

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101994.D
 Acq On : 10 Jan 2018 22:10
 Operator : SJ/JU
 Sample : J1076-11 50X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-096613-01

Manual Integrations
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Sohil
 1/11/2018 10:53:05 AM

Quant Time: Jan 11 04:13:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	219184	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	909172	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	394135	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	662251	20.00	ng	0.00
75) Chrysene-d12	13.87	240	390004	20.00	ng	0.00
86) Perylene-d12	15.29	264	377963	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	6985	0.45	ng	0.00
7) Phenol-d6	6.35	99	7997	0.43	ng	0.00
23) Nitrobenzene-d5	7.28	82	4474	0.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	1370	0.40	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	10414	0.41	ng	-0.01
78) Terphenyl-d14	12.83	244	9294	0.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.03	128	623514	13.725	ng	99
37) 2-Methylnaphthalene	8.72	142	188765	6.312	ng	99
48) Acenaphthylene	9.62	152	131242	3.061	ng	99
57) Fluorene	10.30	166	149264	6.046	ng	98
70) Phenanthrene	11.27	178	756961	19.568	ng	99
71) Anthracene	11.32	178	210432	5.364	ng	100
74) Fluoranthene	12.45	202	568280	14.931	ng	98
77) Pyrene	12.68	202	525068	15.231	ng	99
80) Benzo(a)anthracene	13.86	228	175243m	7.043	ng	
82) Chrysene	13.90	228	143366	5.525	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	67506	3.575	ng	97
87) Benzo(b)fluoranthene	14.89	252	148212m	6.014	ng	
88) Benzo(k)fluoranthene	14.91	252	50341m	2.117	ng	
89) Benzo(a)pyrene	15.23	252	127252	5.738	ng	98
91) Benzo(a,h,i)perylene	17.07	276	64513	3.619	ng	92

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

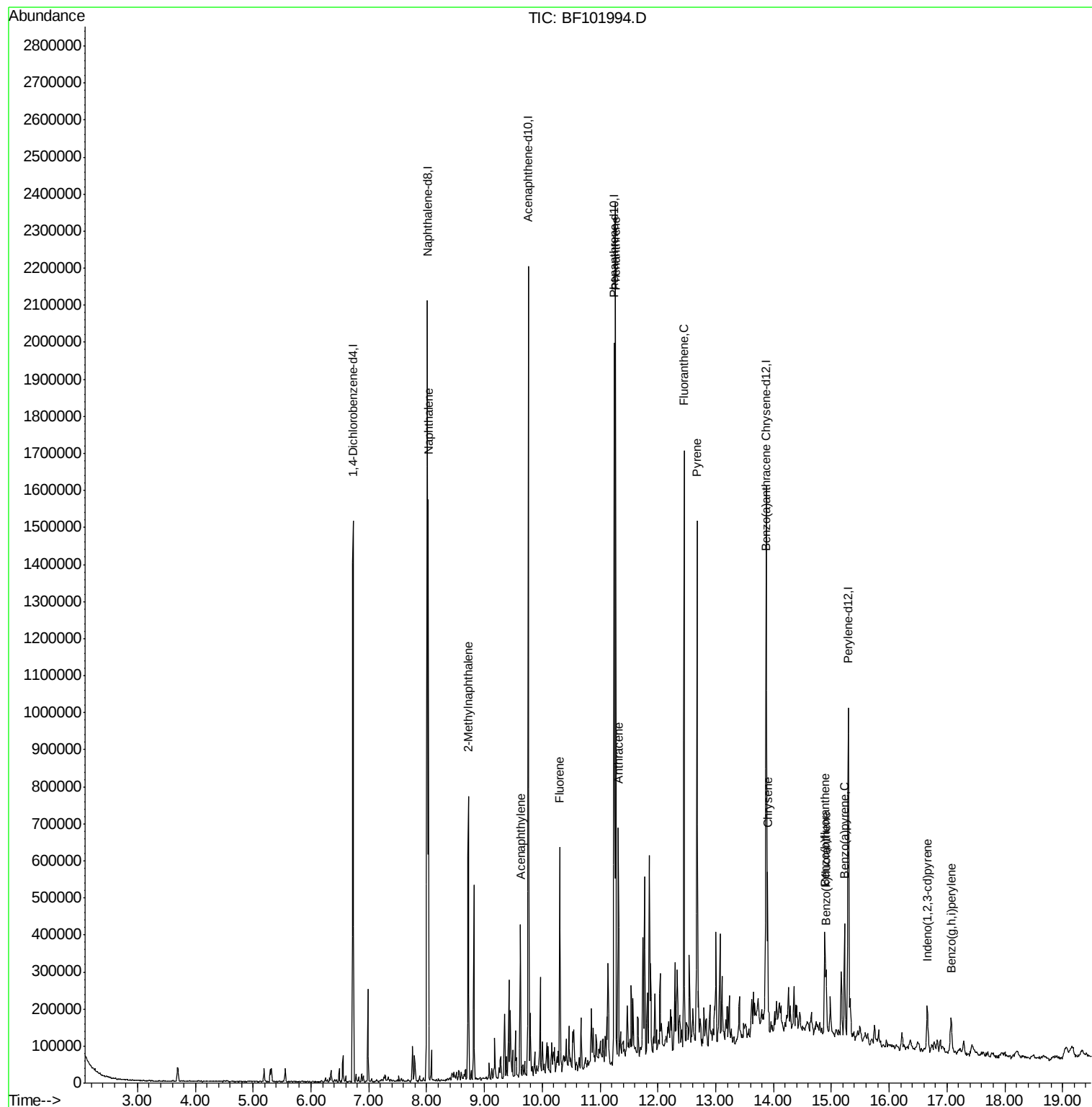
Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

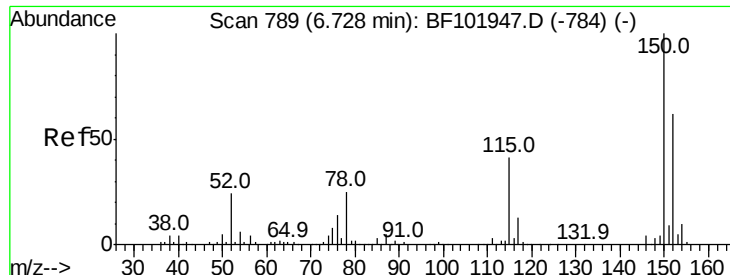
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#1

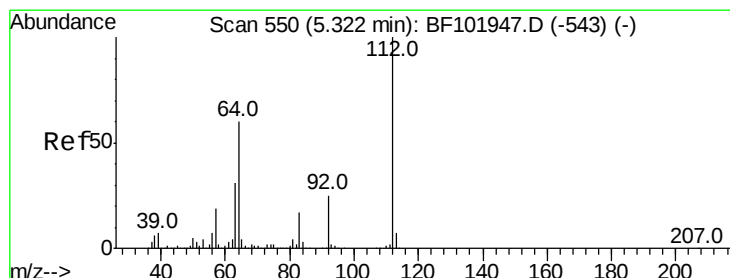
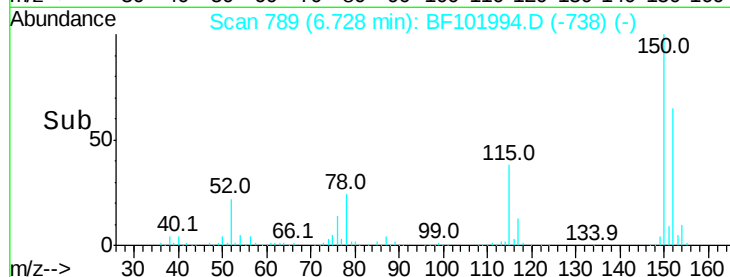
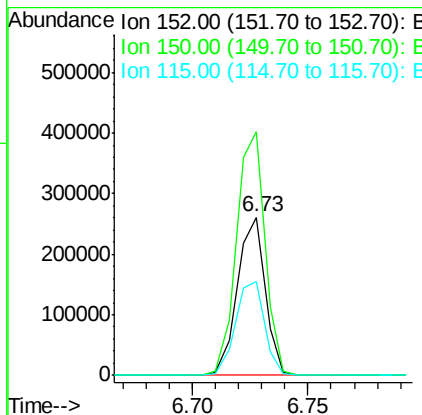
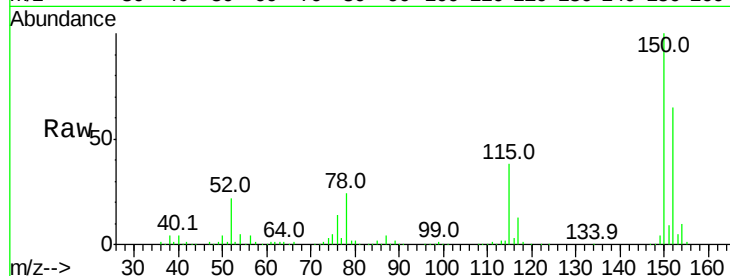
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Instrument :
BNA_F
ClientSampleId :
WC-096613-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	59.1	50.1	75.1

