

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF012318\
 Data File : BF102386.D
 Acq On : 24 Jan 2018 12:26
 Operator : SJ/JU
 Sample : J1214-02DL2 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL2

Manual Integrations
 APPROVED

Sohil
 1/24/2018 2:47:45 PM

Quant Time: Jan 24 13:31:13 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	6.71	152	133148	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	545677	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	231035	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	334840	20.00	ng	0.00
75) Chrysene-d12	13.87	240	237519	20.00	ng	0.00
86) Perylene-d12	15.29	264	243700	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	48848	5.56	ng	0.00
7) Phenol-d6	6.35	99	60520	5.72	ng	0.00
23) Nitrobenzene-d5	7.27	82	33556	3.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	8450	3.69	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	41296	2.63	ng	-0.01
78) Terphenyl-d14	12.82	244	25885	2.46	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.02	128	464162	17.037	ng	100
37) 2-Methylnaphthalene	8.71	142	93717	5.165	ng	97
45) 1,1'-Biphenyl	9.17	154	65928	3.191	ng	98
48) Acenaphthylene	9.61	152	274146	10.959	ng	99
51) Acenaphthene	9.78	154	60798	4.161	ng	99
57) Fluorene	10.29	166	210138	13.412	ng	99
70) Phenanthrene	11.26	178	1055694	54.105	ng	98
71) Anthracene	11.31	178	298635	14.995	ng	99
74) Fluoranthene	12.45	202	477905	24.019	ng	98
77) Pyrene	12.67	202	614137	33.442	ng	99
80) Benzo(a)anthracene	13.86	228	155137m	10.609	ng	
82) Chrysene	13.90	228	151662	10.213	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	50697	4.134	ng	99
87) Benzo(b)fluoranthene	14.89	252	134379m	8.507	ng	
88) Benzo(k)fluoranthene	14.91	252	39131m	2.622	ng	
89) Benzo(a)pyrene	15.23	252	132654	9.312	ng	99
91) Benzo(g,h,i)perylene	17.09	276	59178	5.194	ng	97

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

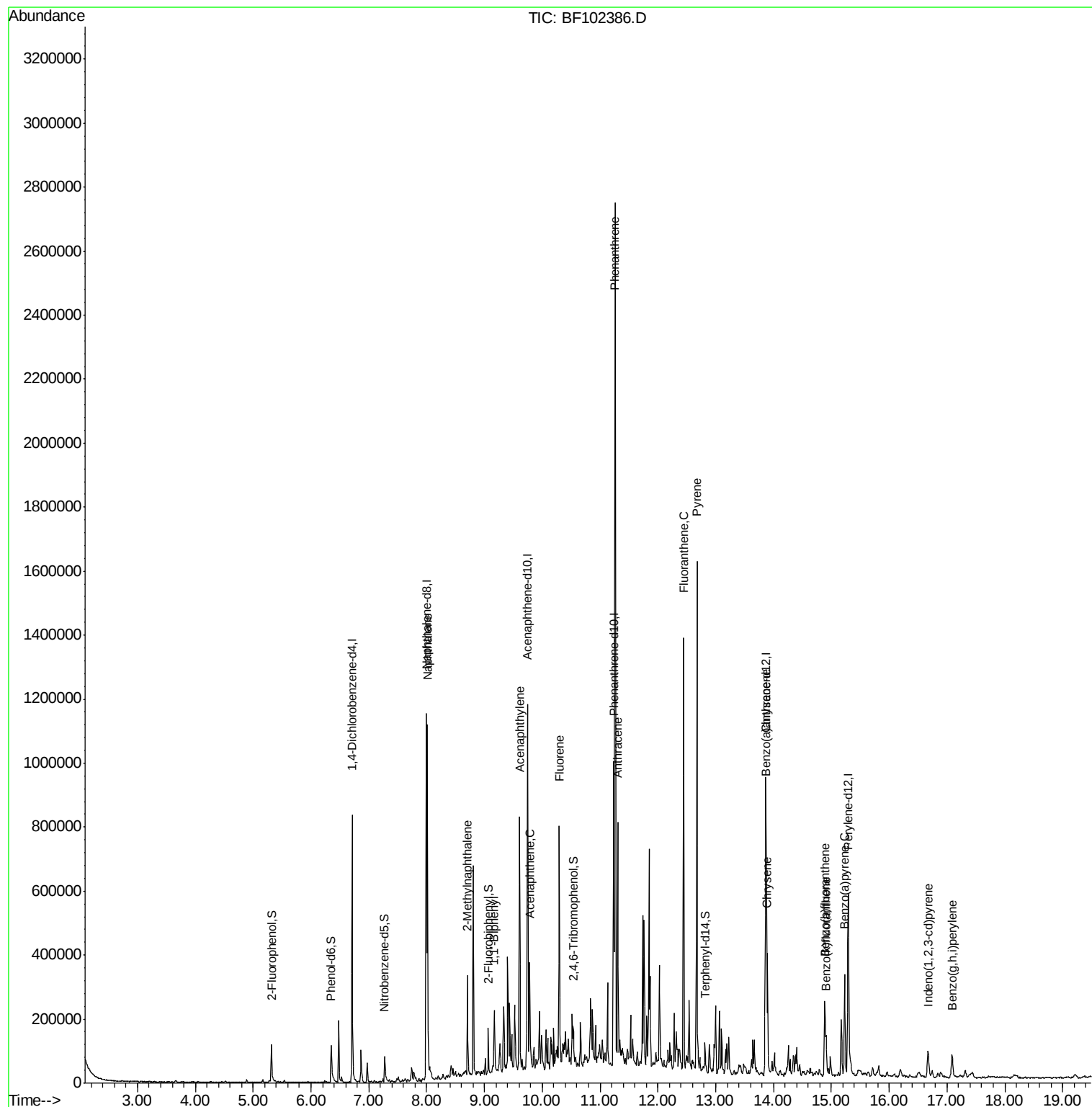
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF012318\
Data File : BF102386.D
Acq On : 24 Jan 2018 12:26
Operator : SJ/JU
Sample : J1214-02DL2 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

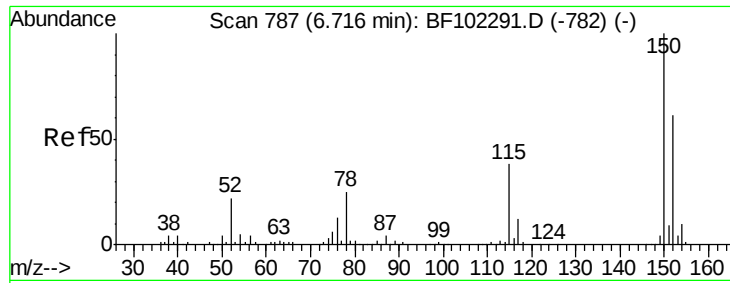
Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL2

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM

Quant Time: Jan 24 13:31:13 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





#1

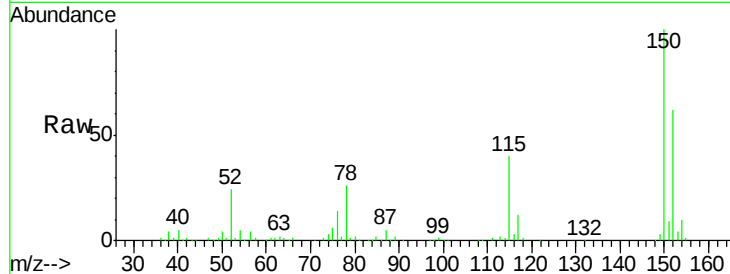
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL2

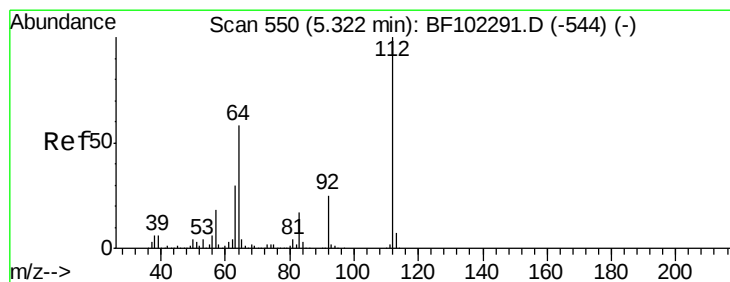
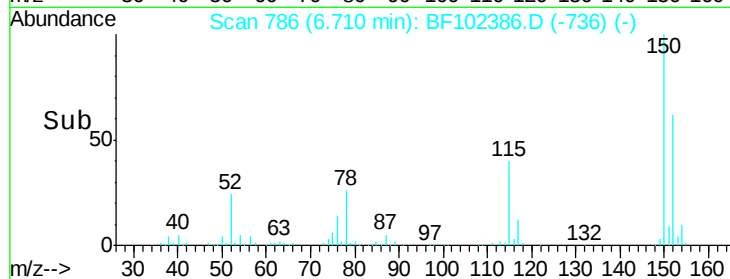
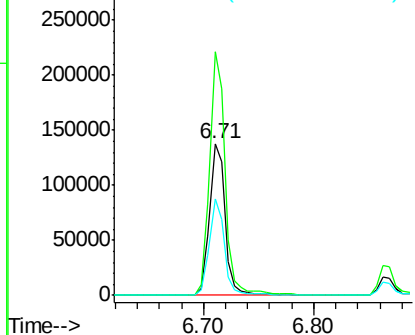
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	63.8	50.1	75.1

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM



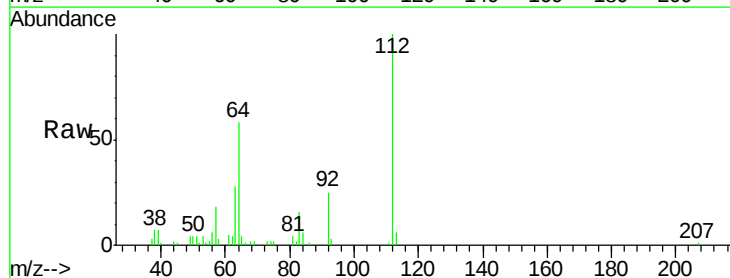
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



