

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102443.D
 Acq On : 26 Jan 2018 00:12
 Operator : SJ/JU
 Sample : J1256-06RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW4-8)RE

Manual Integrations
 APPROVED

Sohil
 1/26/2018 11:24:48 AM

Quant Time: Jan 26 03:00:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	144097	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	576652	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	236555	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	341806	20.00	ng	0.00
75) Chrysene-d12	13.89	240	221492	20.00	ng	0.00
86) Perylene-d12	15.33	264	198684	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	842624	88.67	ng	0.01
7) Phenol-d6	6.36	99	1014277	88.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	620216	61.81	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	163691	69.84	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1026917	63.83	ng	0.00
78) Terphenyl-d14	12.83	244	650283	66.19	ng	0.00
Target Compounds						
10) Phenol	6.37	94	51202	4.093	ng	Qvalue 91
31) Naphthalene	8.02	128	64822	2.251	ng	98
49) Dimethylphthalate	9.47	163	237047	12.123	ng	100
57) Fluorene	10.30	166	36773	2.292	ng	99
70) Phenanthrene	11.26	178	381086	19.133	ng	99
71) Anthracene	11.32	178	66808	3.286	ng	98
72) Carbazole	11.47	167	41179	2.076	ng	# 91
74) Fluoranthene	12.46	202	400920	19.739	ng	97
77) Pyrene	12.69	202	349282	20.396	ng	98
80) Benzo(a)anthracene	13.87	228	142487	10.449	ng	98
82) Chrysene	13.91	228	141366	10.209	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	40796	3.562	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.73	276	68893	6.024	ng	97
87) Benzo(b)fluoranthene	14.92	252	177850m	13.811	ng	
88) Benzo(k)fluoranthene	14.94	252	45329m	3.726	ng	
89) Benzo(a)pyrene	15.27	252	106392	9.160	ng	# 66
91) Benzo(a,h,i)perylene	17.16	276	67757	7.294	ng	# 90

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

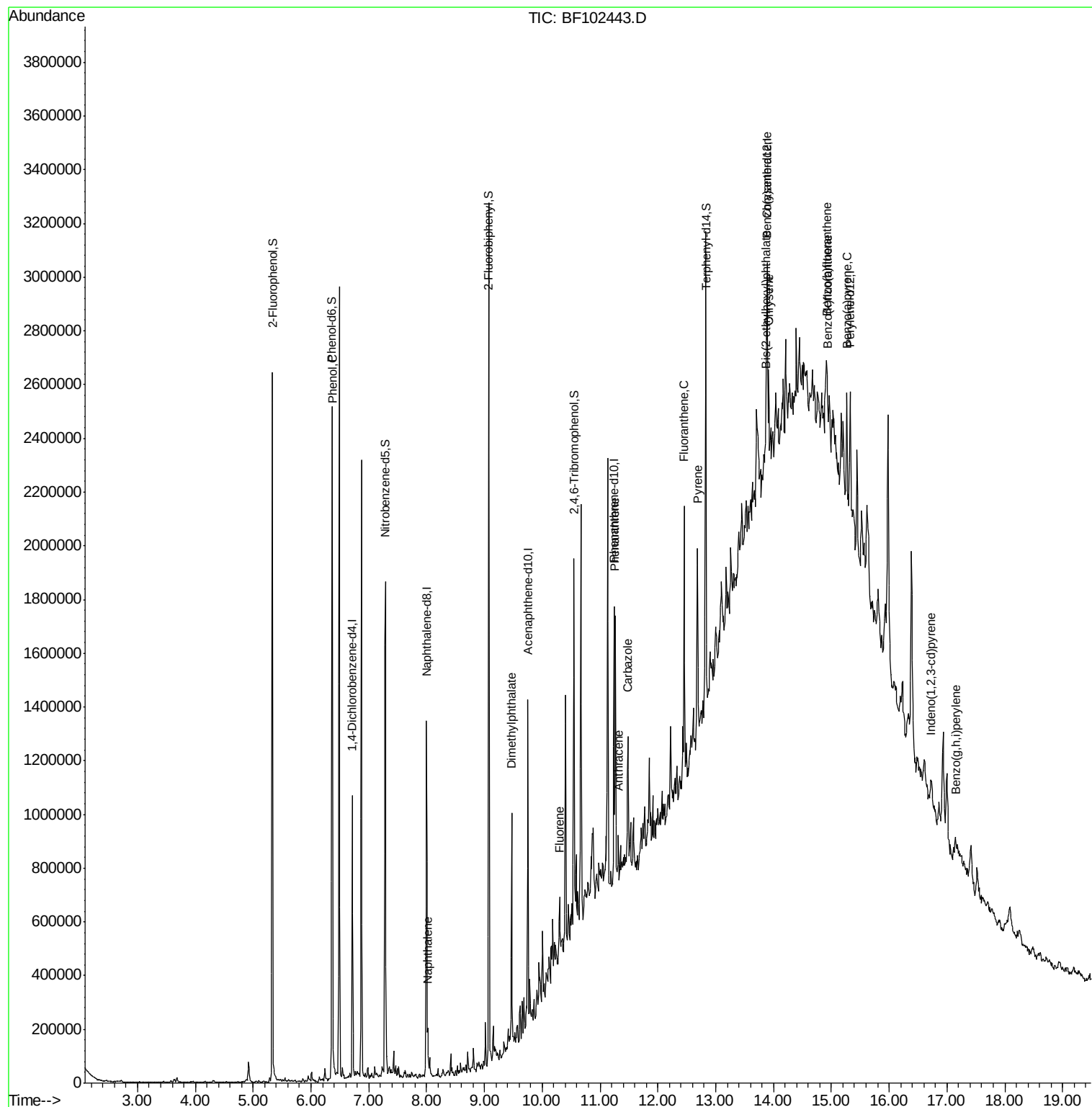
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
Data File : BF102443.D
Acq On : 26 Jan 2018 00:12
Operator : SJ/JU
Sample : J1256-06RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

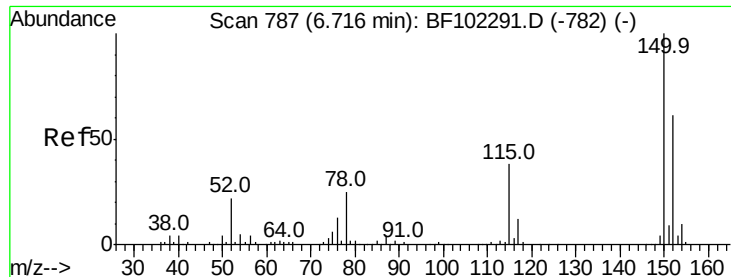
Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM

Quant Time: Jan 26 03:00:11 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 25 13:44:56 2018
Response via : Initial Calibration





#1

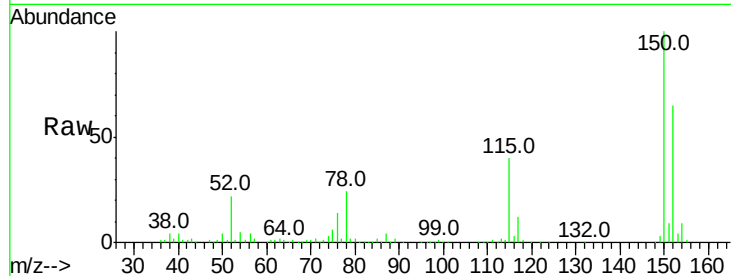
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

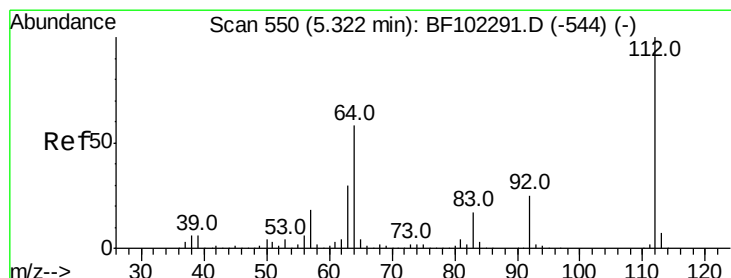
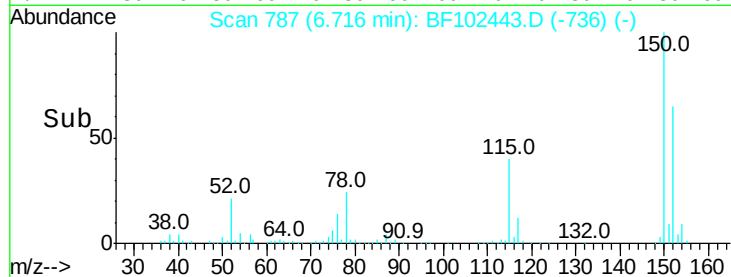
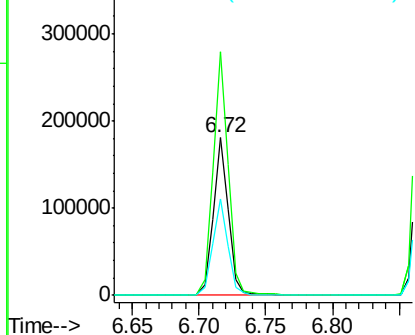
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	61.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM



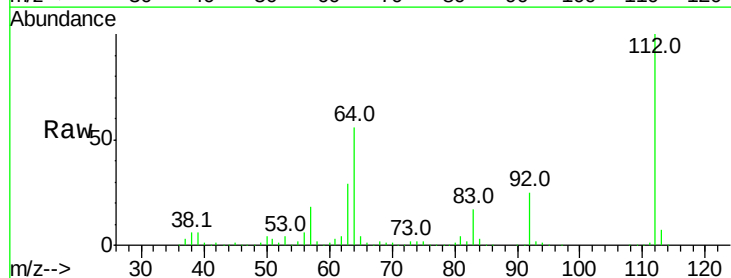
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



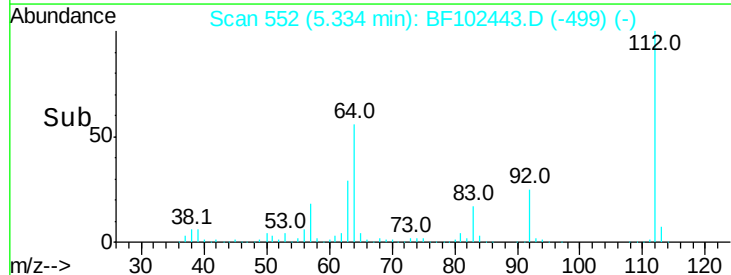
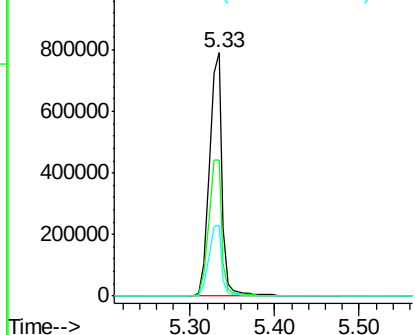
#5