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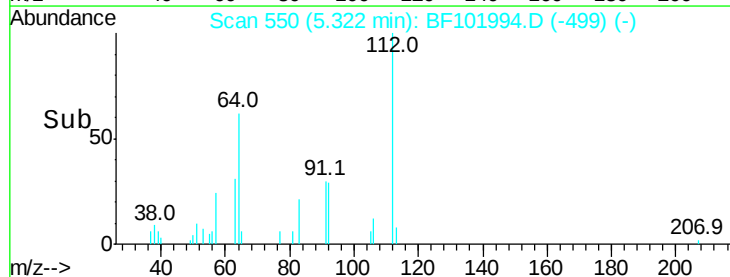
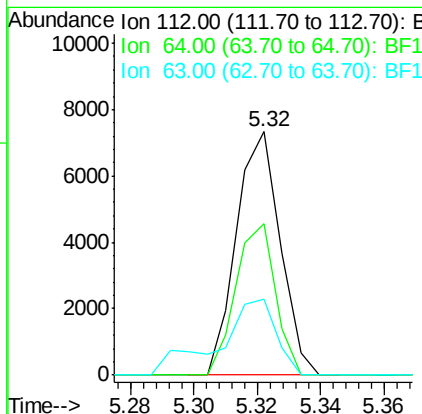
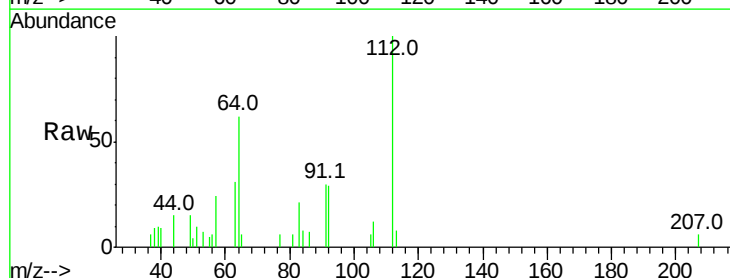
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#5

2-Fluorophenol
Concen: 0.450 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 0.432 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101994.D

Acq: 10 Jan 2018 22:10

Instrument :

BNA_F

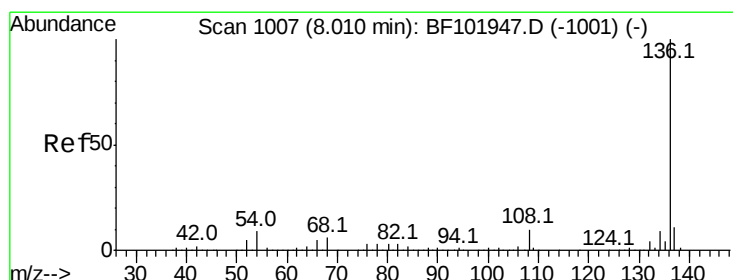
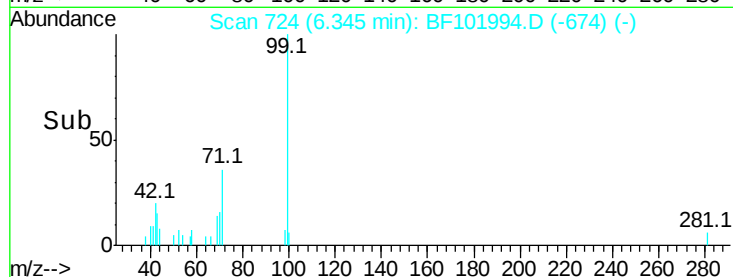
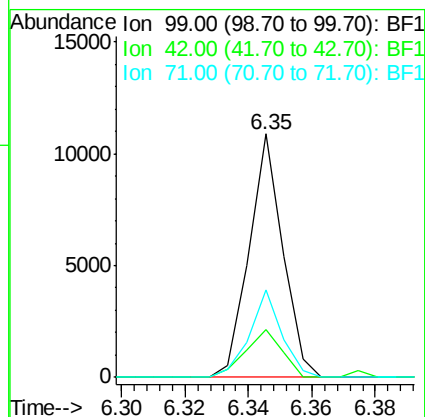
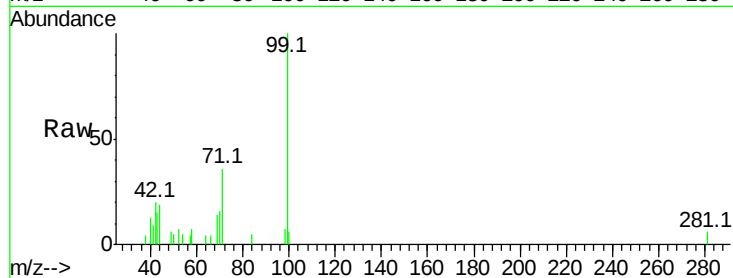
ClientSampleId :

WC-096613-01

Tot Ion:	99	Resp:	7997
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	36.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

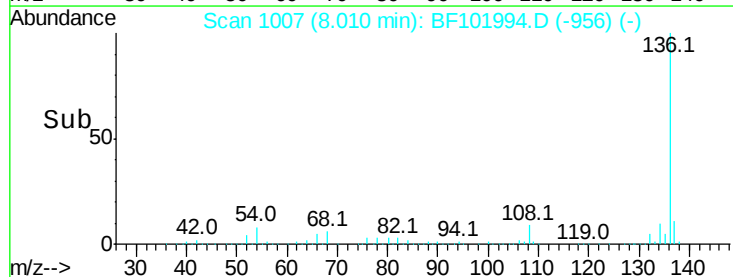
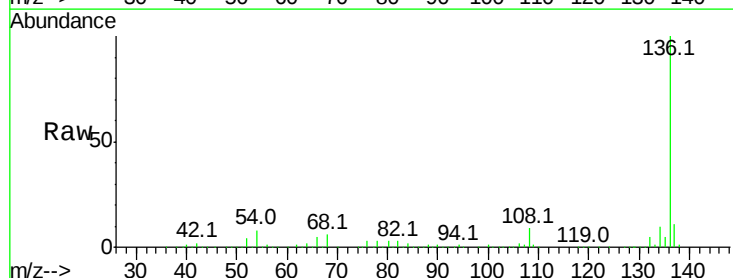
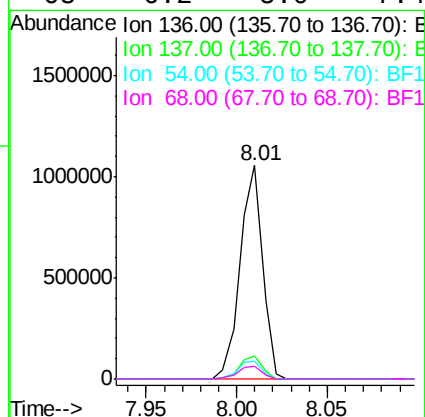
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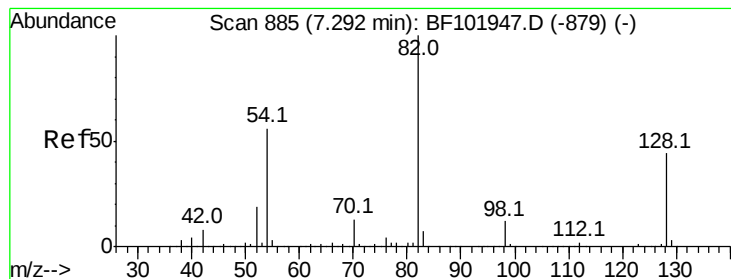
Delta R.T. -0.00 min

Lab File: BF101994.D

Acq: 10 Jan 2018 22:10

Tgt Ion:	136	Resp:	909172
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.2	6.6	9.8
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 0.289 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF101994.D

Acq: 10 Jan 2018 22:10

Instrument :

BNA_F

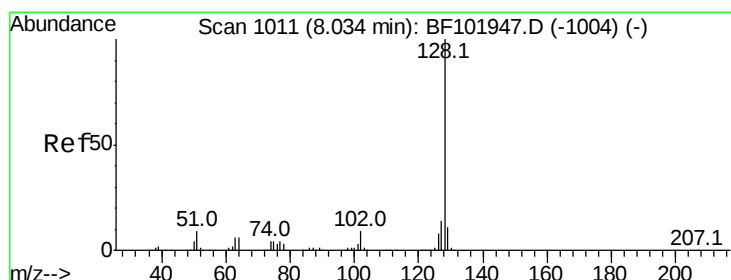
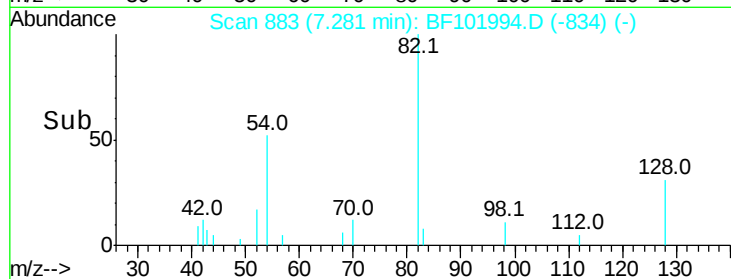
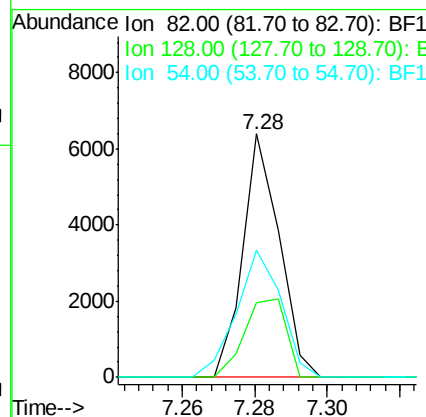
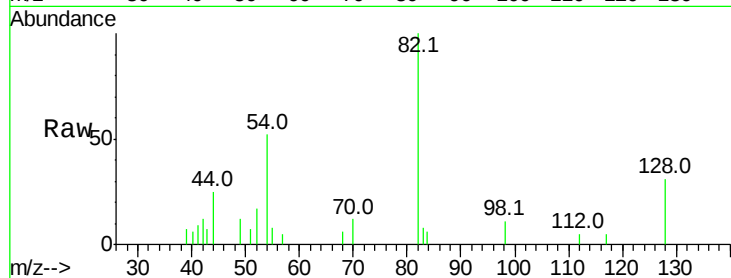
ClientSampleId :

