

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102509.D
 Acq On : 27 Jan 2018 14:38
 Operator : SJ/JU
 Sample : J1018-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

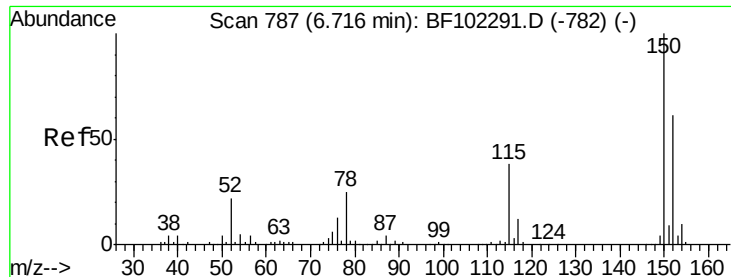
Manual Integrations
 APPROVED

Sohil
 1/29/2018 5:44:27 PM

Quant Time: Jan 27 21:32:23 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	170552	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	655095	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242866	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	323565	20.00	ng	0.00
75) Chrysene-d12	13.87	240	306126	20.00	ng	0.00
86) Perylene-d12	15.30	264	299077	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1173307	104.31	ng	0.00
7) Phenol-d6	6.36	99	1352285	99.72	ng	0.00
23) Nitrobenzene-d5	7.28	82	849114	74.49	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	181750	75.53	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1130734	68.46	ng	0.00
78) Terphenyl-d14	12.82	244	710180	52.30	ng	0.00
Target Compounds						
10) Phenol	6.37	94	50022	3.379	ng	Qvalue # 59
49) Dimethylphthalate	9.46	163	119156	5.936	ng	98
70) Phenanthrene	11.26	178	68241	3.619	ng	97
74) Fluoranthene	12.45	202	123664	6.432	ng	96
77) Pyrene	12.67	202	116953	4.941	ng	96
80) Benzo(a)anthracene	13.86	228	70960	3.765	ng	92
82) Chrysene	13.90	228	71978	3.761	ng	98
85) Indeno(1,2,3-cd)pyrene	16.69	276	32224	2.039	ng	98
87) Benzo(b)fluoranthene	14.89	252	97146m	5.011	ng	
89) Benzo(a)pyrene	15.24	252	66919	3.828	ng	# 86
91) Benzo(g,h,i)perylene	17.12	276	31268	2.236	ng	# 89

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



#1

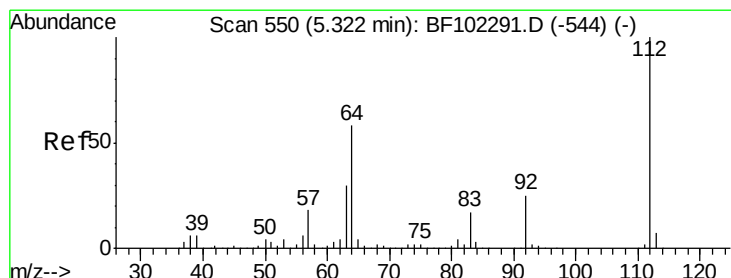
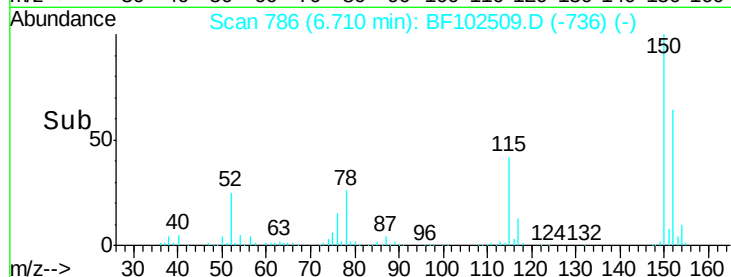
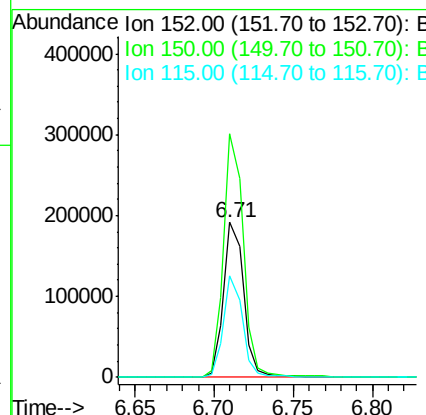
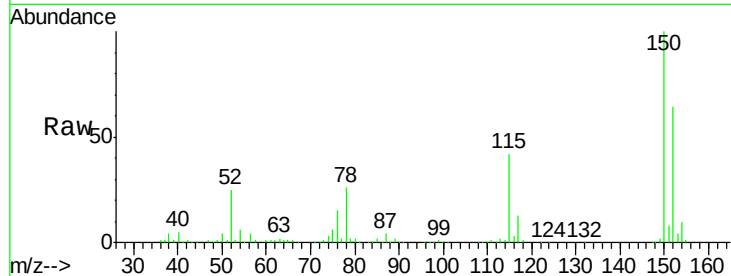
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	65.6	50.1	75.1

Manual Integrations
APPROVED

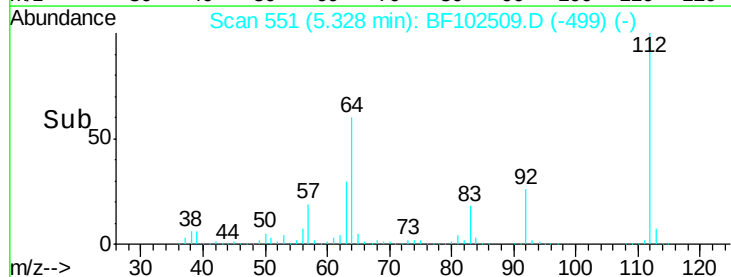
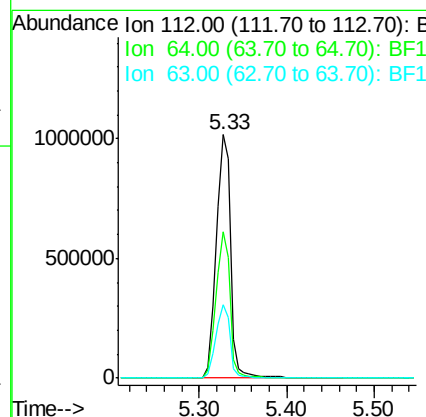
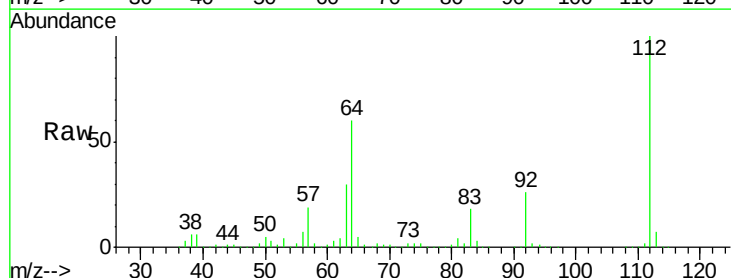
Sohil
1/29/2018 5:44:27 PM

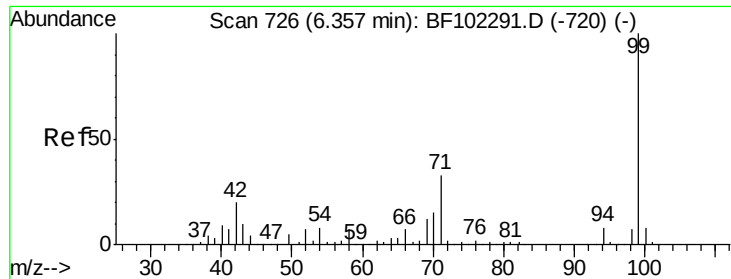


#5

2-Fluorophenol
Concen: 104.311 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 99.721 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

