

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101883.D
 Acq On : 4 Jan 2018 3:32
 Operator : SJ/JU
 Sample : J1004-18 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Manual Integrations
 APPROVED

Sohil
 1/4/2018 1:57:00 PM

Quant Time: Jan 04 05:41:32 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	122915	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	436754	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	153992	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	274943	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	266914	20.00	ng	-0.02
86) Perylene-d12	15.42	264	202933	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	424571	51.45	ng	0.00
7) Phenol-d6	6.42	99	511408	49.80	ng	-0.01
23) Nitrobenzene-d5	7.35	82	284303	36.24	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	64656	43.57	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	325552	32.79	ng	-0.02
78) Terphenyl-d14	12.87	244	272826	24.64	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.53	163	29802	2.406	ng	99
70) Phenanthrene	11.32	178	184803	12.087	ng	97
71) Anthracene	11.39	178	35834m	2.294	ng	
74) Fluoranthene	12.52	202	204628	12.750	ng	98
77) Pyrene	12.75	202	188751	9.423	ng	99
80) Benzo(a)anthracene	13.94	228	92582	5.253	ng	94
82) Chrysene	13.98	228	97273	5.845	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	33392	2.253	ng	94
87) Benzo(b)fluoranthene	15.00	252	88486m	7.154	ng	
88) Benzo(k)fluoranthene	15.02	252	31089m	2.585	ng	
89) Benzo(a)pyrene	15.36	252	57937	5.081	ng	96
91) Benzo(a,h,i)perylene	17.37	276	29114	3.003	ng	# 92

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

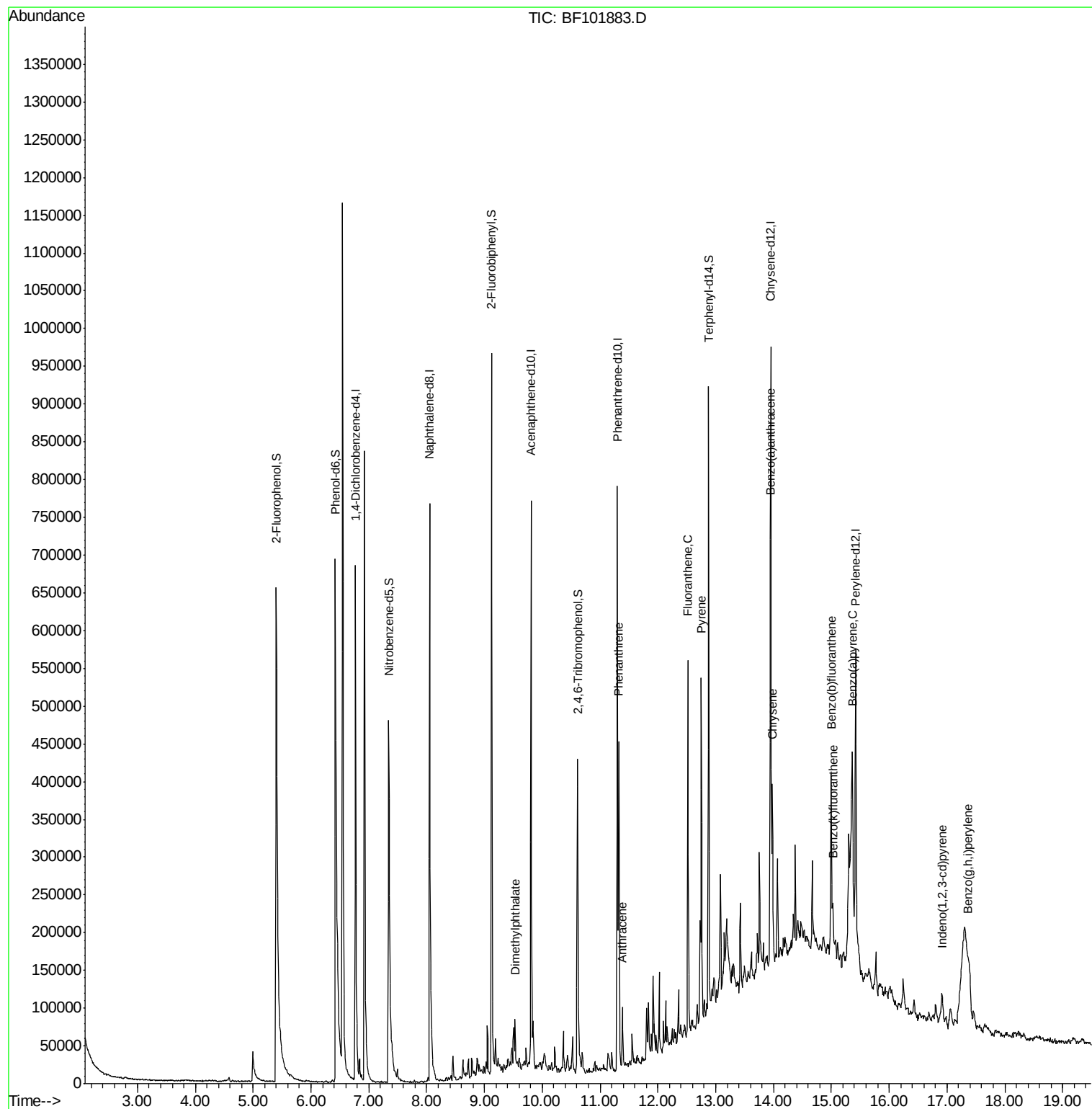
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101883.D
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Operator : SJ/JU
Sample : J1004-18 2X
Misc :
ALS Vial : 28 Sample Multiplier: 1

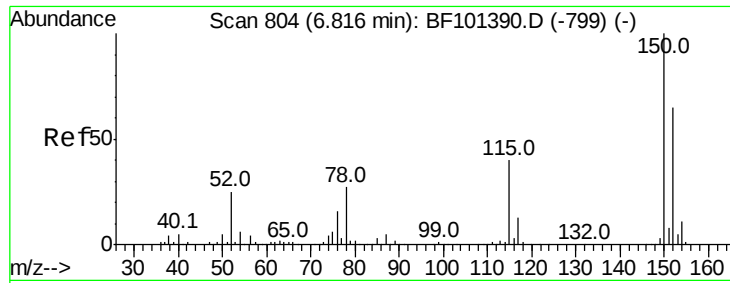
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

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#1

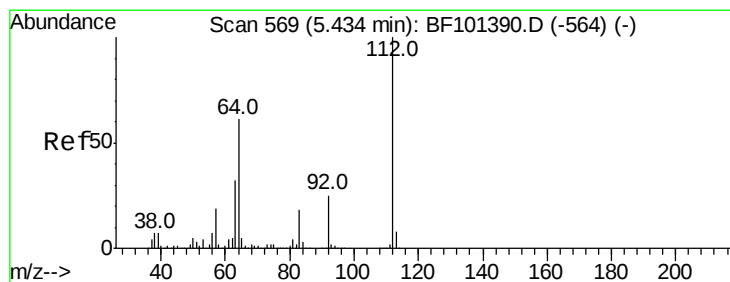
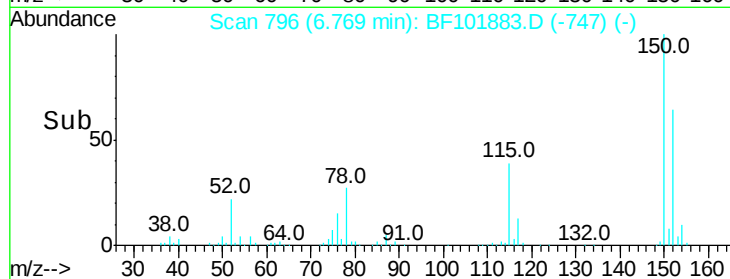
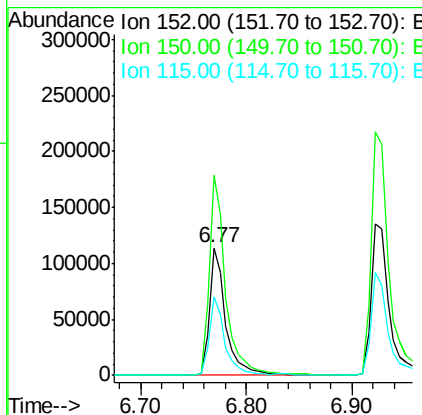
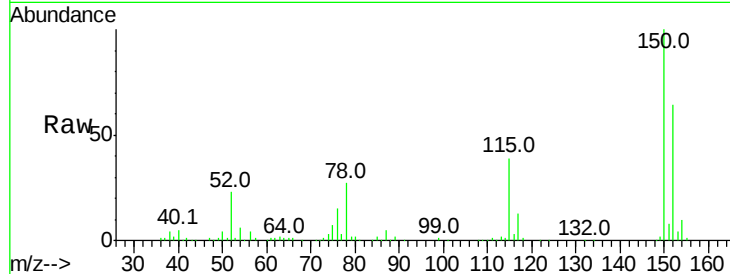
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	61.4	50.1	75.1

