

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101317.D
 Acq On : 12 Dec 2017 6:30
 Operator : SJ/JU
 Sample : I6764-10 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)

Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:59:32 PM

Quant Time: Dec 12 07:48:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	41834	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	149585	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	61185	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	105248	20.00	ng	0.00
75) Chrysene-d12	14.02	240	82227	20.00	ng	0.02
86) Perylene-d12	15.50	264	64426	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	120743	47.69	ng	0.00
7) Phenol-d6	6.46	99	145138	47.22	ng	0.00
23) Nitrobenzene-d5	7.39	82	79166	31.57	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	28120	38.26	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	174021	38.91	ng	0.00
78) Terphenyl-d14	12.95	244	142379	37.87	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	20618	2.797	ng	99
48) Acenaphthylene	9.73	152	134763	20.598	ng	98
49) Dimethylphthalate	9.58	163	15638	3.169	ng	# 98
51) Acenaphthene	9.90	154	10128	2.585	ng	97
54) Dibenzofuran	10.07	168	12489	2.212	ng	# 96
57) Fluorene	10.42	166	16514	3.598	ng	98
70) Phenanthrene	11.39	178	331592	57.211	ng	98
71) Anthracene	11.44	178	113556	19.358	ng	96
72) Carbazole	11.60	167	41146	7.677	ng	99
74) Fluoranthene	12.59	202	807828	125.737	ng	96
77) Pyrene	12.83	202	771611	135.993	ng	99
80) Benzo(a)anthracene	14.01	228	404807	77.972	ng	96
82) Chrysene	14.05	228	370103	76.759	ng	98
83) Bis(2-ethylhexyl)phthalate	13.97	149	16722	4.688	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.00	276	197644	46.107	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	470646m	121.962	ng	
88) Benzo(k)fluoranthene	15.10	252	119118m	31.331	ng	
89) Benzo(a)pyrene	15.44	252	297219	84.720	ng	97
90) Dibenzo(a,h)anthracene	17.00	278	49990	16.163	ng	# 76
91) Benzo(a,h,i)perylene	17.46	276	189758	65.103	ng	# 90

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

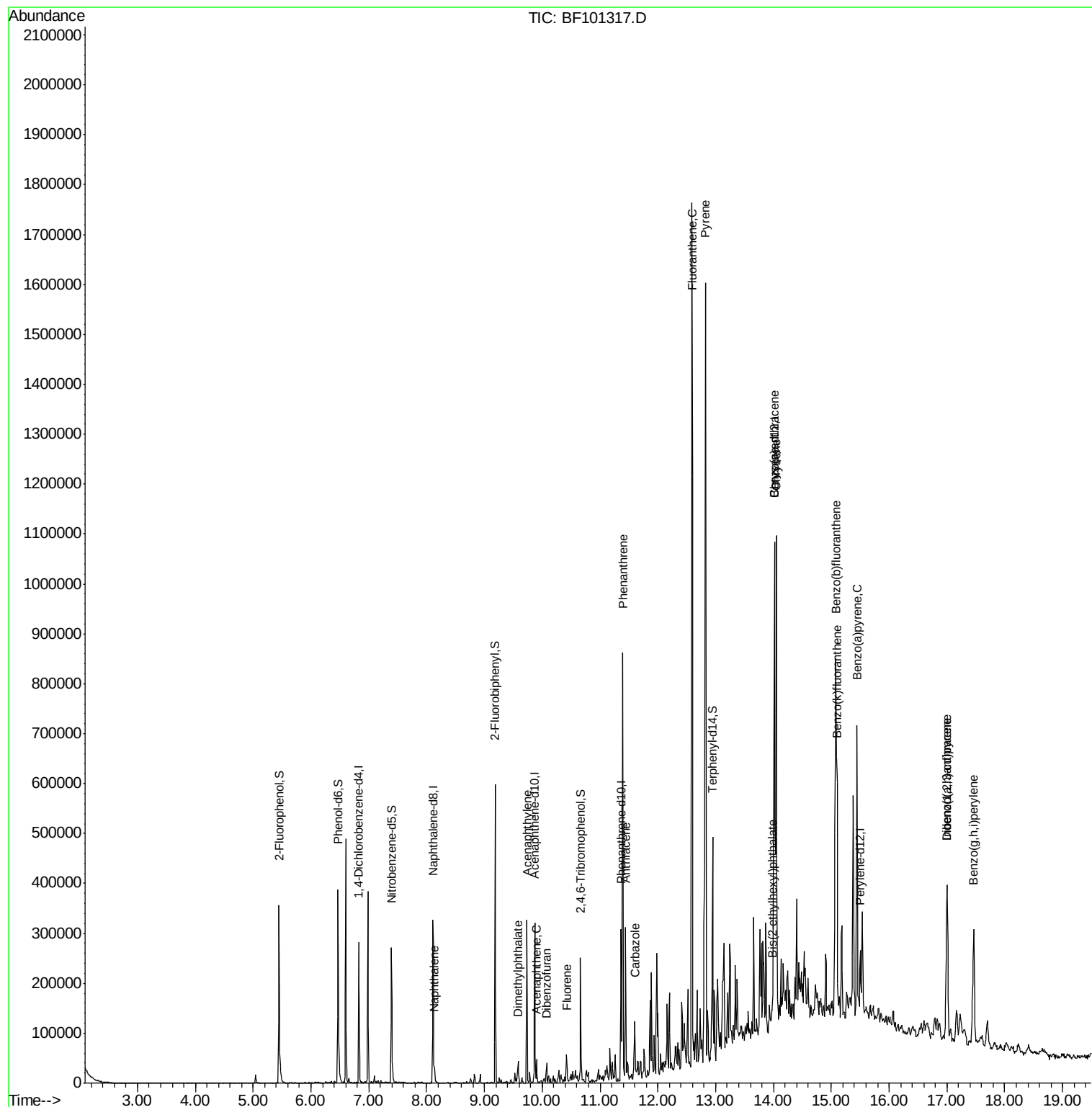
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101317.D
Acq On : 12 Dec 2017 6:30
Operator : SJ/JU
Sample : I6764-10 2X
Misc :
ALS Vial : 39 Sample Multiplier: 1

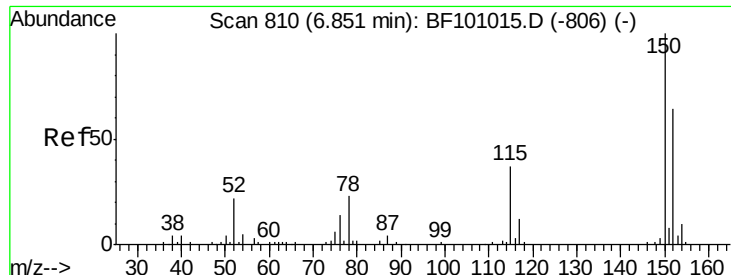
Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:32 PM

Quant Time: Dec 12 07:48:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 08 18:17:31 2017
Response via : Initial Calibration





#1

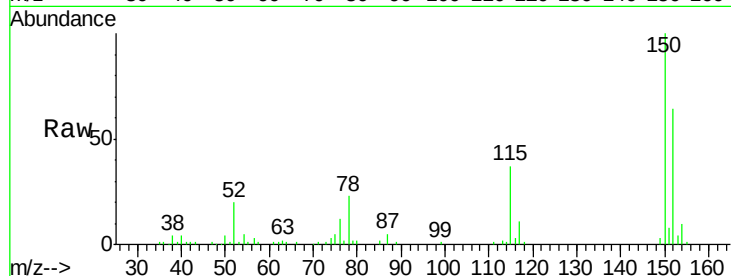
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	57.3	50.1	75.1

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:32 PM

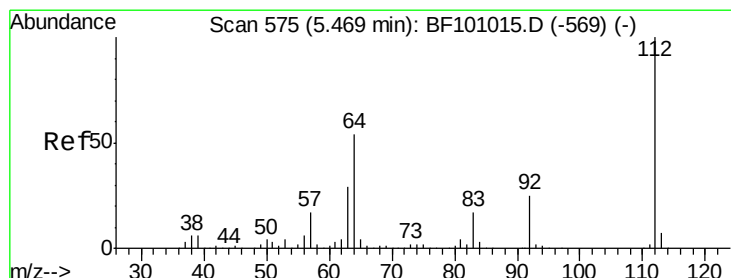
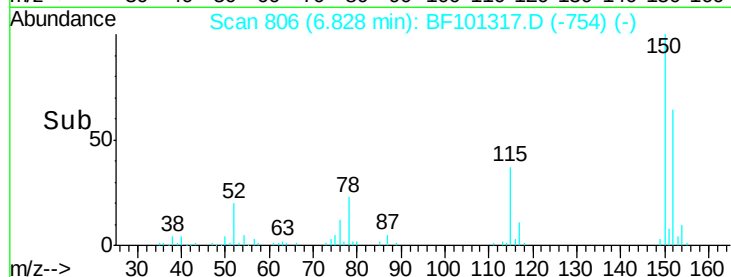
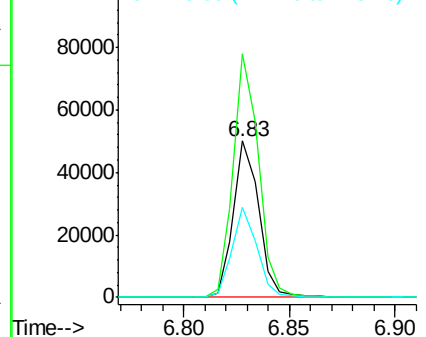


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

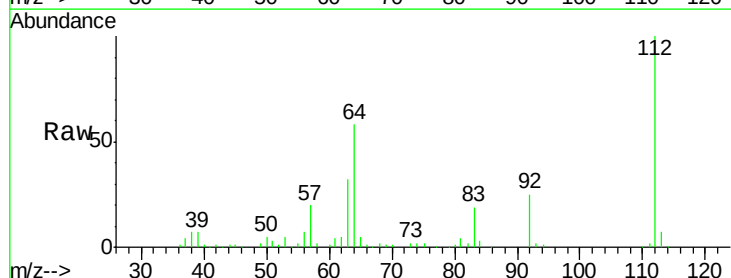
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.694 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	32.1	23.7	35.5

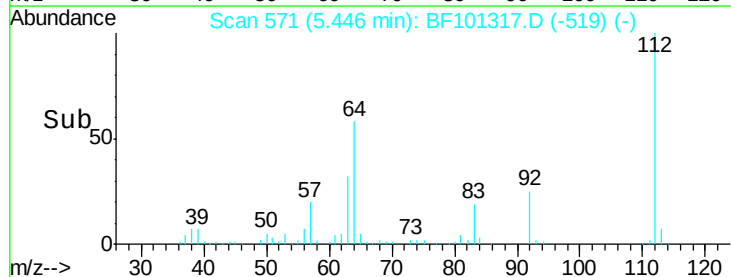
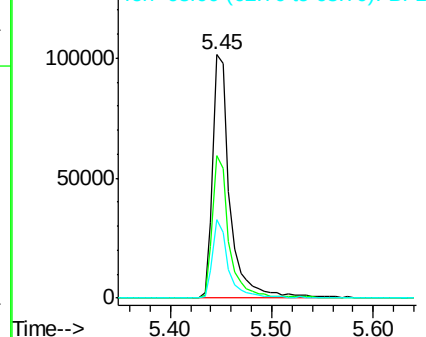


