

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101065.D
 Acq On : 1 Dec 2017 16:11
 Operator : SJ/JU
 Sample : I6300-07 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Manual Integrations
 APPROVED

Sohil
 12/4/2017 11:56:41 AM

Quant Time: Dec 04 00:33:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	51207	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	196544	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	91534	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	162094	20.00	ng	0.00
75) Chrysene-d12	14.02	240	108806	20.00	ng	0.00
86) Perylene-d12	15.49	264	119951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	63054	20.35	ng	0.00
7) Phenol-d6	6.47	99	76626	20.37	ng	-0.01
23) Nitrobenzene-d5	7.40	82	44786	13.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	13980	12.71	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	104409	15.61	ng	-0.01
78) Terphenyl-d14	12.95	244	72745	14.62	ng	-0.01
Target Compounds						
51) Acenaphthene	9.92	154	16040	2.737	ng	98
57) Fluorene	10.43	166	23797	3.466	ng	97
70) Phenanthrene	11.40	178	209816	23.505	ng	98
71) Anthracene	11.45	178	47925	5.305	ng	98
74) Fluoranthene	12.59	202	243455	24.604	ng	96
77) Pyrene	12.82	202	220770	29.405	ng	99
80) Benzo(a)anthracene	14.00	228	103845	15.116	ng	98
82) Chrysene	14.04	228	90477	14.181	ng	96
85) Indeno(1,2,3-cd)pyrene	16.96	276	42842	7.553	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	114191m	15.894	ng	
88) Benzo(k)fluoranthene	15.09	252	41006m	5.793	ng	
89) Benzo(a)pyrene	15.43	252	87923	13.461	ng	95
91) Benzo(a,h,i)perylene	17.41	276	40719	7.503	ng	# 91

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

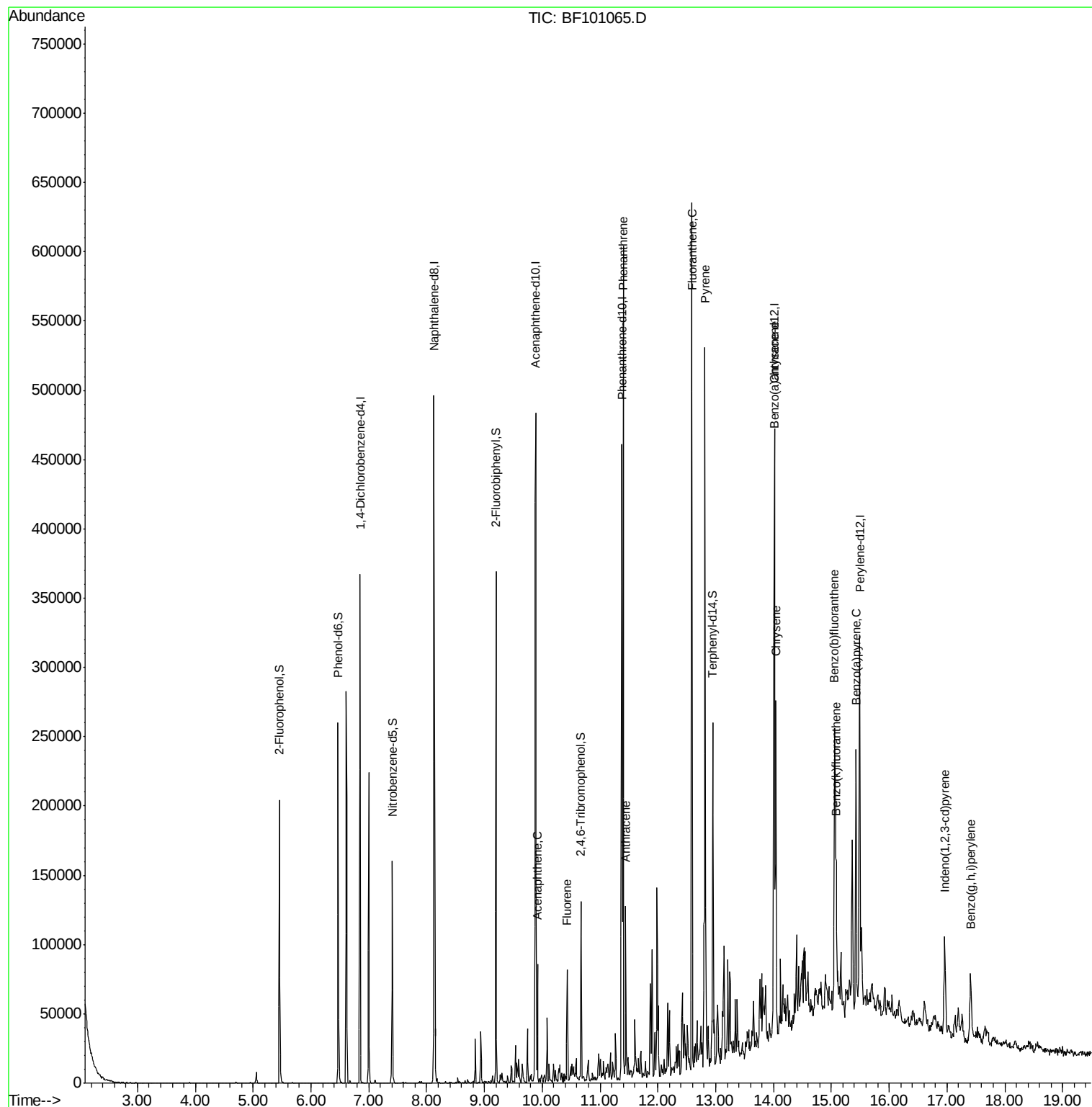
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101065.D
Acq On : 1 Dec 2017 16:11
Operator : SJ/JU
Sample : I6300-07 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

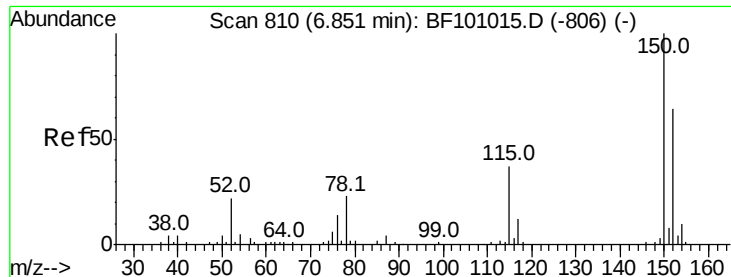
Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM

Quant Time: Dec 04 00:33:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 15:52:19 2017
Response via : Initial Calibration





#1

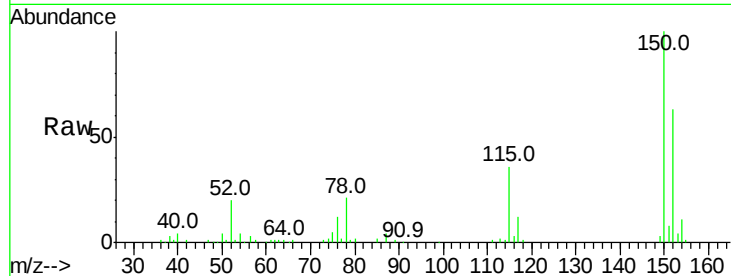
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Instrument :
BNA_F
ClientSampled :
OR-02-112917

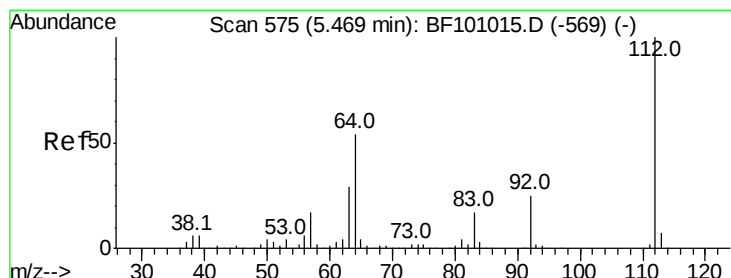
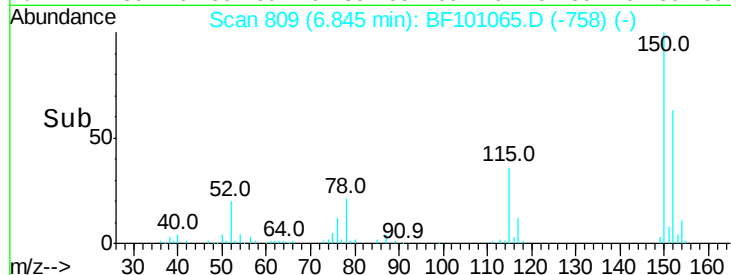
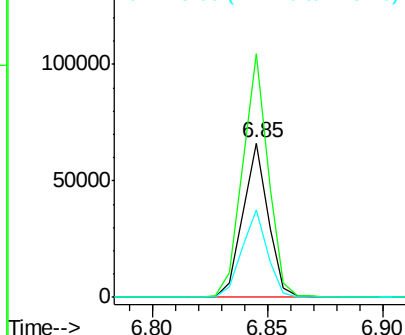
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	56.6	50.1	75.1