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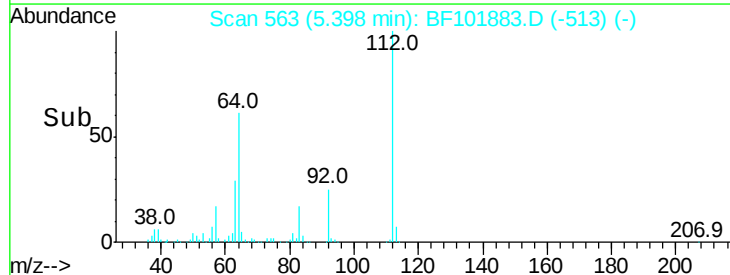
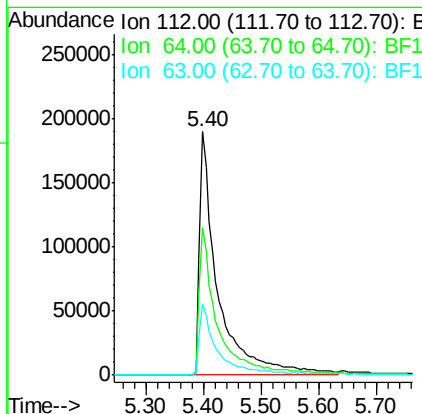
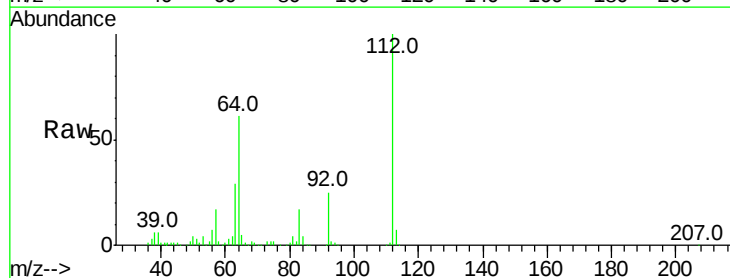
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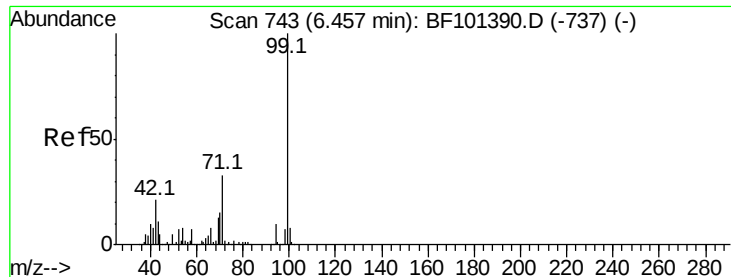


#5

2-Fluorophenol
Concen: 51.453 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 49.799 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101883.D

Acq: 4 Jan 2018 3:32

Instrument :

BNA_F

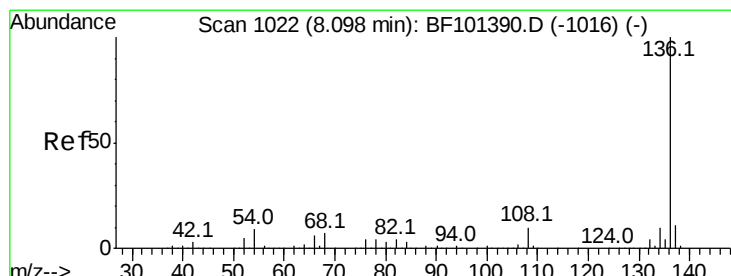
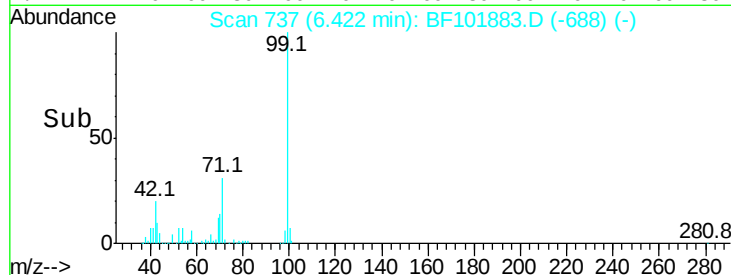
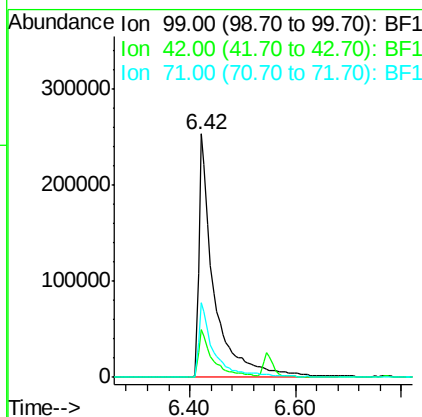
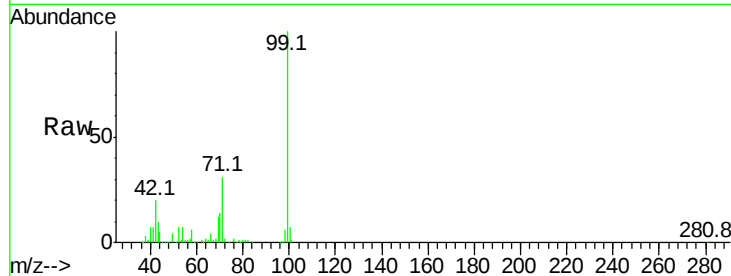
ClientSampleId :

SB-12-COMP

Tot Ion:	99	Resp:	511408
Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

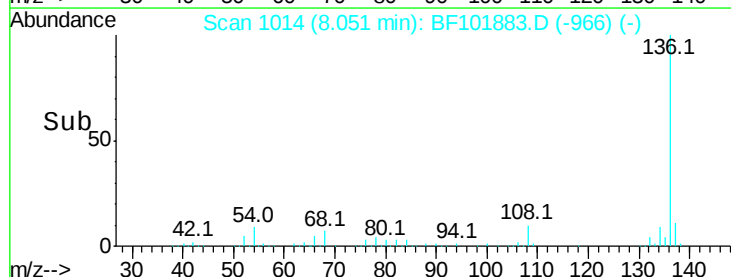
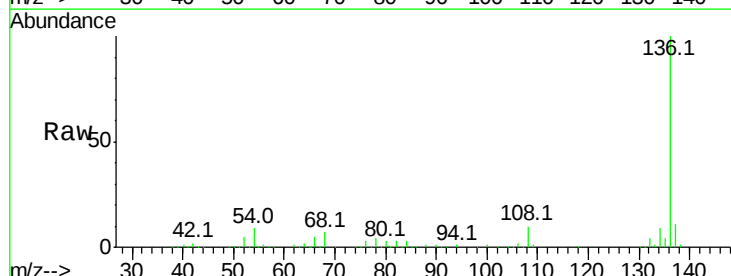
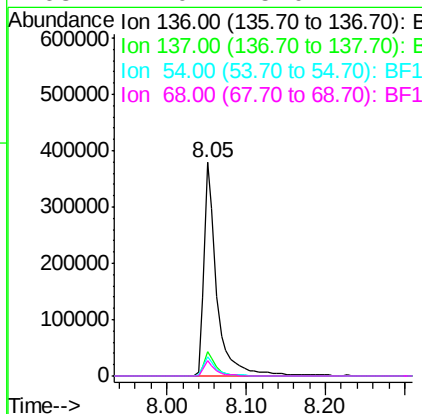
RT: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF101883.D

Acq: 4 Jan 2018 3:32

Tgt Ion:	136	Resp:	436754
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.2	6.6	9.8
68	7.0	5.0	7.4