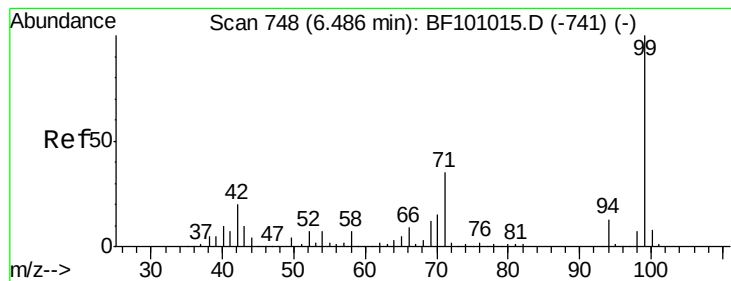
Abundance

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: 47.220 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101317.D

Acq: 12 Dec 2017 6:30

Instrument :

BNA_F

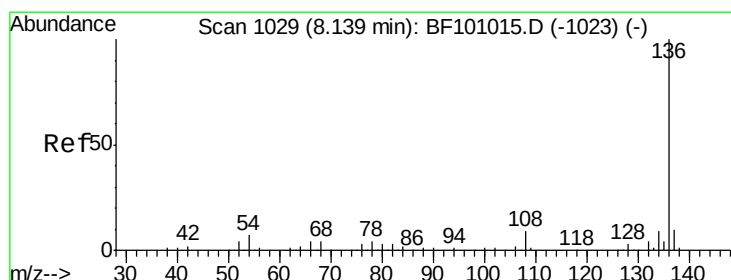
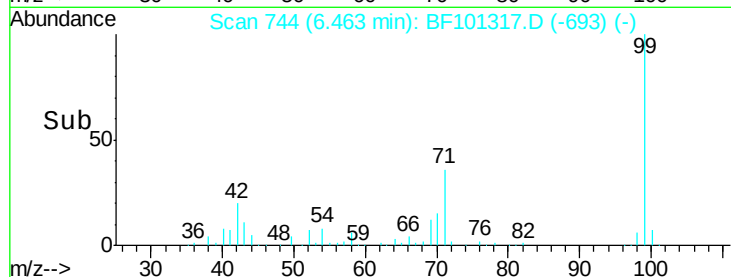
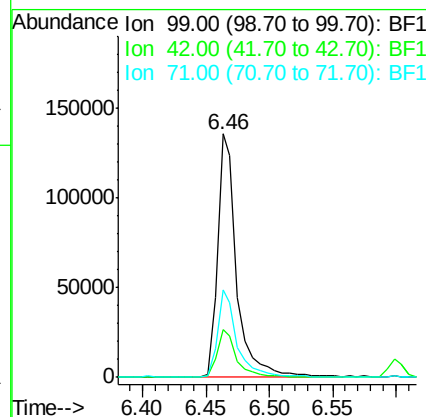
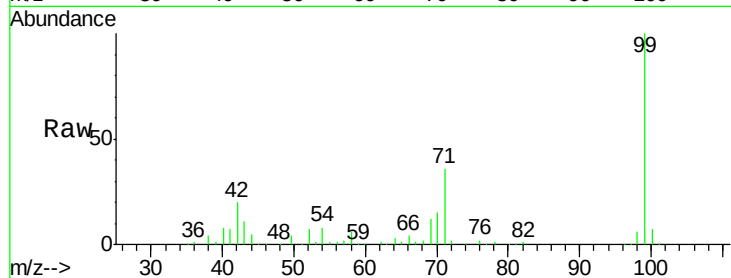
ClientSampleId :

MAP-3-E(4-5)

Tot Ion:	99	Resp:	145138
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	36.2	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:32 PM



#21

Naphthalene-d8

Concen: 20.000 ng

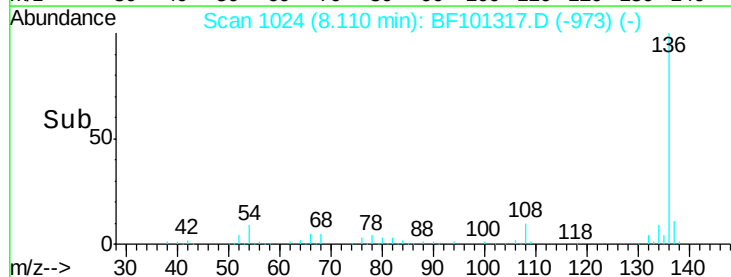
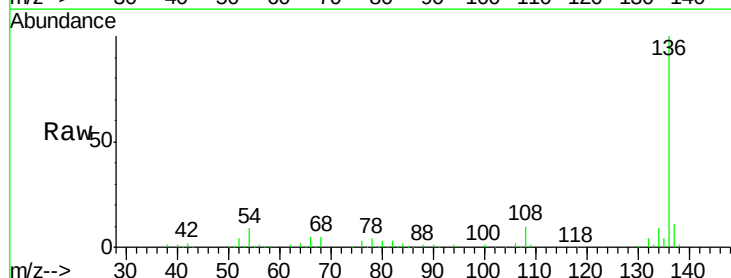
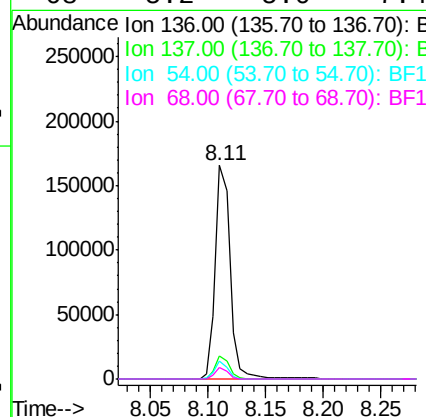
RT: 8.11 min Scan# 1024

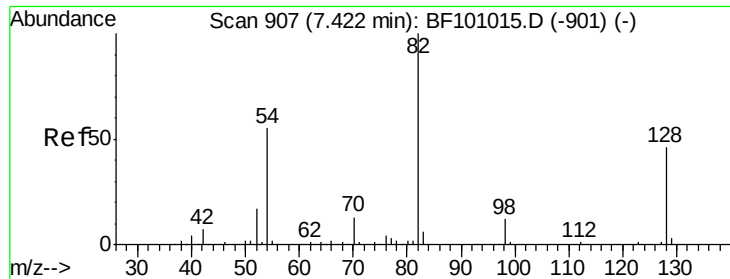
Delta R.T. 0.00 min

Lab File: BF101317.D

Acq: 12 Dec 2017 6:30

Tgt Ion:	136	Resp:	149585
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.6	6.6	9.8
68	5.2	5.0	7.4





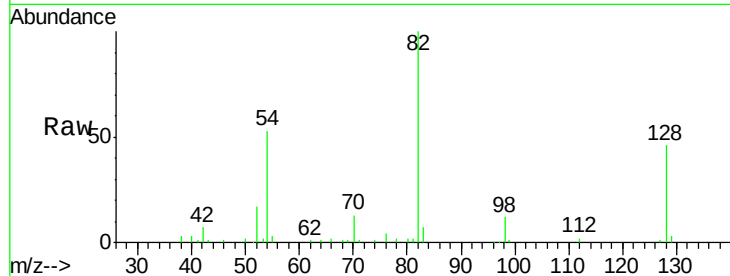
#23
 Nitrobenzene-d5
 Concen: 31.571 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF101317.D
 Acq: 12 Dec 2017 6:30

Instrument :
 BNA_F
 ClientSampleId :
 MAP-3-E(4-5)

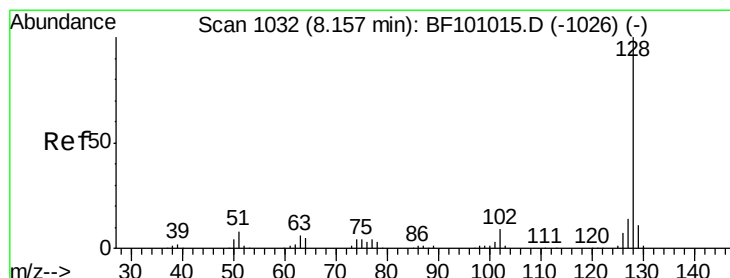
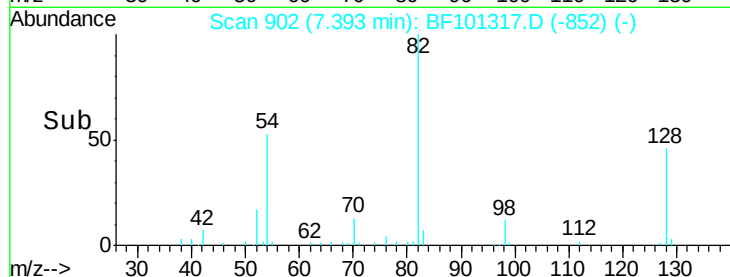
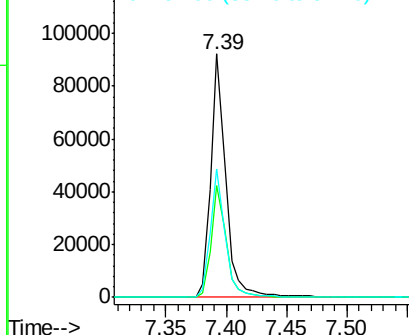
Tot Ion	82	Resp:	79166
Ion Ratio	100	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	52.8	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:59:32 PM

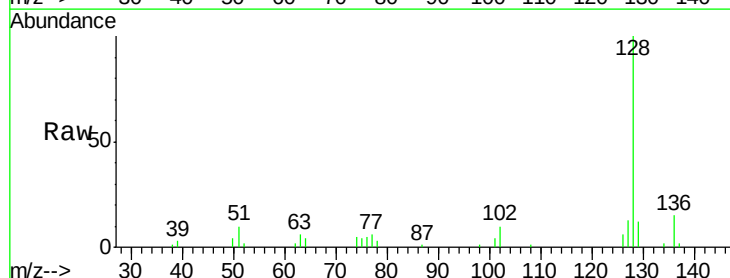


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

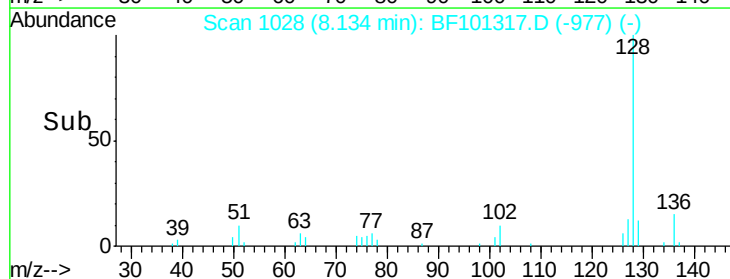
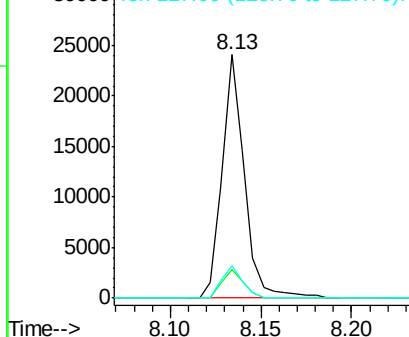


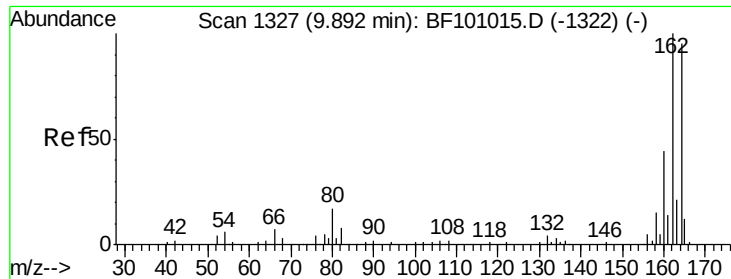
#31
 Naphthalene
 Concen: 2.797 ng
 RT: 8.13 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BF101317.D
 Acq: 12 Dec 2017 6:30

