

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF012318\
 Data File : BF102376.D
 Acq On : 24 Jan 2018 7:57
 Operator : SJ/JU
 Sample : J1214-01DL 4X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01DL

Manual Integrations
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Sohil
 1/24/2018 2:47:27 PM

Quant Time: Jan 24 10:14:00 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	134229	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	557112	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242958	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	368337	20.00	ng	0.00
75) Chrysene-d12	13.87	240	257315	20.00	ng	0.00
86) Perylene-d12	15.30	264	247325	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	209500	23.67	ng	0.00
7) Phenol-d6	6.35	99	257700	24.15	ng	-0.01
23) Nitrobenzene-d5	7.27	82	146587	15.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	42334	17.59	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	191579	11.59	ng	-0.01
78) Terphenyl-d14	12.82	244	124526	10.91	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.02	128	282221	10.146	ng	100
37) 2-Methylnaphthalene	8.71	142	53791	2.904	ng	99
48) Acenaphthylene	9.61	152	113027	4.296	ng	99
57) Fluorene	10.30	166	102730	6.235	ng	97
70) Phenanthrene	11.26	178	448086	20.876	ng	99
71) Anthracene	11.31	178	292530	13.353	ng	98
74) Fluoranthene	12.45	202	218366	9.977	ng	97
77) Pyrene	12.67	202	275748	13.860	ng	98
80) Benzo(a)anthracene	13.86	228	70515m	4.451	ng	
82) Chrysene	13.90	228	70468	4.380	ng	96
87) Benzo(b)fluoranthene	14.89	252	54846m	3.421	ng	
89) Benzo(a)pyrene	15.23	252	59350	4.105	ng	97
91) Benzo(g,h,i)perylene	17.09	276	25579	2.212	ng	92

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

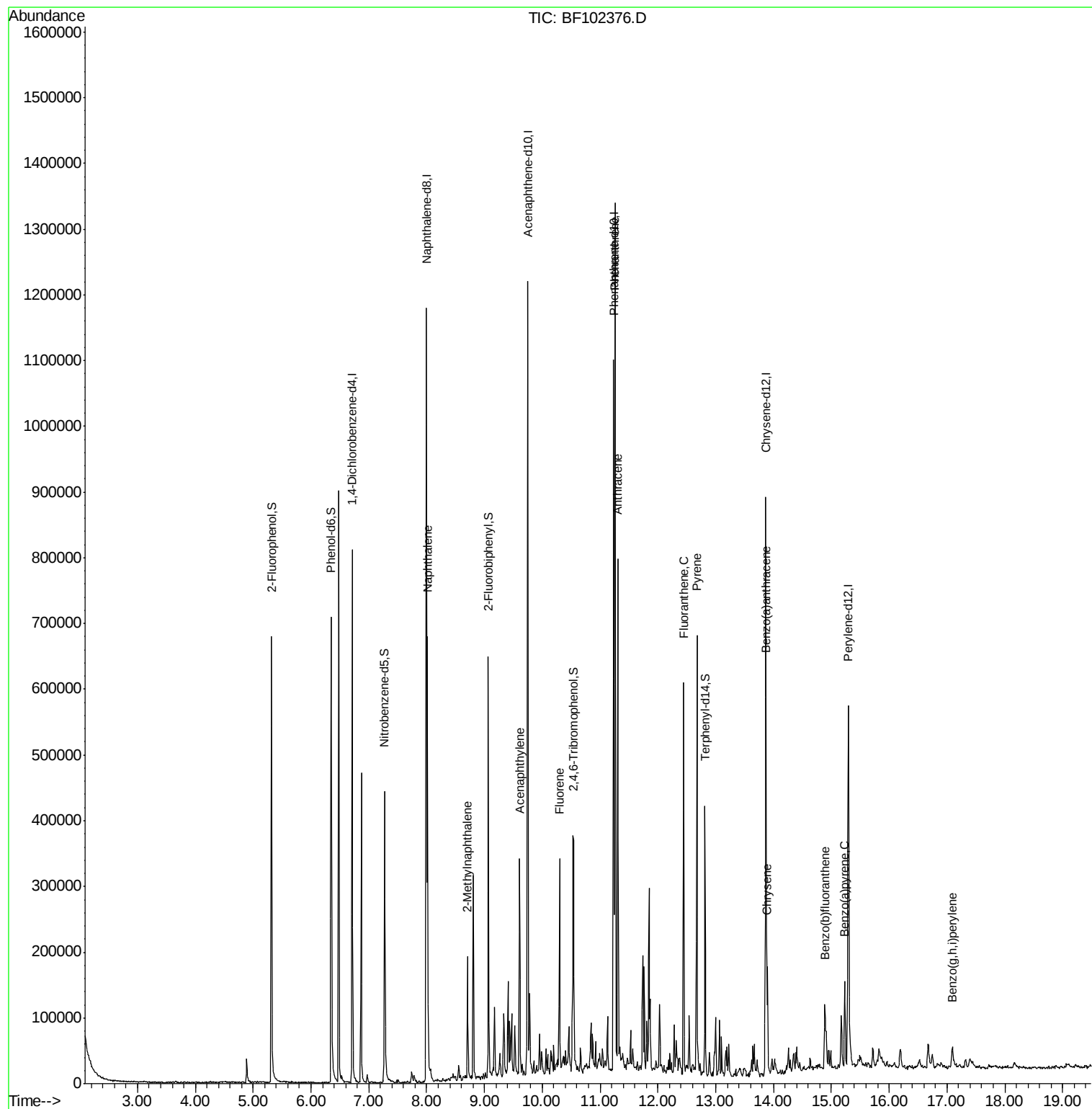
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF012318\
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ALS Vial : 28 Sample Multiplier: 1

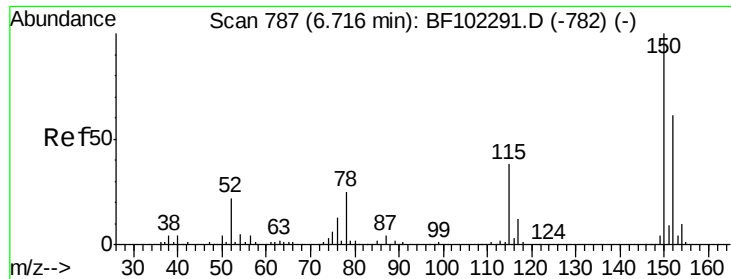
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

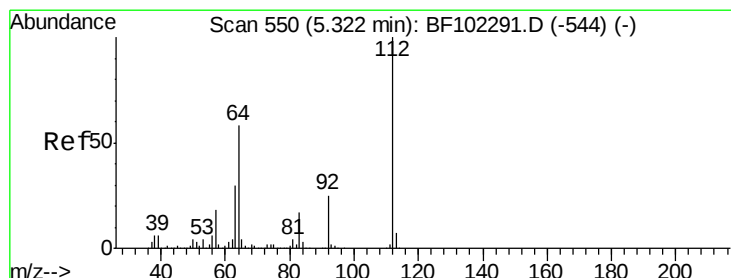
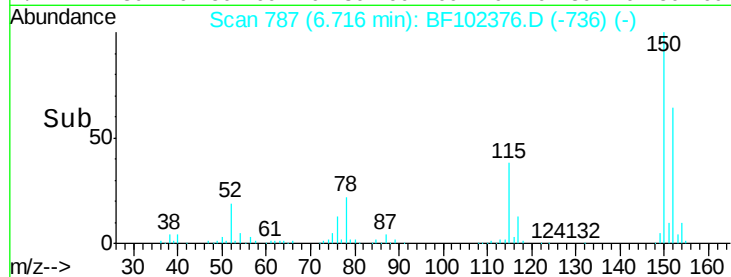
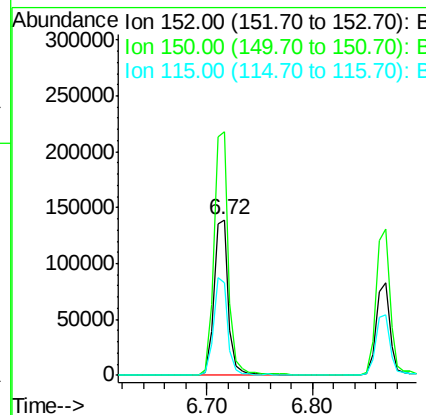
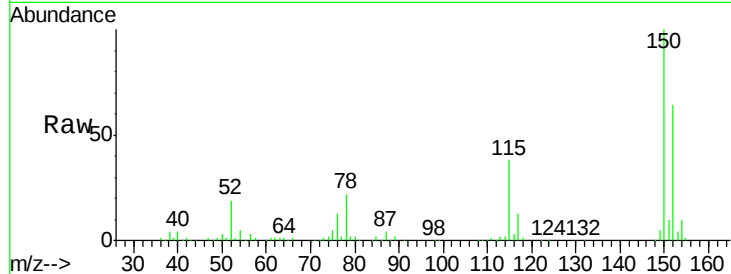
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	59.7	50.1	75.1