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM



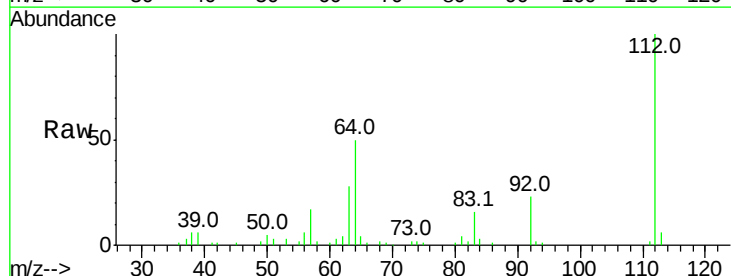
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



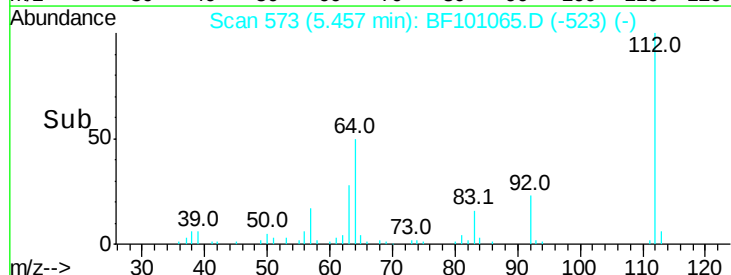
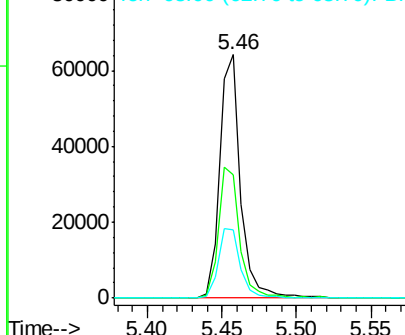
#5

2-Fluorophenol
Concen: 20.347 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	47.9	71.9
63	28.1	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: 20.367 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Instrument :

BNA_F

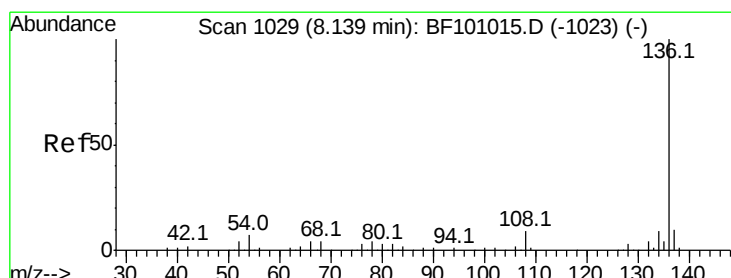
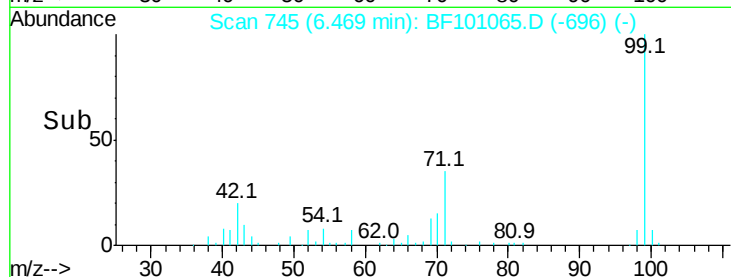
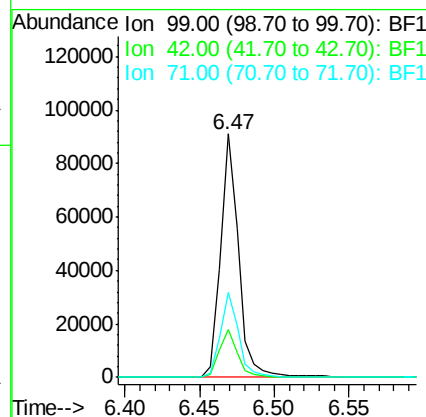
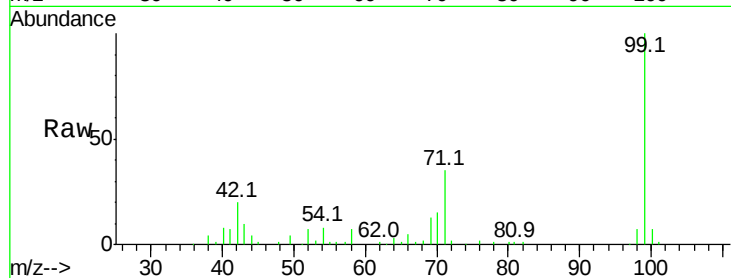
ClientSampleId :

OR-02-112917

Tot Ion:	99	Resp:	76626
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	34.7	25.4	38.0

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM



#21

Naphthalene-d8

Concen: 20.000 ng

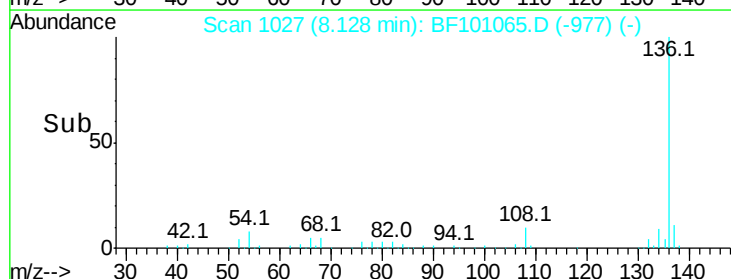
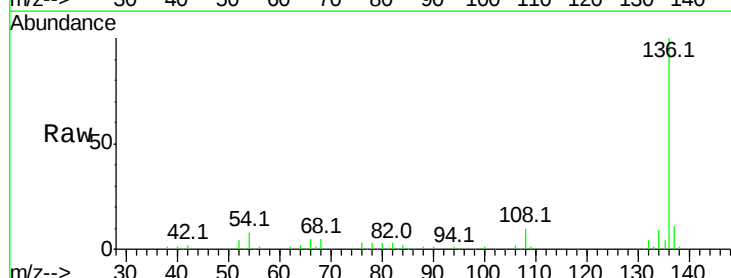
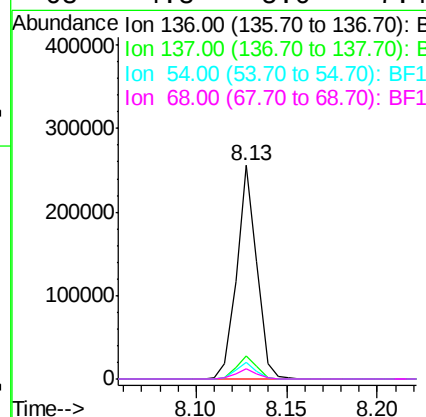
RT: 8.13 min Scan# 1027

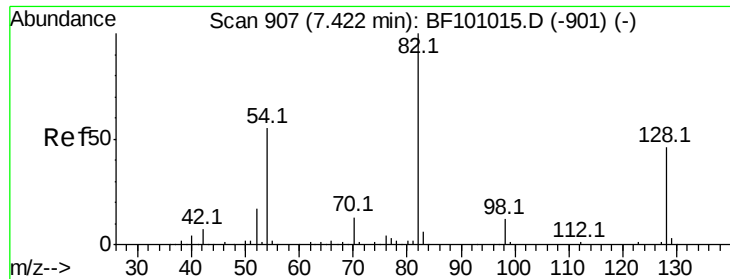
Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Tgt Ion:	136	Resp:	196544
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.6	6.6	9.8
68	4.8	5.0	7.4#





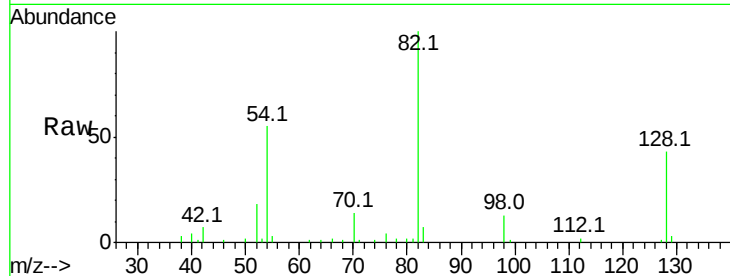
#23
Nitrobenzene-d5
Concen: 13.593 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

