

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102740.D
 Acq On : 5 Feb 2018 16:17
 Operator : SJ/JU
 Sample : J1444-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-03

Manual Integrations
 APPROVED

Sohil
 2/6/2018 2:25:32 PM

Quant Time: Feb 06 10:43:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	199782	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	816423	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	358400	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	544714	20.00	ng	0.00
75) Chrysene-d12	14.04	240	346369	20.00	ng	0.00
86) Perylene-d12	15.52	264	331741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1185971	90.15	ng	0.00
7) Phenol-d6	6.50	99	1405976	88.76	ng	0.00
23) Nitrobenzene-d5	7.45	82	847001	71.97	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	246440	85.43	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1058363	49.00	ng	0.00
78) Terphenyl-d14	12.99	244	612111	41.84	ng	-0.01
Target Compounds						
10) Phenol	6.52	94	100977	5.949	ng	99
49) Dimethylphthalate	9.63	163	117170	4.193	ng	98
56) 2,4-Dinitrotoluene	10.12	165	1622	3.288	ng	# 70
71) Anthracene	11.48	178	86007	2.787	ng	99
74) Fluoranthene	12.62	202	520351	17.048	ng	98
77) Pyrene	12.85	202	644234	23.719	ng	99
80) Benzo(a)anthracene	14.03	228	174341m	8.003	ng	
82) Chrysene	14.07	228	144868m	6.597	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	47103	2.586	ng	94
87) Benzo(b)fluoranthene	15.09	252	135710m	6.310	ng	
89) Benzo(a)pyrene	15.45	252	132897	6.865	ng	# 95
91) Benzo(a,h,i)perylene	17.45	276	53595	3.485	ng	96

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

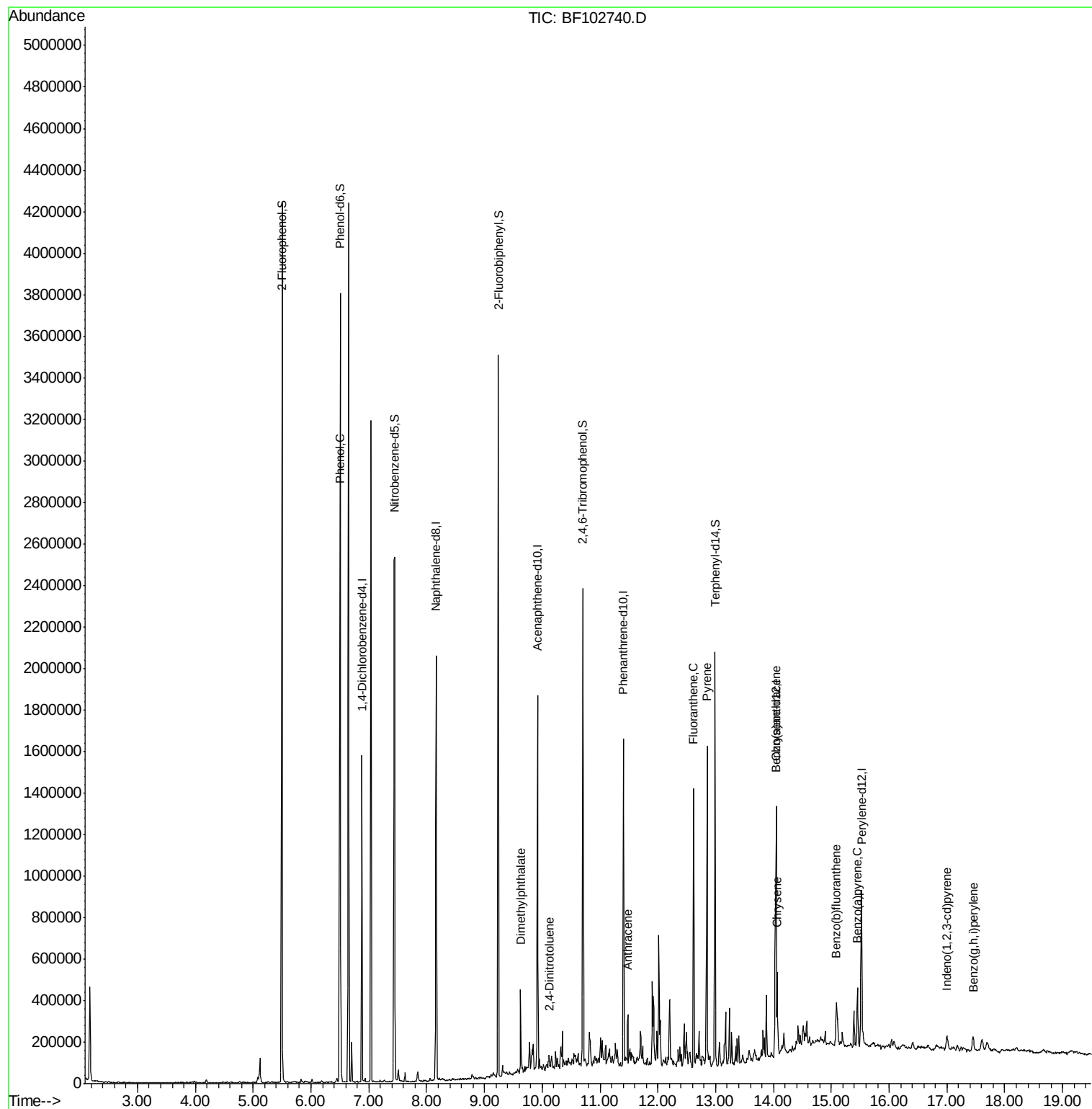
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102740.D
Acq On : 5 Feb 2018 16:17
Operator : SJ/JU
Sample : J1444-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

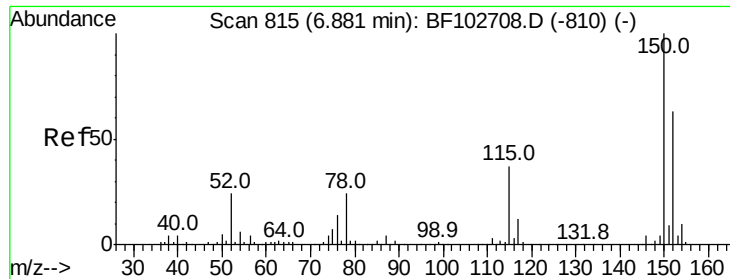
Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

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#1

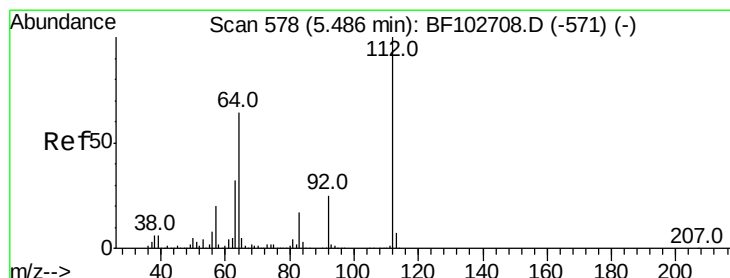
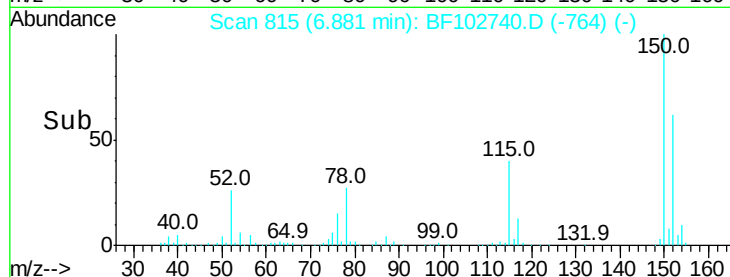
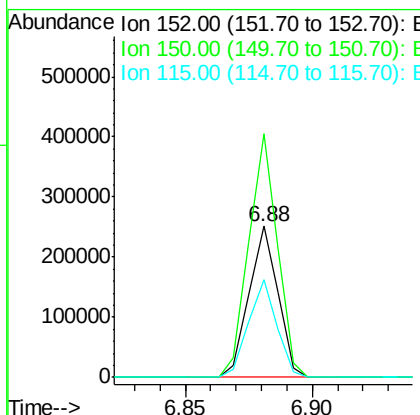
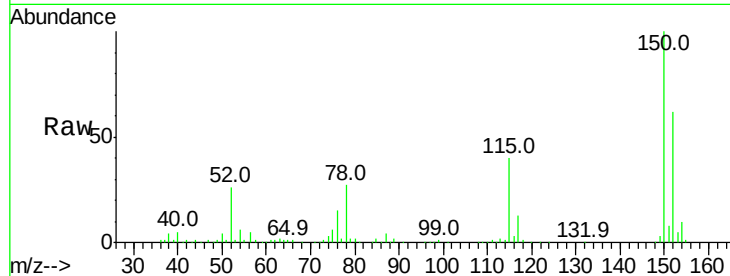
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	64.4	50.1	75.1