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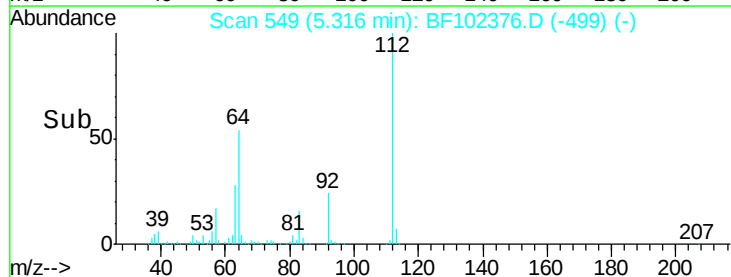
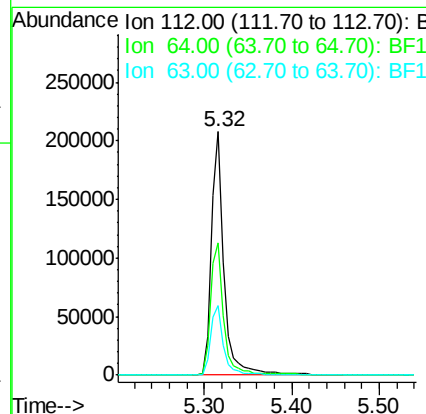
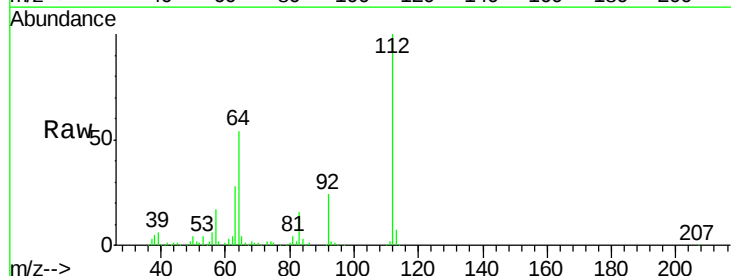
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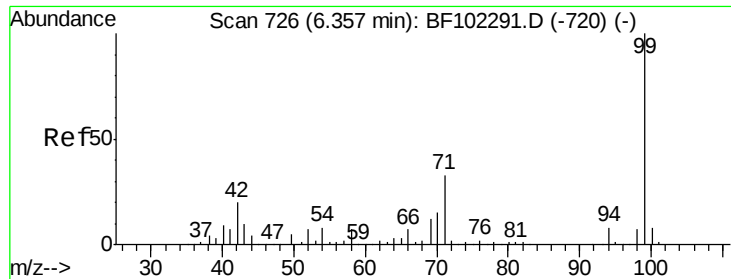


#5

2-Fluorophenol
Concen: 23.665 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 24.146 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102376.D

Acq: 24 Jan 2018 7:57

Instrument :

BNA_F

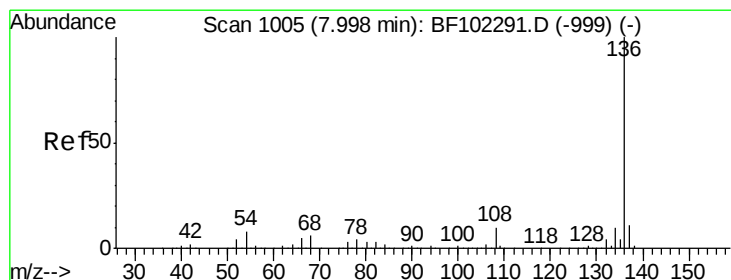
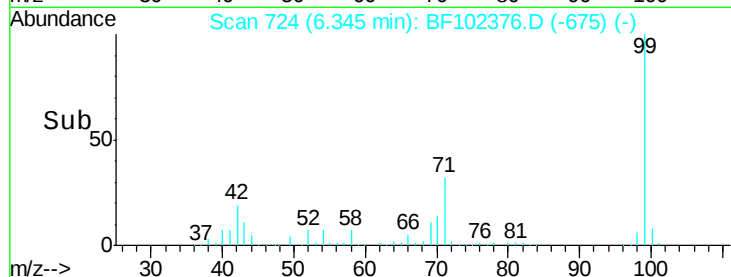
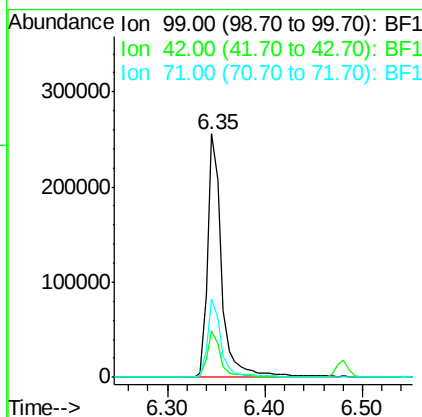
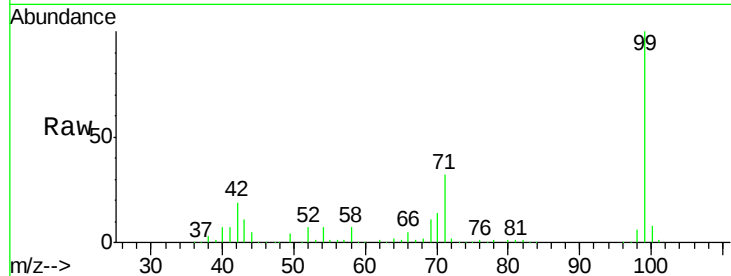
ClientSampleId :

WC-PH3-MGP-01DL

Tgt Ion:	99	Resp:	257700
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

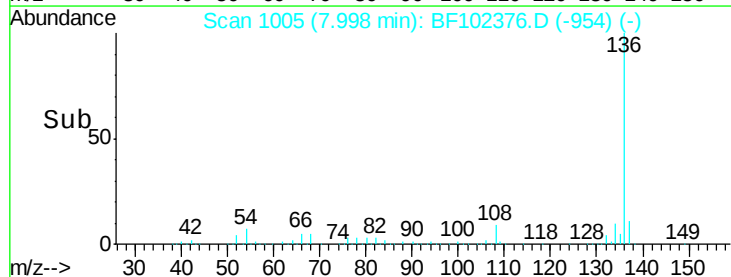
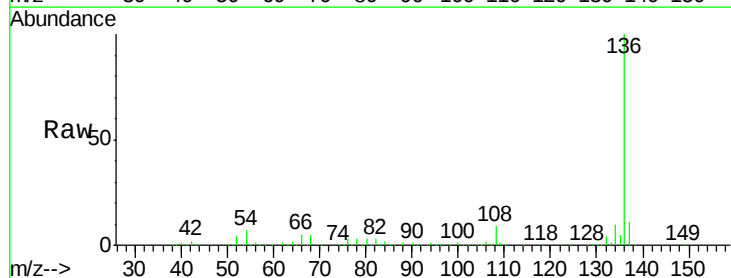
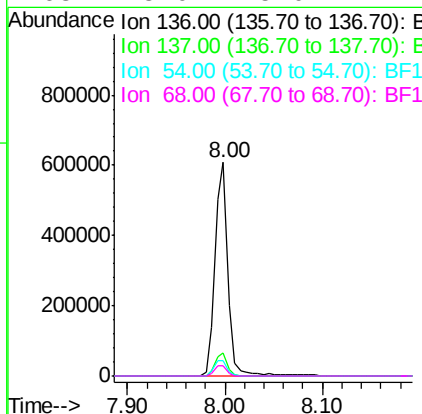
RT: 8.00 min Scan# 1005

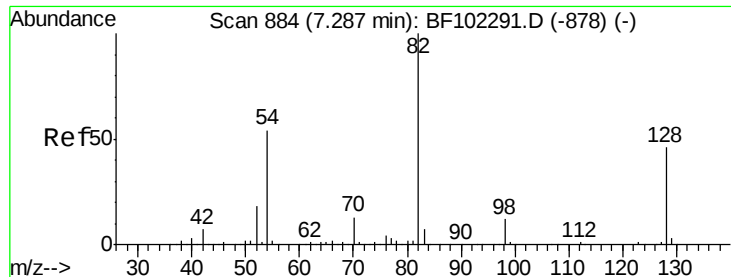
Delta R.T. -0.00 min

Lab File: BF102376.D

Acq: 24 Jan 2018 7:57

Tgt Ion:	136	Resp:	557112
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.1	6.6	9.8
68	5.0	5.0	7.4





