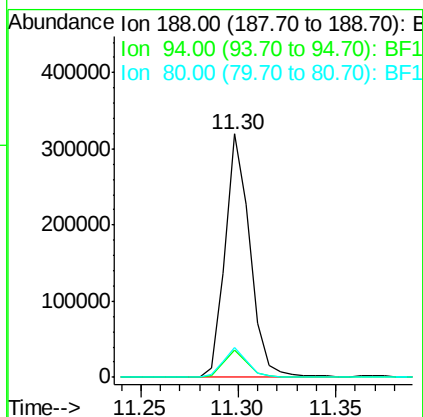
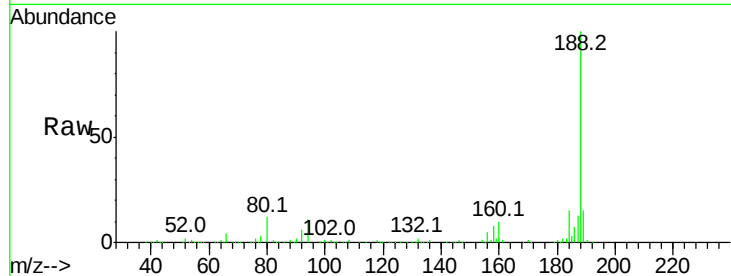
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
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SB-16-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	283317		
94	11.1		8.5	12.7
80	12.1		9.2	13.8

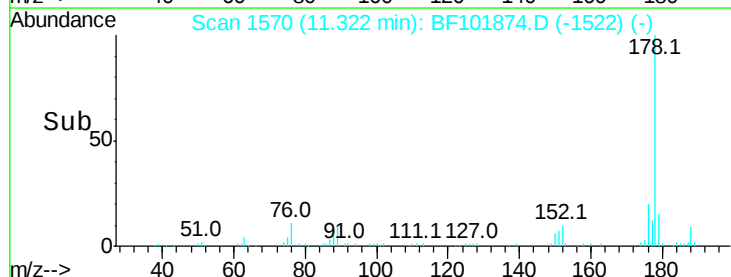
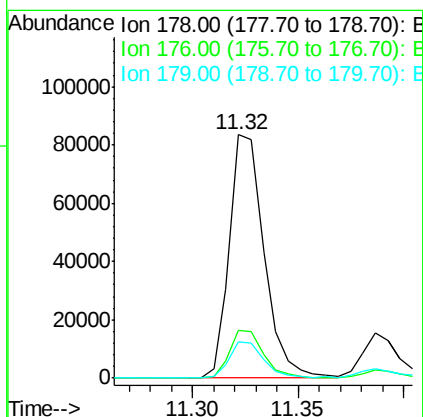
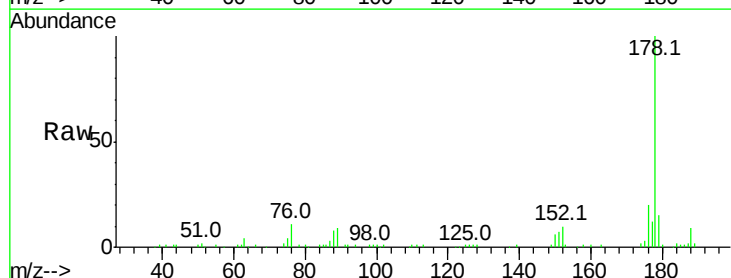
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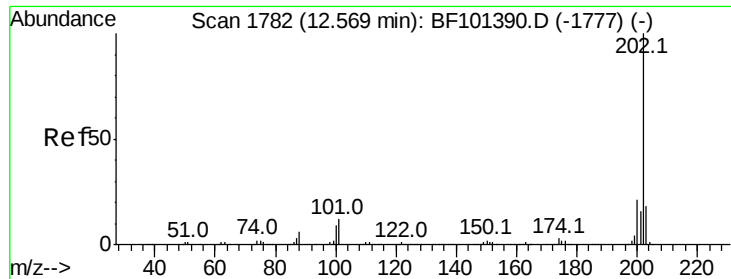
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#70
Phenanthrene
Concen: 6.042 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	95201		
176	19.5		15.8	23.8
179	15.0		13.0	19.6