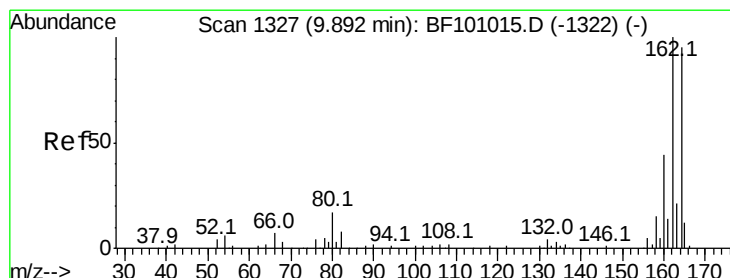
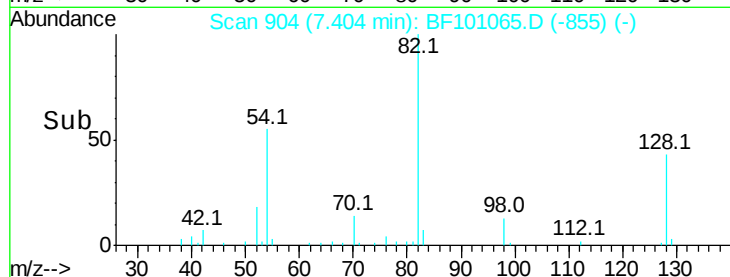
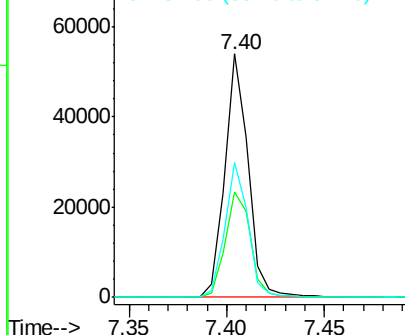
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	55.5	41.4	62.2

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM

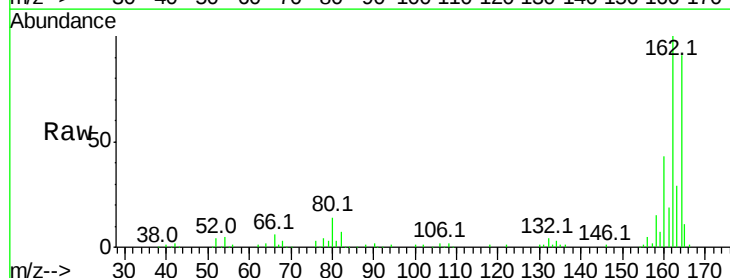


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

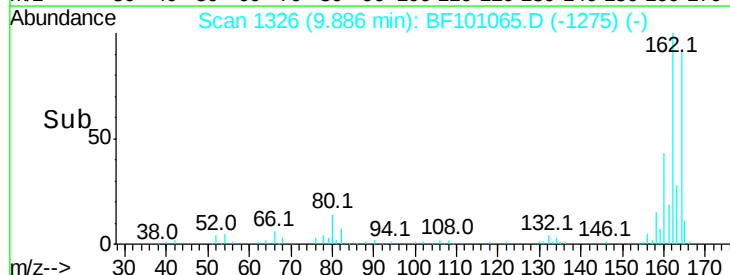
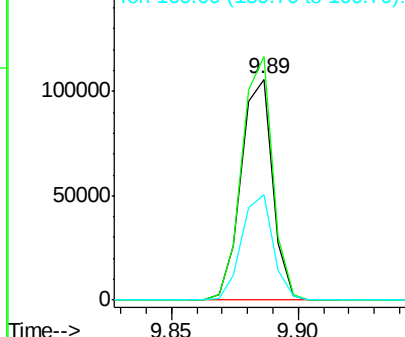


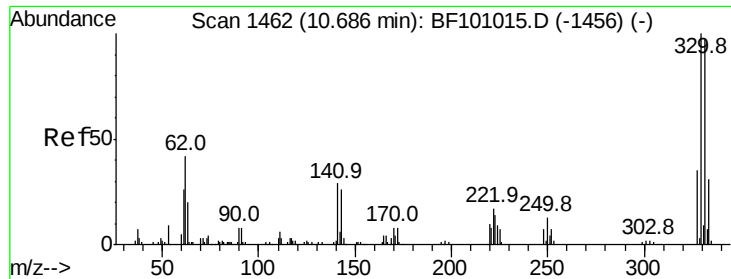
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.2	86.1	129.1
160	47.5	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 12.714 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Instrument :

BNA_F

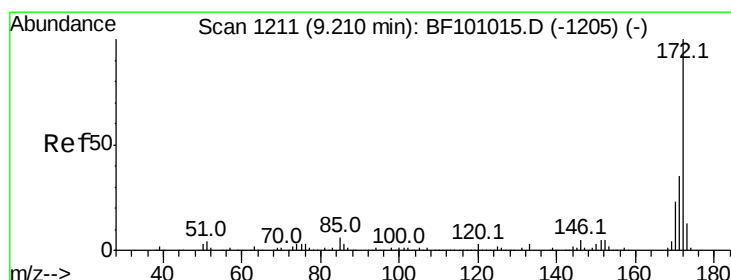
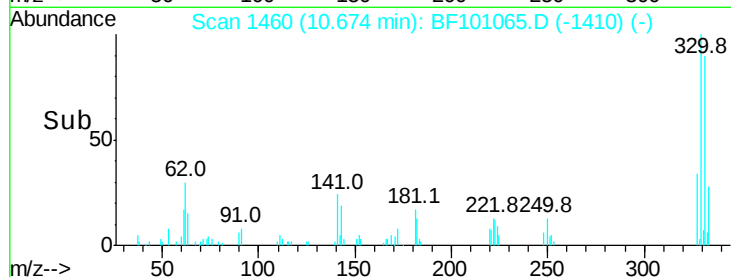
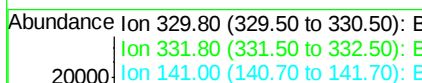
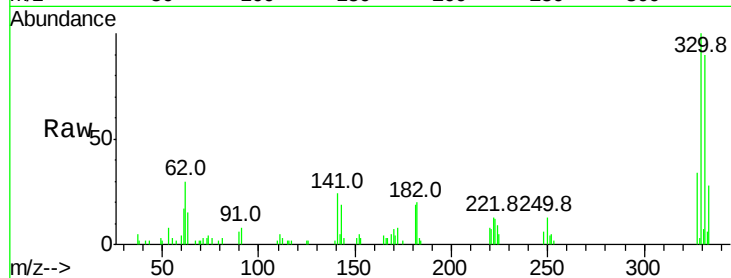
ClientSampleId :

OR-02-112917

Tot Ion:	330	Resp:	13980
Ion Ratio	Lower	Upper	
330	100		
332	93.1	77.0	115.6
141	32.8	29.9	44.9

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM



#44

2-Fluorobiphenyl

Concen: 15.606 ng

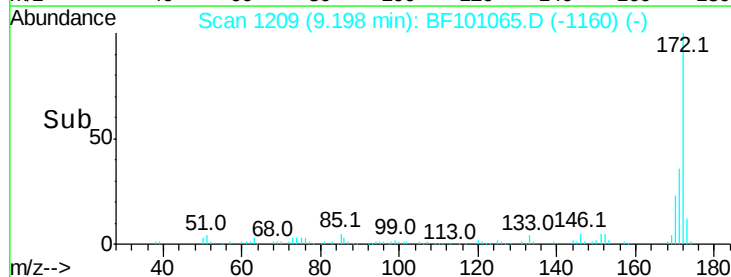
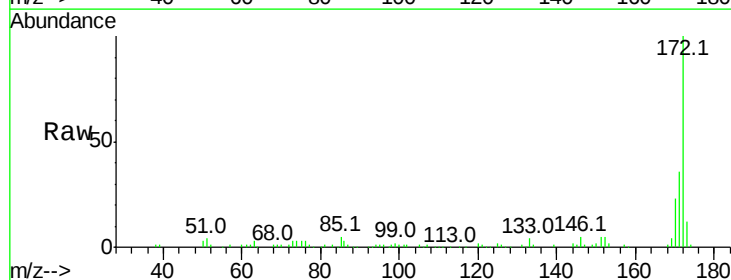
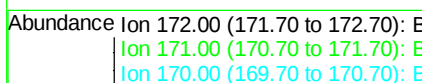
RT: 9.20 min Scan# 1209

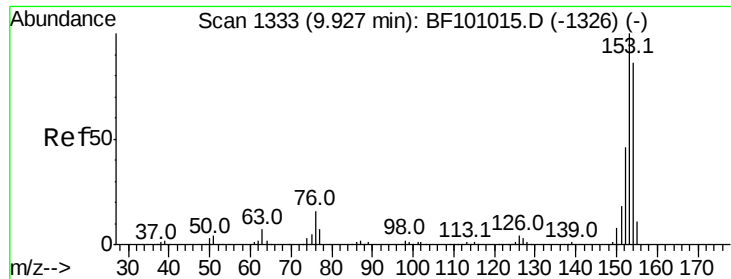
Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Tgt Ion:	172	Resp:	104409
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.0	19.6	29.4





#51

Acenaphthene

Concen: 2.737 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Instrument :

