

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102652.D
 Acq On : 30 Jan 2018 21:03
 Operator : SJ/JU
 Sample : J1362-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-COMP

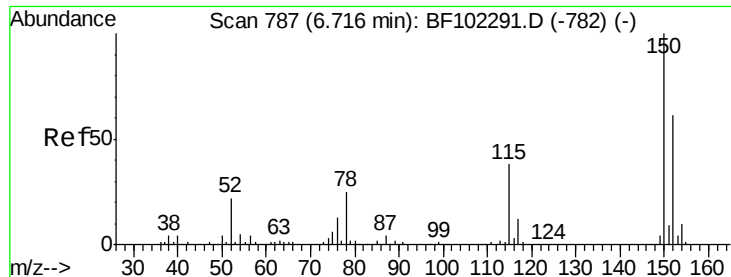
Manual Integrations
 APPROVED

Sohil
 1/31/2018 2:00:25 PM

Quant Time: Jan 31 03:05:53 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	158398	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	648793	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	265818	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	385444	20.00	ng	0.00
75) Chrysene-d12	13.87	240	285427	20.00	ng	0.00
86) Perylene-d12	15.32	264	238590	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1186468	113.57	ng	0.00
7) Phenol-d6	6.36	99	1417460	112.55	ng	0.00
23) Nitrobenzene-d5	7.28	82	872668	77.30	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	211931	80.46	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1253092	69.31	ng	0.00
78) Terphenyl-d14	12.82	244	834905	65.94	ng	0.00
Target Compounds						
10) Phenol	6.37	94	48933	3.559	ng	Qvalue 87
48) Acenaphthylene	9.61	152	77077	2.678	ng	98
49) Dimethylphthalate	9.47	163	132080	6.011	ng	97
70) Phenanthrene	11.26	178	165091	7.350	ng	99
71) Anthracene	11.31	178	71308	3.110	ng	97
74) Fluoranthene	12.45	202	260551	11.376	ng	99
77) Pyrene	12.67	202	268708	12.176	ng	99
80) Benzo(a)anthracene	13.87	228	125532	7.144	ng	92
82) Chrysene	13.90	228	123966m	6.947	ng	
83) Bis(2-ethylhexyl)phthalate	13.85	149	35270	2.390	ng	95
85) Indeno(1,2,3-cd)pyrene	16.73	276	56284	3.819	ng	98
87) Benzo(b)fluoranthene	14.90	252	169803m	10.980	ng	
88) Benzo(k)fluoranthene	14.93	252	47165m	3.228	ng	
89) Benzo(a)pyrene	15.26	252	126531	9.072	ng	# 90
91) Benzo(a,h,i)perylene	17.15	276	54373	4.874	ng	# 87

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



#1

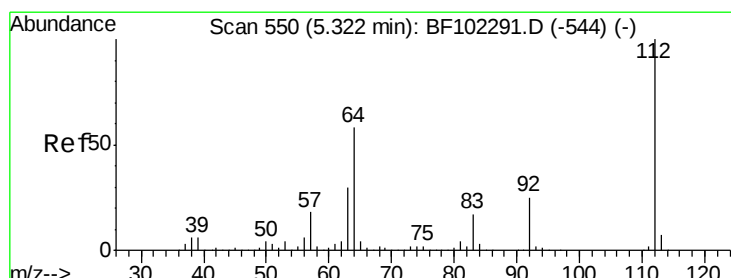
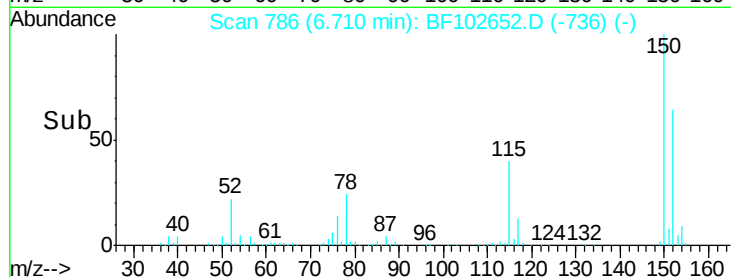
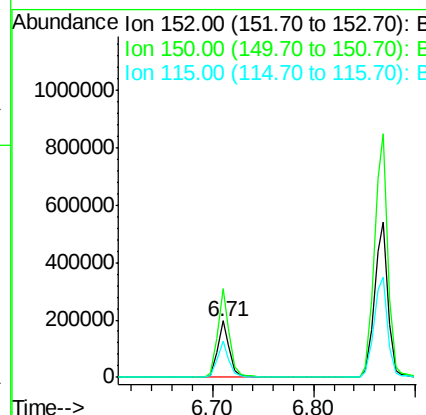
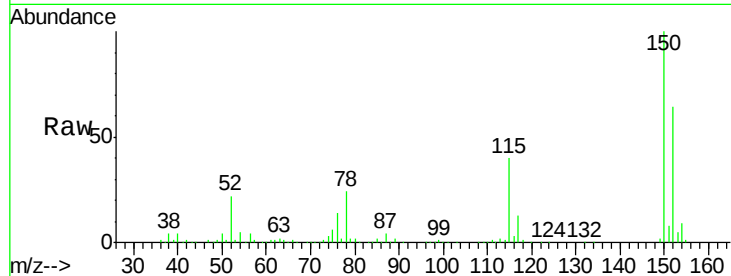
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Instrument :
BNA_F
ClientSampled :
WC-3-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	63.3	50.1	75.1

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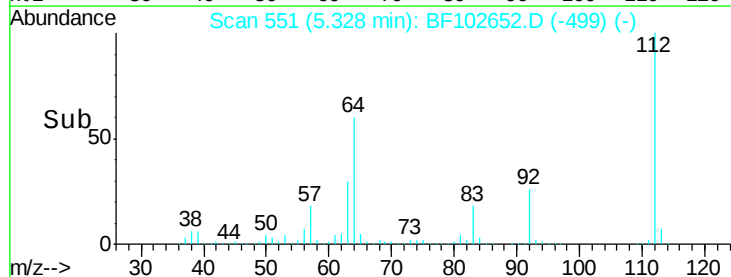
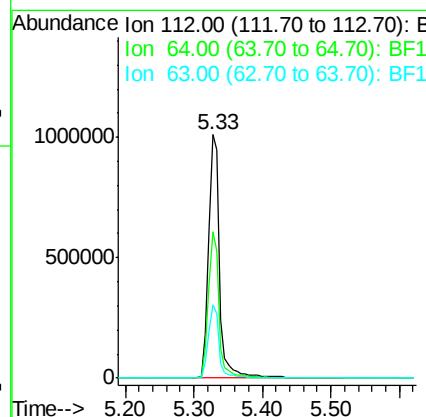
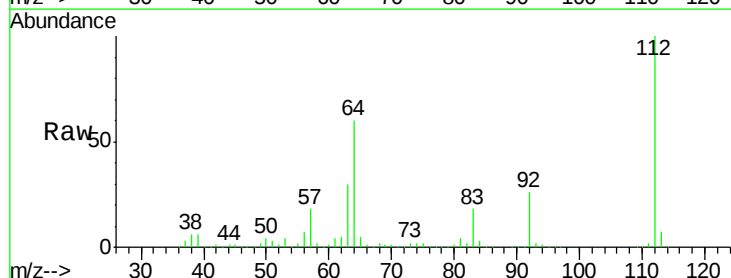
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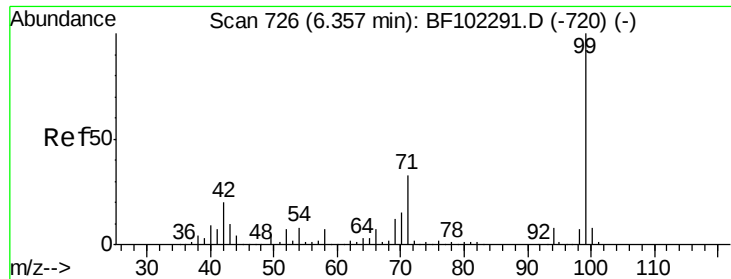


#5

2-Fluorophenol
Concen: 113.574 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 112.547 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampleId :