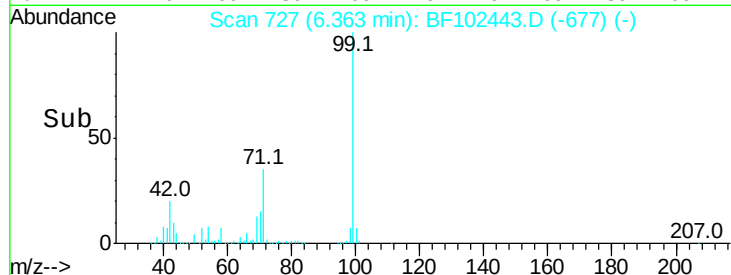
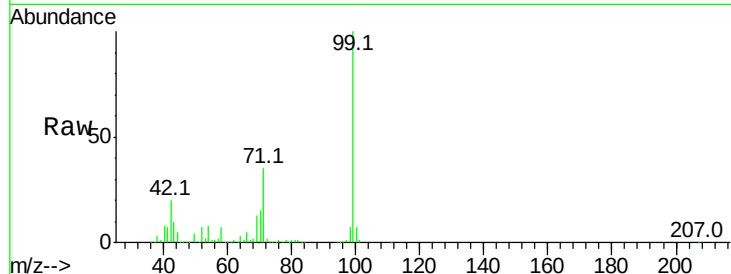
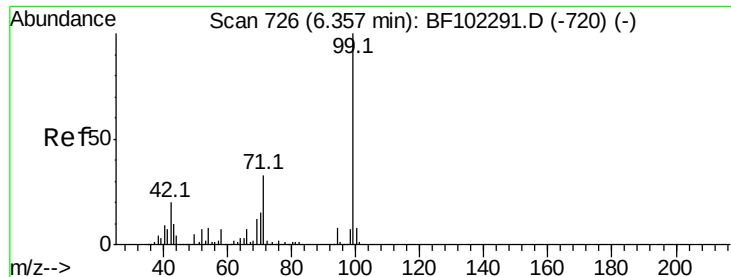
2-Fluorophenol
Concen: 88.665 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	29.2	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: 88.527 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Tot Ion:	99	Resp:	1014277
Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.5	21.7
71	34.5	25.4	38.0

Instrument :

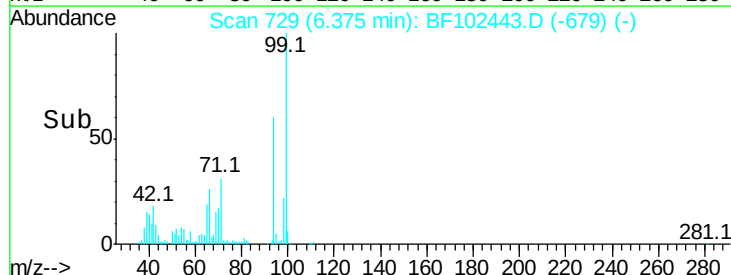
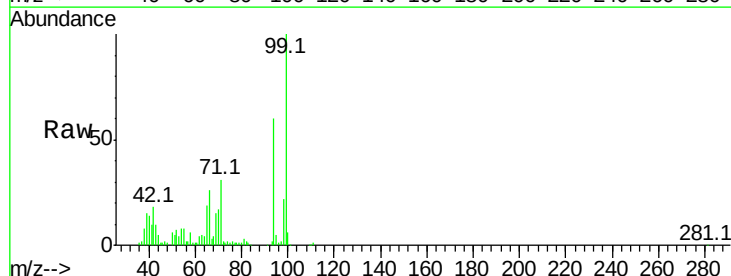
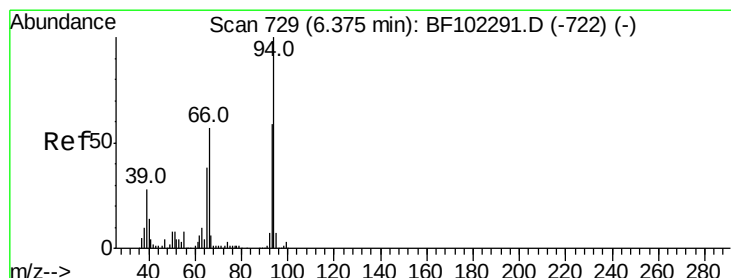
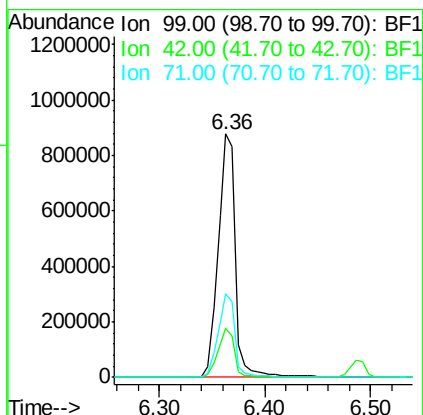
BNA_F

ClientSampleId :

DB-OF-N-S-(WW4-8)RE

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM



#10

Phenol

Concen: 4.093 ng

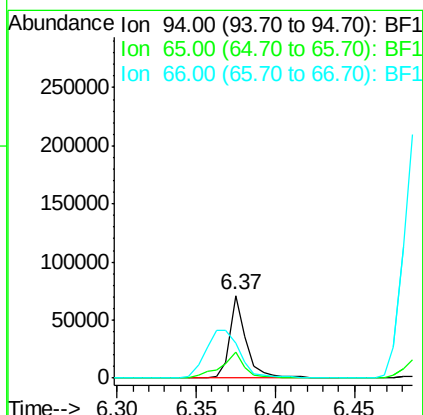
RT: 6.37 min Scan# 729

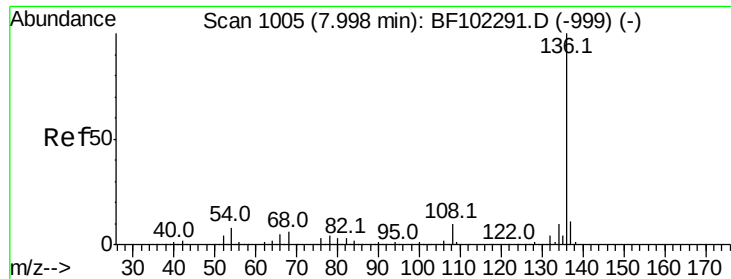
Delta R.T. -0.01 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Tgt Ion:	94	Resp:	51202
Ion	Ratio	Lower	Upper
94	100		
65	31.4	7.9	47.9
66	42.7	16.2	56.2





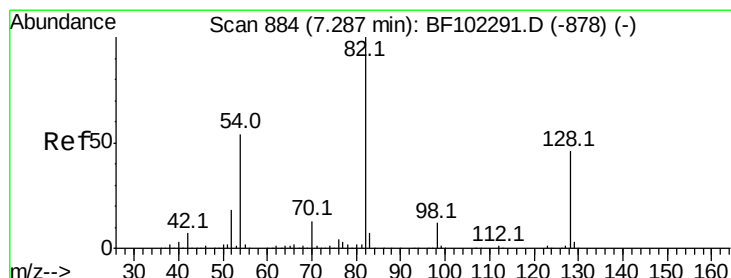
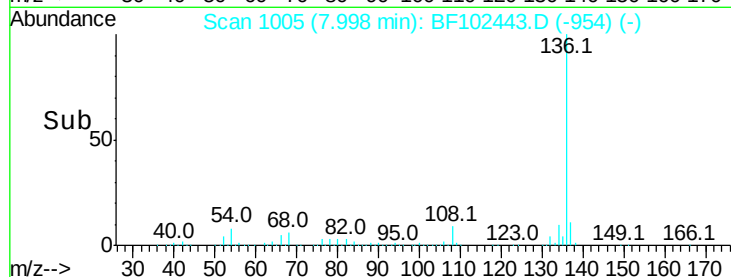
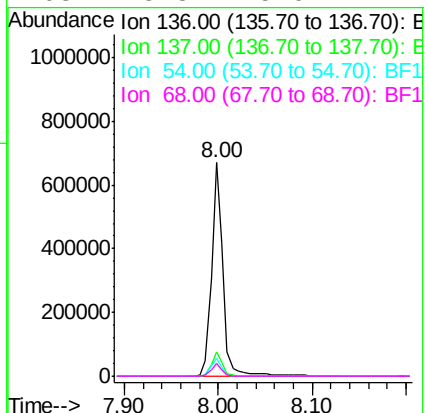
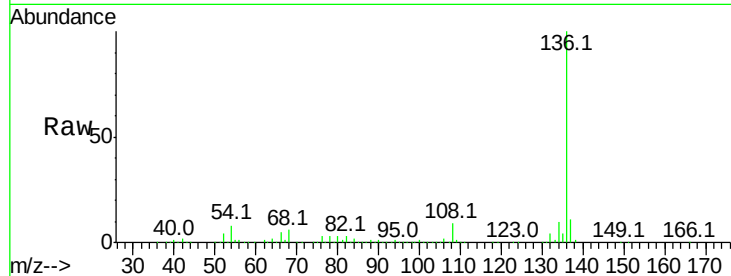
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.2	6.6	9.8	
68	5.8	5.0	7.4	

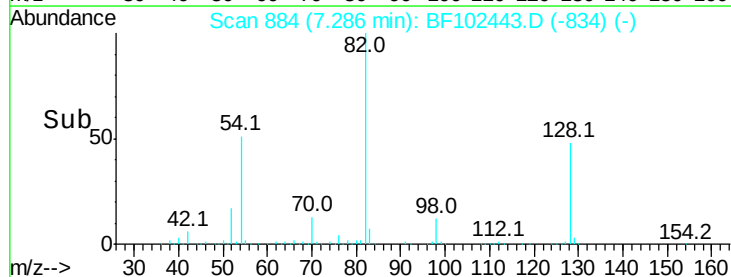
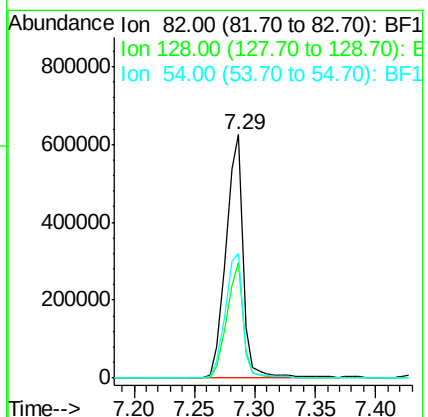
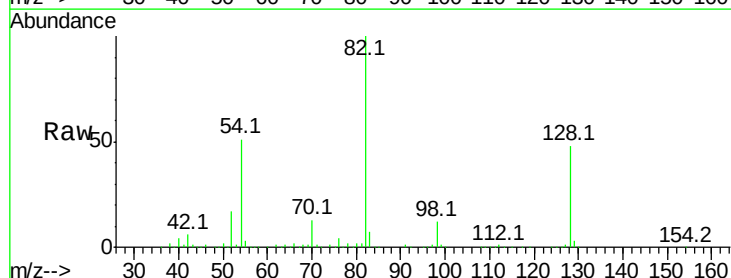
Manual Integrations
APPROVED