OR-03-012518

Tgt Ion: 99 Resp: 1352285

Ion Ratio Lower Upper

99 100

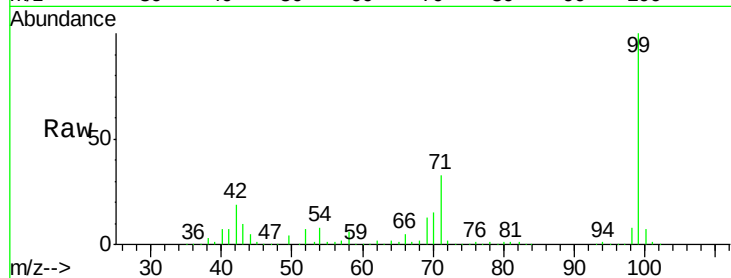
42 18.7 14.5 21.7

71 33.0 25.4 38.0

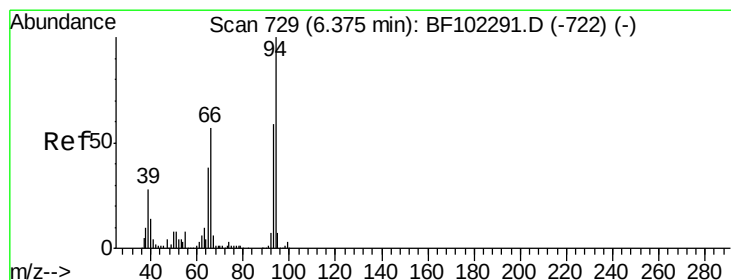
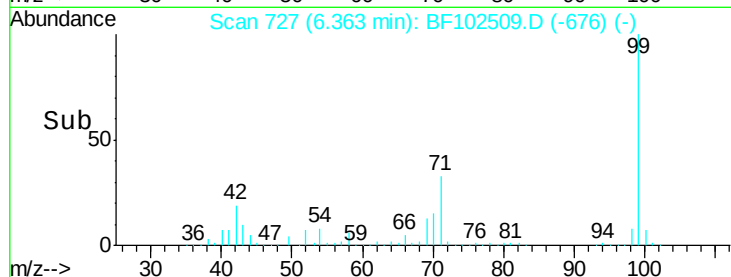
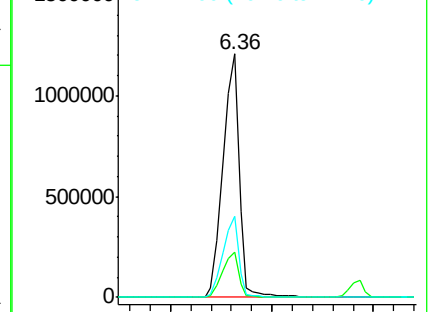
Manual Integrations
APPROVED

Sohil

1/29/2018 5:44:27 PM



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: 3.379 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

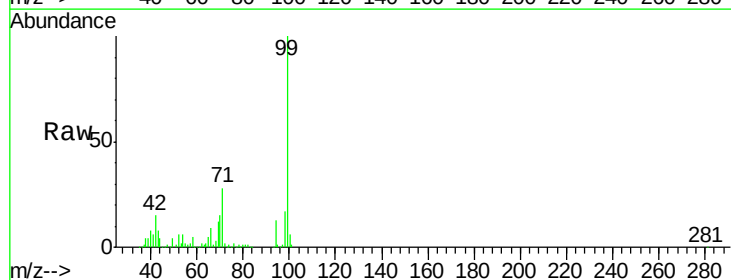
Tgt Ion: 94 Resp: 50022

Ion Ratio Lower Upper

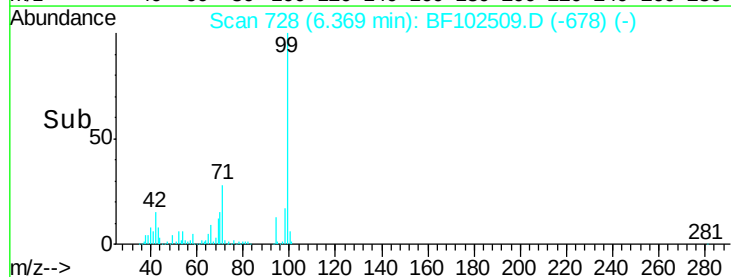
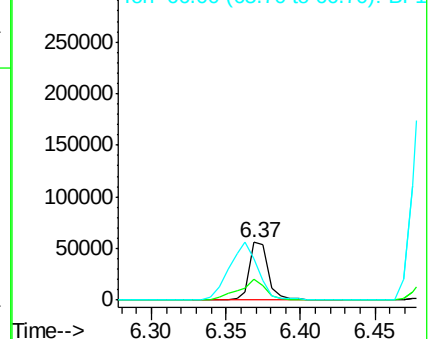
94 100

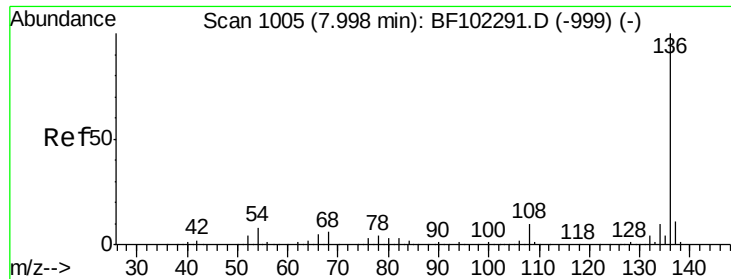
65 36.2 7.9 47.9

66 71.5 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





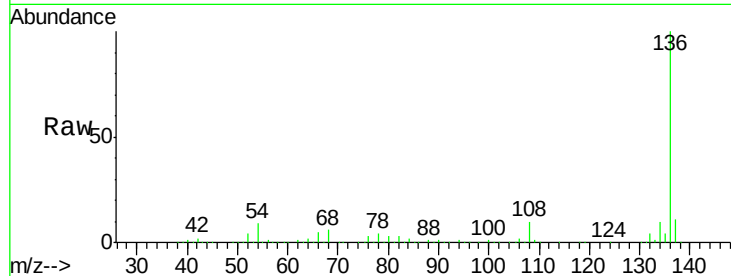
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

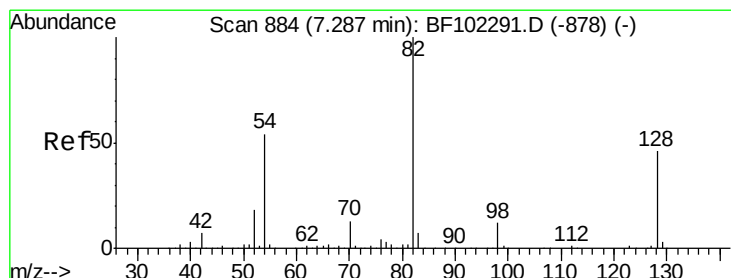
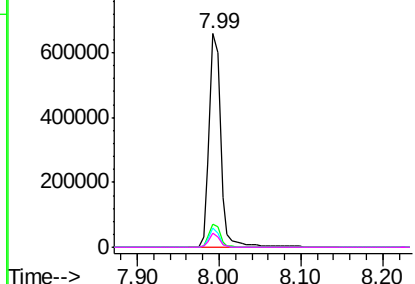
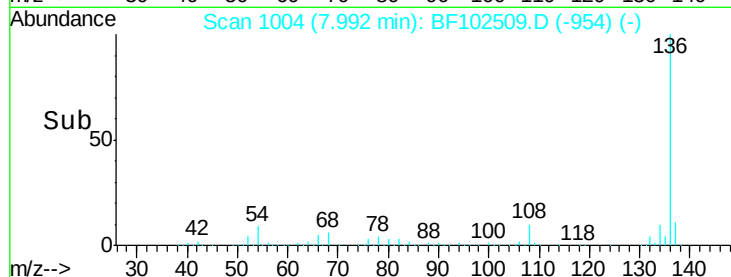
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	655095		
137	11.0	8.9	13.3	
54	8.9	6.6	9.8	
68	6.3	5.0	7.4	