Tgt Ion	128	Resp:	20618
Ion Ratio	100	Lower	Upper
128	100		
129	11.8	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





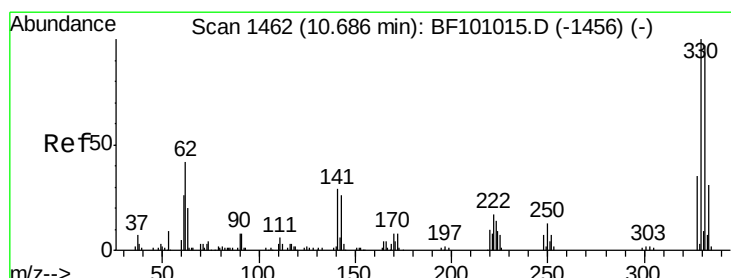
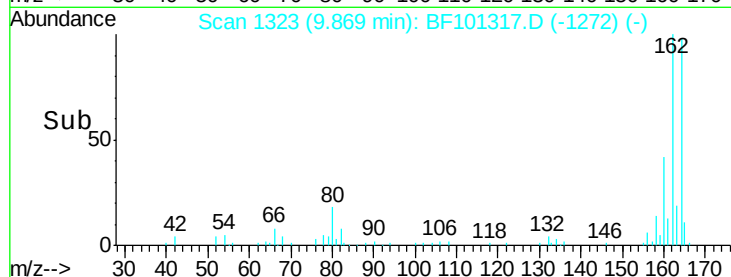
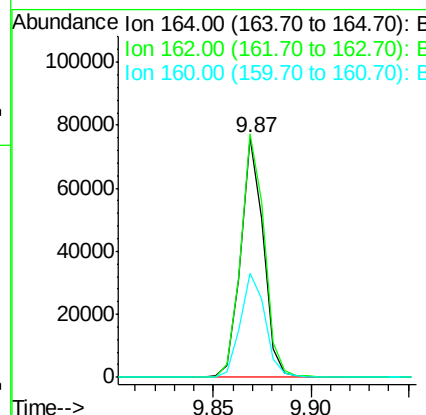
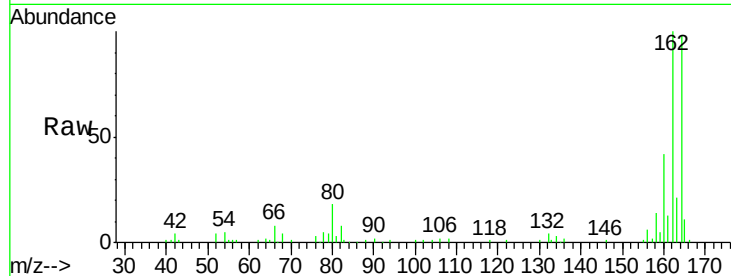
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	43.3	38.3	57.5

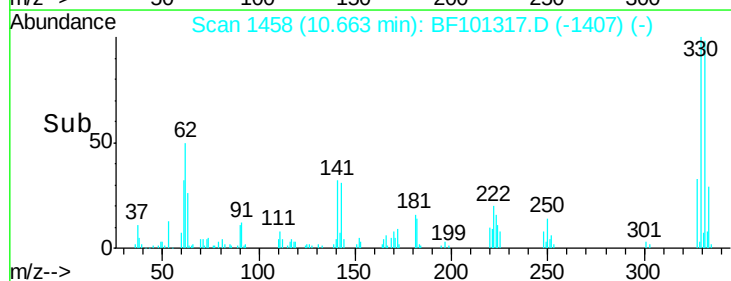
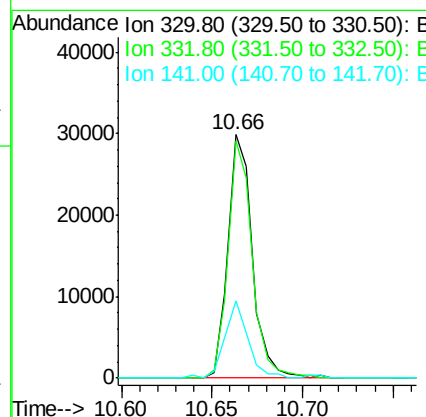
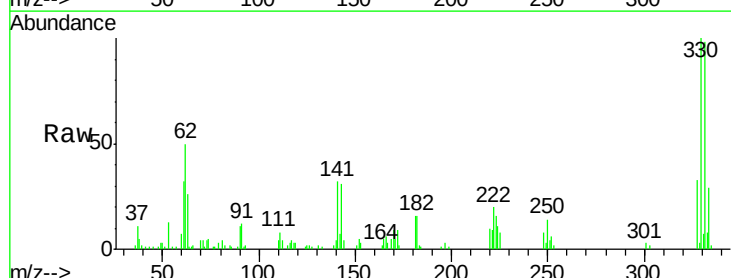
Manual Integrations
APPROVED

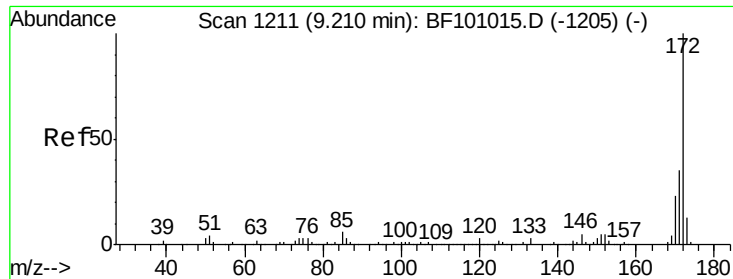
Sohil
12/12/2017 3:59:32 PM



#41
2,4,6-Tribromophenol
Concen: 38.258 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	30.2	29.9	44.9





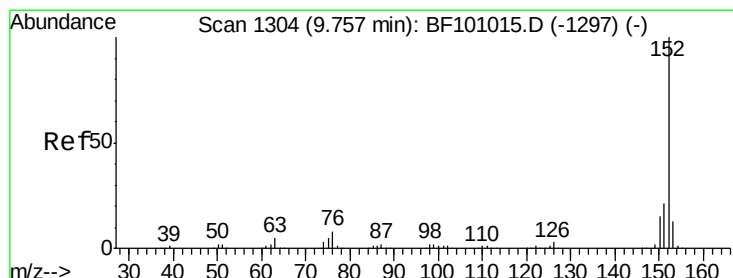
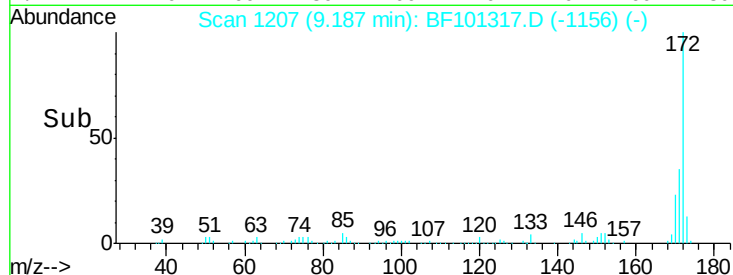
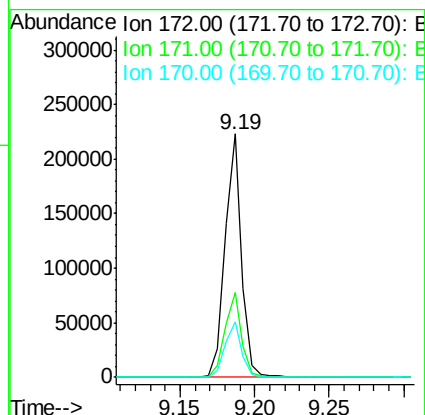
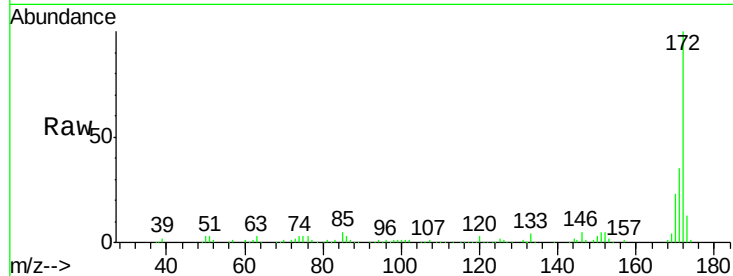
#44
2-Fluorobiphenyl
Concen: 38.914 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.8	19.6	29.4

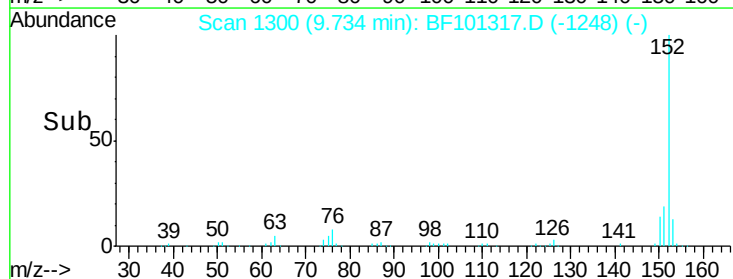
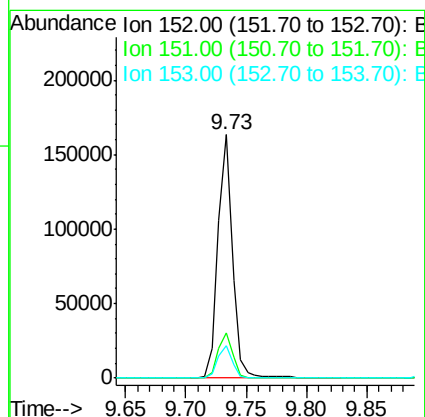
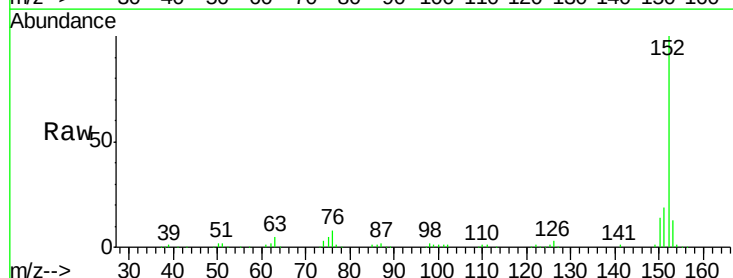
Manual Integrations
APPROVED

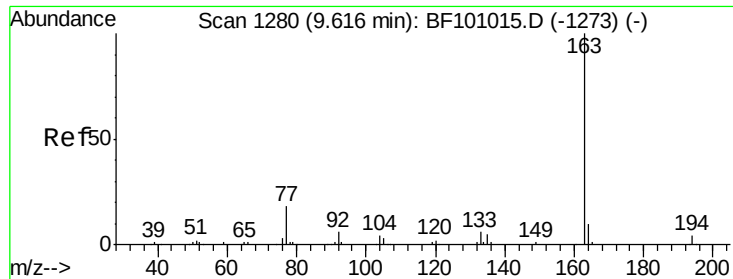
Sohil
12/12/2017 3:59:32 PM



#48
Acenaphthylene
Concen: 20.598 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.3	24.5
153	13.3	10.7	16.1