WC-096613-01

Tot Ion:	82	Resp:	4474
Ion Ratio	Lower	Upper	
82	100		
128	30.9	36.1	54.1#
54	52.1	41.4	62.2

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#31

Naphthalene

Concen: 13.725 ng

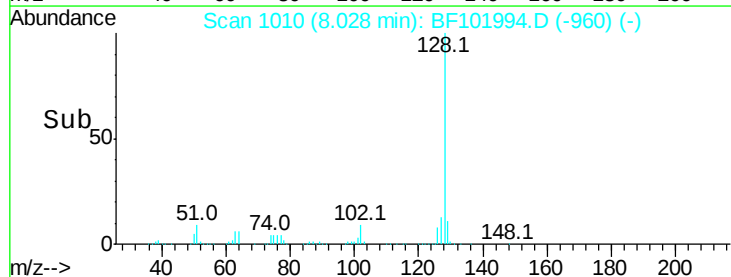
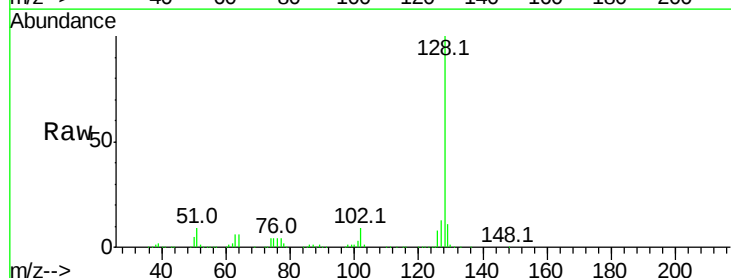
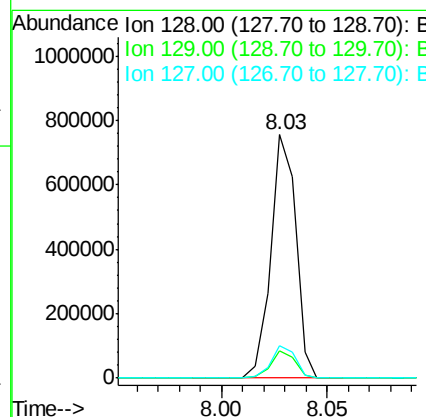
RT: 8.03 min Scan# 1010

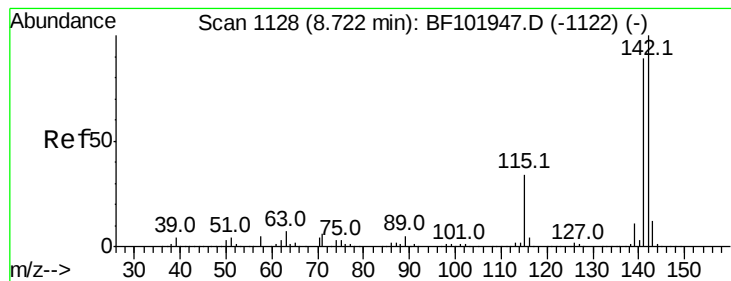
Delta R.T. -0.01 min

Lab File: BF101994.D

Acq: 10 Jan 2018 22:10

Tgt Ion:	128	Resp:	623514
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.8	13.2
127	13.2	10.9	16.3





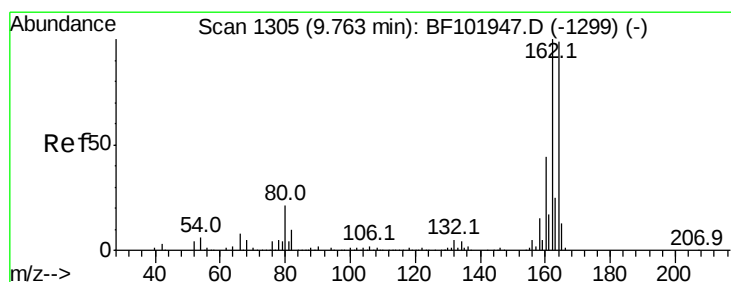
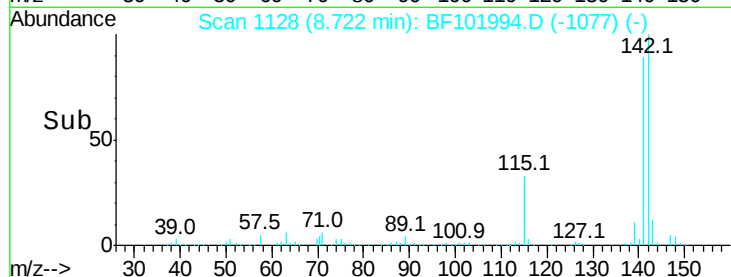
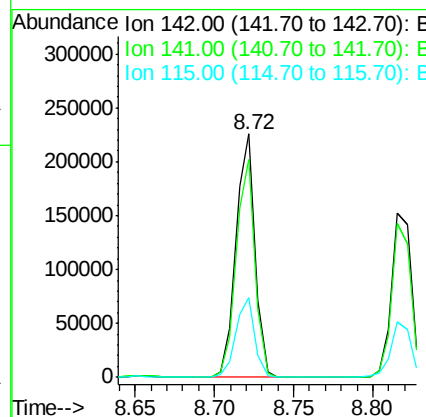
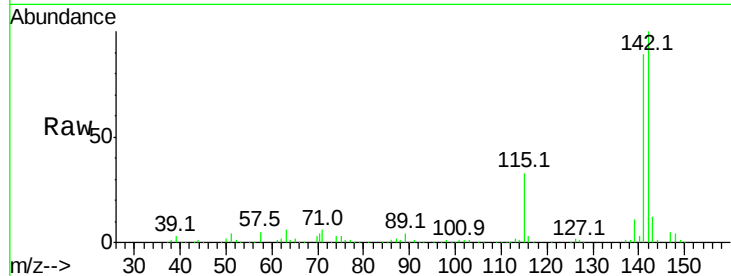
#37
 2-Methylnaphthalene
 Concen: 6.312 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-096613-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	32.9	26.1	39.1

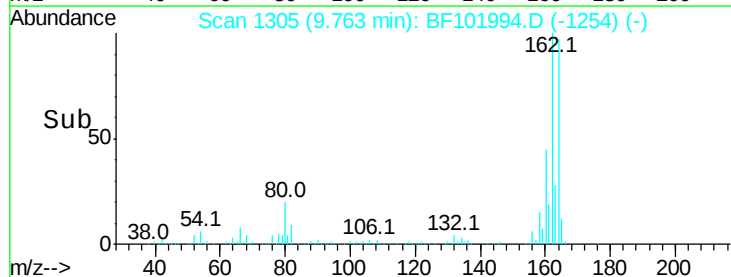
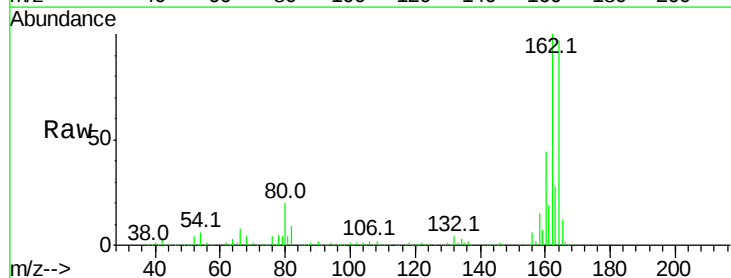
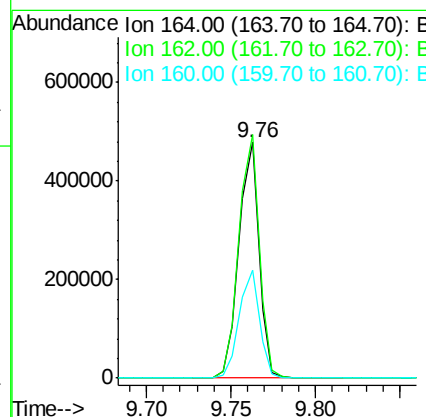
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	46.0	38.3	57.5





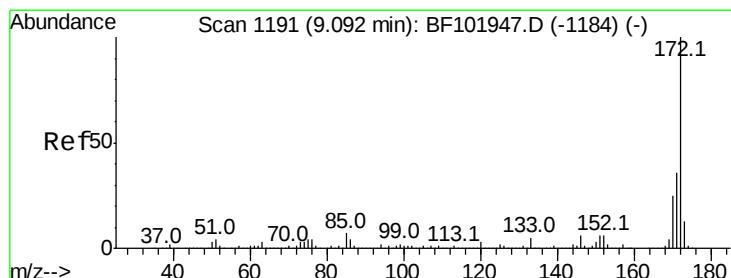
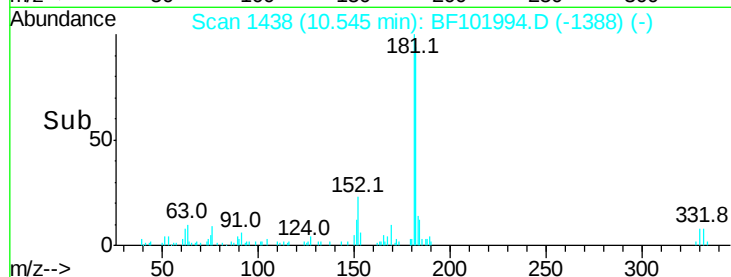
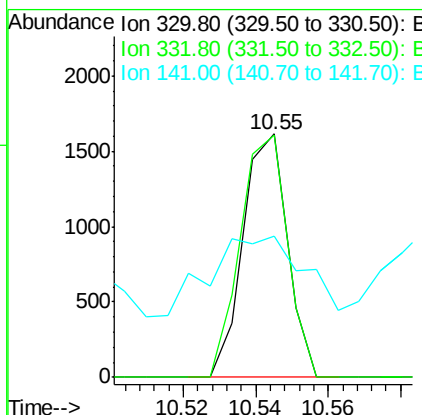
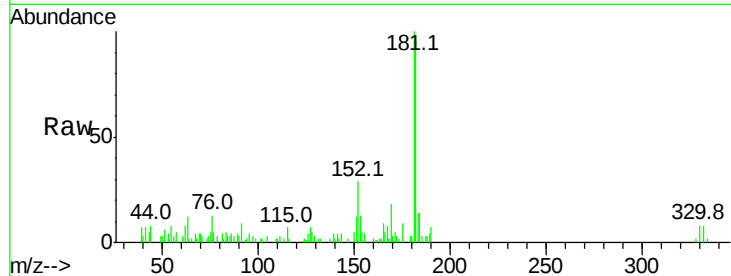
#41
 2,4,6-Tribromophenol
 Concen: 0.398 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-096613-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.5	77.0	115.6
141	69.3	29.9	44.9