#74

Fluoranthene

Concen: 9.135 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

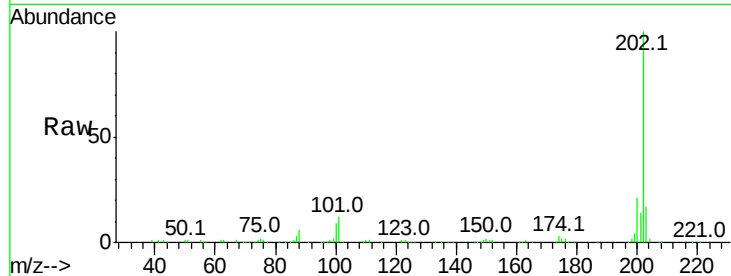
ClientSampleId :

SB-16-COMP

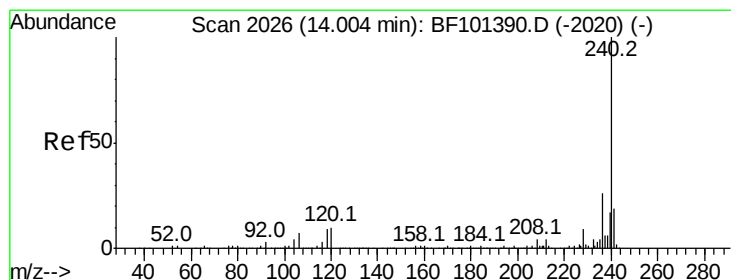
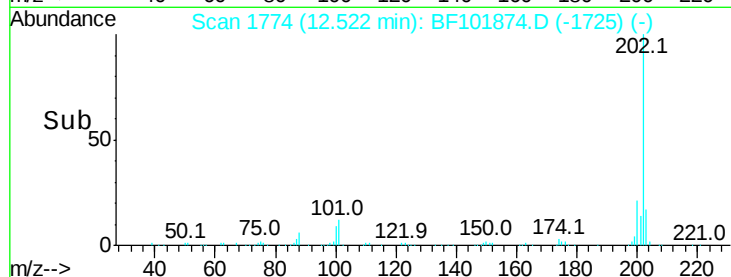
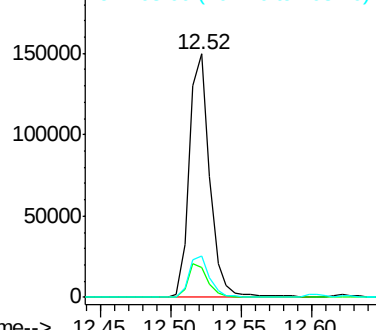
Tot Ion:	202	Resp:	151076
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

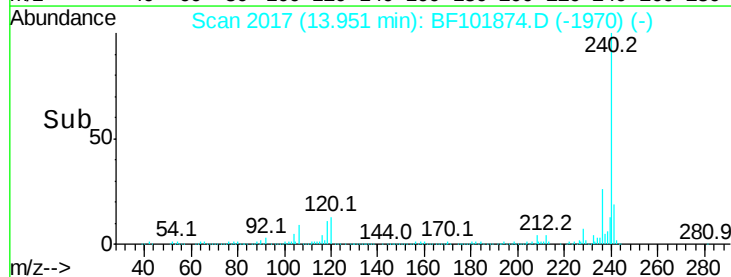
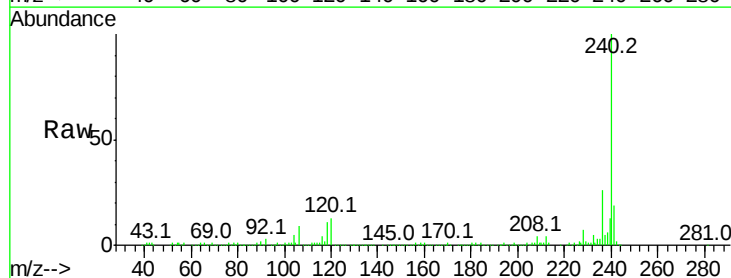
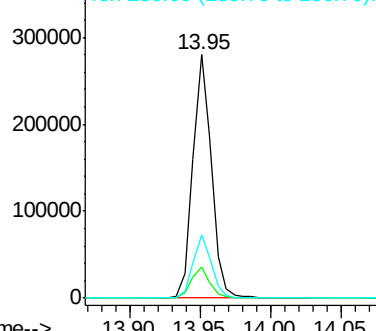
Delta R.T. -0.02 min