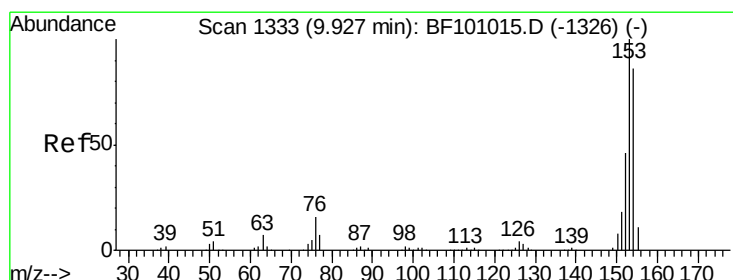
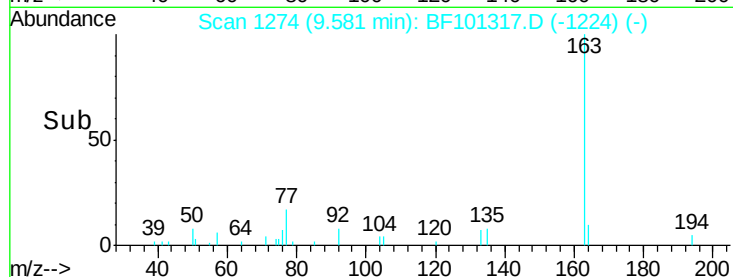
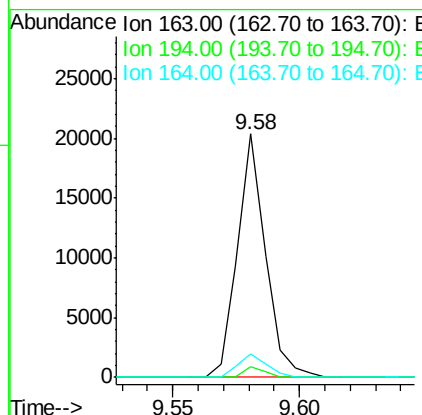
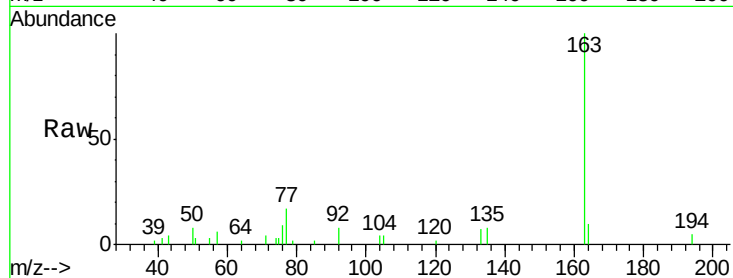
#49
Dimethylphthalate
Concen: 3.169 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampled :
MAP-3-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	15638		
194	4.6		2.7	4.1#
164	9.6		8.2	12.2

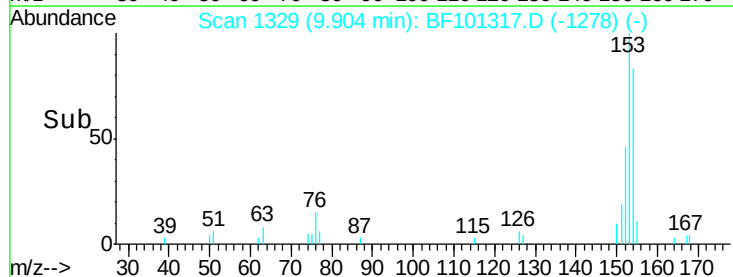
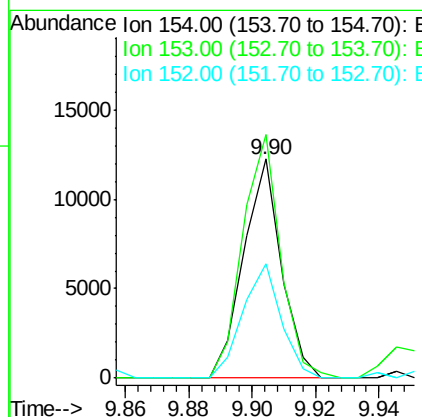
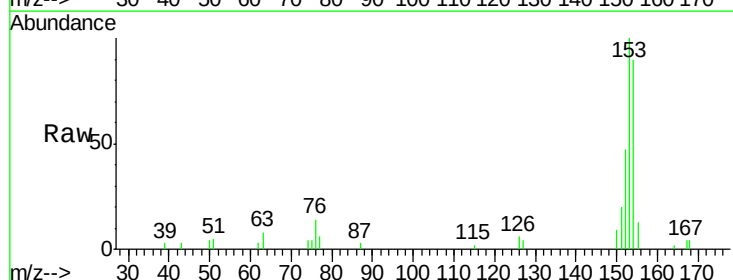
Manual Integrations
APPROVED

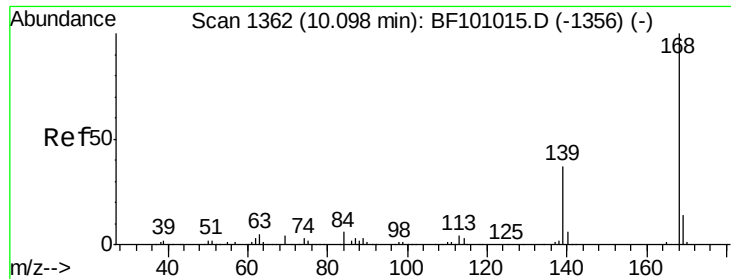
Sohil
12/12/2017 3:59:32 PM



#51
Acenaphthene
Concen: 2.585 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	10128		
153	111.3		91.2	136.8
152	52.4		43.8	65.8





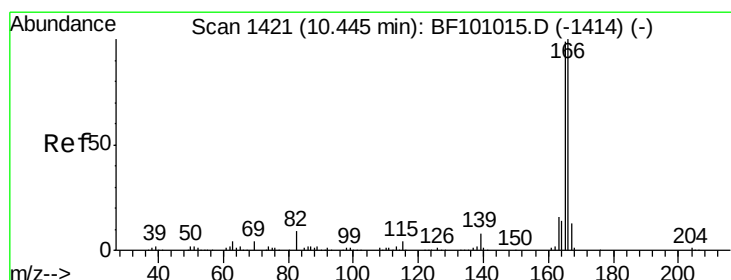
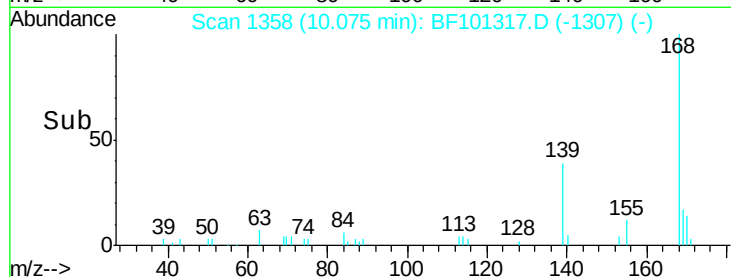
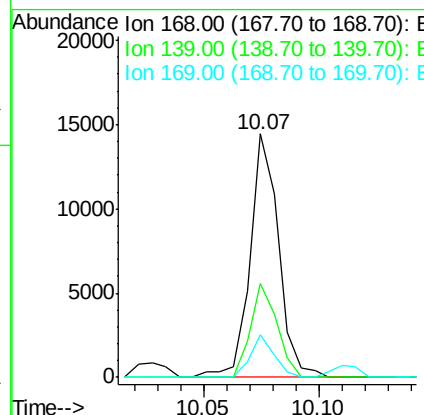
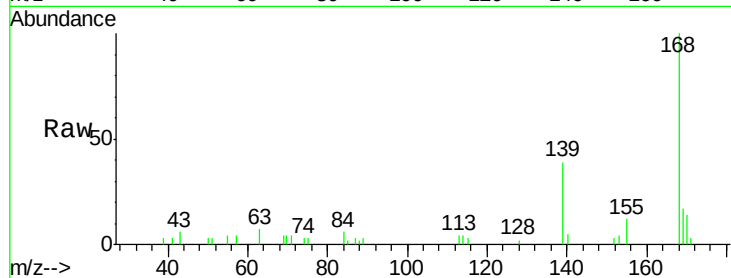
#54
Dibenzenofuran
Concen: 2.212 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.1	45.1
169	17.4	10.9	16.3

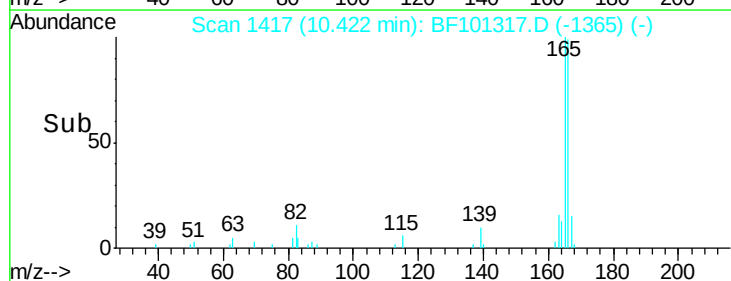
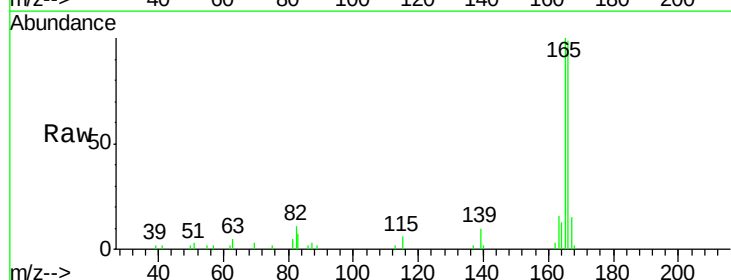
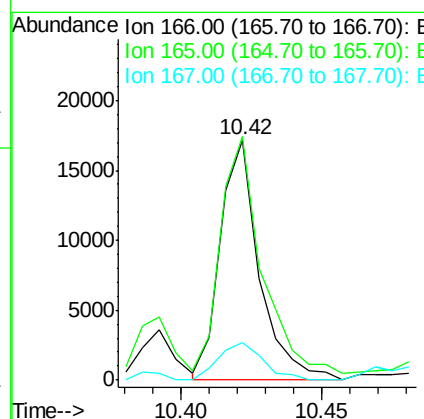
Manual Integrations
APPROVED

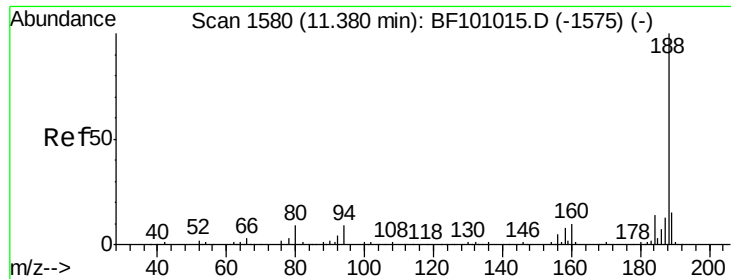
Sohil
12/12/2017 3:59:32 PM



#57
Fluorene
Concen: 3.598 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.8	119.8
167	15.5	10.6	16.0