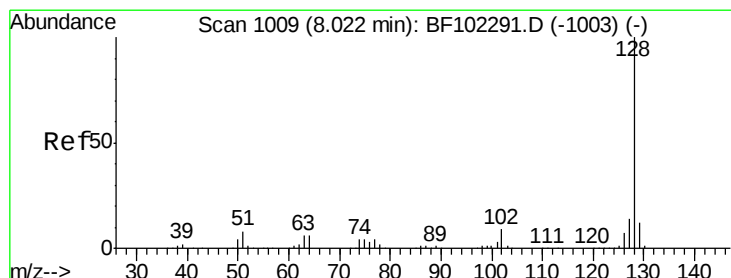
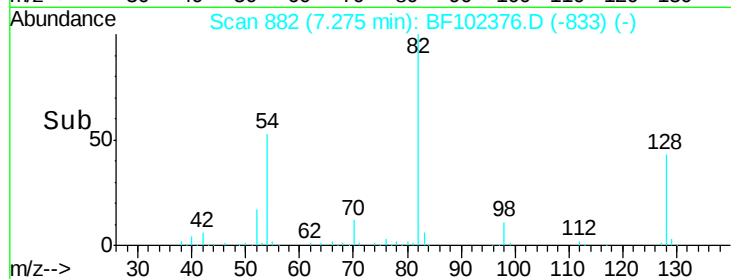
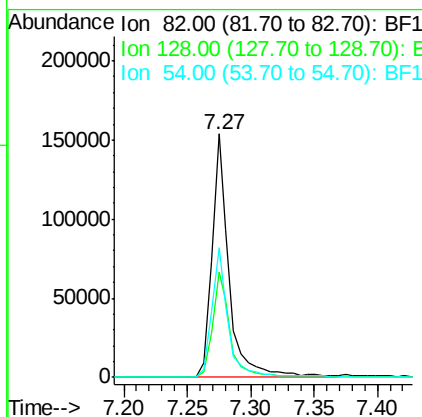
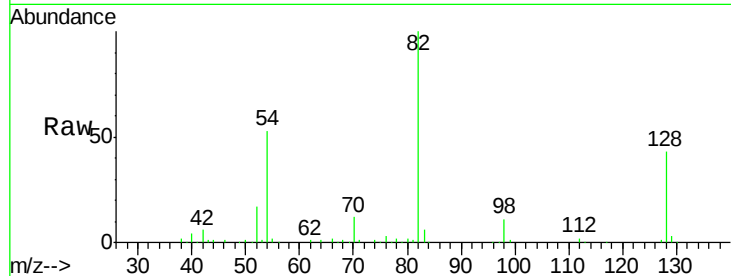
#23
Nitrobenzene-d5
Concen: 15.121 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	146587		
128	43.4	36.1	54.1	
54	53.2	41.4	62.2	

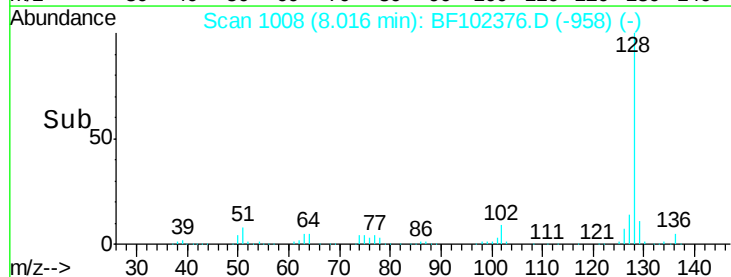
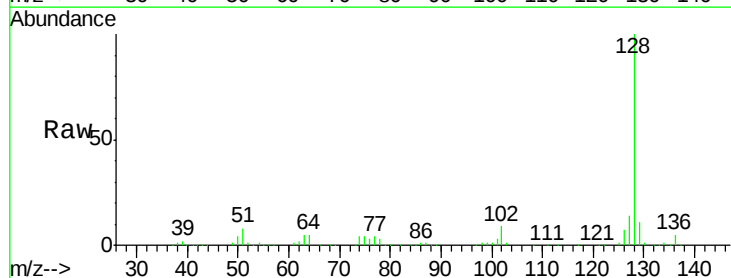
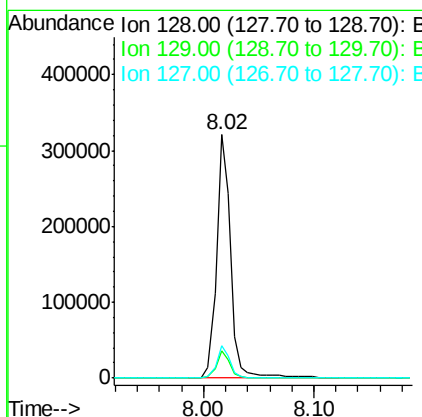
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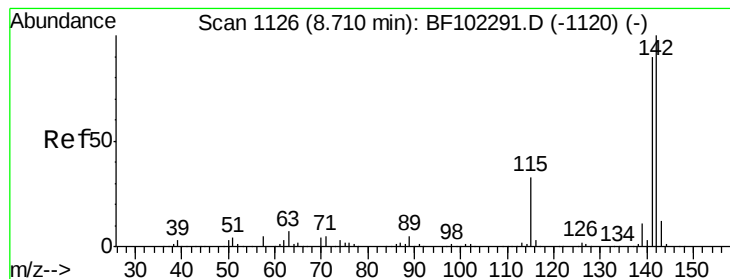
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#31
Naphthalene
Concen: 10.146 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	282221		
129	11.1	8.8	13.2	
127	13.5	10.9	16.3	





#37

2-Methylnaphthalene

Concen: 2.904 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BF102376.D

Acq: 24 Jan 2018 7:57

Instrument :

BNA_F

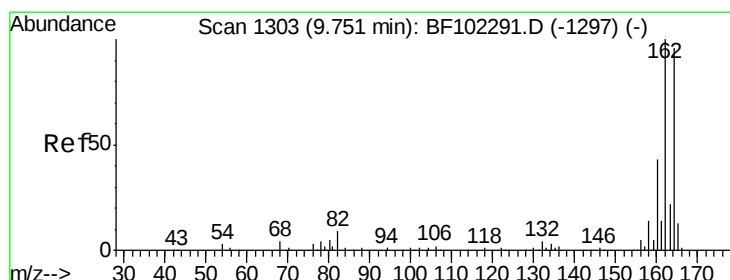
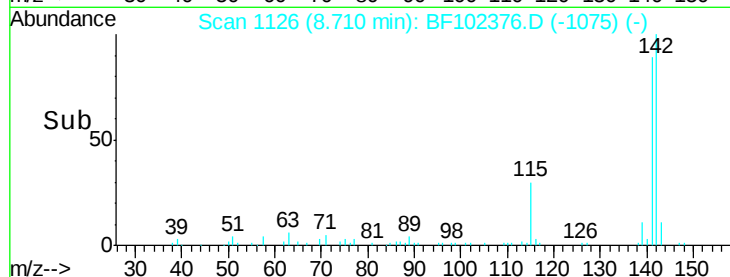
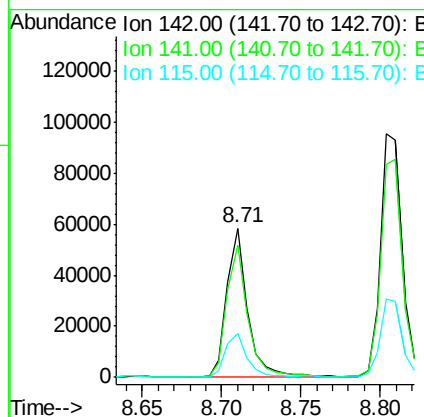
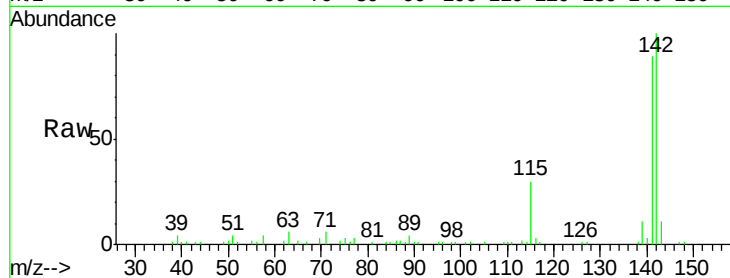
ClientSampleId :

WC-PH3-MGP-01DL

Tgt Ion:	142	Resp:	53791
Ion Ratio	Lower	Upper	
142	100		
141	88.6	70.8	106.2
115	29.7	26.1	39.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

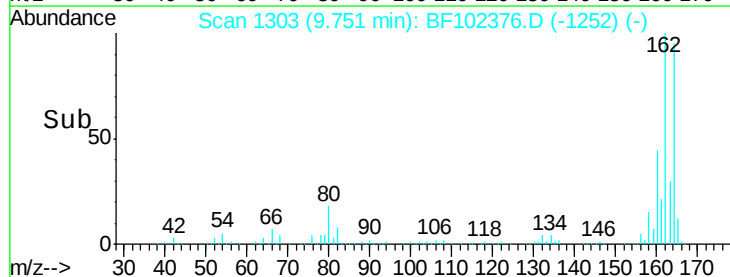
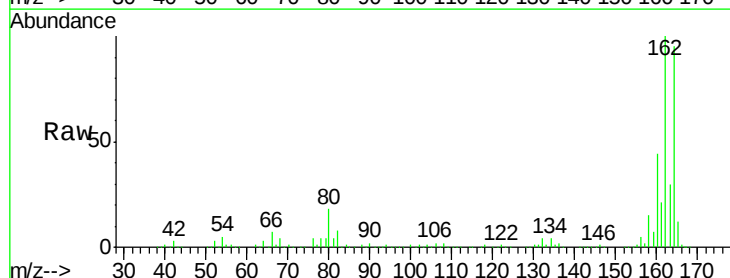
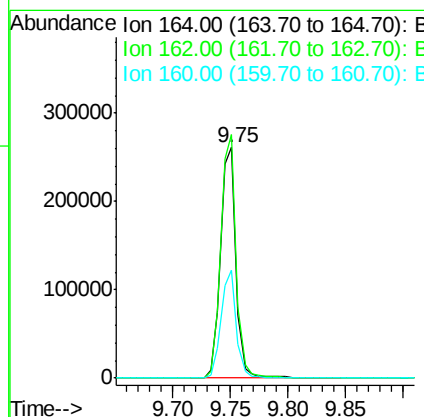
RT: 9.75 min Scan# 1303