WC-3-COMP

Tot Ion: 99 Resp: 1417460

Ion Ratio Lower Upper

99 100

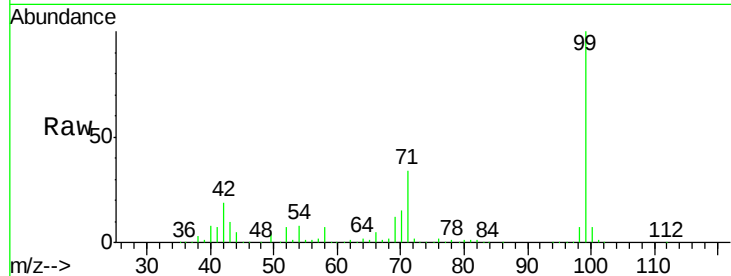
42 19.1 14.5 21.7

71 33.7 25.4 38.0

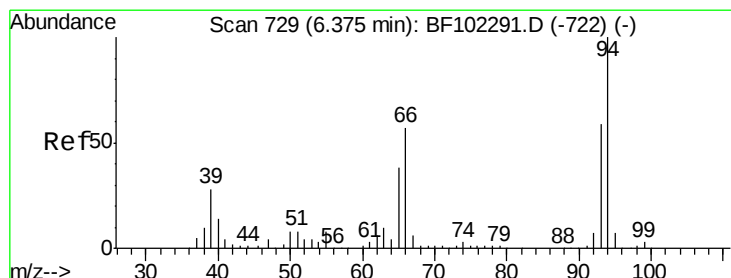
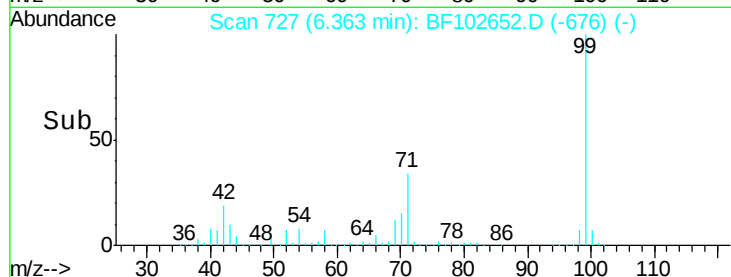
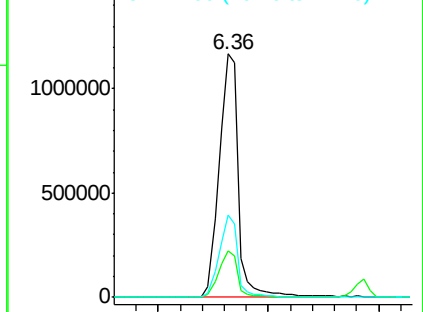
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.559 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

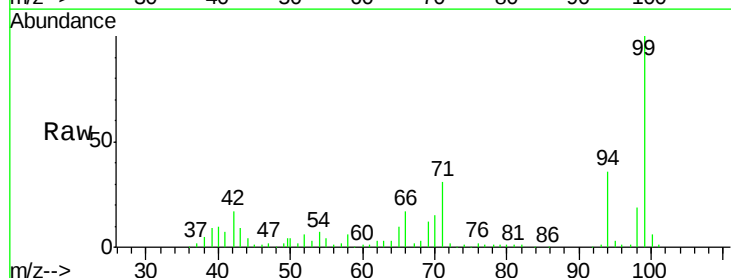
Tgt Ion: 94 Resp: 48933

Ion Ratio Lower Upper

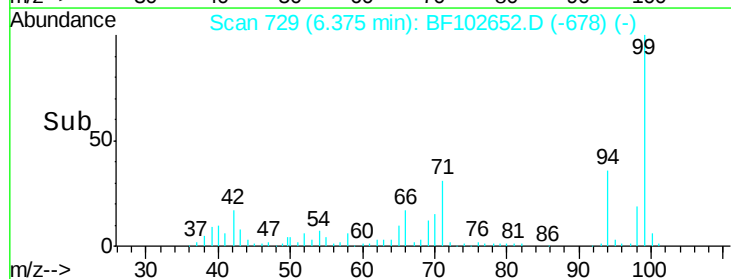
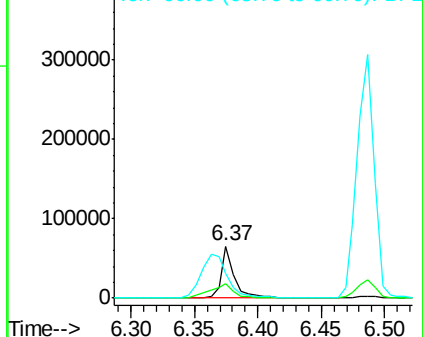
94 100

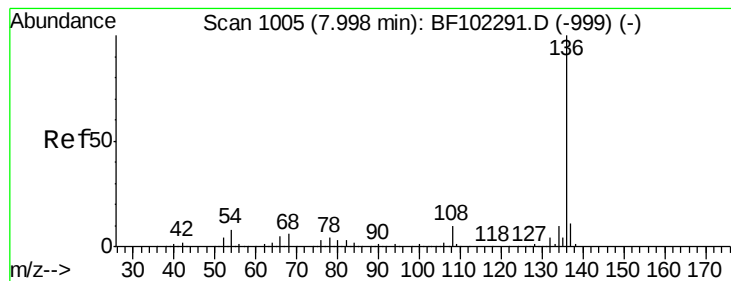
65 29.2 7.9 47.9

66 48.2 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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

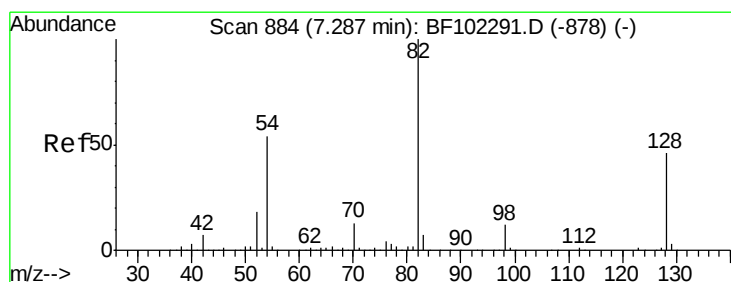
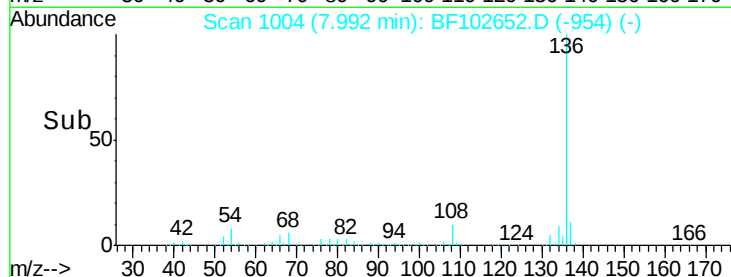
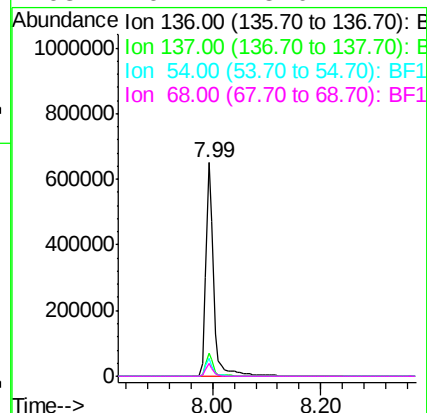
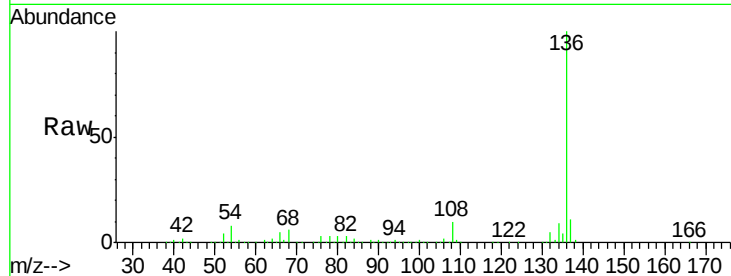
ClientSampleId :

WC-3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	648793		
137	10.9		8.9	13.3
54	8.5		6.6	9.8
68	6.1		5.0	7.4

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#23

Nitrobenzene-d5

Concen: 77.297 ng

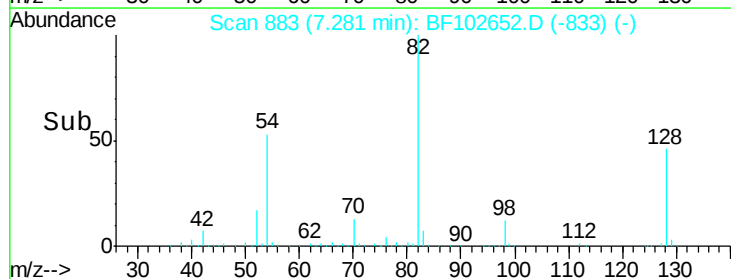
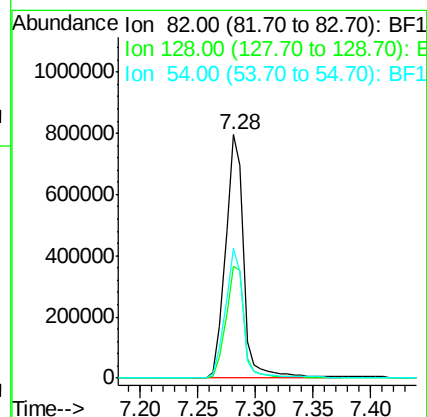
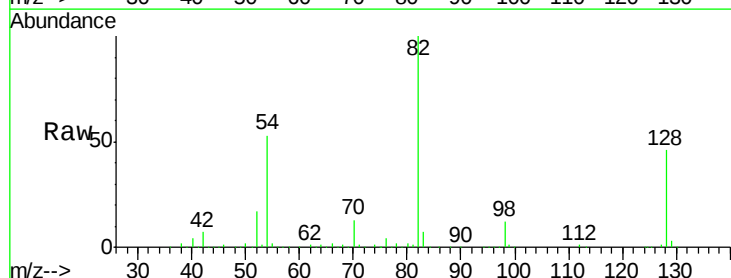
RT: 7.28 min Scan# 883