BNA_F

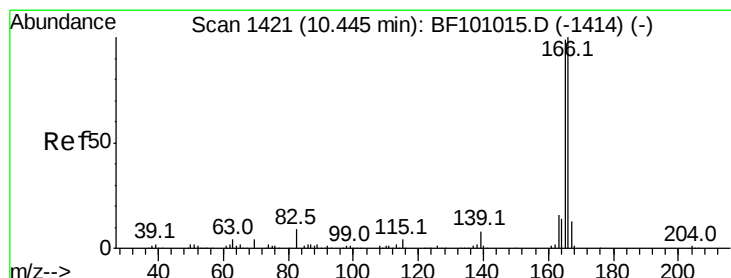
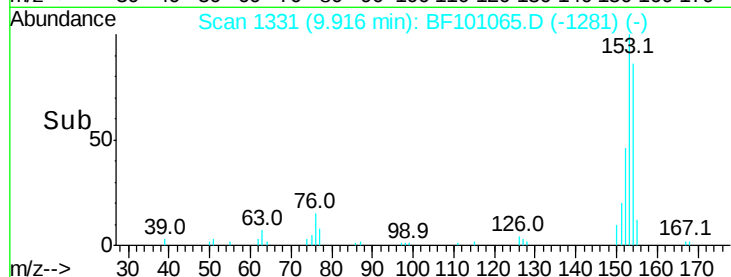
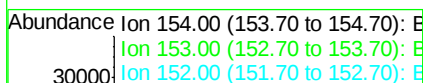
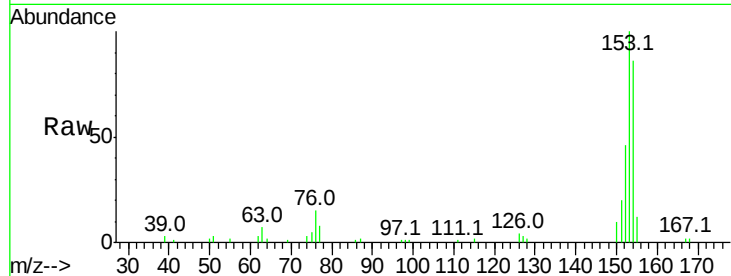
ClientSampleId :

OR-02-112917

Tot Ion:	154	Resp:	16040
Ion Ratio	Lower	Upper	
154	100		
153	116.7	91.2	136.8
152	53.3	43.8	65.8

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM



#57

Fluorene

Concen: 3.466 ng

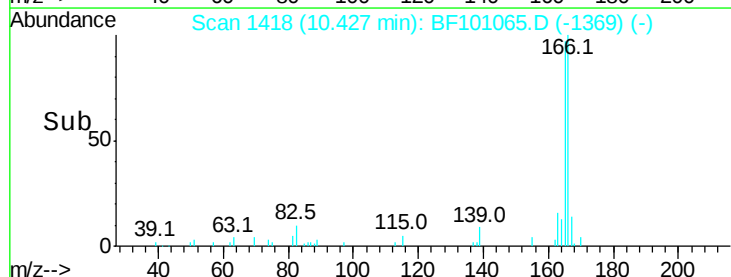
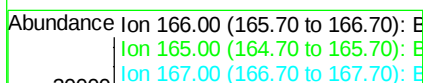
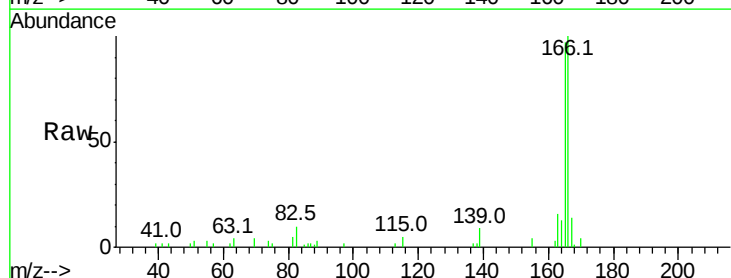
RT: 10.43 min Scan# 1418

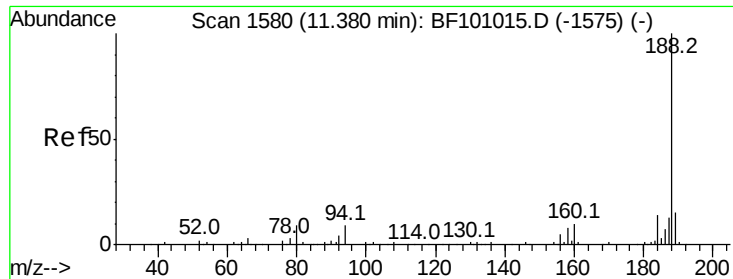
Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Tgt Ion:	166	Resp:	23797
Ion Ratio	Lower	Upper	
166	100		
165	96.6	79.8	119.8
167	13.6	10.6	16.0





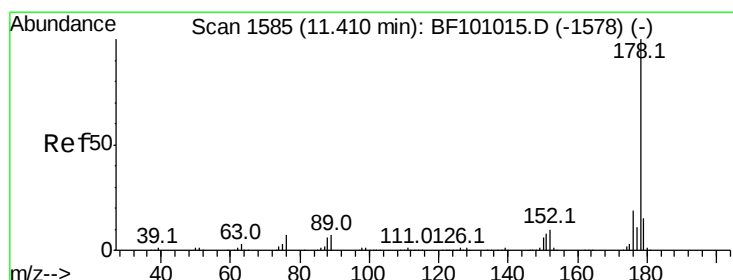
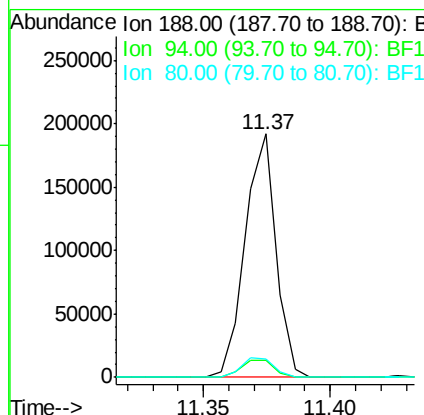
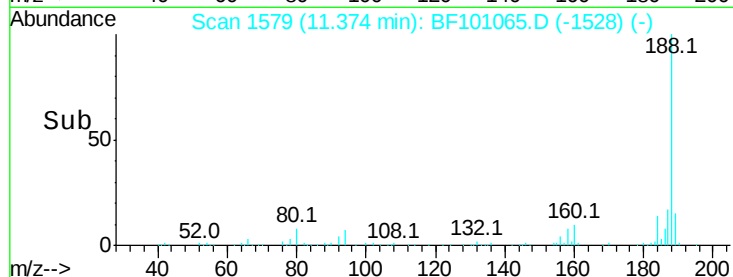
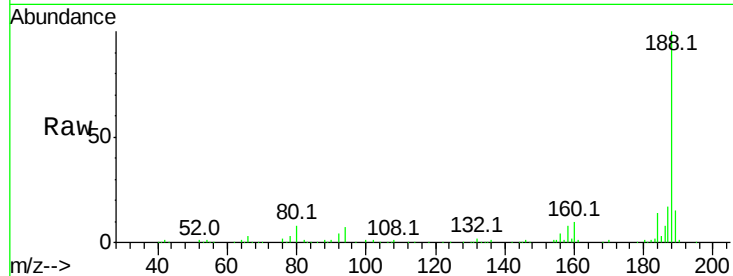
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101065.D
 Acq: 1 Dec 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.3	8.5	12.7#
80	7.7	9.2	13.8#

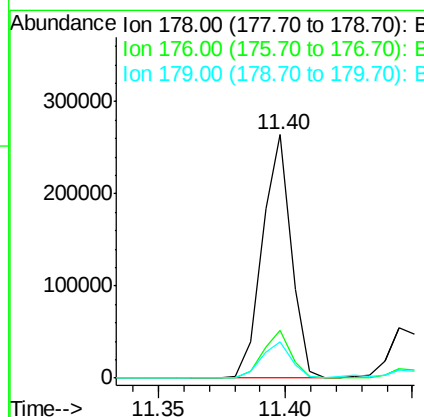
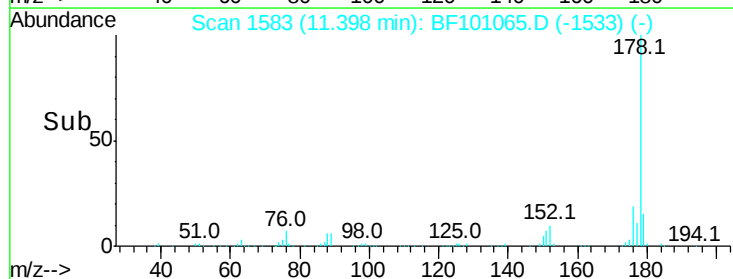
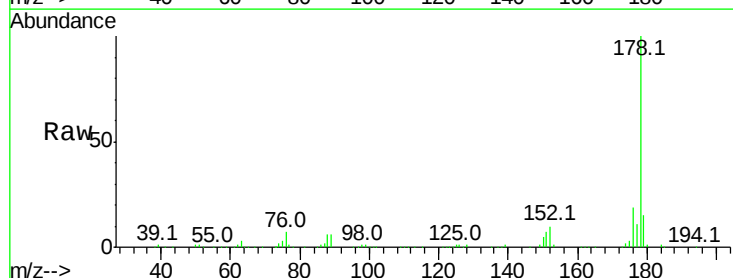
Manual Integrations
 APPROVED