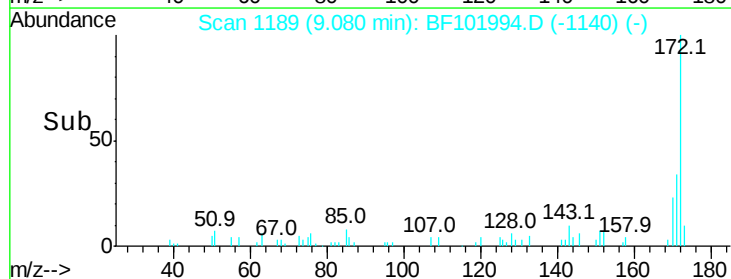
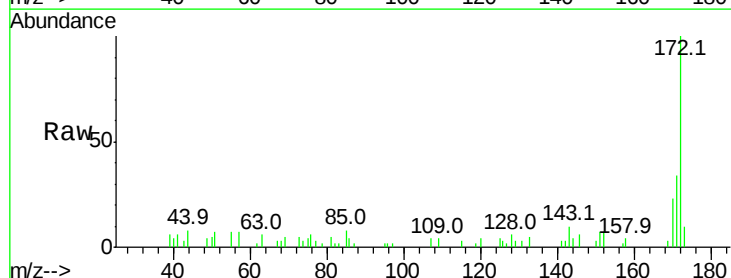
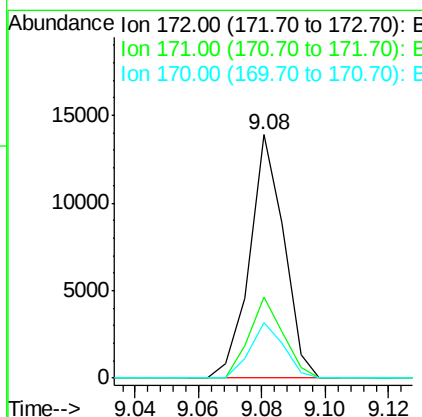
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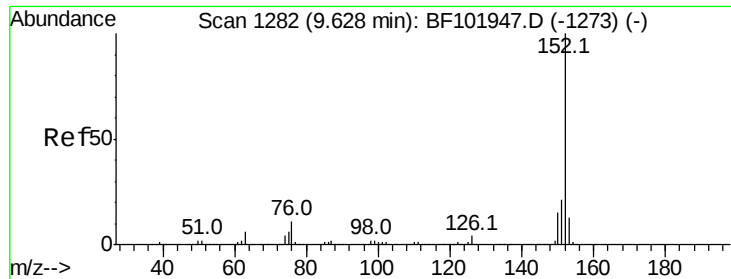
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#44
 2-Fluorobiphenyl
 Concen: 0.413 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.7	44.5
170	23.0	19.6	29.4





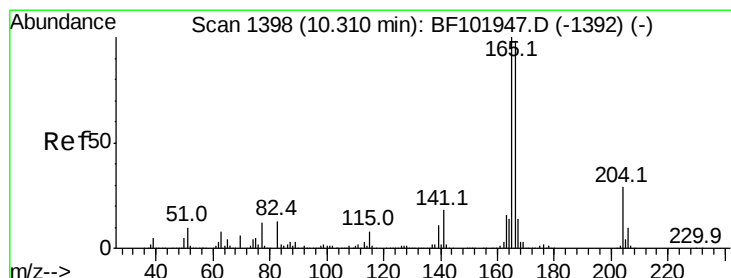
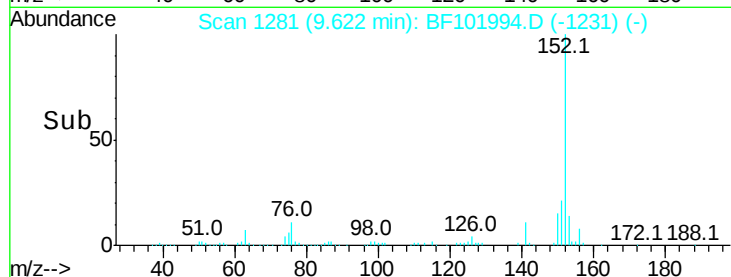
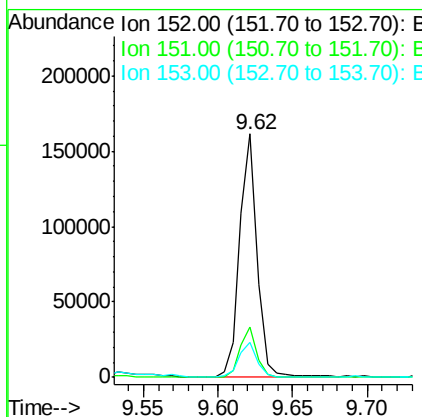
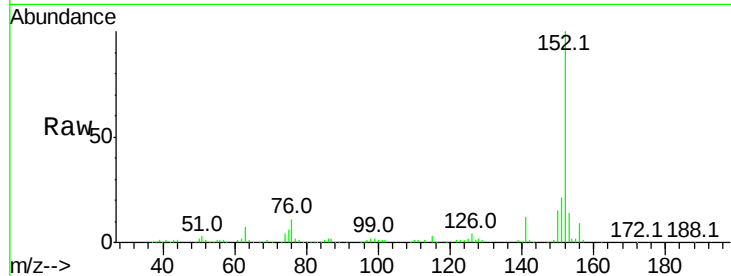
#48
Acenaphthylene
Concen: 3.061 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Instrument :
BNA_F
ClientSampleId :
WC-096613-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.3	10.7	16.1

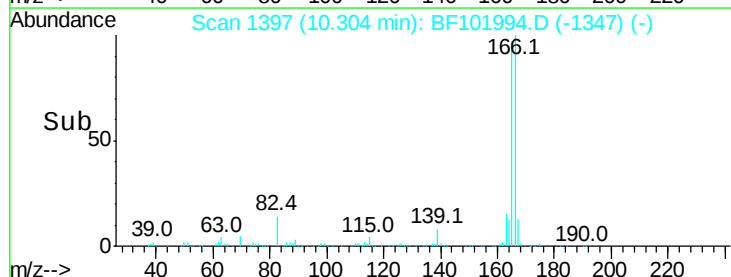
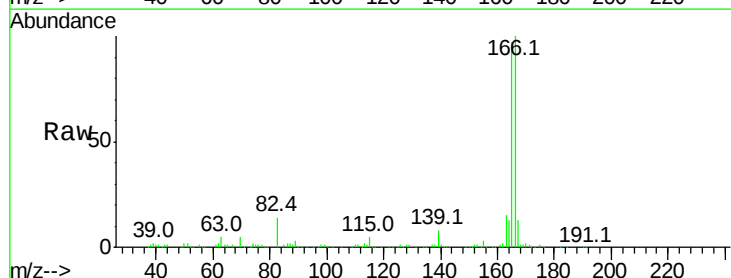
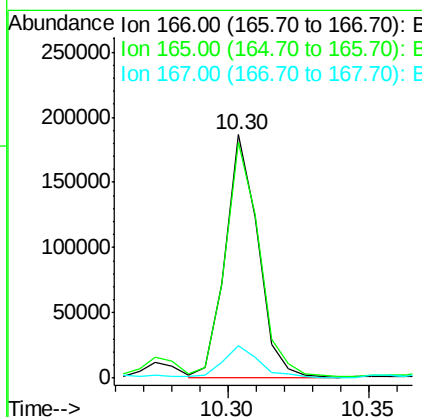
Manual Integrations
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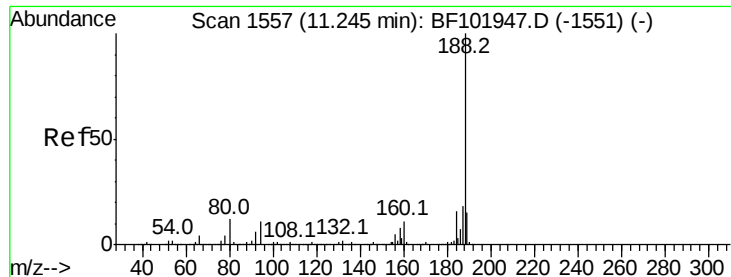
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#57
Fluorene
Concen: 6.046 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	79.8	119.8
167	13.2	10.6	16.0