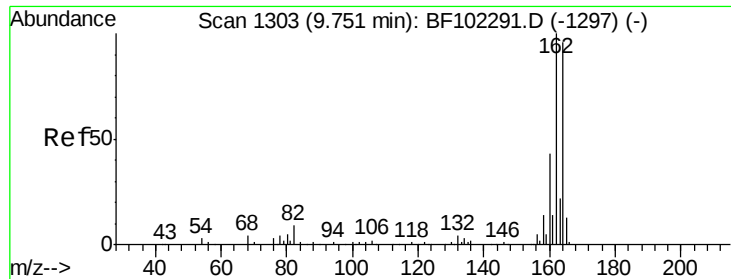
Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	872668		
128	45.9		36.1	54.1
54	53.2		41.4	62.2





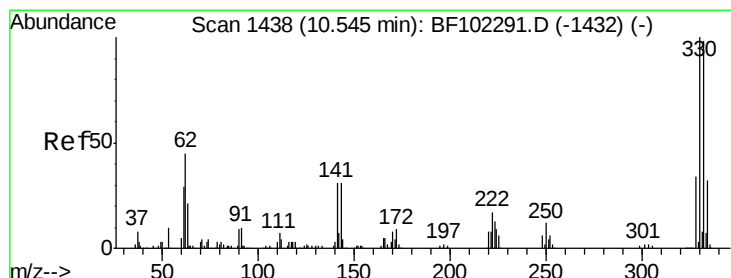
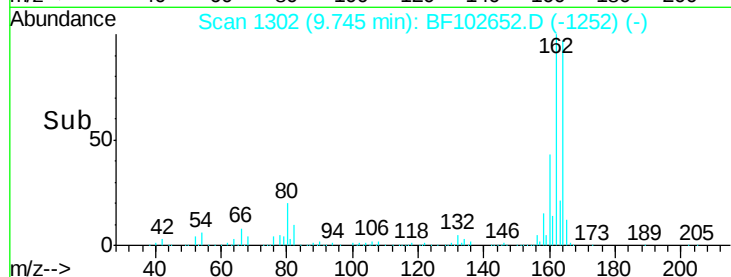
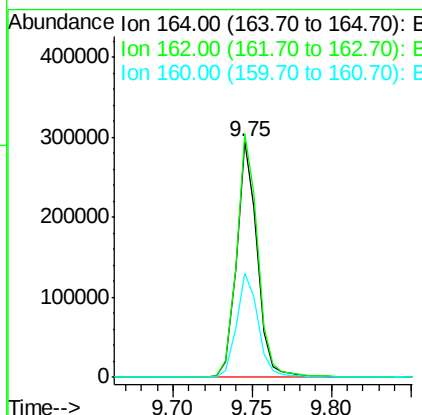
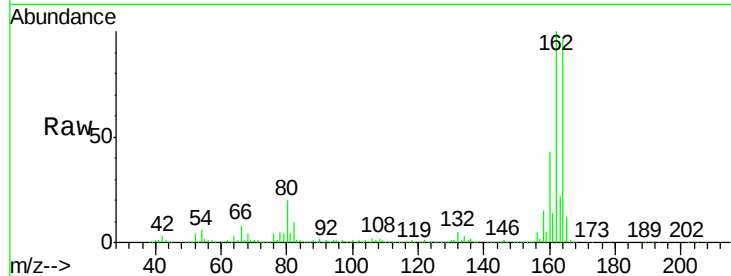
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	265818		
162	103.4	86.1	129.1	
160	44.1	38.3	57.5	

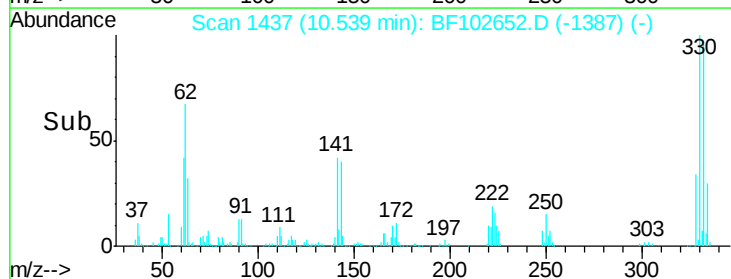
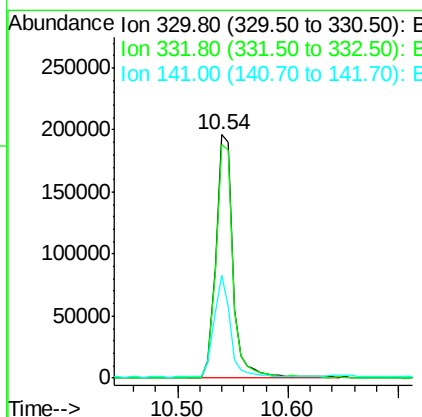
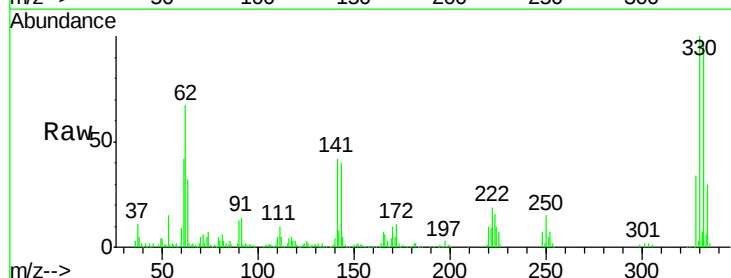
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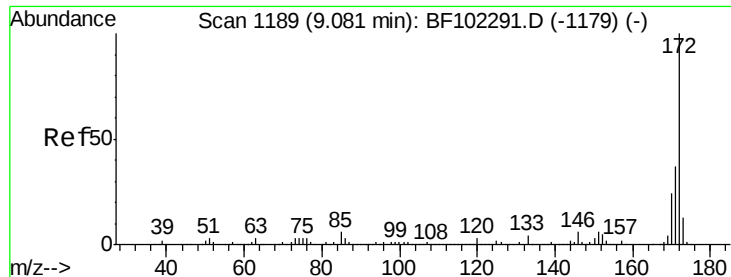
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#41
 2,4,6-Tribromophenol
 Concen: 80.464 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	211931		
332	96.7	77.0	115.6	
141	39.4	29.9	44.9	





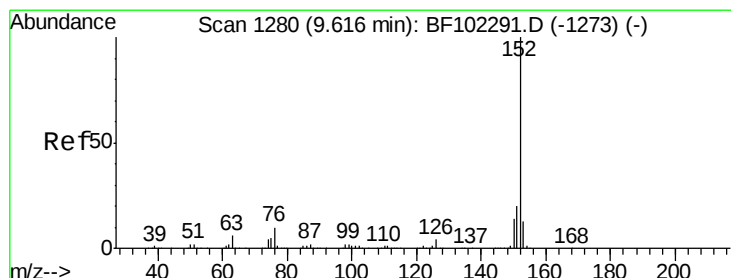
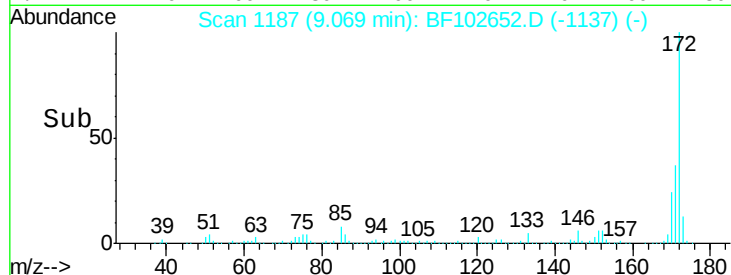
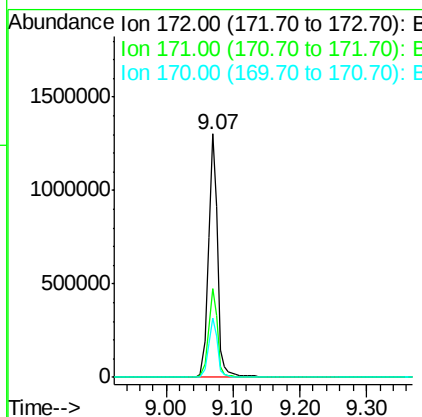
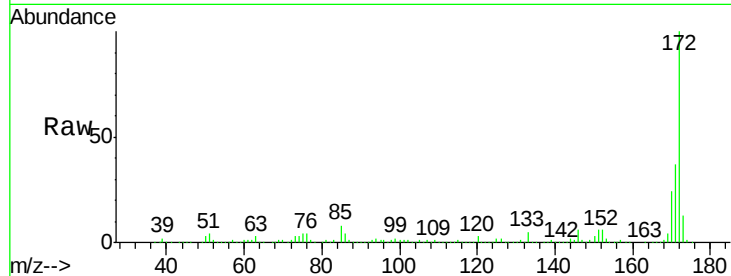
#44
2-Fluorobiphenyl
Concen: 69.314 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Instrument :
BNA_F
ClientSampleId :
WC-3-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	19.6	29.4