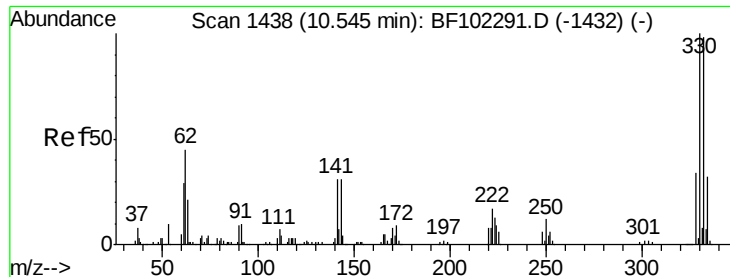
Delta R.T. -0.00 min

Lab File: BF102376.D

Acq: 24 Jan 2018 7:57

Tgt Ion:	164	Resp:	242958
Ion Ratio	Lower	Upper	
164	100		
162	105.6	86.1	129.1
160	46.8	38.3	57.5





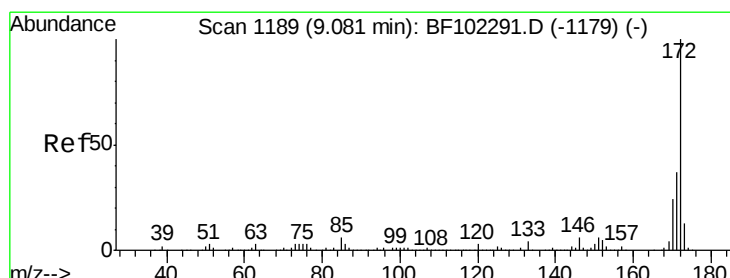
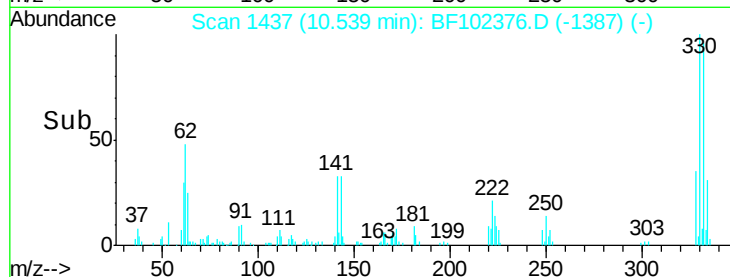
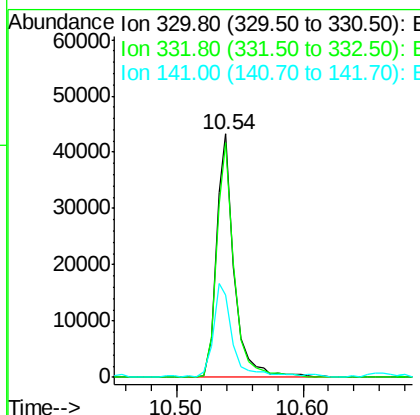
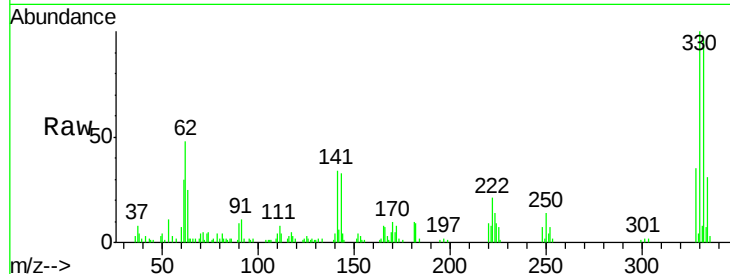
#41
 2,4,6-Tribromophenol
 Concen: 17.585 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	42334		
332	96.6	77.0	115.6	
141	44.4	29.9	44.9	

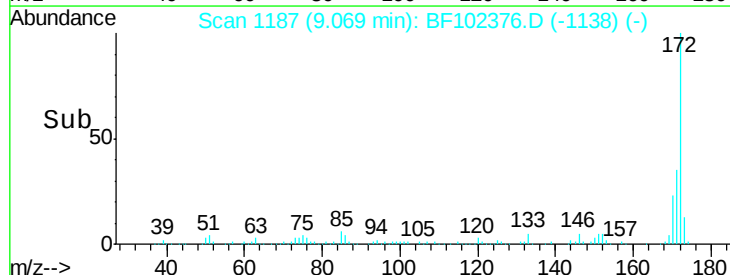
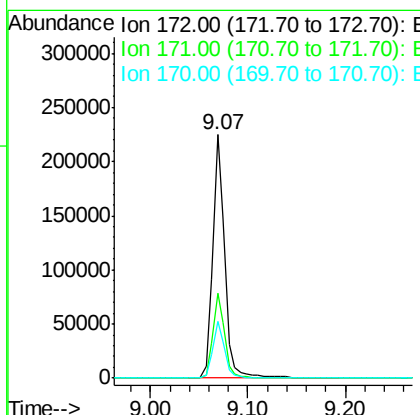
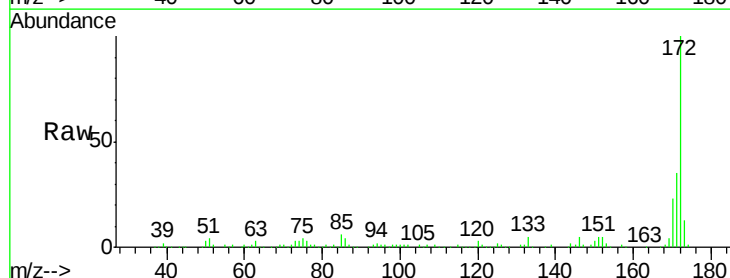
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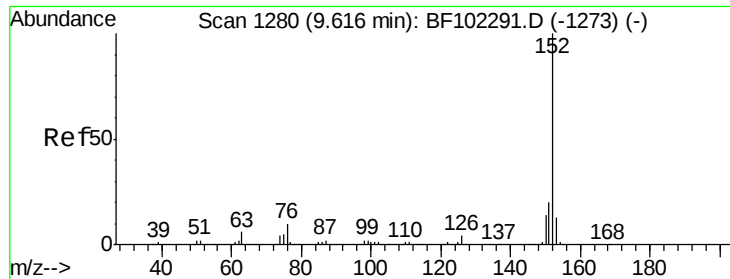
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#44
 2-Fluorobiphenyl
 Concen: 11.594 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	191579		
171	34.9	29.7	44.5	
170	23.2	19.6	29.4	





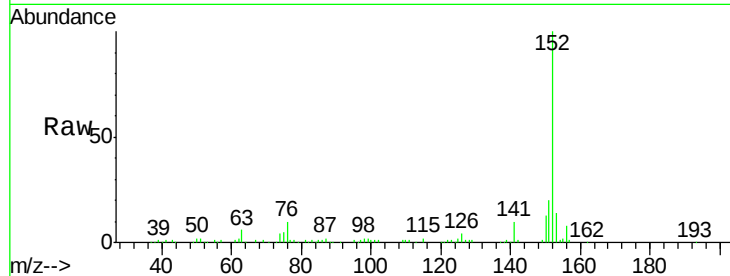
#48
Acenaphthylene
Concen: 4.296 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01DL

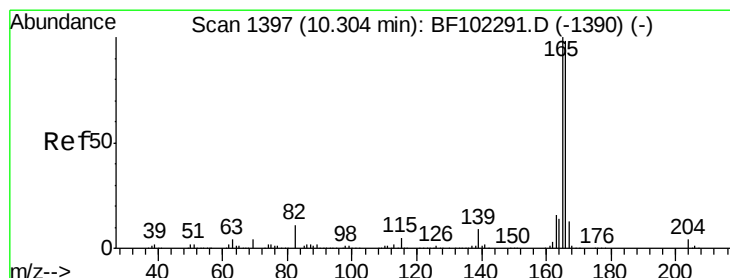
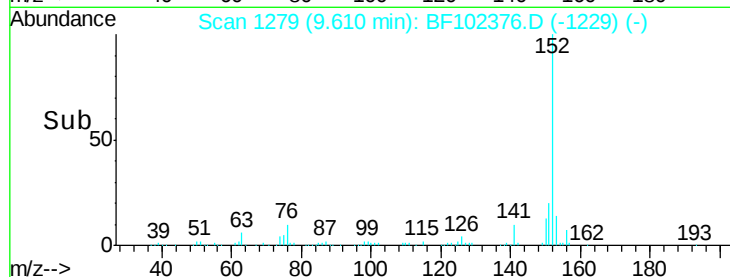
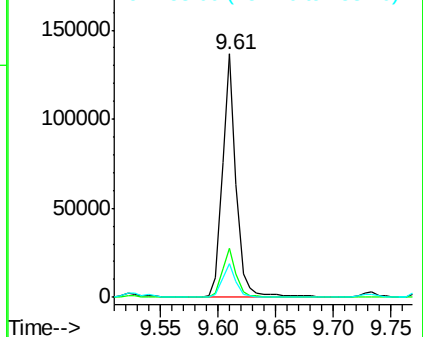
Tgt Ion:	152	Resp:	113027
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.3	24.5
153	14.0	10.7	16.1