Manual Integrations
APPROVED

Sohil
1/29/2018 5:44:27 PM

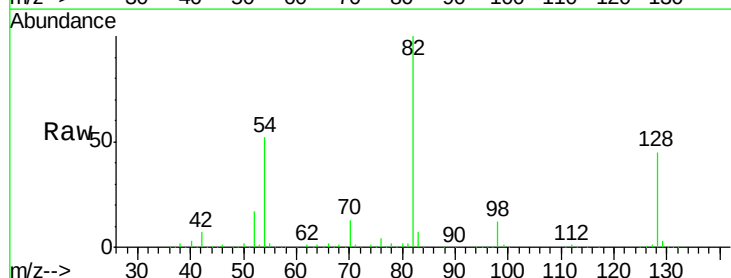


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

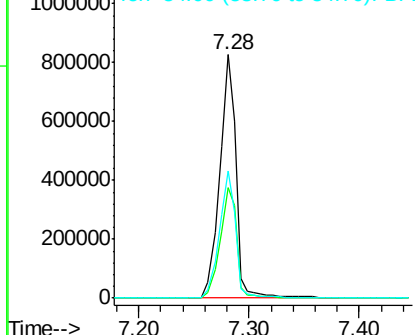
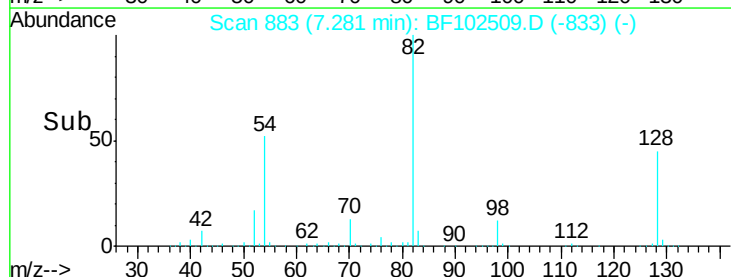


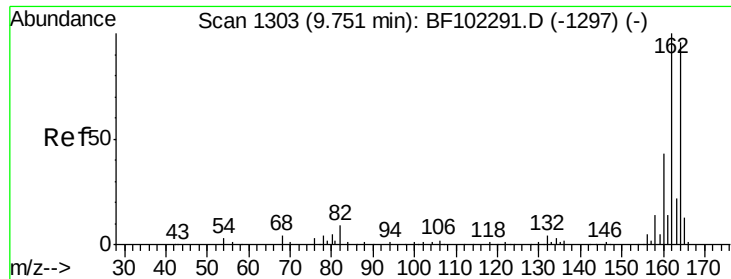
#23
Nitrobenzene-d5
Concen: 74.487 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	849114		
128	45.4	36.1	54.1	
54	52.3	41.4	62.2	



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102509.D

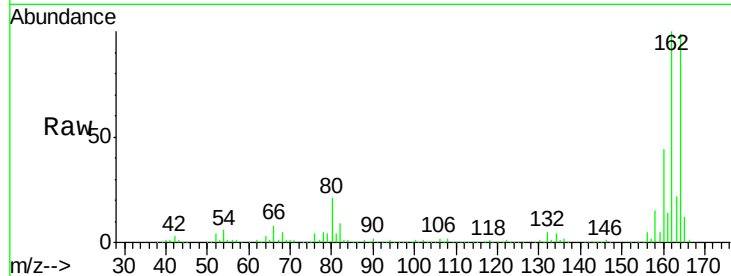
Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

ClientSampleId :

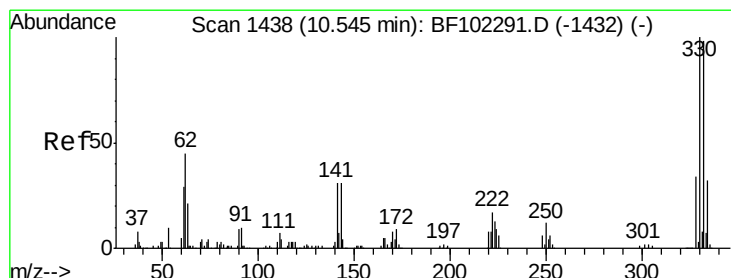
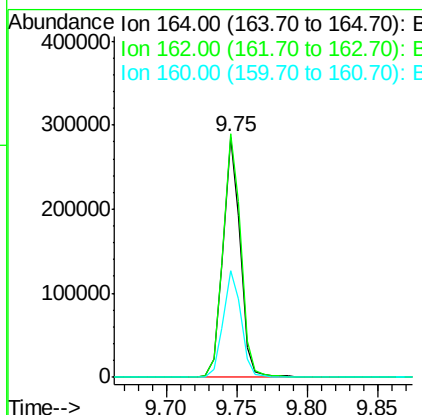
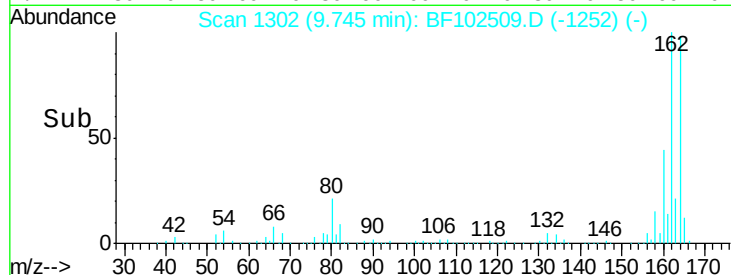
OR-03-012518



Tgt	Ion	Resp	Lower	Upper
164	100			
162	101.3	86.1	129.1	
160	44.7	38.3	57.5	

Manual Integrations
APPROVED

Sohil
1/29/2018 5:44:27 PM



#41

2,4,6-Tribromophenol

Concen: 75.526 ng

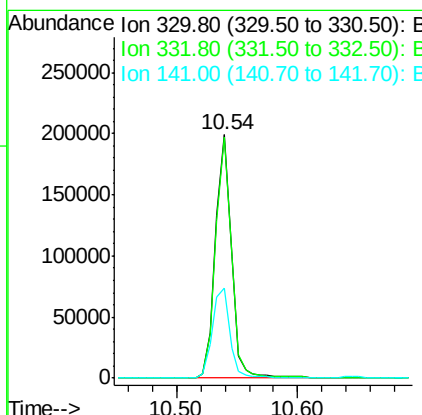
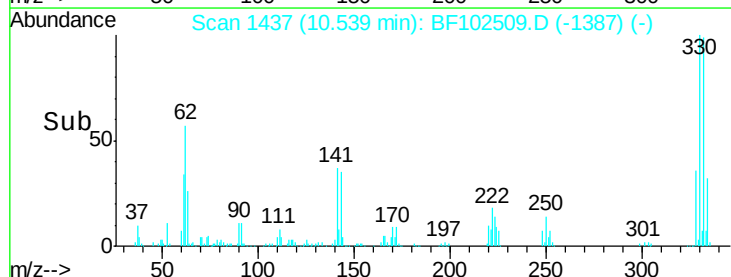
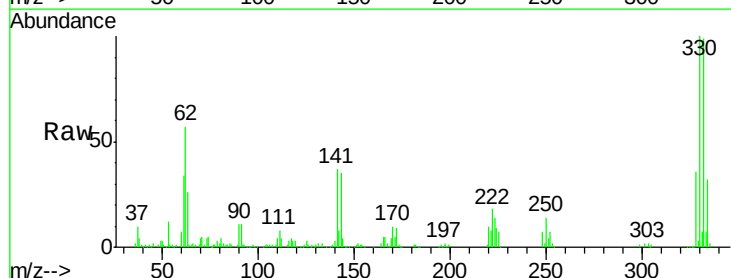
RT: 10.54 min Scan# 1437