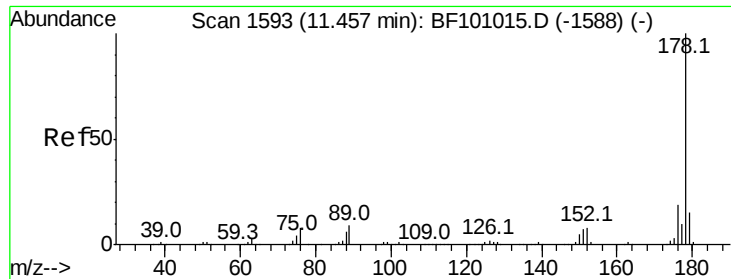
Sohil
 12/4/2017 11:56:41 AM



#70
 Phenanthrene
 Concen: 23.505 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101065.D
 Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6





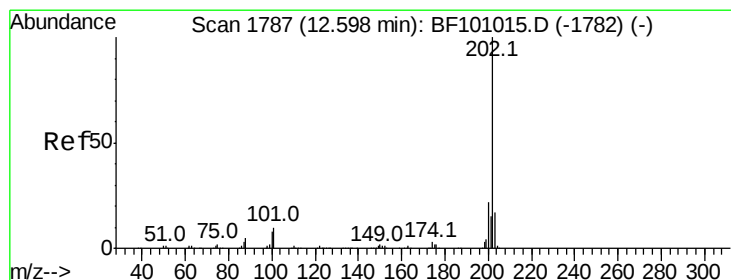
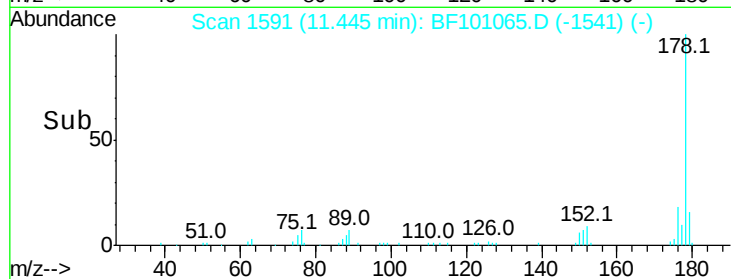
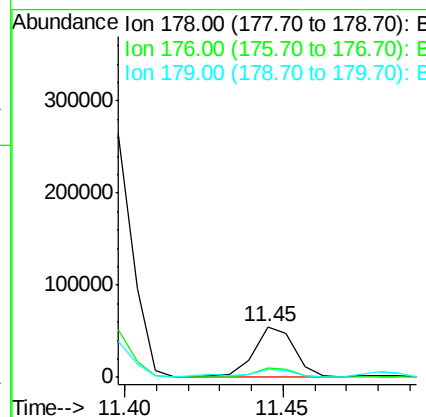
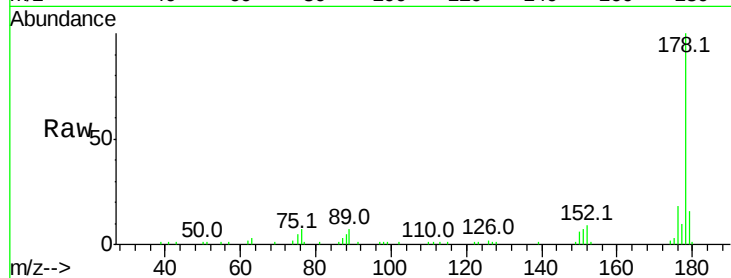
#71
 Anthracene
 Concen: 5.305 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF101065.D
 Acq: 1 Dec 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.4	12.6	19.0

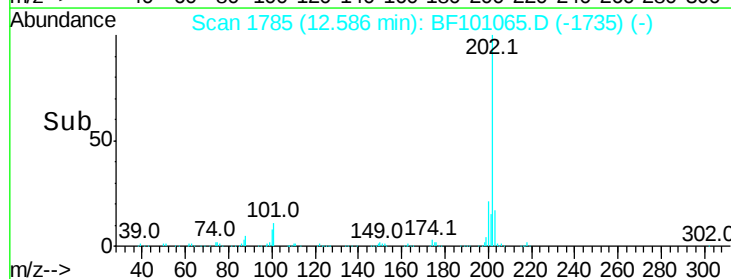
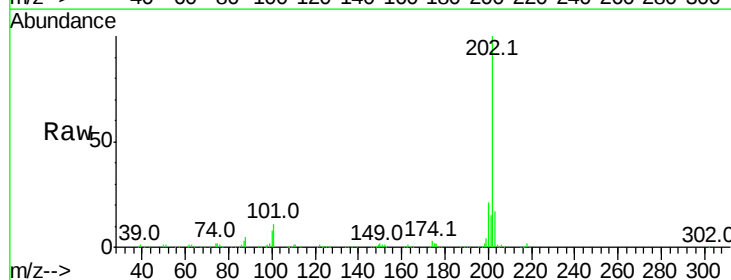
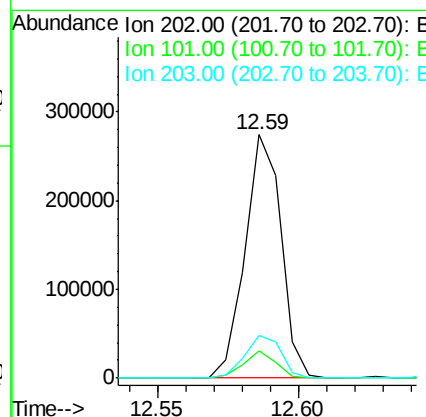
Manual Integrations
 APPROVED

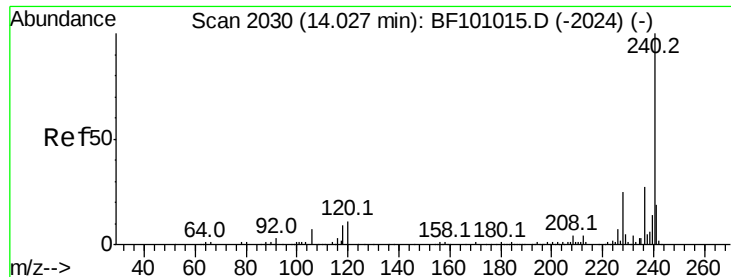
Sohil
 12/4/2017 11:56:41 AM



#74
 Fluoranthene
 Concen: 24.604 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF101065.D
 Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Instrument :

BNA_F

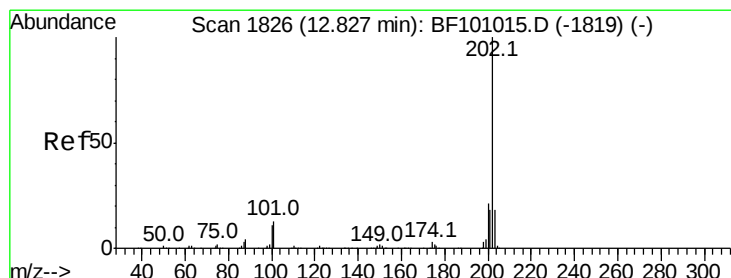
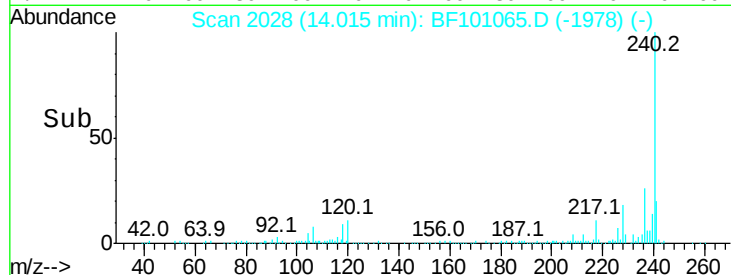
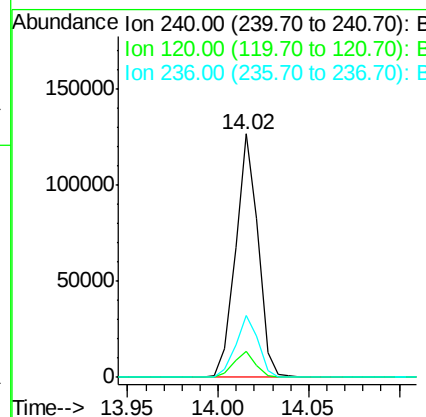
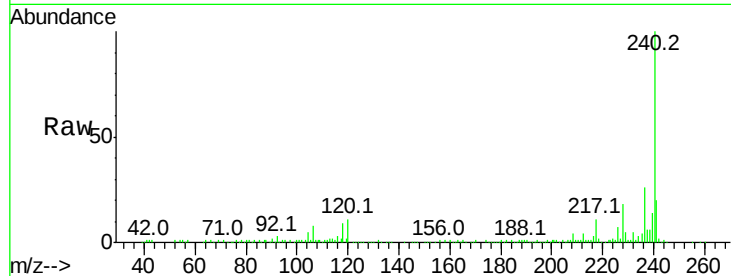
ClientSampleId :