Manual Integrations
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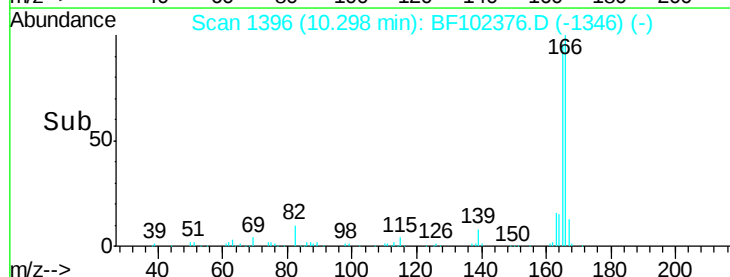
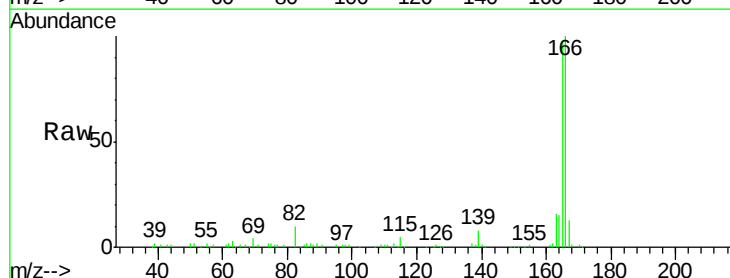
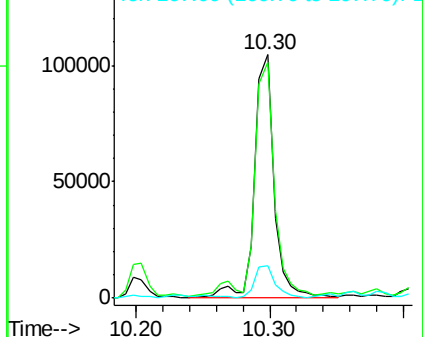
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Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

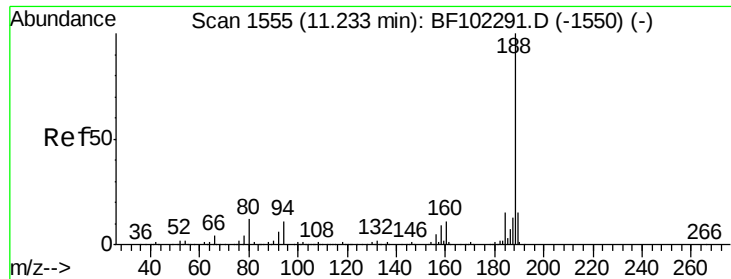


#57
Fluorene
Concen: 6.235 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Tgt Ion:	166	Resp:	102730
Ion Ratio	Lower	Upper	
166	100		
165	96.8	79.8	119.8
167	13.3	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





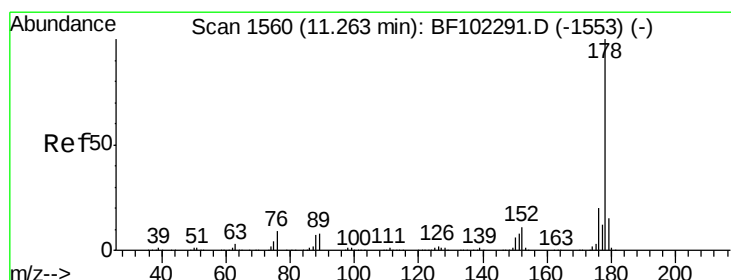
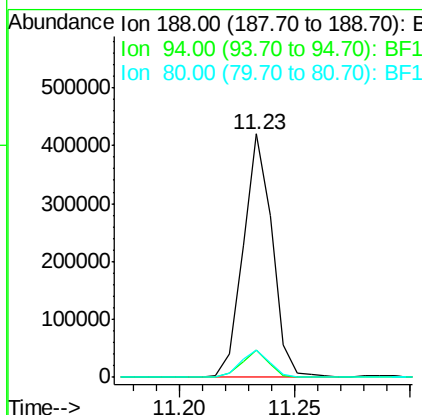
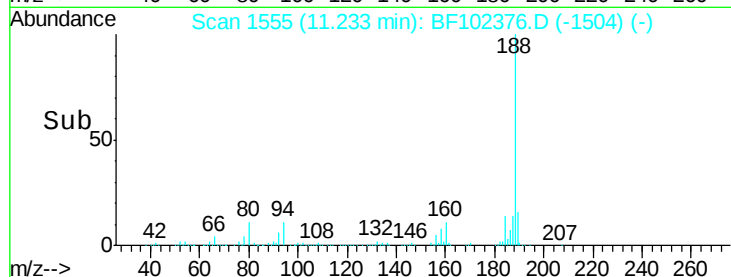
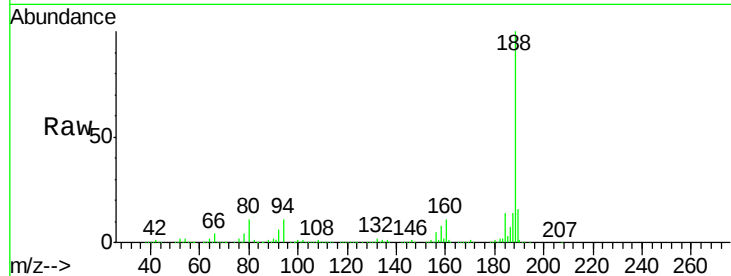
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	8.5	12.7
80	11.0	9.2	13.8

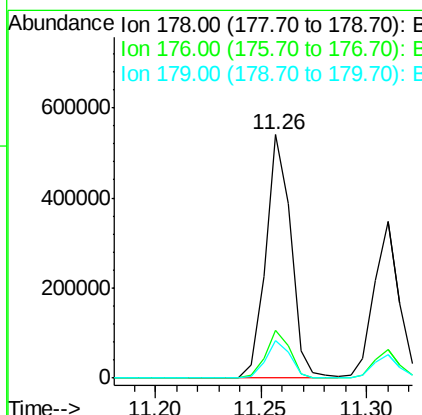
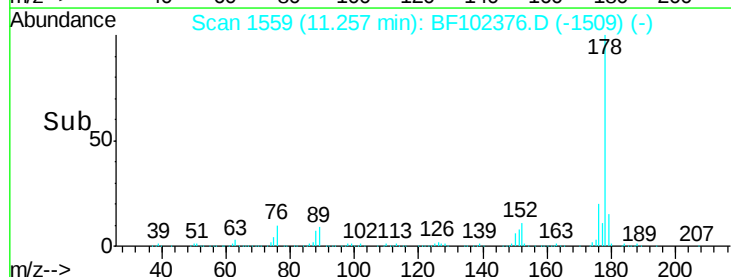
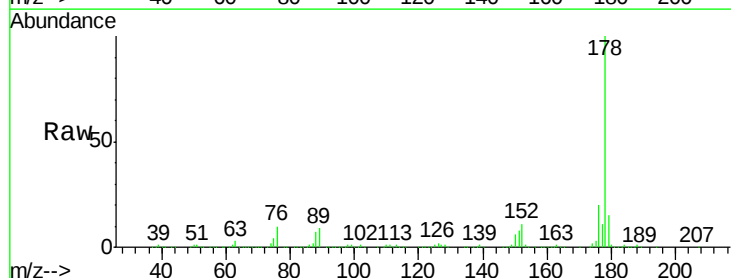
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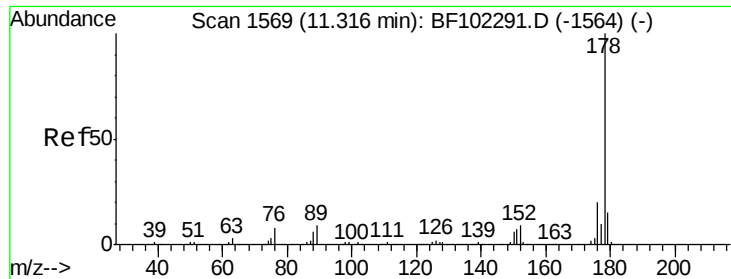
Sohil
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#70
Phenanthrene
Concen: 20.876 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