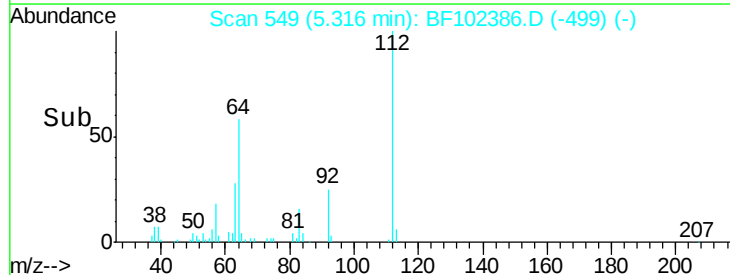
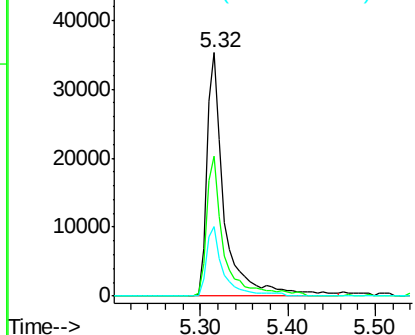
#5

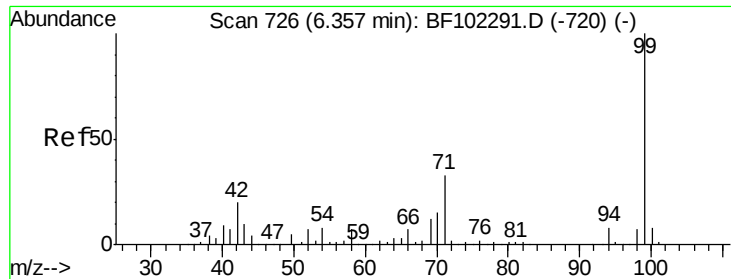
2-Fluorophenol
Concen: 5.563 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	28.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 5.717 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102386.D

Acq: 24 Jan 2018 12:26

Instrument :

BNA_F

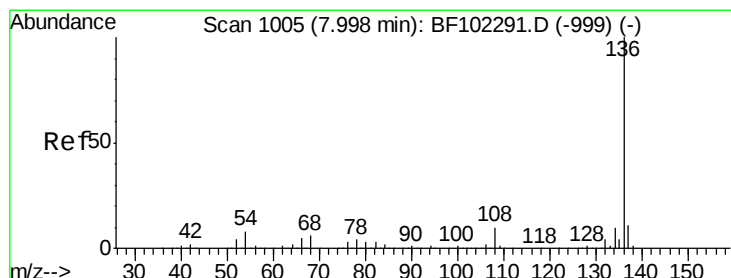
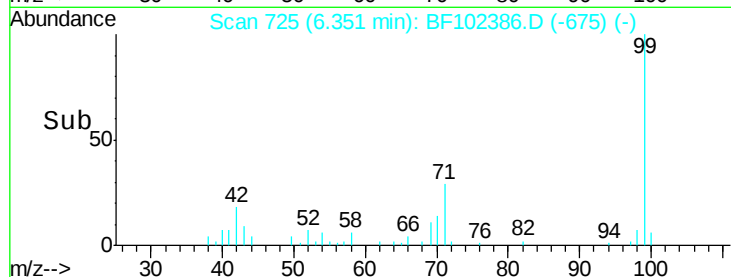
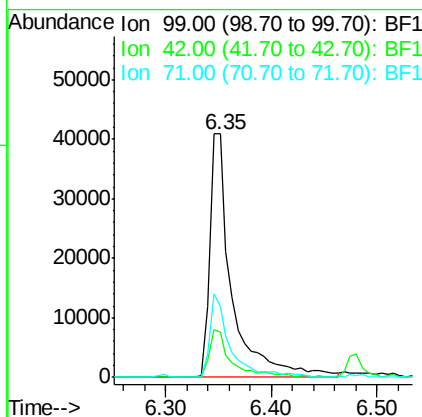
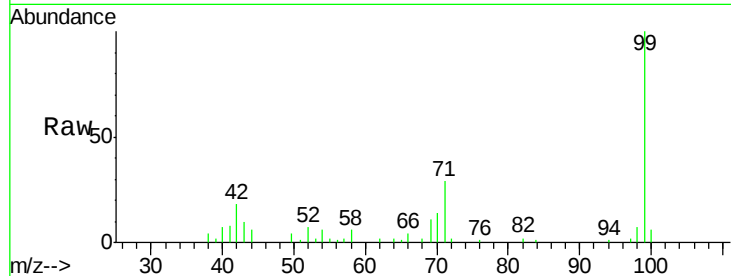
ClientSampleId :

WC-PH3-MGP-02DL2

Tgt Ion:	99	Resp:	60520
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	29.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM



#21

Naphthalene-d8

Concen: 20.000 ng

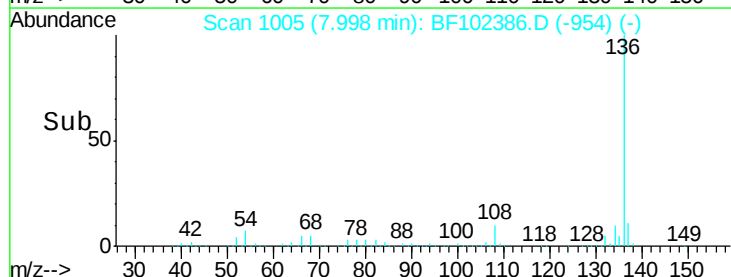
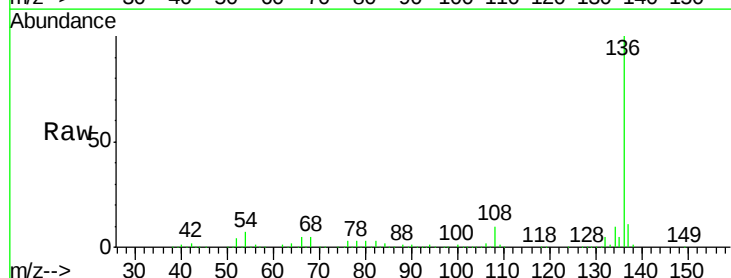
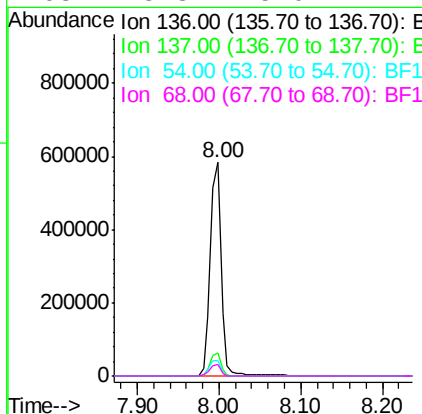
RT: 8.00 min Scan# 1005

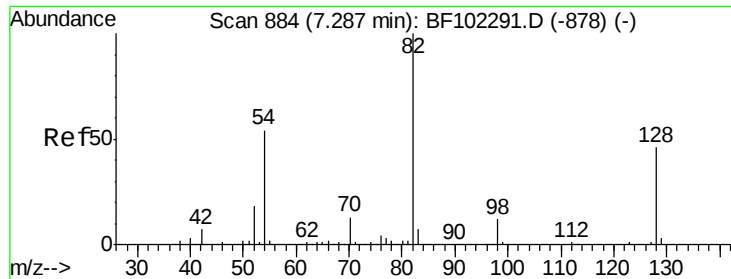
Delta R.T. -0.00 min

Lab File: BF102386.D

Acq: 24 Jan 2018 12:26

Tgt Ion:	136	Resp:	545677
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.6	9.8
68	5.3	5.0	7.4





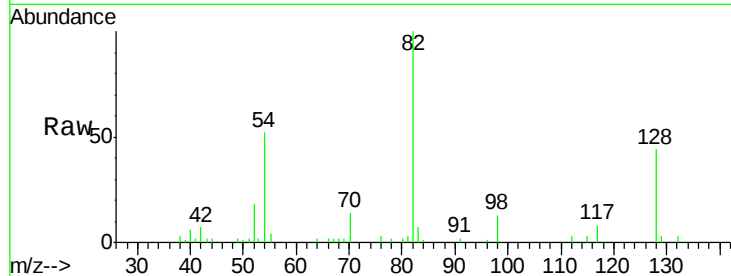
#23
Nitrobenzene-d5
Concen: 3.534 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL2

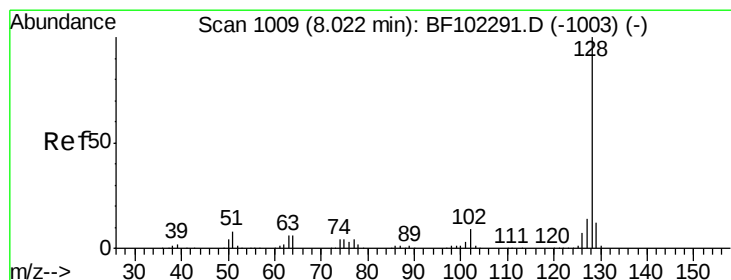
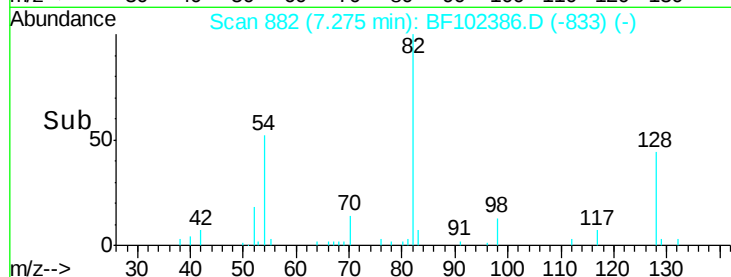
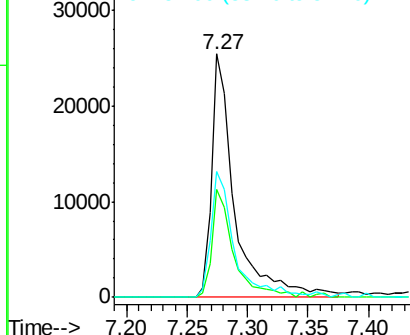
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	51.8	41.4	62.2

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM

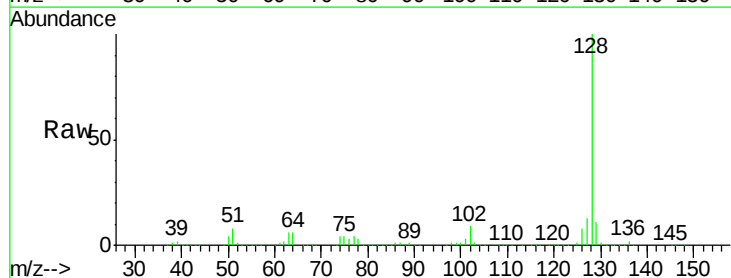


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

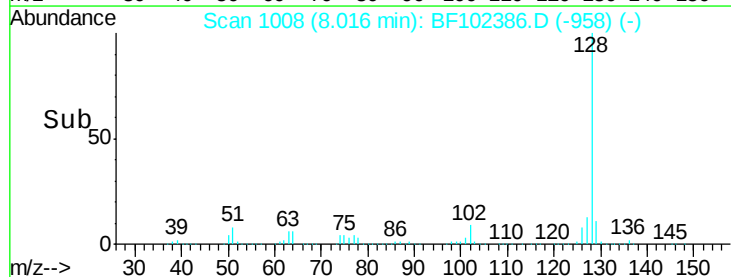
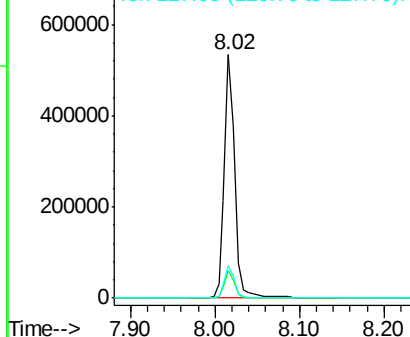