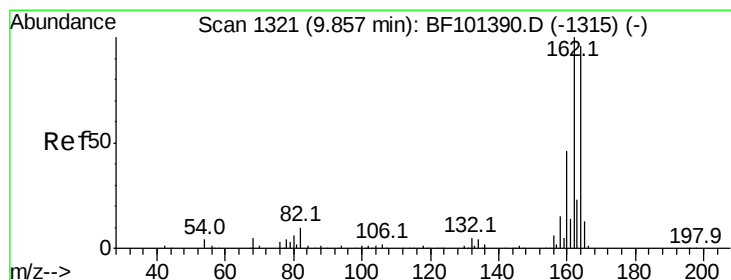
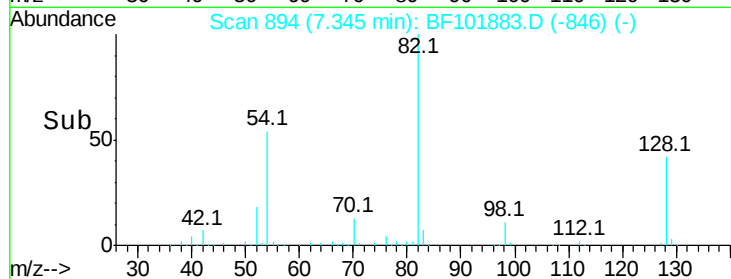
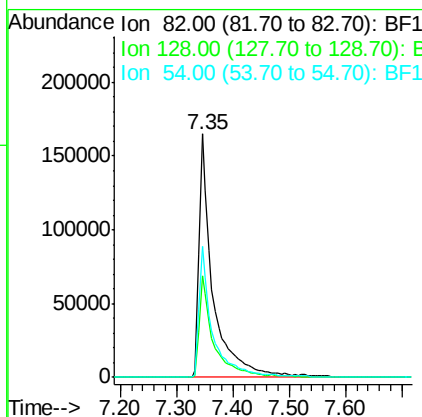
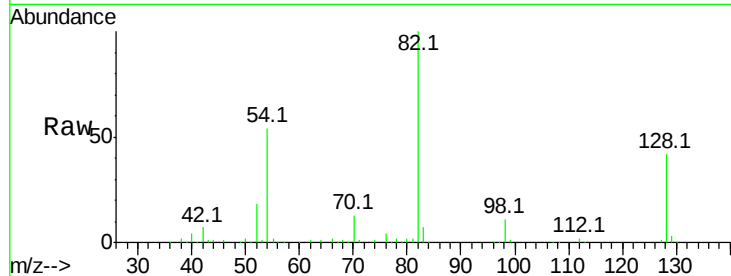
#23
Nitrobenzene-d5
Concen: 36.235 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	53.8	41.4	62.2

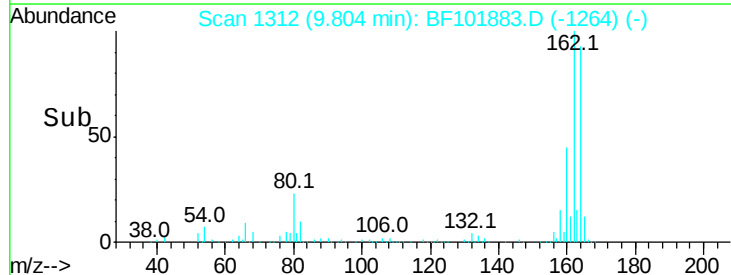
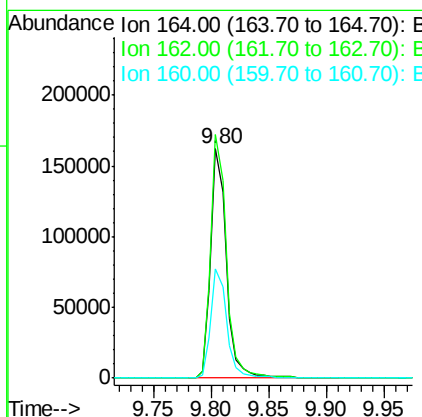
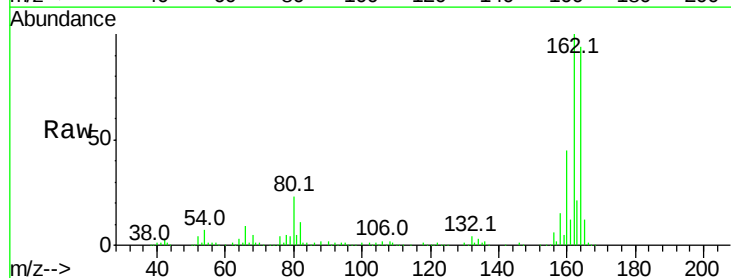
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	47.9	38.3	57.5





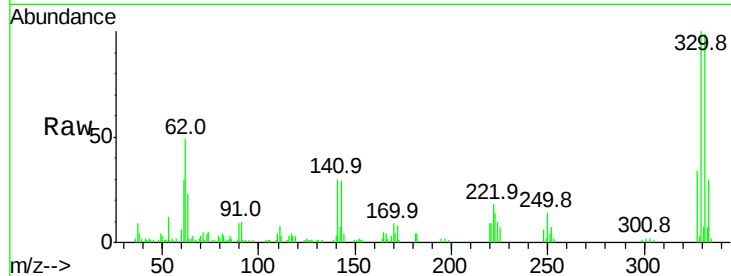
#41
 2,4,6-Tribromophenol
 Concen: 43.574 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF101883.D
 Acq: 4 Jan 2018 3:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

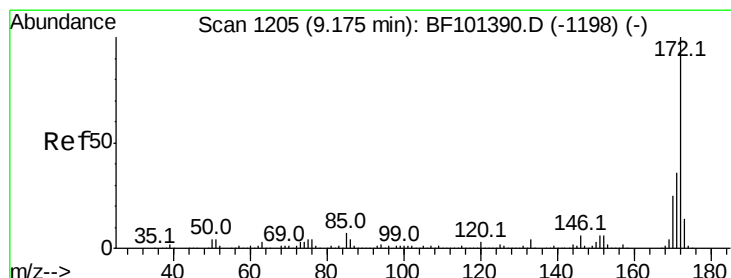
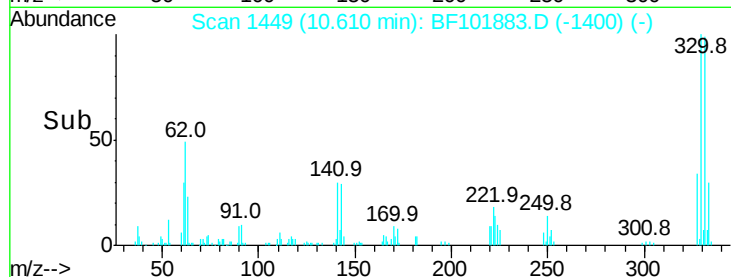
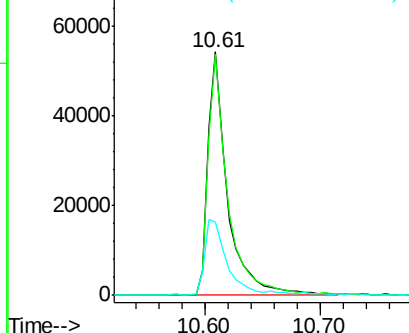
Tot Ion	Ratio	Resp	Lower	Upper
330	100	64656		
332	99.7	77.0	115.6	
141	36.6	29.9	44.9	

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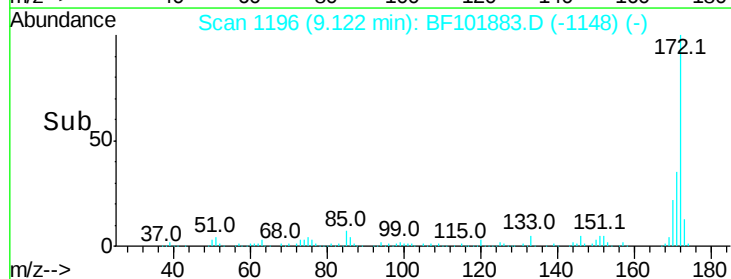
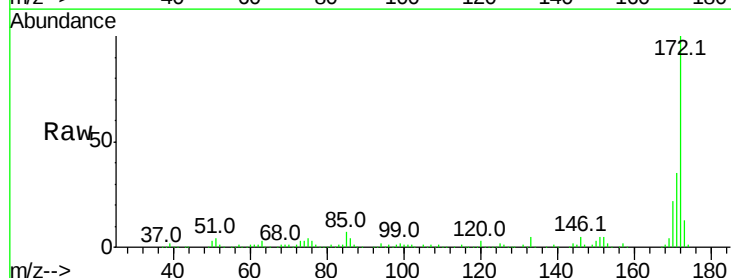
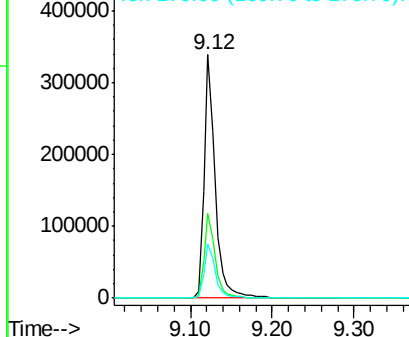
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