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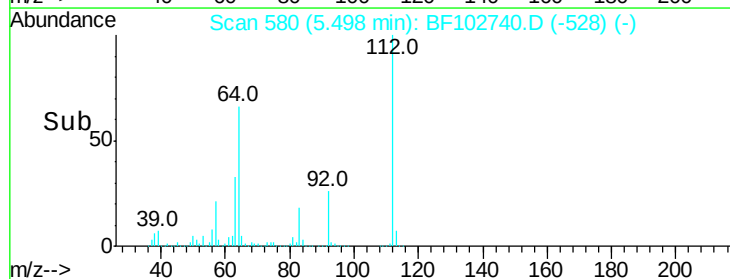
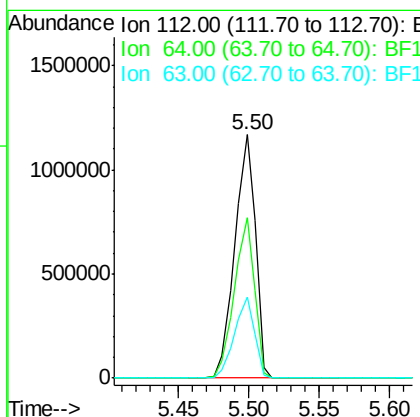
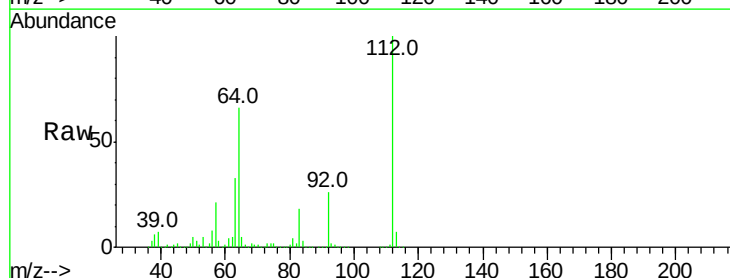
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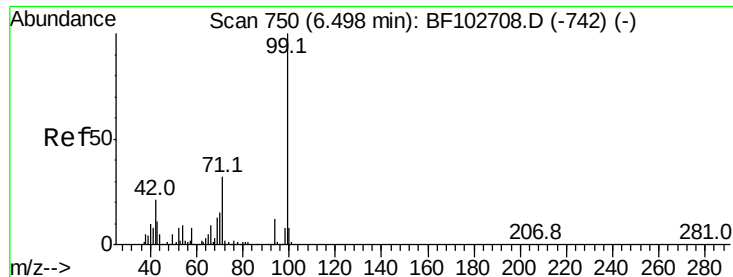


#5

2-Fluorophenol
Concen: 90.153 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	33.4	23.7	35.5





#7

Phenol-d6

Concen: 88.763 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Instrument :

BNA_F

ClientSampleId :

WC-PH3-MGP-03

Tot Ion: 99 Resp: 1405976

Ion Ratio Lower Upper

99 100

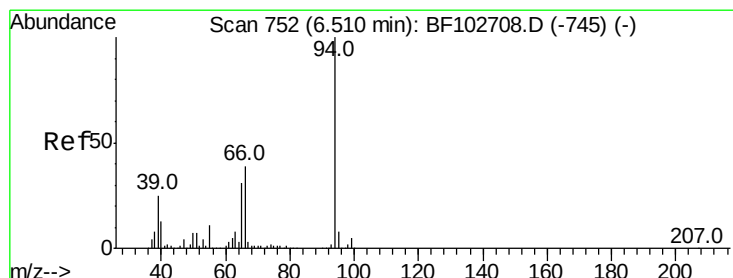
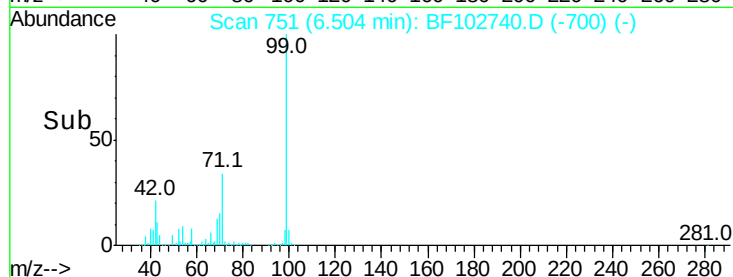
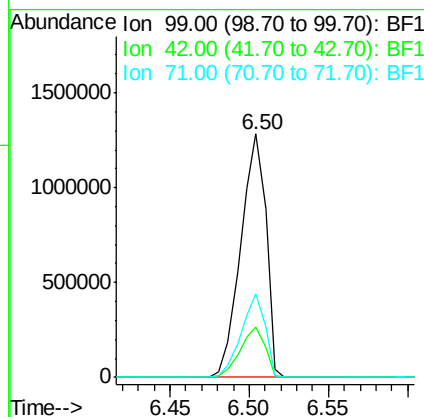
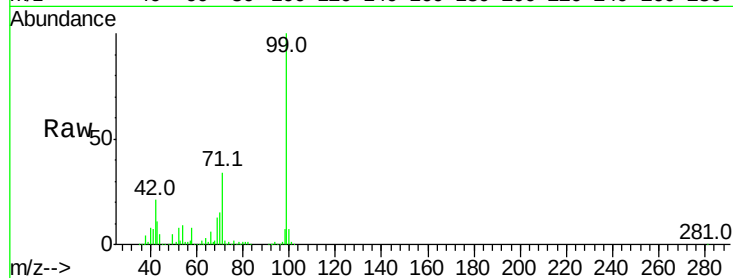
42 20.8 14.5 21.7

71 34.1 25.4 38.0

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#10

Phenol

Concen: 5.949 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

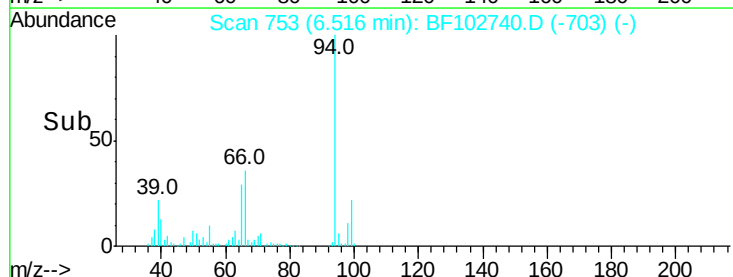
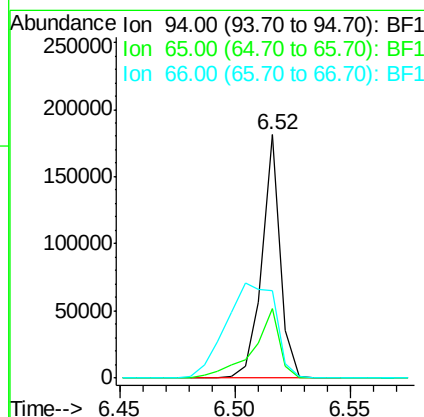
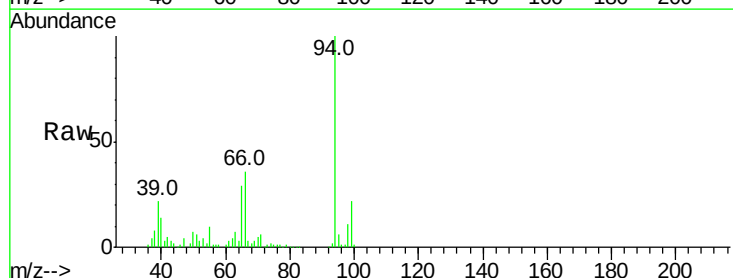
Tgt Ion: 94 Resp: 100977