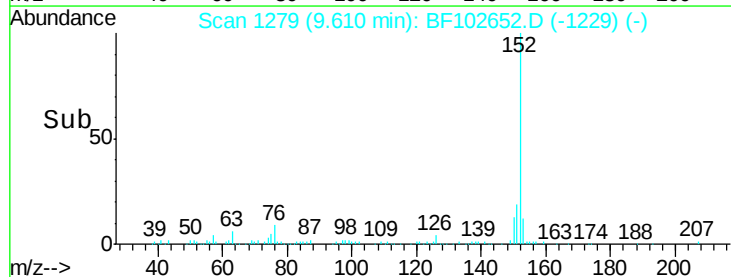
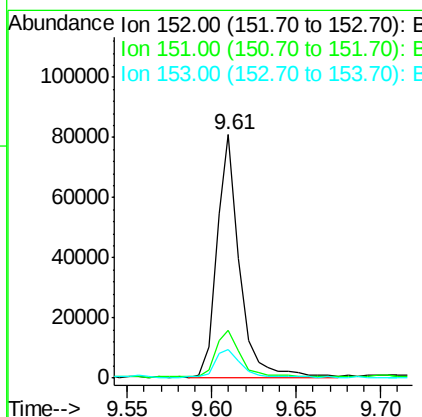
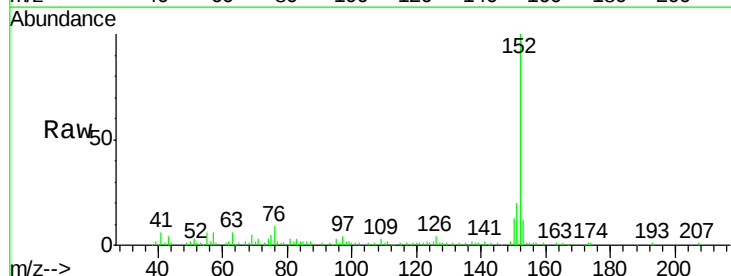
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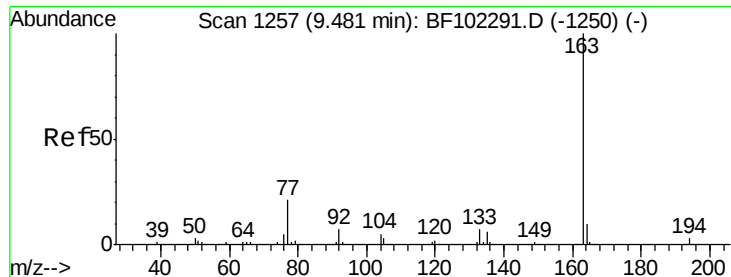
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#48
Acenaphthylene
Concen: 2.678 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	12.0	10.7	16.1





#49

Dimethylphthalate

Concen: 6.011 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

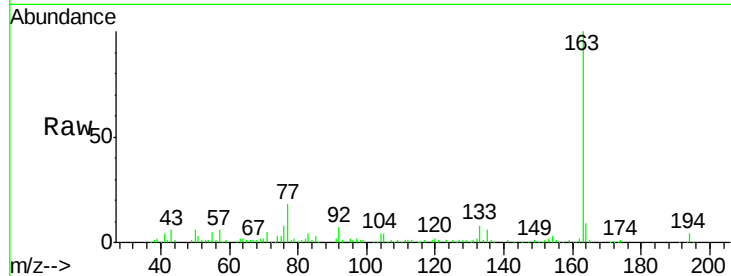
ClientSampleId :

WC-3-COMP

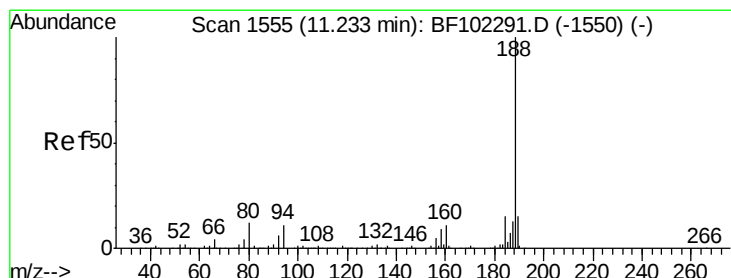
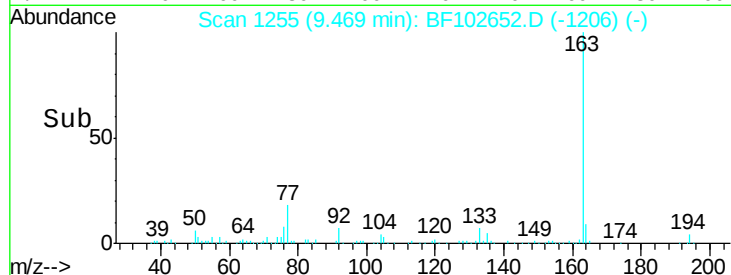
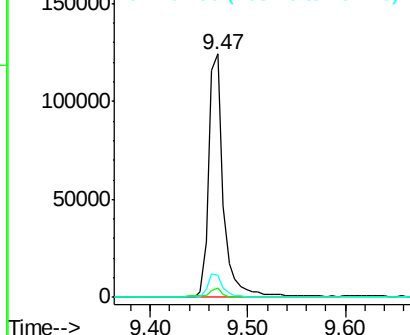
Tot Ion:	163	Resp:	132080
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.0	8.2	12.2

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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



#63

Phenanthrene-d10

Concen: 20.000 ng

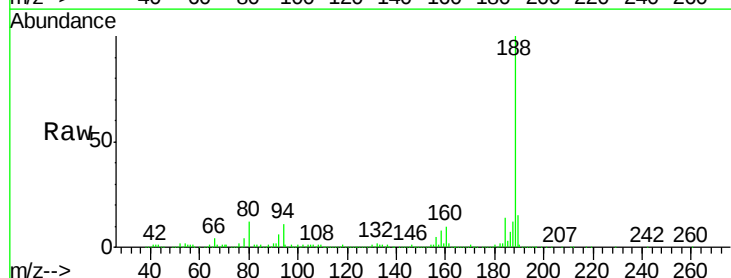
RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

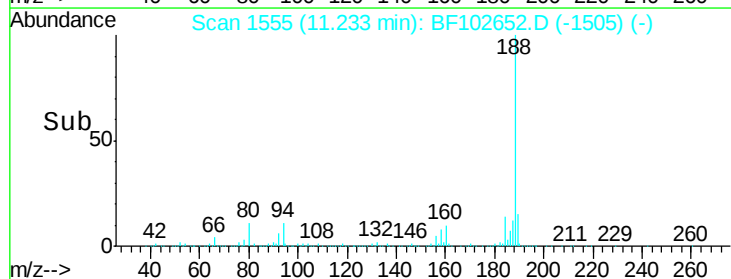
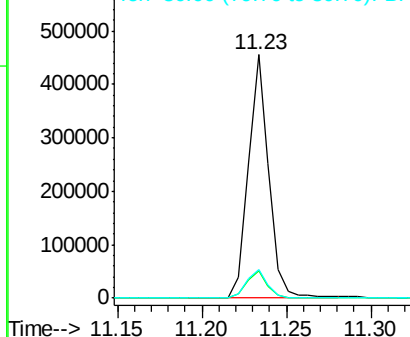
Lab File: BF102652.D

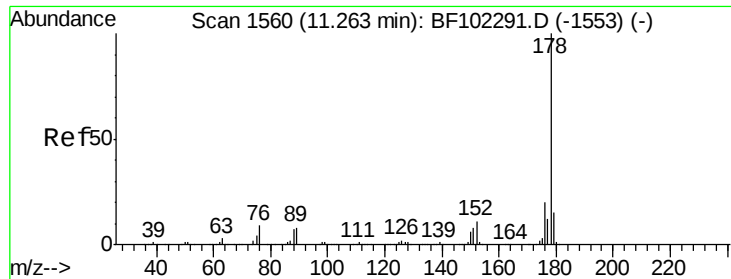
Acq: 30 Jan 2018 21:03

Tgt Ion:	188	Resp:	385444
Ion Ratio	Lower	Upper	
188	100		
94	11.0	8.5	12.7
80	11.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 7.350 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