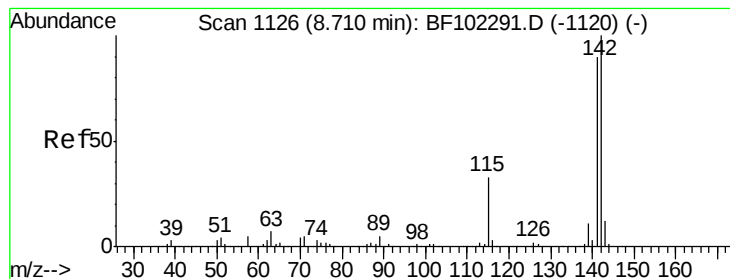
#31
Naphthalene
Concen: 17.037 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





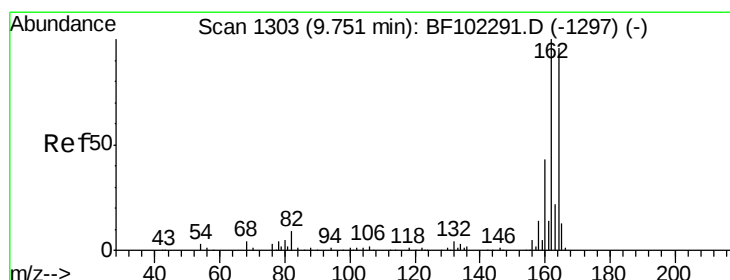
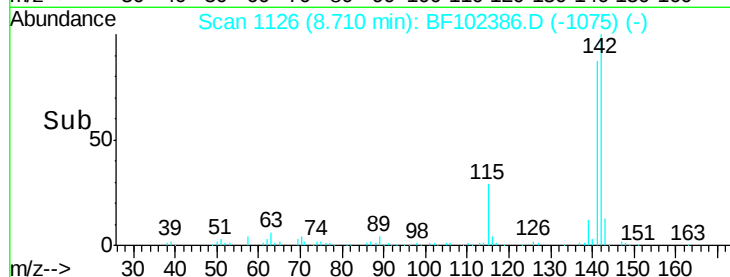
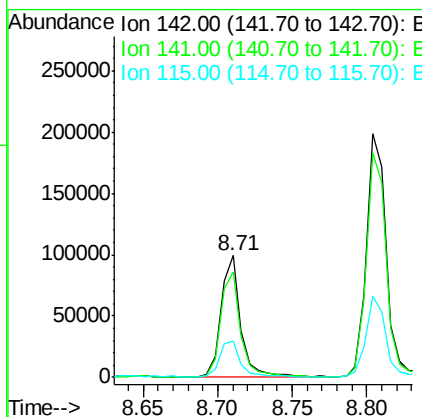
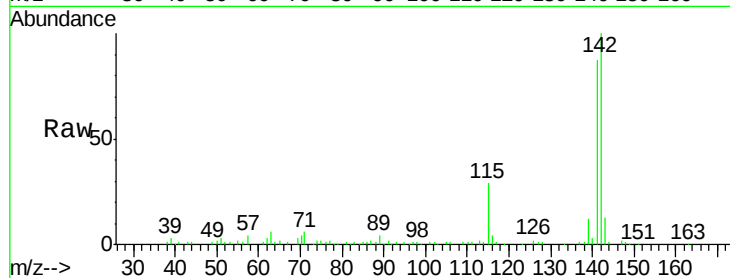
#37
 2-Methylnaphthalene
 Concen: 5.165 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.8	106.2
115	29.3	26.1	39.1

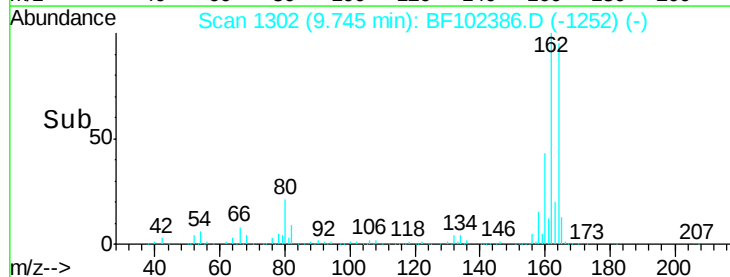
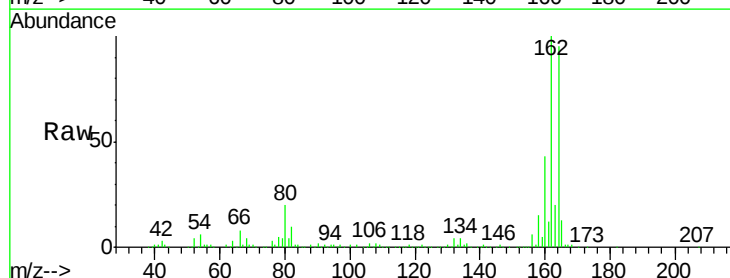
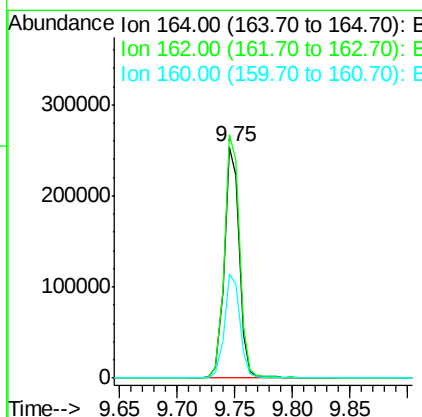
Manual Integrations
 APPROVED

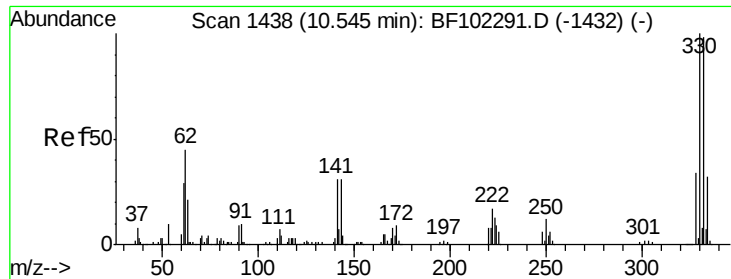
Sohil
 1/24/2018 2:47:45 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	45.3	38.3	57.5





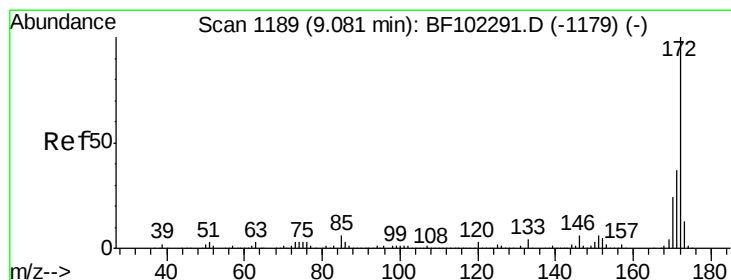
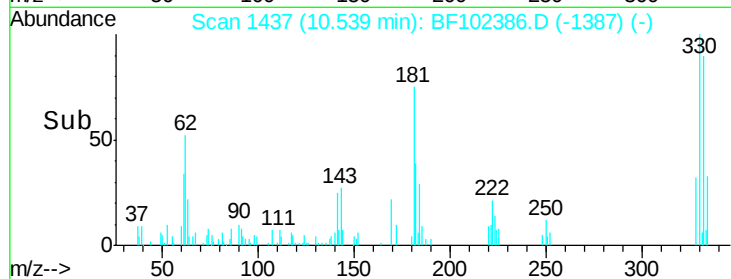
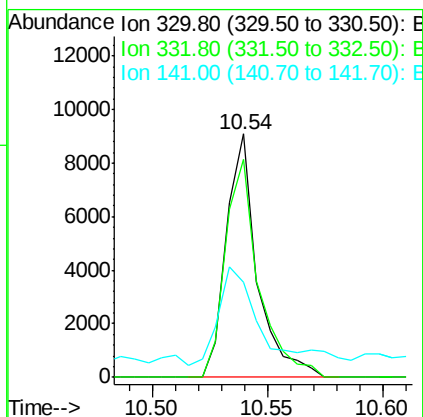
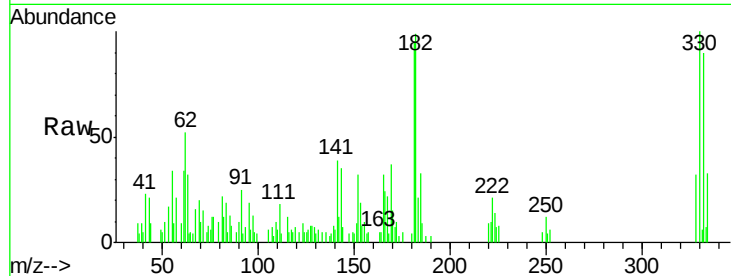
#41
 2,4,6-Tribromophenol
 Concen: 3.691 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	54.9	29.9	44.9