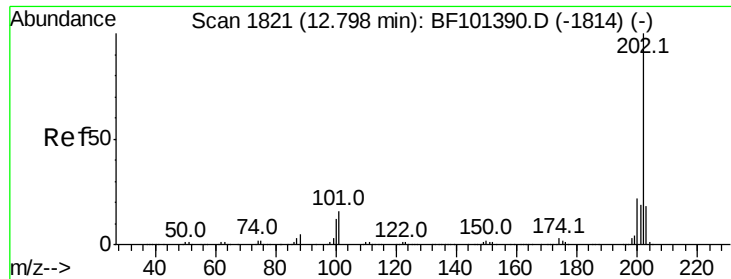
Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Tgt Ion:	240	Resp:	256976
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	26.1	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





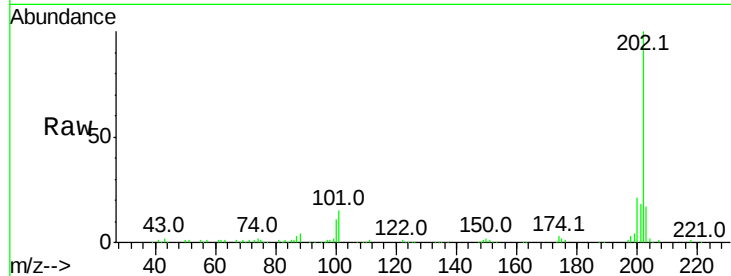
#77
Pvrene
Concen: 6.961 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :
SB-16-COMP

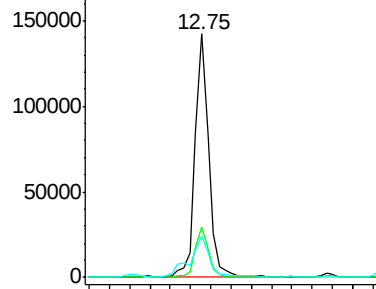
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	16.8	14.3	21.5

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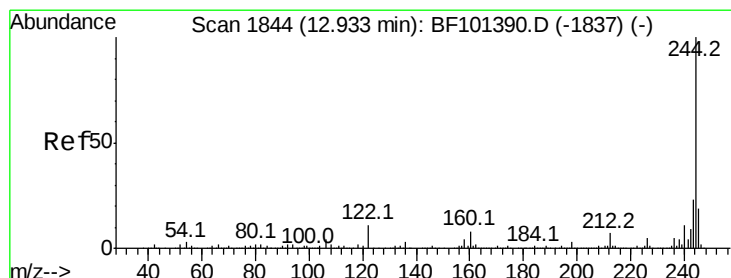
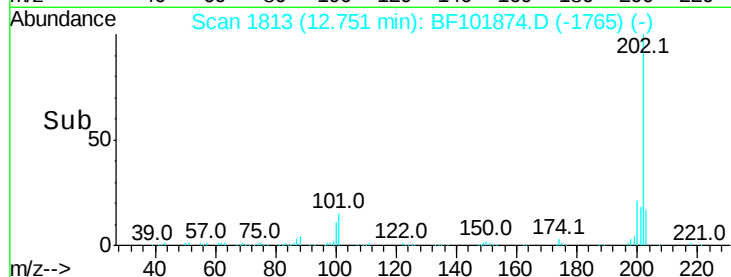
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



