

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102651.D
 Acq On : 30 Jan 2018 20:36
 Operator : SJ/JU
 Sample : J1362-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-COMP

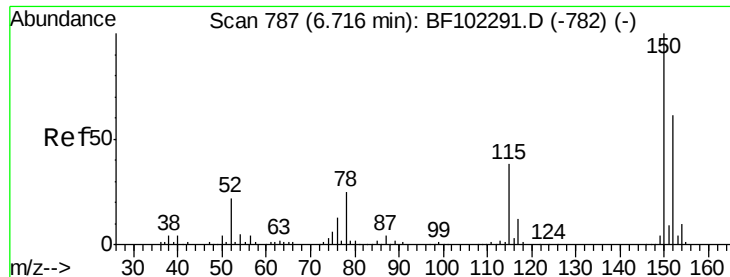
Manual Integrations
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 1/31/2018 2:00:22 PM

Quant Time: Jan 31 03:02:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	155624	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	629047	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	250853	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	336858	20.00	ng	0.00
75) Chrysene-d12	13.87	240	270598	20.00	ng	0.00
86) Perylene-d12	15.32	264	241912	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1178514	114.82	ng	0.00
7) Phenol-d6	6.36	99	1413414	114.23	ng	0.00
23) Nitrobenzene-d5	7.28	82	874015	79.85	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	186410	75.00	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1222656	71.66	ng	0.00
78) Terphenyl-d14	12.82	244	781465	65.10	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	106121	5.118	ng	Qvalue 100
51) Acenaphthene	9.78	154	43871	2.766	ng	97
57) Fluorene	10.29	166	58439	3.435	ng	98
70) Phenanthrene	11.26	178	552298	28.136	ng	99
71) Anthracene	11.31	178	171895	8.579	ng	99
72) Carbazole	11.47	167	48743	2.494	ng	97
74) Fluoranthene	12.44	202	605458	30.247	ng	99
77) Pyrene	12.67	202	585391	27.980	ng	99
80) Benzo(a)anthracene	13.87	228	286847	17.218	ng	97
82) Chrysene	13.90	228	281071	16.614	ng	98
83) Bis(2-ethylhexyl)phthalate	13.84	149	53383	3.815	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.73	276	94660	6.775	ng	98
87) Benzo(b)fluoranthene	14.90	252	316286m	20.172	ng	
88) Benzo(k)fluoranthene	14.93	252	85416m	5.766	ng	
89) Benzo(a)pyrene	15.26	252	213055	15.066	ng	# 92
90) Dibenzo(a,h)anthracene	16.73	278	24327	2.124	ng	# 53
91) Benzo(g,h,i)perylene	17.15	276	91219	8.065	ng	# 88

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



#1

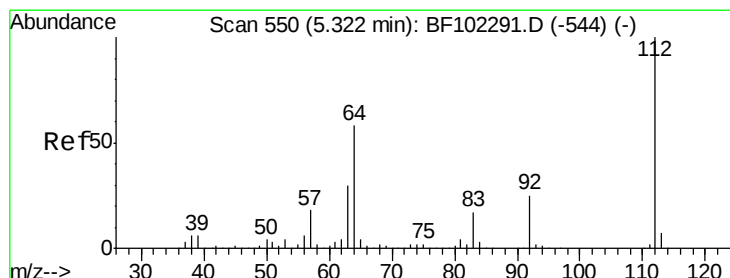
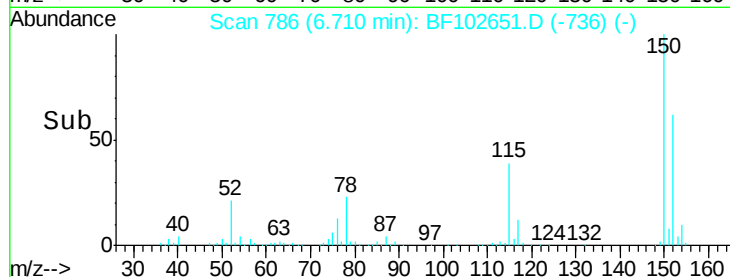
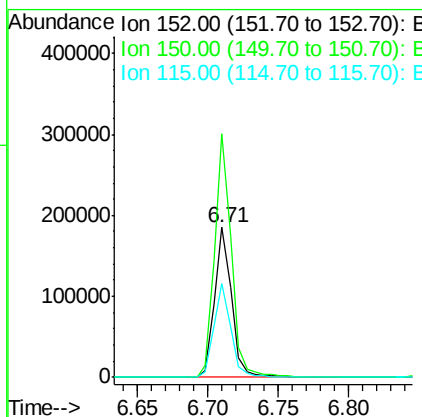
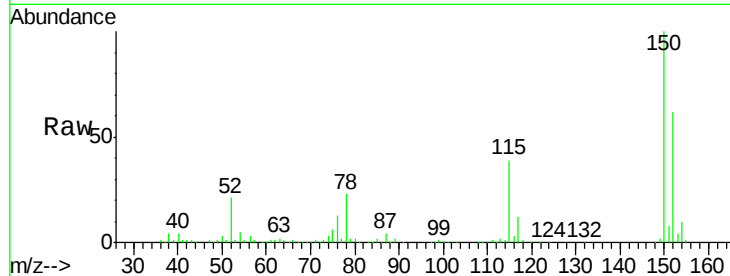
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Instrument :
BNA_F
ClientSampleId :
WC-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	124.6	186.8
115	62.9	50.1	75.1

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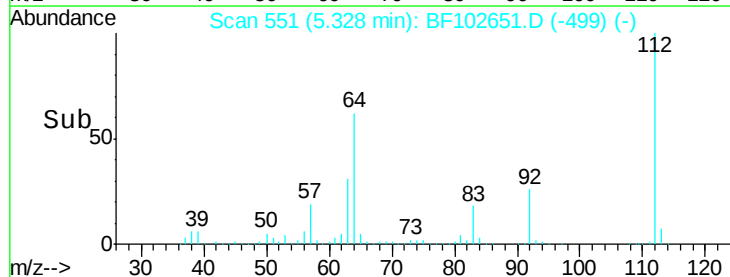
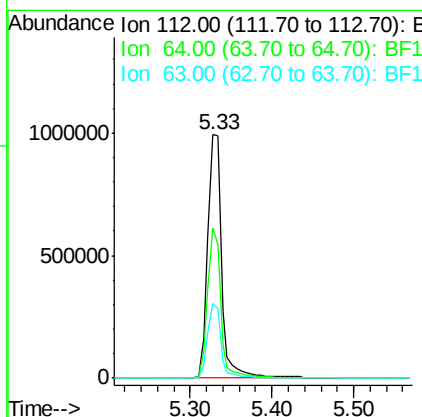
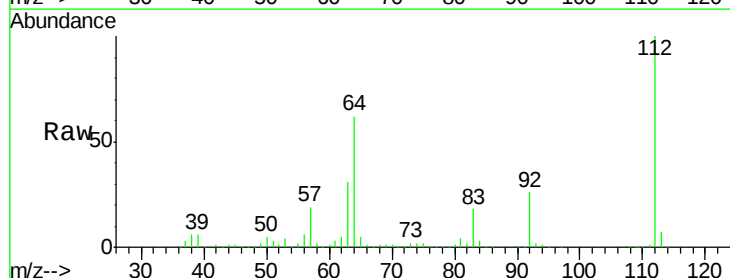
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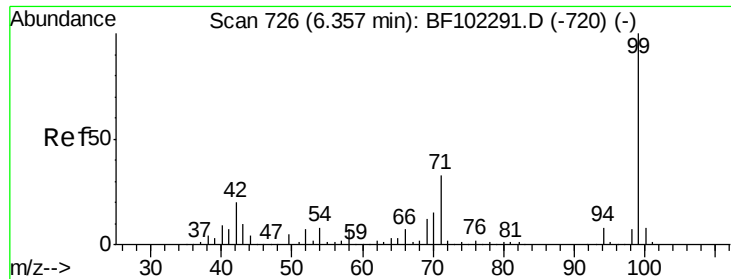


#5

2-Fluorophenol
Concen: 114.824 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 114.226 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Instrument :

BNA_F

ClientSampled :

WC-2-COMP

Tot Ion: 99 Resp: 1413414

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

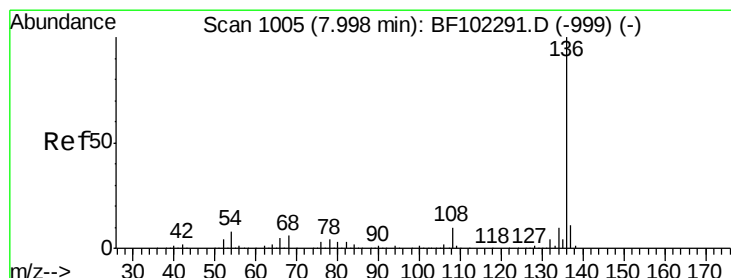
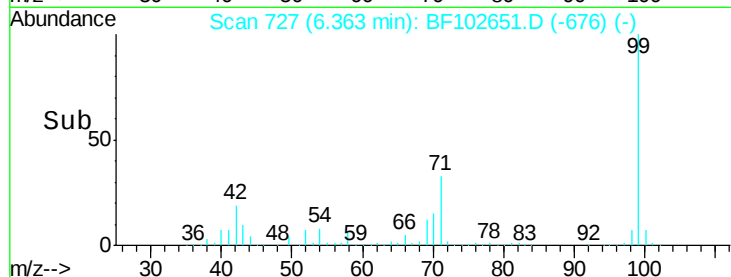
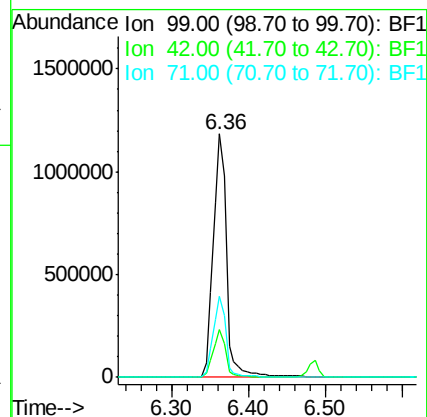
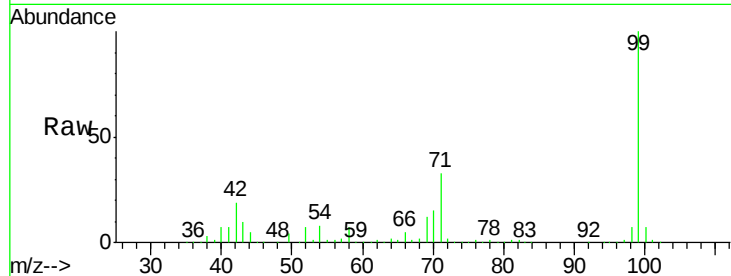
71 33.3 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Tgt Ion: 136 Resp: 629047