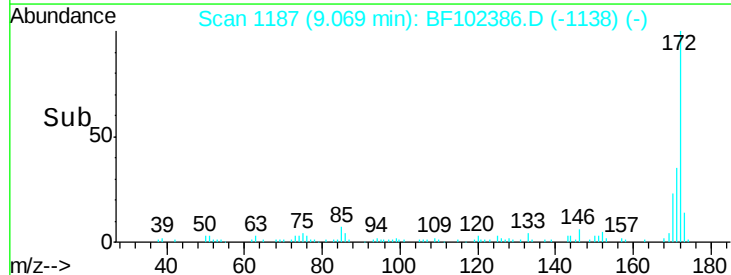
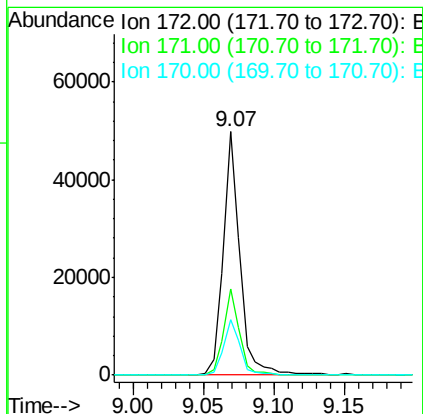
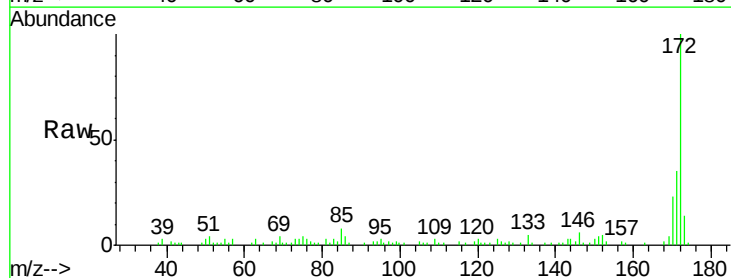
Manual Integrations
 APPROVED

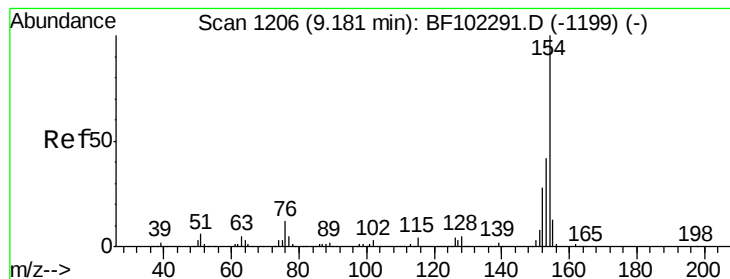
Sohil
 1/24/2018 2:47:45 PM



#44
 2-Fluorobiphenyl
 Concen: 2.628 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.0	19.6	29.4





#45

1,1'-Biphenyl

Concen: 3.191 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF102386.D

Acq: 24 Jan 2018 12:26

Instrument :

BNA_F

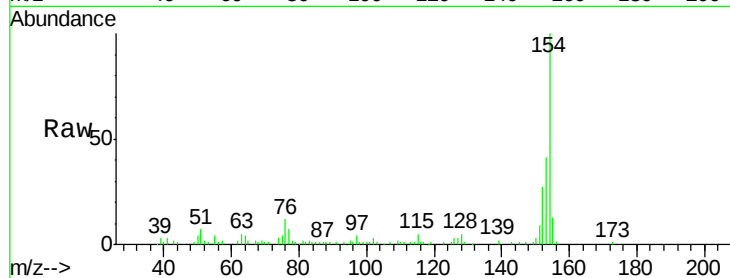
ClientSampleId :

WC-PH3-MGP-02DL2

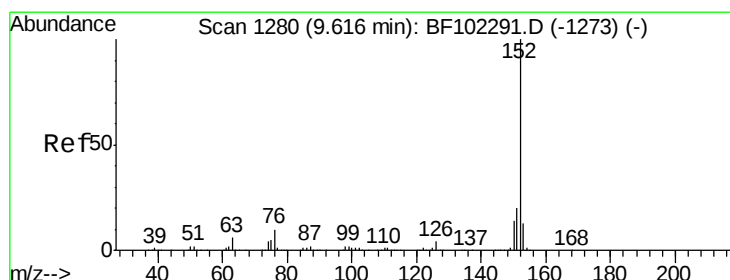
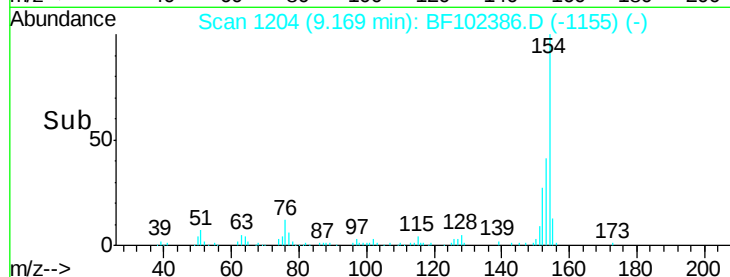
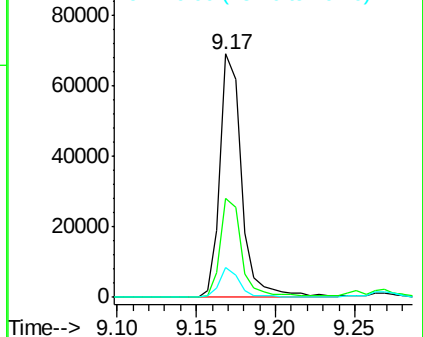
Tgt Ion:	154	Resp:	65928
Ion Ratio	Lower	Upper	
154	100		
153	40.6	21.3	61.3
76	12.3	0.0	34.0

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 10.959 ng

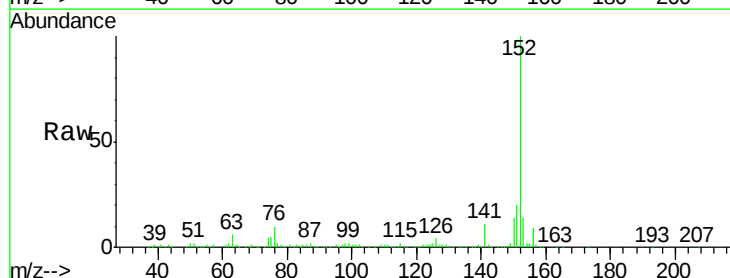
RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

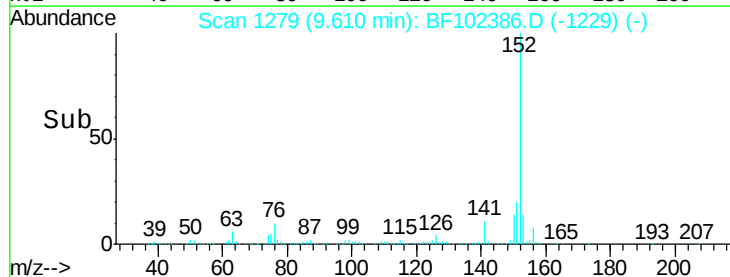
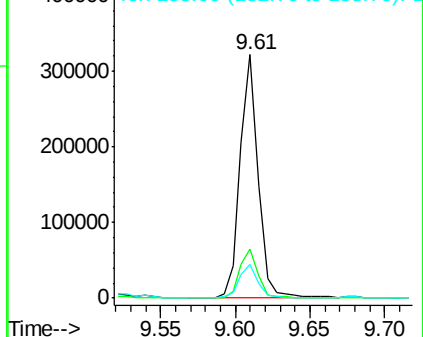
Lab File: BF102386.D

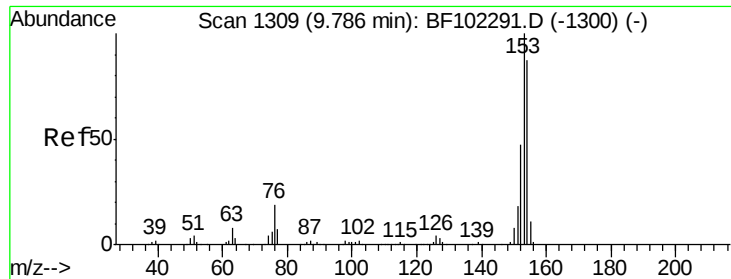
Acq: 24 Jan 2018 12:26

Tgt Ion:	152	Resp:	274146
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.3	24.5
153	13.9	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 4.161 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102386.D

Acq: 24 Jan 2018 12:26

Instrument :

BNA_F

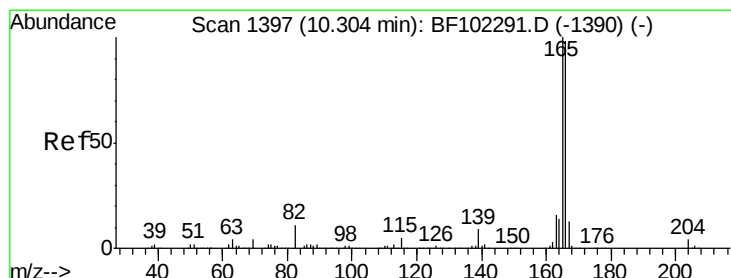
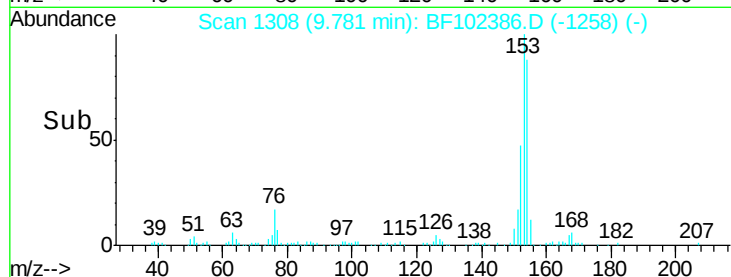
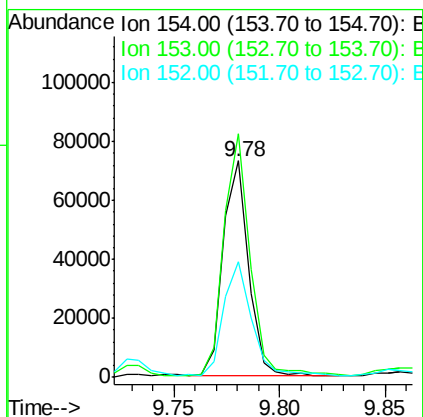
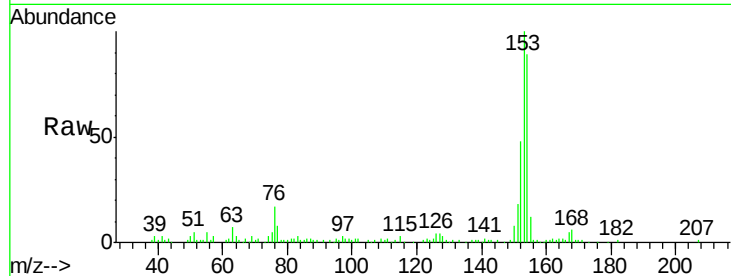
ClientSampleId :

WC-PH3-MGP-02DL2

Tgt Ion:	154	Resp:	60798
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.2	136.8
152	53.7	43.8	65.8