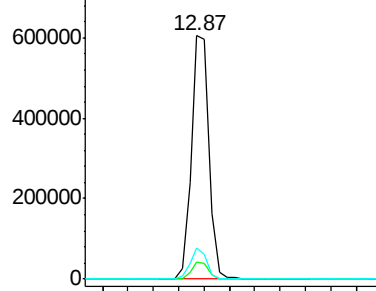
Time-->



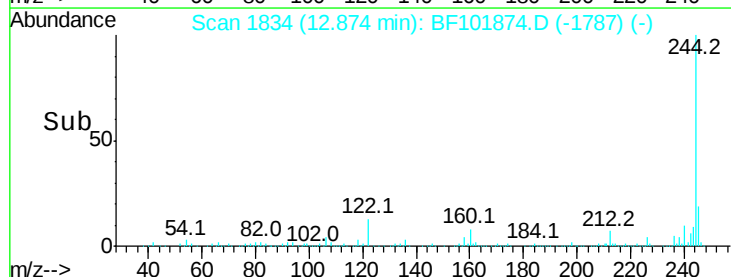
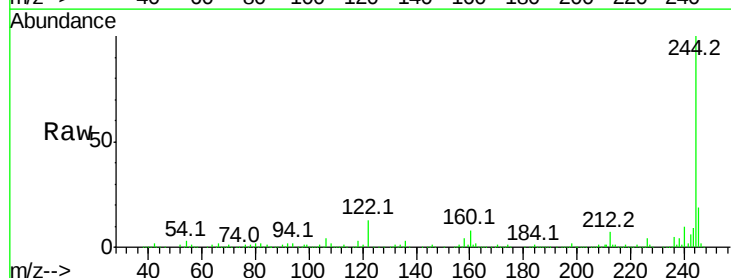
#78
Terphenyl-d14
Concen: 55.236 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

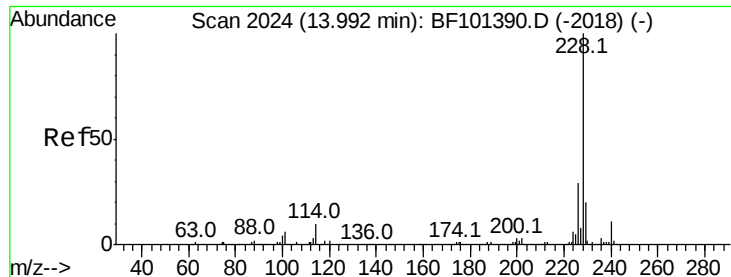
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.0	11.0	16.4

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



Time-->





#80

Benzo(a)anthracene

Concen: 4.136 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

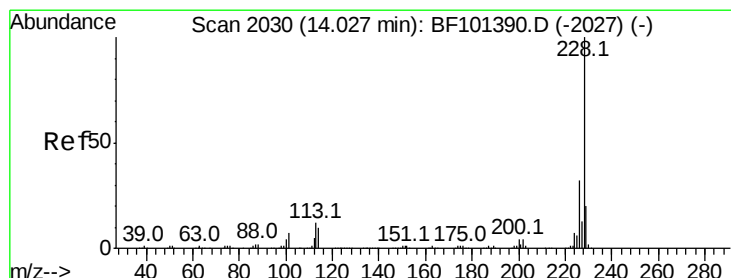
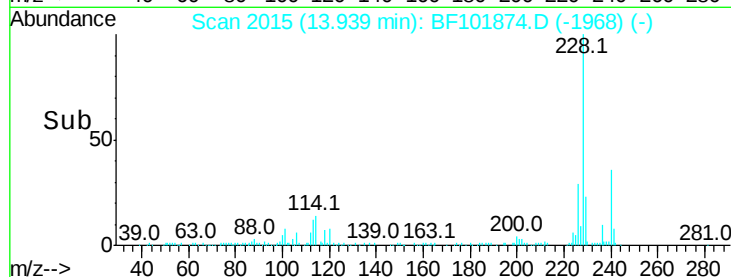
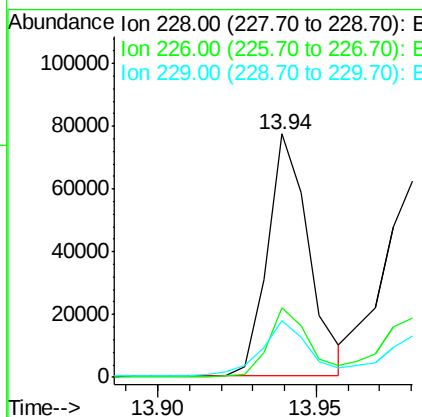
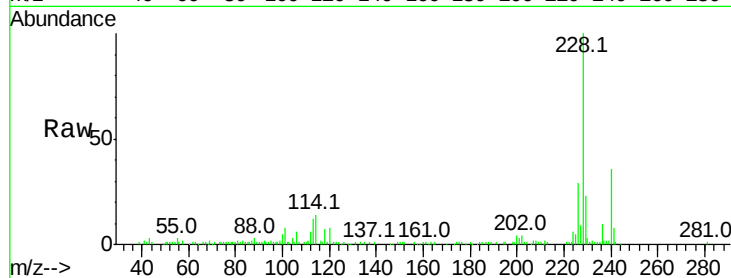
ClientSampled :