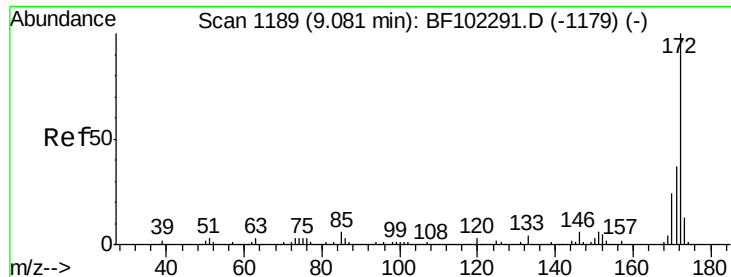
Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Tgt	Ion	Resp	Lower	Upper
330	100			
332	99.1	77.0	115.6	
141	41.0	29.9	44.9	





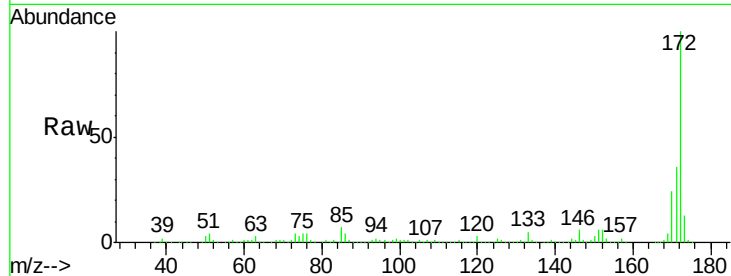
#44
2-Fluorobiphenyl
Concen: 68.457 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

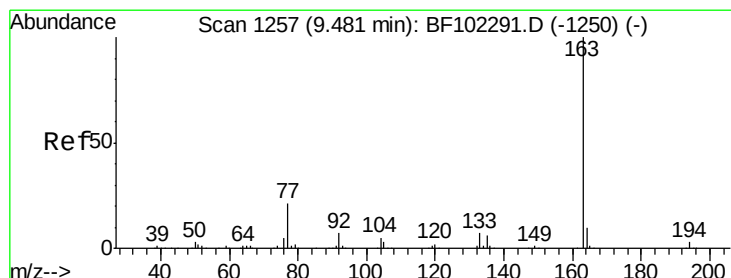
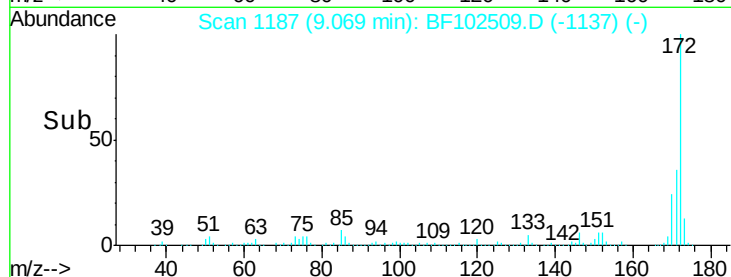
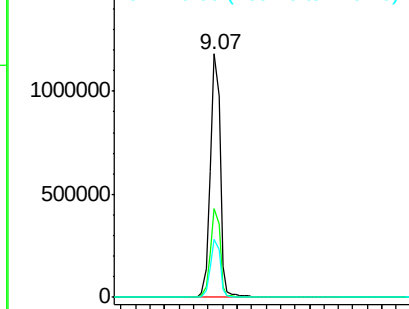
Tgt Ion:172 Resp: 1130734
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.9 19.6 29.4

Manual Integrations
APPROVED

Sohil
1/29/2018 5:44:27 PM

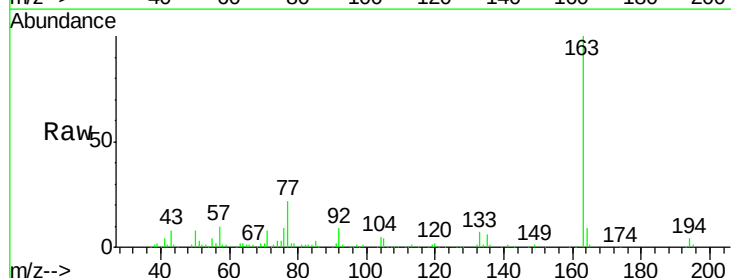


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

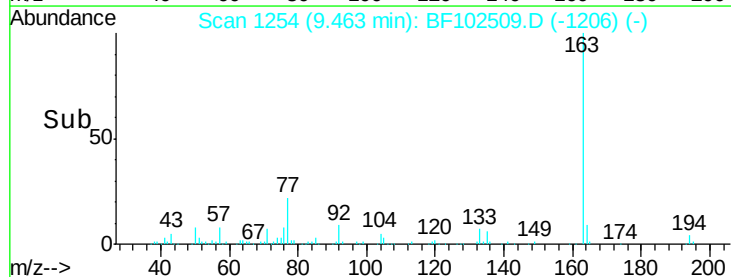
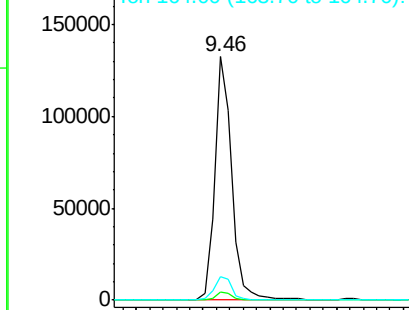


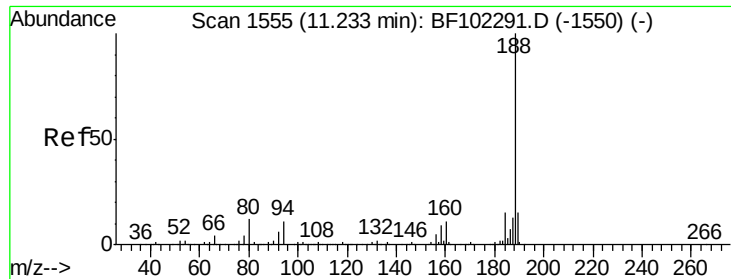
#49
Dimethylphthalate
Concen: 5.936 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion:163 Resp: 119156
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.5 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





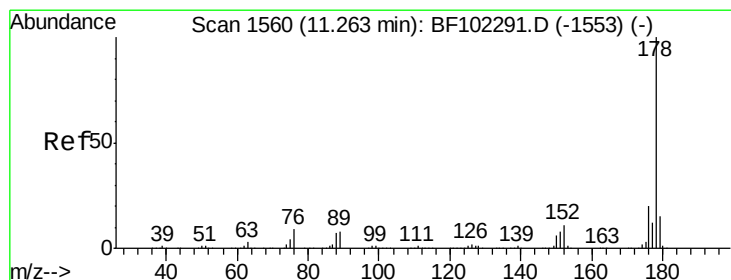
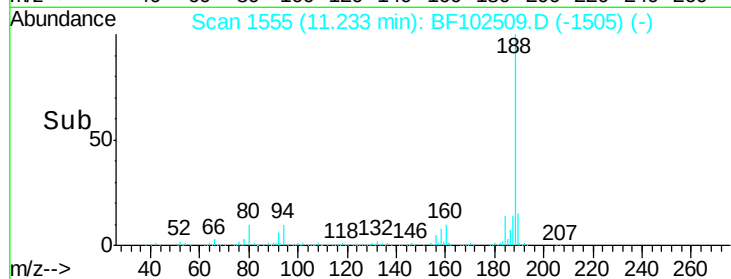
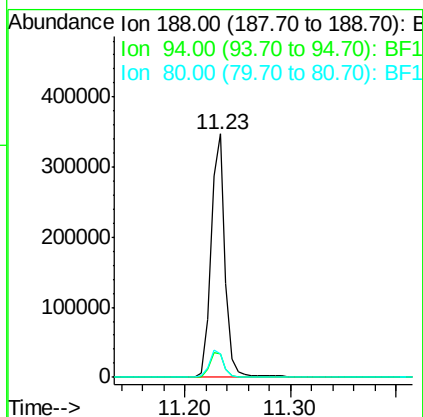
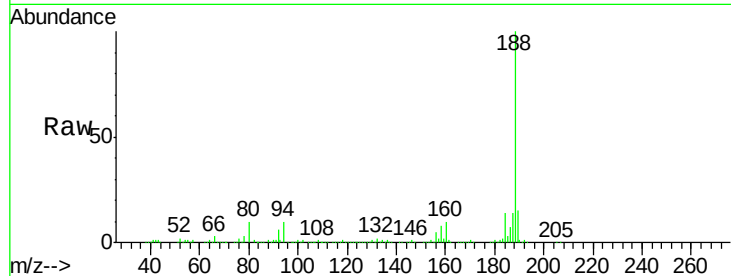
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.7	8.5	12.7
80	9.7	9.2	13.8