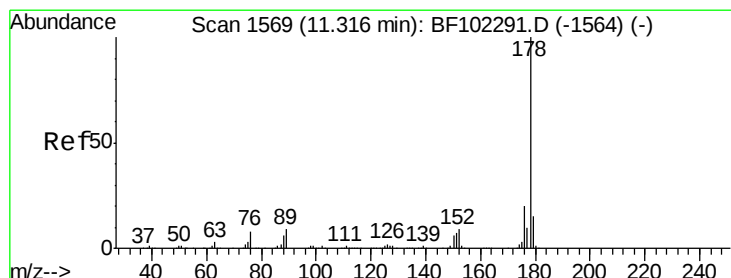
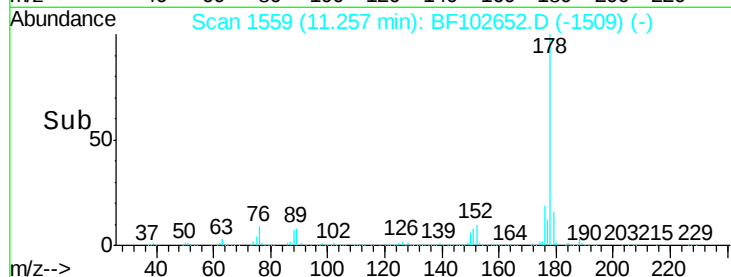
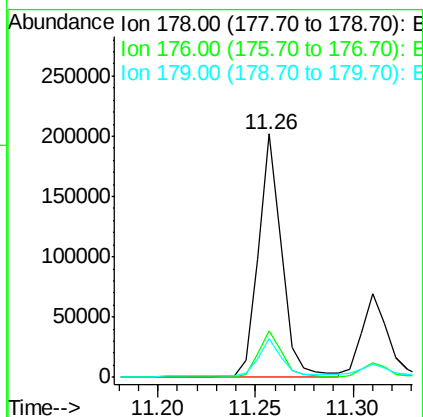
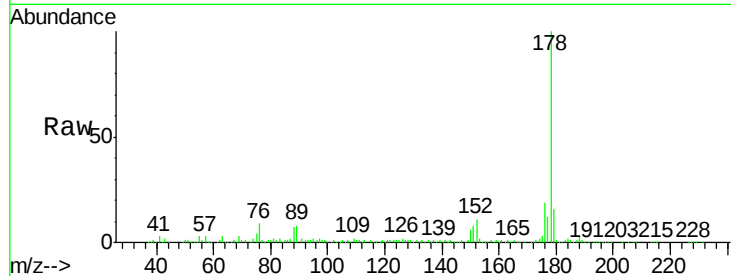
ClientSampleId :

WC-3-COMP

Tot Ion:178	Resp:	165091
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	16.1	13.0 19.6

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#71

Anthracene

Concen: 3.110 ng

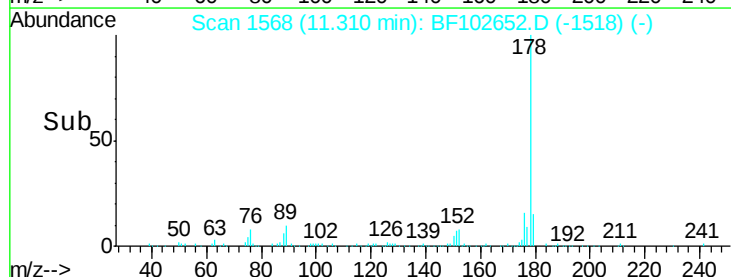
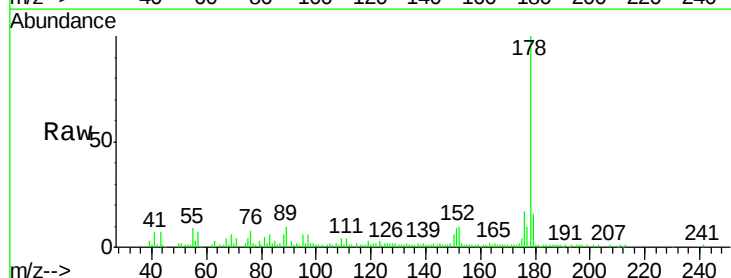
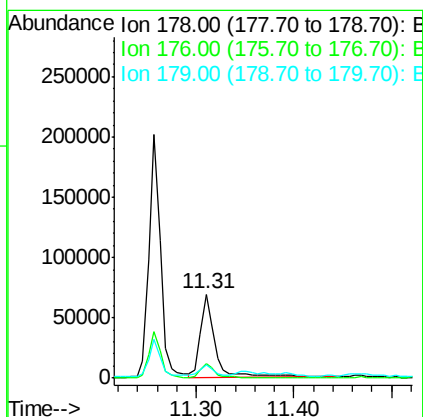
RT: 11.31 min Scan# 1568

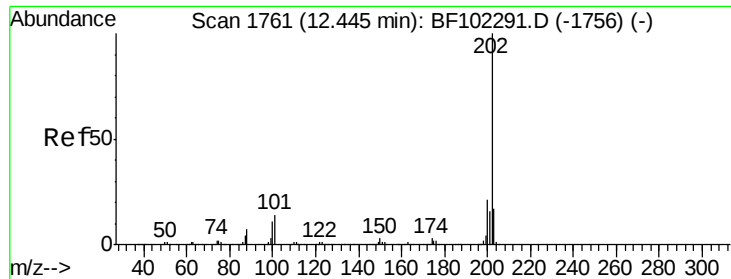
Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Tgt Ion:178	Resp:	71308
Ion Ratio	Lower	Upper
178	100	
176	17.0	15.4 23.2
179	16.4	12.6 19.0





#74

Fluoranthene

Concen: 11.376 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

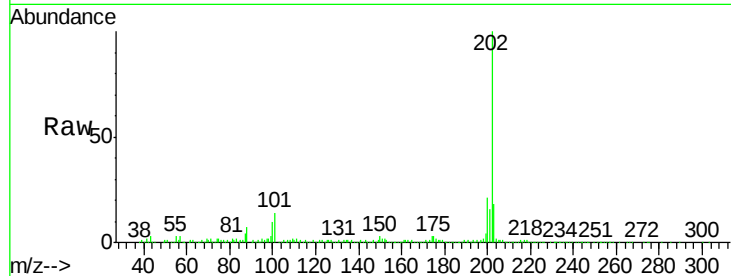
ClientSampleId :

WC-3-COMP

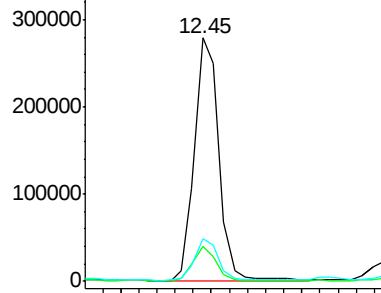
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.4	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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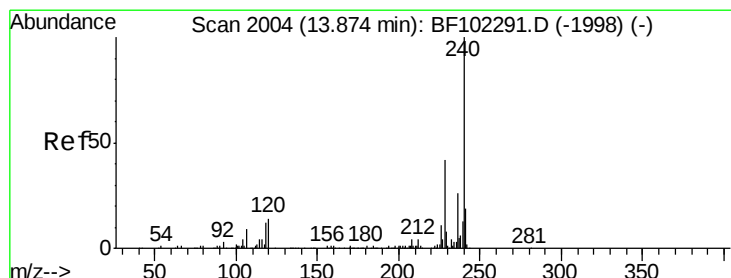
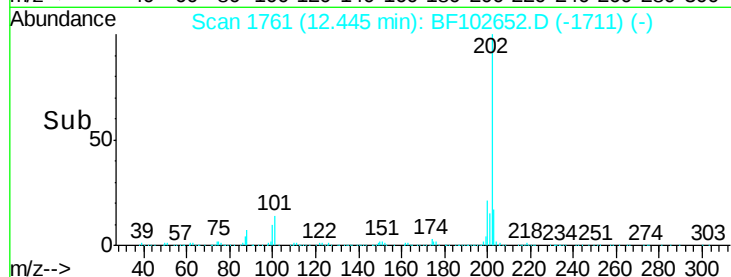
Sohil
1/31/2018 2:00:25 PM



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



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

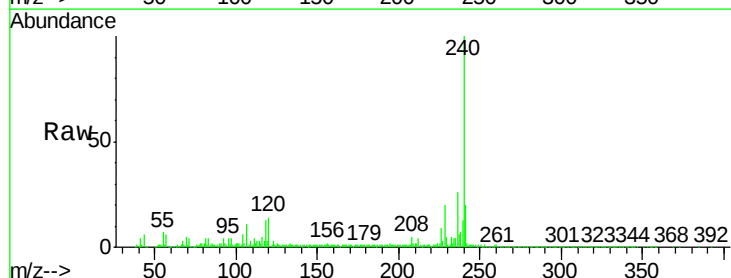
RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

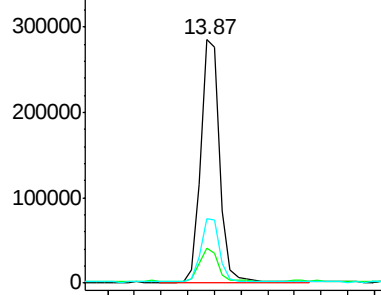
Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

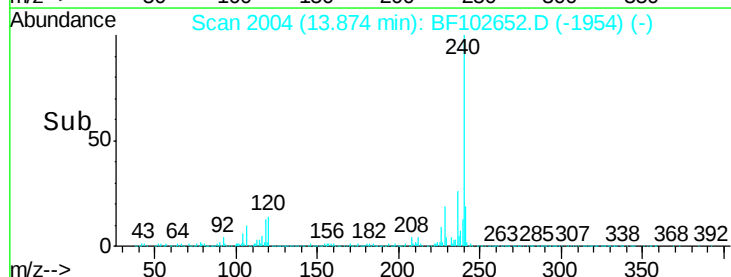
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	26.5	20.7	31.1

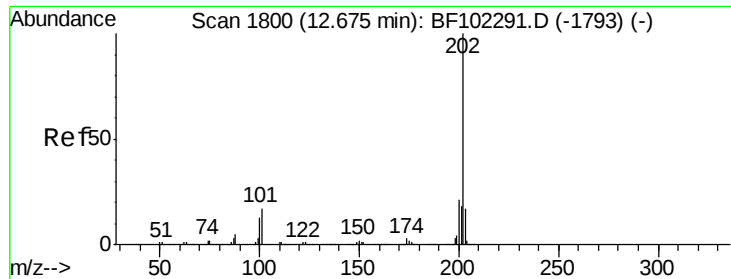


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 12.176 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