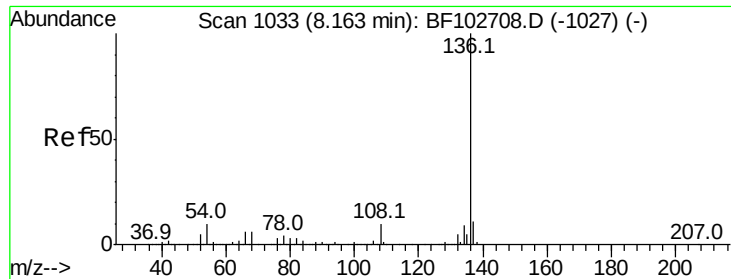
Ion Ratio Lower Upper

94 100

65 28.7 7.9 47.9

66 36.0 16.2 56.2





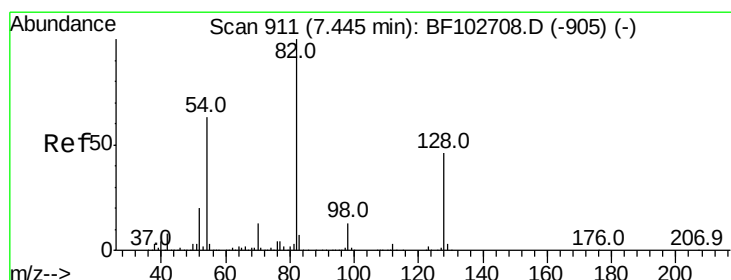
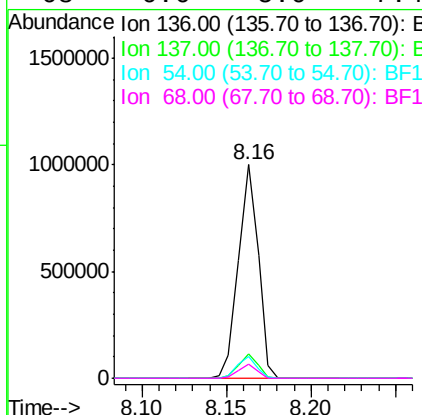
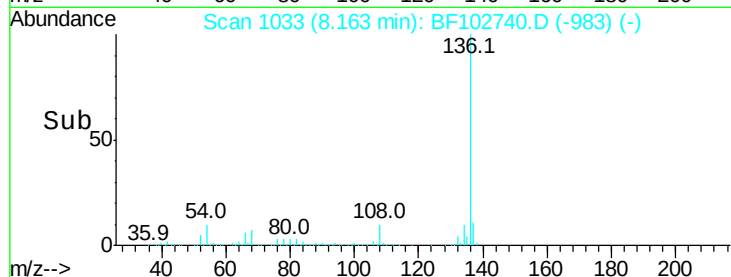
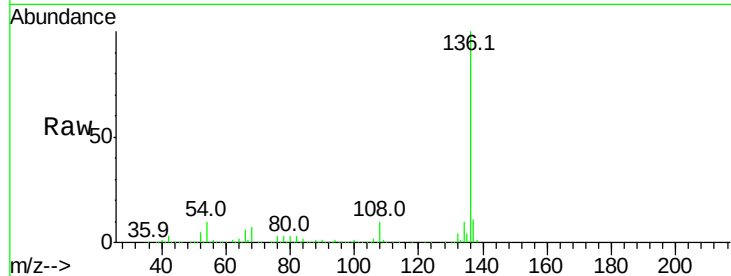
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.1	6.6	9.8
68	6.6	5.0	7.4

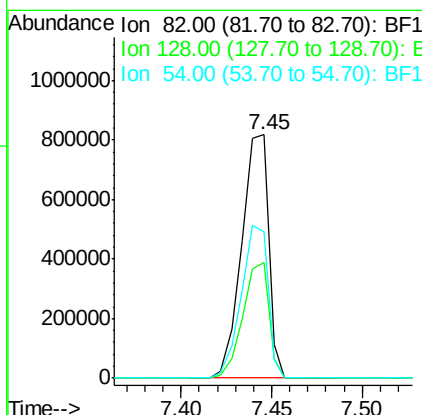
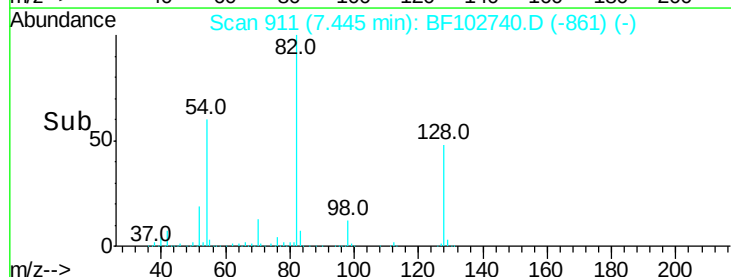
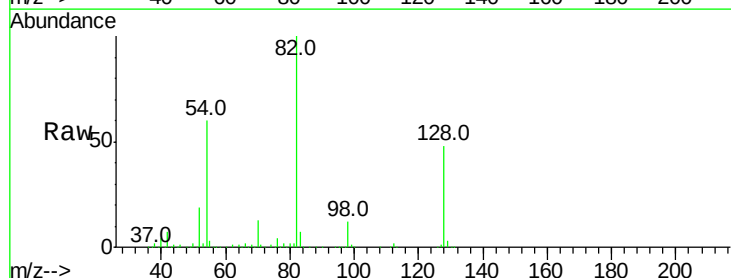
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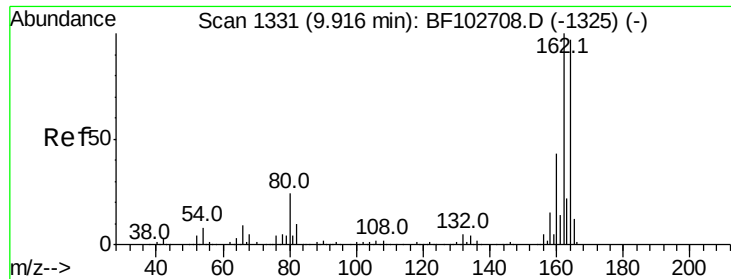
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#23
Nitrobenzene-d5
Concen: 71.969 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.7	36.1	54.1
54	60.3	41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Instrument :

BNA_F

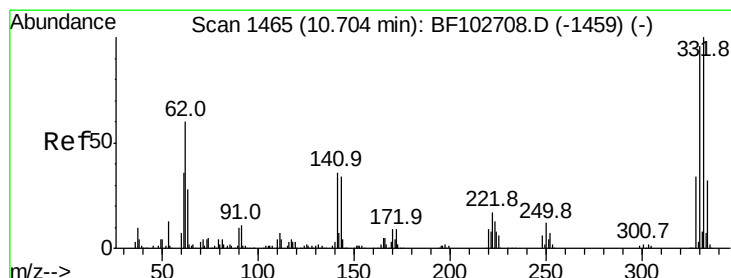
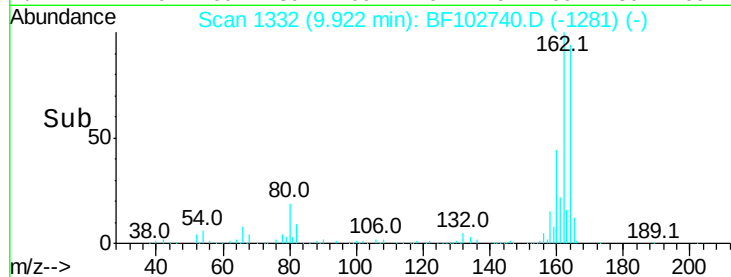
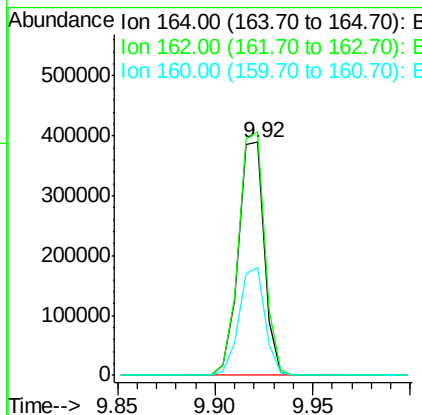
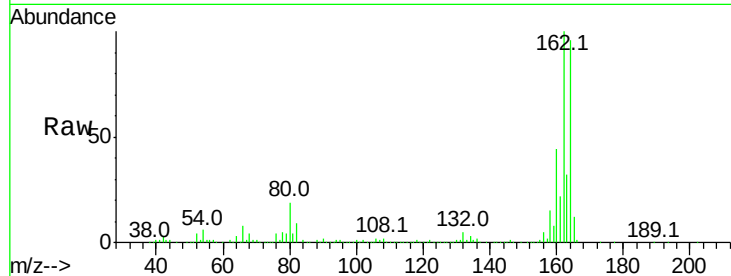
ClientSampleId :

WC-PH3-MGP-03

Tot Ion:	164	Resp:	358400
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	46.3	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 85.430 ng