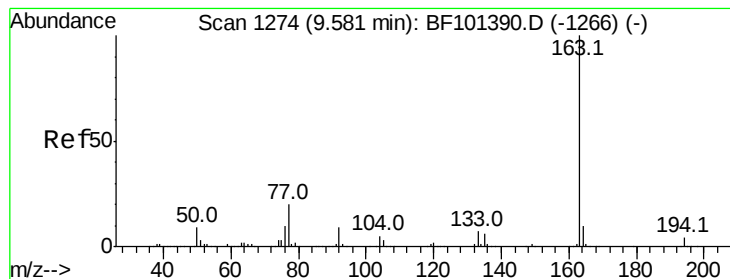


#44
 2-Fluorobiphenyl
 Concen: 32.795 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF101883.D
 Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	325552		
171	34.9	29.7	44.5	
170	22.0	19.6	29.4	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.406 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101883.D

Acq: 4 Jan 2018 3:32

Instrument :

BNA_F

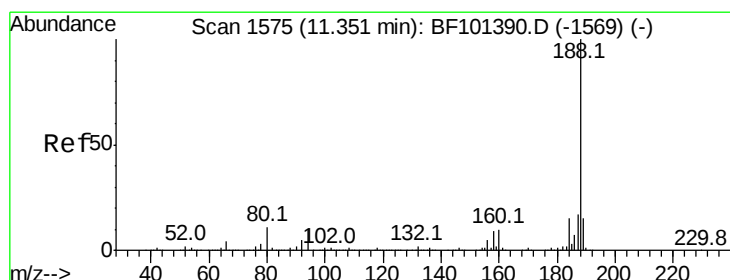
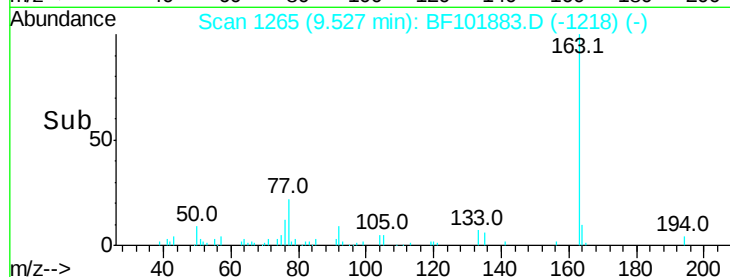
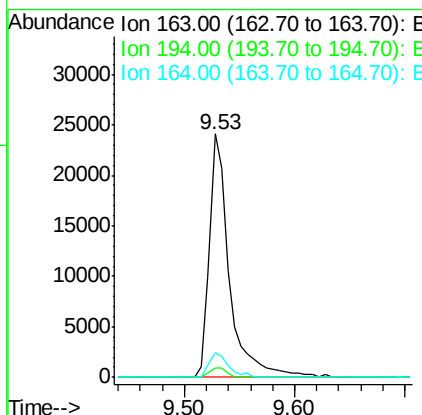
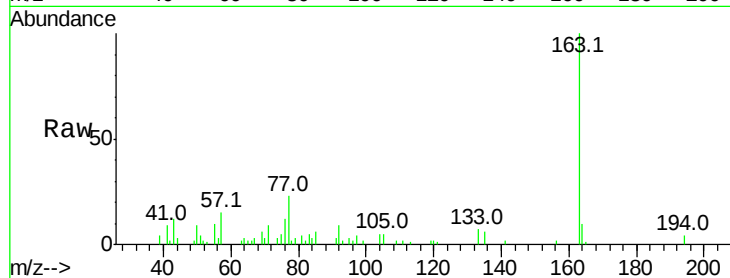
ClientSampleId :

SB-12-COMP

Tot Ion:	163	Resp:	29802
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.0	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

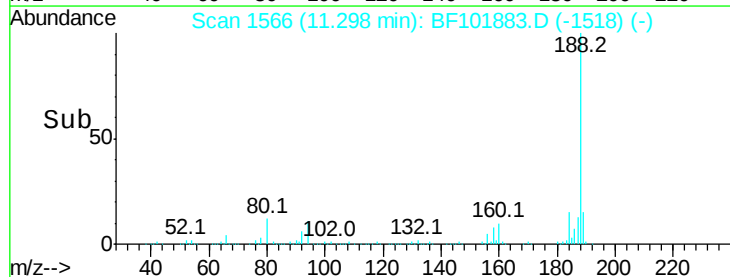
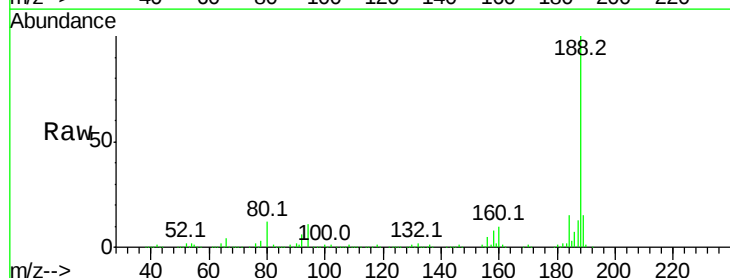
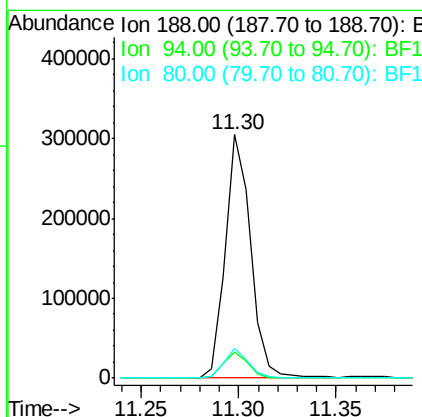
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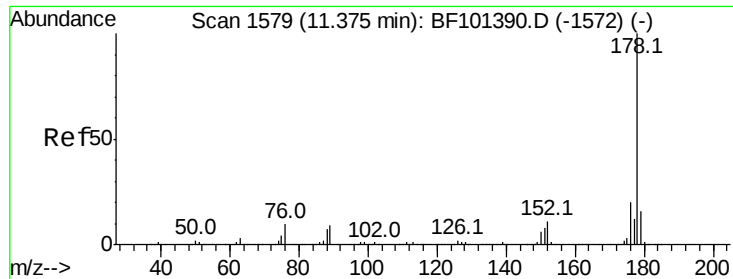
Delta R.T. -0.02 min

Lab File: BF101883.D

Acq: 4 Jan 2018 3:32

Tgt Ion:	188	Resp:	274943
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.5	12.7
80	12.3	9.2	13.8





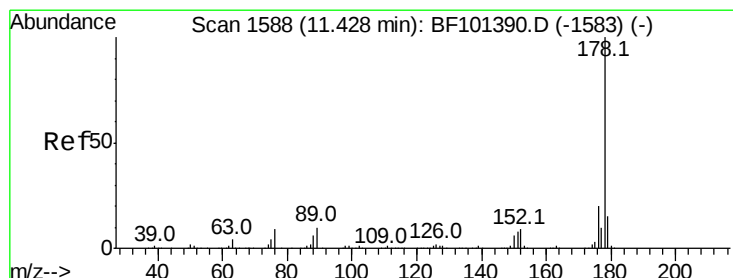
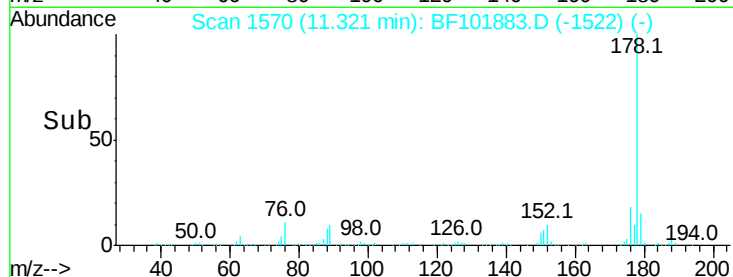
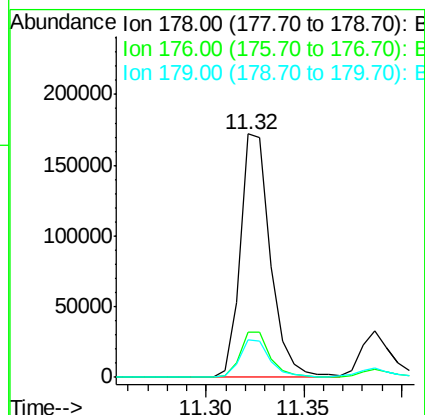
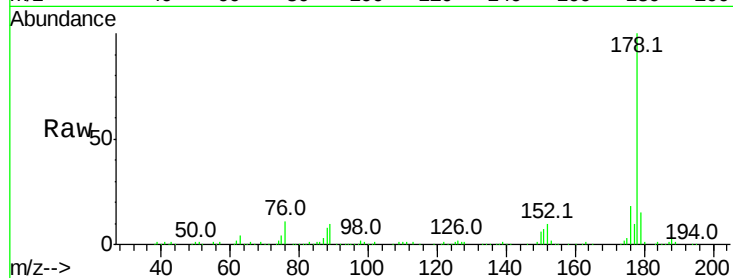
#70
Phenanthrene
Concen: 12.087 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.4	13.0	19.6