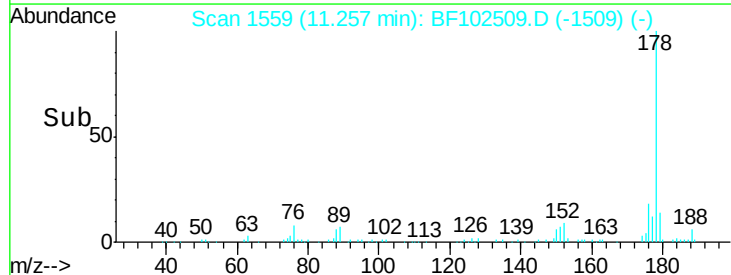
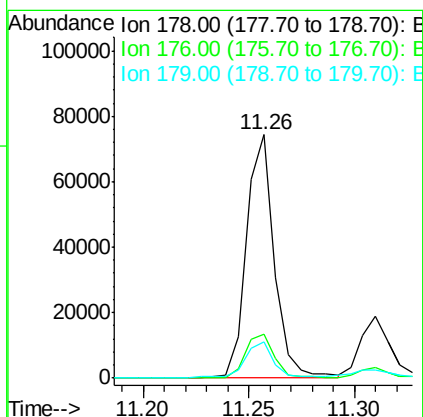
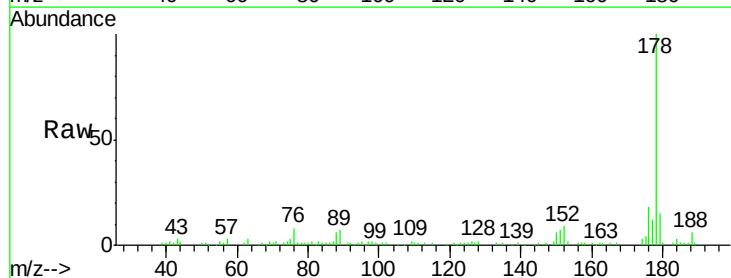
Manual Integrations
APPROVED

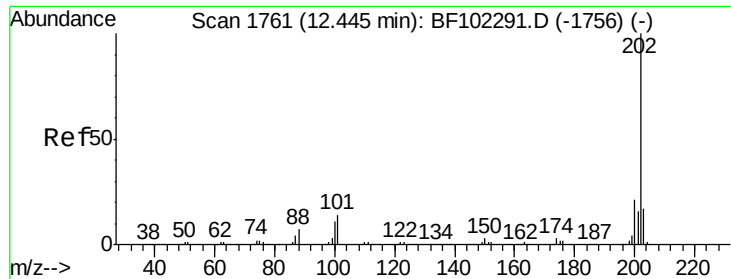
Sohil
1/29/2018 5:44:27 PM



#70
Phenanthrene
Concen: 3.619 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	15.8	23.8
179	14.8	13.0	19.6





#74

Fluoranthene

Concen: 6.432 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Instrument :

BNA_F

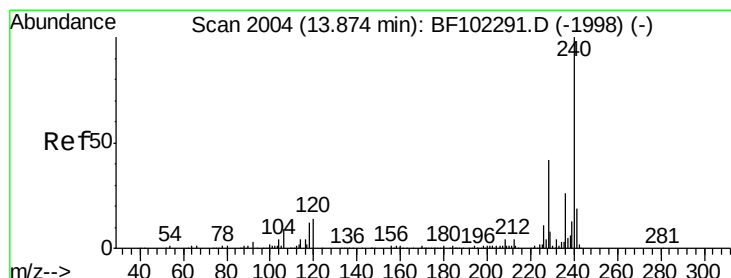
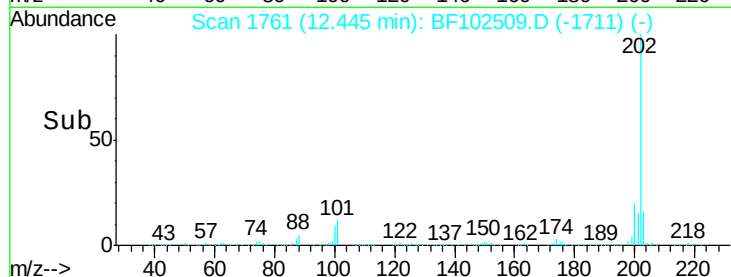
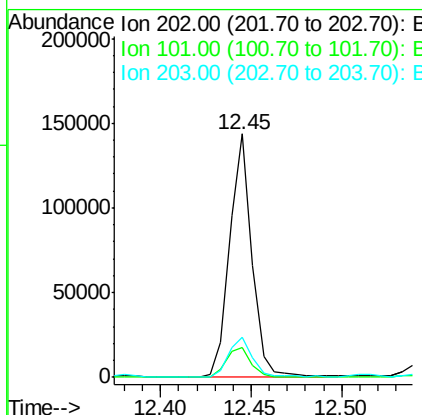
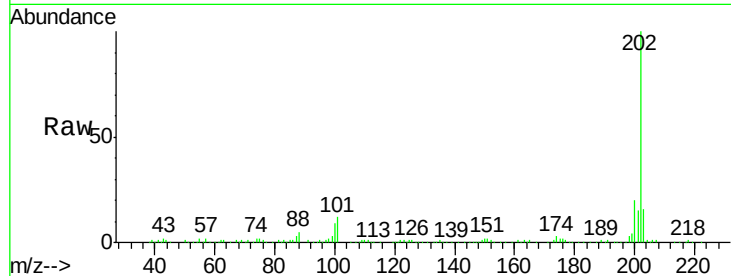
ClientSampleId :

OR-03-012518

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		123664		
101	12.0	0.0	34.1		
203	16.4	0.0	38.1		

Manual Integrations
APPROVED

Sohil
1/29/2018 5:44:27 PM



#75

Chrysene-d12

Concen: 20.000 ng

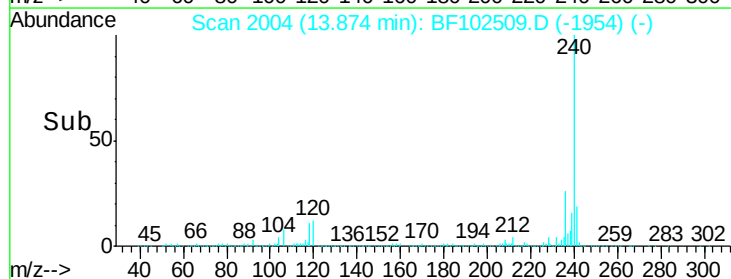
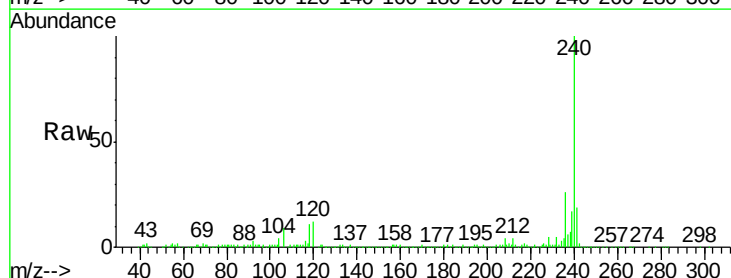
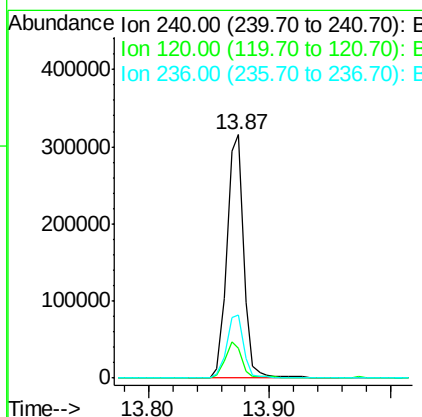
RT: 13.87 min Scan# 2004