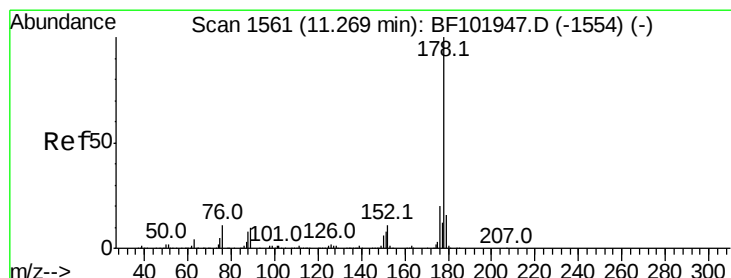
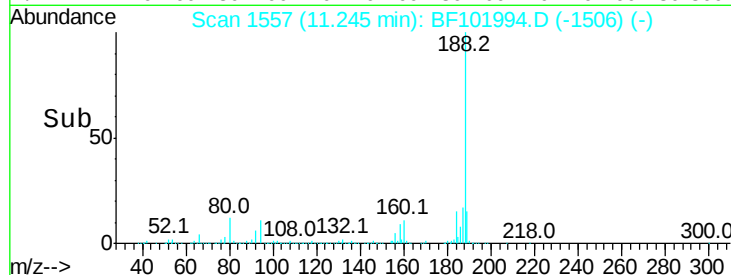
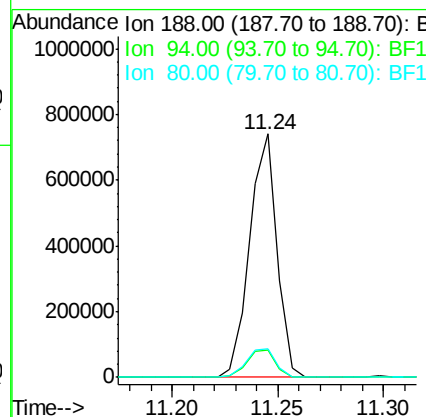
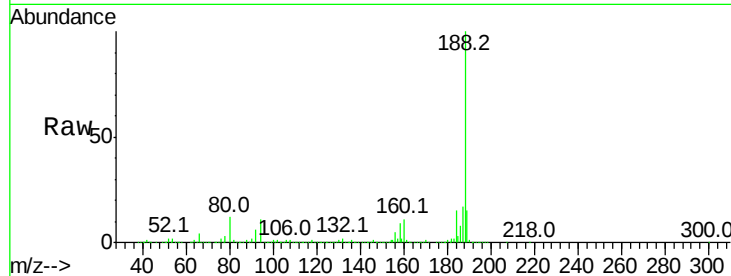
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Instrument :
BNA_F
ClientSampleId :
WC-096613-01

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	8.5	12.7
80	11.9	9.2	13.8

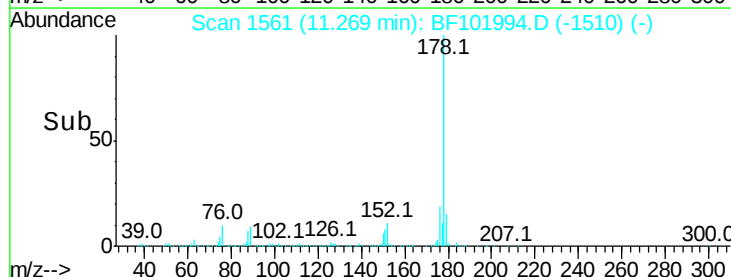
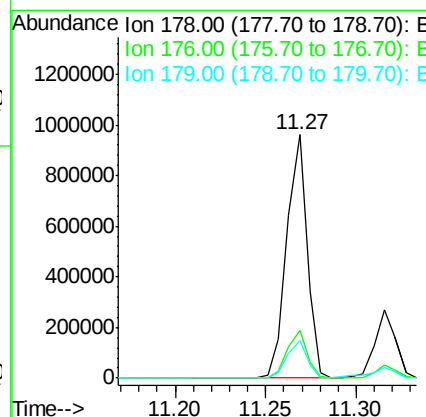
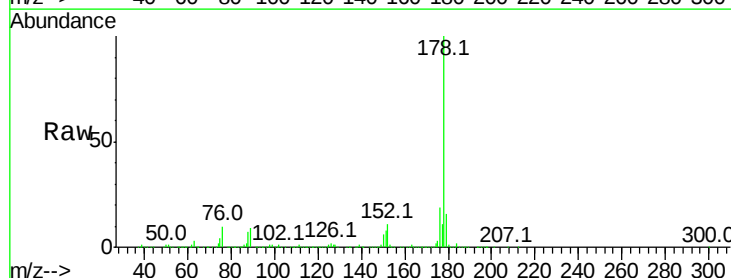
Manual Integrations
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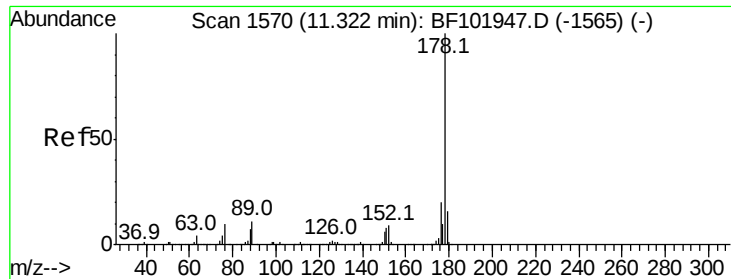
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#70
Phenanthrene
Concen: 19.568 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.8	23.8
179	15.5	13.0	19.6





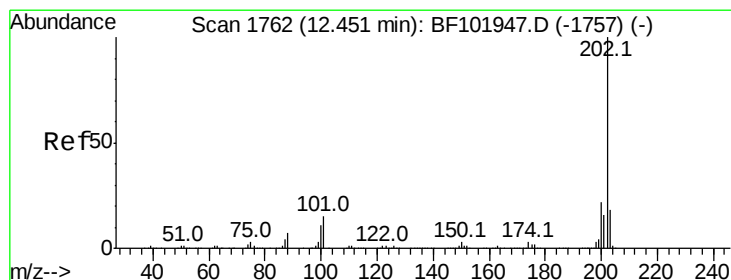
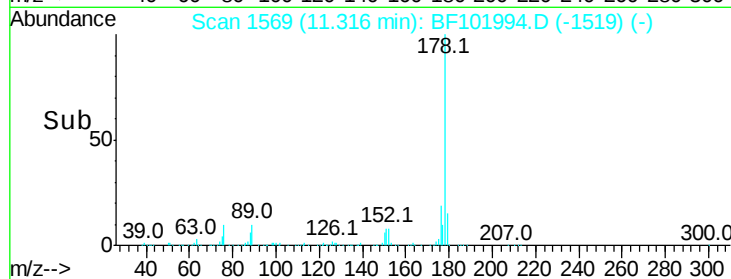
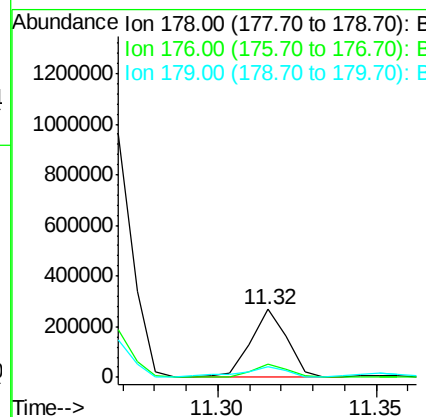
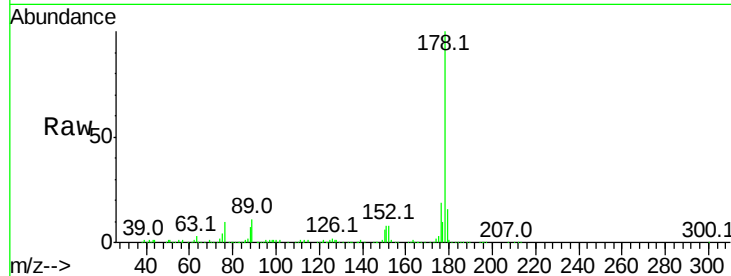
#71
 Anthracene
 Concen: 5.364 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-096613-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.7	12.6	19.0

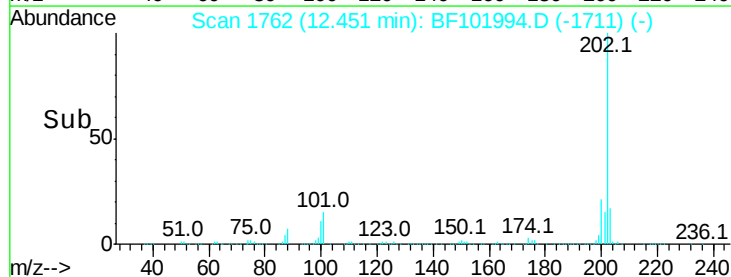
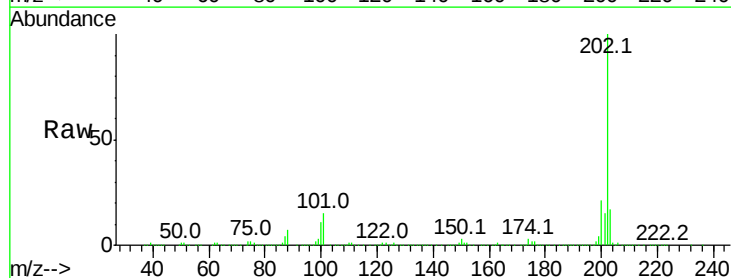
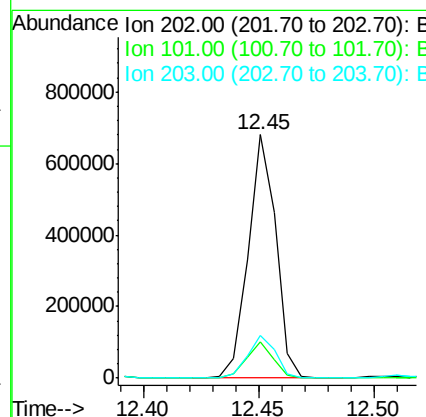
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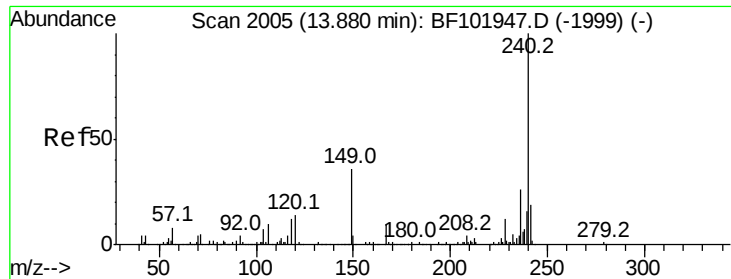
Sohil
 1/11/2018 10:53:05 AM