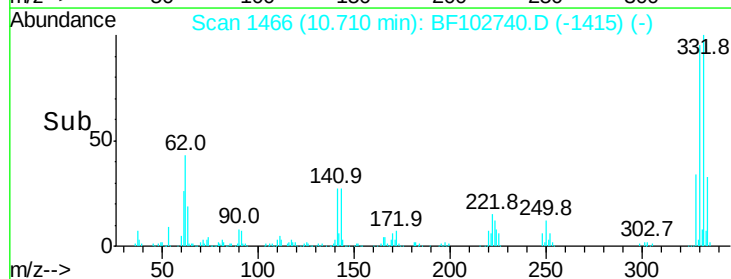
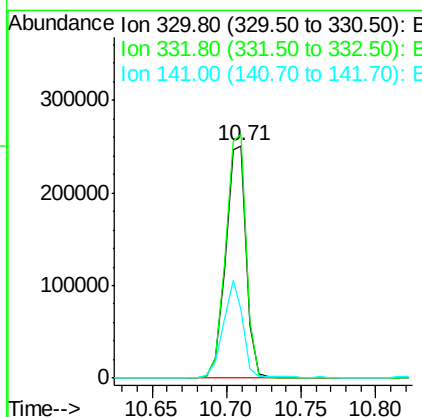
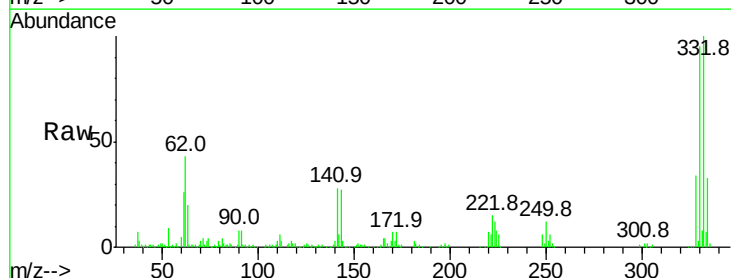
RT: 10.71 min Scan# 1466

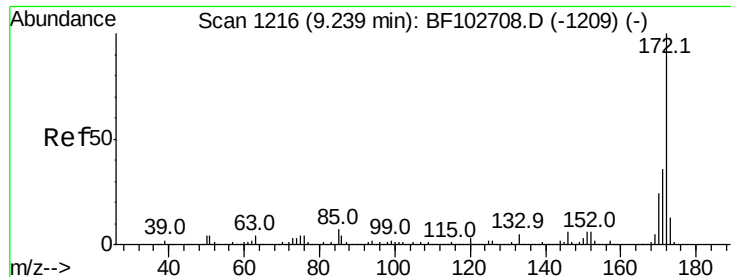
Delta R.T. 0.00 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Tgt Ion:	330	Resp:	246440
Ion Ratio	Lower	Upper	
330	100		
332	104.8	77.0	115.6
141	38.6	29.9	44.9





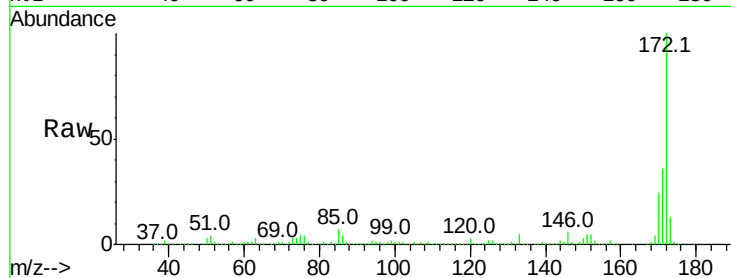
#44
2-Fluorobiphenyl
Concen: 49.001 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

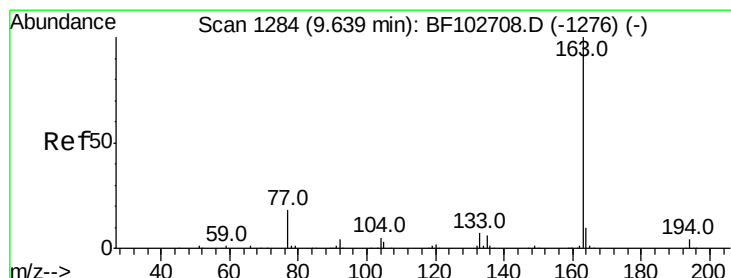
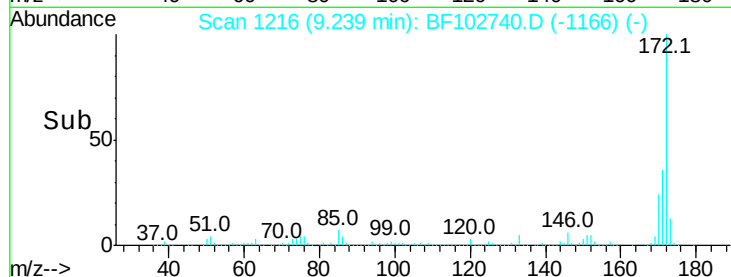
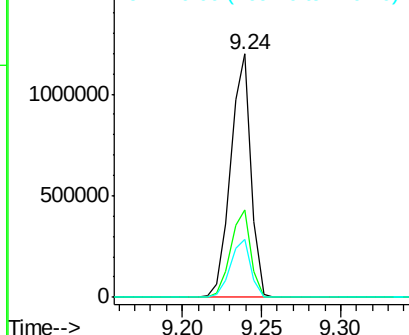
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.9	19.6	29.4

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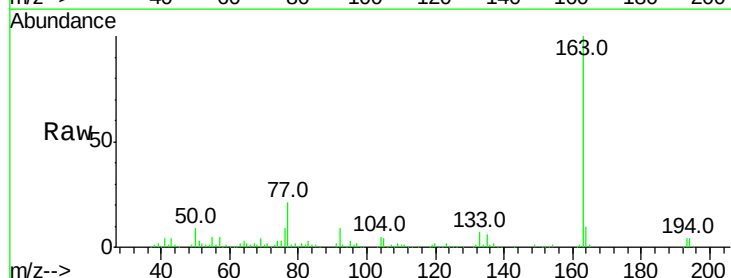


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

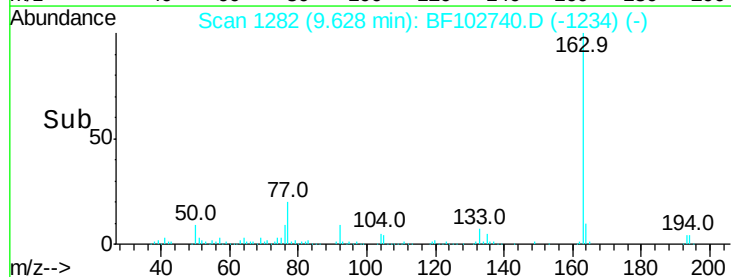
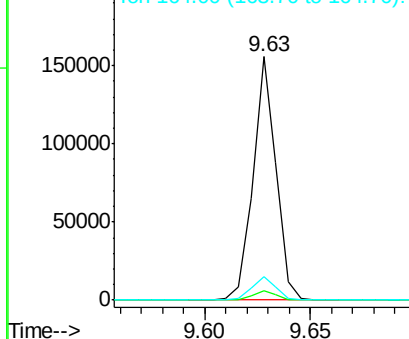


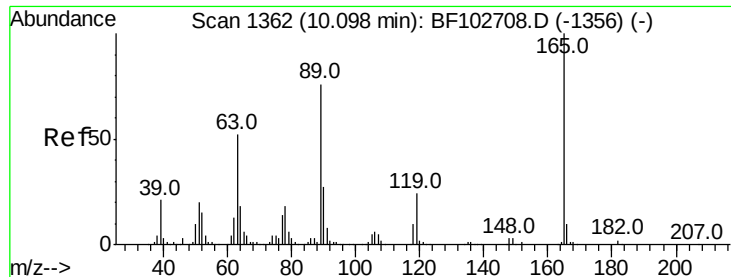
#49
Dimethylphthalate
Concen: 4.193 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.6	8.2	12.2