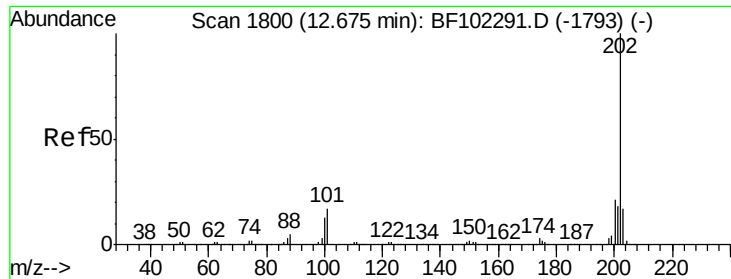
Delta R.T. -0.01 min

Lab File: BF102509.D

Acq: 27 Jan 2018 14:38

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		306126		
120	12.4	9.5	14.3		
236	26.2	20.7	31.1		





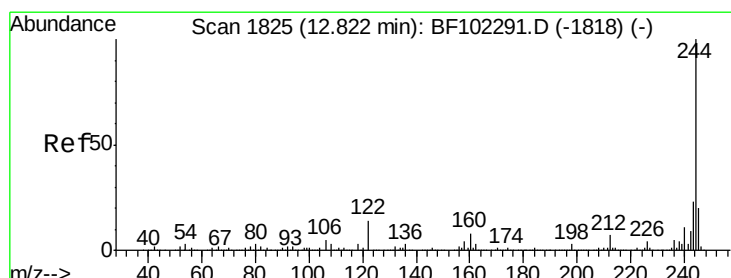
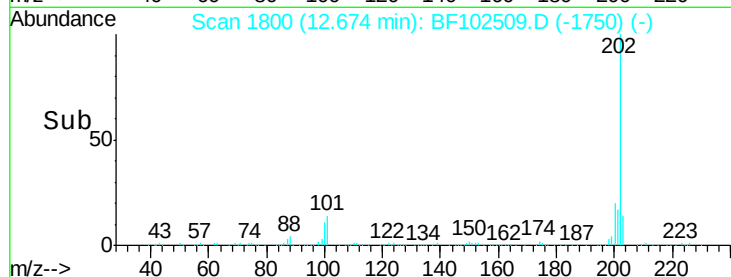
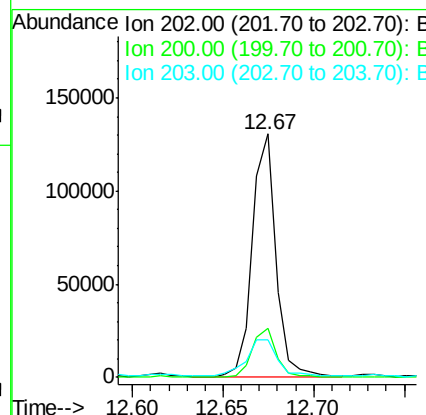
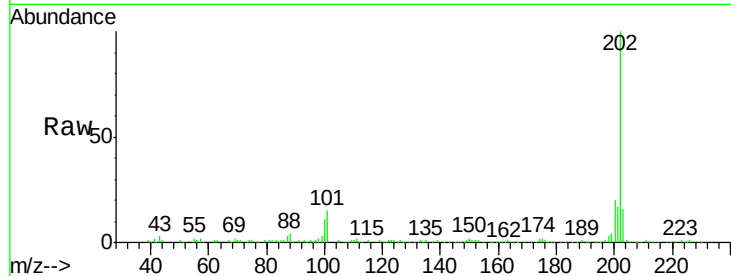
#77
 Pyrene
 Concen: 4.941 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	116953		
200	20.3		17.4	26.2
203	15.5		14.3	21.5

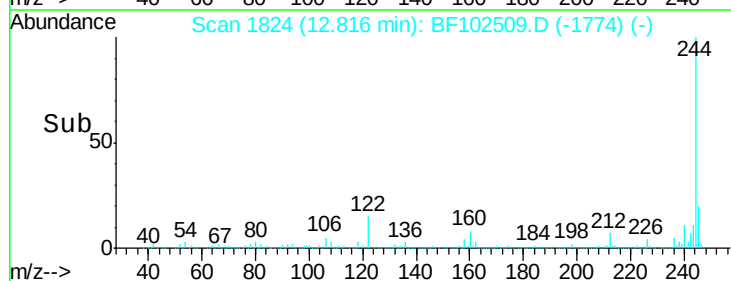
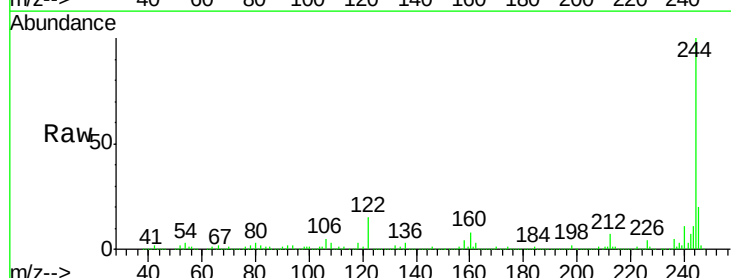
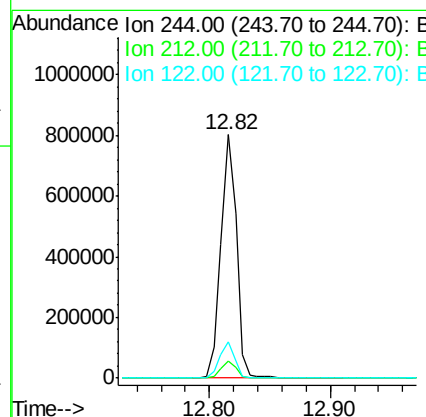
Manual Integrations
 APPROVED

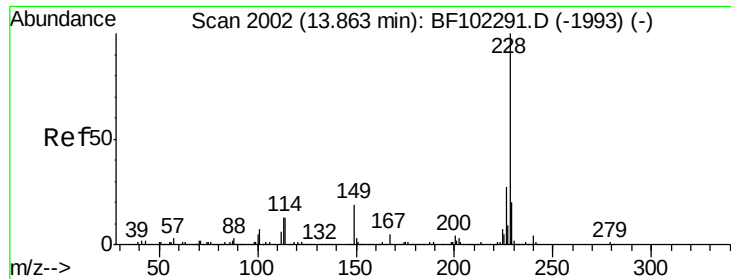
Sohil
 1/29/2018 5:44:27 PM



#78
 Terphenyl-d14
 Concen: 52.299 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	710180		
212	6.7		5.4	8.0
122	14.7		11.0	16.4