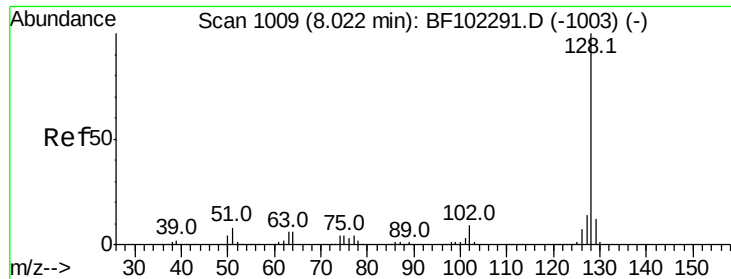
Sohil
1/26/2018 11:24:48 AM



#23
Nitrobenzene-d5
Concen: 61.808 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.6	36.1	54.1	
54	51.0	41.4	62.2	





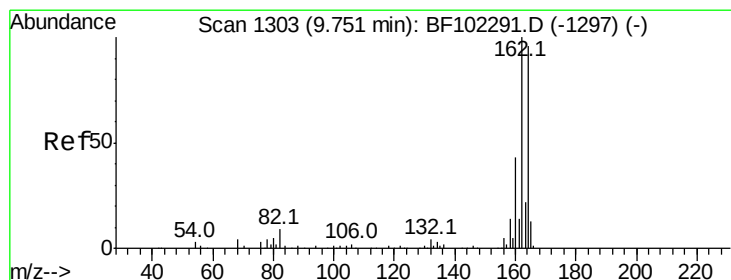
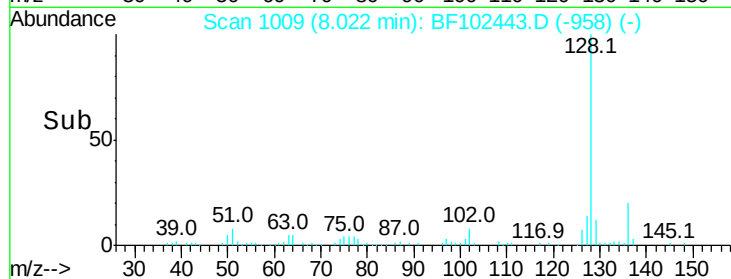
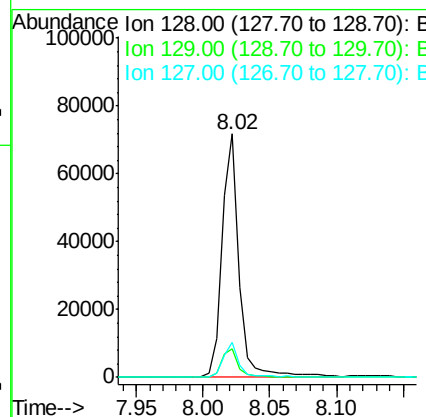
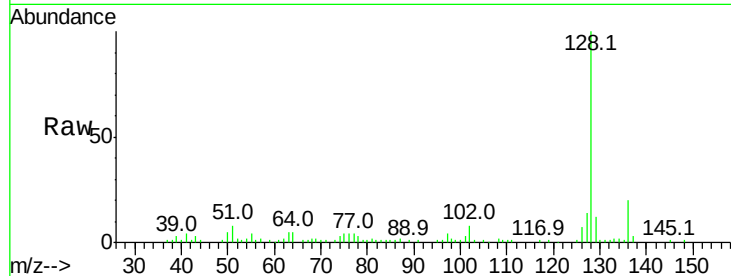
#31
Naphthalene
Concen: 2.251 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	14.4	10.9	16.3

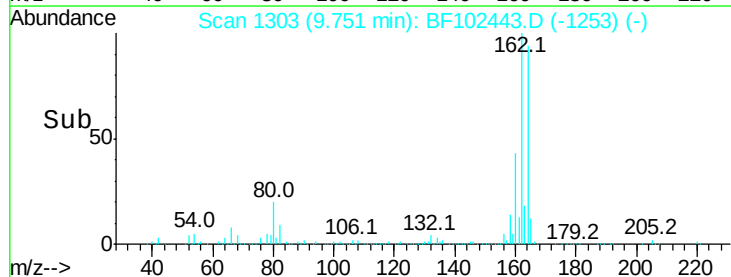
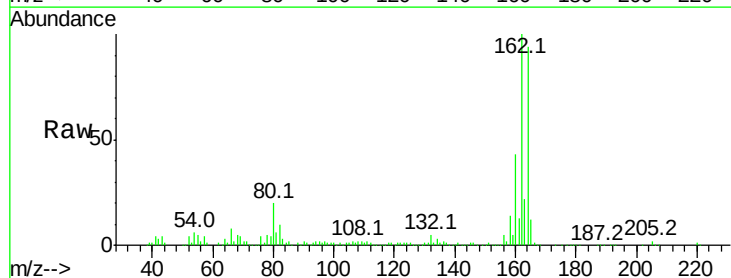
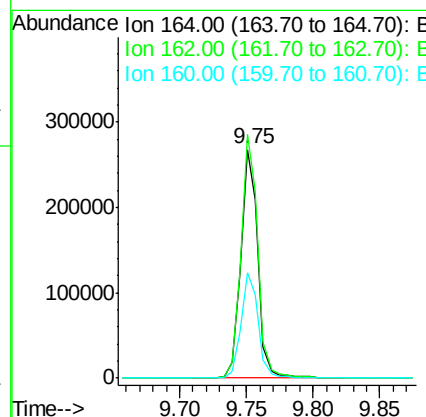
Manual Integrations
APPROVED

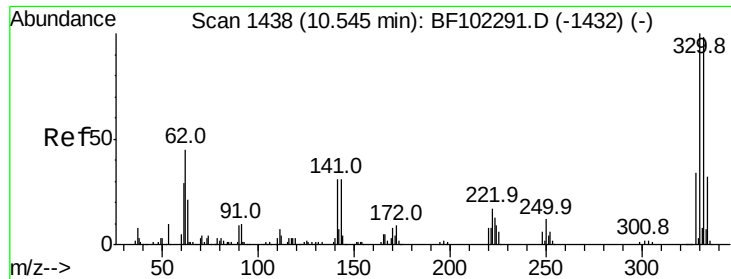
Sohil
1/26/2018 11:24:48 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	46.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 69.836 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

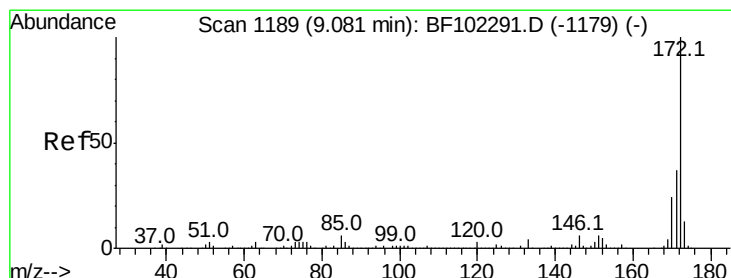
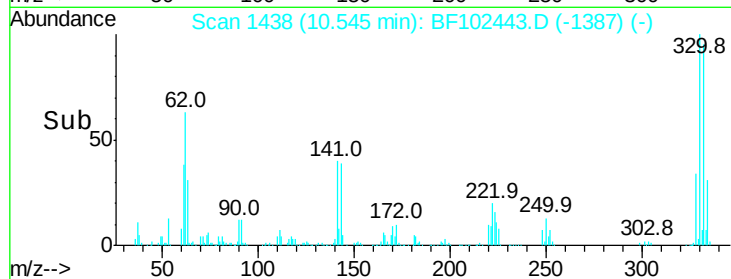
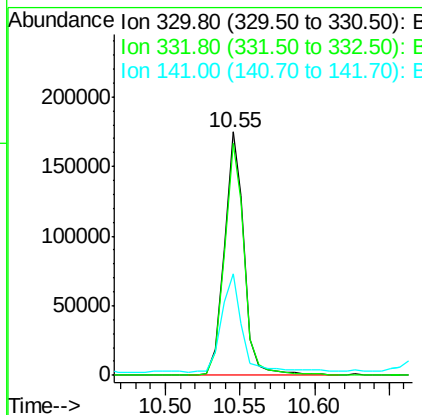
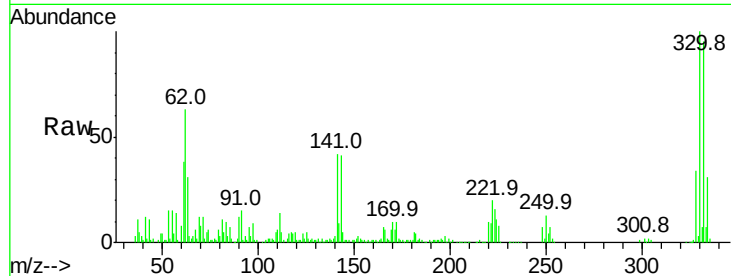
DB-OF-N-S-(WW4-8)RE

Tot Ion:	330	Resp:	163691
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.0	115.6
141	40.8	29.9	44.9

Manual Integrations
APPROVED

Sohil

1/26/2018 11:24:48 AM



#44

2-Fluorobiphenyl

Concen: 63.830 ng

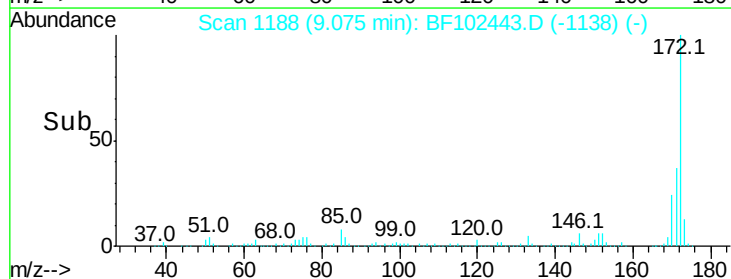
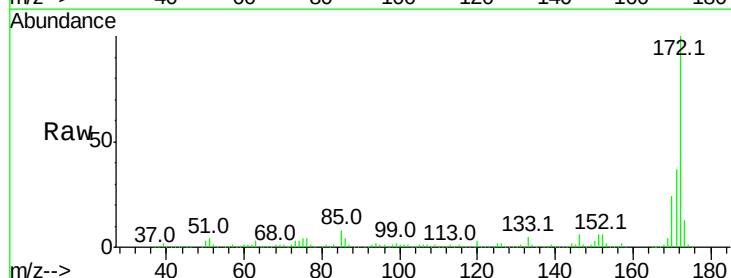
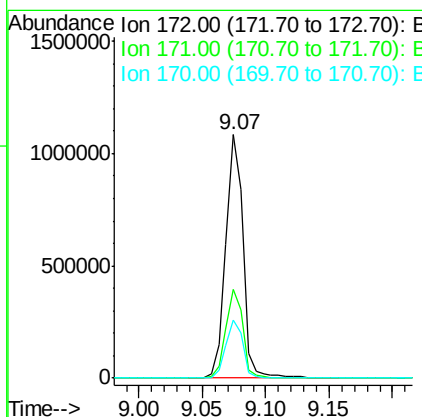
RT: 9.07 min Scan# 1188