SB-16-COMP

Tot Ion:	228	Resp:	70179
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.6	33.8
229	23.1	15.8	23.6

Manual Integrations
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1/4/2018 1:56:43 PM



#82

Chrysene

Concen: 4.561 ng

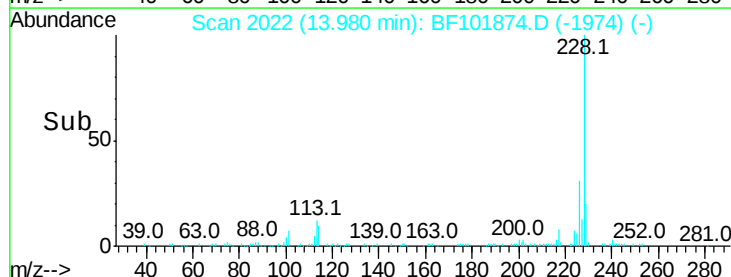
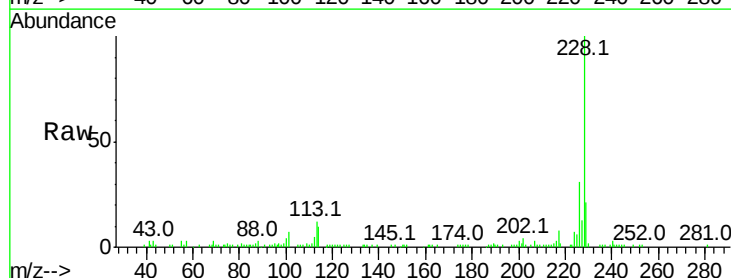
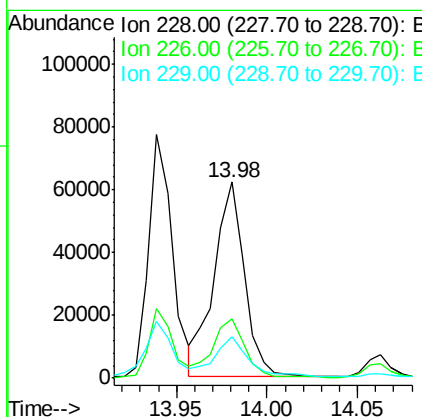
RT: 13.98 min Scan# 2022

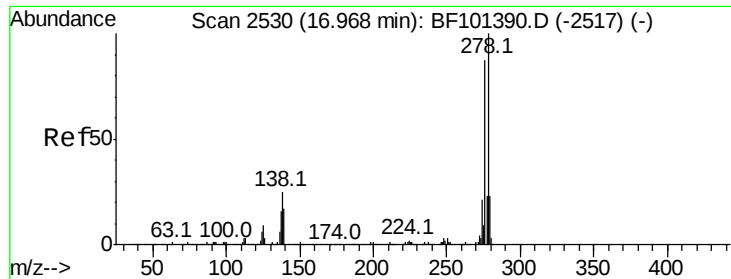
Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Tgt Ion:	228	Resp:	73081
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	20.9	16.2	24.4