OR-02-112917

Tot Ion:	240	Resp:	108806
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	25.6	20.7	31.1

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM



#77

Pyrene

Concen: 29.405 ng

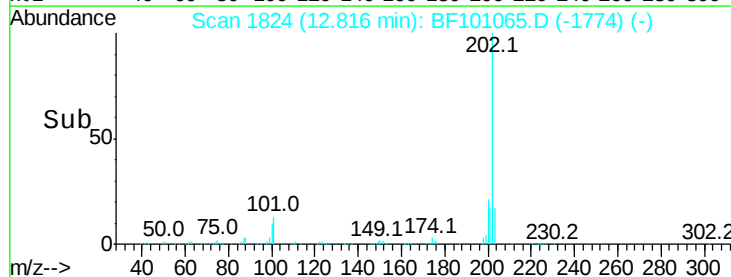
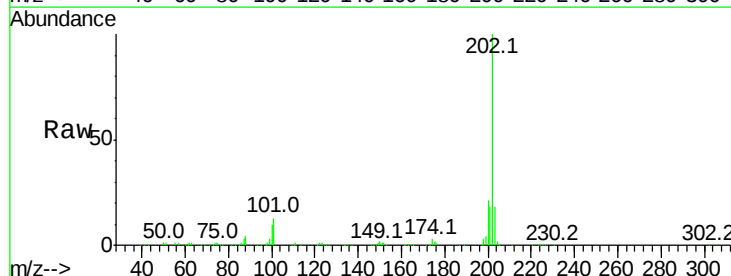
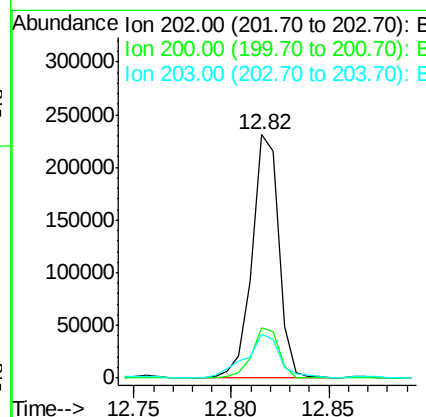
RT: 12.82 min Scan# 1824

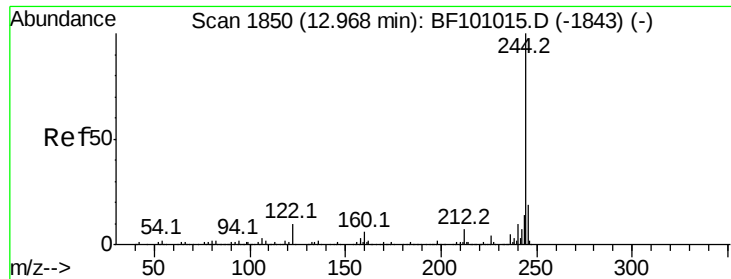
Delta R.T. -0.01 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Tgt Ion:	202	Resp:	220770
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5





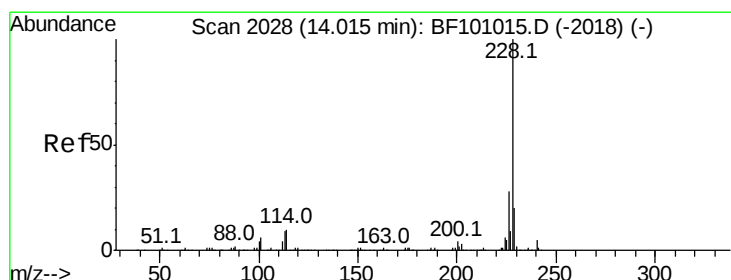
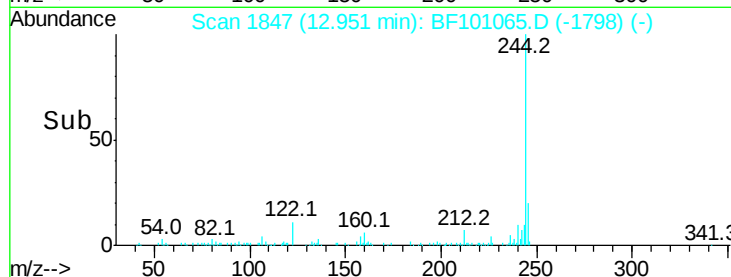
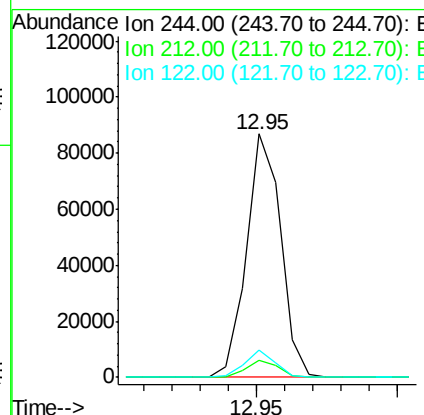
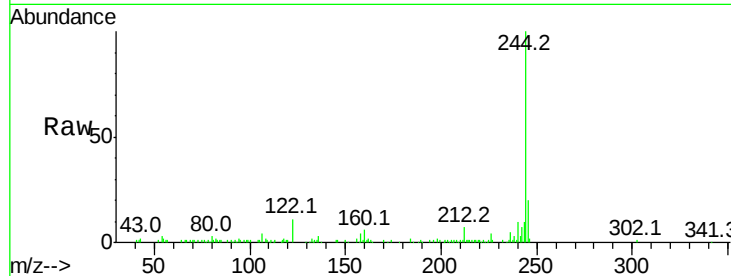
#78
 Terphenyl-d14
 Concen: 14.623 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF101065.D
 Acq: 1 Dec 2017 16:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4

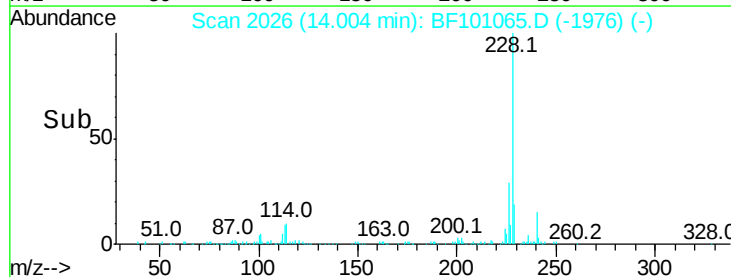
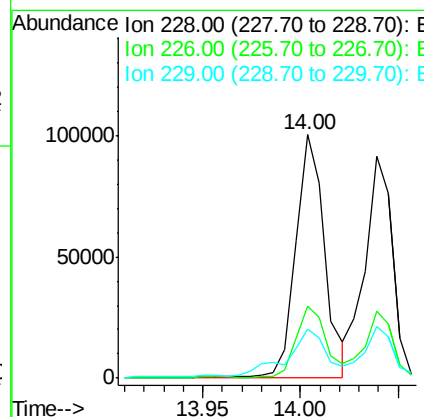
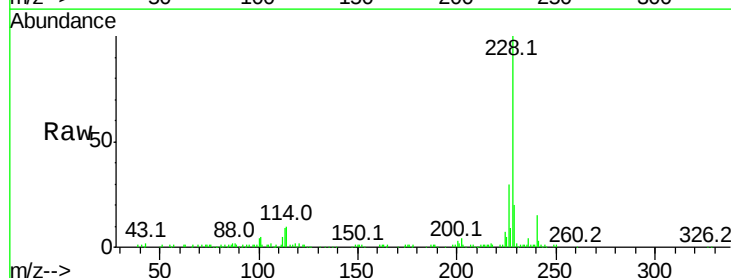
Manual Integrations
 APPROVED

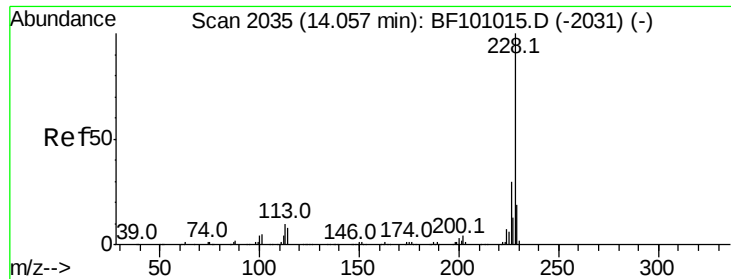
Sohil
 12/4/2017 11:56:41 AM



#80
 Benzo(a)anthracene
 Concen: 15.116 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF101065.D
 Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.4	15.8	23.6