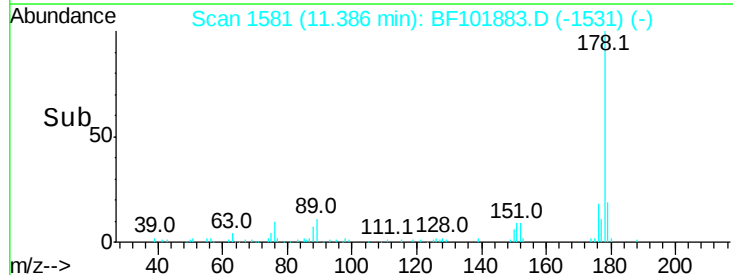
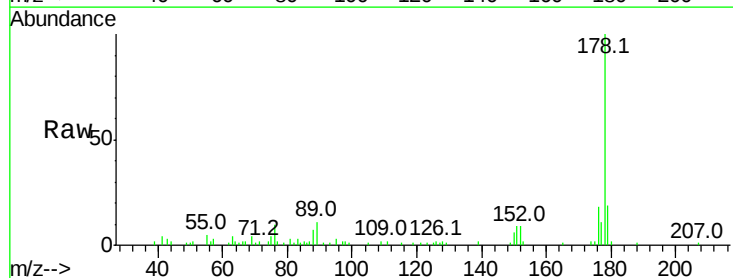
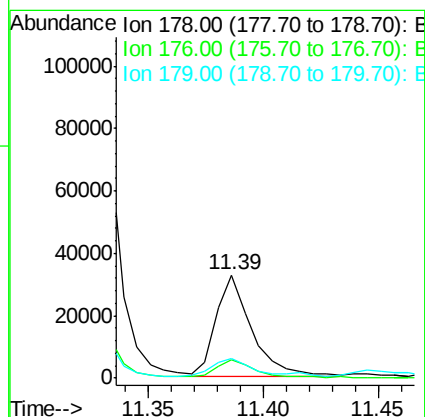
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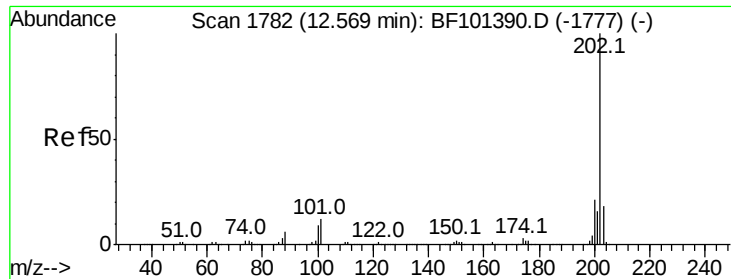
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#71
Anthracene
Concen: 2.294 ng m
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	19.4	12.6	19.0#





#74

Fluoranthene

Concen: 12.750 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101883.D

Acq: 4 Jan 2018 3:32

Instrument :

BNA_F

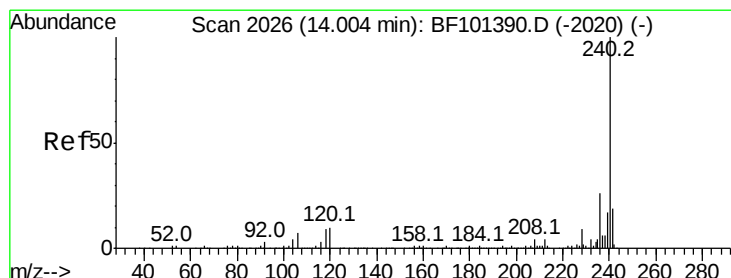
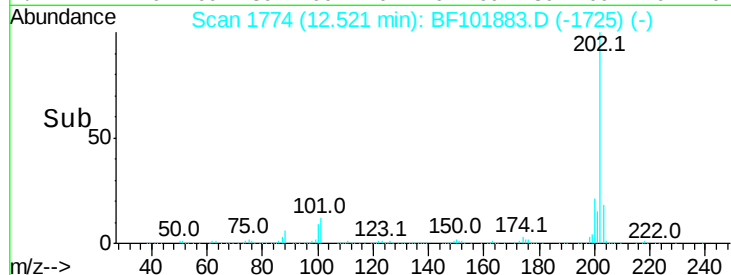
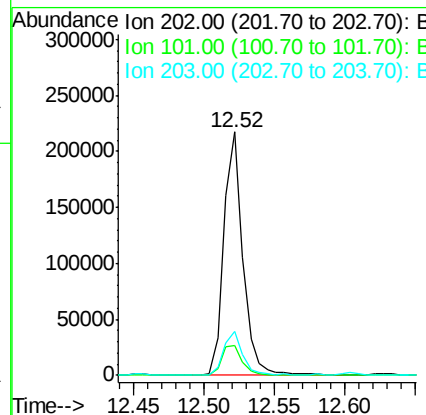
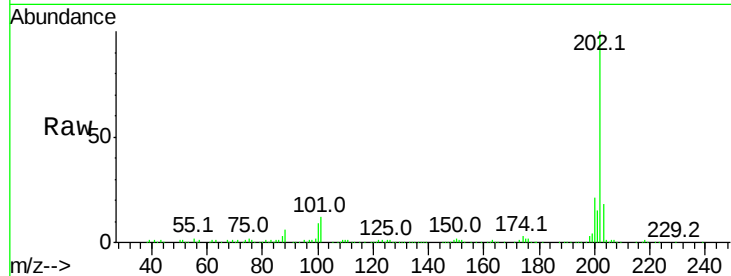
ClientSampleId :

SB-12-COMP

Tot Ion:	202	Resp:	204628
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

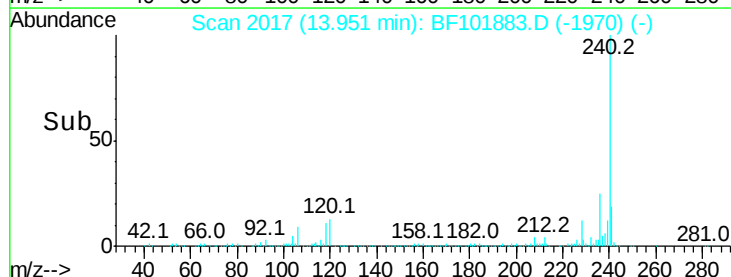
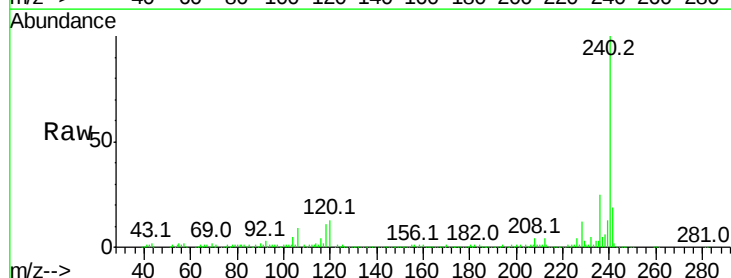
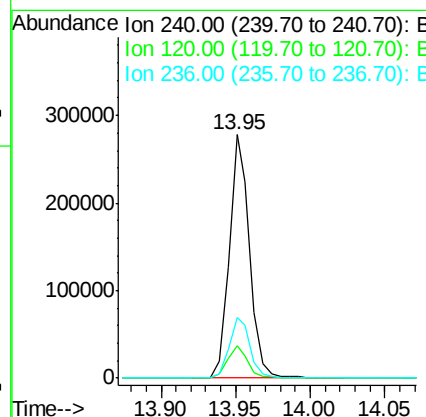
RT: 13.95 min Scan# 2017