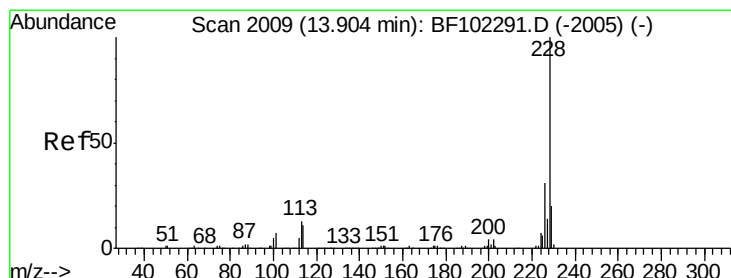
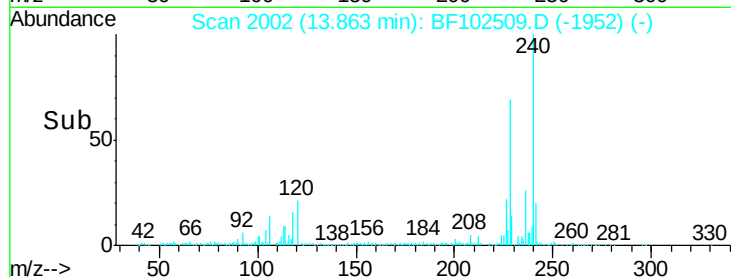
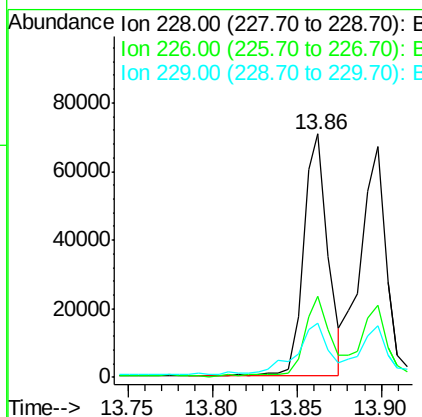
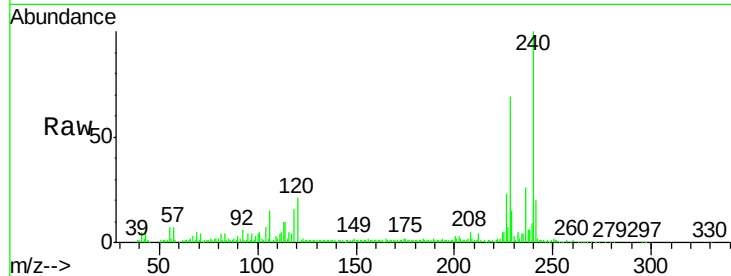
#80
Benzo(a)anthracene
Concen: 3.765 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	22.1	15.8	23.6

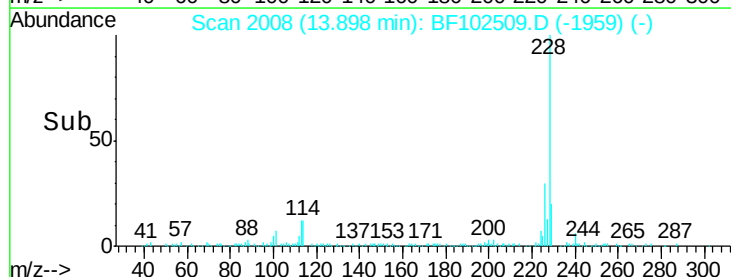
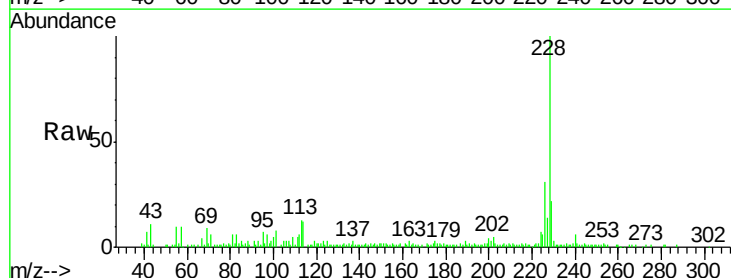
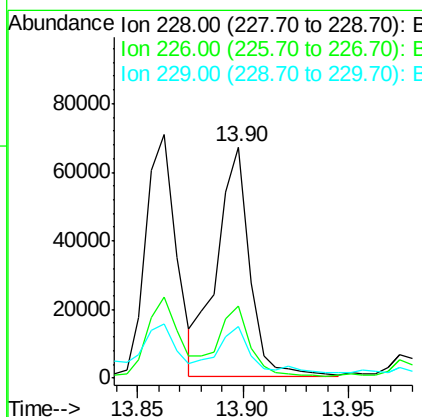
Manual Integrations
APPROVED

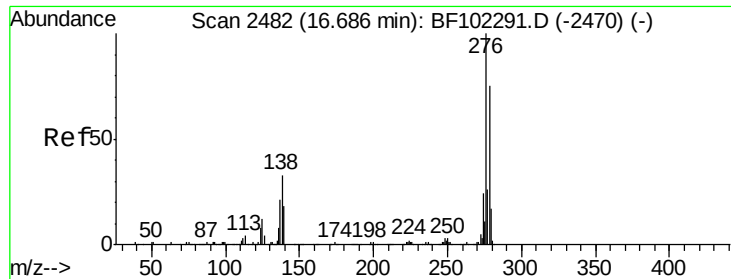
Sohil
1/29/2018 5:44:27 PM



#82
Chrysene
Concen: 3.761 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.4	16.2	24.4





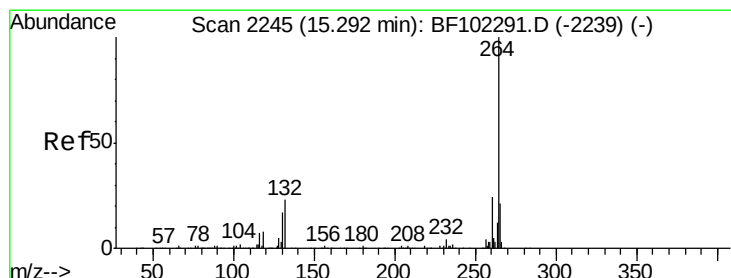
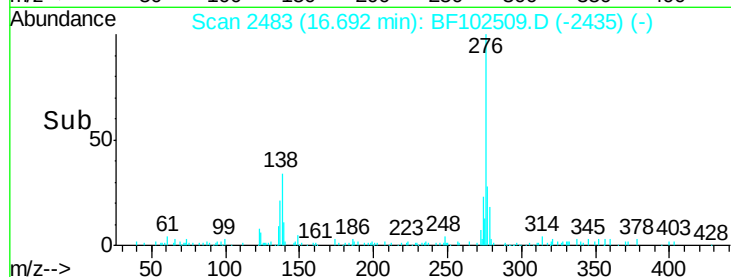
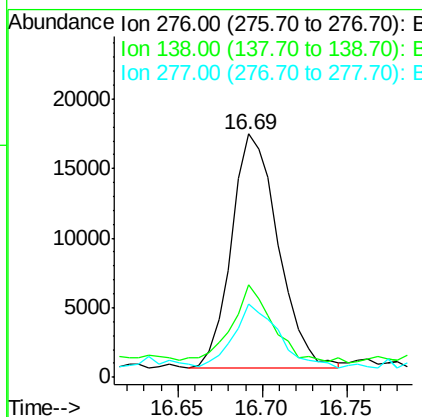
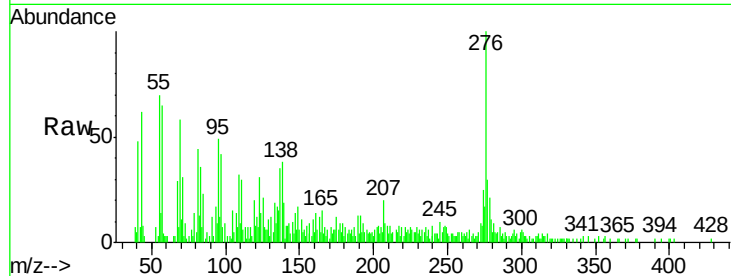
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.039 ng
RT: 16.69 min Scan# 2483
Delta R.T. -0.02 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	26.2	20.1	30.1