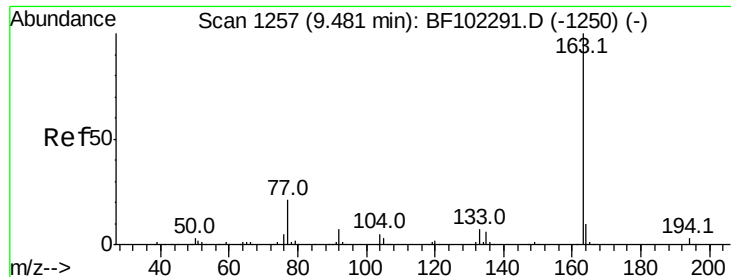
Delta R.T. -0.01 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Tgt Ion:	172	Resp:	1026917
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.7	44.5
170	23.9	19.6	29.4





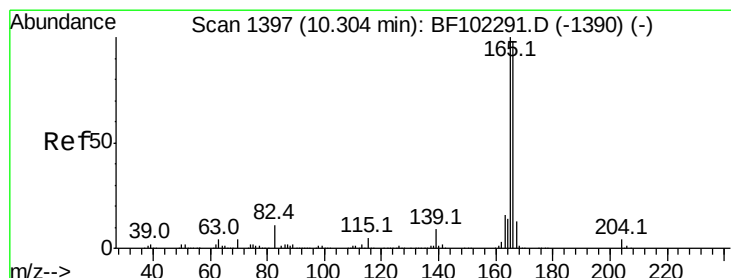
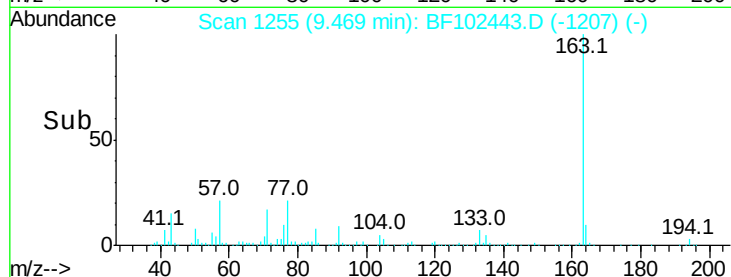
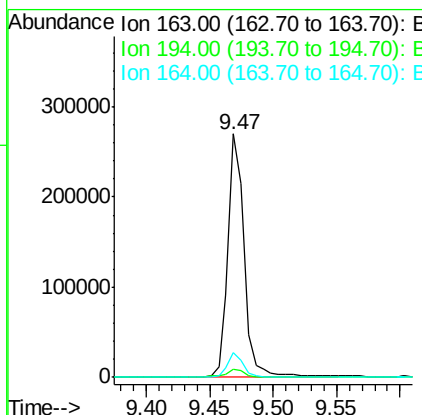
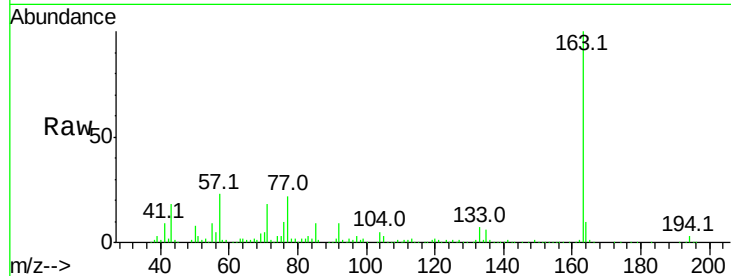
#49
Dimethylphthalate
Concen: 12.123 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.4	8.2	12.2

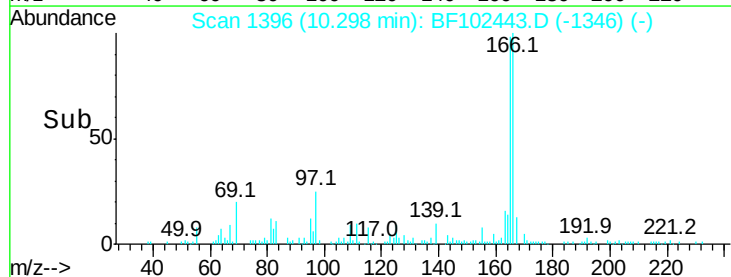
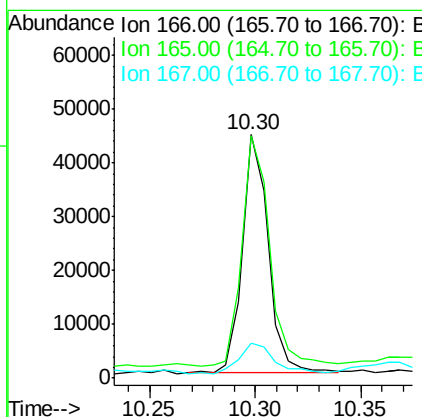
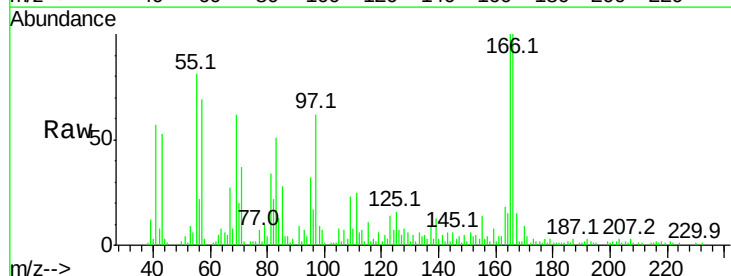
Manual Integrations
APPROVED

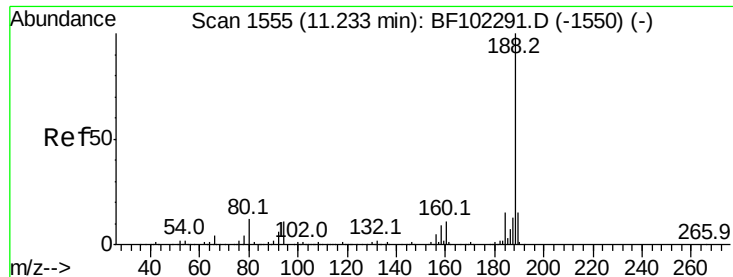
Sohil
1/26/2018 11:24:48 AM



#57
Fluorene
Concen: 2.292 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.6	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Instrument :

BNA_F

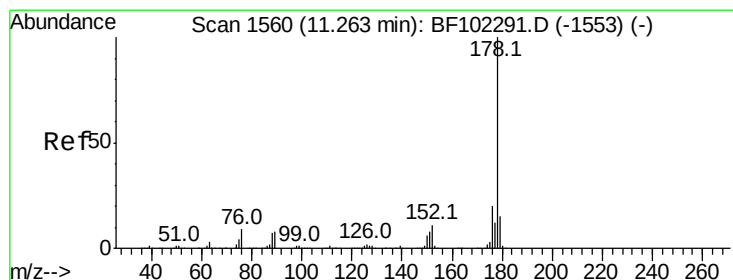
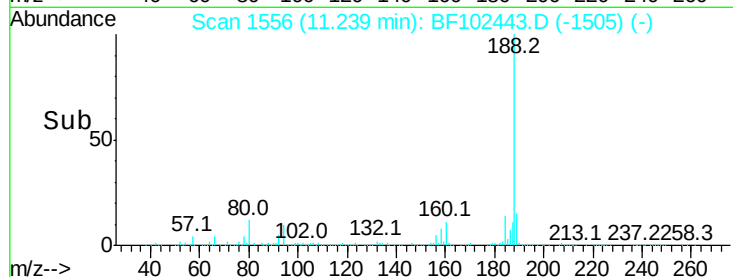
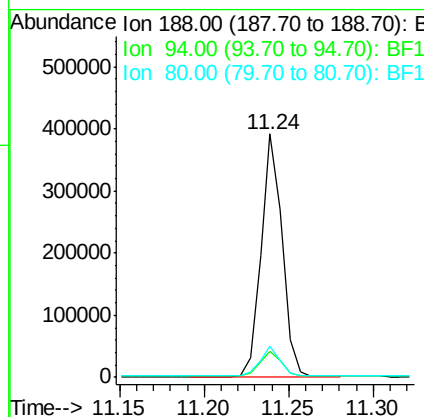
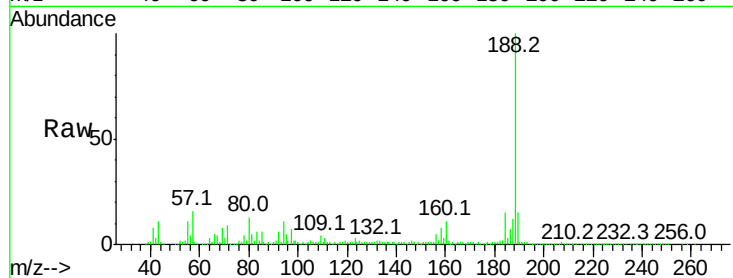
ClientSampleId :

DB-OF-N-S-(WW4-8)RE

Tot Ion:	188	Resp:	341806
Ion Ratio	Lower	Upper	
188	100		
94	11.0	8.5	12.7
80	12.6	9.2	13.8