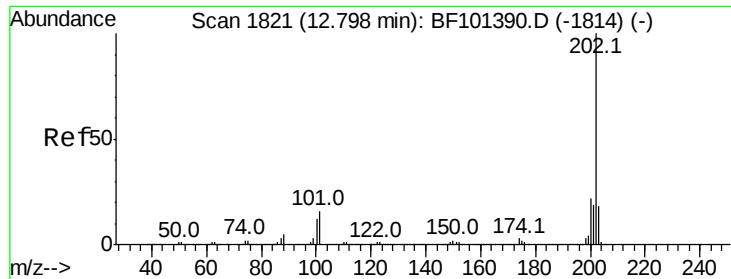
Delta R.T. -0.02 min

Lab File: BF101883.D

Acq: 4 Jan 2018 3:32

Tgt Ion:	240	Resp:	266914
Ion Ratio	Lower	Upper	
240	100		
120	13.2	9.5	14.3
236	24.8	20.7	31.1





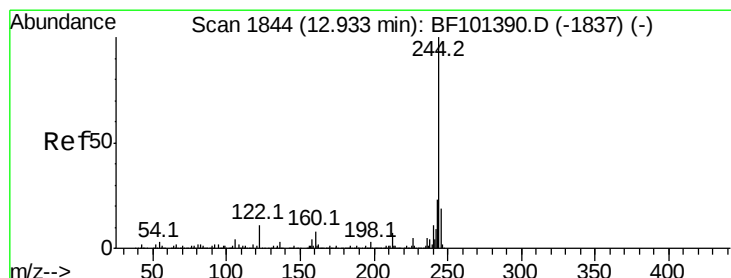
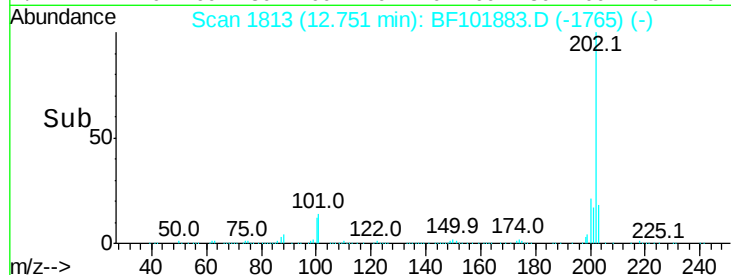
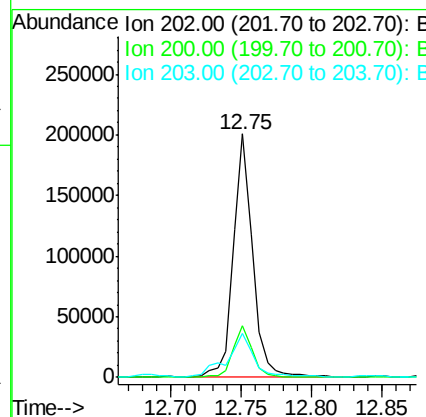
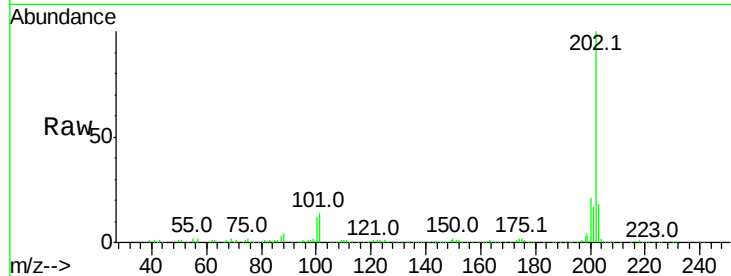
#77
Pvrene
Concen: 9.423 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.3	21.5

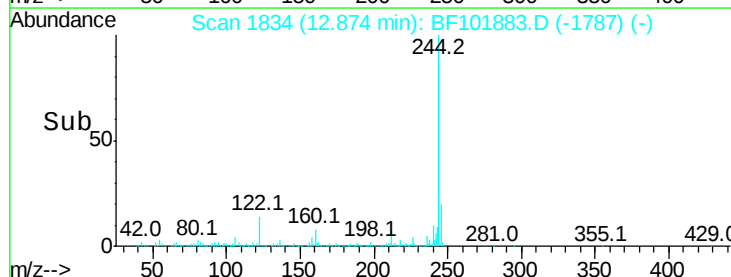
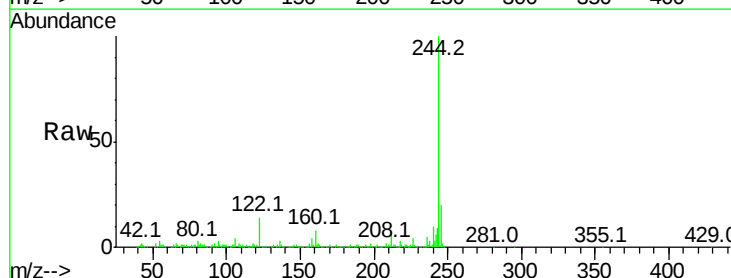
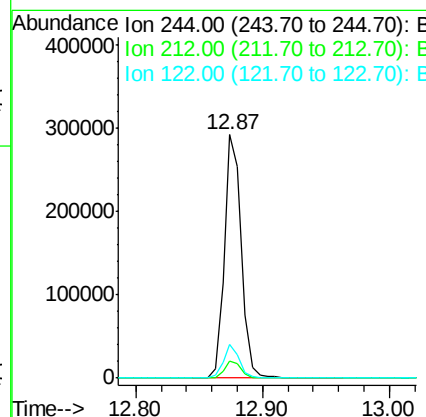
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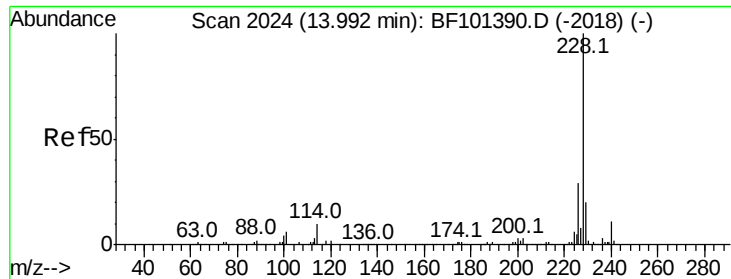
Sohil
1/4/2018 1:57:00 PM



#78
Terphenyl-d14
Concen: 24.642 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.8	11.0	16.4





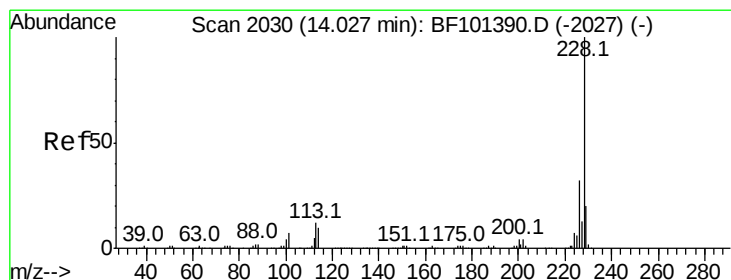
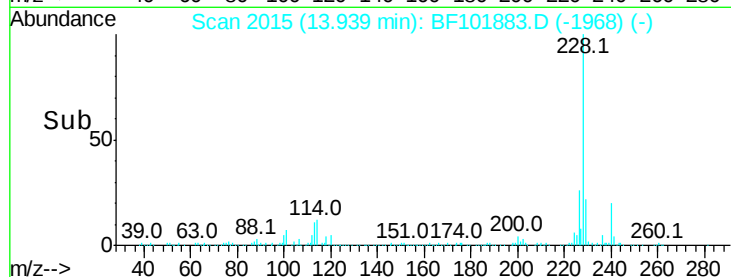
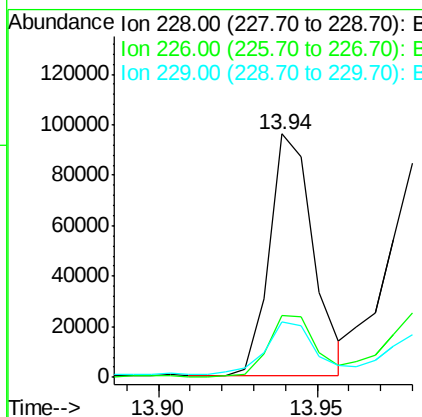
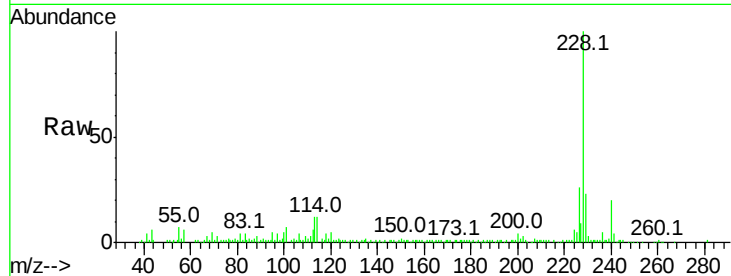
#80
Benzo(a)anthracene
Concen: 5.253 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.6	22.6	33.8
229	22.9	15.8	23.6