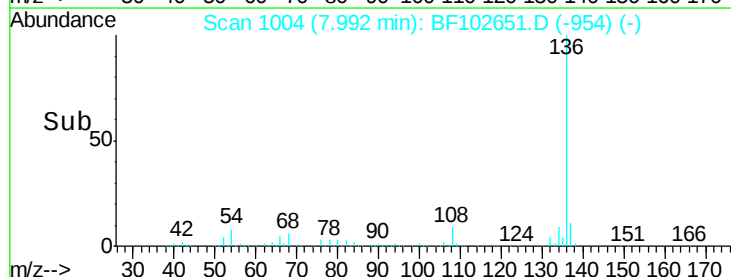
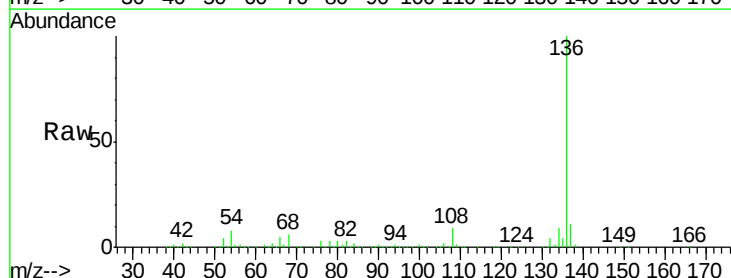
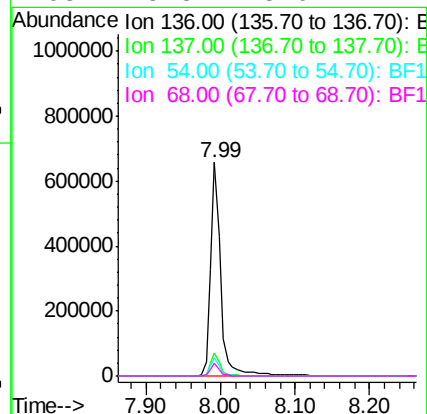
Ion Ratio Lower Upper

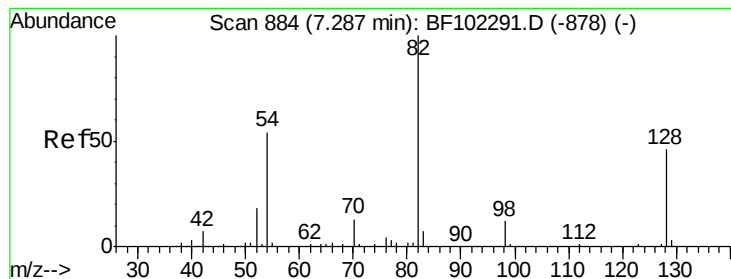
136 100

137 10.9 8.9 13.3

54 8.3 6.6 9.8

68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 79.846 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Instrument :

BNA_F

ClientSampleId :

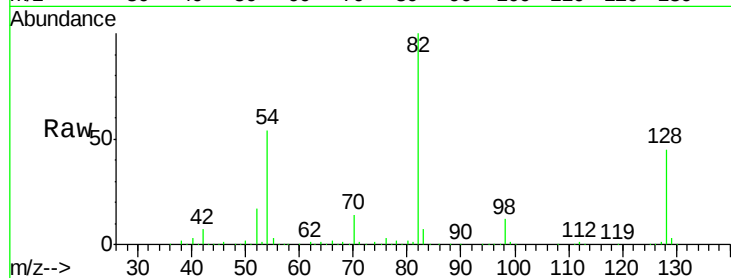
WC-2-COMP

Tot Ion: 82 Resp: 874015
Ion Ratio Lower Upper

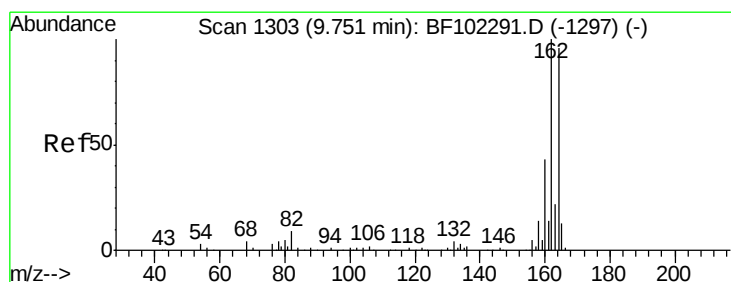
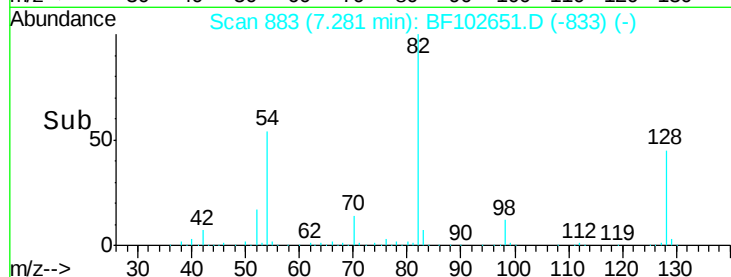
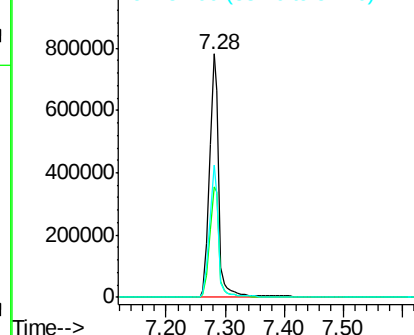
82	100		
128	45.3	36.1	54.1
54	54.3	41.4	62.2

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

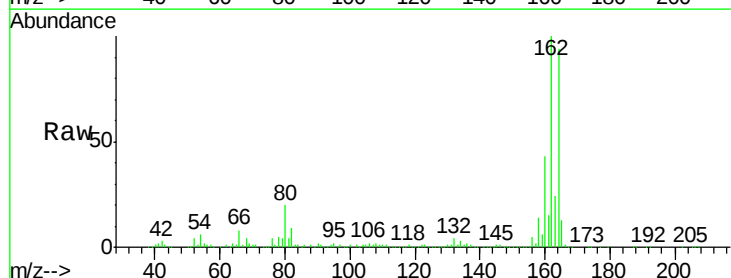
Delta R.T. -0.01 min

Lab File: BF102651.D

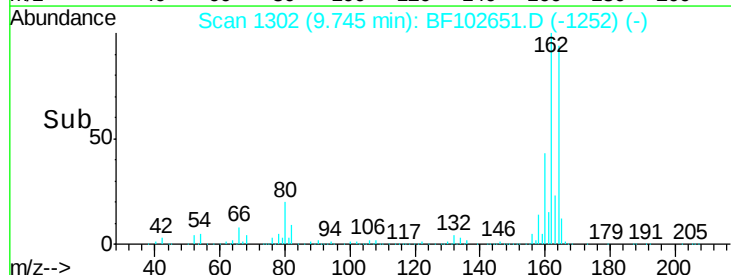
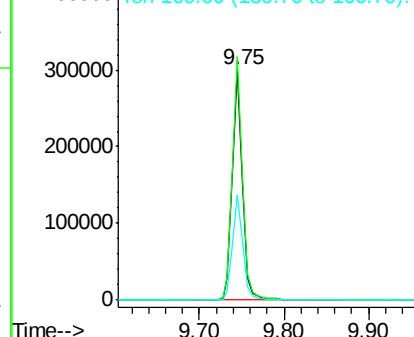
Acq: 30 Jan 2018 20:36

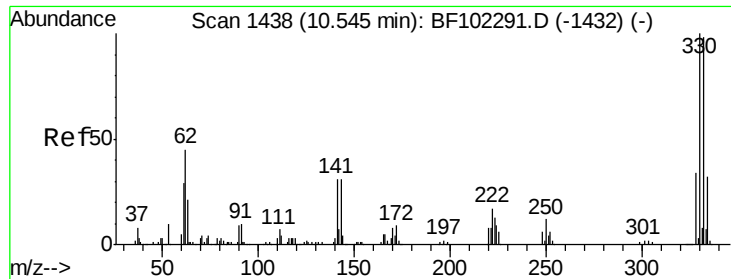
Tgt Ion: 164 Resp: 250853
Ion Ratio Lower Upper

164	100		
162	105.9	86.1	129.1
160	46.0	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