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM



#70

Phenanthrene

Concen: 19.133 ng

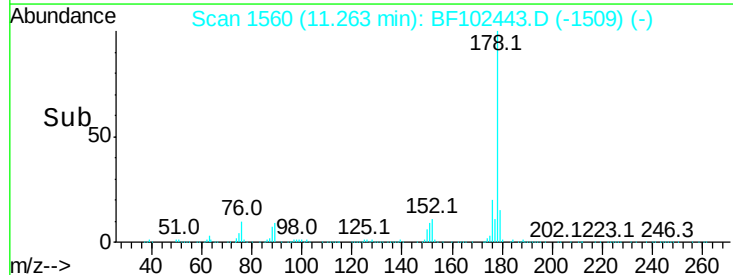
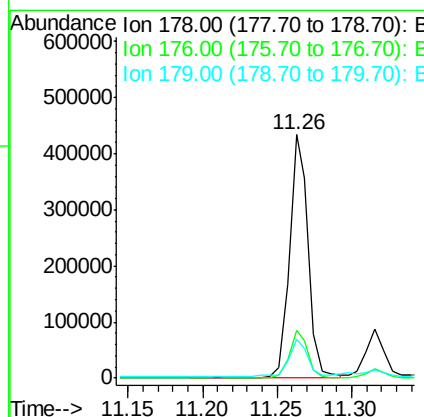
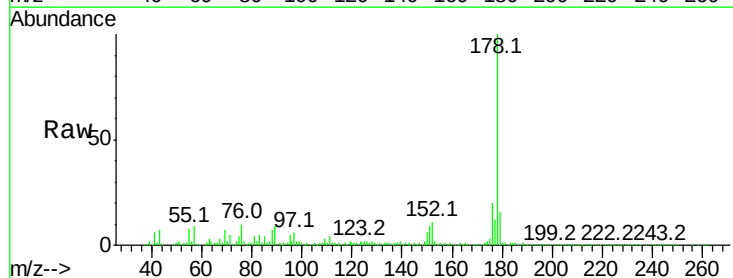
RT: 11.26 min Scan# 1560

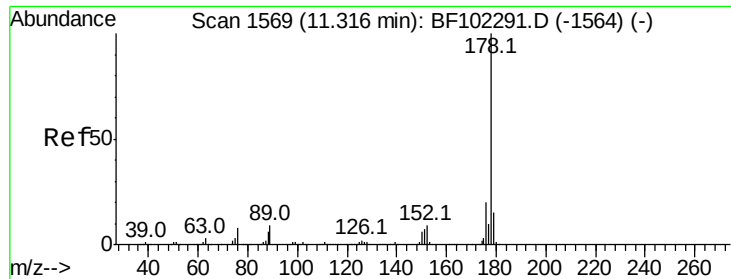
Delta R.T. 0.00 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Tgt Ion:	178	Resp:	381086
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.8	13.0	19.6





#71

Anthracene

Concen: 3.286 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Instrument :

BNA_F

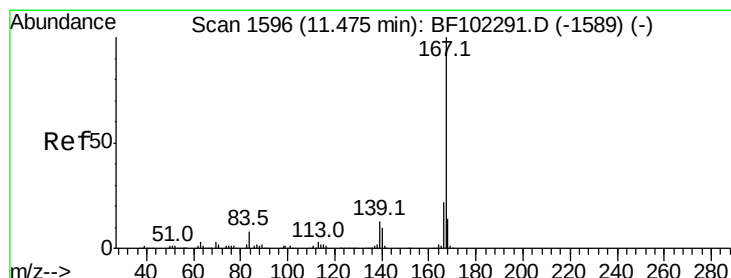
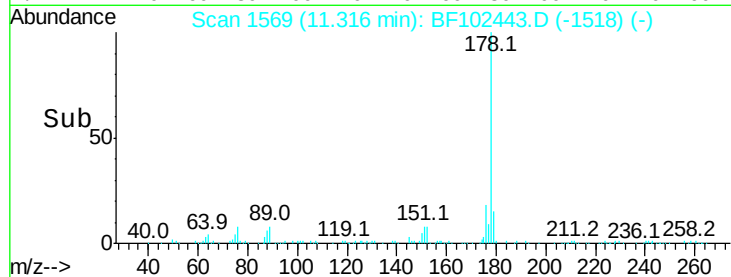
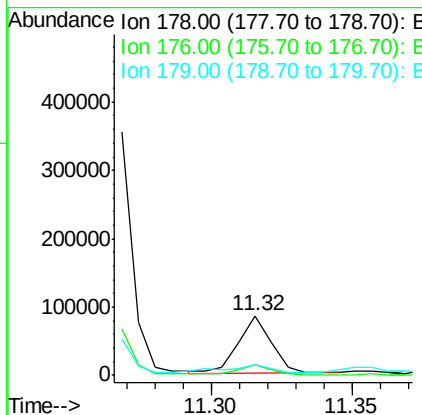
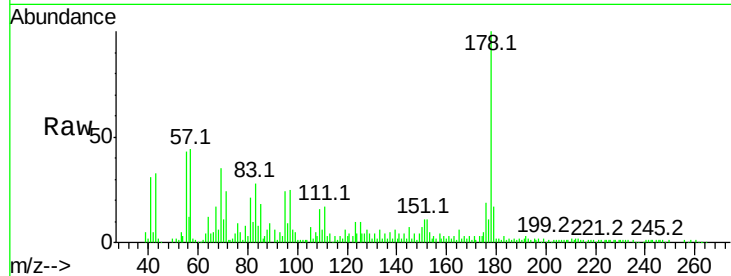
ClientSampleId :

DB-OF-N-S-(WW4-8)RE

Tot Ion:	178	Resp:	66808
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.4	23.2
179	17.2	12.6	19.0

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM



#72

Carbazole

Concen: 2.076 ng

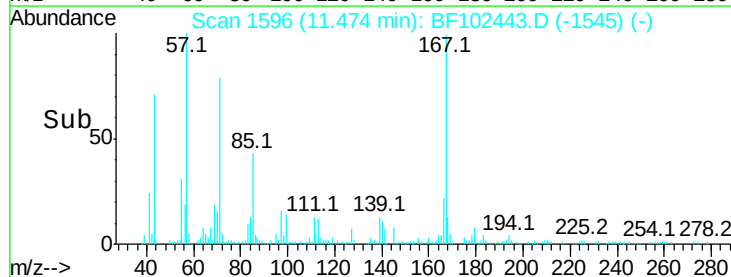
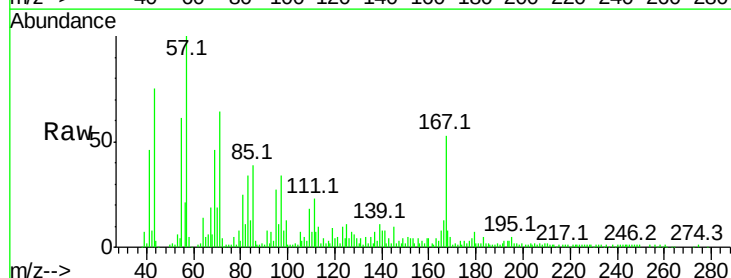
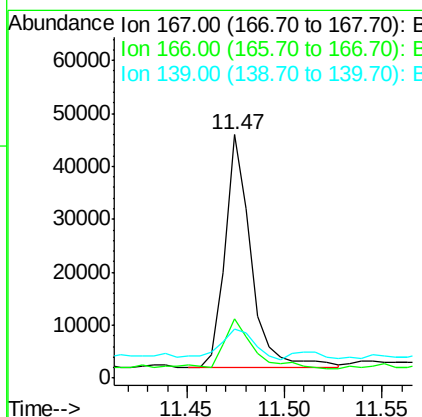
RT: 11.47 min Scan# 1596

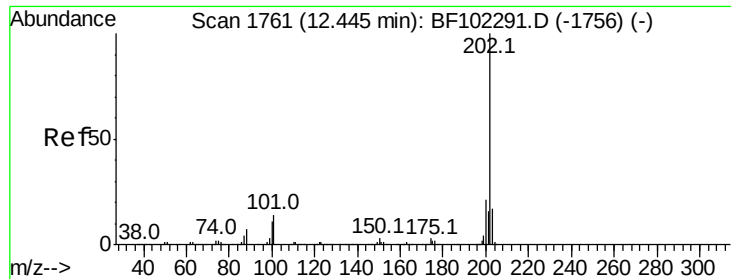
Delta R.T. 0.00 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Tgt Ion:	167	Resp:	41179
Ion Ratio	Lower	Upper	
167	100		
166	24.2	17.6	26.4
139	20.2	10.9	16.3





#74

Fluoranthene

Concen: 19.739 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Instrument :

BNA_F

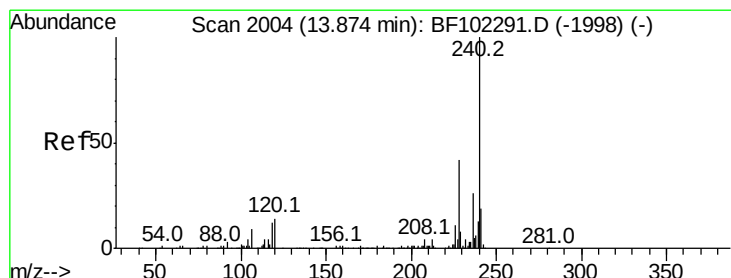
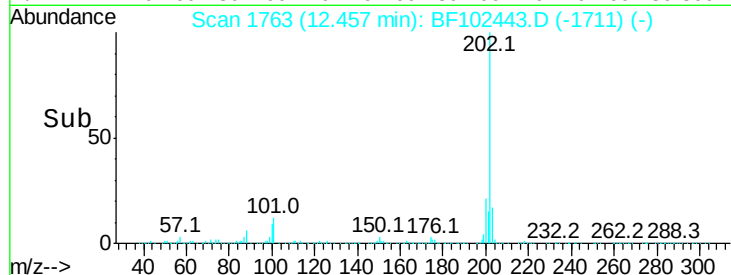
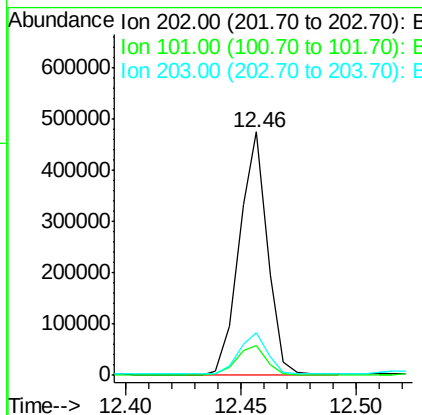
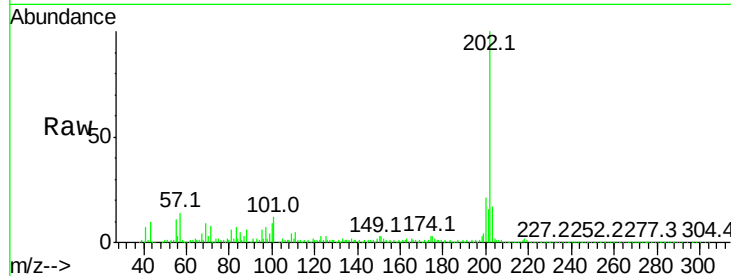
ClientSampleId :

DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	400920		
101	12.2	0.0	34.1	
203	17.5	0.0	38.1	

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM



#75

Chrysene-d12

Concen: 20.000 ng

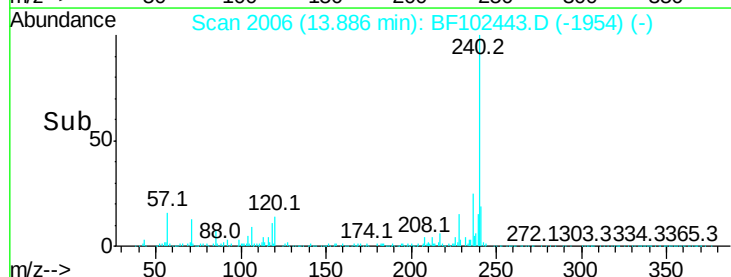
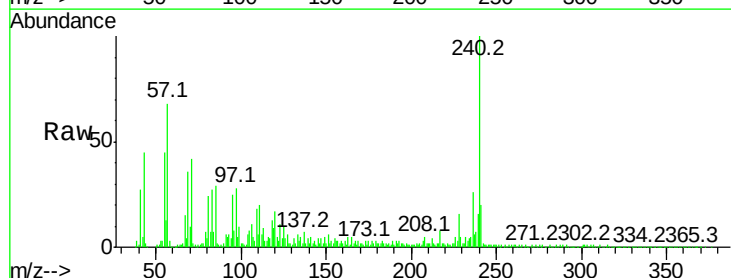
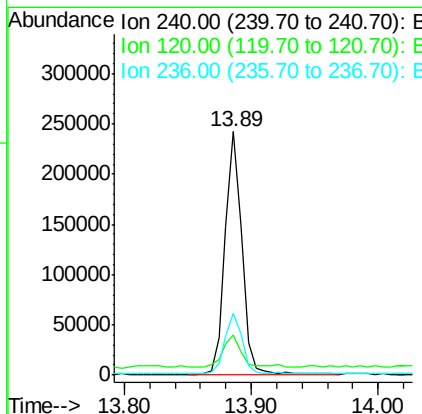
RT: 13.89 min Scan# 2006

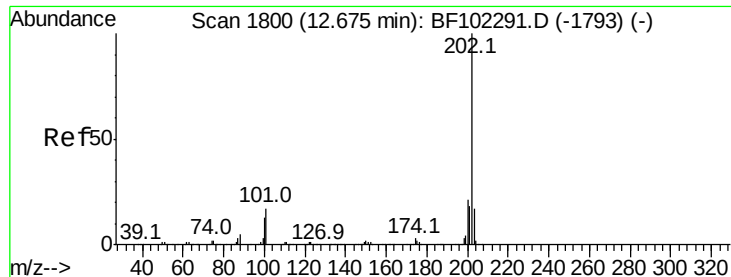
Delta R.T. 0.01 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	221492		
120	16.7	9.5	14.3#	
236	25.6	20.7	31.1	





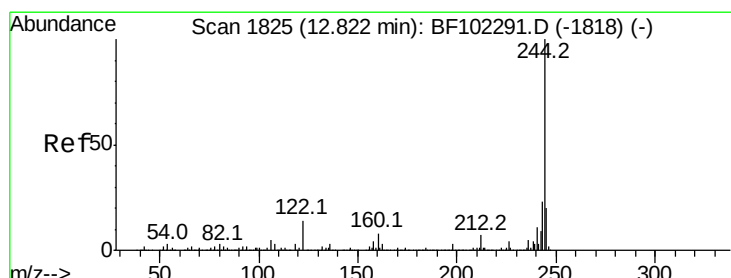
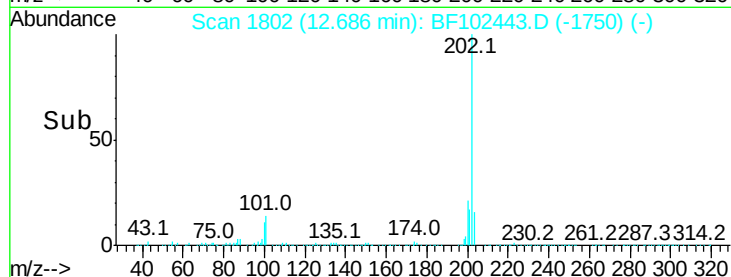
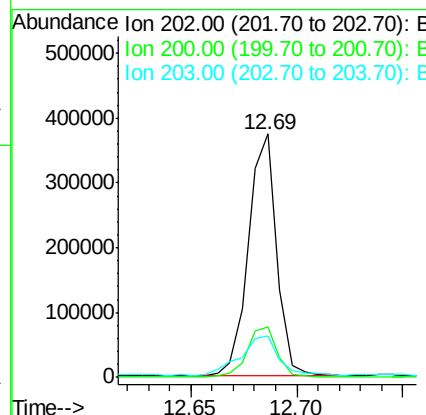
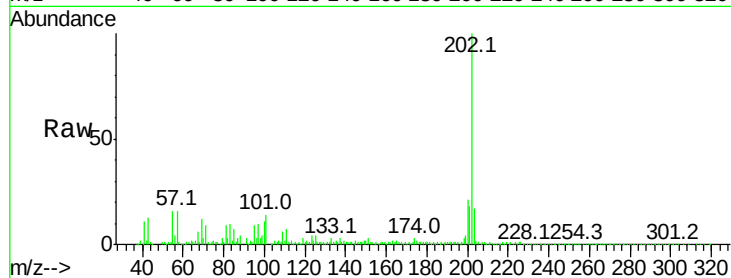
#77
Pvrene
Concen: 20.396 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion:	202	Resp:	349282
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.0	14.3	21.5

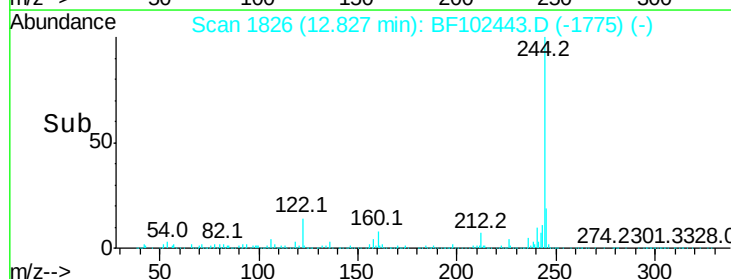
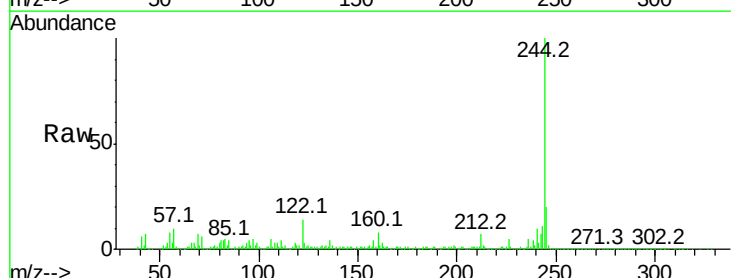
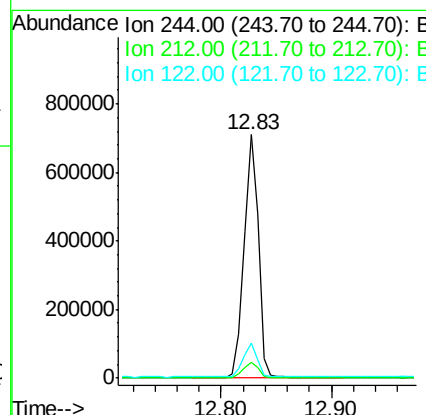
Manual Integrations
APPROVED

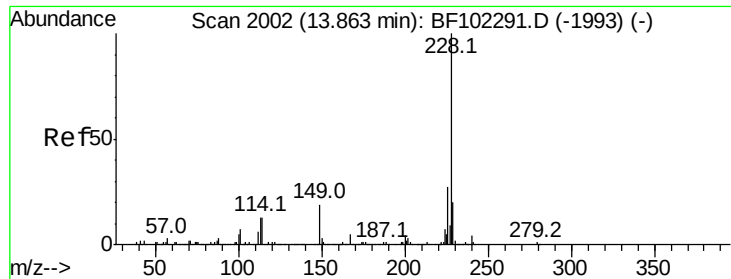
Sohil
1/26/2018 11:24:48 AM



#78
Terphenyl-d14
Concen: 66.186 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion:	244	Resp:	650283
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	14.1	11.0	16.4





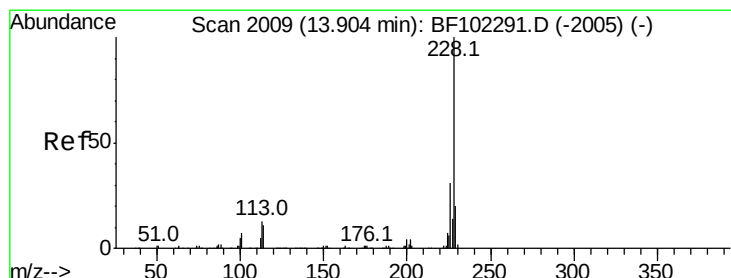
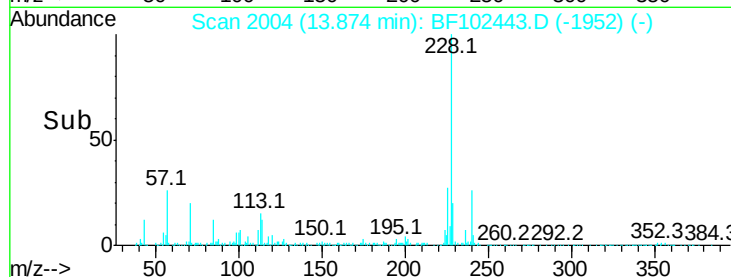
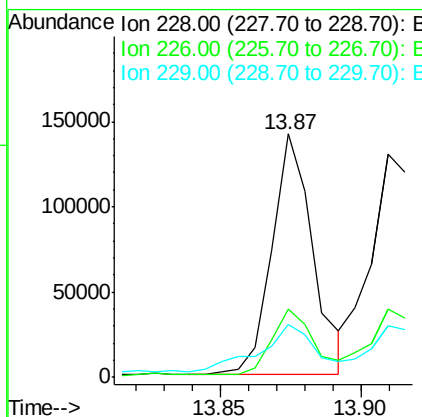
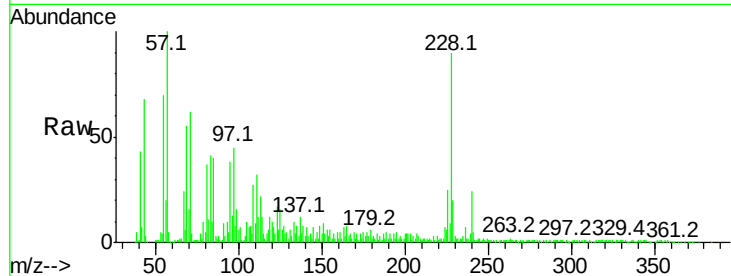
#80
Benzo(a)anthracene
Concen: 10.449 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	21.8	15.8	23.6