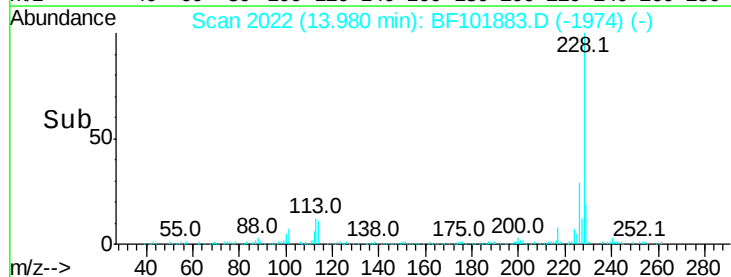
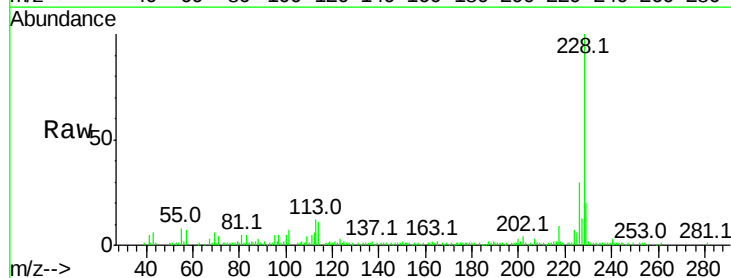
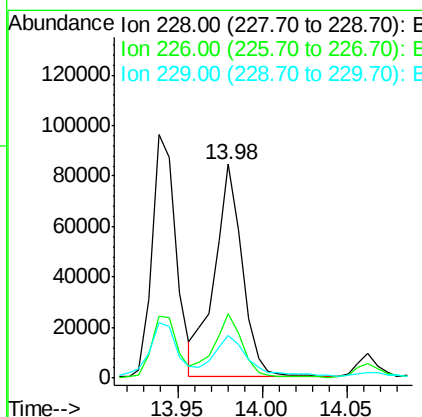
Manual Integrations
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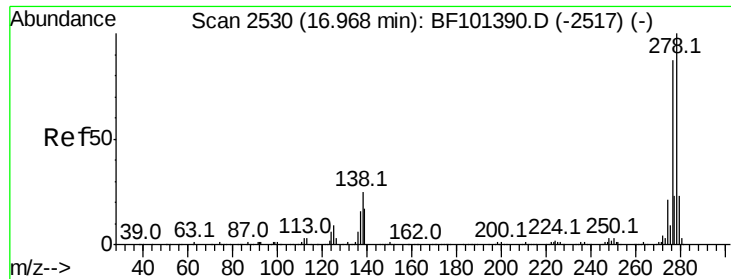
Sohil
1/4/2018 1:57:00 PM



#82
Chrysene
Concen: 5.845 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.0	16.2	24.4





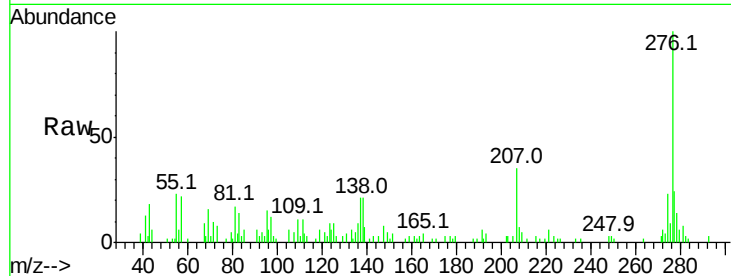
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.253 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.01 min
 Lab File: BF101883.D
 Acq: 4 Jan 2018 3:32

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	26.5	20.1	30.1

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 1/4/2018 1:57:00 PM

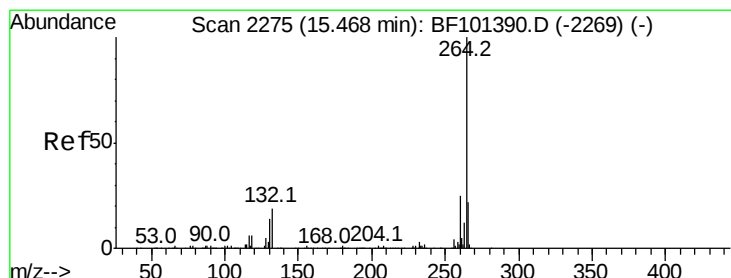
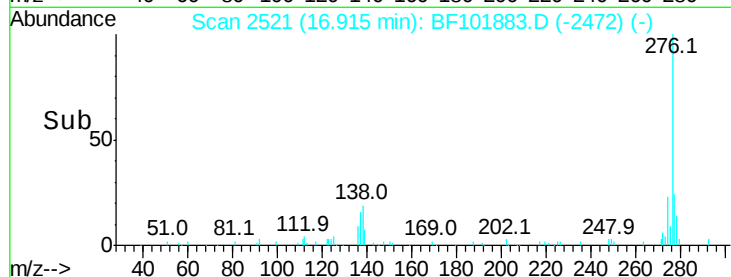
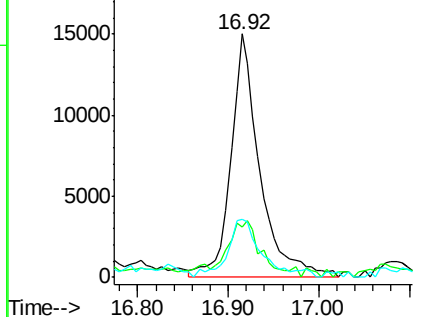


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF101883.D
 Acq: 4 Jan 2018 3:32

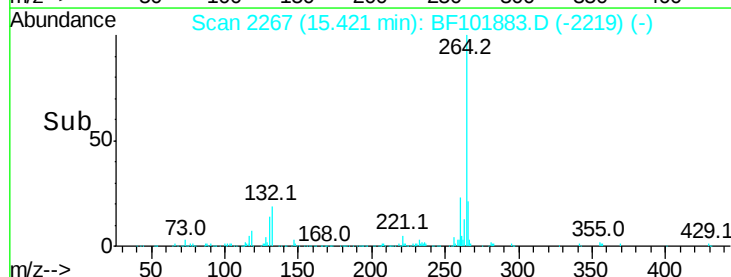
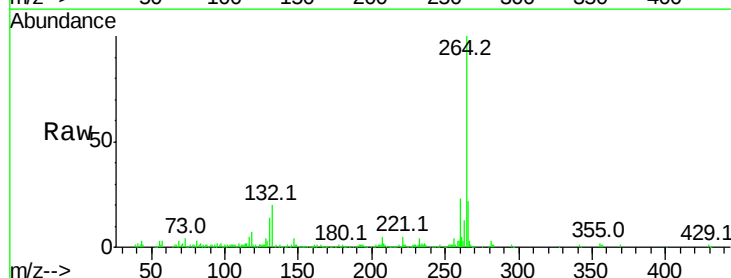
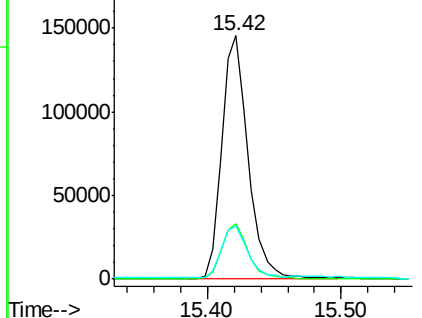
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.7	17.5	26.3

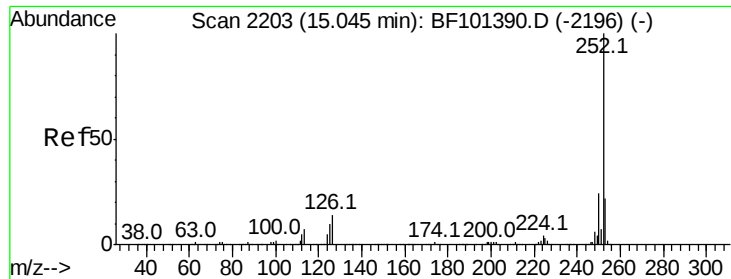
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