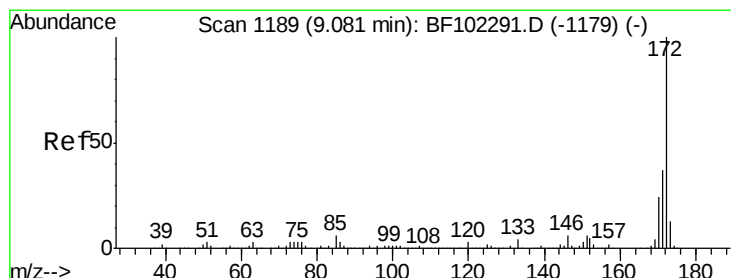
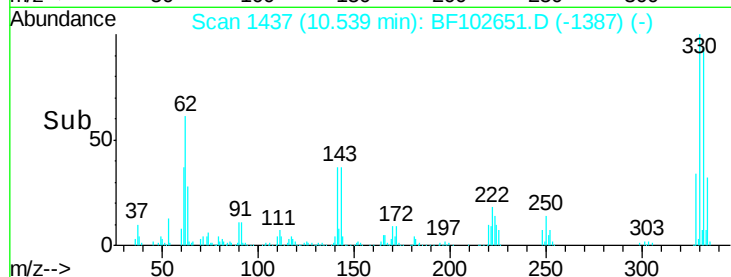
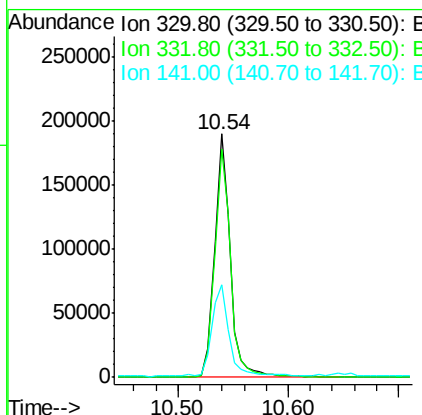
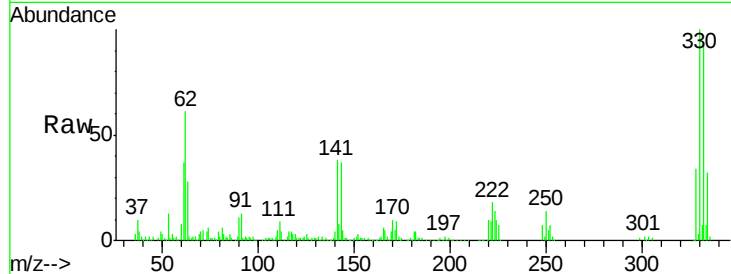
#41
 2,4,6-Tribromophenol
 Concen: 74.996 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102651.D
 Acq: 30 Jan 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
330	100		186410		
332	95.3	77.0	115.6		
141	41.5	29.9	44.9		

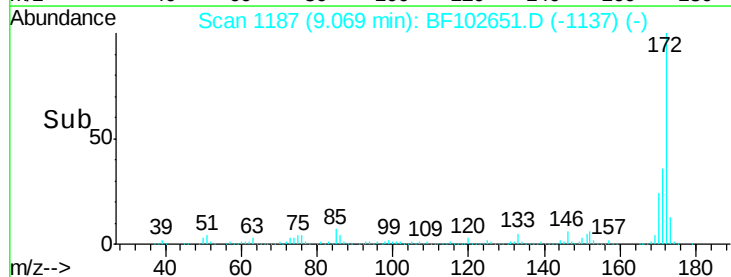
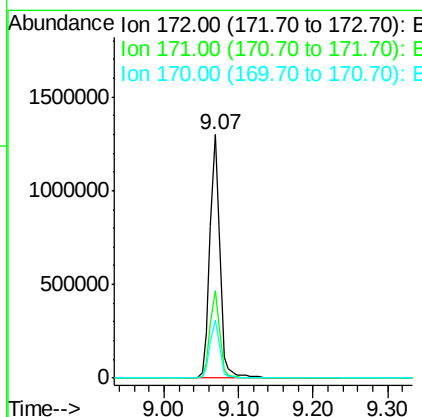
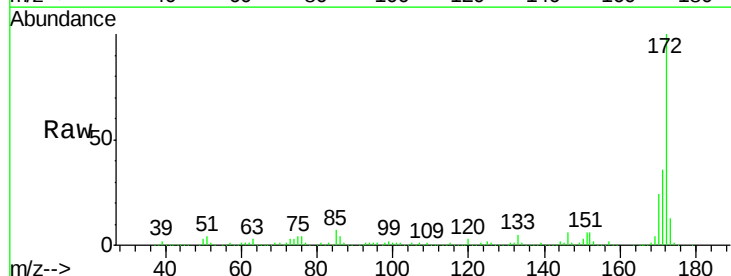
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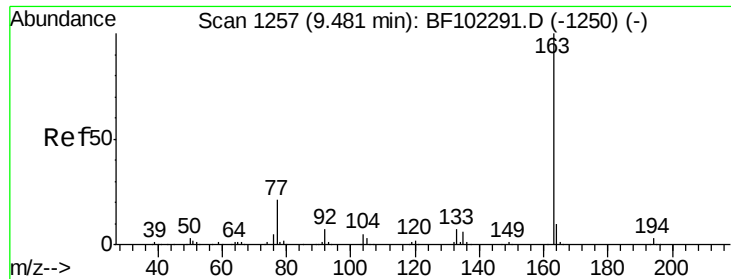
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#44
 2-Fluorobiphenyl
 Concen: 71.665 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102651.D
 Acq: 30 Jan 2018 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1222656		
171	36.1	29.7	44.5		
170	24.0	19.6	29.4		





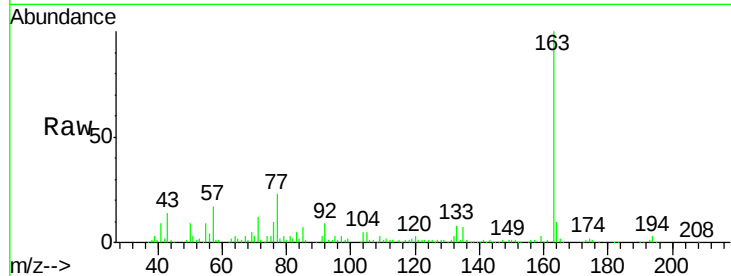
#49
Dimethylphthalate
Concen: 5.118 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Instrument :
BNA_F
ClientSampleId :
WC-2-COMP

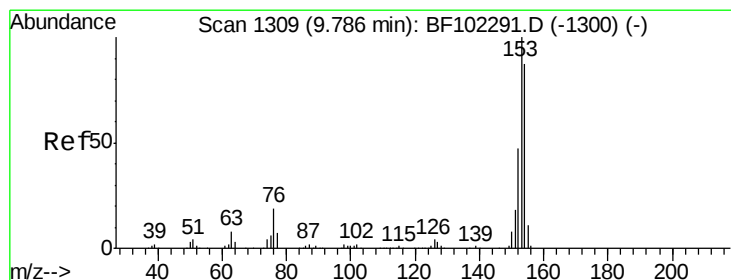
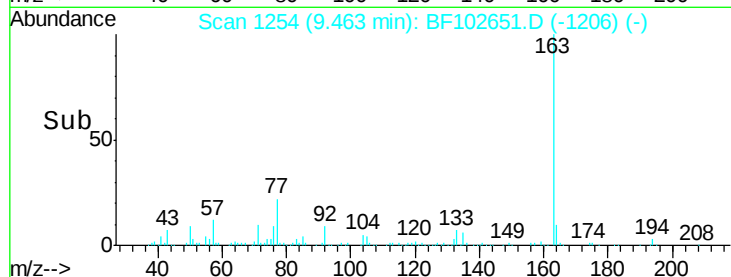
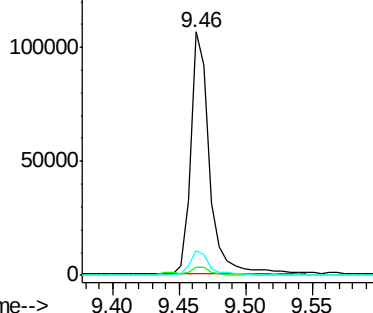
Tot Ion:	163	Resp:	106121
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2

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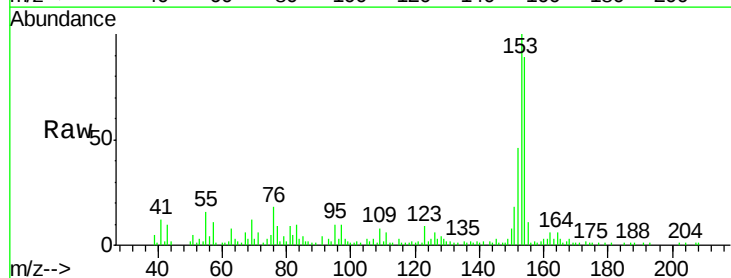


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

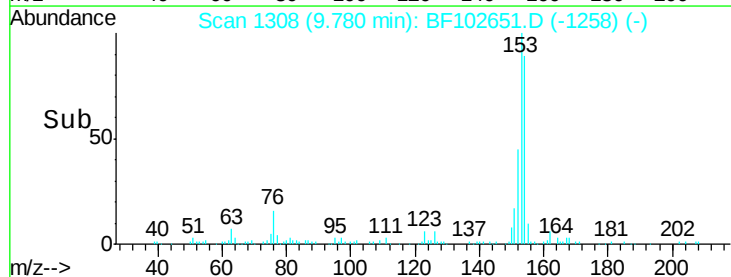
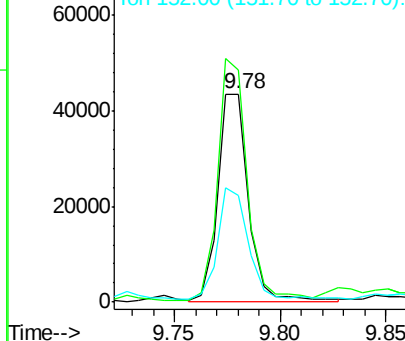


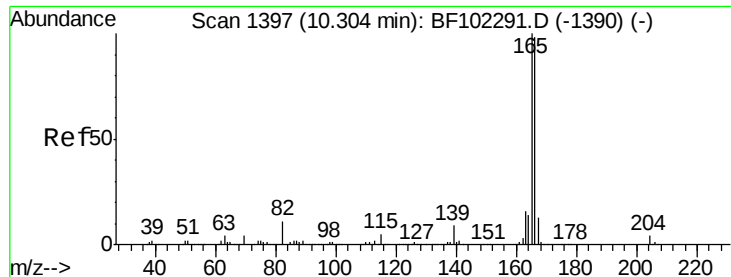
#51
Acenaphthene
Concen: 2.766 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Tgt Ion:	154	Resp:	43871
Ion Ratio	Lower	Upper	
154	100		
153	111.8	91.2	136.8
152	51.5	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