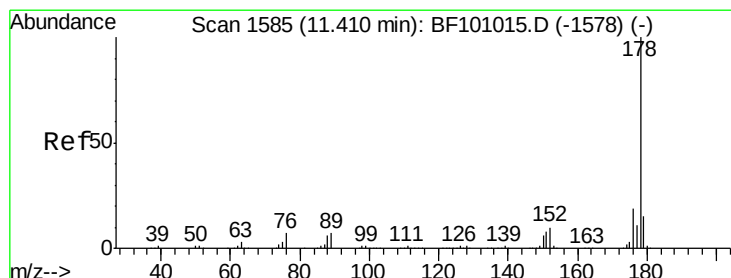
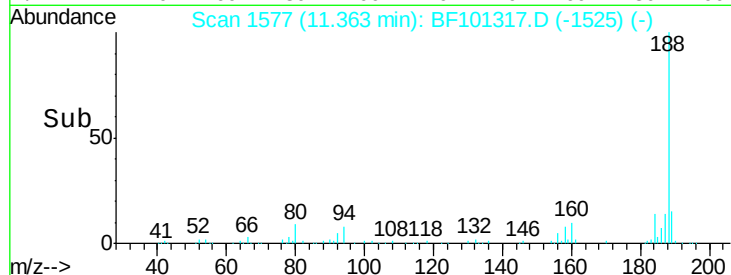
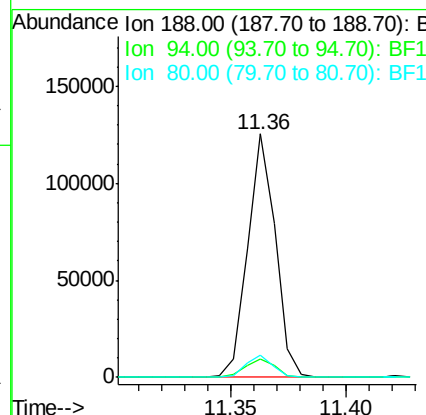
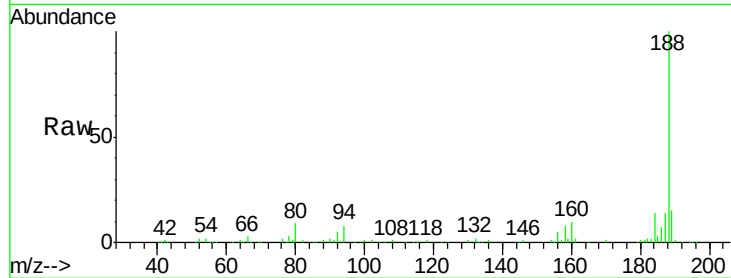
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	9.2	9.2	13.8#

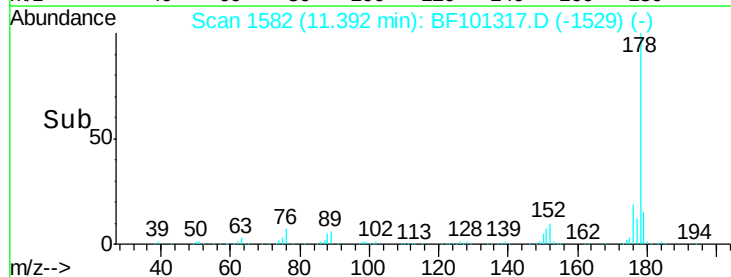
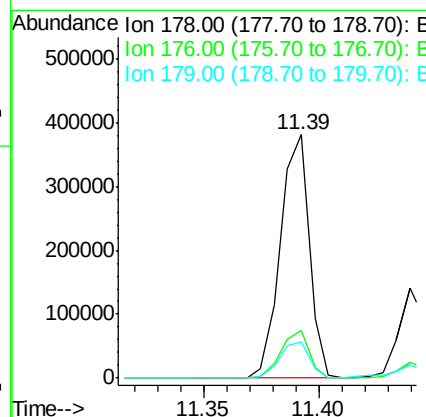
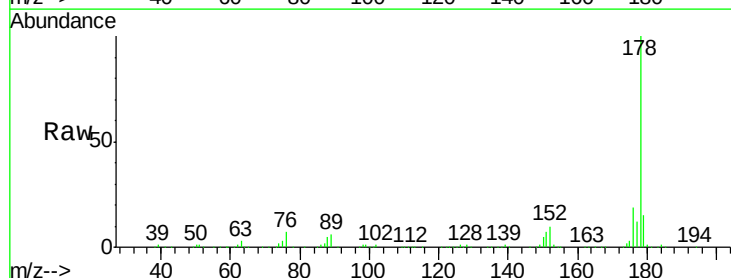
Manual Integrations
APPROVED

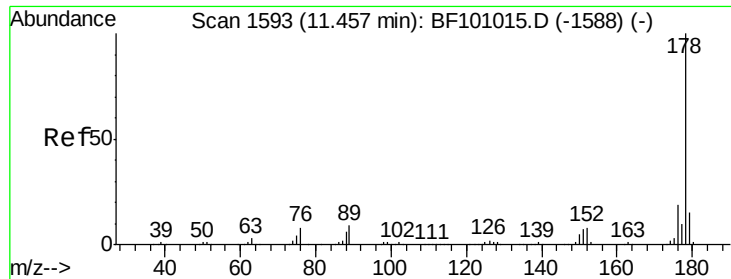
Sohil
12/12/2017 3:59:32 PM



#70
Phenanthrene
Concen: 57.211 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.7	13.0	19.6





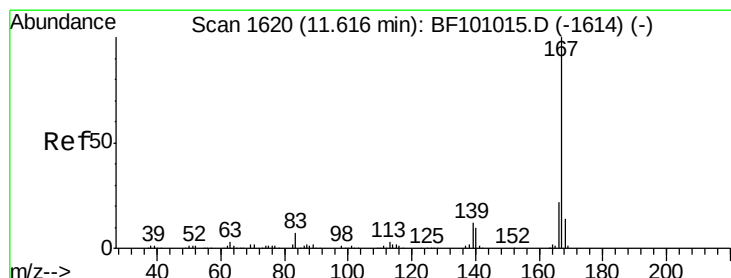
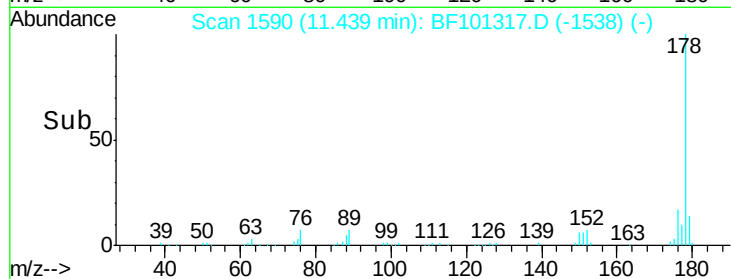
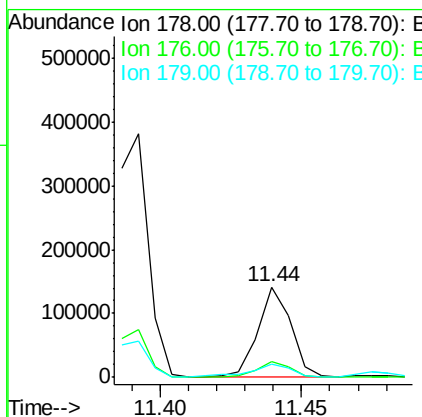
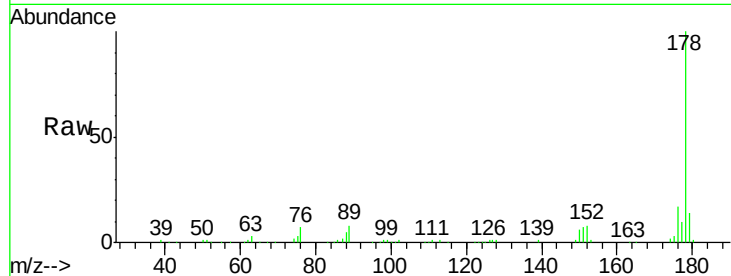
#71
 Anthracene
 Concen: 19.358 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF101317.D
 Acq: 12 Dec 2017 6:30

Instrument :
 BNA_F
 ClientSampled :
 MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	14.3	12.6	19.0

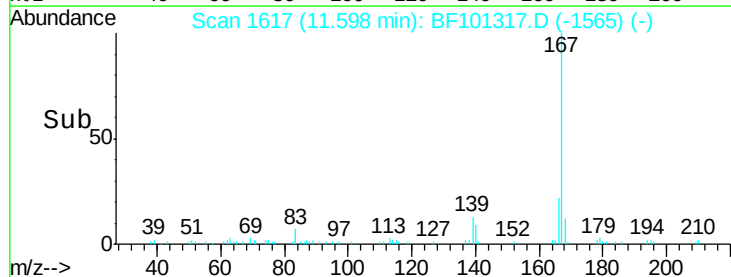
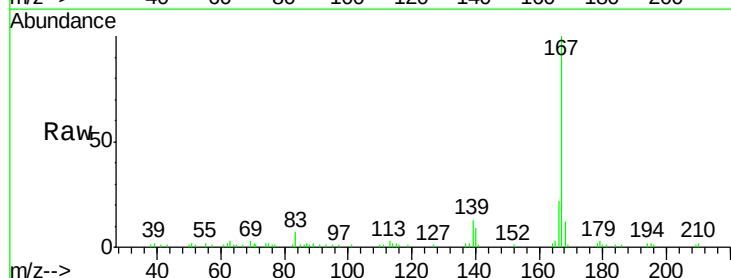
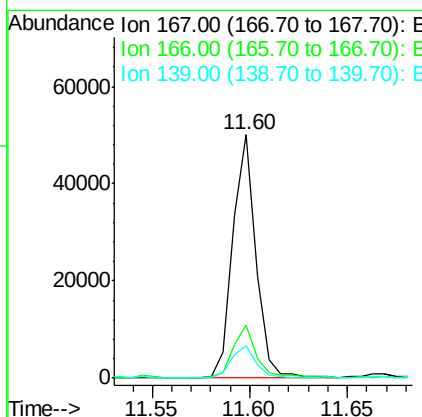
Manual Integrations
 APPROVED

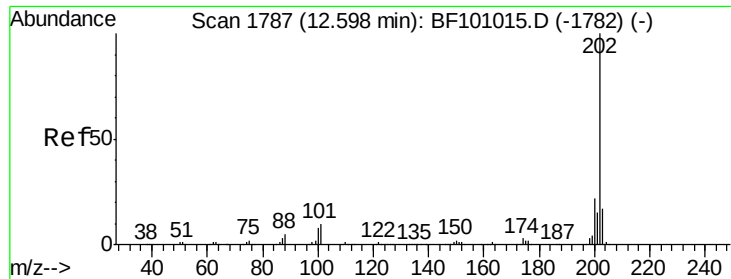
Sohil
 12/12/2017 3:59:32 PM



#72
 Carbazole
 Concen: 7.677 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. 0.01 min
 Lab File: BF101317.D
 Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	13.1	10.9	16.3





#74

Fluoranthene

Concen: 125.737 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.02 min

Lab File: BF101317.D

Acq: 12 Dec 2017 6:30

Instrument :

BNA_F

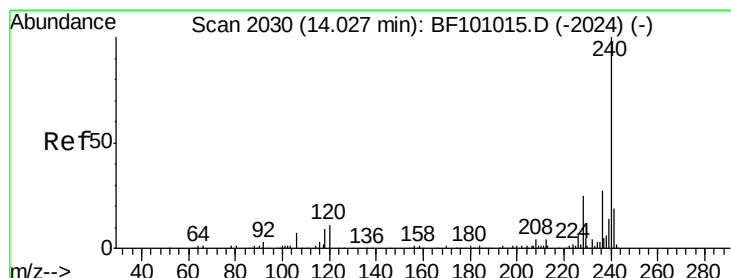
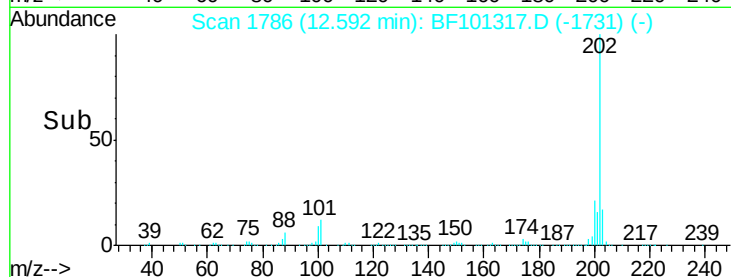
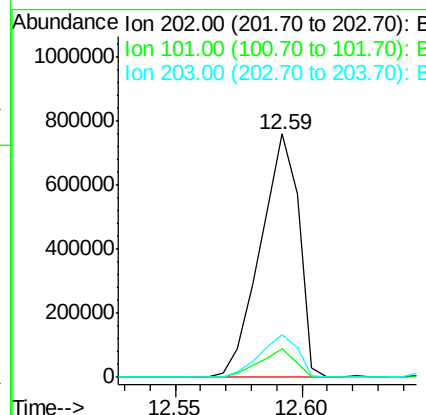
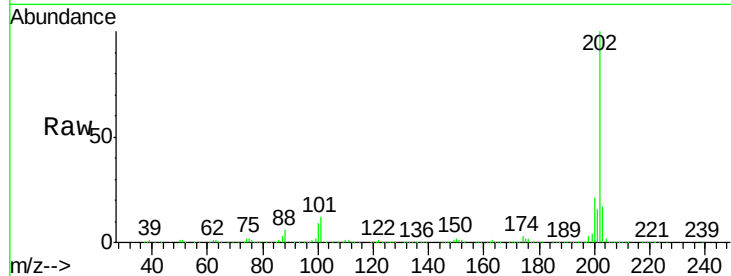
ClientSampleId :