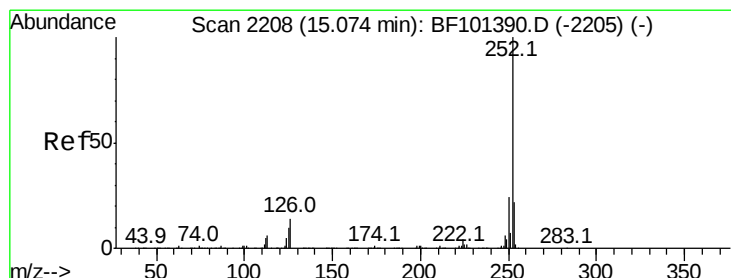
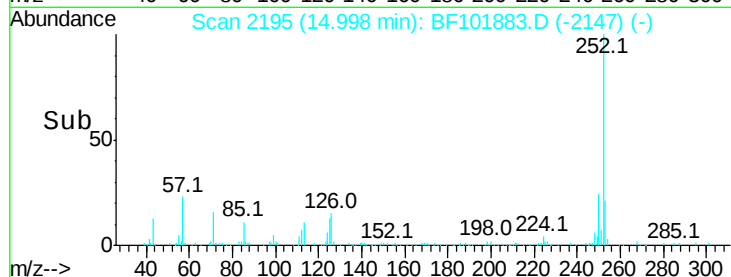
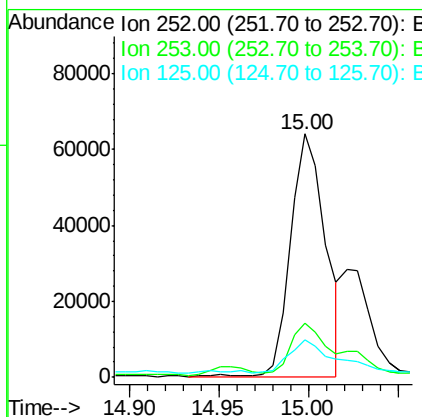
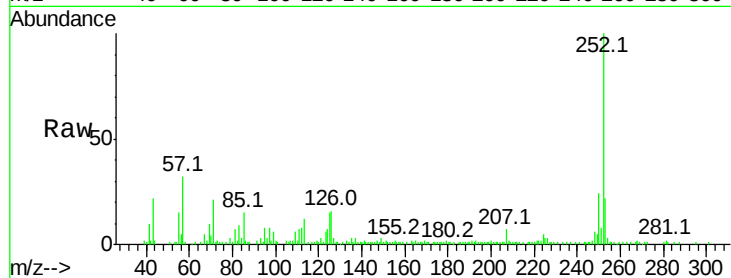
#87
Benzo(b)fluoranthene
Concen: 7.154 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	15.3	9.0	13.6

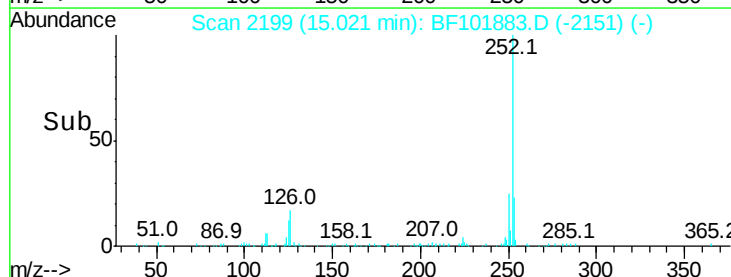
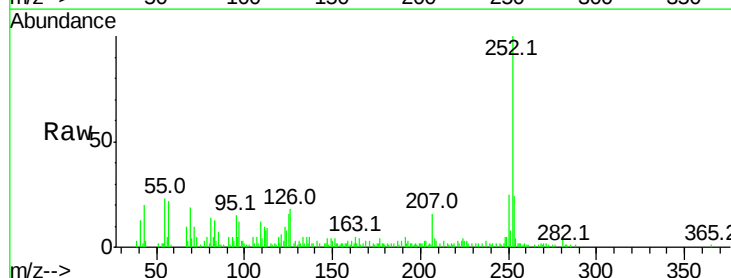
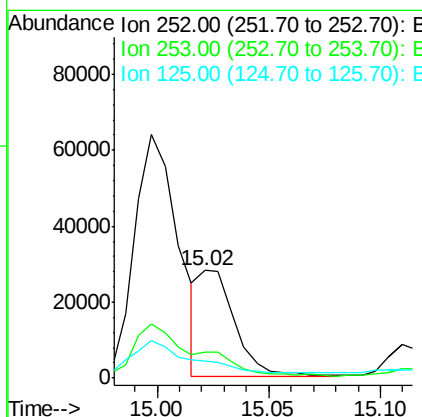
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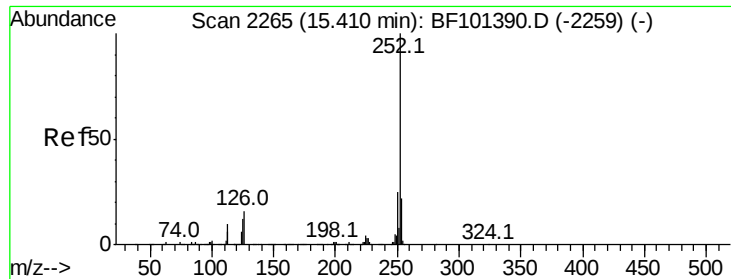
Sohil
1/4/2018 1:57:00 PM



#88
Benzo(k)fluoranthene
Concen: 2.585 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	16.4	10.2	15.2





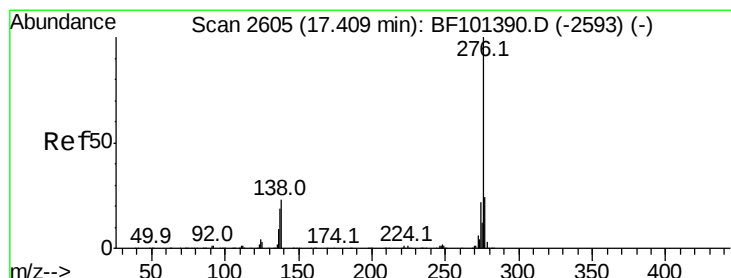
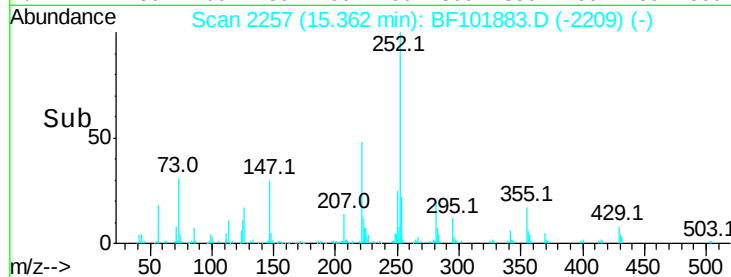
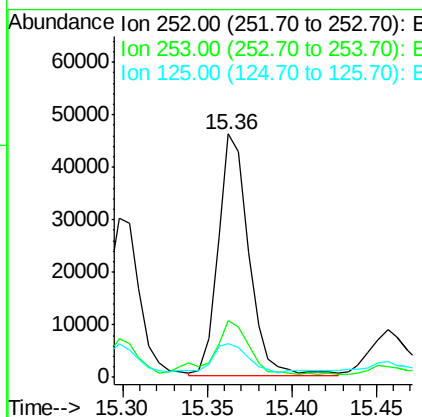
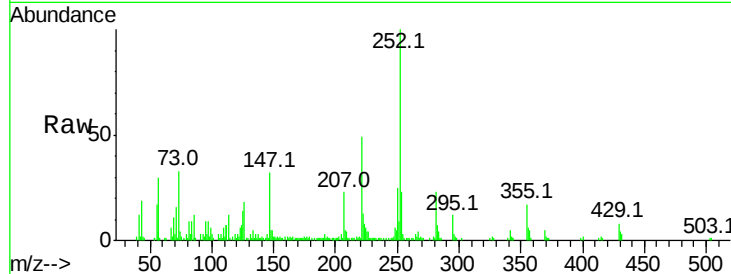
#89
Benzo(a)pyrene
Concen: 5.081 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.1	9.8	14.6

Manual Integrations
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1/4/2018 1:57:00 PM



#91
Benzo(g,h,i)perylene
Concen: 3.003 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF101883.D
Acq: 4 Jan 2018 3:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	33.6	21.8	32.8