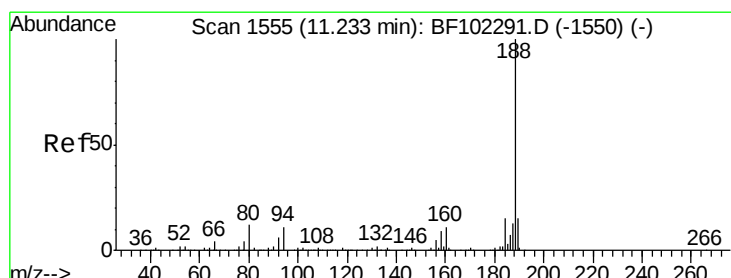
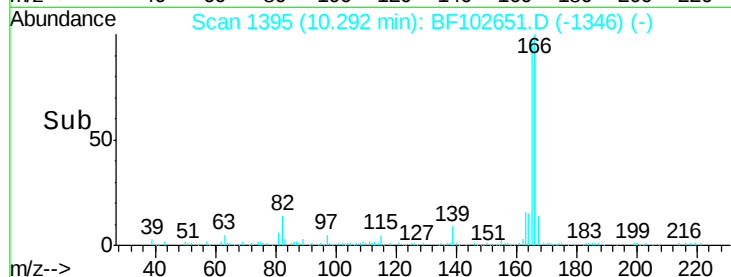
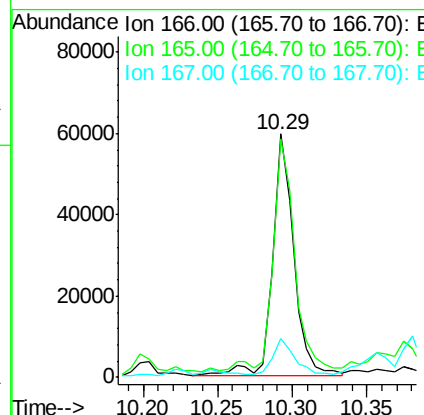
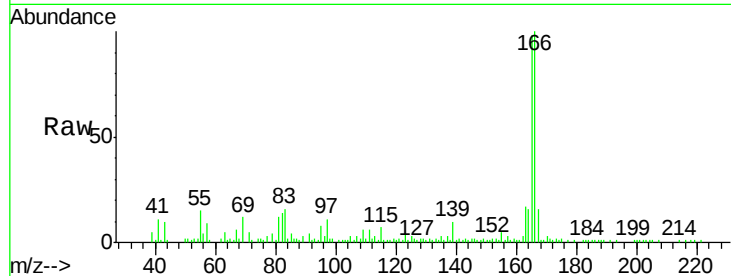
#57
Fluorene
 Concen: 3.435 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF102651.D
 Acq: 30 Jan 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.8	119.8
167	15.9	10.6	16.0

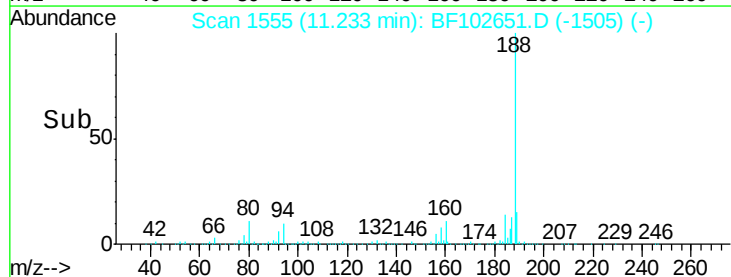
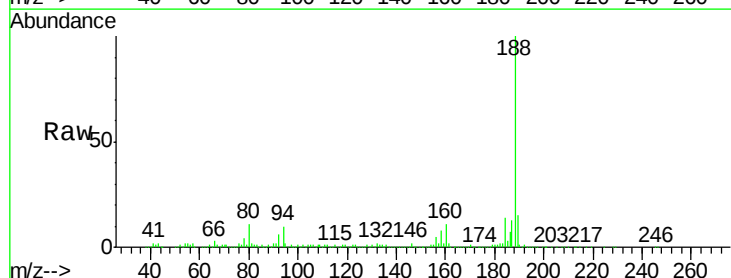
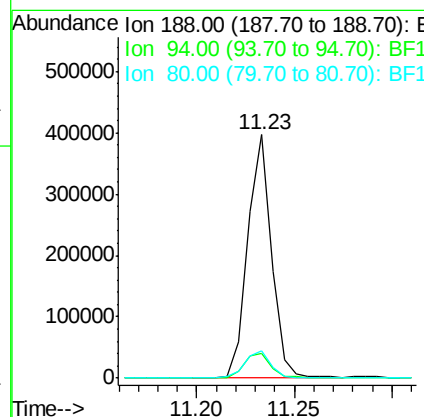
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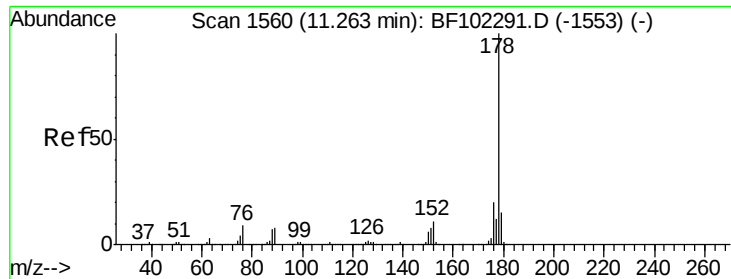
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102651.D
 Acq: 30 Jan 2018 20:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8





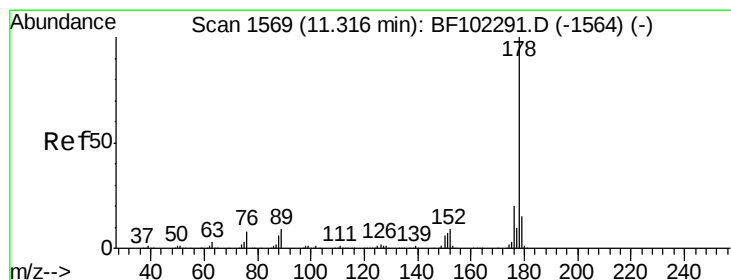
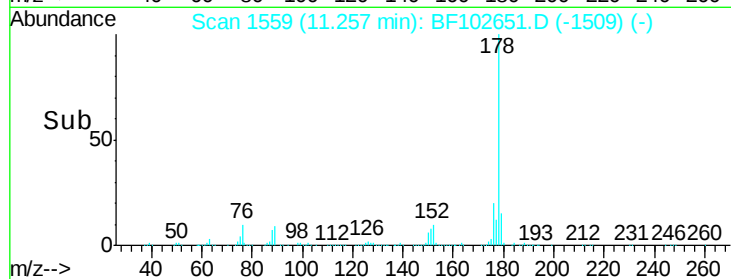
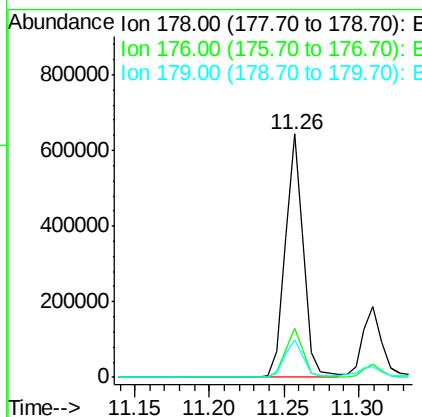
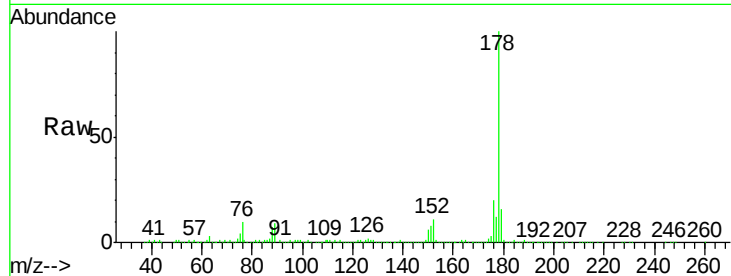
#70
Phenanthrene
Concen: 28.136 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Instrument :
BNA_F
ClientSampleId :
WC-2-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.5	13.0	19.6

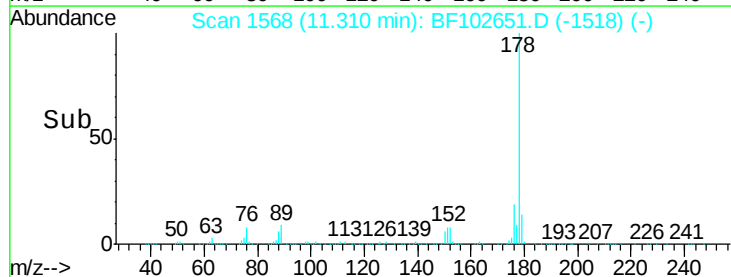
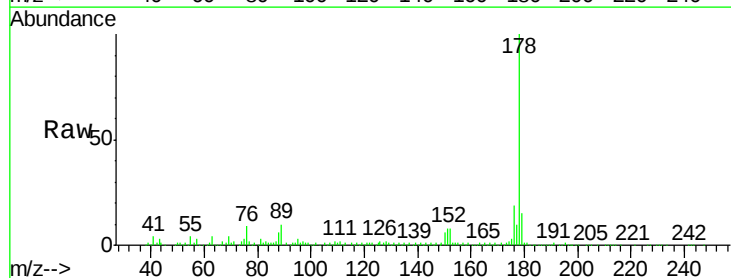
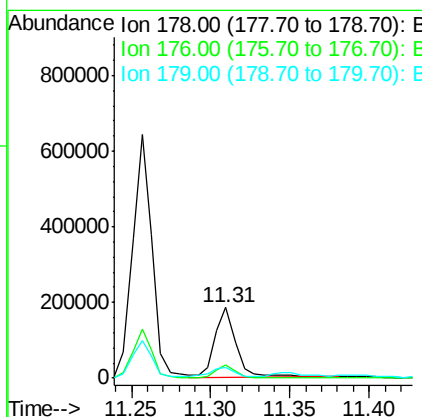
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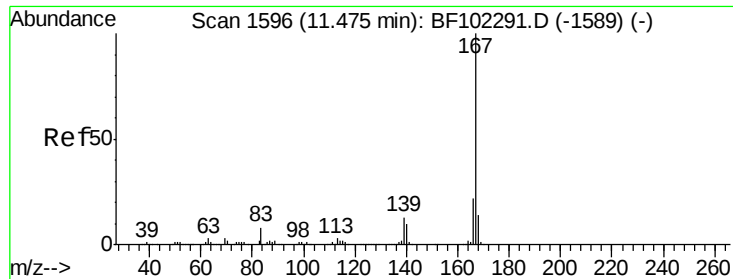
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#71
Anthracene
Concen: 8.579 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	14.9	12.6	19.0