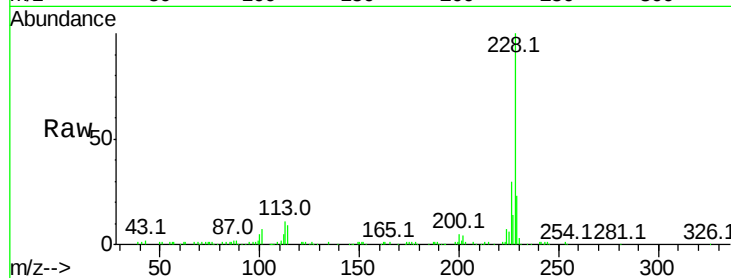
#82
Chrysene
Concen: 14.181 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Instrument :
BNA_F
ClientSampled :
OR-02-112917

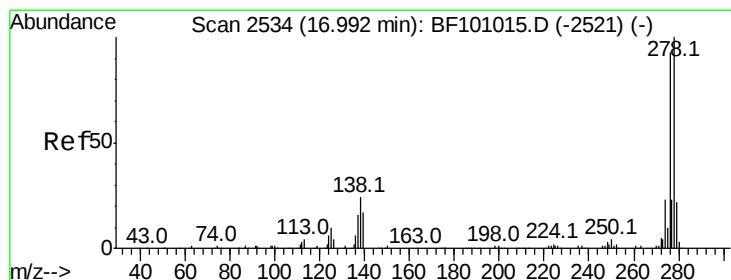
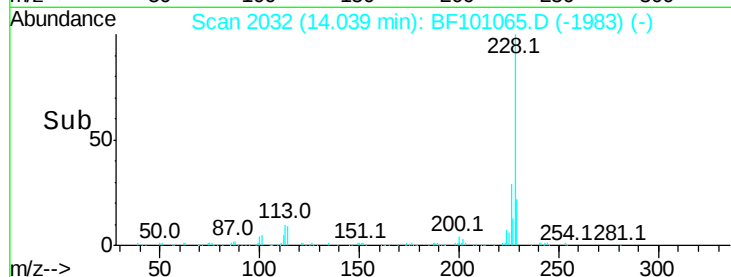
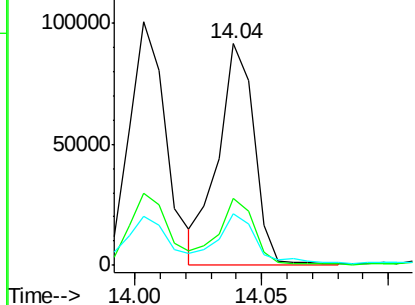
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	23.2	16.2	24.4

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM



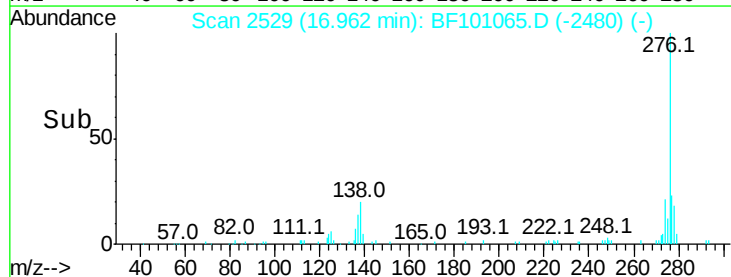
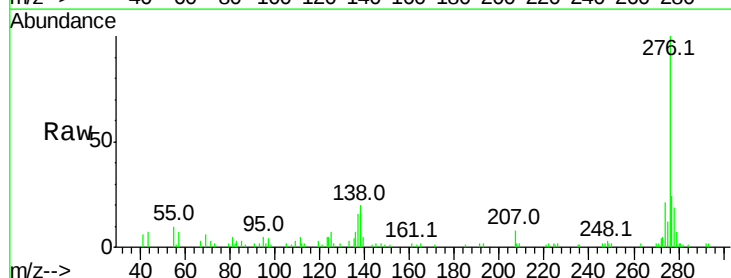
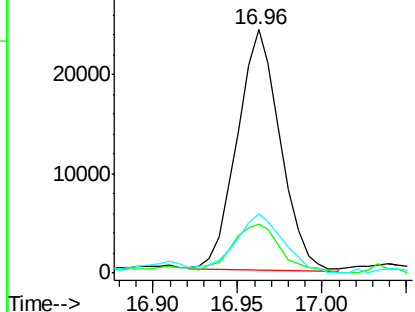
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

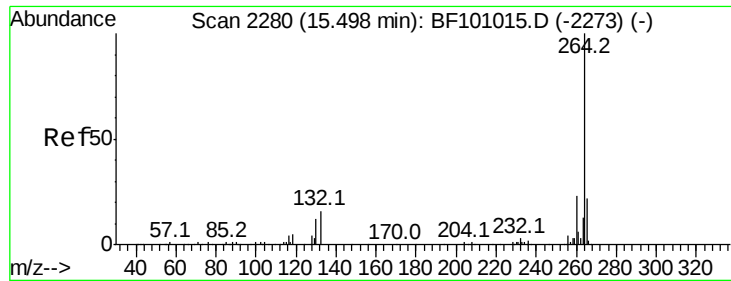


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.553 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.0	37.6#
277	28.0	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





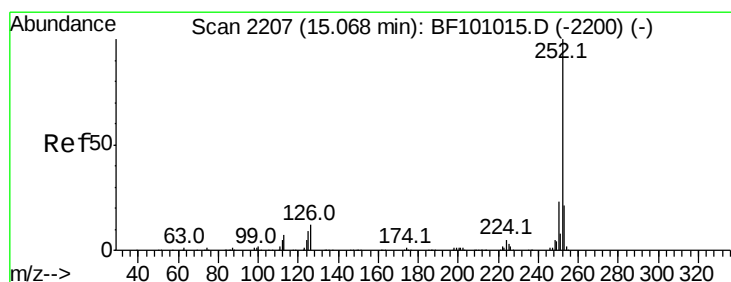
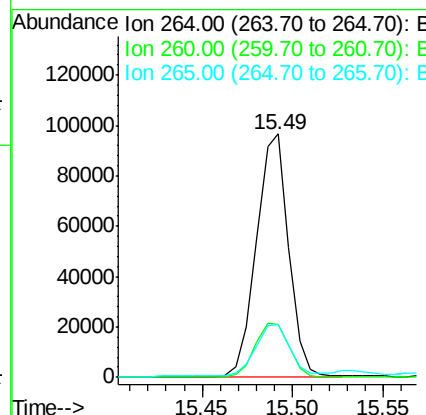
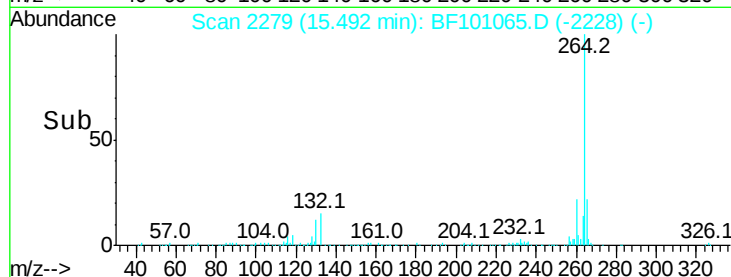
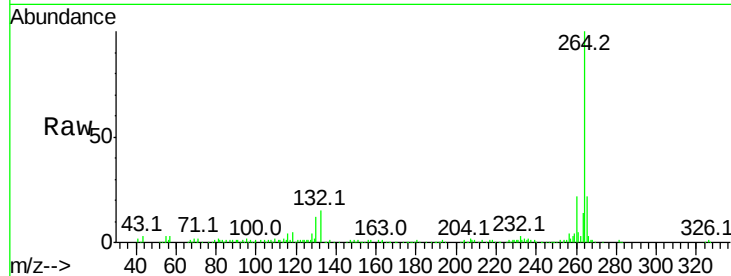
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.2	28.8
265	21.9	17.5	26.3

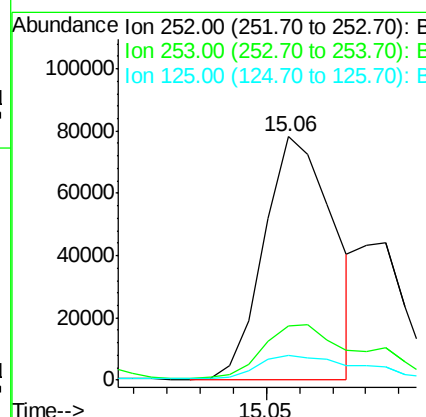
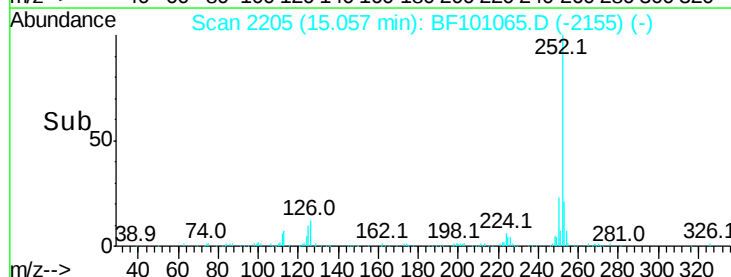
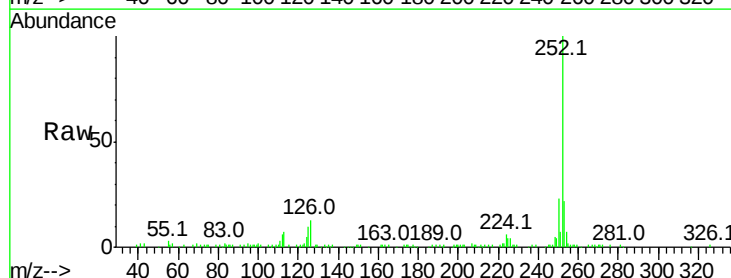
Manual Integrations
APPROVED