MAP-3-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:32 PM



#75

Chrysene-d12

Concen: 20.000 ng

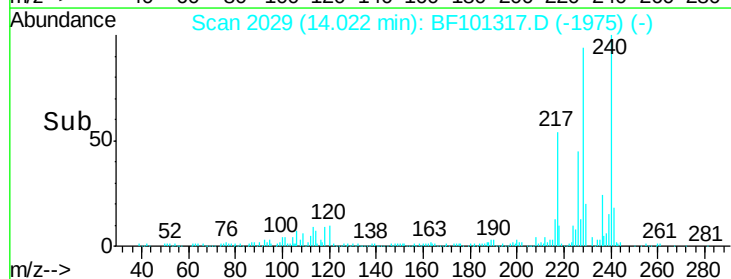
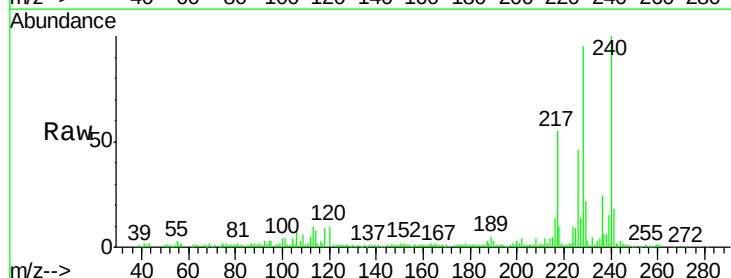
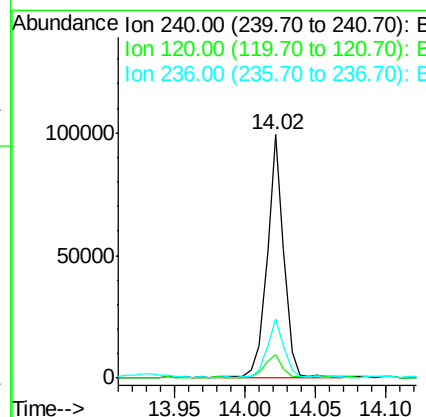
RT: 14.02 min Scan# 2029

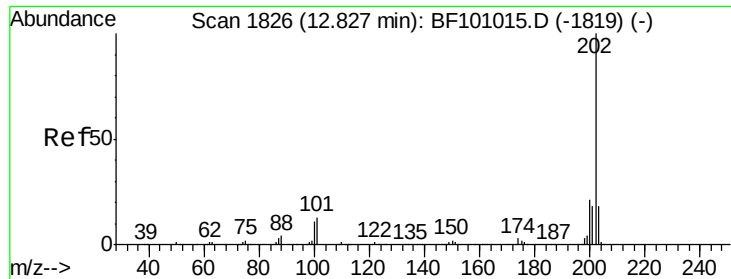
Delta R.T. 0.02 min

Lab File: BF101317.D

Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	9.5	14.3
236	24.4	20.7	31.1





#77

Pvrene

Concen: 135.993 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.02 min

Lab File: BF101317.D

Acq: 12 Dec 2017 6:30

Instrument :

BNA_F

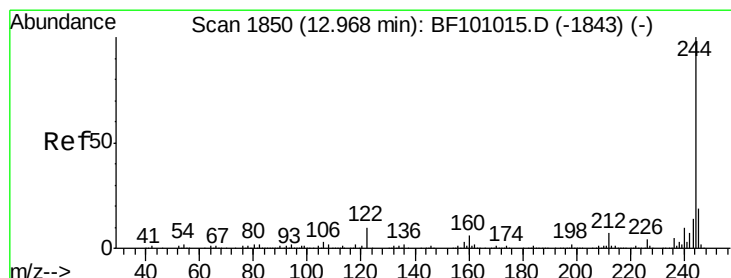
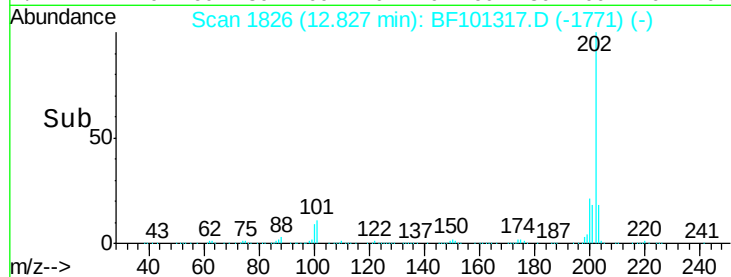
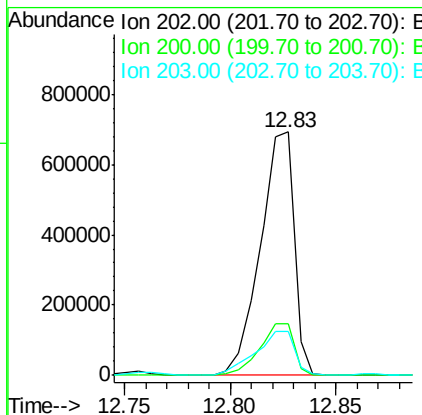
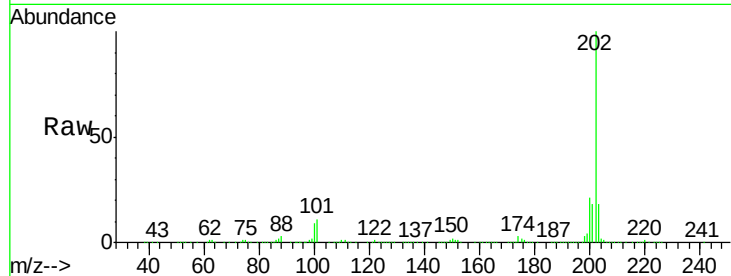
ClientSampleId :

MAP-3-E(4-5)

Tot Ion:	202	Resp:	771611
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.1	14.3	21.5

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:32 PM



#78

Terphenyl-d14

Concen: 37.873 ng

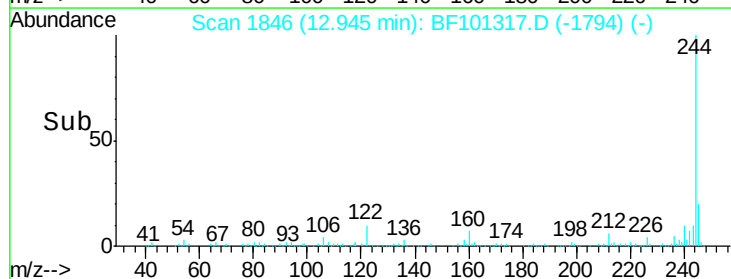
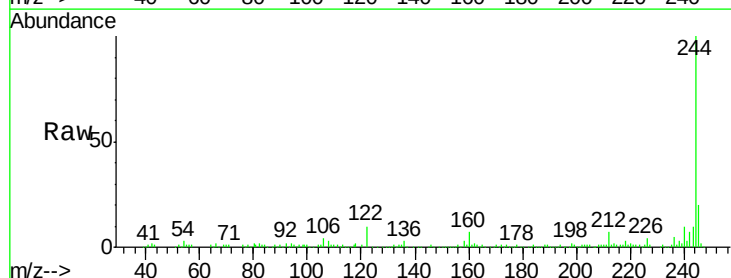
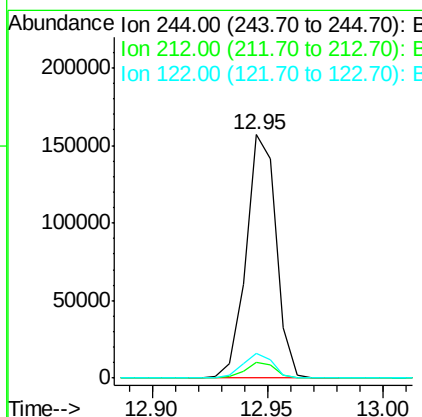
RT: 12.95 min Scan# 1846

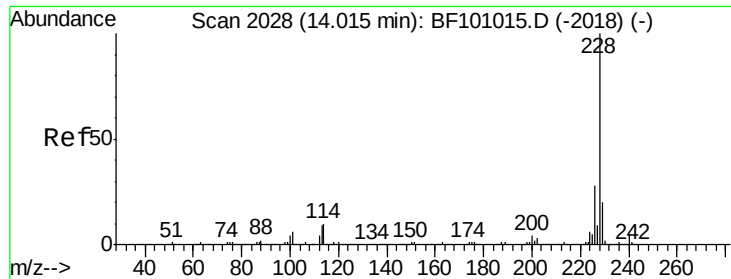
Delta R.T. 0.01 min

Lab File: BF101317.D

Acq: 12 Dec 2017 6:30

Tgt Ion:	244	Resp:	142379
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	11.0	16.4#





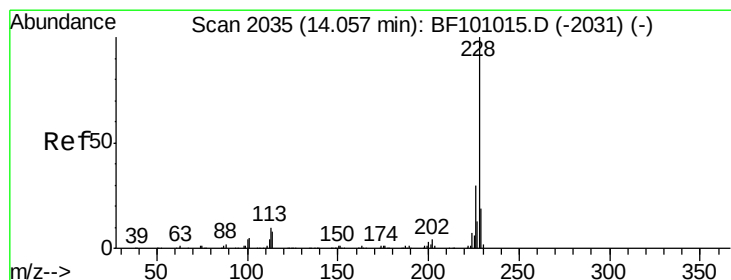
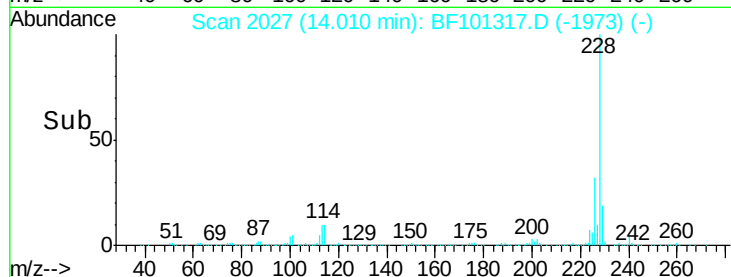
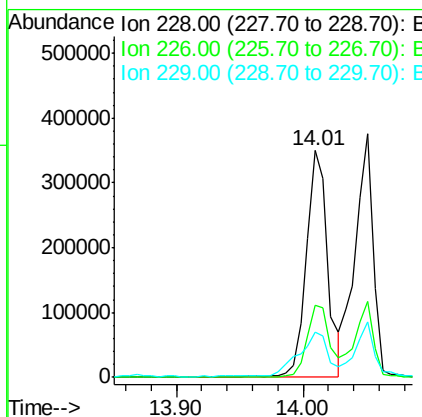
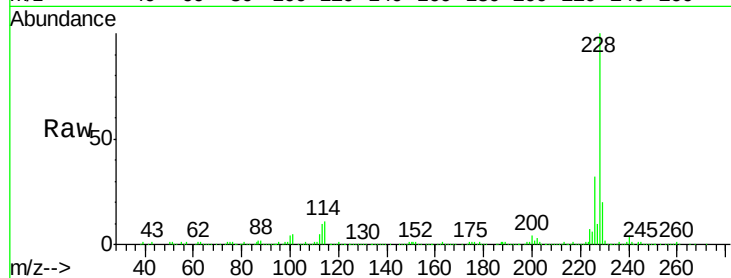
#80
Benzo(a)anthracene
Concen: 77.972 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	19.9	15.8	23.6