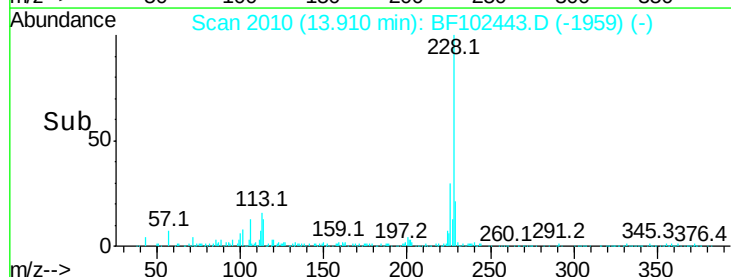
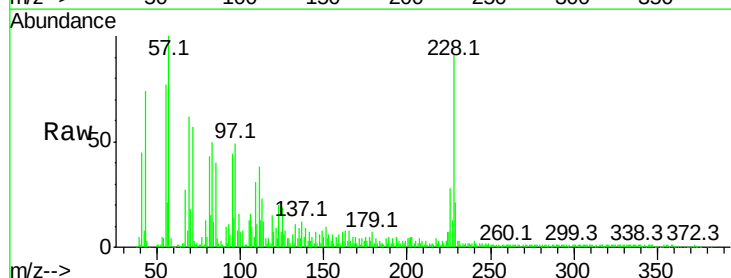
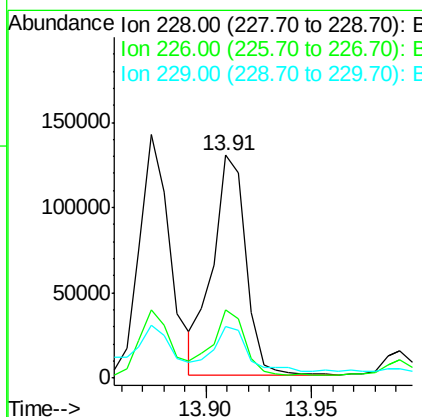
Manual Integrations
APPROVED

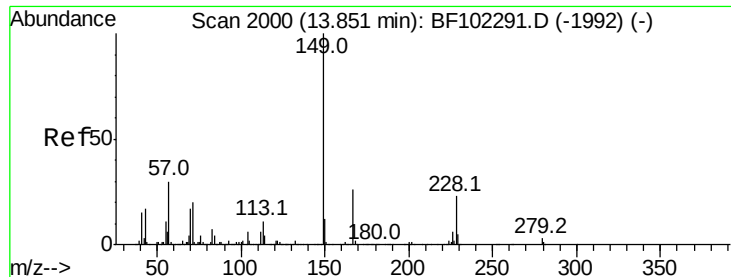
Sohil
1/26/2018 11:24:48 AM



#82
Chrysene
Concen: 10.209 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.3	16.2	24.4





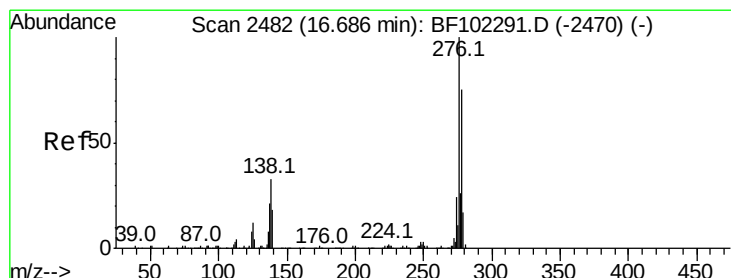
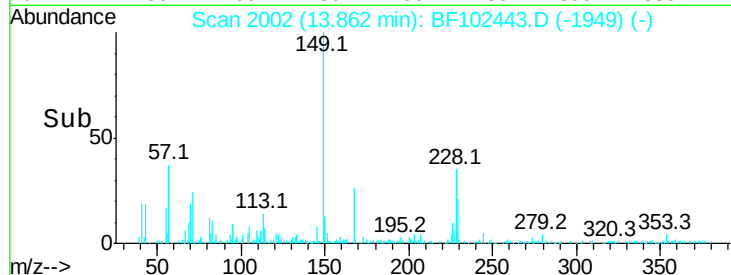
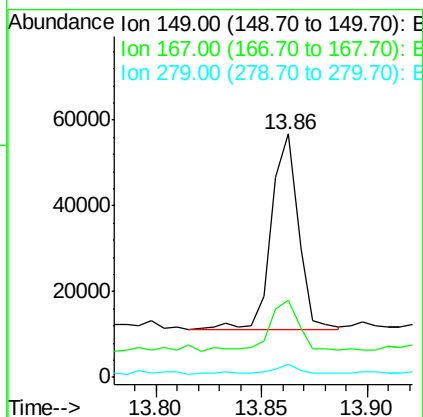
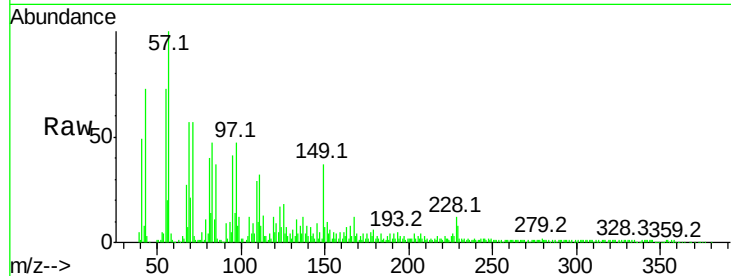
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.562 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF102443.D
 Acq: 26 Jan 2018 00:12

Instrument :
 BNA_F
 ClientSampleId :
 DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.6	21.3	31.9
279	5.3	3.0	4.4

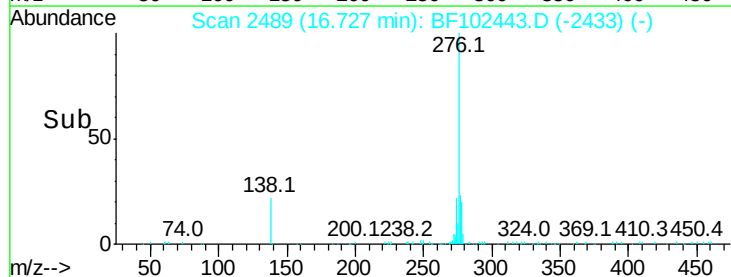
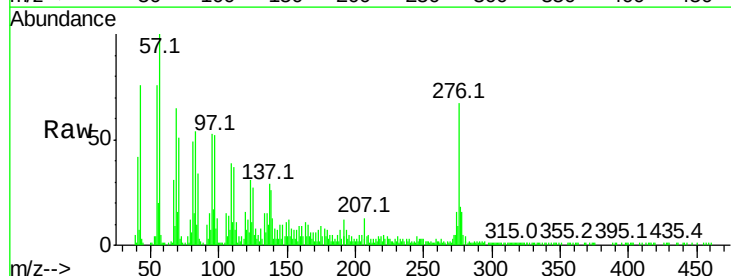
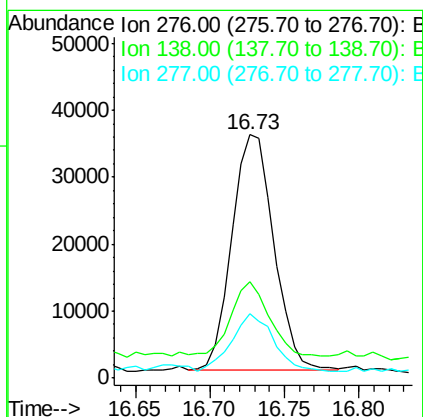
Manual Integrations
 APPROVED

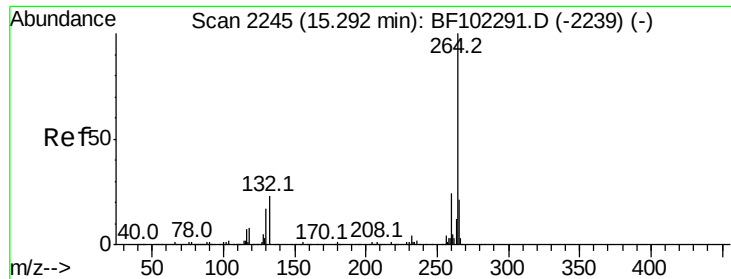
Sohil
 1/26/2018 11:24:48 AM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.024 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.03 min
 Lab File: BF102443.D
 Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	24.4	20.1	30.1





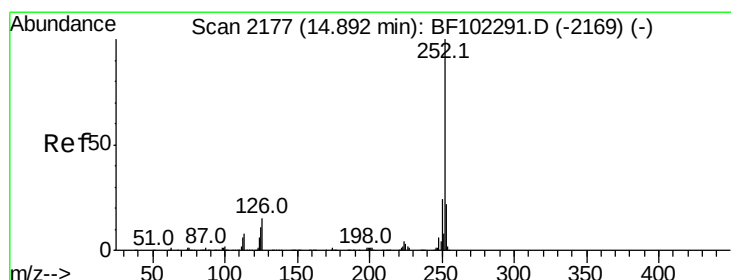
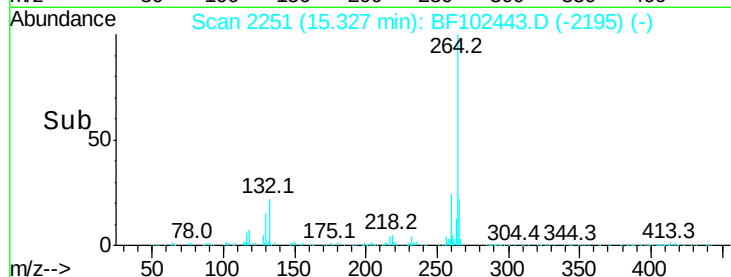
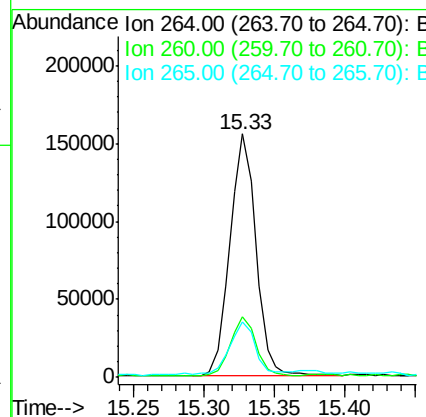
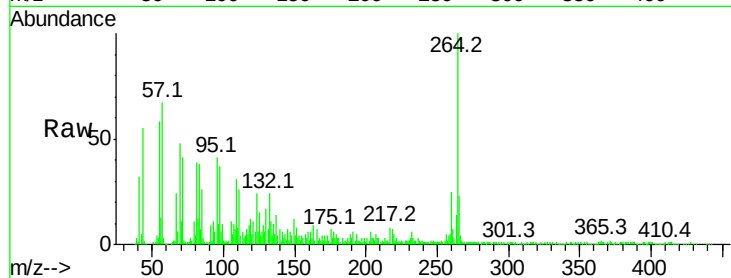
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.03 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.9	17.5	26.3