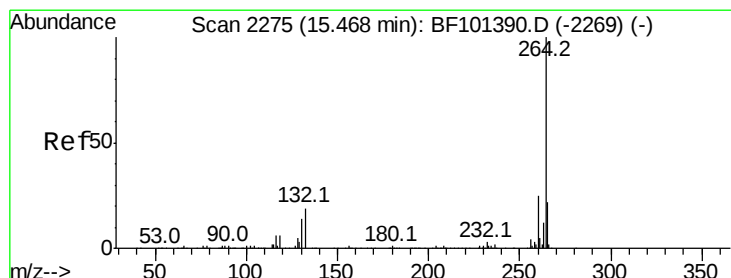
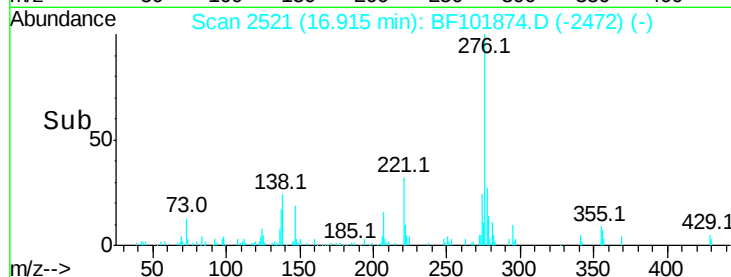
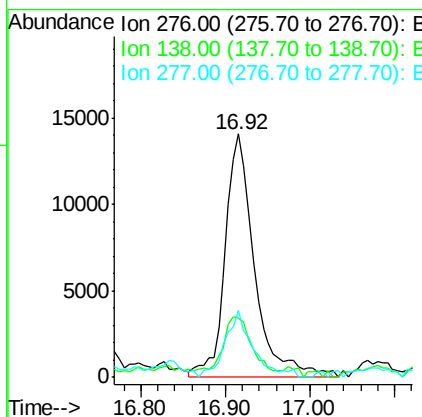
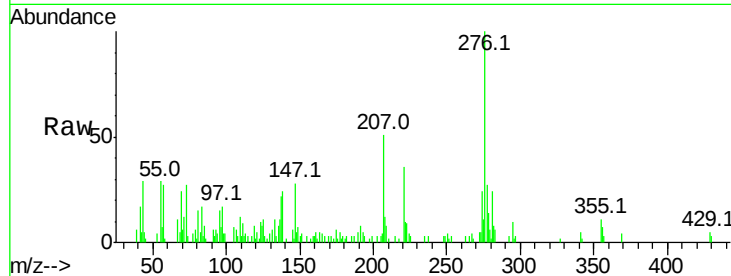
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.373 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.0	37.6#
277	25.9	20.1	30.1

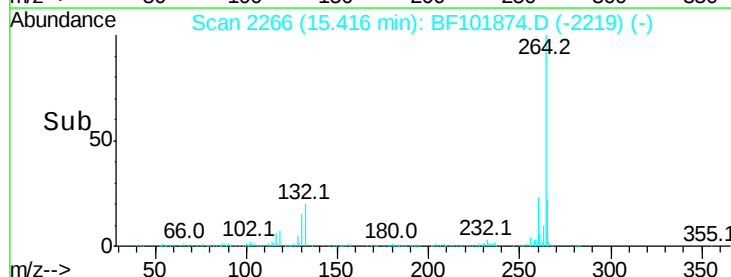
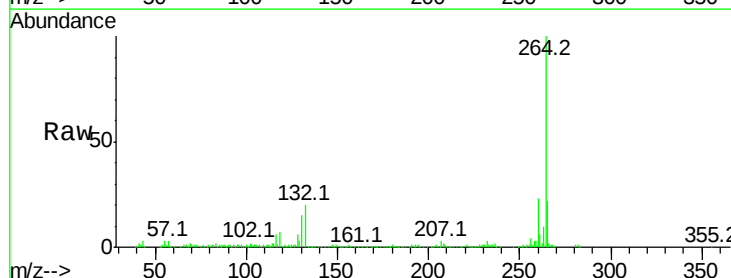
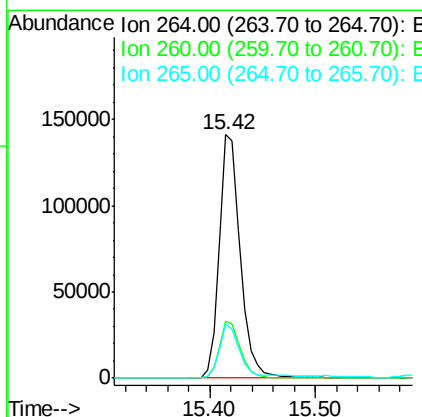
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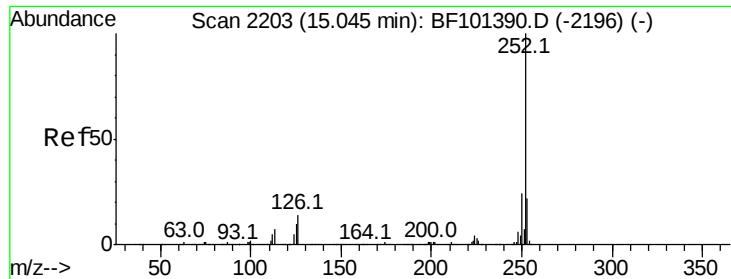
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.02 min
 Lab File: BF101874.D
 Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.702 ng m

RT: 15.00 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Instrument :