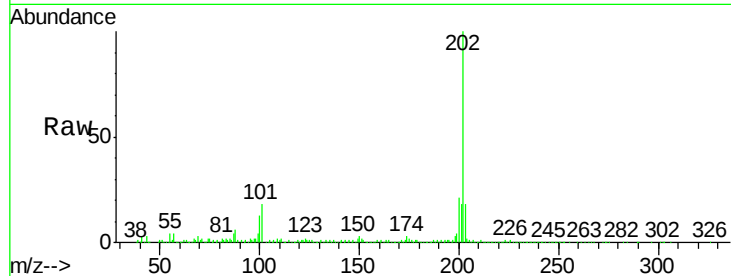
ClientSampleId :

WC-3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	268708		
200	21.3		17.4	26.2
203	18.2		14.3	21.5

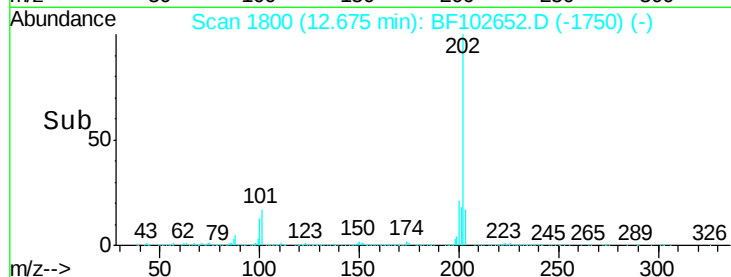
Manual Integrations
APPROVED

Sohil
1/31/2018 2:00:25 PM

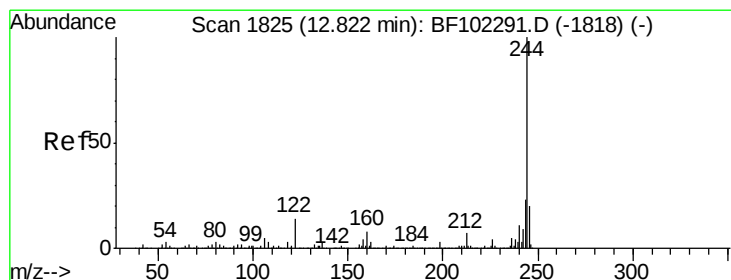


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.67



Time-->



#78

Terphenyl-d14

Concen: 65.942 ng

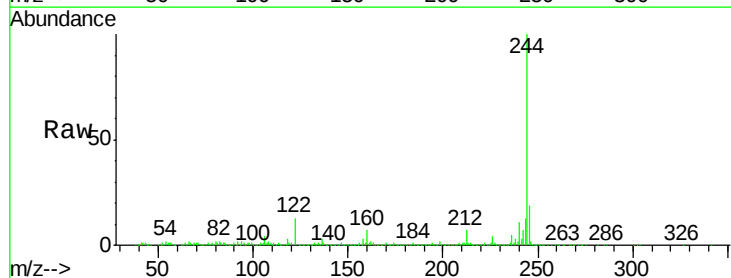
RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102652.D

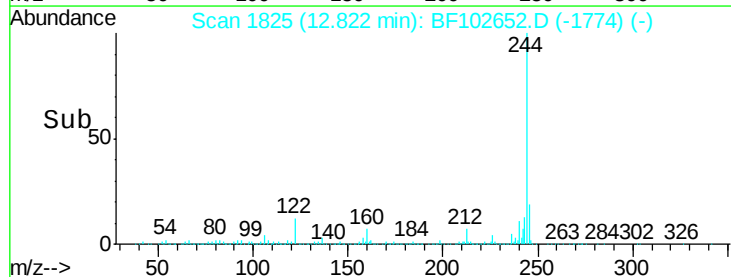
Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	834905		
212	6.6		5.4	8.0
122	12.5		11.0	16.4

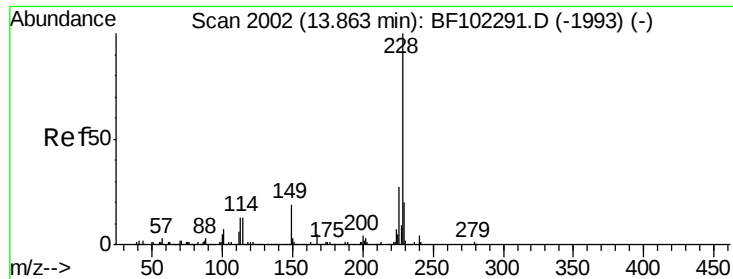


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.82



Time-->



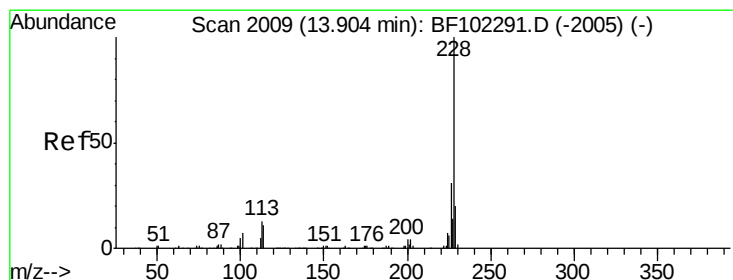
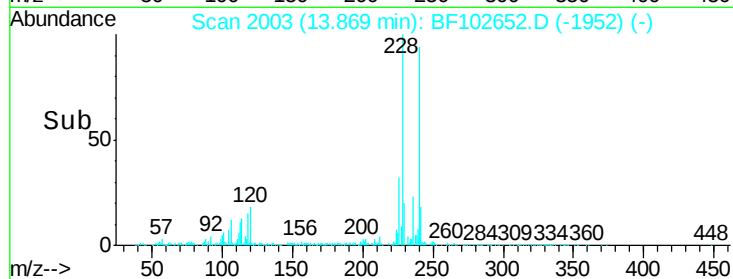
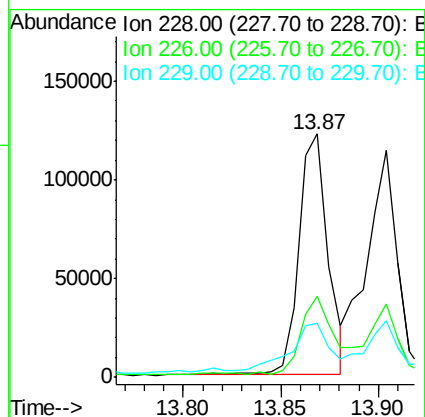
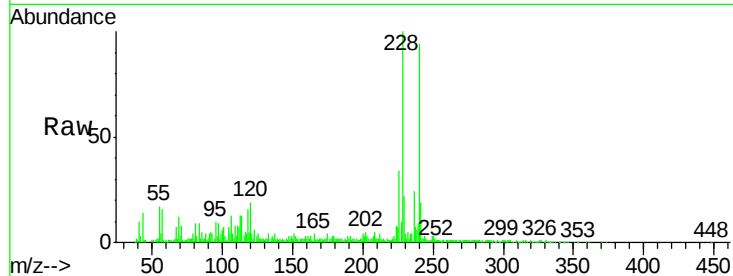
#80
Benzo(a)anthracene
Concen: 7.144 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Instrument :
BNA_F
ClientSampleId :
WC-3-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	22.5	15.8	23.6

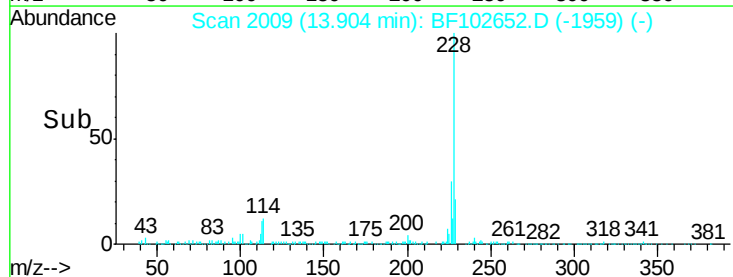
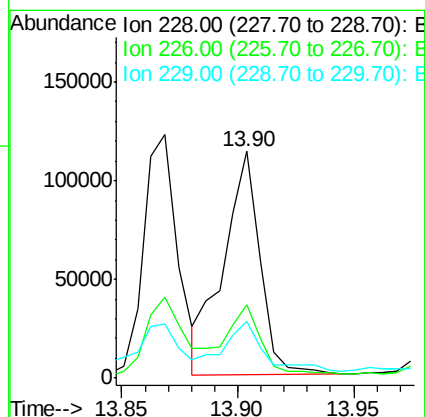
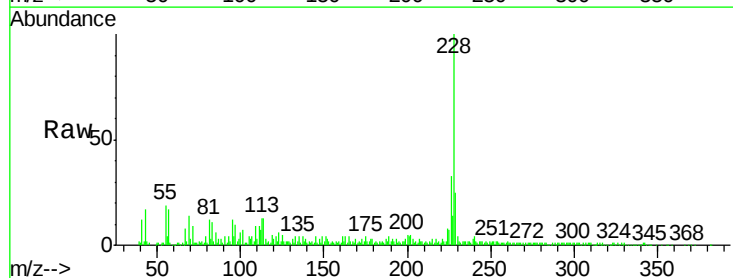
Manual Integrations
APPROVED