#74
 Fluoranthene
 Concen: 14.931 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF101994.D

Acq: 10 Jan 2018 22:10

Instrument :

BNA_F

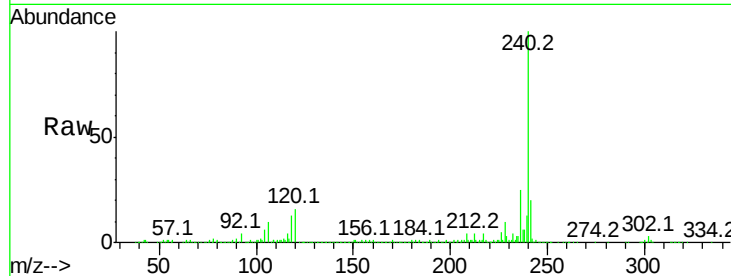
ClientSampleId :

WC-096613-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	25.5	20.7	31.1

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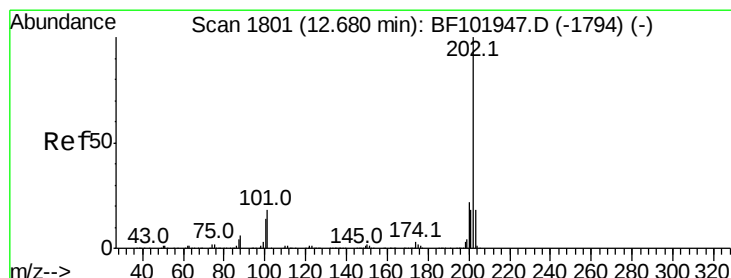
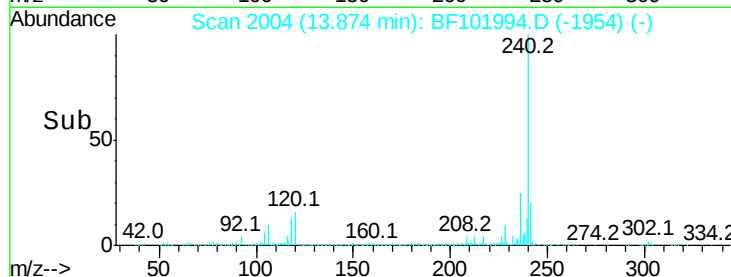
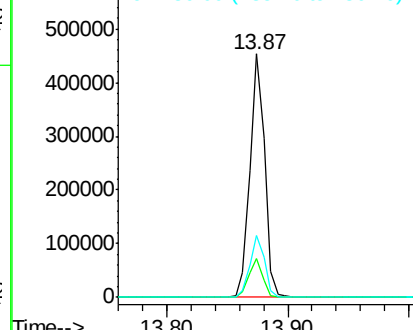


Abundance

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

Pyrene

Concen: 15.231 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF101994.D

Acq: 10 Jan 2018 22:10

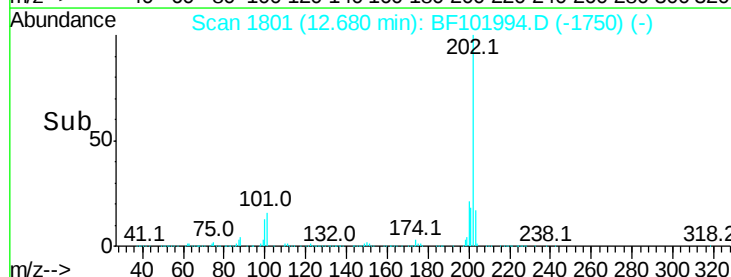
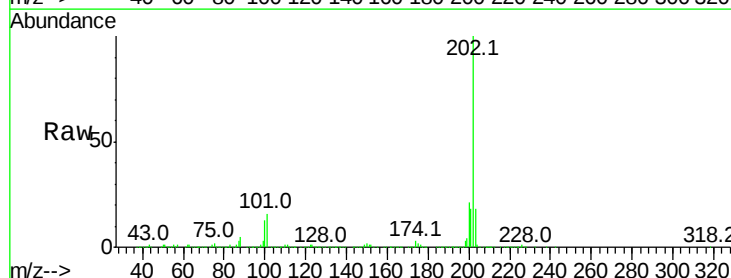
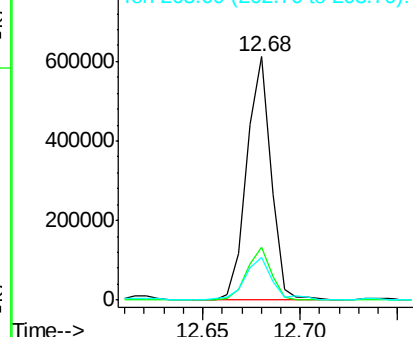
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.8	14.3	21.5

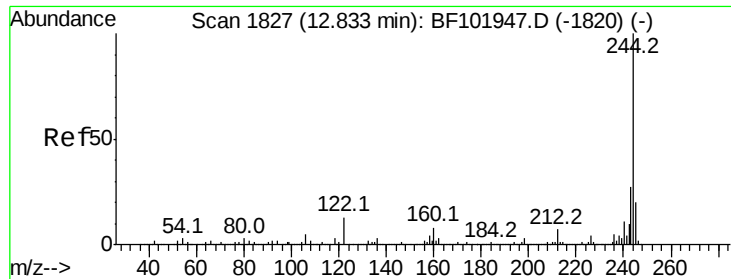
Abundance

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





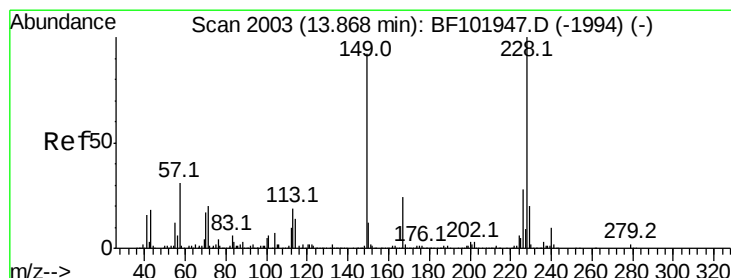
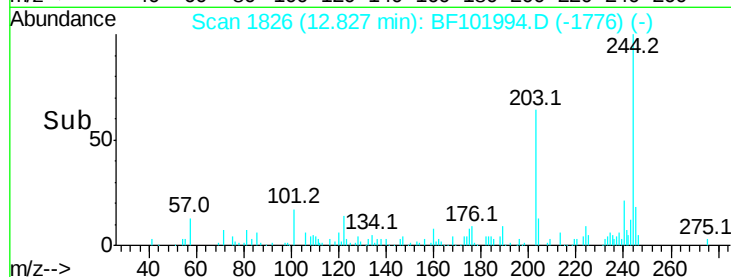
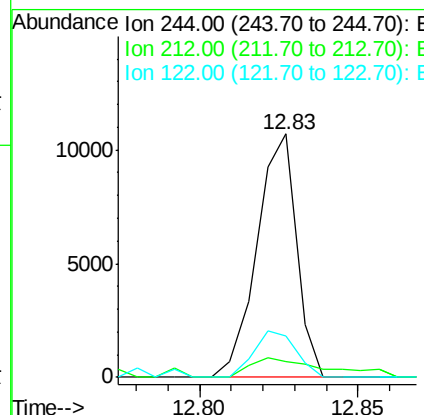
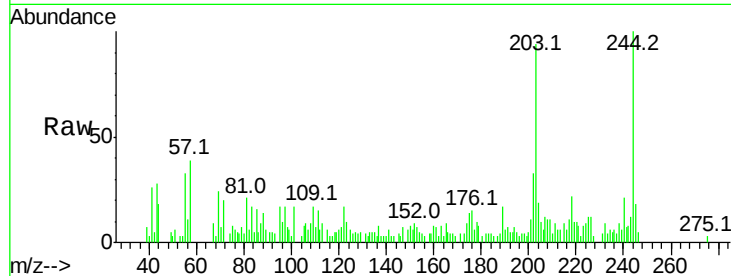
#78
 Terphenyl-d14
 Concen: 0.495 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-096613-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	16.9	11.0	16.4