BNA_F

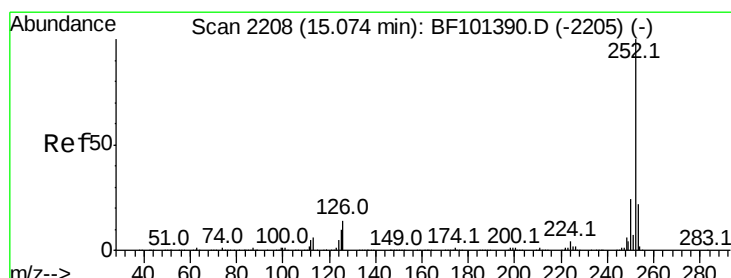
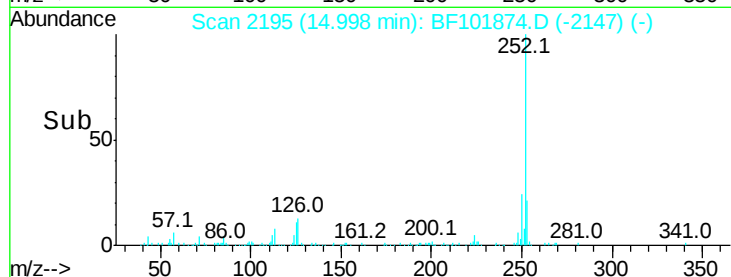
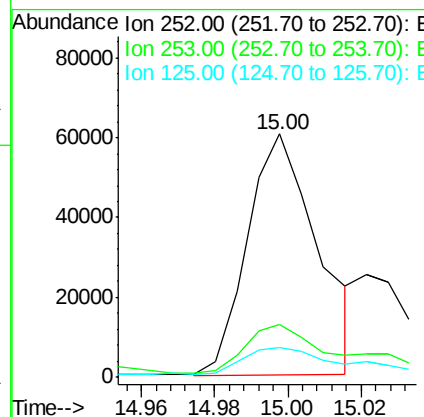
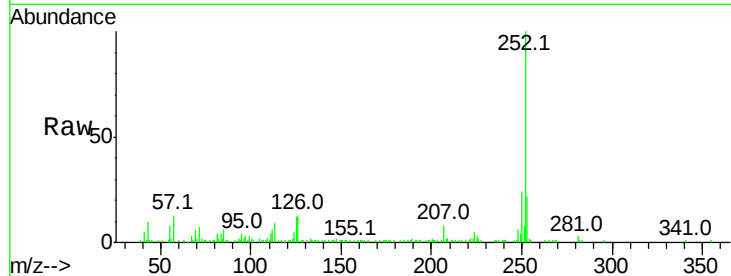
ClientSampleId :

SB-16-COMP

Tot Ion:	252	Resp:	81130
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	12.4	9.0	13.6

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1/4/2018 1:56:43 PM



#88

Benzo(k)fluoranthene

Concen: 2.135 ng m

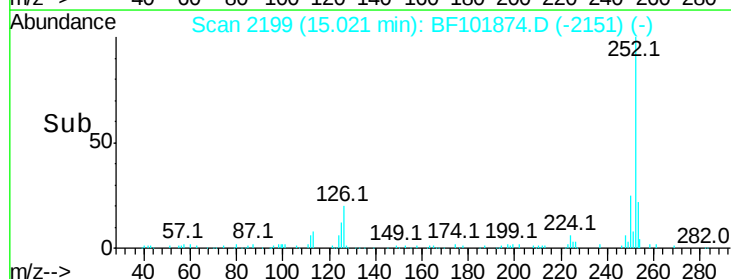
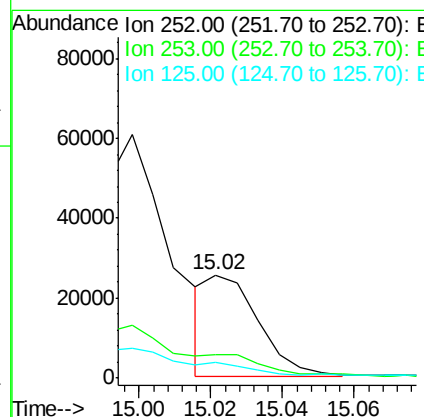
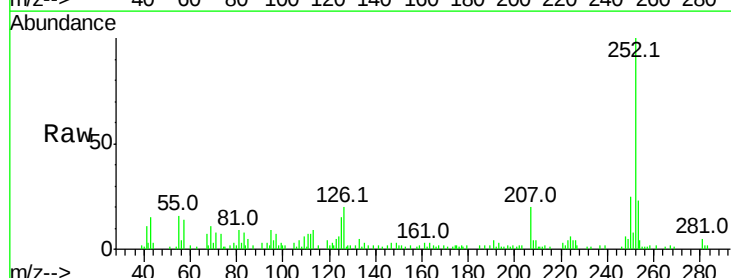
RT: 15.02 min Scan# 2199