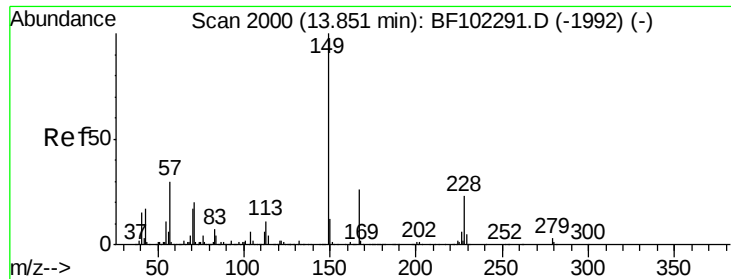
Sohil
1/31/2018 2:00:25 PM



#82
Chrysene
Concen: 6.947 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	24.9	16.2	24.4#





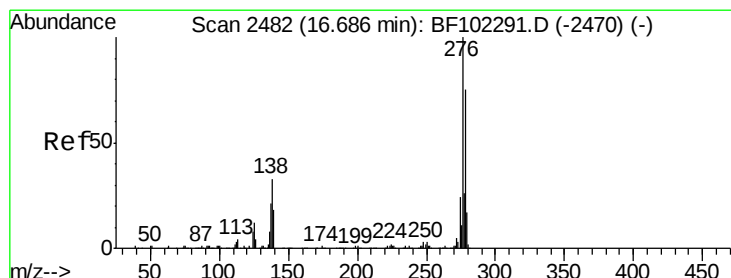
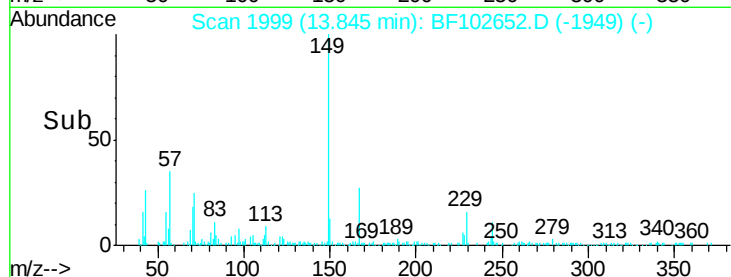
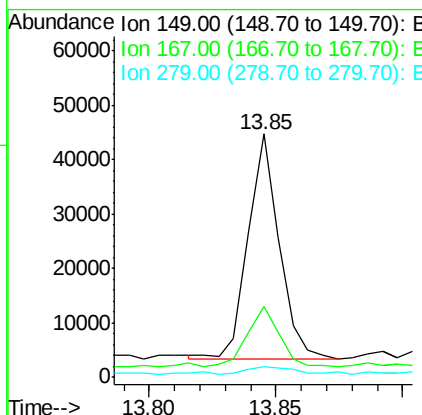
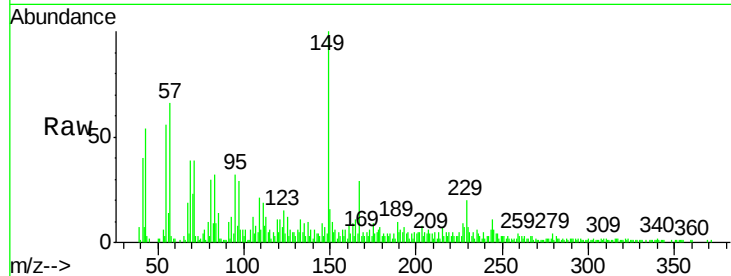
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.390 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.3	31.9
279	4.4	3.0	4.4

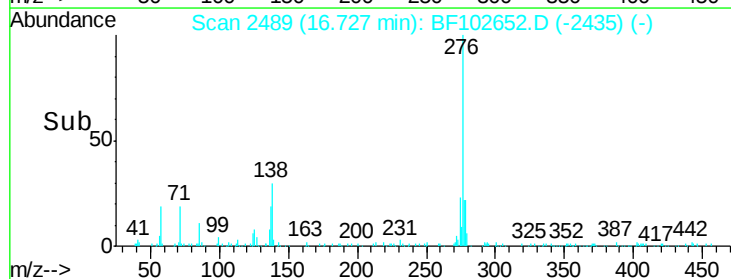
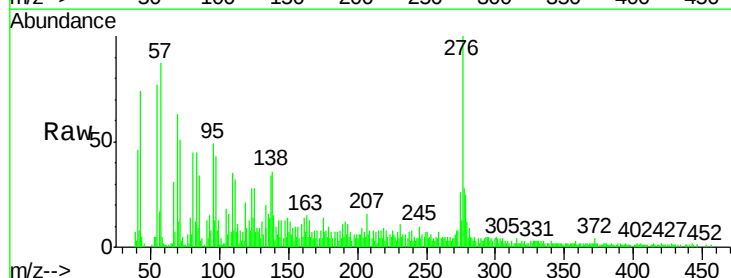
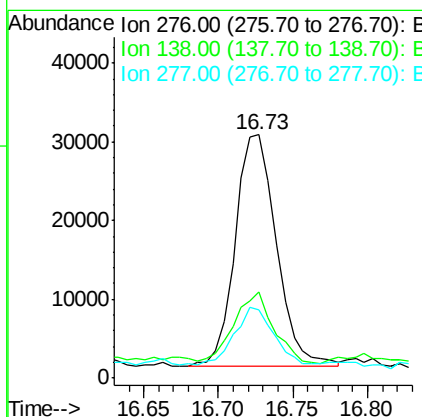
Manual Integrations
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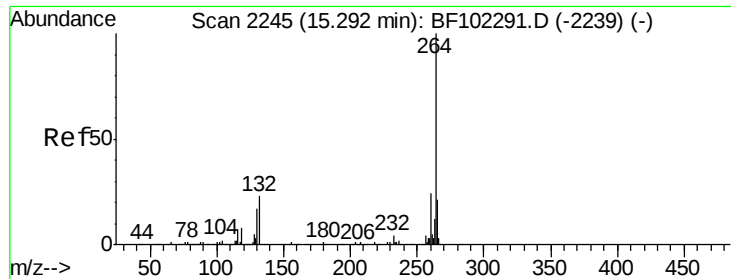
Sohil
 1/31/2018 2:00:25 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.819 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	25.0	37.6
277	23.8	20.1	30.1





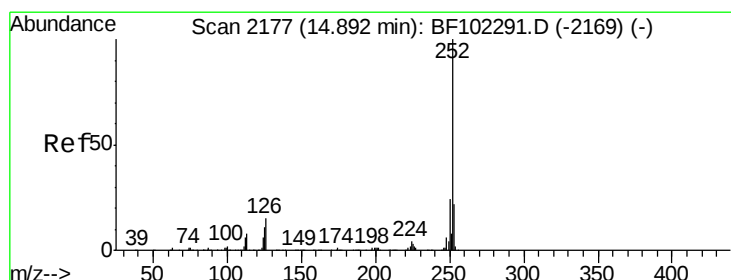
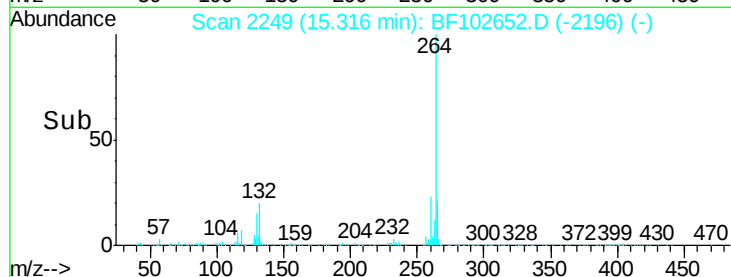
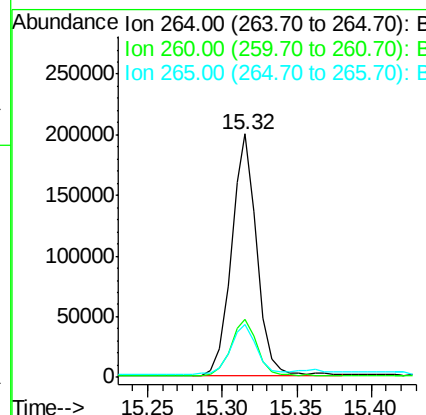
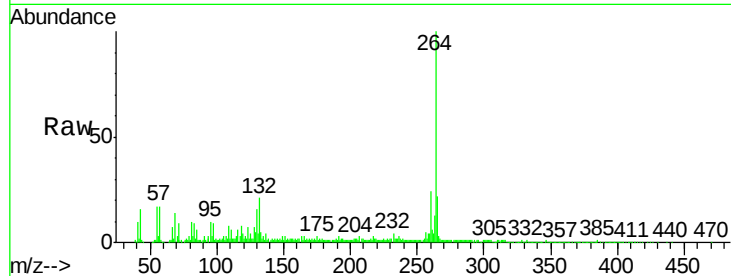
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Instrument :
BNA_F
ClientSampleId :
WC-3-COMP

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	19.2	28.8	
265	22.0	17.5	26.3	

