

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102947.D
 Acq On : 13 Feb 2018 4:06
 Operator : SJ/JU
 Sample : J1519-02 20X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB71 BOT_9

Manual Integrations
 APPROVED

Sohil
 2/13/2018 11:26:41 AM

Quant Time: Feb 13 05:38:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	156262	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	646525	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	260239	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	373230	20.00	ng	0.00
75) Chrysene-d12	14.05	240	303901	20.00	ng	0.00
86) Perylene-d12	15.53	264	268074	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	54899	5.34	ng	0.00
7) Phenol-d6	6.50	99	62340	5.03	ng	0.00
23) Nitrobenzene-d5	7.44	82	38766	4.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	6558	3.13	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	53027	3.38	ng	0.00
78) Terphenyl-d14	12.99	244	33975	2.65	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	97069	3.073	ng	Qvalue 98
48) Acenaphthylene	9.78	152	71575	2.671	ng	98
57) Fluorene	10.47	166	58266	3.545	ng	99
70) Phenanthrene	11.43	178	394836	18.995	ng	99
71) Anthracene	11.49	178	131182	6.205	ng	97
74) Fluoranthene	12.63	202	550368	26.316	ng	98
77) Pyrene	12.86	202	438502	18.401	ng	99
80) Benzo(a)anthracene	14.04	228	221154m	11.571	ng	
82) Chrysene	14.07	228	184406	9.571	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	67291	4.211	ng	94
87) Benzo(b)fluoranthene	15.10	252	216658m	12.466	ng	
88) Benzo(k)fluoranthene	15.12	252	76411m	4.601	ng	
89) Benzo(a)pyrene	15.47	252	153859	9.835	ng	# 95
91) Benzo(a,h,i)perylene	17.49	276	58289	4.690	ng	97

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

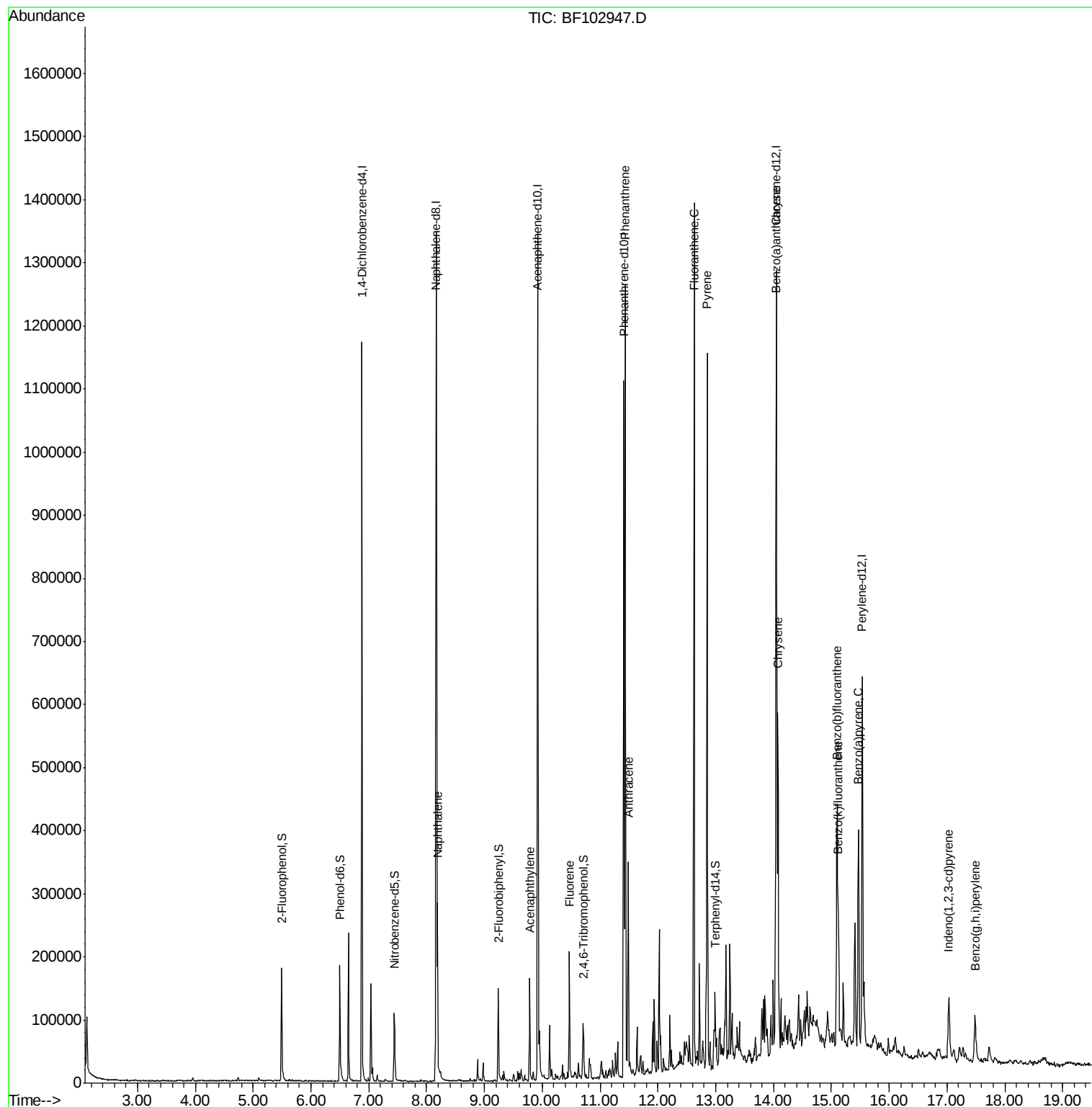
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102947.D
Acq On : 13 Feb 2018 4:06
Operator : SJ/JU
Sample : J1519-02 20X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A2 SB71 BOT_9

Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM

Quant Time: Feb 13 05:38:52 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration





#1

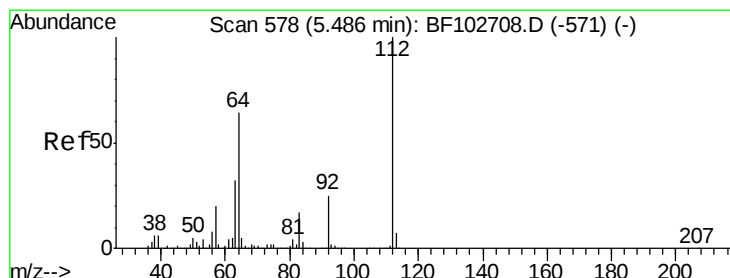
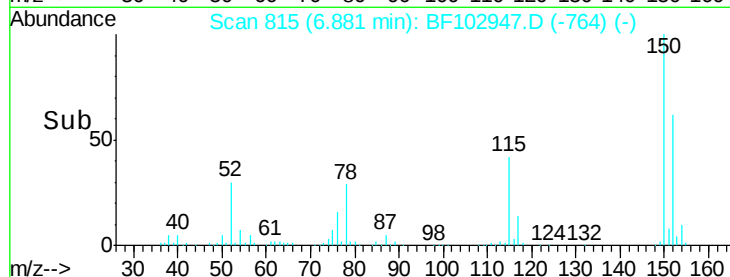
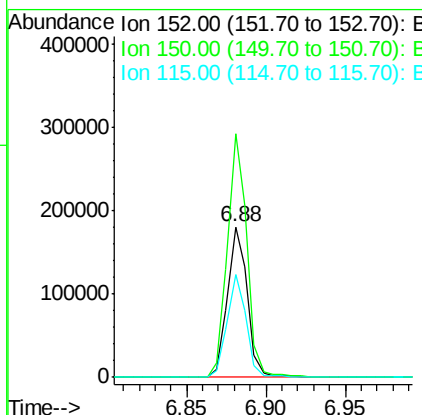
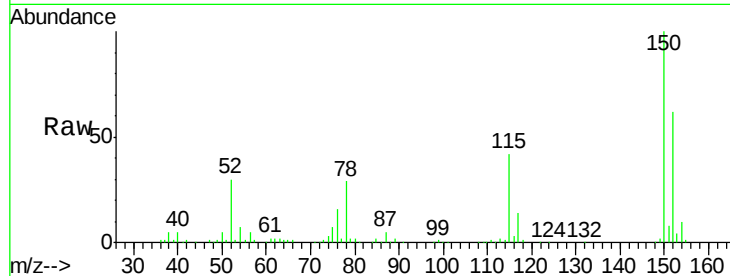
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.6	186.8
115	68.1	50.1	75.1