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





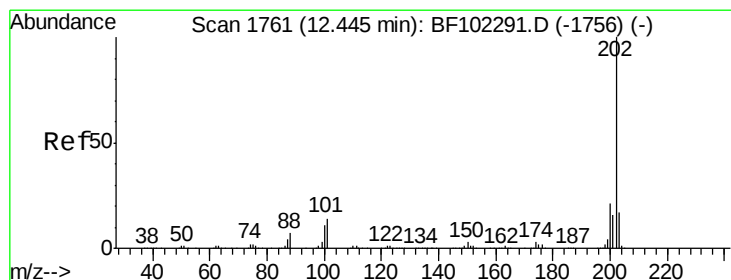
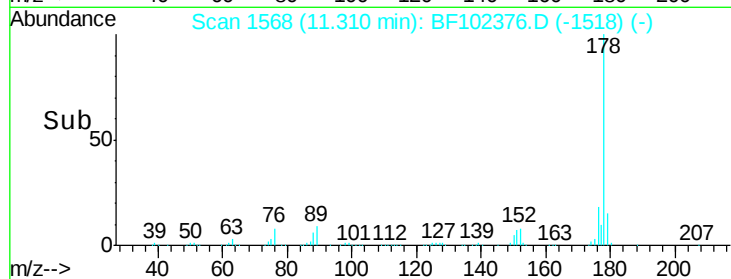
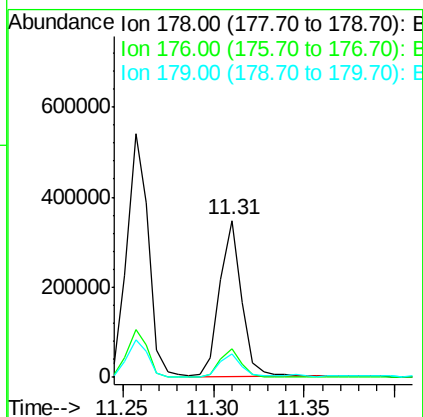
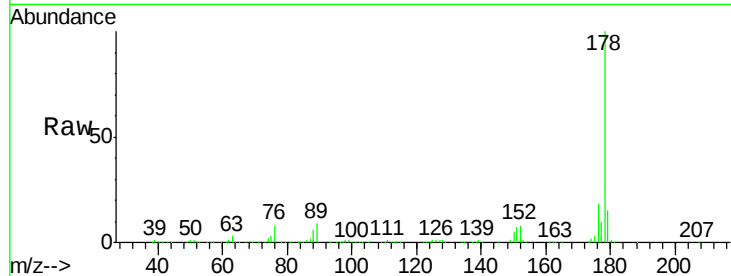
#71
 Anthracene
 Concen: 13.353 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.1	12.6	19.0

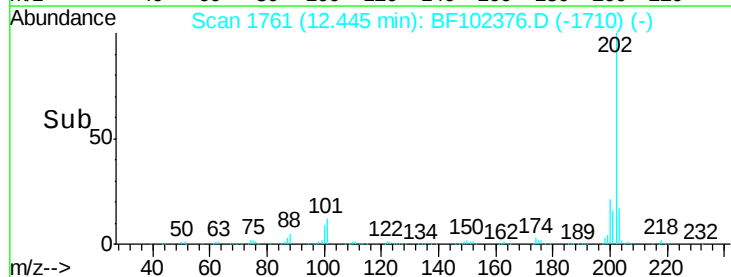
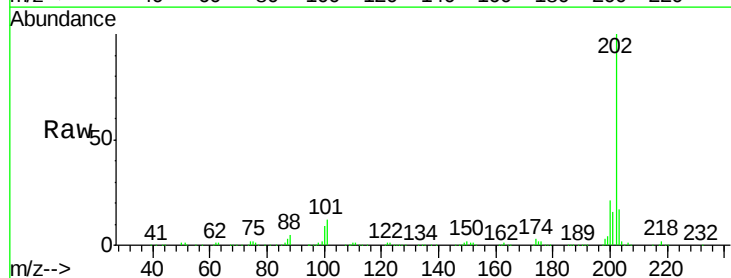
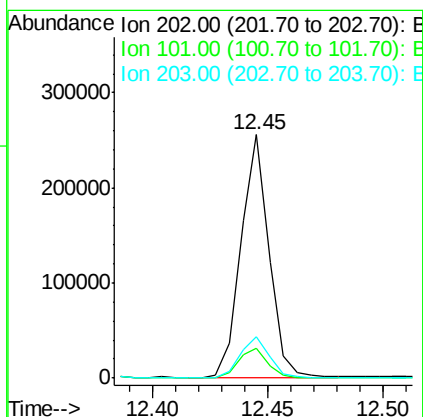
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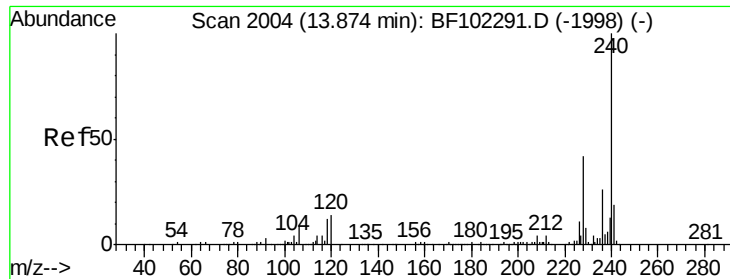
Sohil
 1/24/2018 2:47:27 PM



#74
 Fluoranthene
 Concen: 9.977 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102376.D

Acq: 24 Jan 2018 7:57

Instrument :

BNA_F

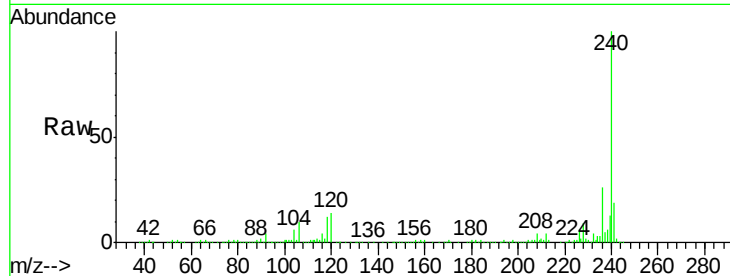
ClientSampleId :

WC-PH3-MGP-01DL

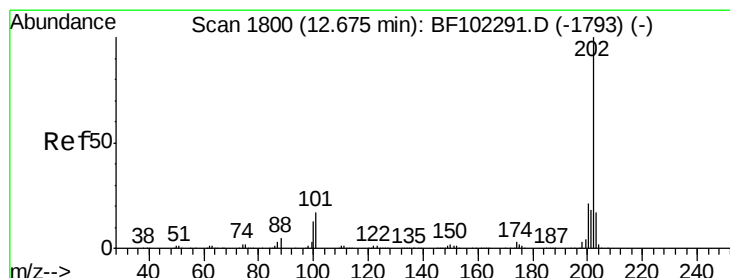
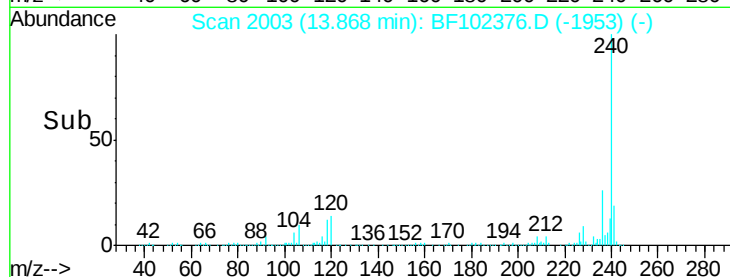
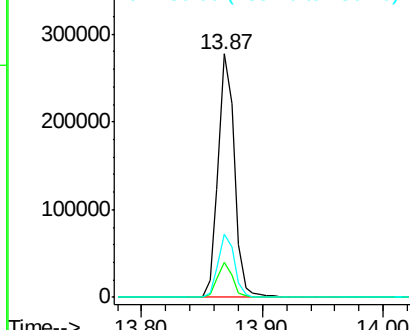
Tgt Ion:	240	Resp:	257315
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.5	14.3
236	25.8	20.7	31.1

Manual Integrations
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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: 13.860 ng

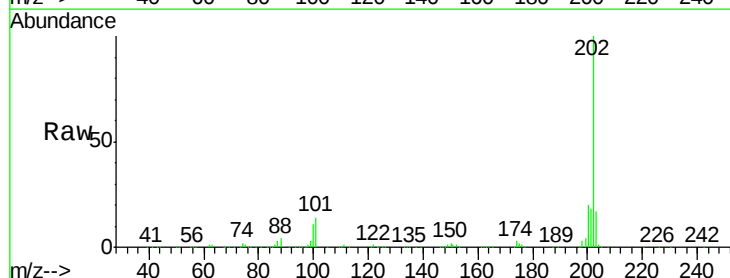
RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

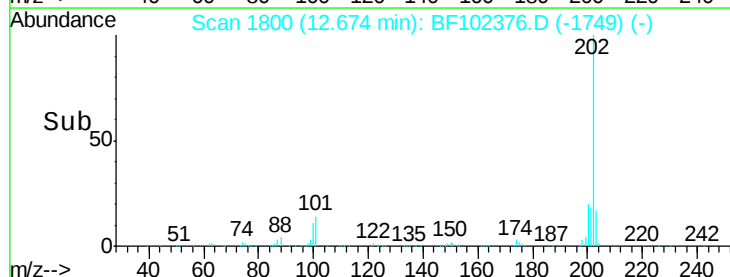
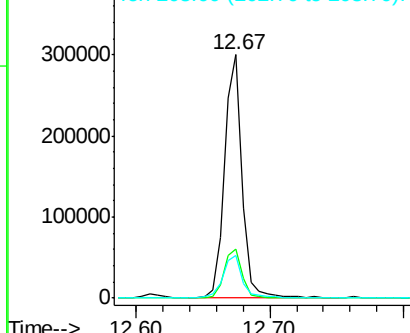
Lab File: BF102376.D