#72

Carbazole

Concen: 2.494 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Instrument :

BNA_F

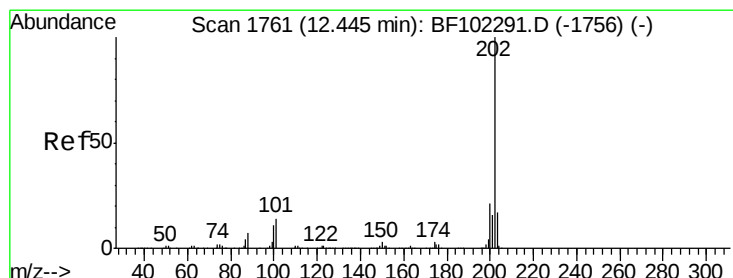
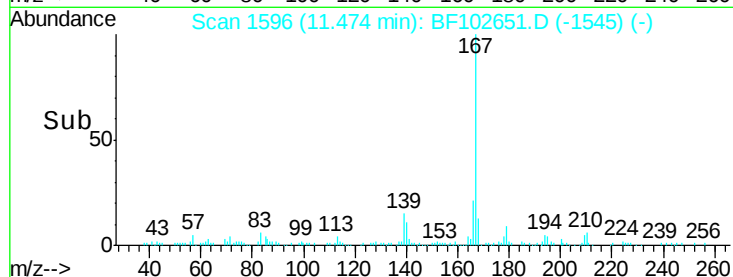
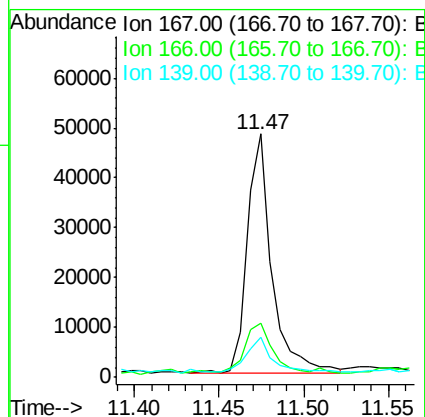
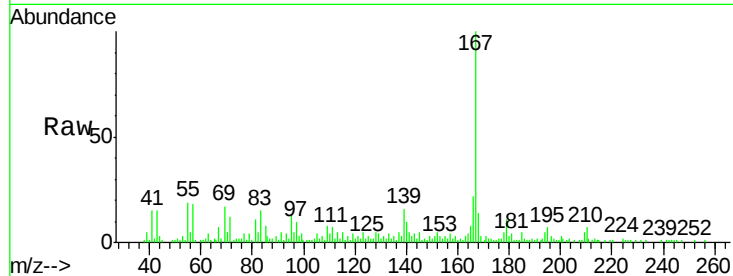
ClientSampleId :

WC-2-COMP

Tot Ion:	167	Resp:	48743
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.6	26.4
139	16.2	10.9	16.3

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#74

Fluoranthene

Concen: 30.247 ng

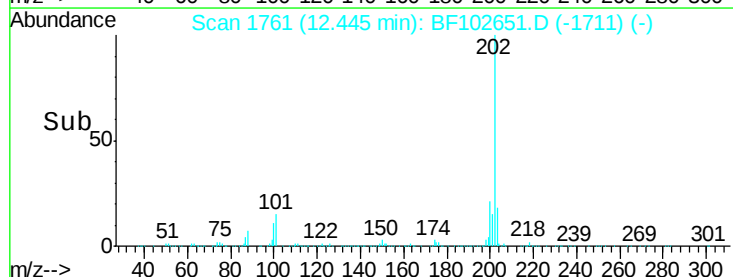
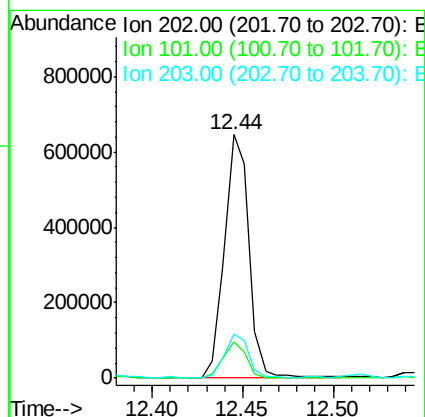
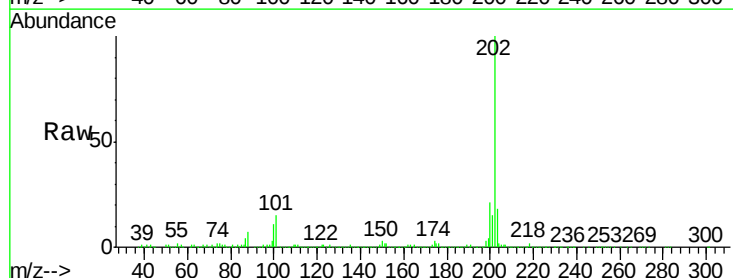
RT: 12.44 min Scan# 1761

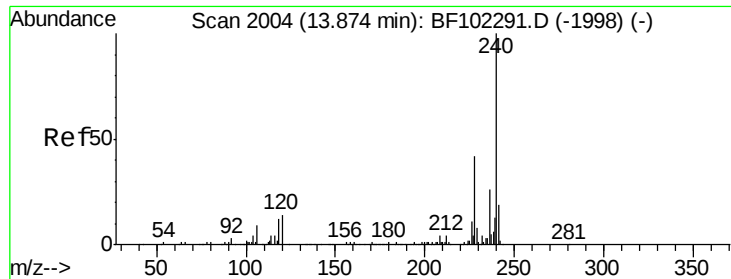
Delta R.T. -0.01 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Tgt Ion:	202	Resp:	605458
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	34.1
203	17.9	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: BF102651.D

Acq: 30 Jan 2018 20:36

Instrument :

BNA_F

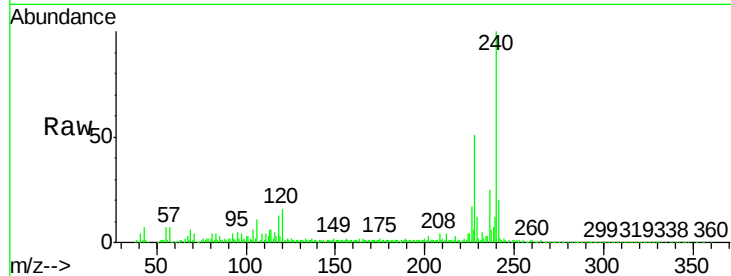
ClientSampleId :

WC-2-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.9	9.5	14.3
236	24.8	20.7	31.1

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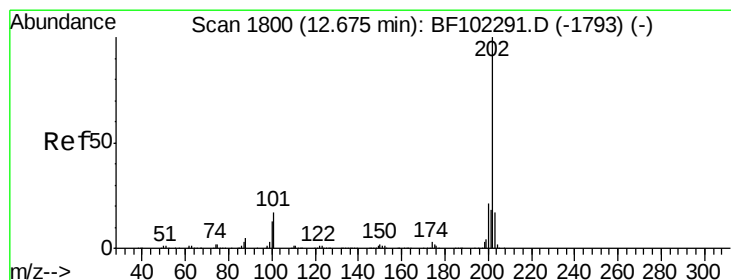
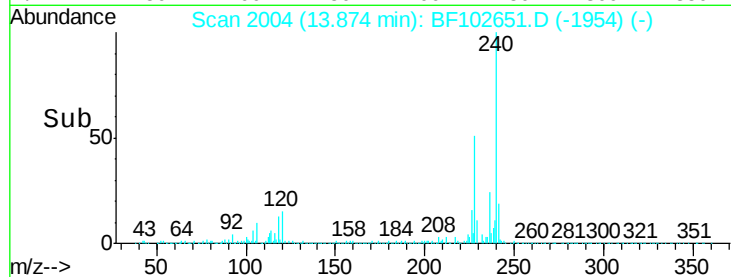
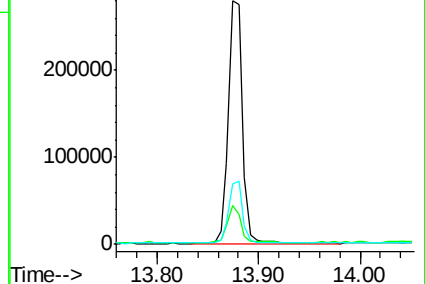
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 27.980 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102651.D

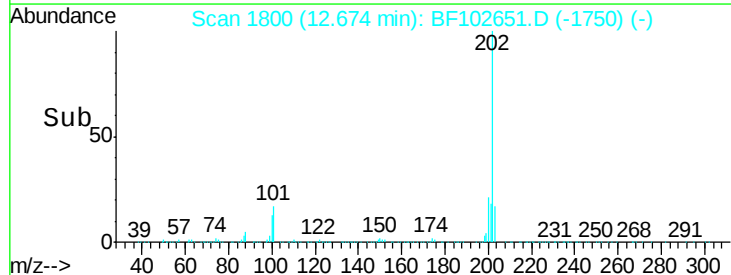
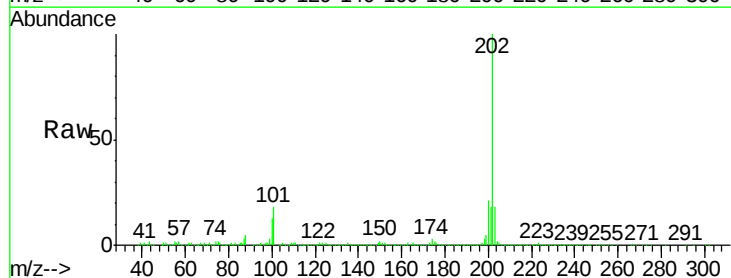
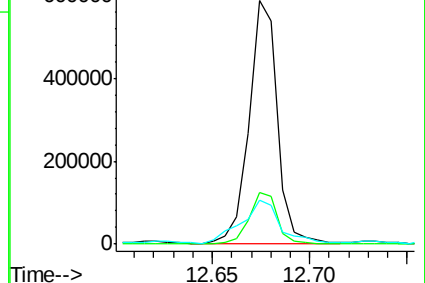
Acq: 30 Jan 2018 20:36