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM



#57

Fluorene

Concen: 13.412 ng

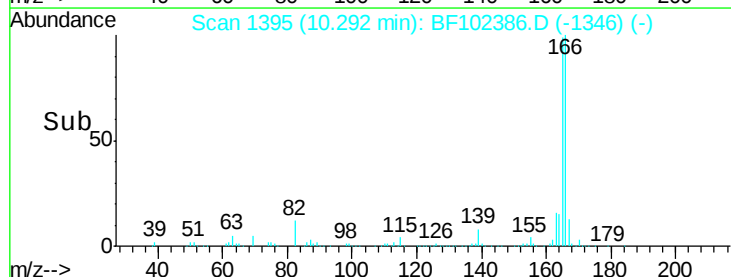
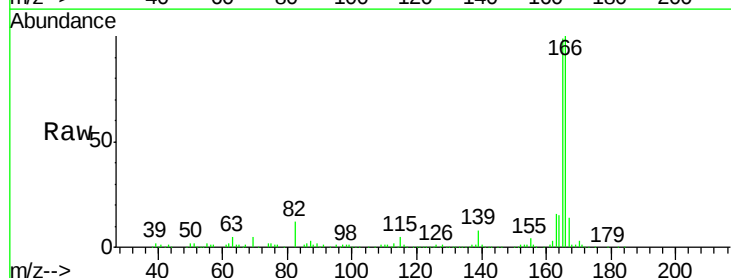
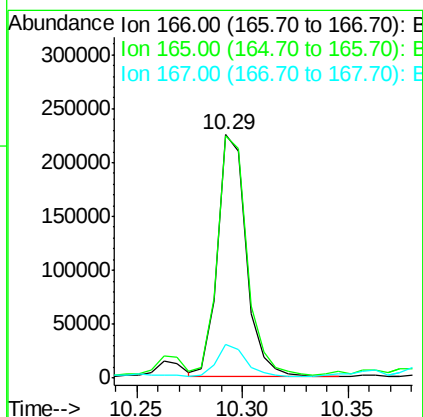
RT: 10.29 min Scan# 1395

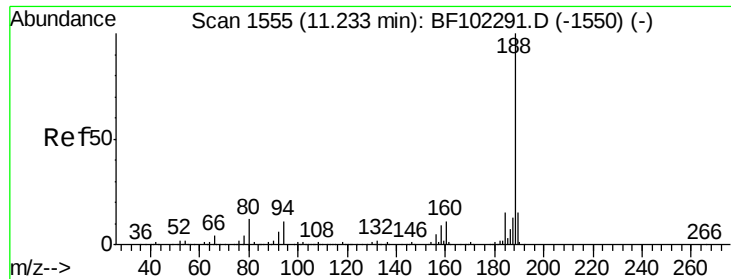
Delta R.T. -0.01 min

Lab File: BF102386.D

Acq: 24 Jan 2018 12:26

Tgt Ion:	166	Resp:	210138
Ion Ratio	Lower	Upper	
166	100		
165	99.4	79.8	119.8
167	14.0	10.6	16.0





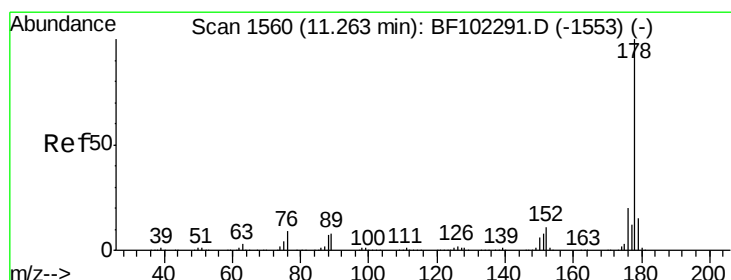
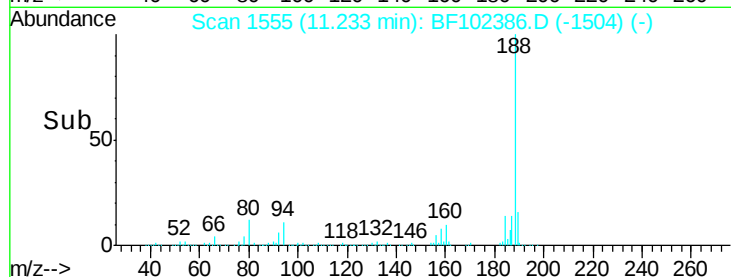
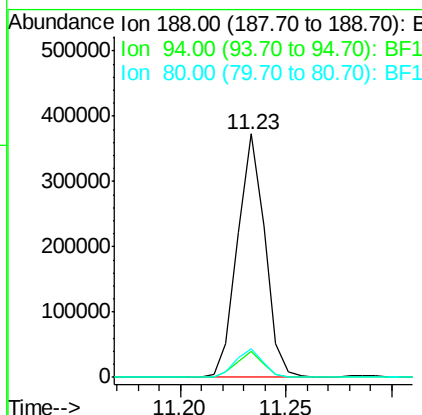
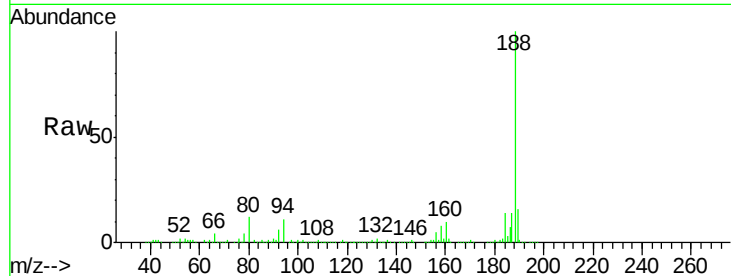
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	334840		
94	10.7	8.5	12.7	
80	11.5	9.2	13.8	

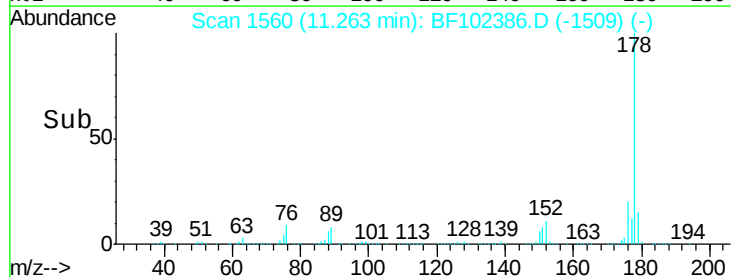
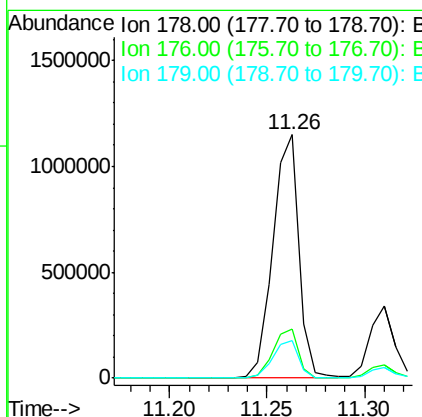
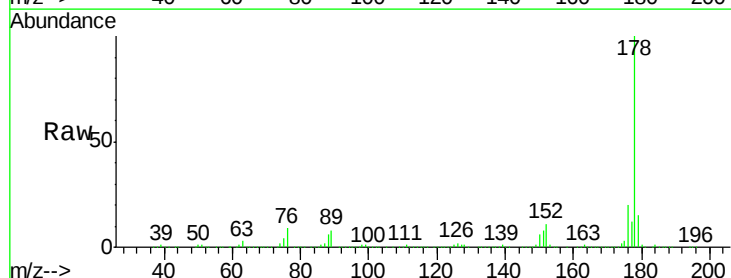
Manual Integrations
APPROVED

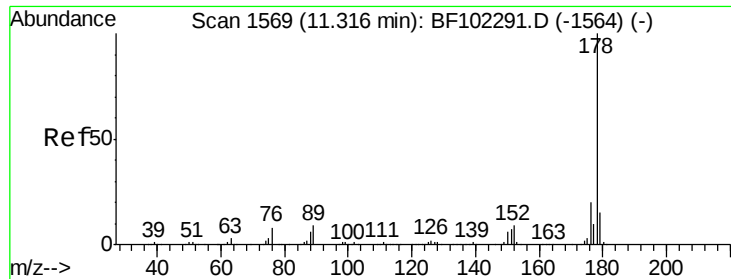
Sohil
1/24/2018 2:47:45 PM



#70
Phenanthrene
Concen: 54.105 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1055694		
176	20.2	15.8	23.8	
179	15.2	13.0	19.6	





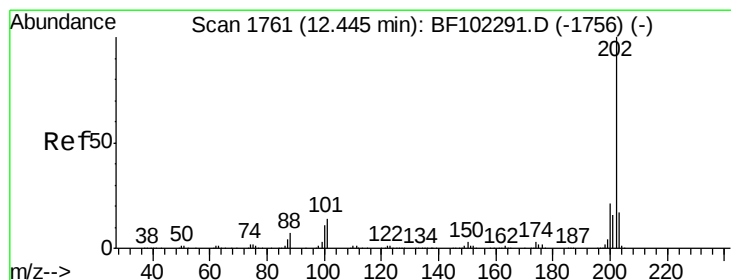
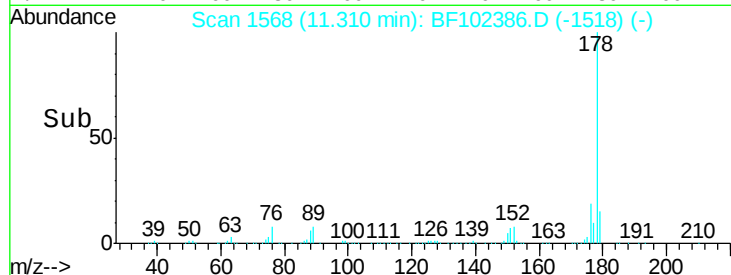
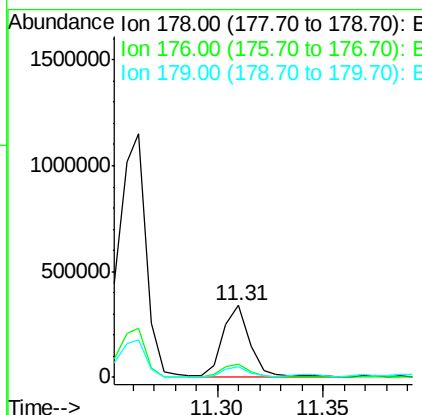
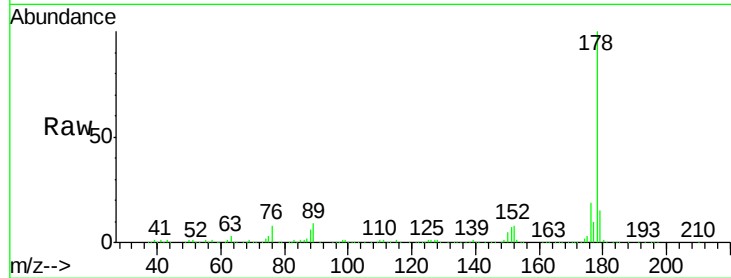
#71
 Anthracene
 Concen: 14.995 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.3	12.6	19.0