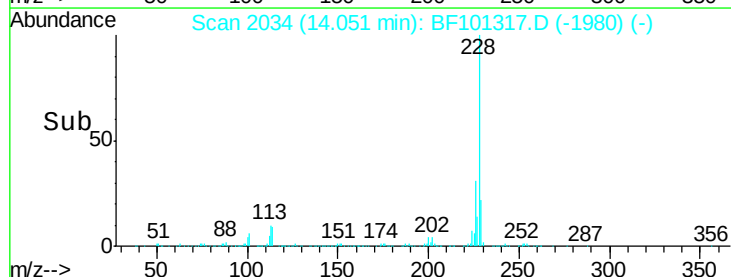
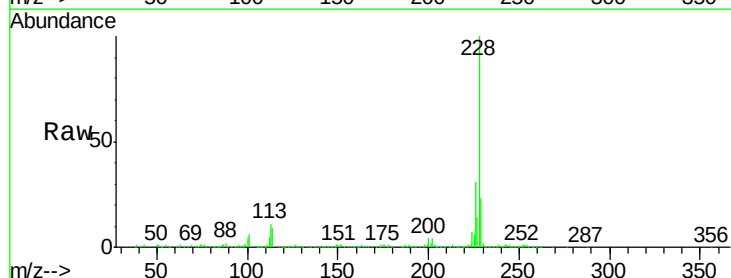
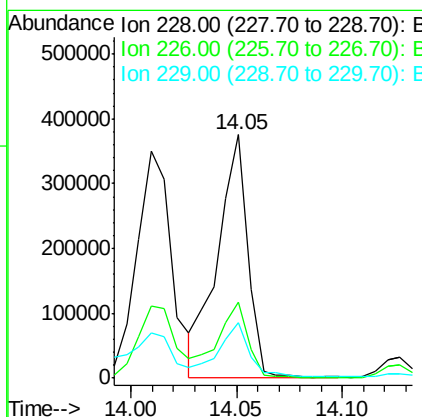
Manual Integrations
APPROVED

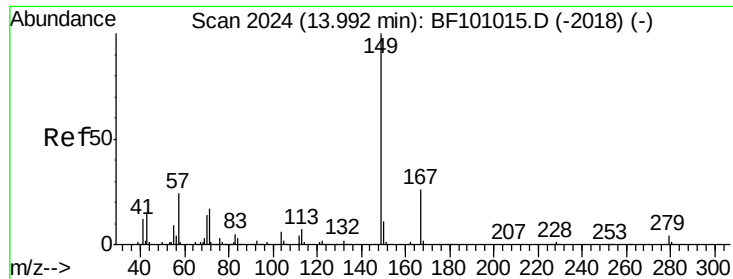
Sohil
12/12/2017 3:59:32 PM



#82
Chrysene
Concen: 76.759 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.7	16.2	24.4





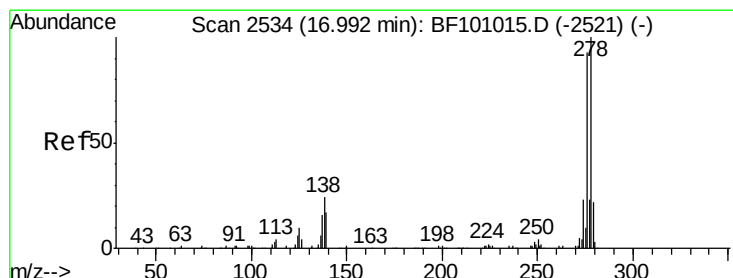
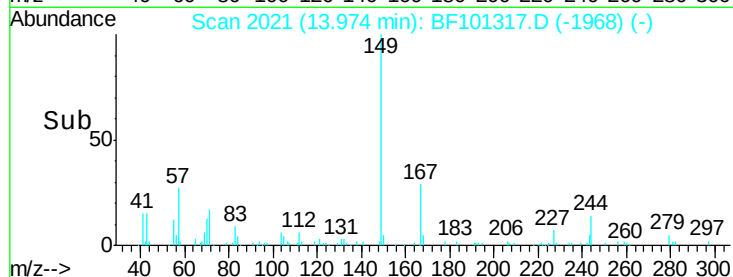
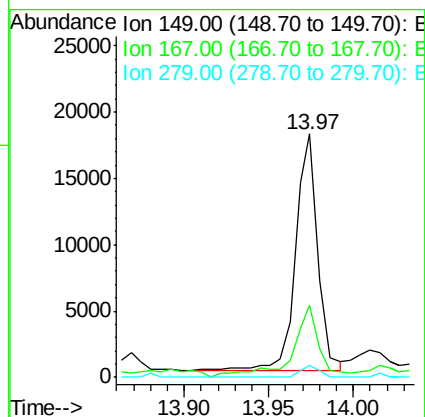
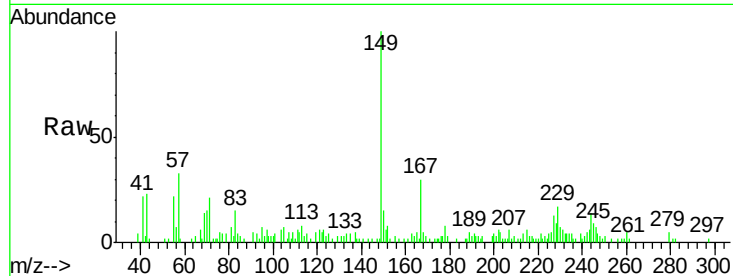
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.688 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.8	21.3	31.9
279	4.7	3.0	4.4

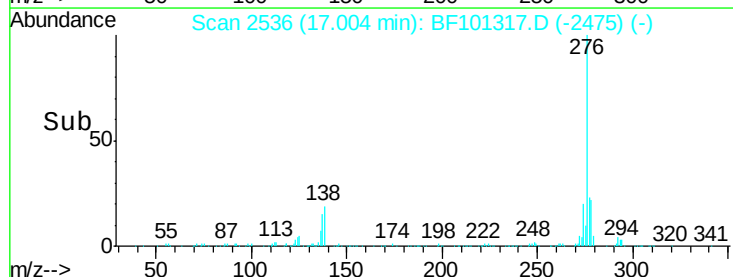
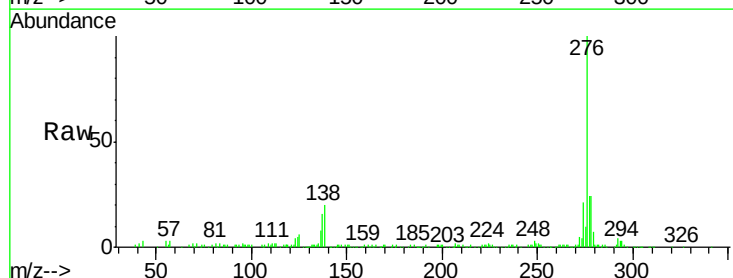
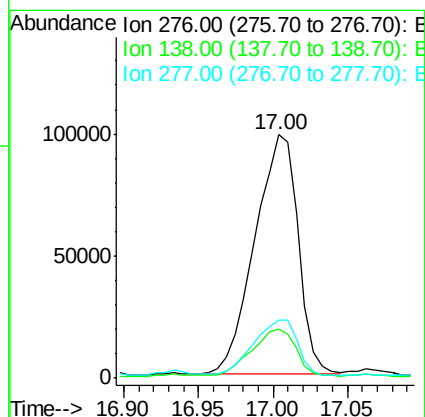
Manual Integrations
APPROVED

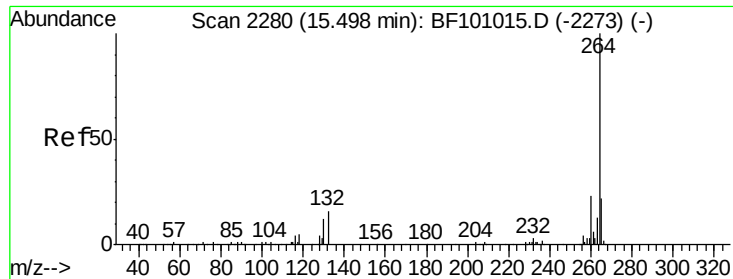
Sohil
12/12/2017 3:59:32 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 46.107 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.06 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.0	37.6
277	23.4	20.1	30.1





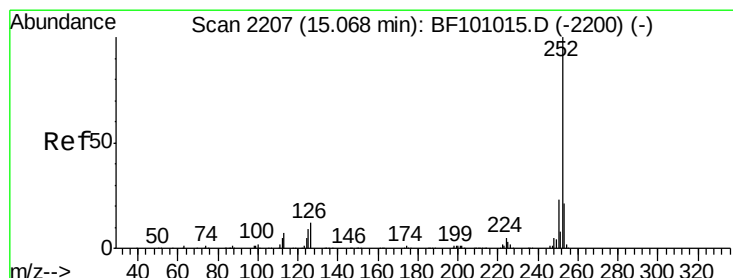
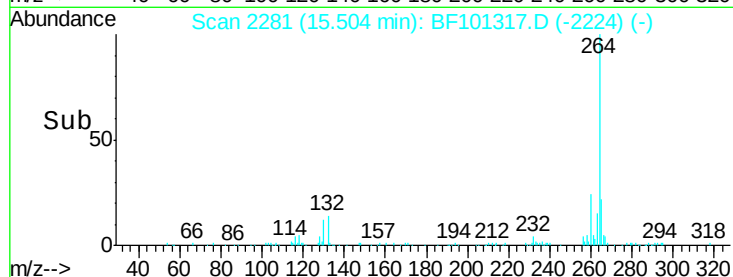
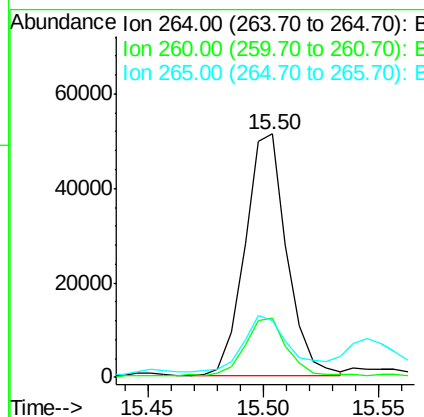
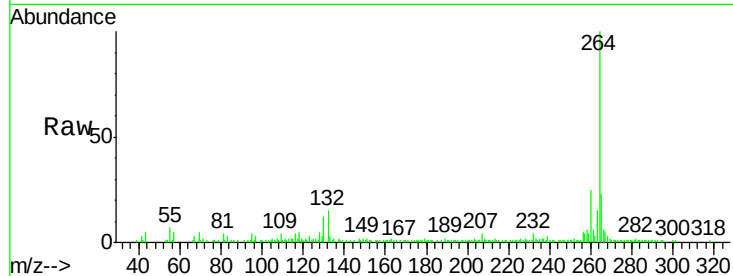
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.04 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion:	264	Resp:	64426
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	23.5	17.5	26.3