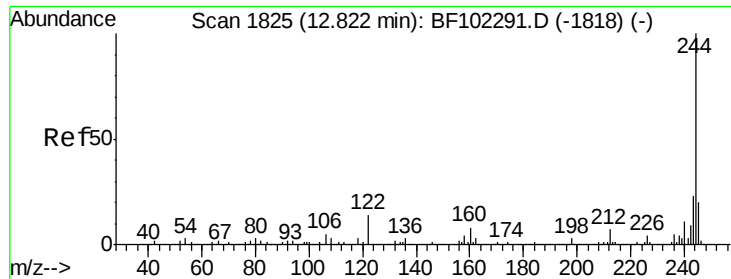
Acq: 24 Jan 2018 7:57

Tgt Ion:	202	Resp:	275748
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.4	26.2
203	17.4	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





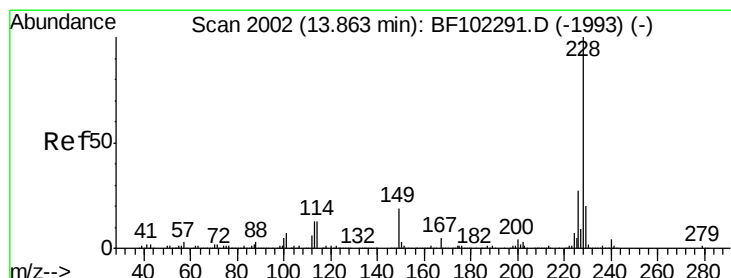
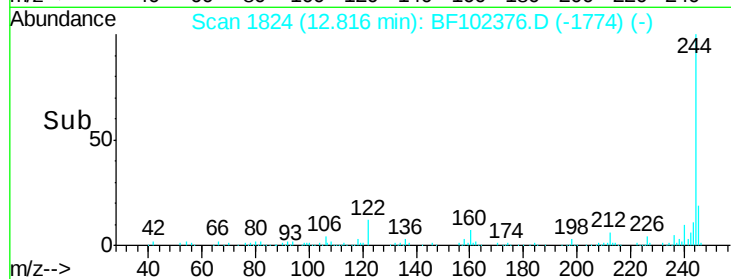
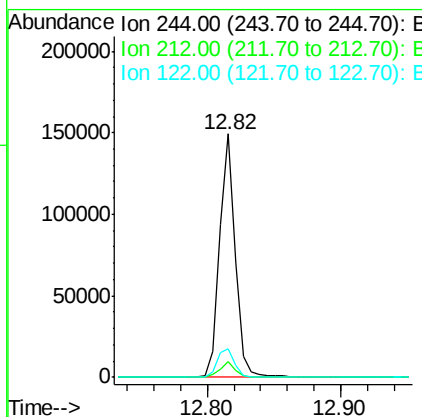
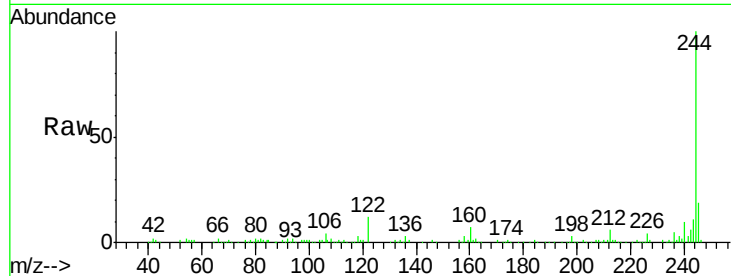
#78
 Terphenyl-d14
 Concen: 10.910 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.6	11.0	16.4

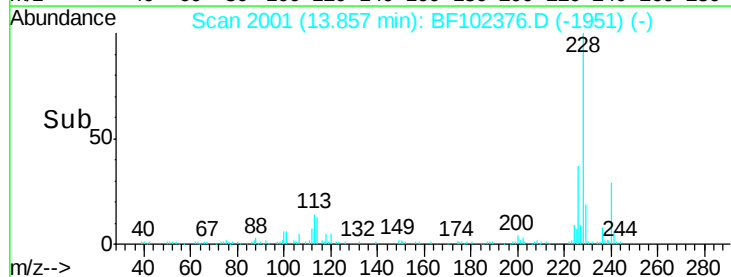
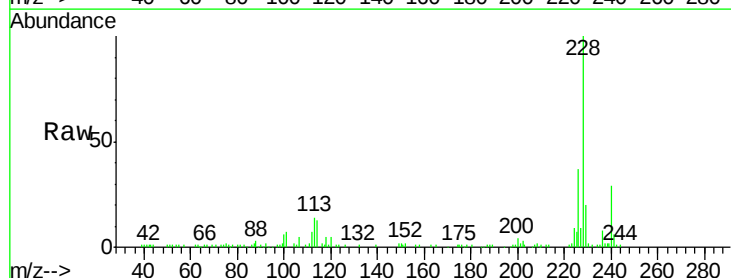
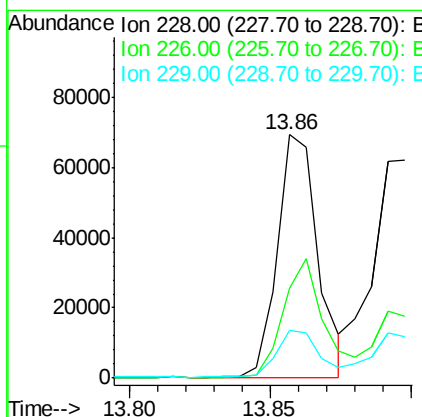
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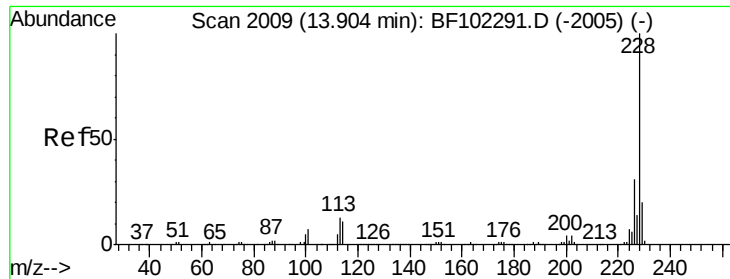
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#80
 Benzo(a)anthracene
 Concen: 4.451 ng m
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.1	22.6	33.8#
229	19.7	15.8	23.6





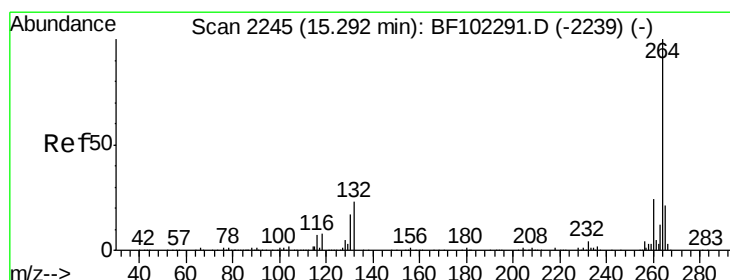
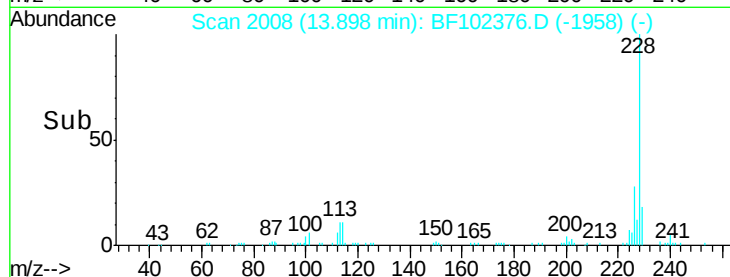
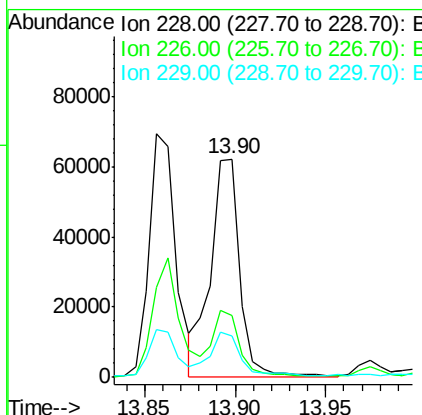
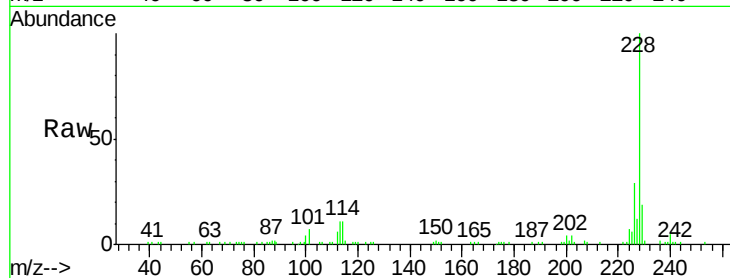
#82
Chrysene
Concen: 4.380 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	25.0	37.6
229	18.9	16.2	24.4