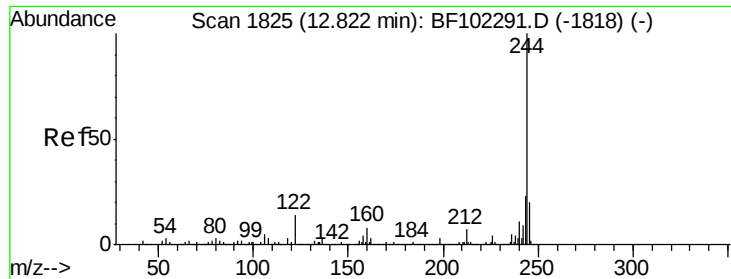
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.3	21.5

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: 65.104 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Instrument :

BNA_F

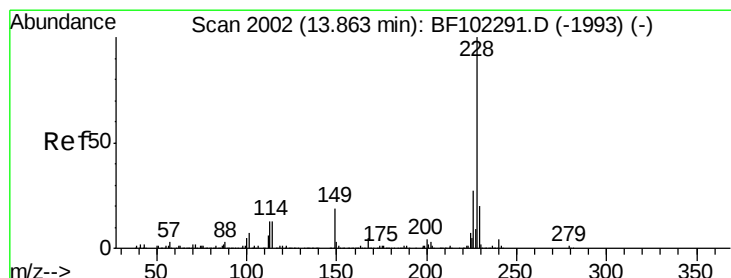
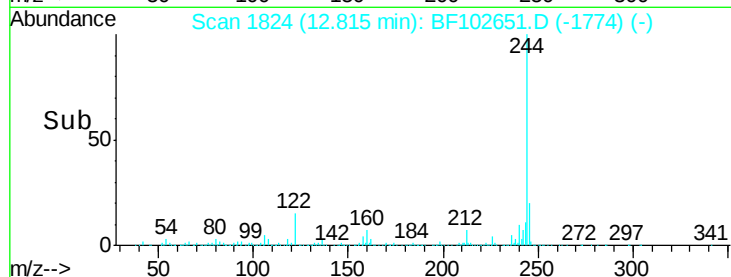
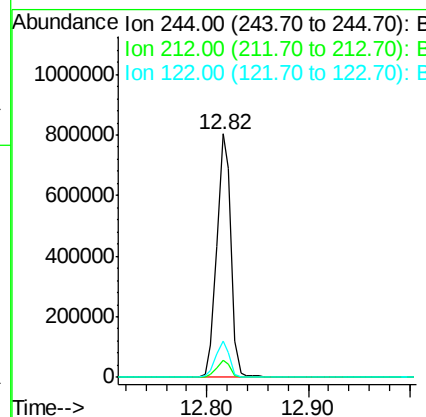
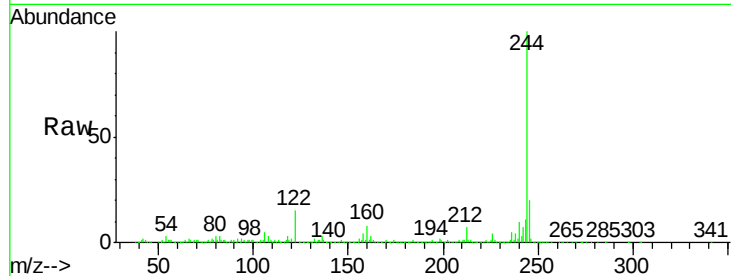
ClientSampled :

WC-2-COMP

Tot Ion:	244	Resp:	781465
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	14.7	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 17.218 ng

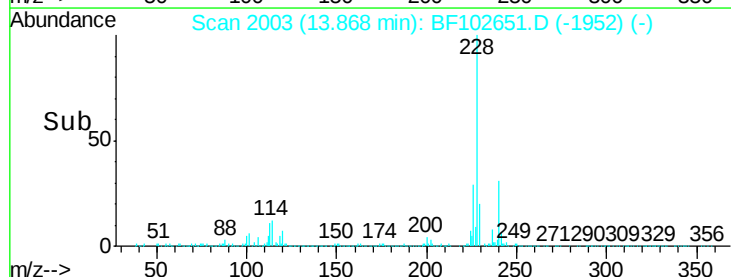
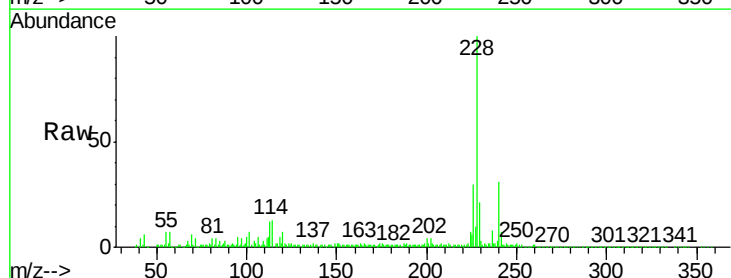
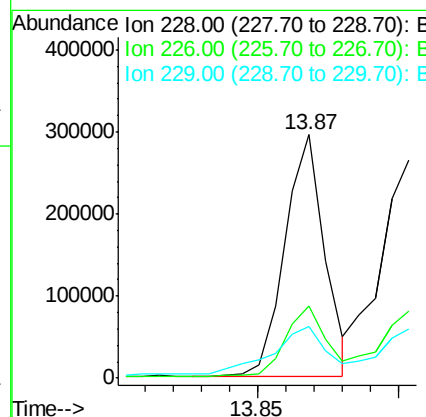
RT: 13.87 min Scan# 2003

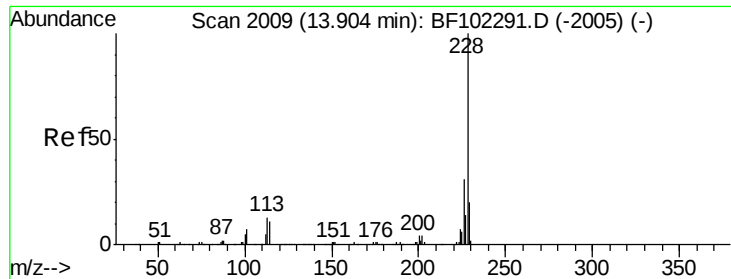
Delta R.T. -0.00 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Tgt Ion:	228	Resp:	286847
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.6	33.8
229	21.2	15.8	23.6





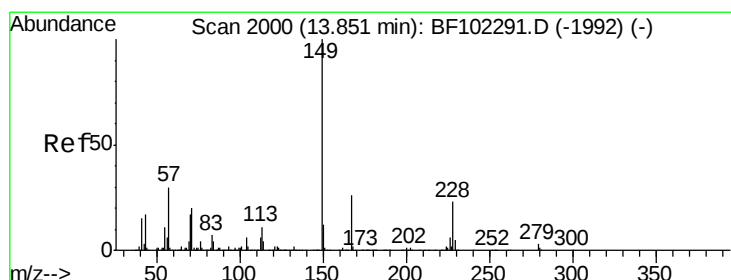
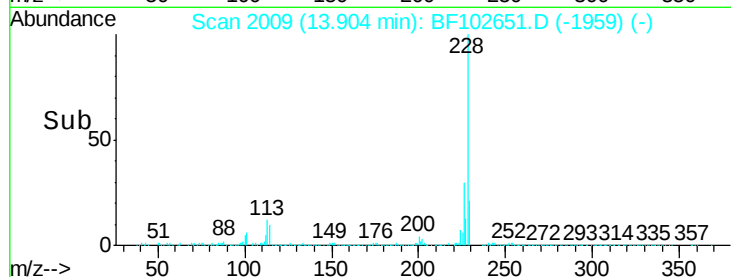
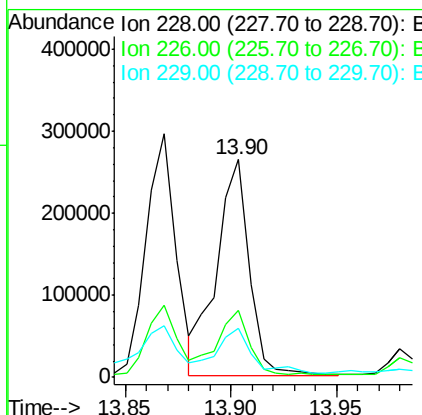
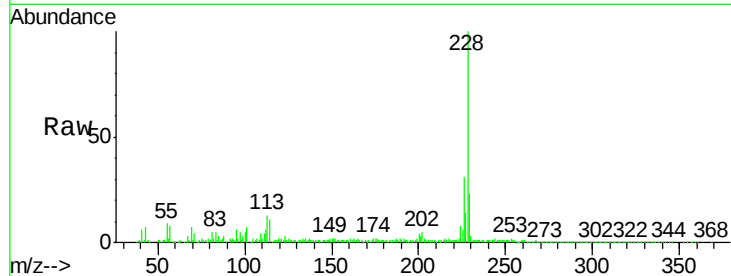
#82
Chrysene
Concen: 16.614 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Instrument :
BNA_F
ClientSampleId :
WC-2-COMP

Tot Ion:	228	Resp:	281071
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.5	16.2	24.4