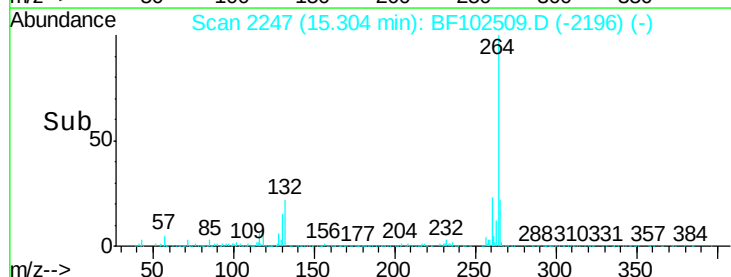
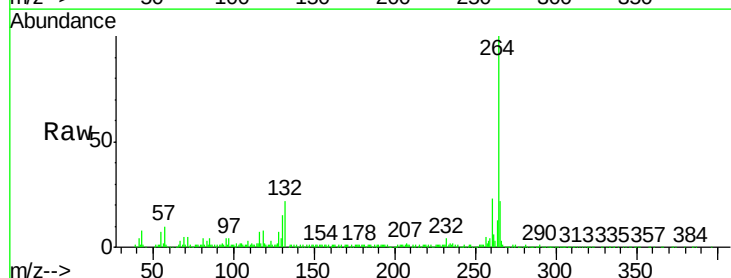
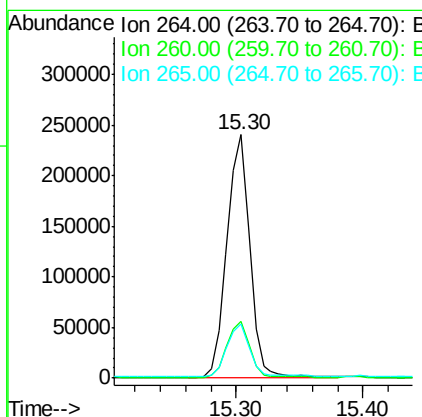
Manual Integrations
APPROVED

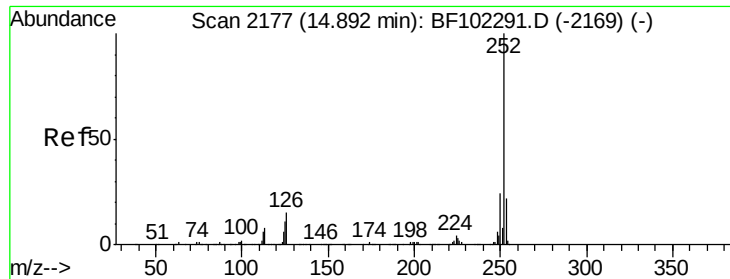
Sohil
1/29/2018 5:44:27 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.1	17.5	26.3





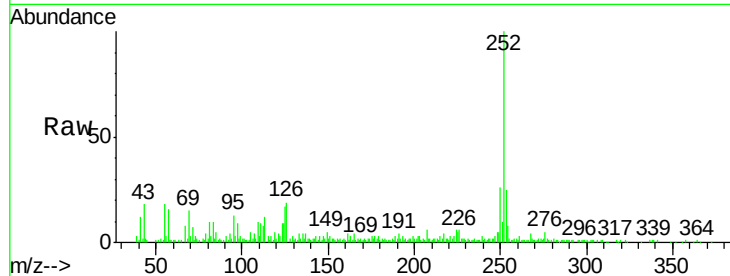
#87
Benzo(b)fluoranthene
Concen: 5.011 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Instrument :
BNA_F
ClientSampleId :
OR-03-012518

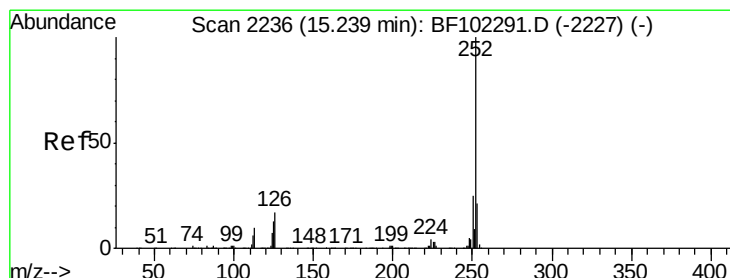
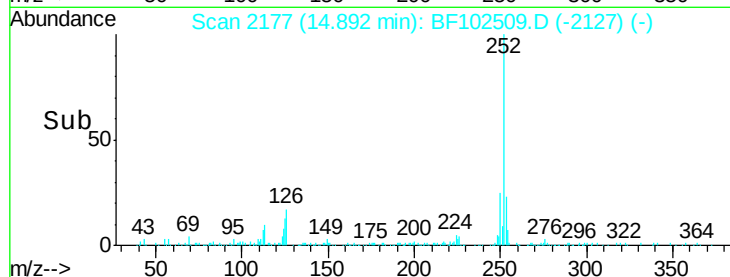
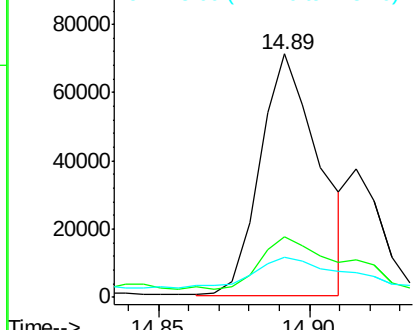
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	16.5	9.0	13.6#

Manual Integrations
APPROVED

Sohil
1/29/2018 5:44:27 PM

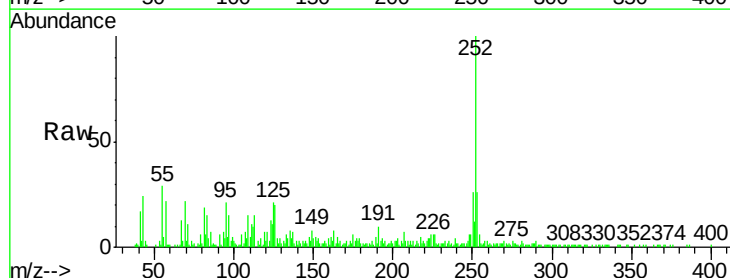


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

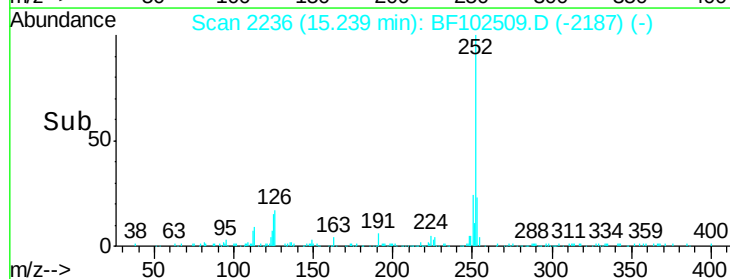
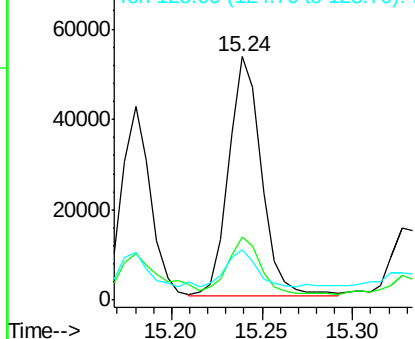


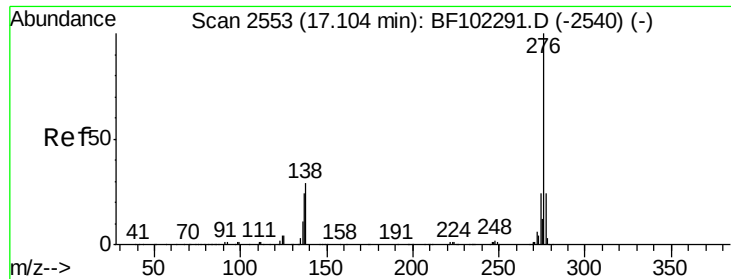
#89
Benzo(a)pyrene
Concen: 3.828 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF102509.D
Acq: 27 Jan 2018 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	20.7	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: 2.236 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF102509.D
 Acq: 27 Jan 2018 14:38

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012518

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	31.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 1/29/2018 5:44:27 PM