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





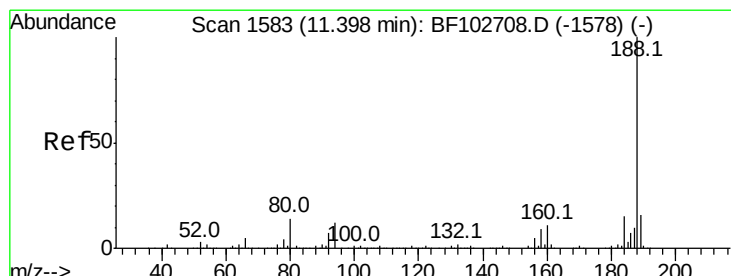
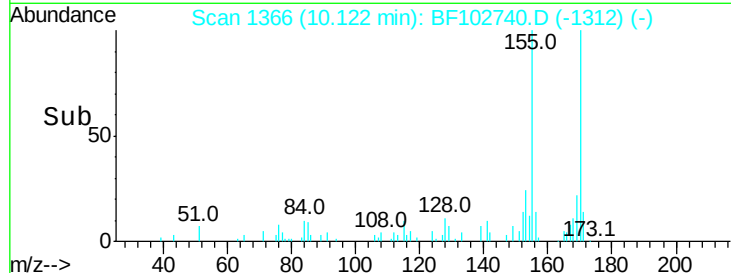
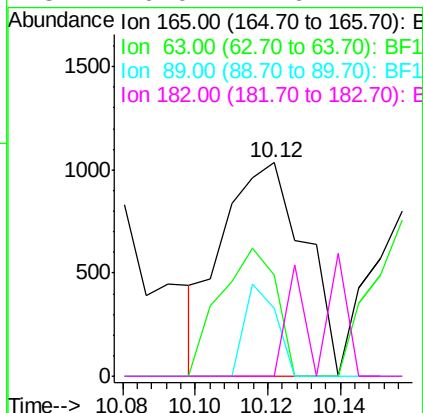
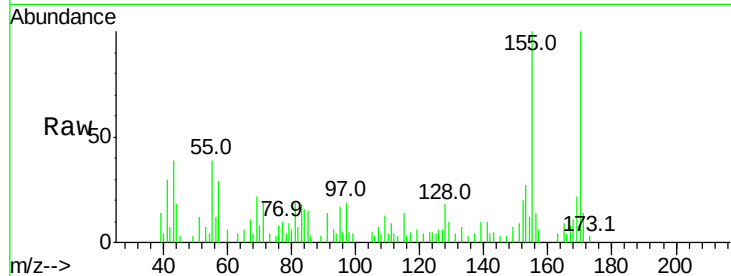
#56
 2,4-Dinitrotoluene
 Concen: 3.288 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: BF102740.D
 Acq: 5 Feb 2018 16:17

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-03

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.3	36.4	54.6
89	31.7	57.8	86.6#
182	0.0	1.6	2.4#

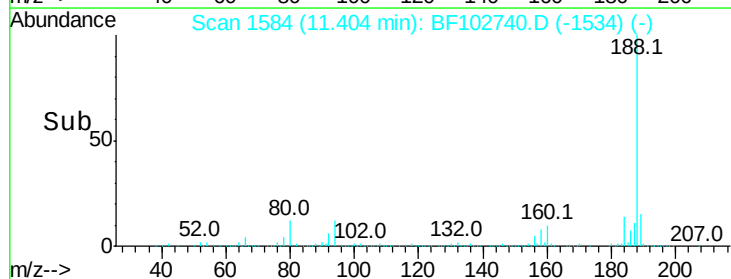
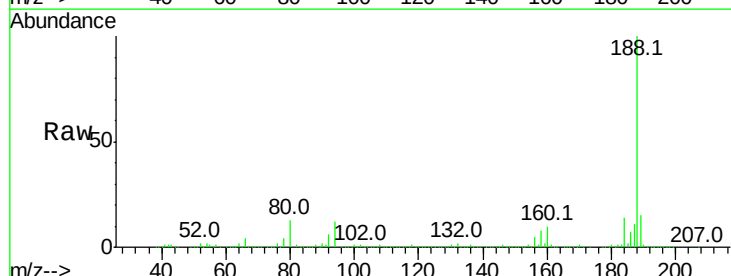
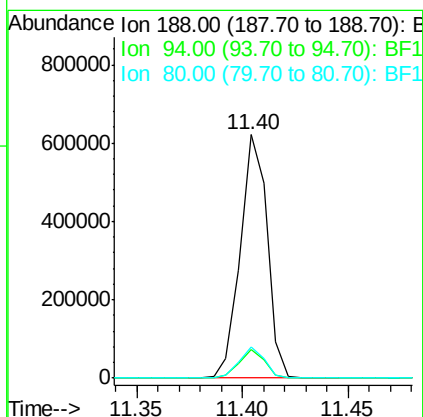
Manual Integrations
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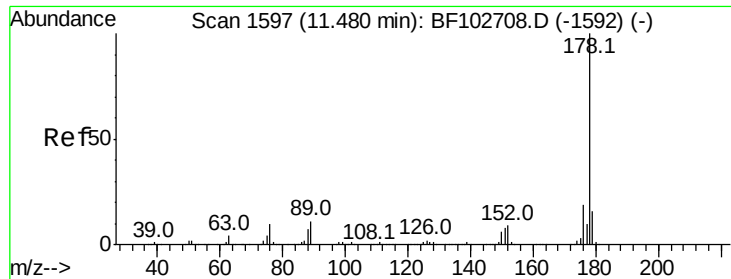
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102740.D
 Acq: 5 Feb 2018 16:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.5	9.2	13.8





#71

Anthracene

Concen: 2.787 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Instrument :

BNA_F

ClientSampleId :

WC-PH3-MGP-03

Tot Ion:178 Resp: 86007

Ion Ratio Lower Upper

178 100

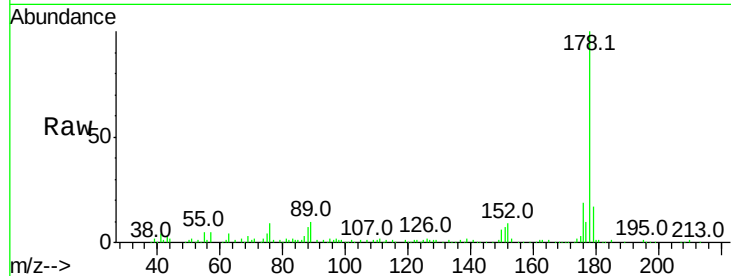
176 19.1 15.4 23.2

179 16.9 12.6 19.0

Manual Integrations
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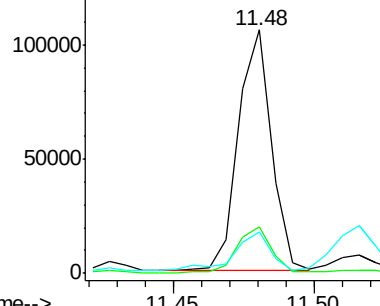
2/6/2018 2:25:32 PM



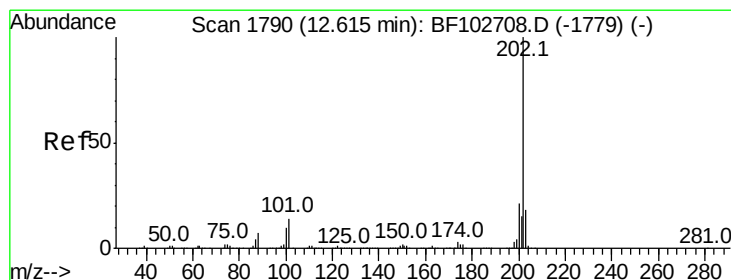
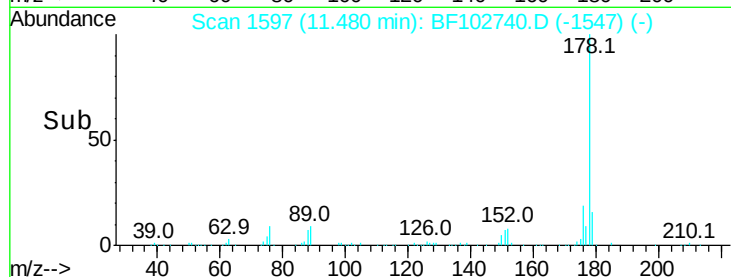
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 17.048 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

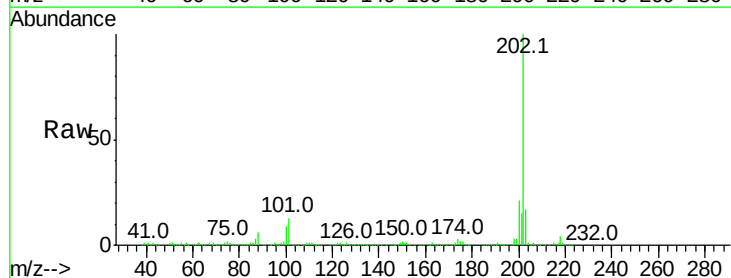
Tgt Ion:202 Resp: 520351

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

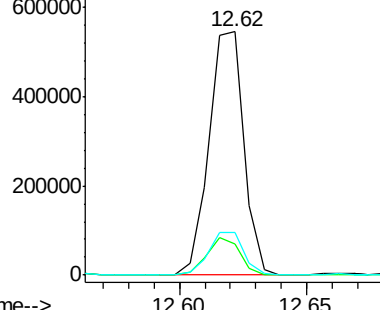
203 17.4 0.0 38.1



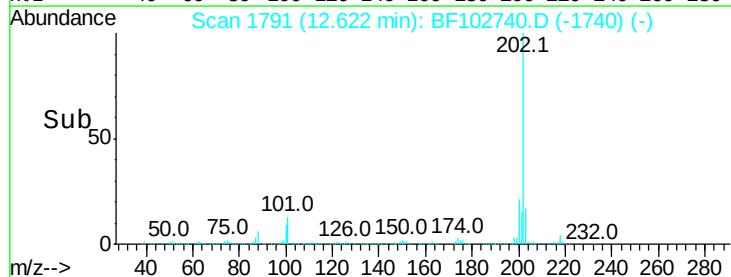
Abundance Ion 202.00 (201.70 to 202.70): E