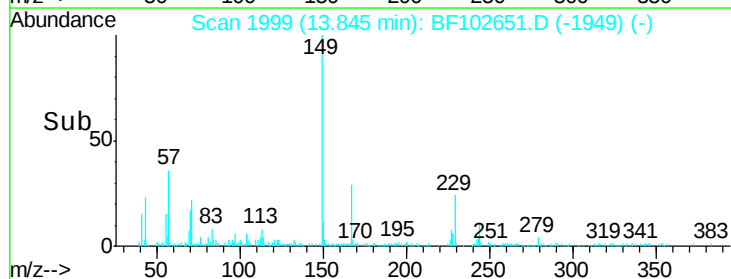
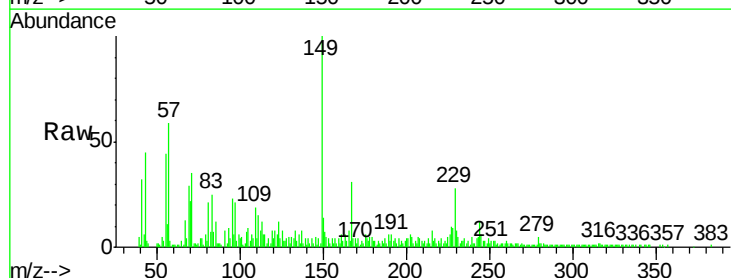
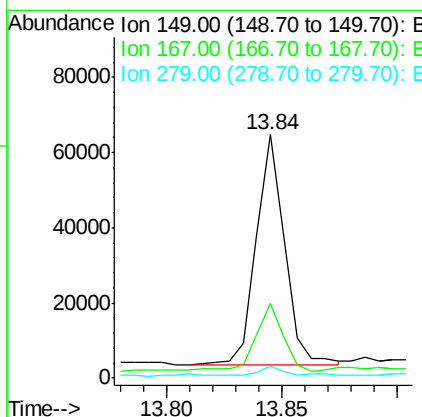
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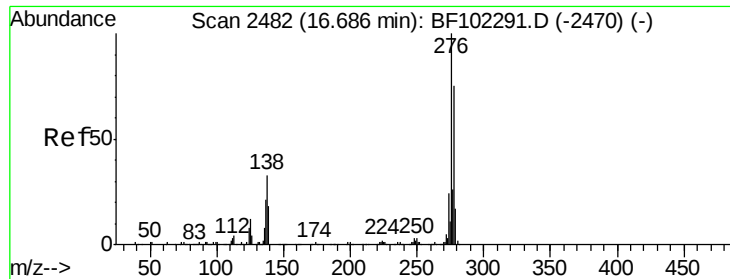
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.815 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Tgt Ion:	149	Resp:	53383
Ion Ratio	Lower	Upper	
149	100		
167	30.5	21.3	31.9
279	4.9	3.0	4.4#





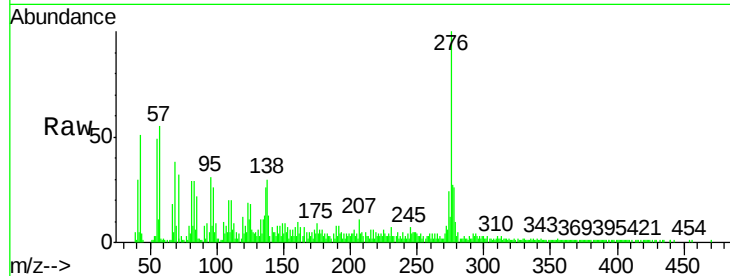
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.775 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Instrument :
BNA_F
ClientSampleId :
WC-2-COMP

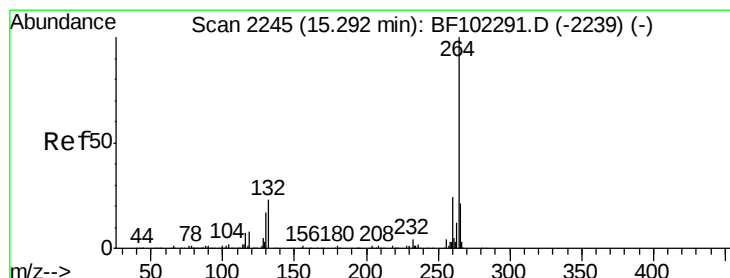
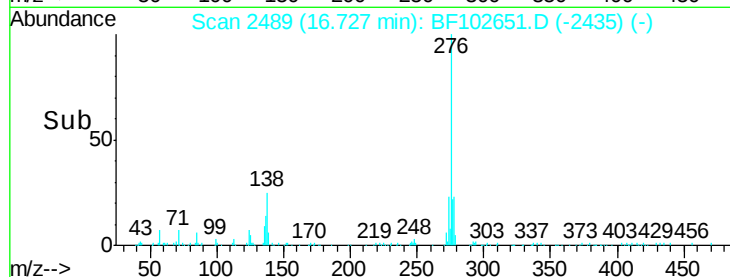
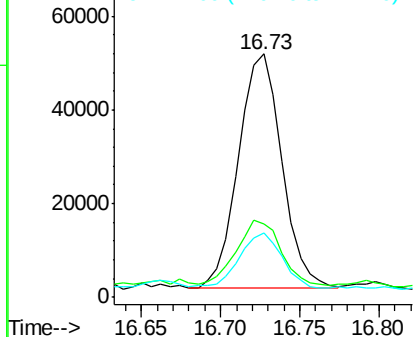
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	23.7	20.1	30.1

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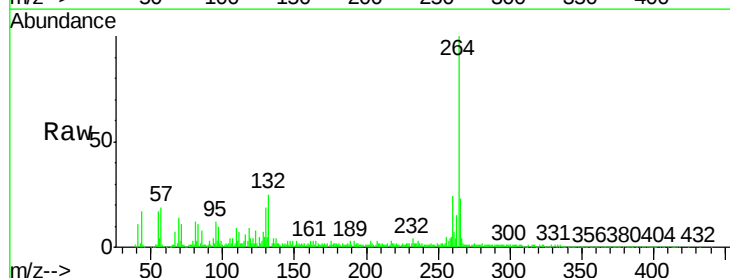


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

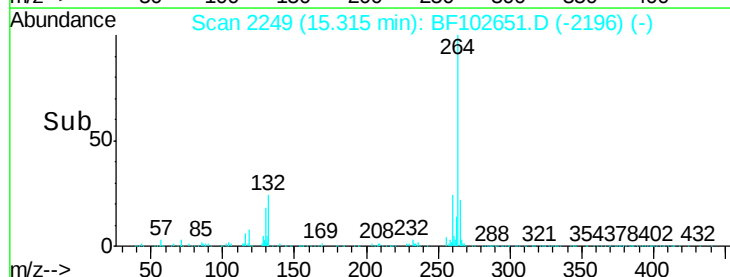
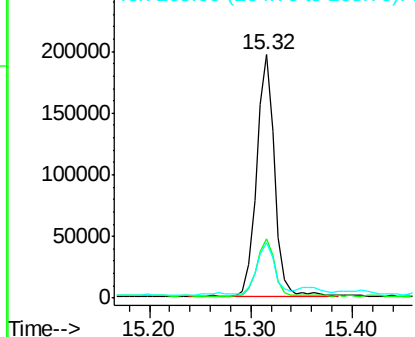


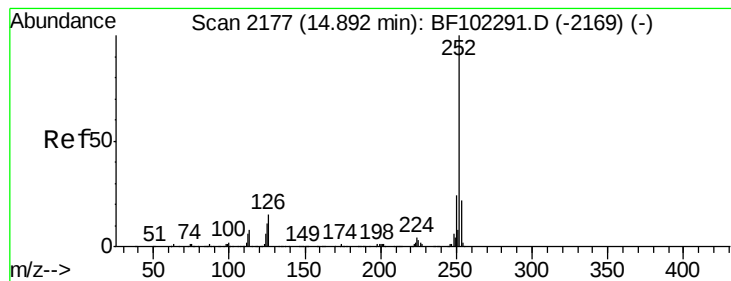
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.7	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: 20.172 ng m

RT: 14.90 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Instrument :

BNA_F

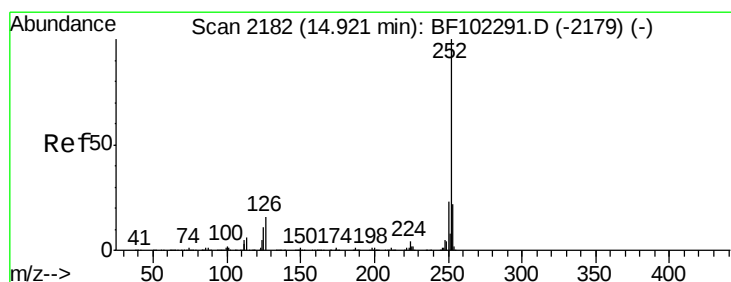
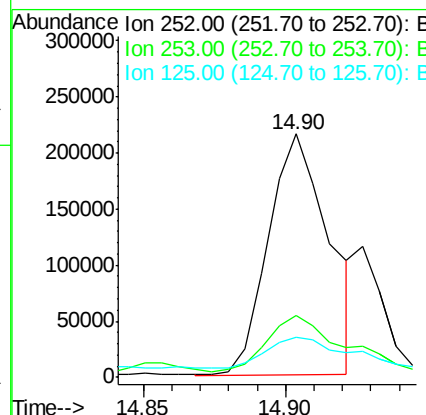
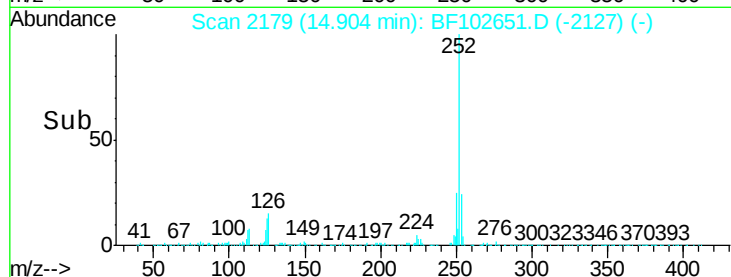
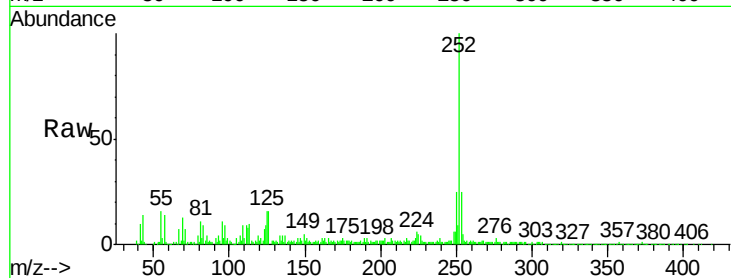
ClientSampled :