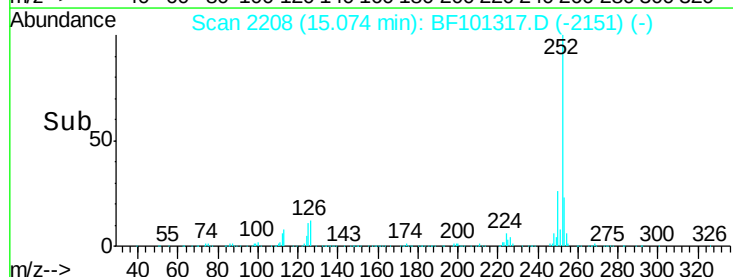
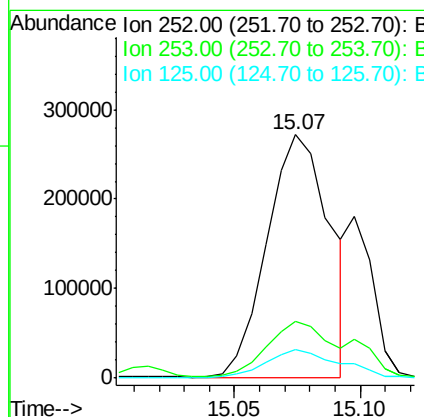
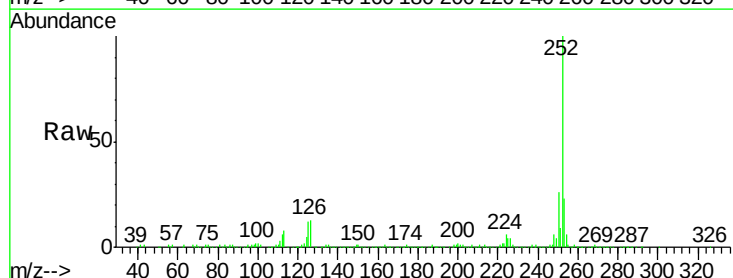
Manual Integrations
APPROVED

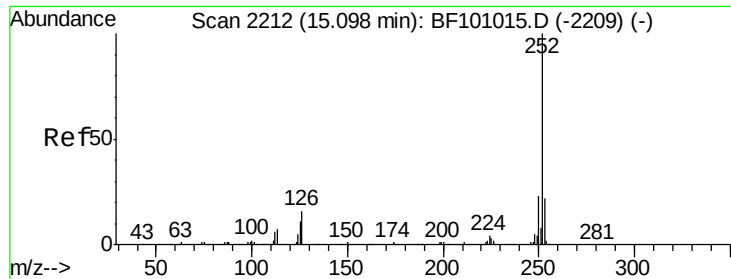
Sohil
12/12/2017 3:59:32 PM



#87
Benzo(b)fluoranthene
Concen: 121.962 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.04 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion:	252	Resp:	470646
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	11.6	9.0	13.6





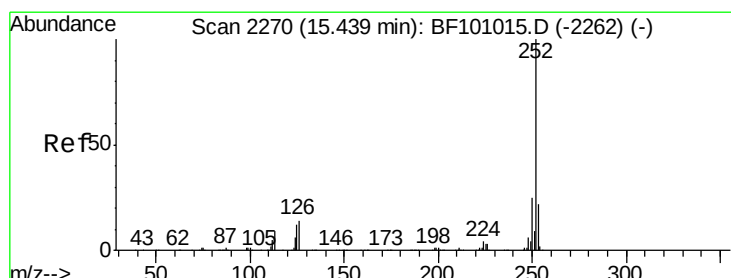
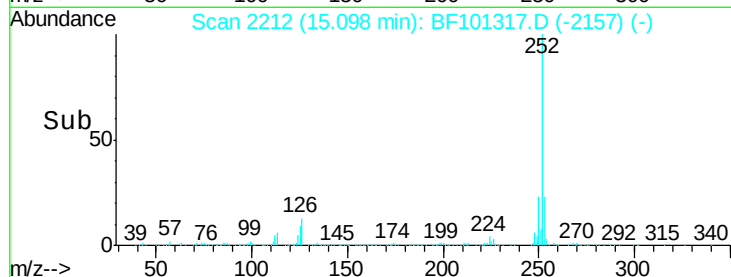
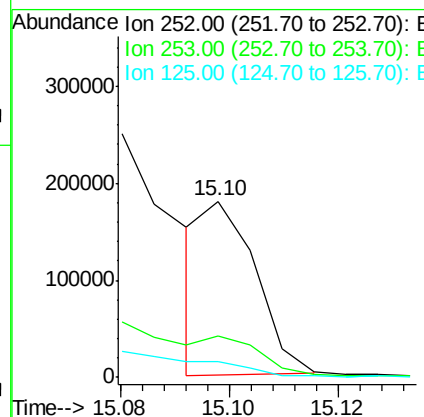
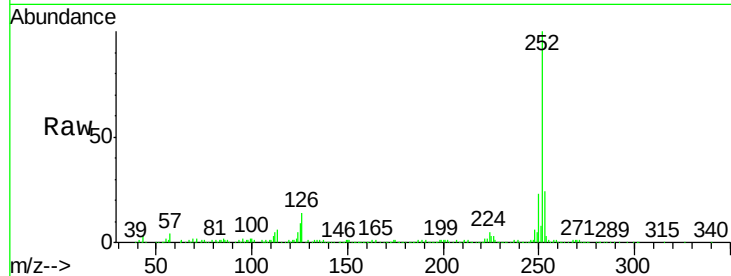
#88
Benzo(k)fluoranthene
Concen: 31.331 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.02 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	9.2	10.2	15.2

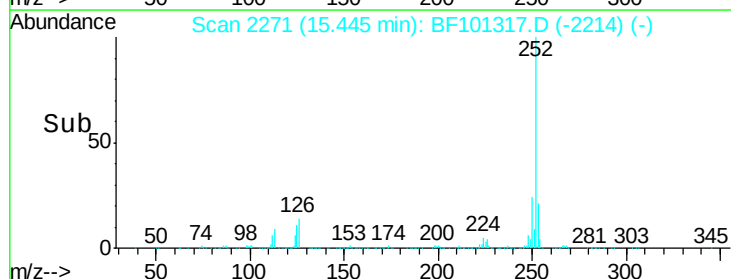
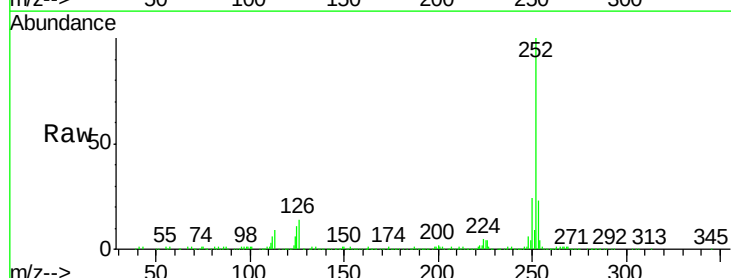
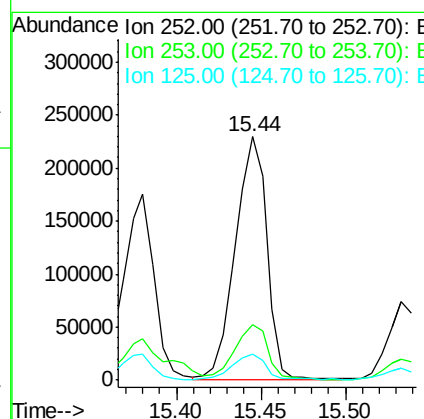
Manual Integrations
APPROVED

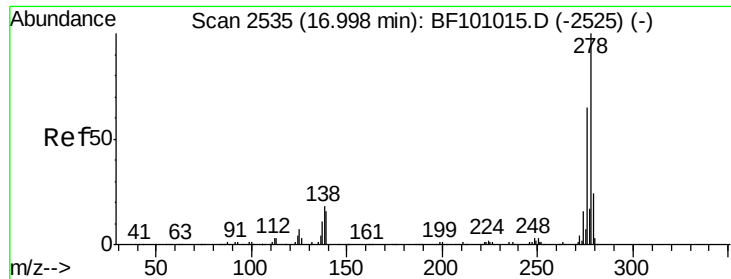
Sohil
12/12/2017 3:59:32 PM



#89
Benzo(a)pyrene
Concen: 84.720 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.04 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	10.8	9.8	14.6





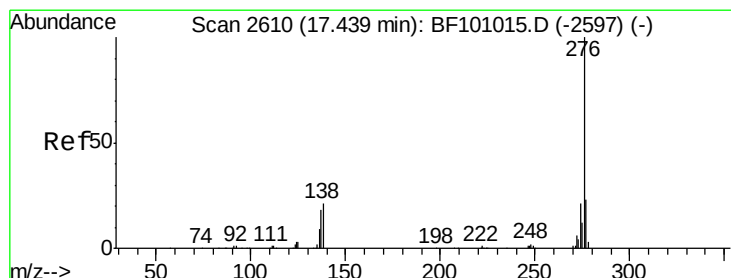
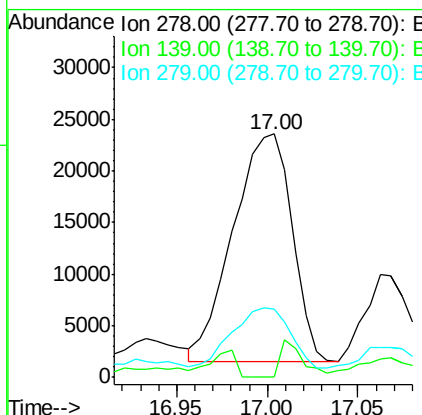
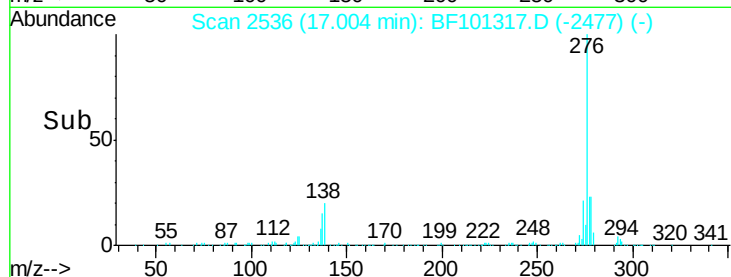
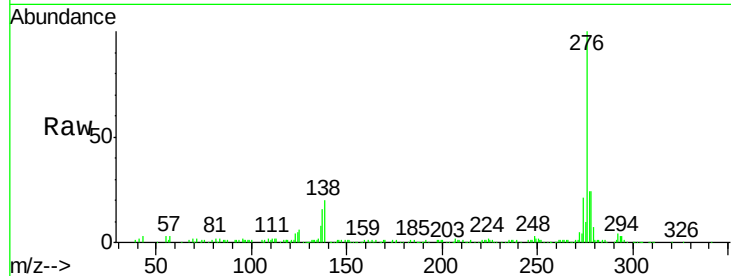
#90
Dibenzo(a,h)anthracene
Concen: 16.163 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.05 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Instrument :
BNA_F
ClientSampleId :
MAP-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.9	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:32 PM



#91
Benzo(g,h,i)perylene
Concen: 65.103 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.07 min
Lab File: BF101317.D
Acq: 12 Dec 2017 6:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	20.5	21.8	32.8#