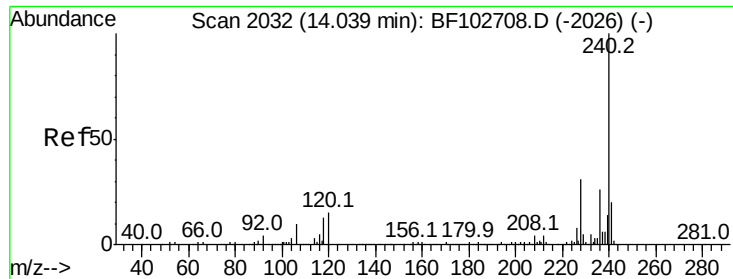
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Instrument :

BNA_F

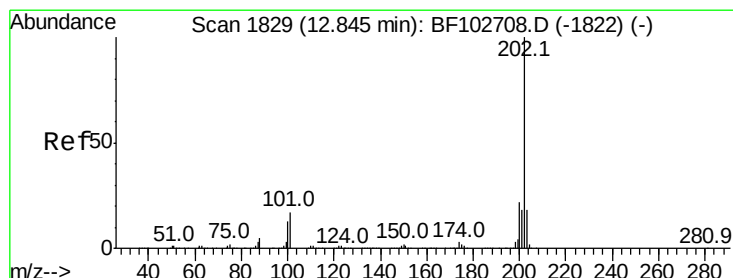
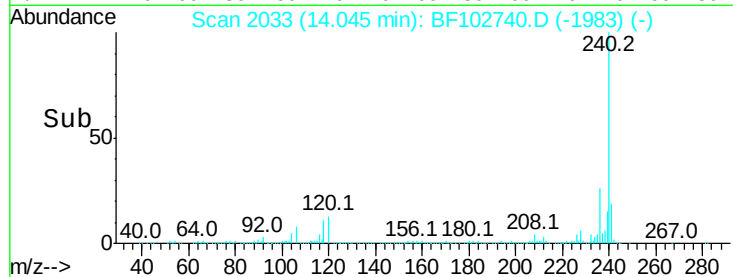
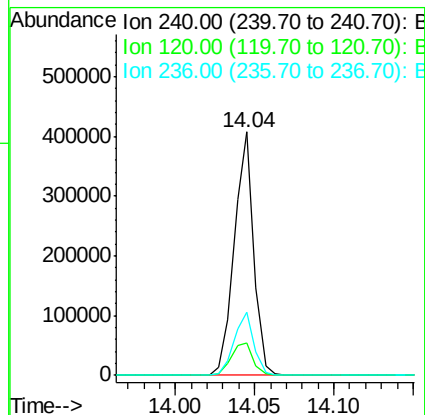
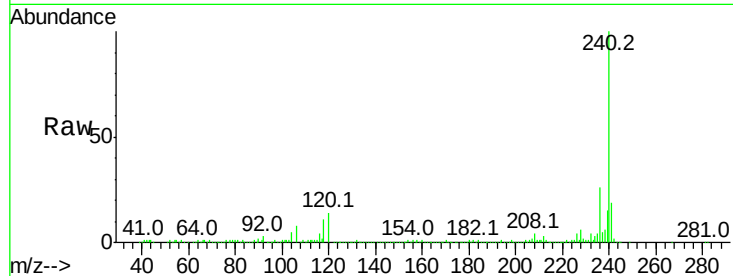
ClientSampleId :

WC-PH3-MGP-03

Tot Ion:	240	Resp:	346369
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 23.719 ng

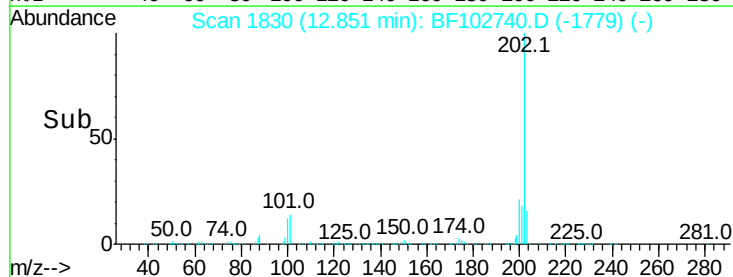
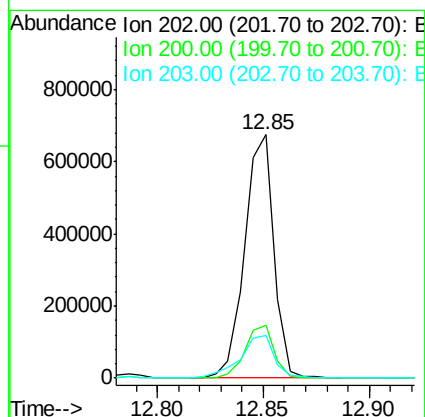
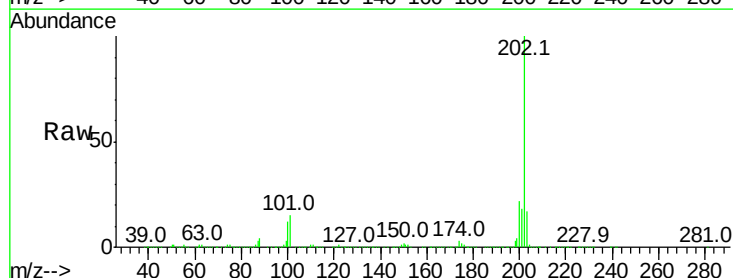
RT: 12.85 min Scan# 1830

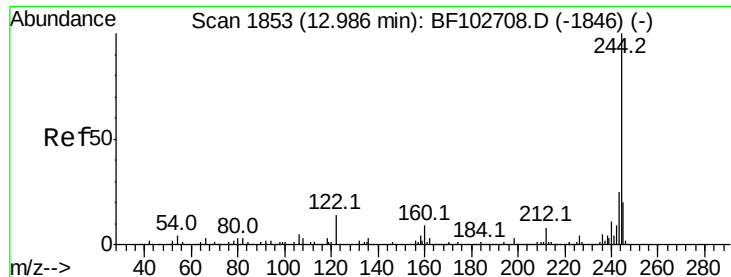
Delta R.T. 0.00 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Tgt Ion:	202	Resp:	644234
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.4	14.3	21.5





#78

Terphenyl-d14

Concen: 41.844 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Instrument :

BNA_F

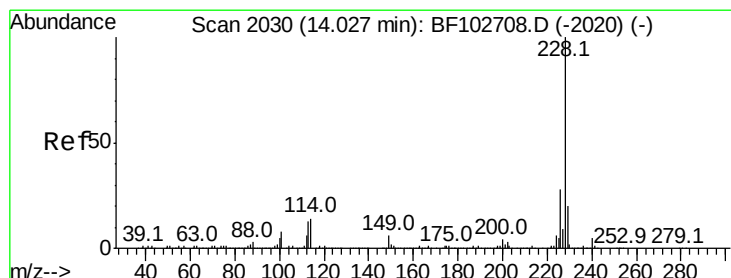
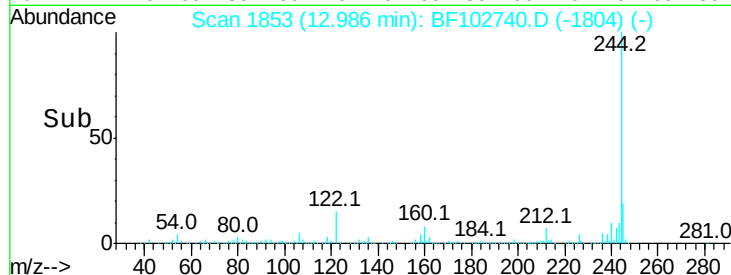
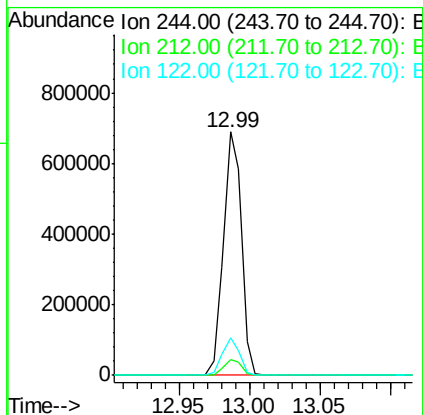
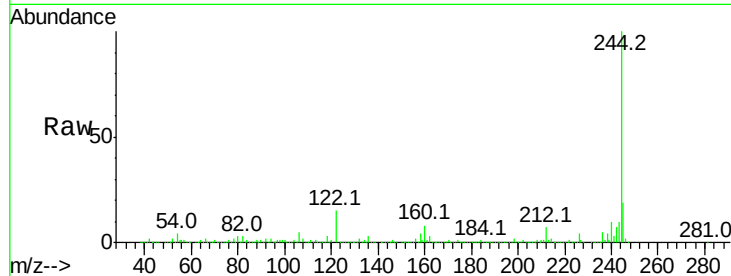
ClientSampleId :