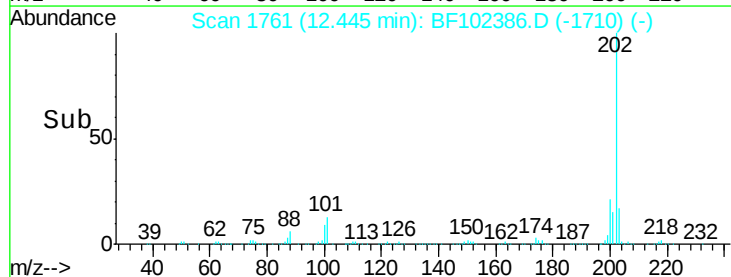
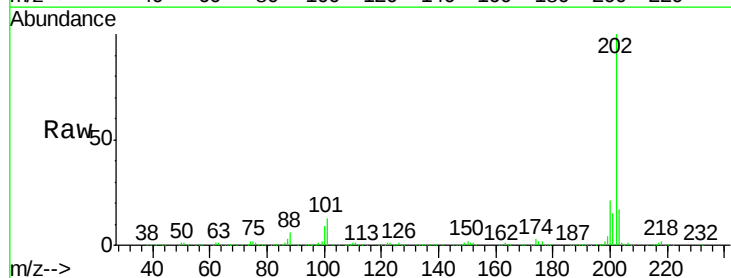
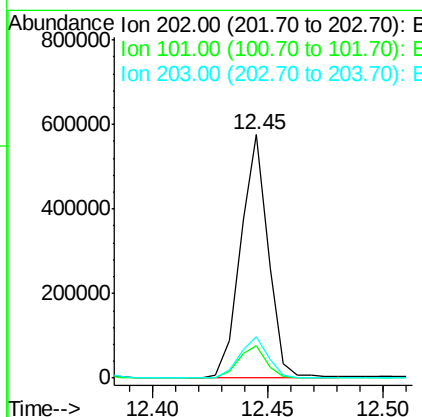
Manual Integrations
 APPROVED

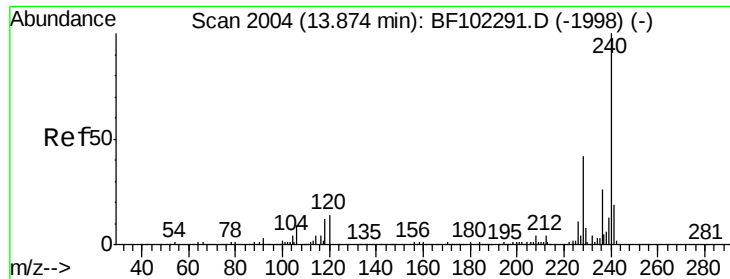
Sohil
 1/24/2018 2:47:45 PM



#74
 Fluoranthene
 Concen: 24.019 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.2	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: BF102386.D

Acq: 24 Jan 2018 12:26

Instrument :

BNA_F

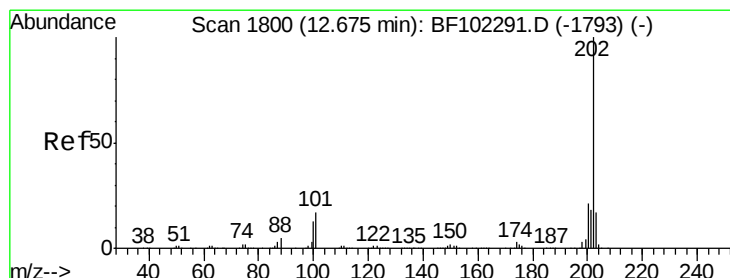
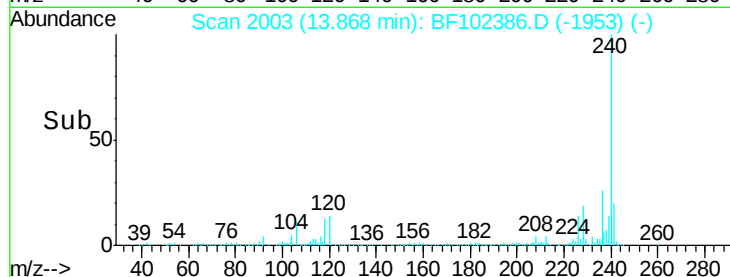
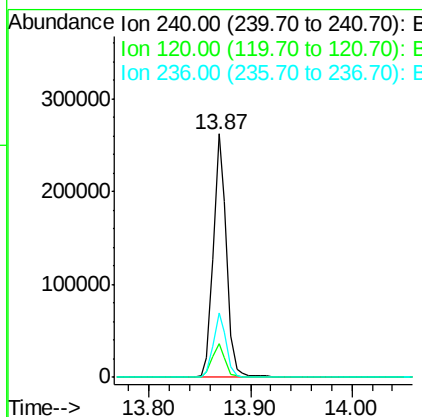
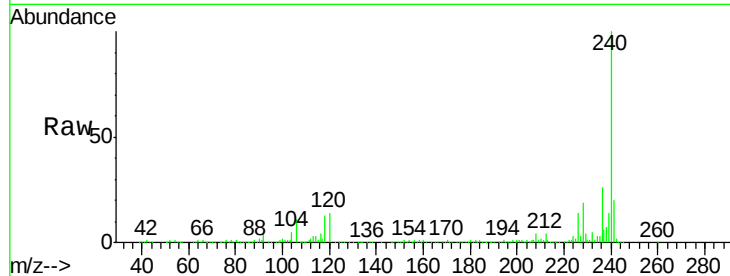
ClientSampleId :

WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	237519		
120	14.1	9.5	14.3	
236	26.2	20.7	31.1	

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM



#77

Pyrene

Concen: 33.442 ng

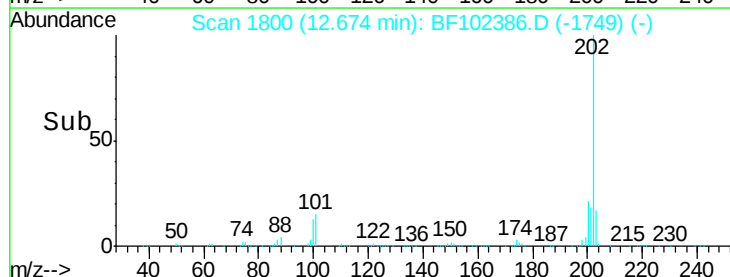
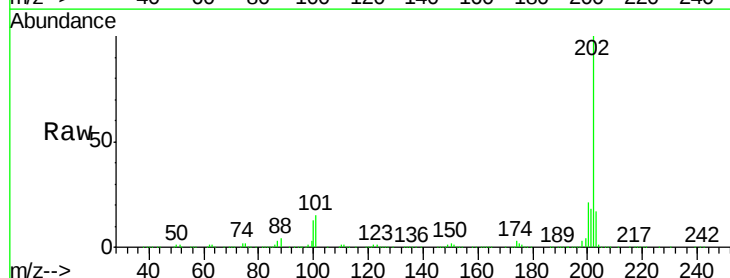
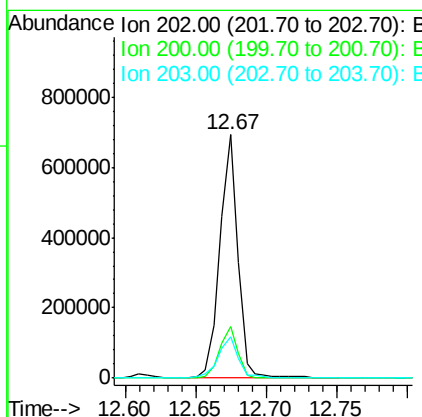
RT: 12.67 min Scan# 1800

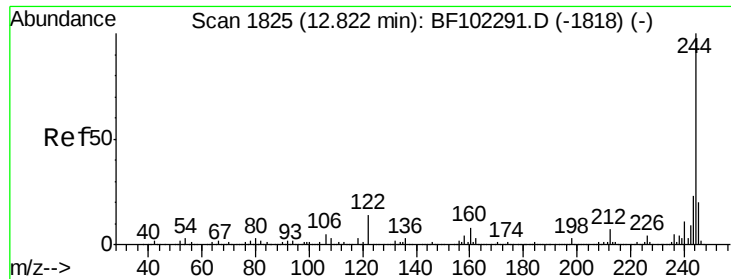
Delta R.T. -0.00 min

Lab File: BF102386.D

Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	614137		
200	21.4	17.4	26.2	
203	17.2	14.3	21.5	





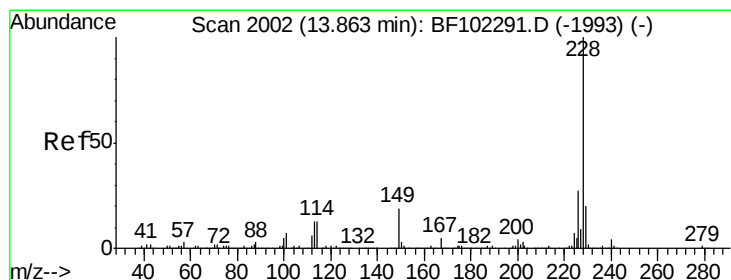
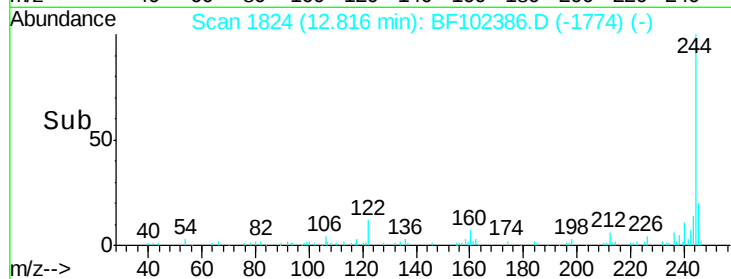
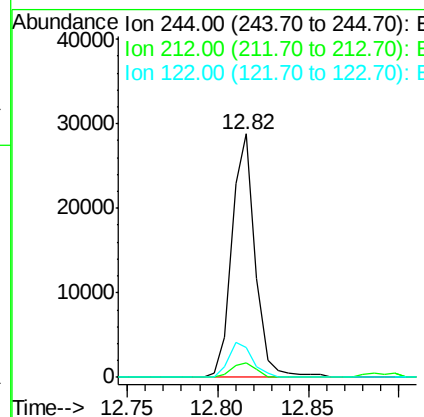
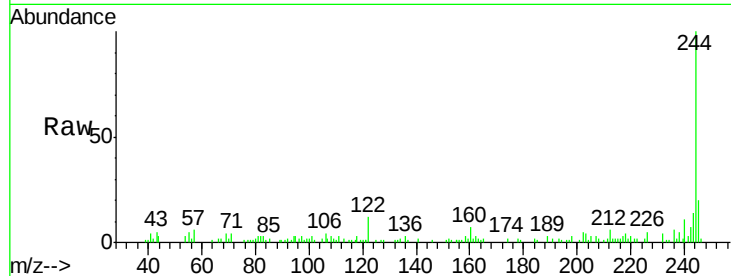
#78
 Terphenyl-d14
 Concen: 2.457 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.1	5.4	8.0
122	12.4	11.0	16.4