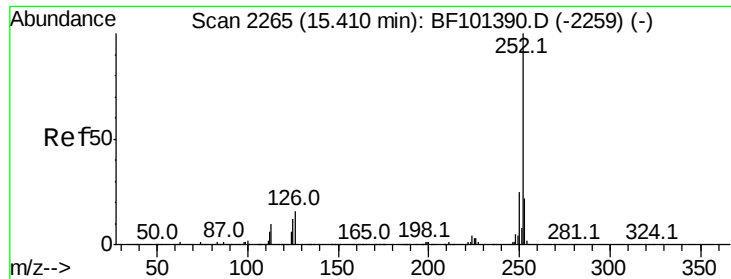
Delta R.T. -0.02 min

Lab File: BF101874.D

Acq: 3 Jan 2018 21:39

Tgt Ion:	252	Resp:	25135
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	15.0	10.2	15.2





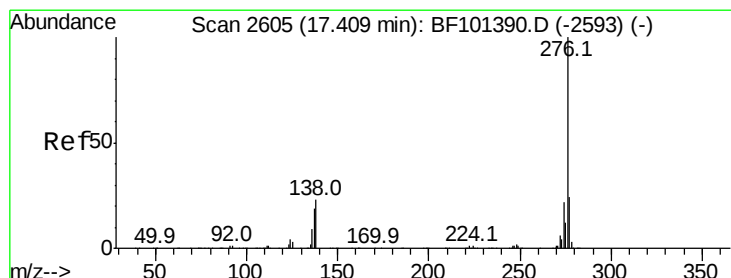
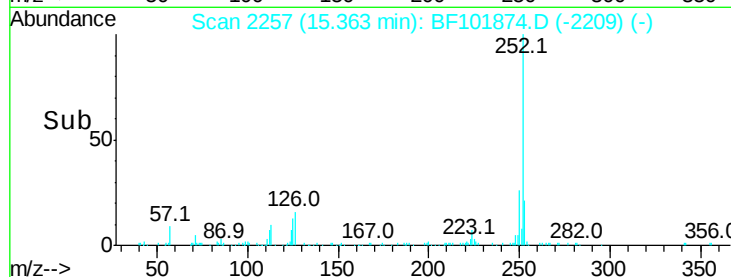
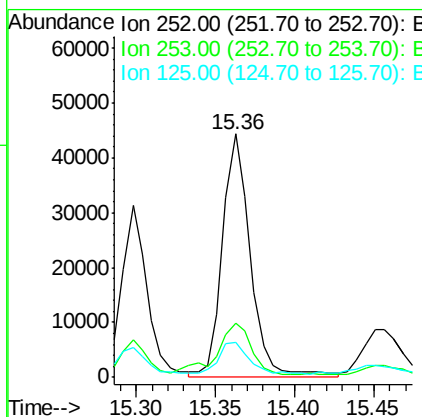
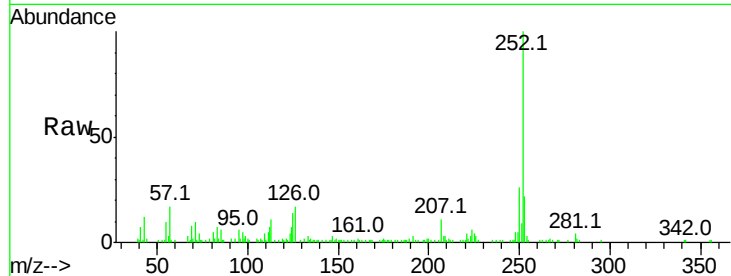
#89
Benzo(a)pyrene
Concen: 4.910 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Instrument :
BNA_F
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.1	9.8	14.6

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1/4/2018 1:56:43 PM



#91
Benzo(g,h,i)perylene
Concen: 3.101 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.00 min
Lab File: BF101874.D
Acq: 3 Jan 2018 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	28.4	21.8	32.8