WC-PH3-MGP-03

Tot Ion:	244	Resp:	612111
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	15.2	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 8.003 ng m

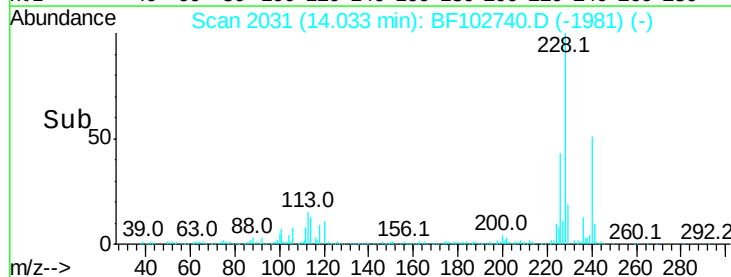
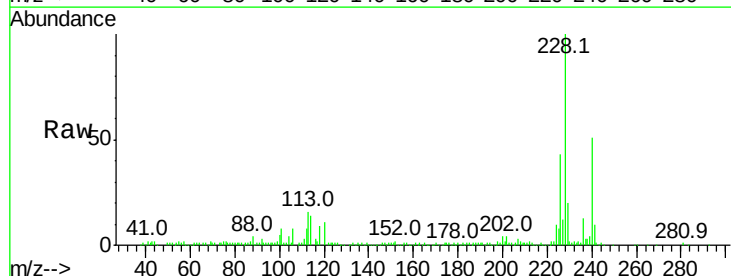
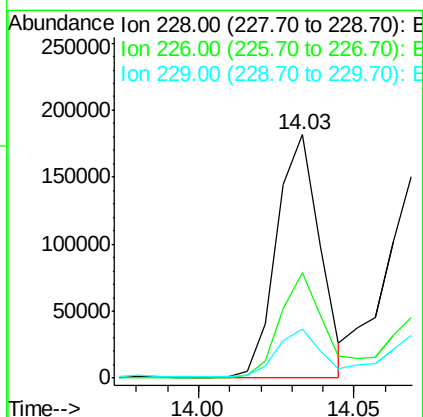
RT: 14.03 min Scan# 2031

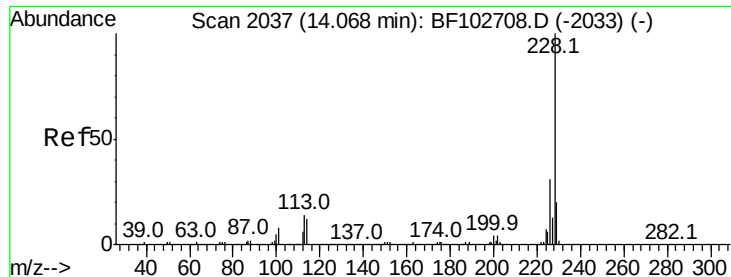
Delta R.T. -0.01 min

Lab File: BF102740.D

Acq: 5 Feb 2018 16:17

Tgt Ion:	228	Resp:	174341
Ion Ratio	Lower	Upper	
228	100		
226	43.4	22.6	33.8#
229	20.1	15.8	23.6





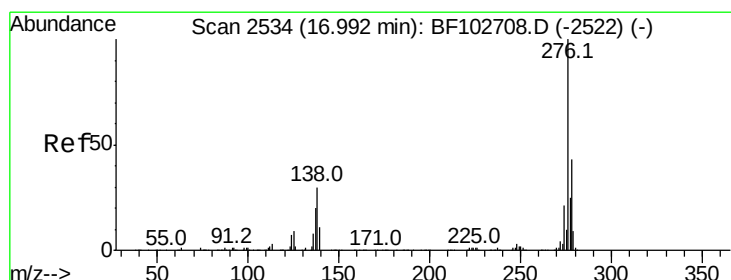
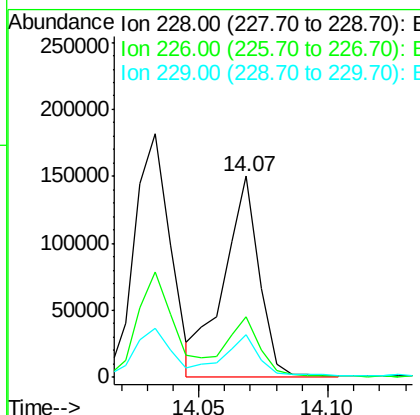
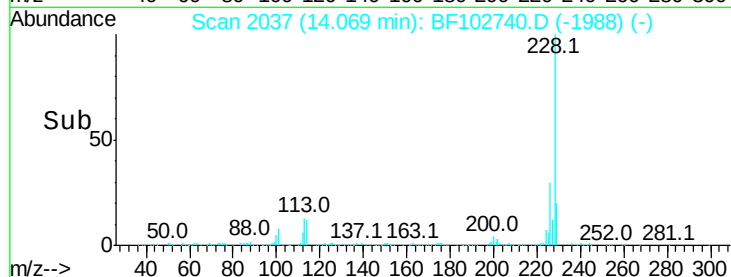
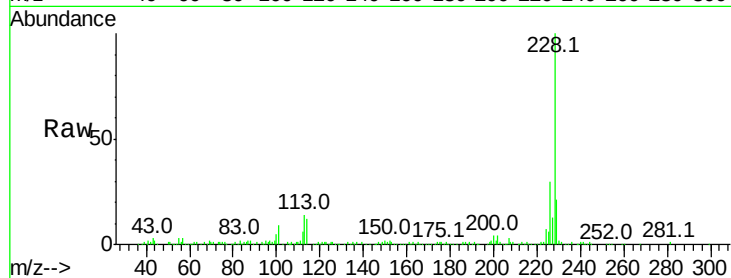
#82
Chrysene
Concen: 6.597 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

Tot Ion:	228	Resp:	144868
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	21.1	16.2	24.4

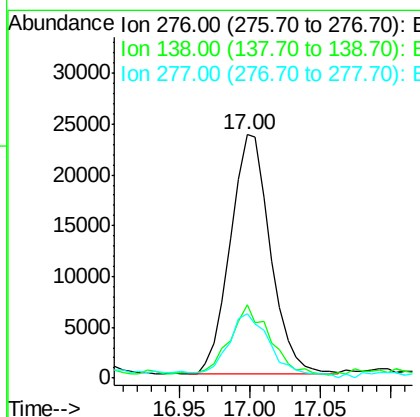
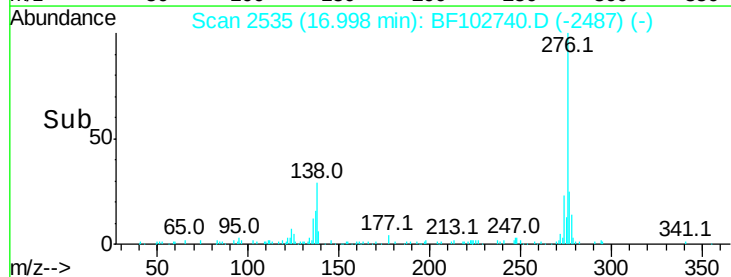
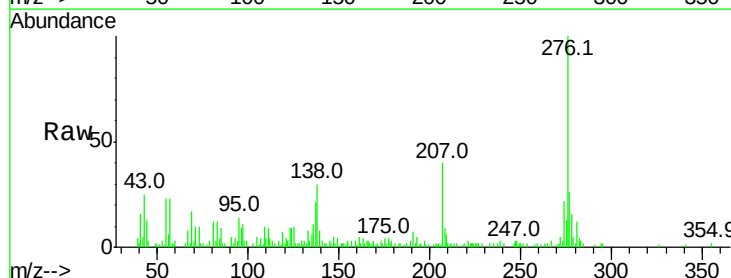
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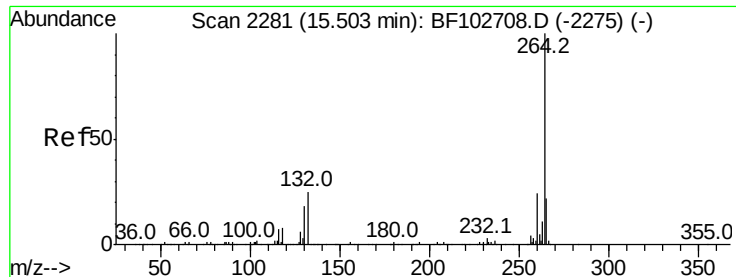
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.586 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.02 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Tgt Ion:	276	Resp:	47103
Ion Ratio	Lower	Upper	
276	100		
138	28.9	25.0	37.6
277	28.9	20.1	30.1