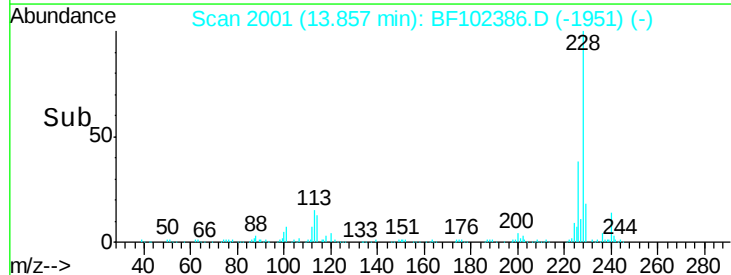
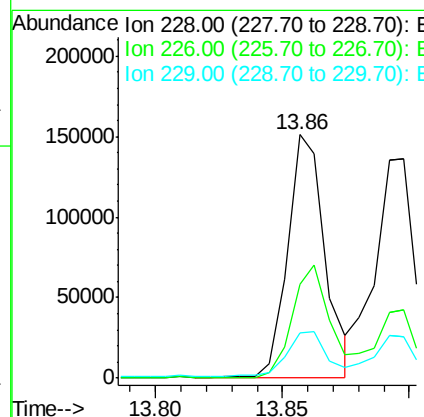
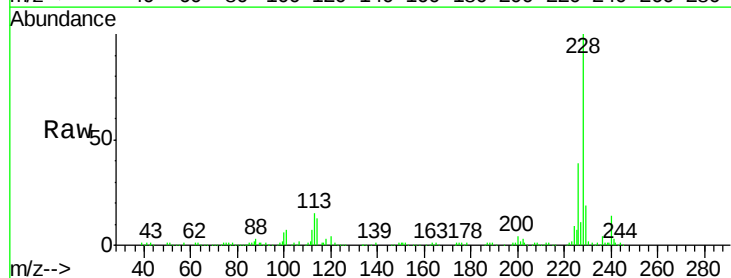
Manual Integrations
 APPROVED

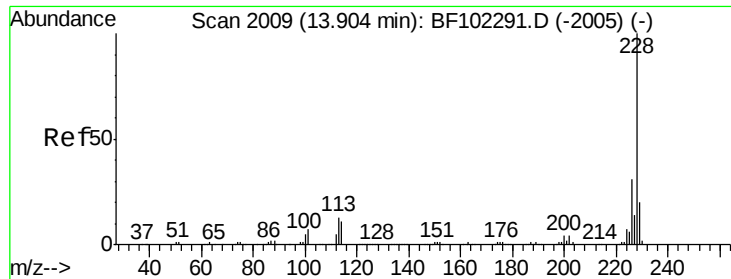
Sohil
 1/24/2018 2:47:45 PM



#80
 Benzo(a)anthracene
 Concen: 10.609 ng m
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	38.8	22.6	33.8#
229	18.8	15.8	23.6





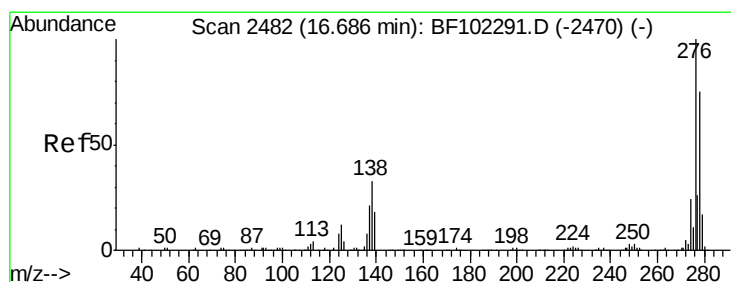
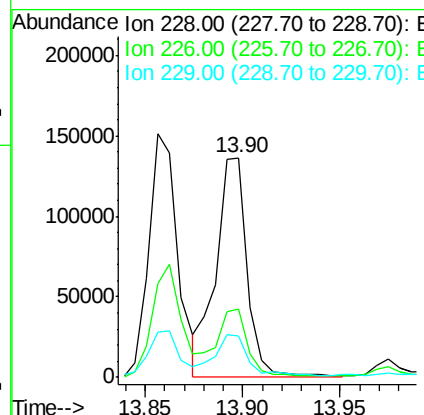
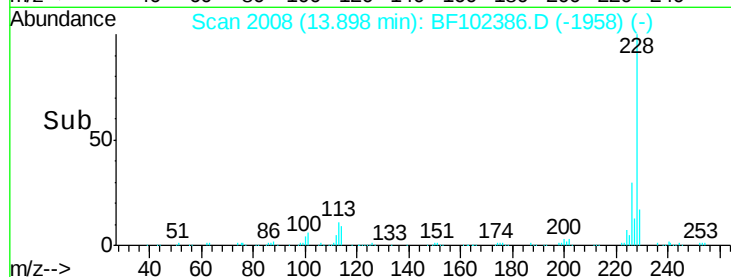
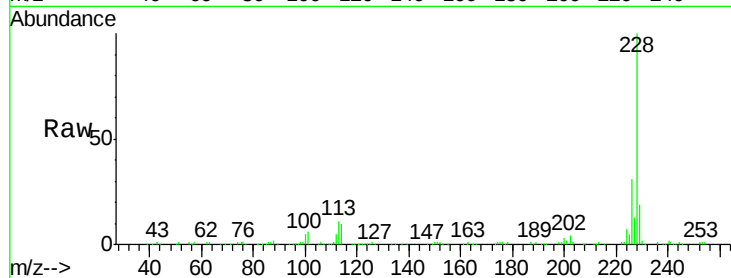
#82
Chrysene
Concen: 10.213 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL2

Tgt Ion: 228 Resp: 151662
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 18.8 16.2 24.4

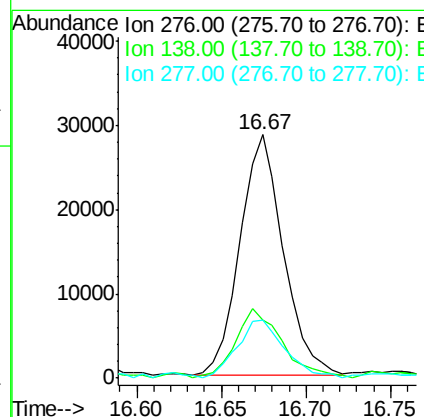
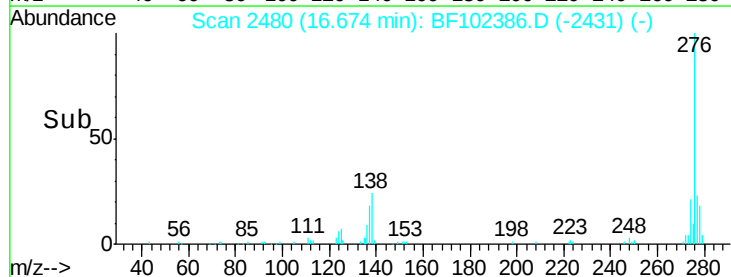
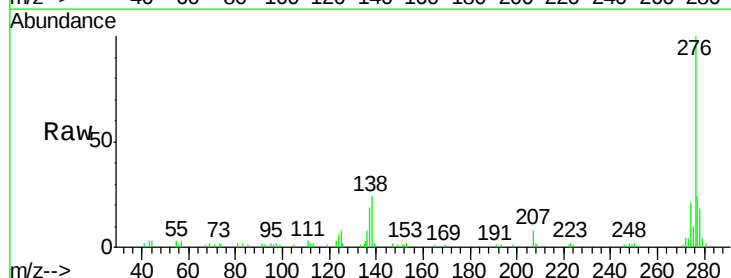
Manual Integrations
APPROVED

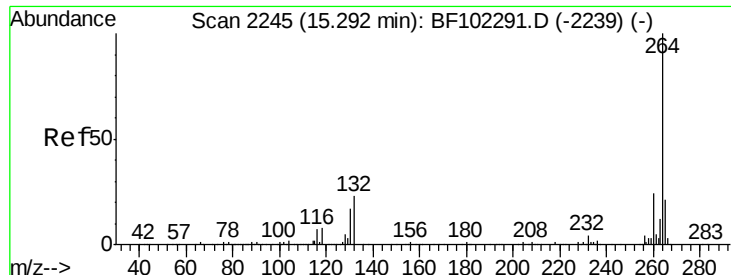
Sohil
1/24/2018 2:47:45 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.134 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Tgt Ion: 276 Resp: 50697
Ion Ratio Lower Upper
276 100
138 31.2 25.0 37.6
277 26.5 20.1 30.1