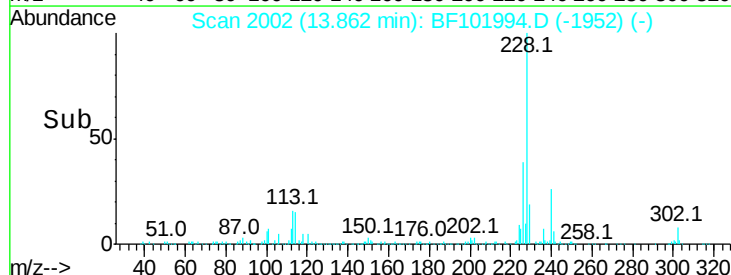
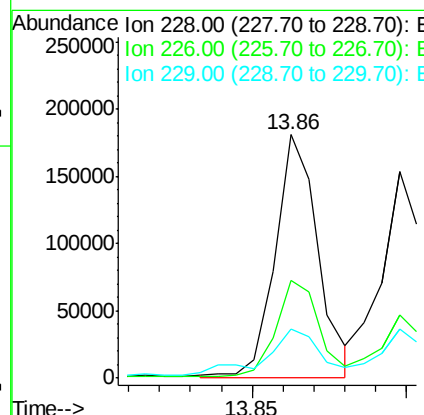
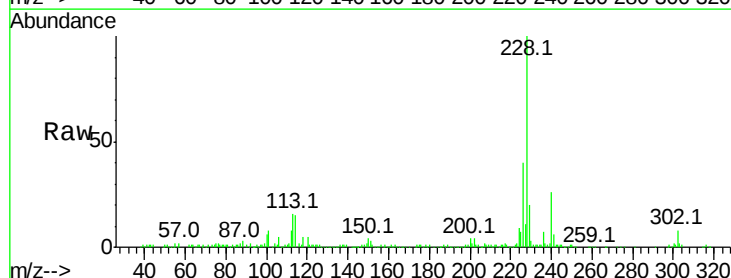
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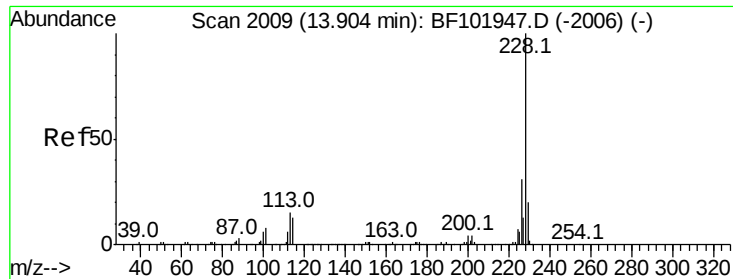
Sohil
 1/11/2018 10:53:05 AM



#80
 Benzo(a)anthracene
 Concen: 7.043 ng m
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.0	22.6	33.8
229	20.2	15.8	23.6





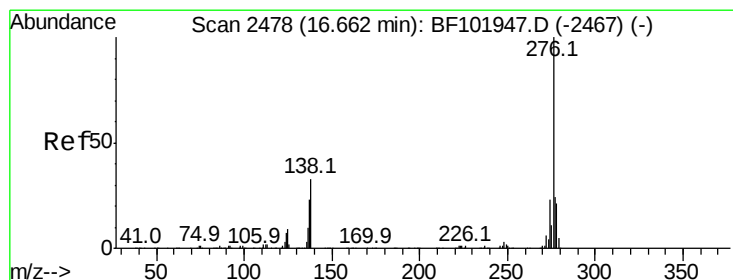
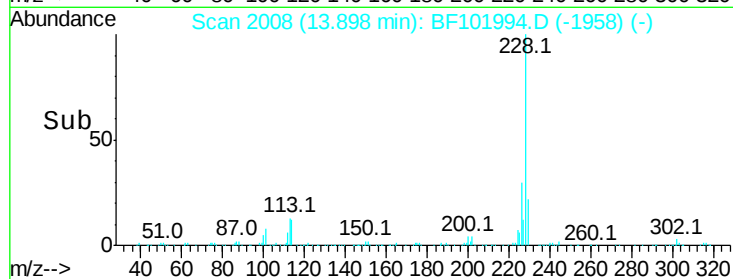
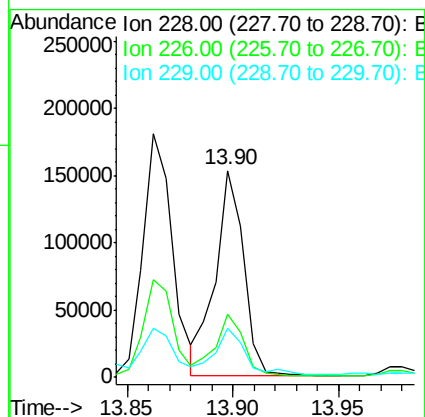
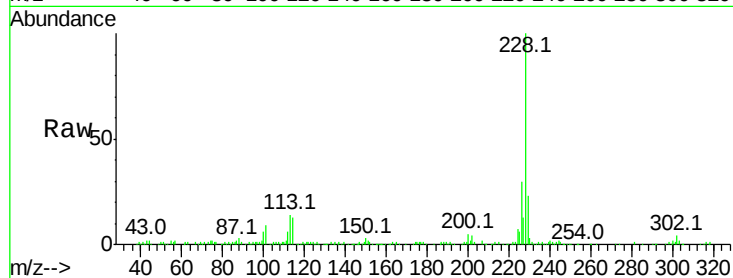
#82
Chrysene
Concen: 5.525 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Instrument :
BNA_F
ClientSampleId :
WC-096613-01

Tot Ion:	228	Resp:	143366
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	23.5	16.2	24.4

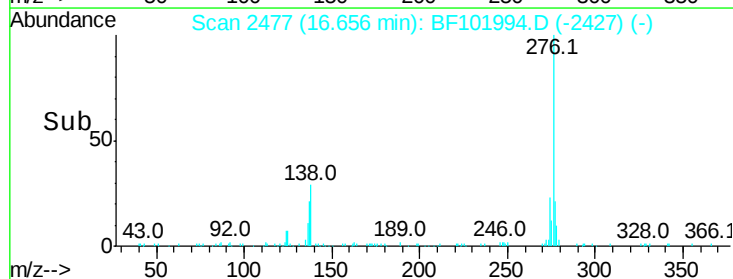
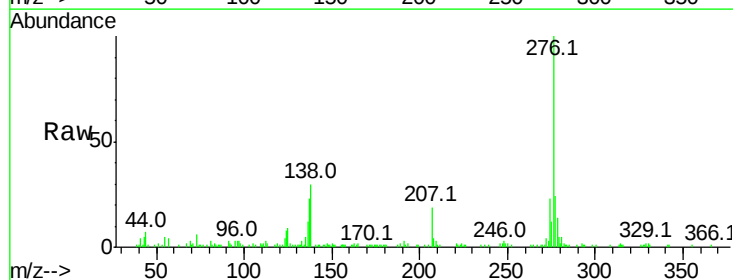
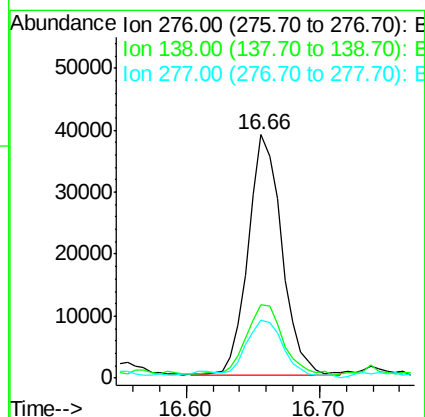
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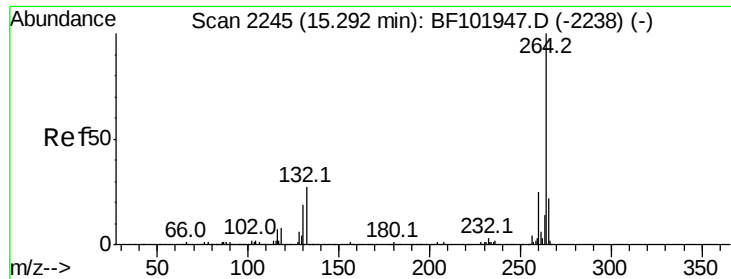
Sohil
1/11/2018 10:53:05 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.575 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Tgt Ion:	276	Resp:	67506
Ion Ratio	Lower	Upper	
276	100		
138	31.9	25.0	37.6
277	27.9	20.1	30.1





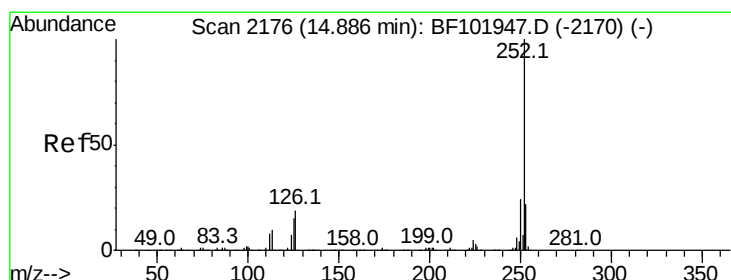
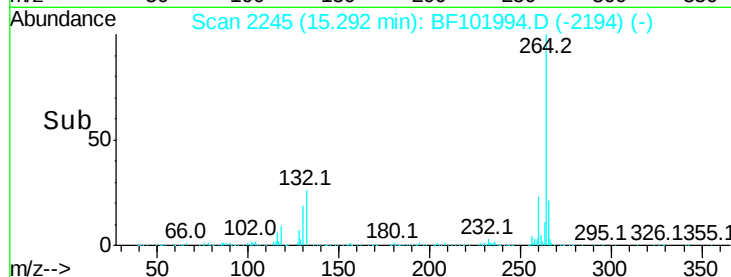
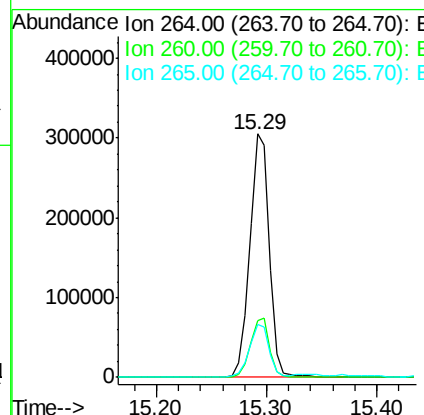
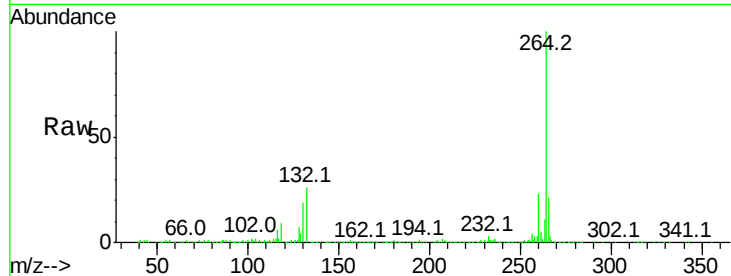
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Instrument :
BNA_F
ClientSampleId :
WC-096613-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