WC-2-COMP

Tot Ion:	252	Resp:	316286
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.0	25.6
125	16.3	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 5.766 ng m

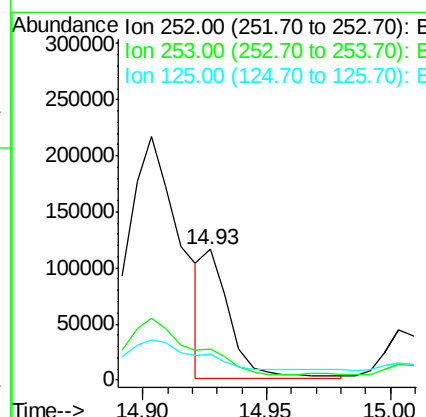
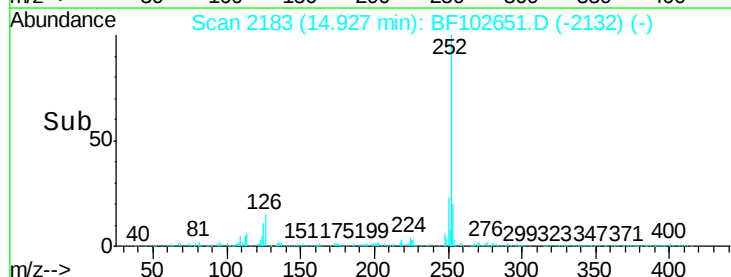
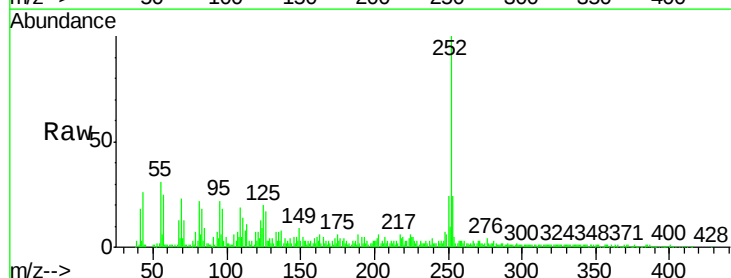
RT: 14.93 min Scan# 2183

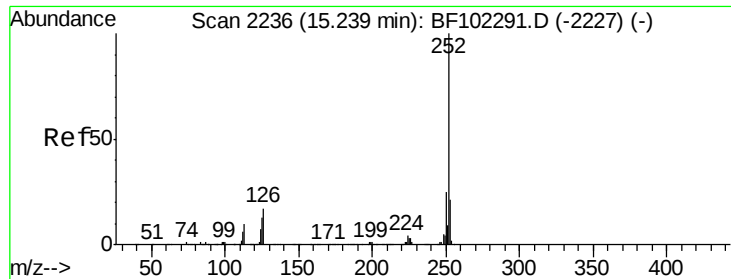
Delta R.T. -0.00 min

Lab File: BF102651.D

Acq: 30 Jan 2018 20:36

Tgt Ion:	252	Resp:	85416
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	19.5	10.2	15.2#





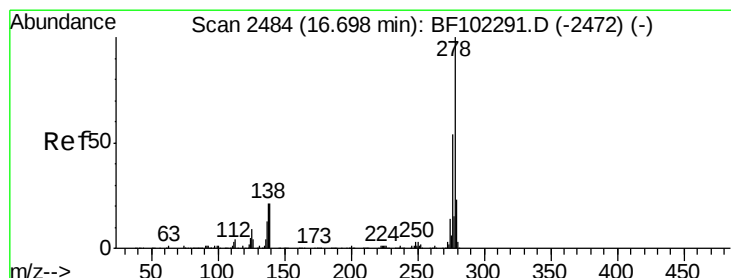
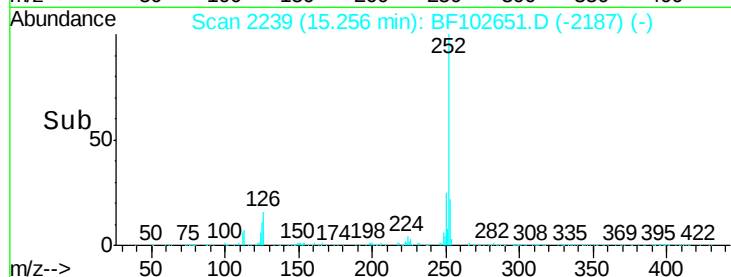
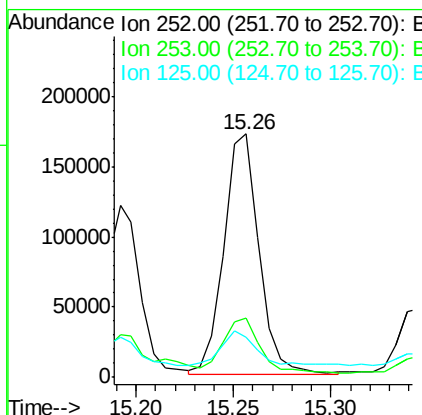
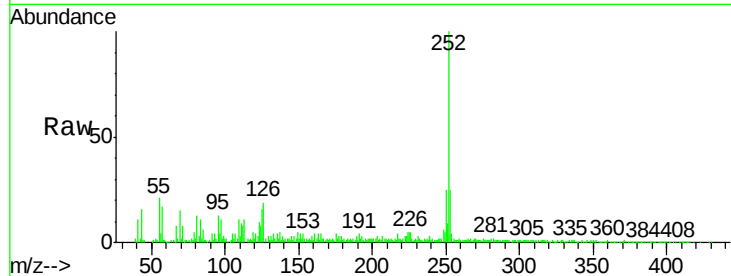
#89
Benzo(a)pyrene
Concen: 15.066 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Instrument :
BNA_F
ClientSampleId :
WC-2-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	16.4	9.8	14.6

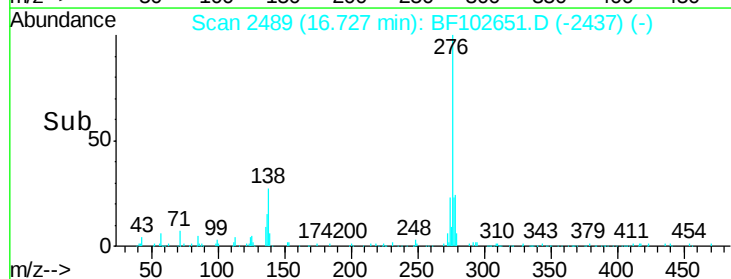
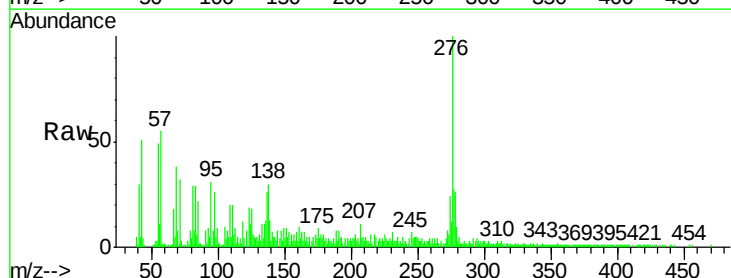
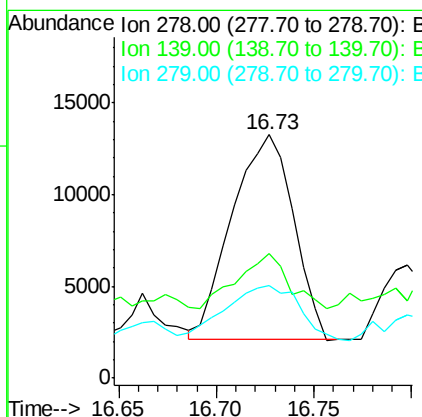
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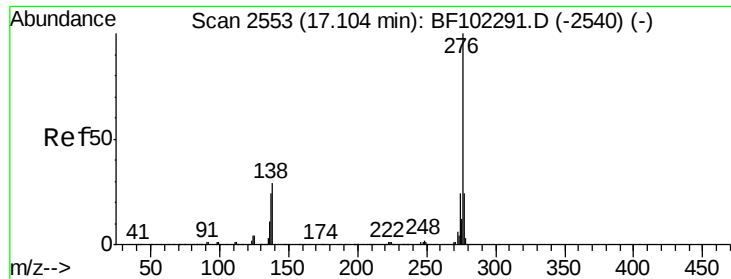
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#90
Dibenzo(a,h)anthracene
Concen: 2.124 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF102651.D
Acq: 30 Jan 2018 20:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	51.1	15.9	23.9
279	38.0	19.0	28.4





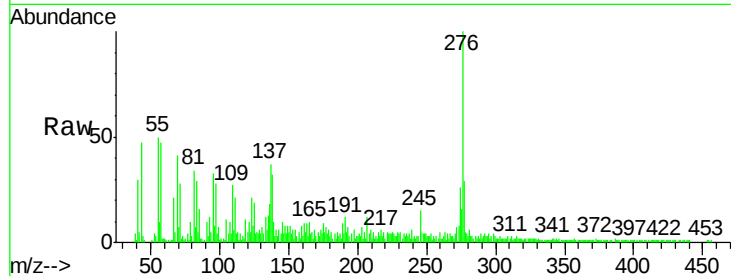
#91
 Benzo(a,h,i)perylene
 Concen: 8.065 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.02 min
 Lab File: BF102651.D
 Acq: 30 Jan 2018 20:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	17.9	26.9#
138	32.3	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