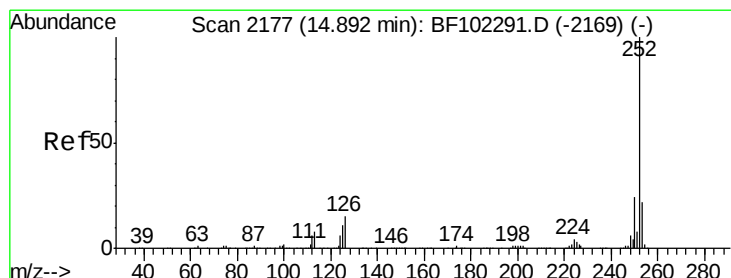
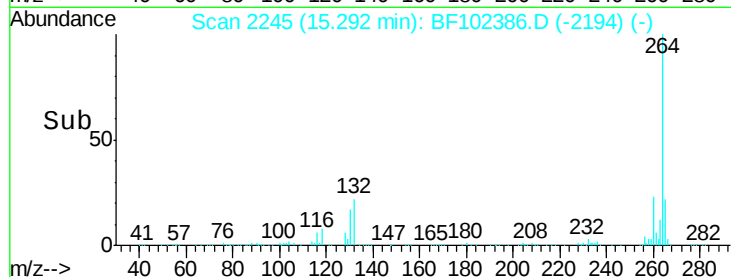
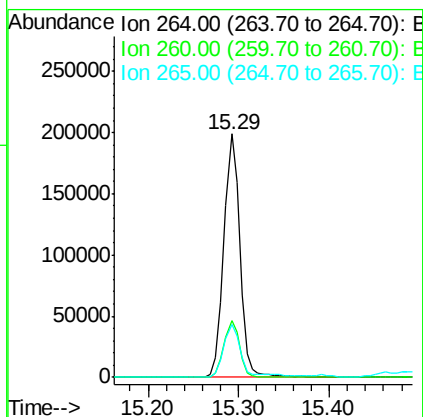
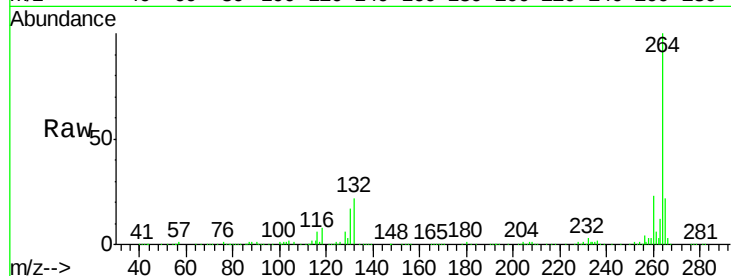
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Instrument :
BNA_F
ClientSampleID :
WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.5	26.3

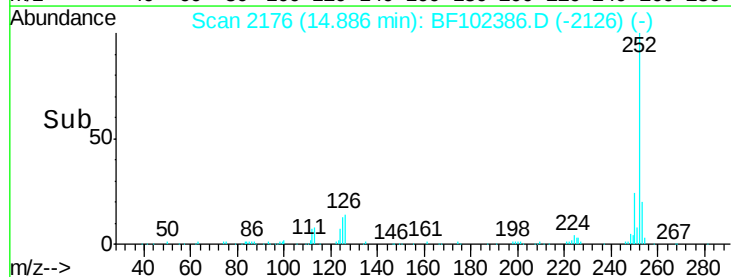
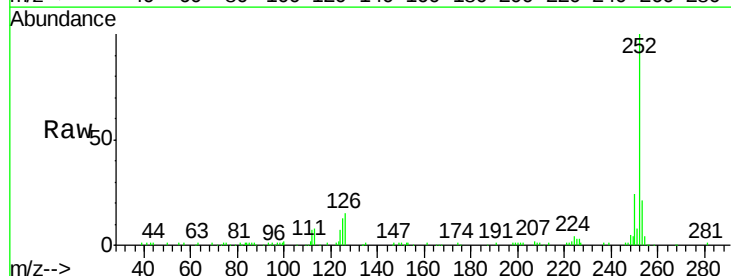
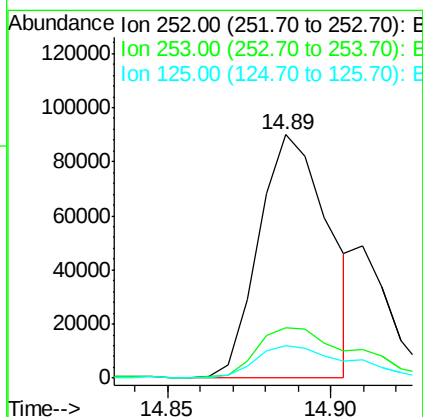
Manual Integrations
APPROVED

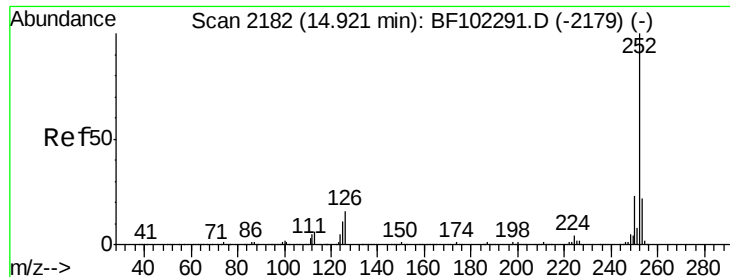
Sohil
1/24/2018 2:47:45 PM



#87
Benzo(b)fluoranthene
Concen: 8.507 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.0	25.6
125	13.1	9.0	13.6





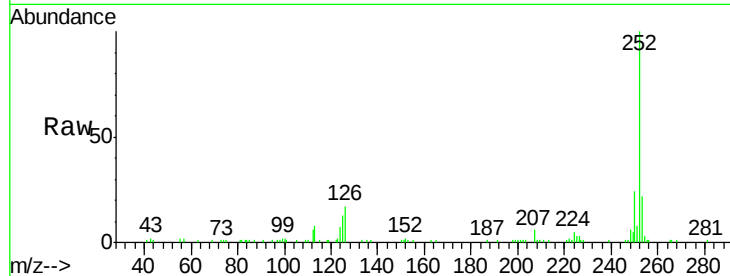
#88
Benzo(k)fluoranthene
Concen: 2.622 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Instrument :
BNA_F
ClientSampleId :
WC-PH3-MGP-02DL2

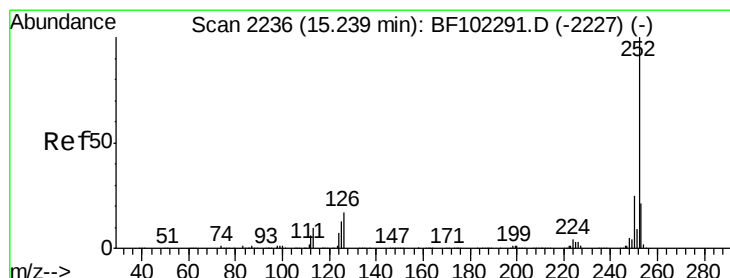
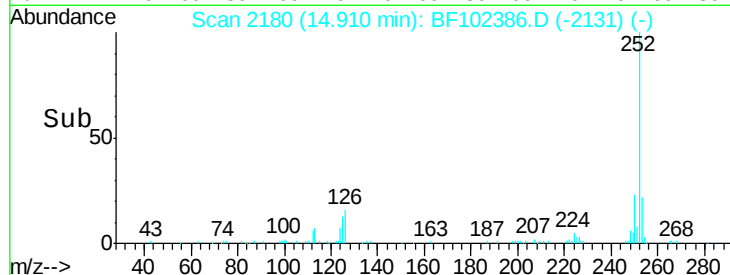
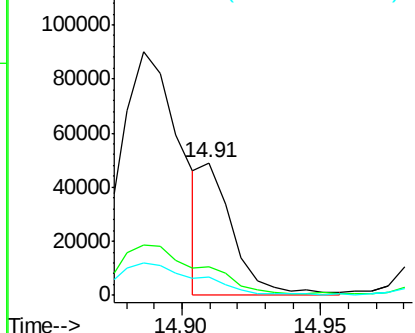
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.4	10.2	15.2

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:45 PM



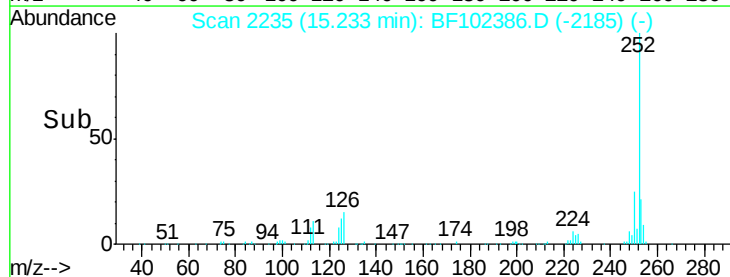
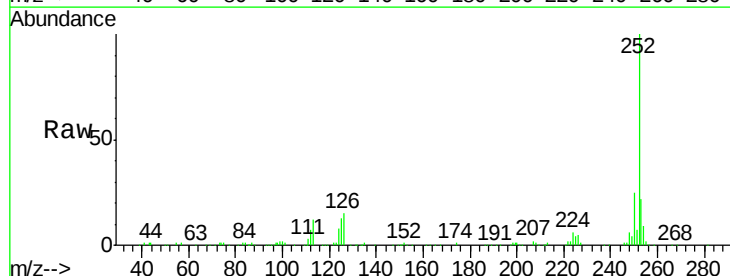
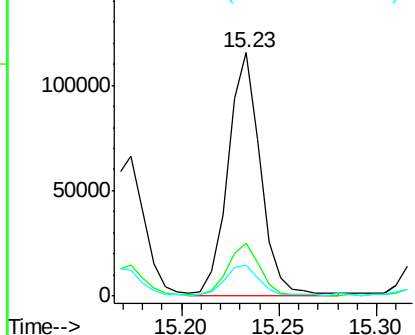
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

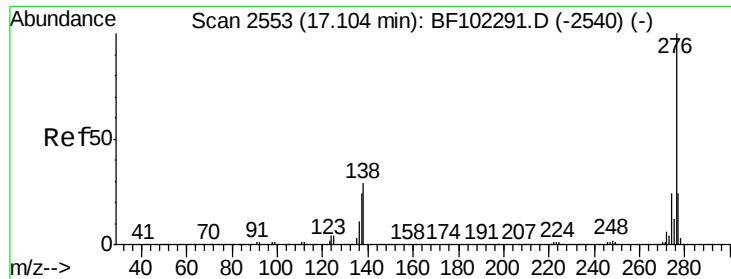


#89
Benzo(a)pyrene
Concen: 9.312 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF102386.D
Acq: 24 Jan 2018 12:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.1	25.7
125	12.6	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





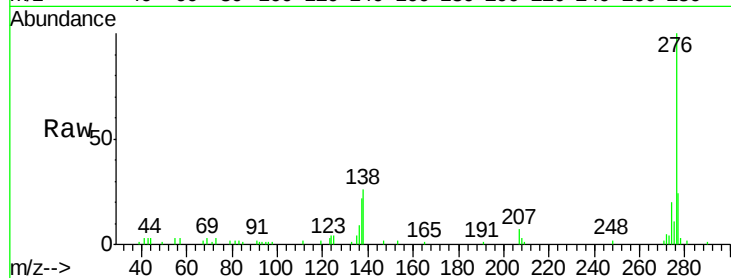
#91
 Benzo(g,h,i)perylene
 Concen: 5.194 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF102386.D
 Acq: 24 Jan 2018 12:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-PH3-MGP-02DL2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	26.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/24/2018 2:47:45 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