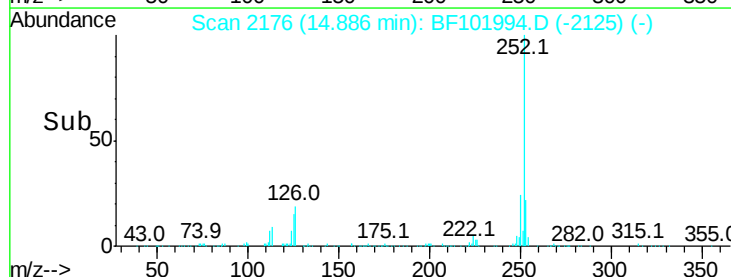
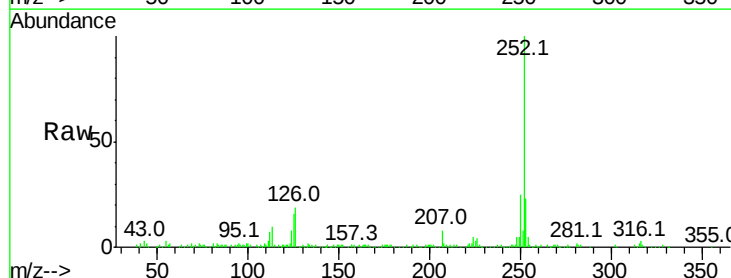
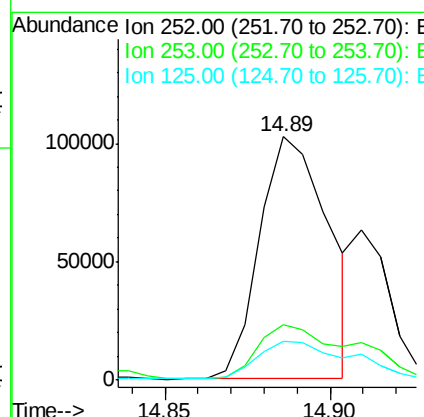
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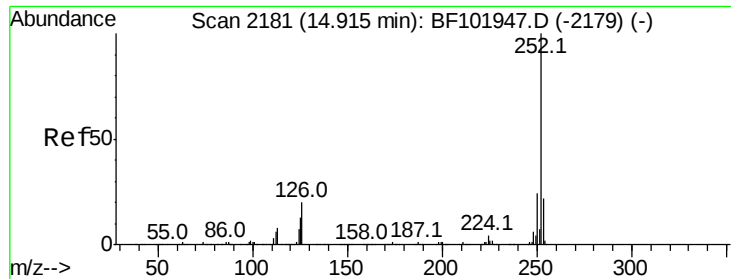
Sohil
1/11/2018 10:53:05 AM



#87
Benzo(b)fluoranthene
Concen: 6.014 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	15.9	9.0	13.6





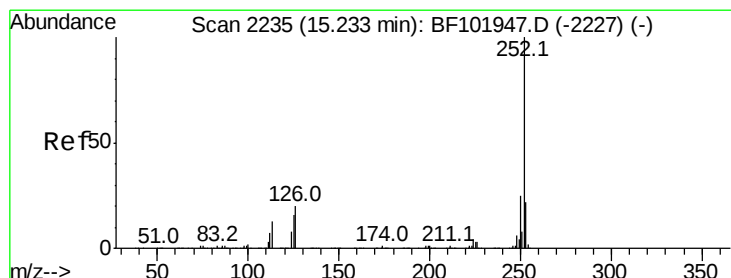
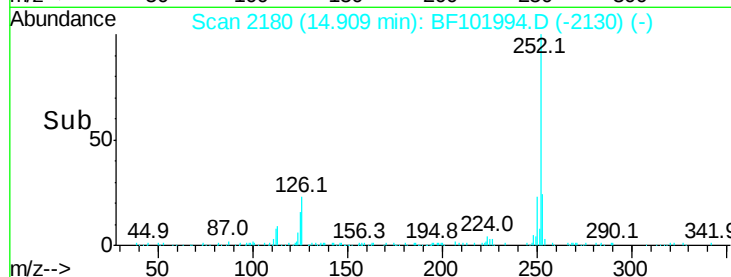
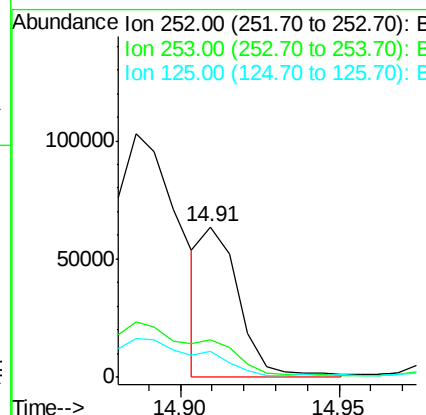
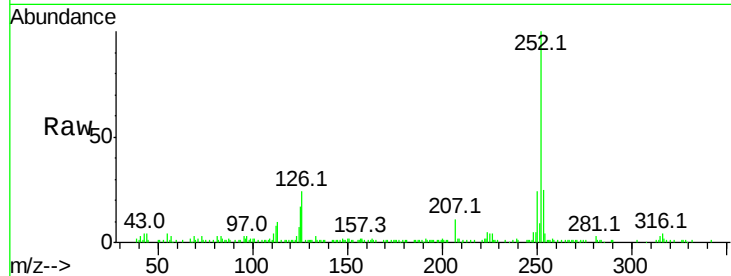
#88
Benzo(k)fluoranthene
Concen: 2.117 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Instrument :
BNA_F
ClientSampleId :
WC-096613-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	17.4	10.2	15.2

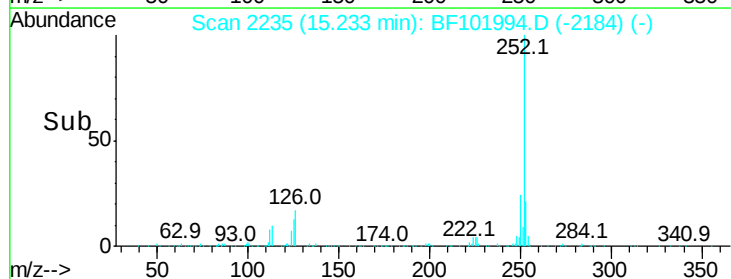
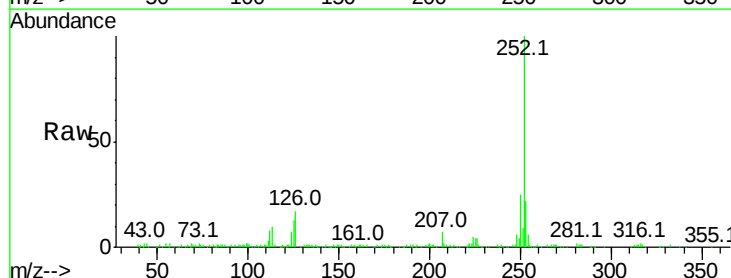
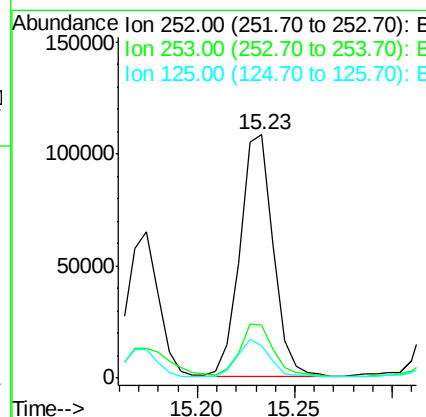
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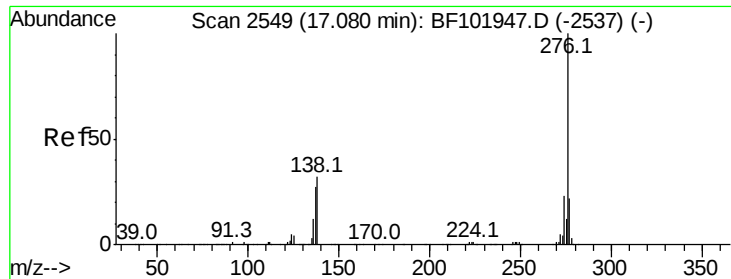
Sohil
1/11/2018 10:53:05 AM



#89
Benzo(a)pyrene
Concen: 5.738 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF101994.D
Acq: 10 Jan 2018 22:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	13.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.619 ng
 RT: 17.07 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BF101994.D
 Acq: 10 Jan 2018 22:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-096613-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	31.7	21.8	32.8

Manual Integrations
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