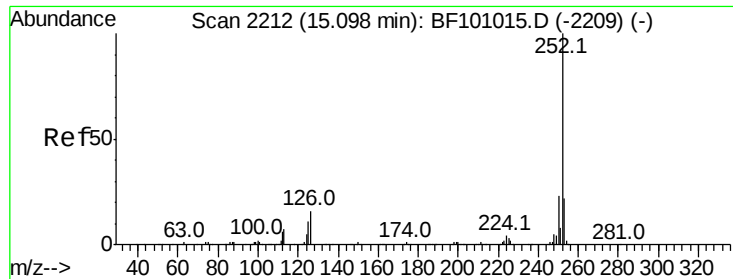
Sohil
12/4/2017 11:56:41 AM



#87
Benzo(b)fluoranthene
Concen: 15.894 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	10.3	9.0	13.6





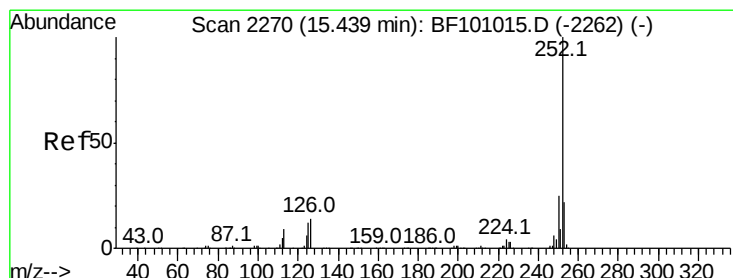
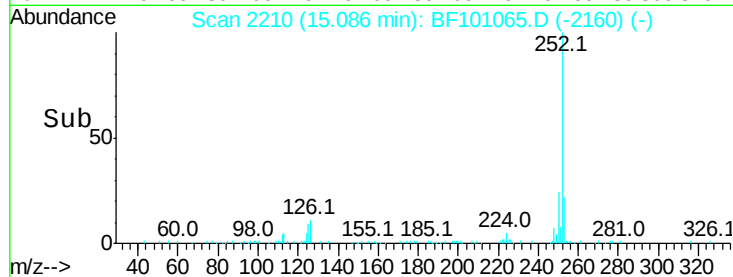
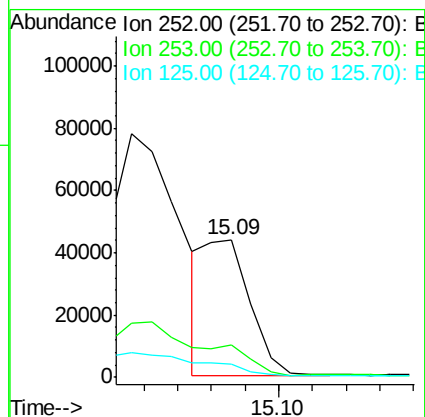
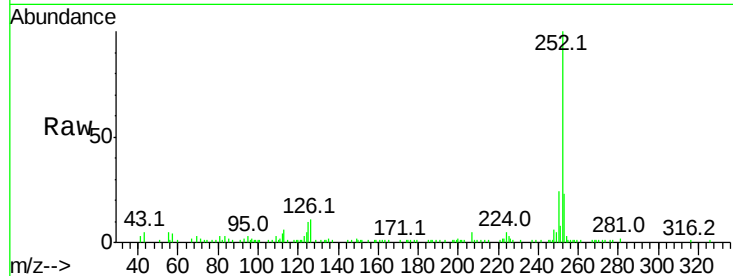
#88
Benzo(k)fluoranthene
Concen: 5.793 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.0	10.2	15.2

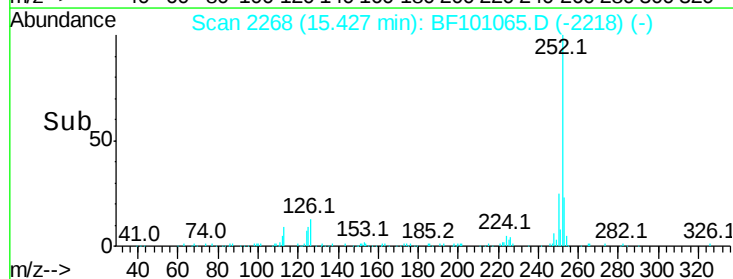
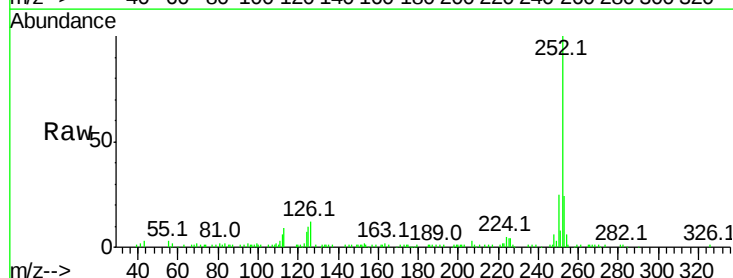
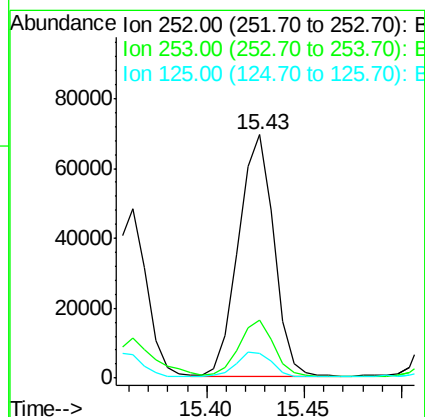
Manual Integrations
APPROVED

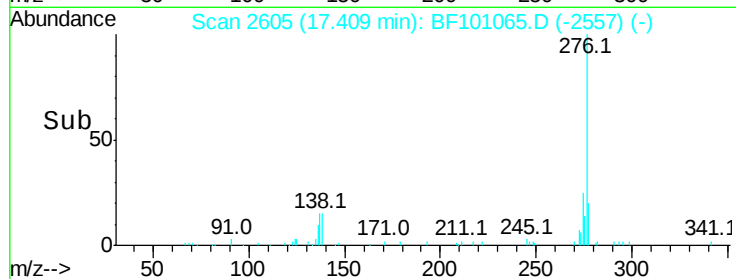
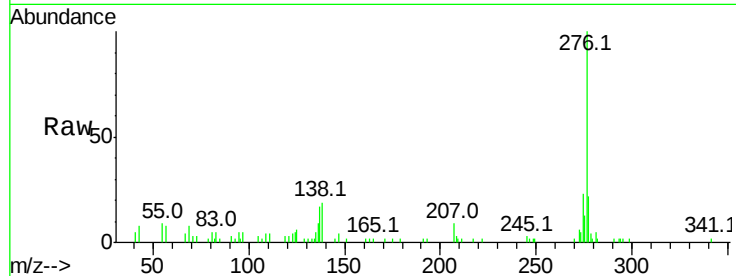
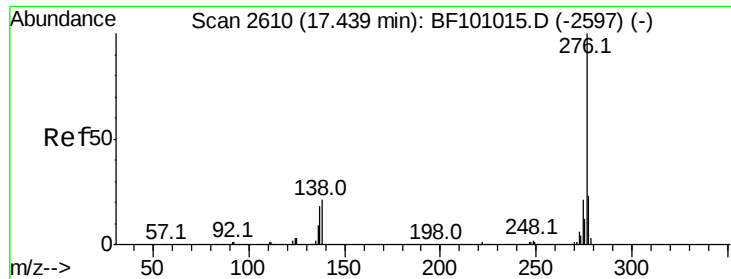
Sohil
12/4/2017 11:56:41 AM



#89
Benzo(a)pyrene
Concen: 13.461 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101065.D
Acq: 1 Dec 2017 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 7.503 ng

RT: 17.41 min Scan# 2605

Delta R.T. -0.02 min

Lab File: BF101065.D

Acq: 1 Dec 2017 16:11

Instrument :

BNA_F

ClientSampleId :

OR-02-112917

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.1	17.9	26.9
138	18.9	21.8	32.8

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:41 AM