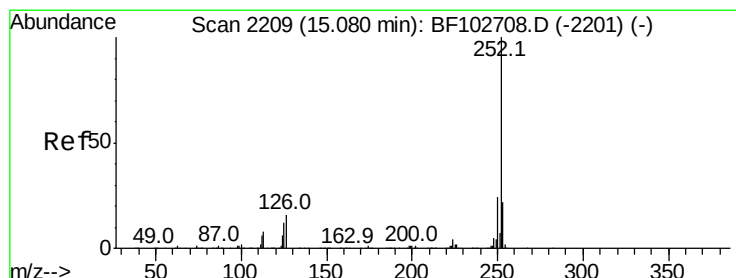
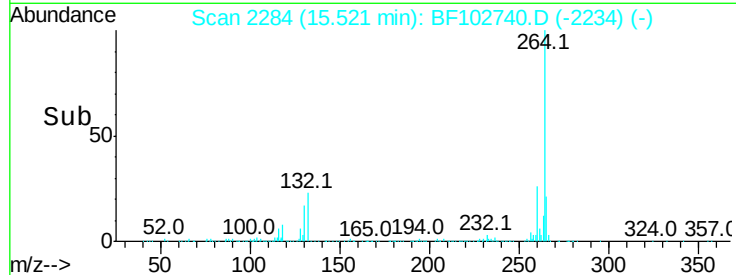
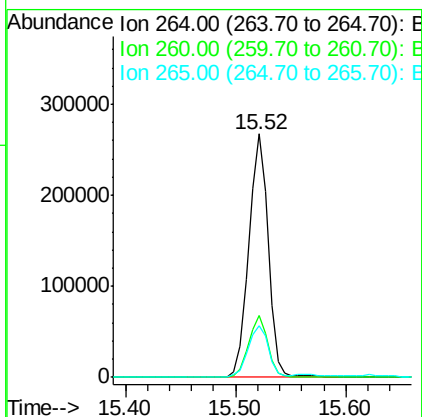
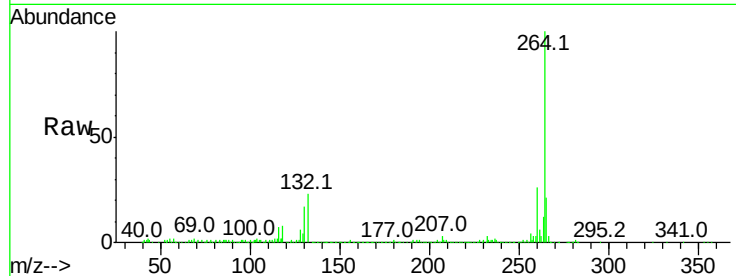
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	21.3	17.5	26.3

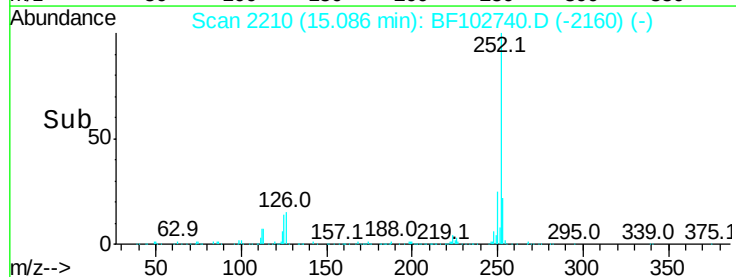
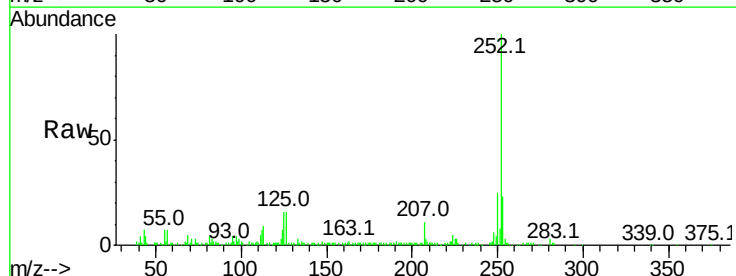
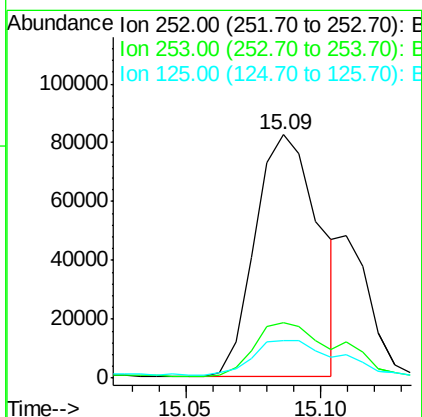
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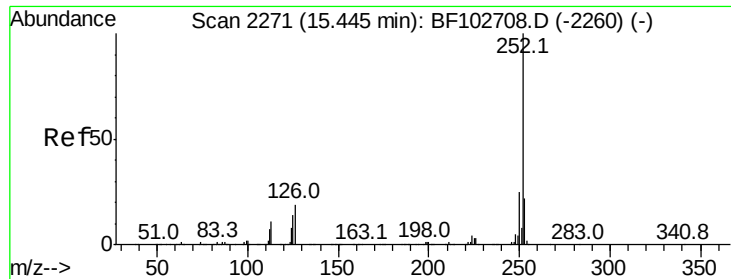
Sohil
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#87
Benzo(b)fluoranthene
Concen: 6.310 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.6	9.0	13.6





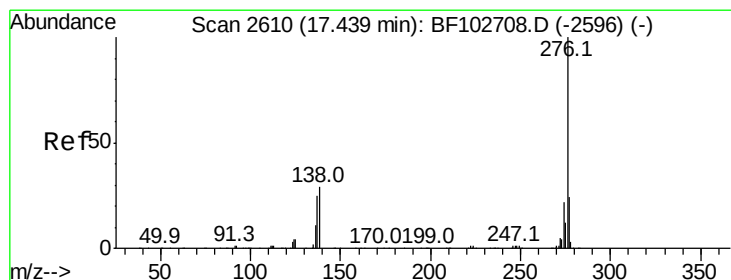
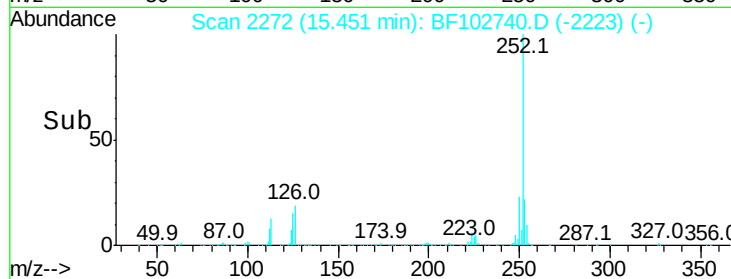
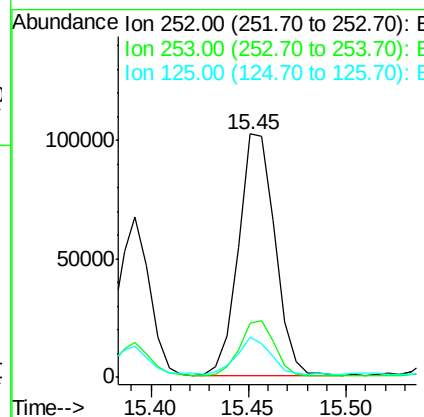
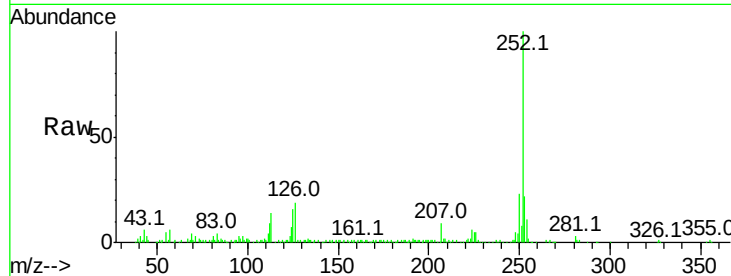
#89
Benzo(a)pyrene
Concen: 6.865 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-03

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.4	9.8	14.6

Manual Integrations
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2/6/2018 2:25:32 PM



#91
Benzo(g,h,i)perylene
Concen: 3.485 ng
RT: 17.45 min Scan# 2612
Delta R.T. -0.02 min
Lab File: BF102740.D
Acq: 5 Feb 2018 16:17

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	21.2	17.9	26.9
138	25.0	21.8	32.8