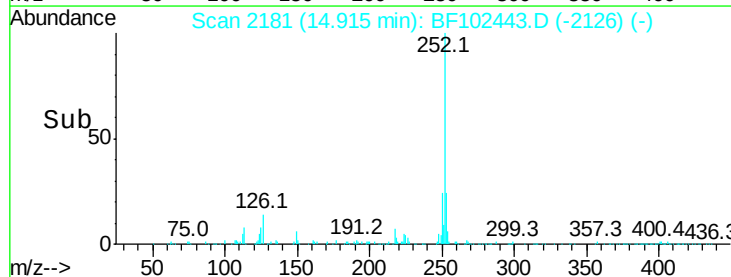
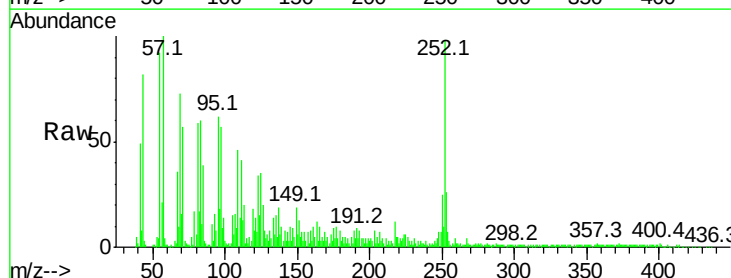
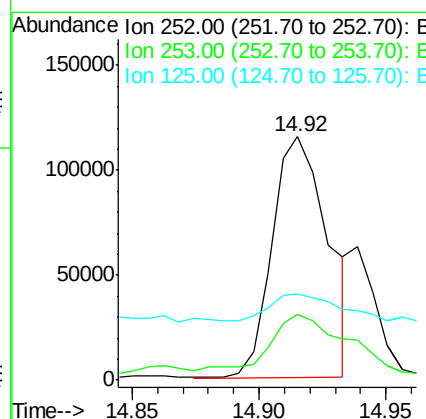
Manual Integrations
APPROVED

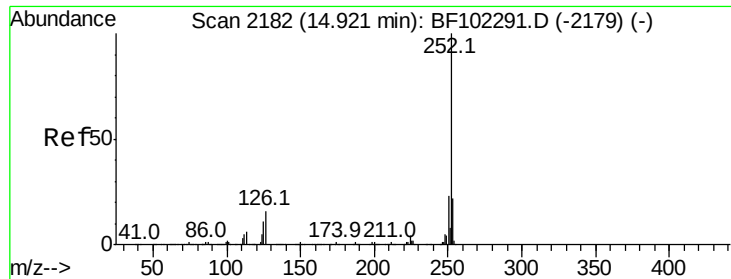
Sohil
1/26/2018 11:24:48 AM



#87
Benzo(b)fluoranthene
Concen: 13.811 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.6#
125	35.5	9.0	13.6#





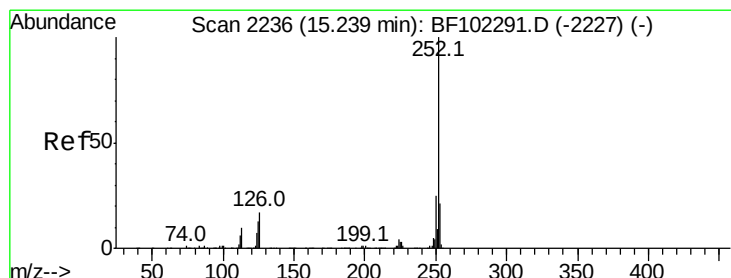
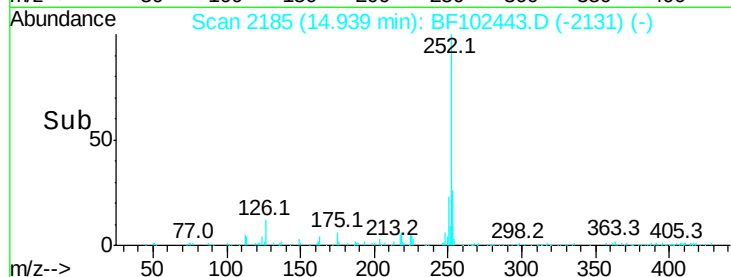
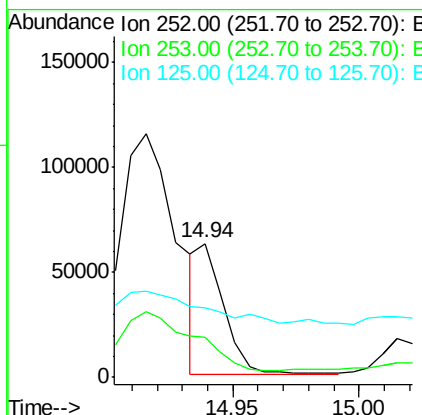
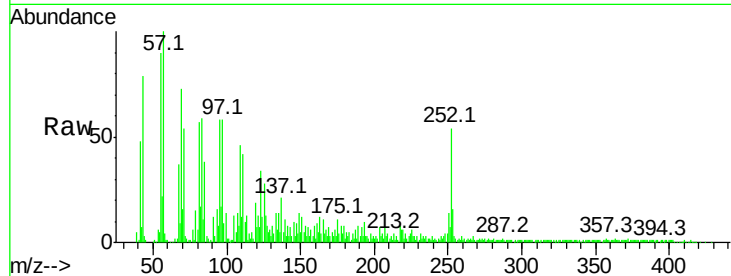
#88
Benzo(k)fluoranthene
Concen: 3.726 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.02 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :
DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.9	26.9#
125	52.4	10.2	15.2#

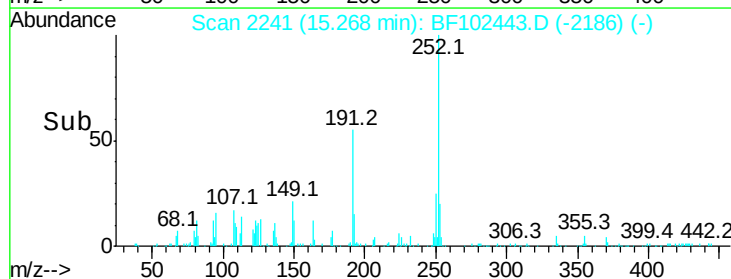
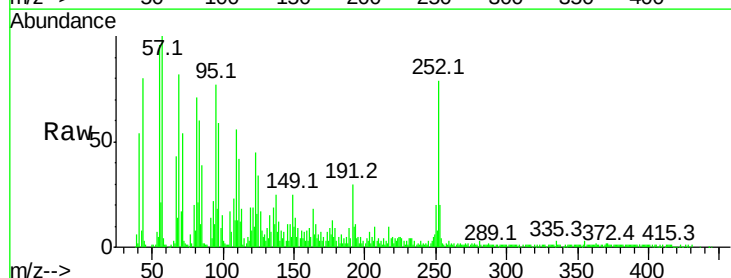
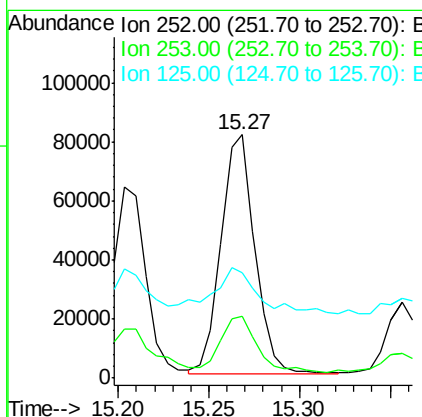
Manual Integrations
APPROVED

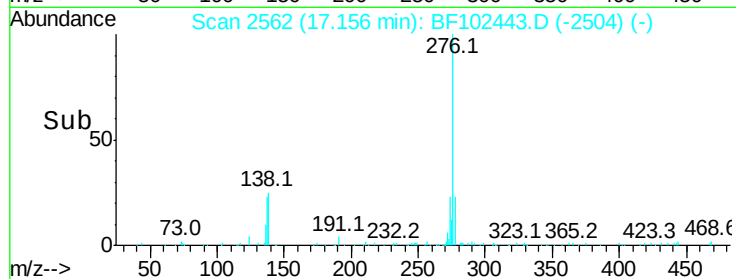
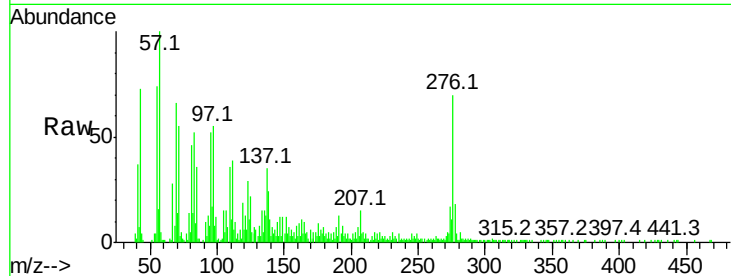
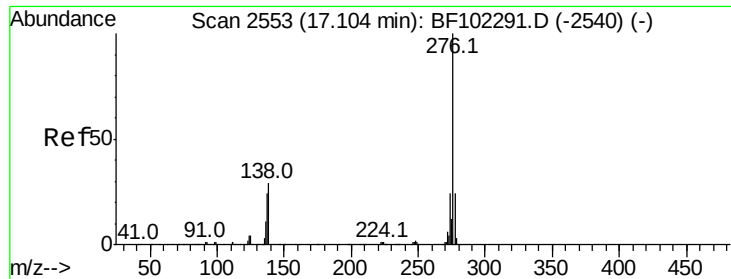
Sohil
1/26/2018 11:24:48 AM



#89
Benzo(a)pyrene
Concen: 9.160 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF102443.D
Acq: 26 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	43.2	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 7.294 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.04 min

Lab File: BF102443.D

Acq: 26 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

DB-OF-N-S-(WW4-8)RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	34.6	21.8	32.8

Manual Integrations
APPROVED

Sohil
1/26/2018 11:24:48 AM