Manual Integrations
APPROVED

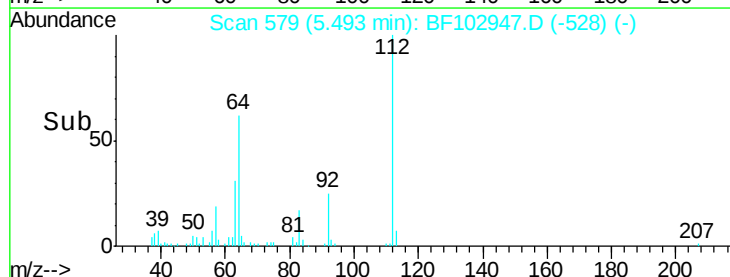
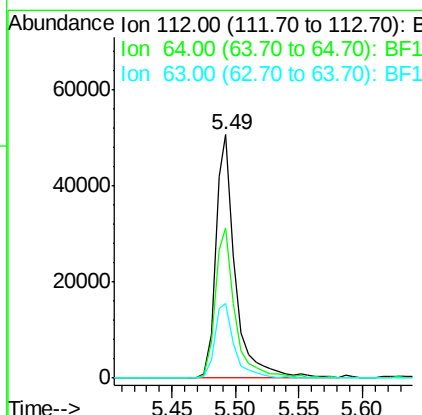
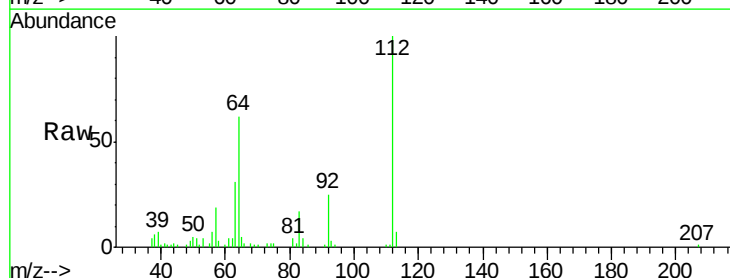
Sohil
2/13/2018 11:26:41 AM



#5

2-Fluorophenol
Concen: 5.335 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 5.032 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Instrument :

BNA_F

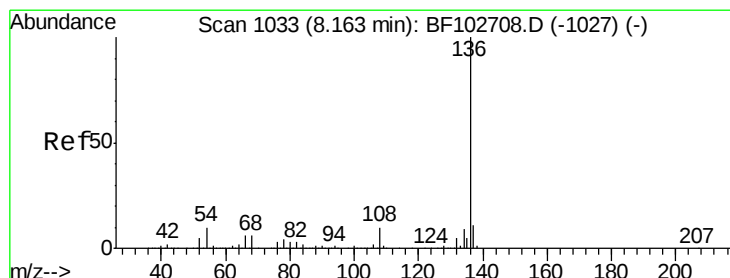
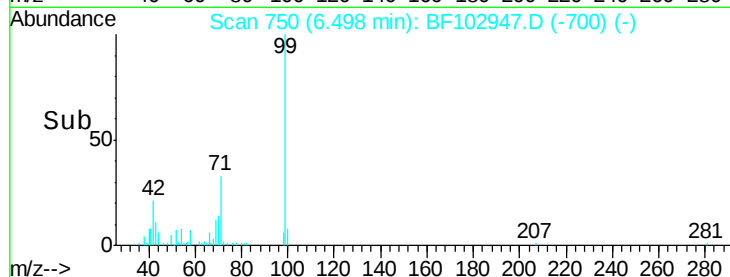
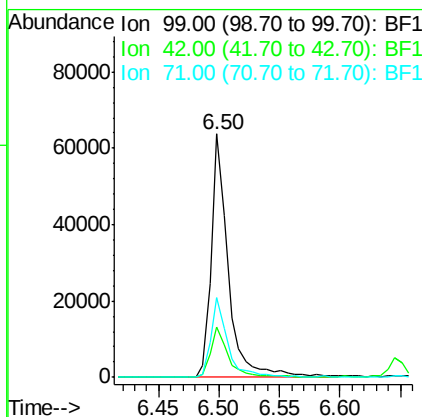
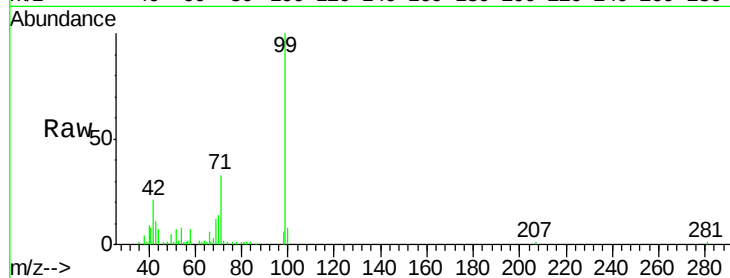
ClientSampleId :