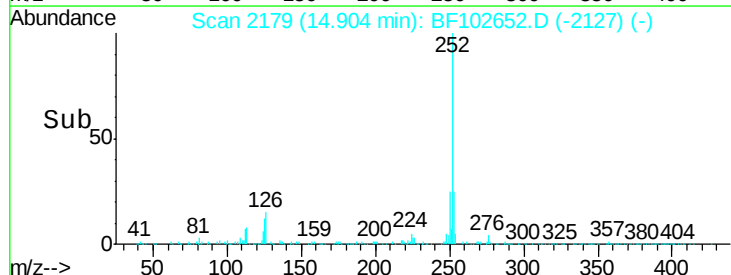
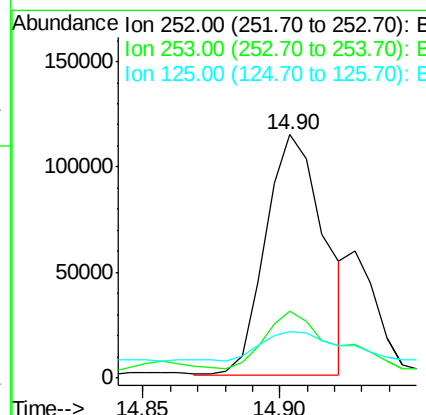
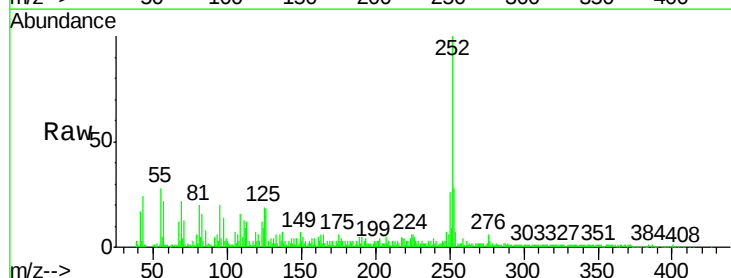
Manual Integrations
APPROVED

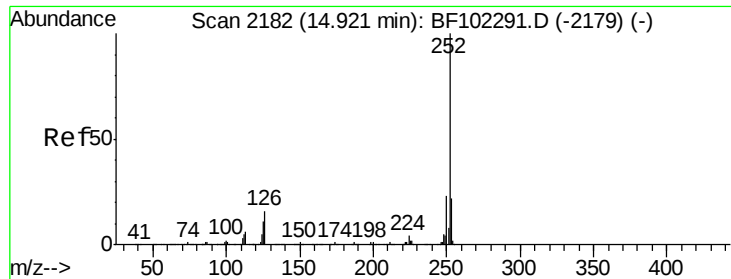
Sohil
1/31/2018 2:00:25 PM



#87
Benzo(b)fluoranthene
Concen: 10.980 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.6	17.0	25.6#	
125	19.3	9.0	13.6#	





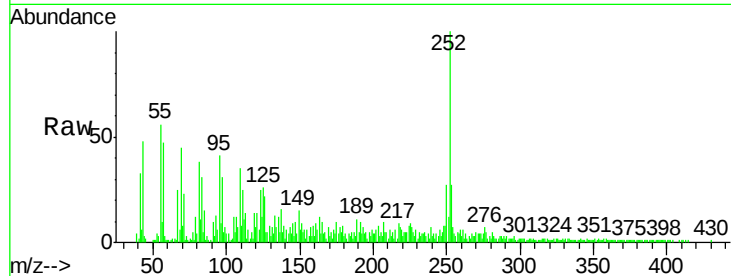
#88
Benzo(k)fluoranthene
Concen: 3.228 ng/mL
RT: 14.93 min Scan# 2183
Delta R.T. 0.00 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Instrument :
BNA_F
ClientSampleId :
WC-3-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.9	26.9
125	25.6	10.2	15.2

Manual Integrations
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Sohil
1/31/2018 2:00:25 PM

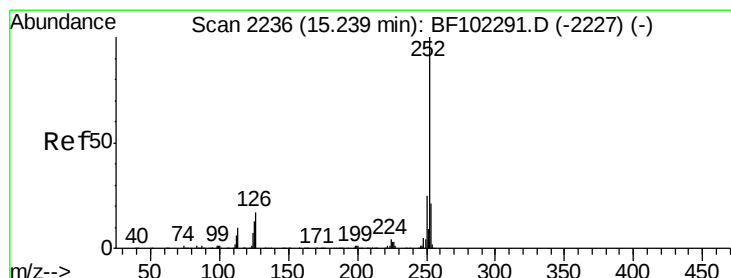
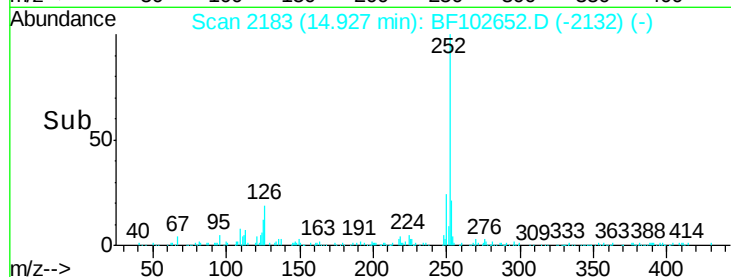
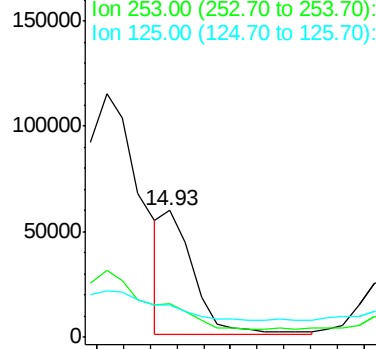


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 9.072 ng/mL
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

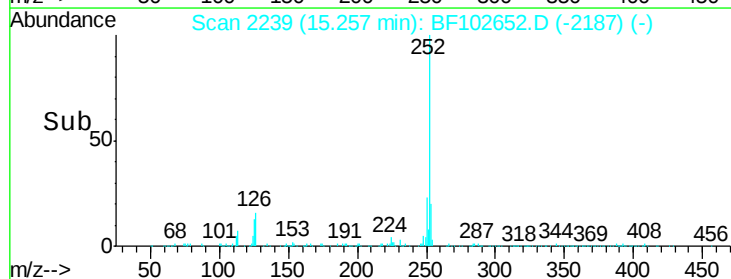
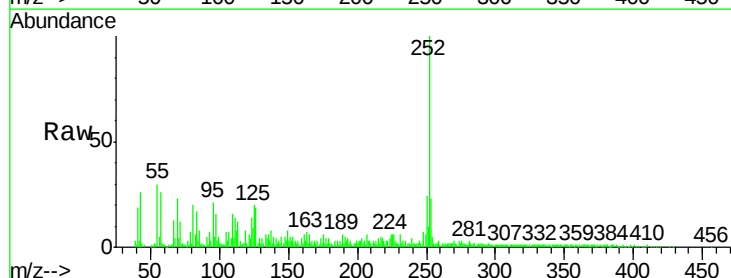
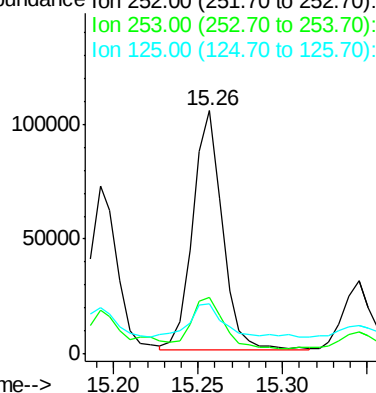
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	20.5	9.8	14.6

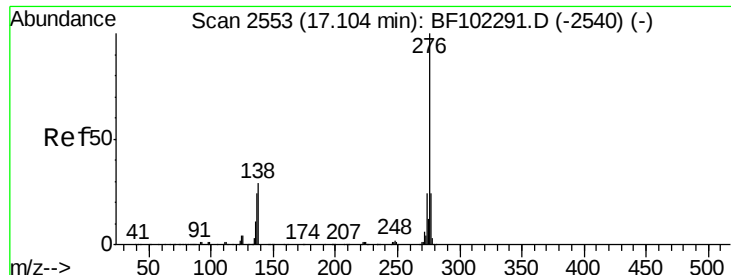
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





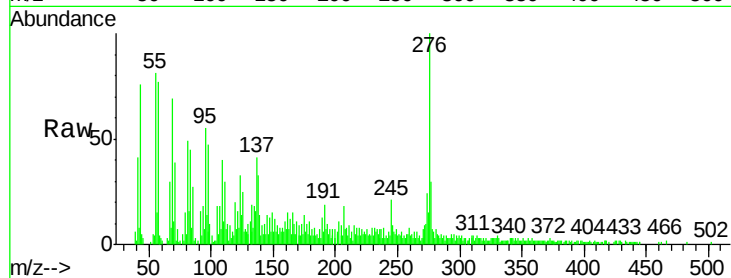
#91
 Benzo(a,h,i)perylene
 Concen: 4.874 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.02 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.7	17.9	26.9#
138	32.8	21.8	32.8#

Manual Integrations
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Sohil
 1/31/2018 2:00:25 PM



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