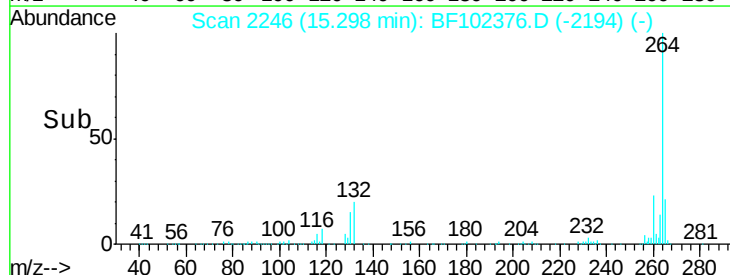
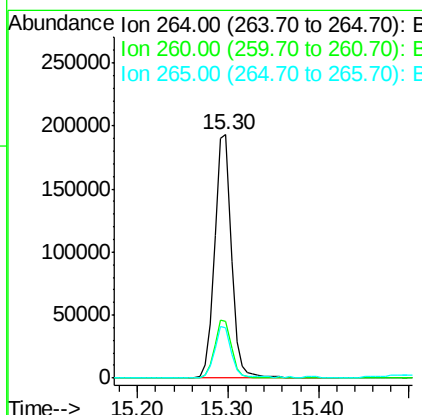
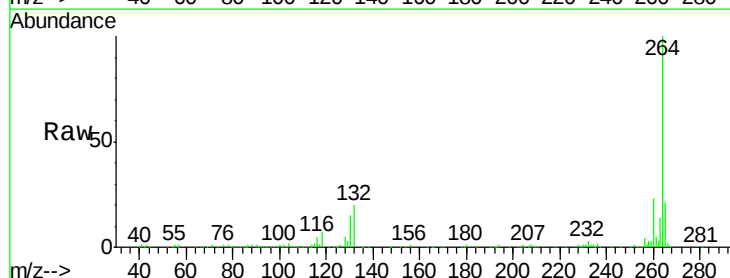
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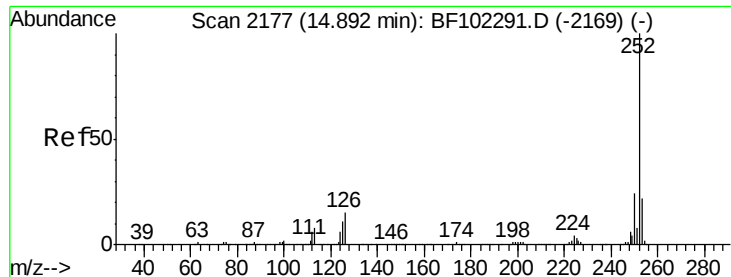
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.7	17.5	26.3





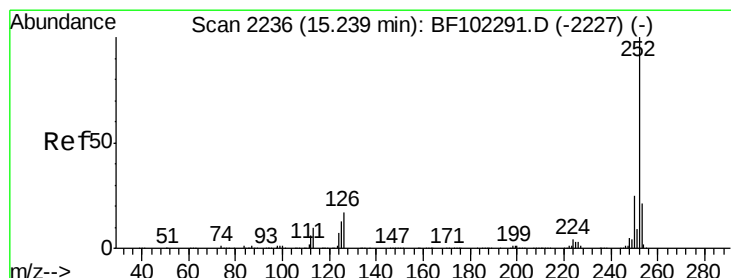
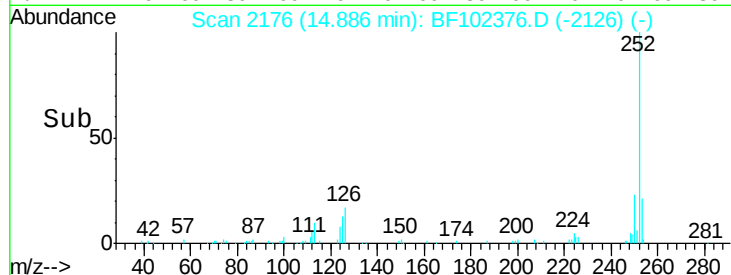
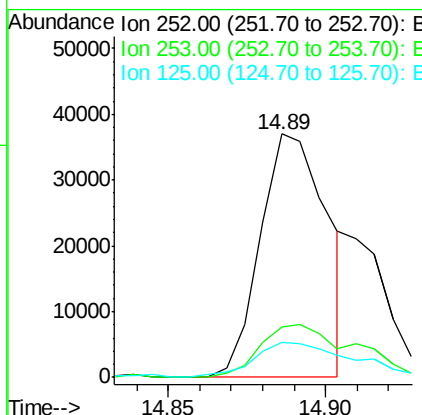
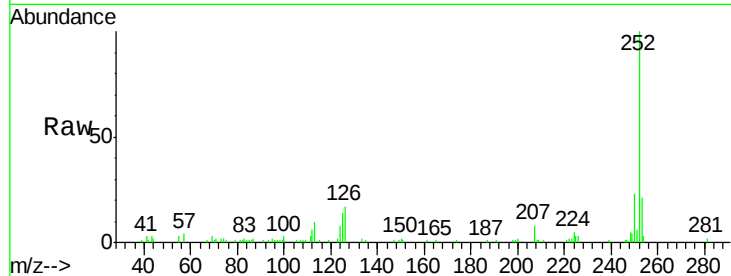
#87
Benzo(b)fluoranthene
Concen: 3.421 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-01DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.0	25.6
125	14.3	9.0	13.6

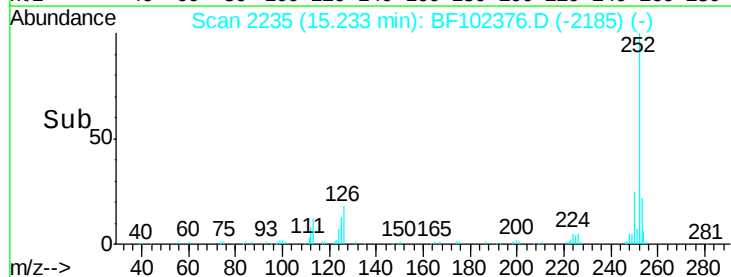
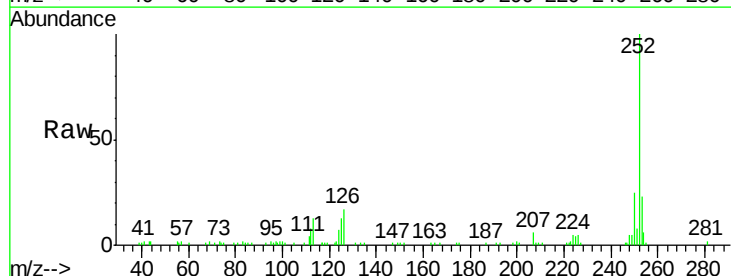
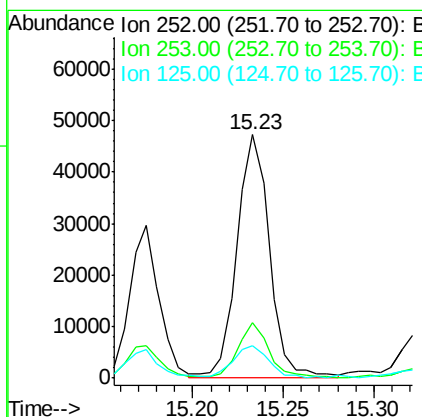
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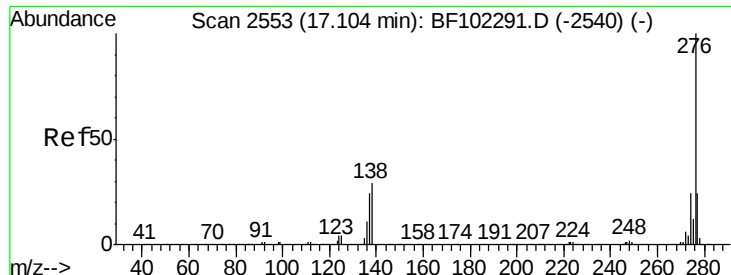
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#89
Benzo(a)pyrene
Concen: 4.105 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102376.D
Acq: 24 Jan 2018 7:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	13.4	9.8	14.6





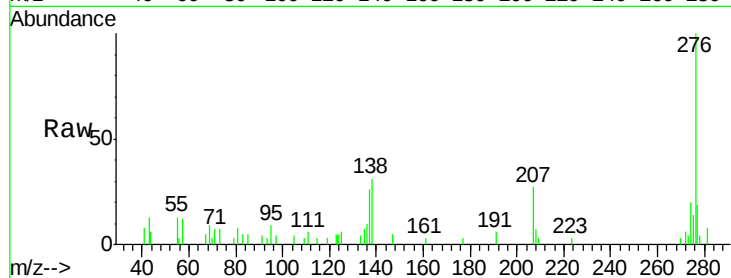
#91
 Benzo(g,h,i)perylene
 Concen: 2.212 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF102376.D
 Acq: 24 Jan 2018 7:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-01DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	18.8	17.9	26.9
138	31.2	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