A2 SB71 BOT_9

Tot Ion:	99	Resp:	62340
Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.5	21.7
71	32.6	25.4	38.0

Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM



#21

Naphthalene-d8

Concen: 20.000 ng

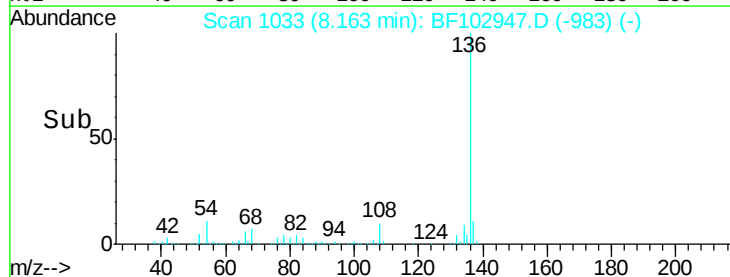
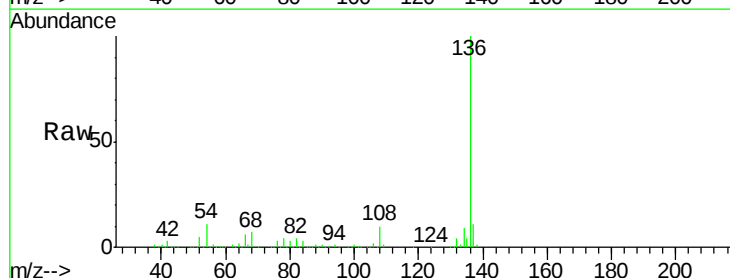
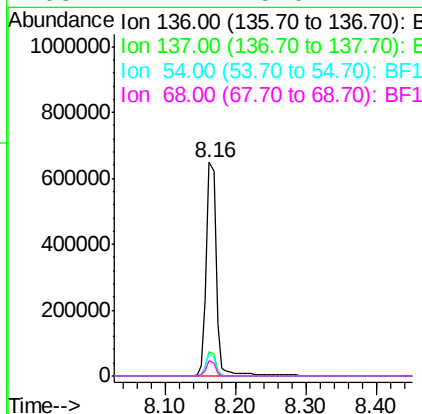
RT: 8.16 min Scan# 1033

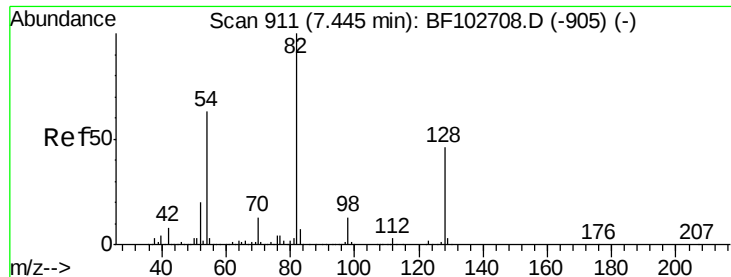
Delta R.T. -0.01 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Tgt Ion:	136	Resp:	646525
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.5	6.6	9.8
68	7.2	5.0	7.4





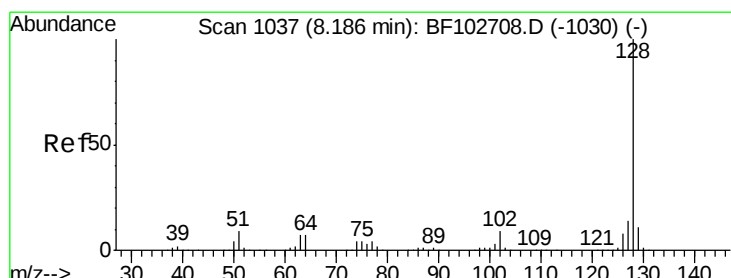
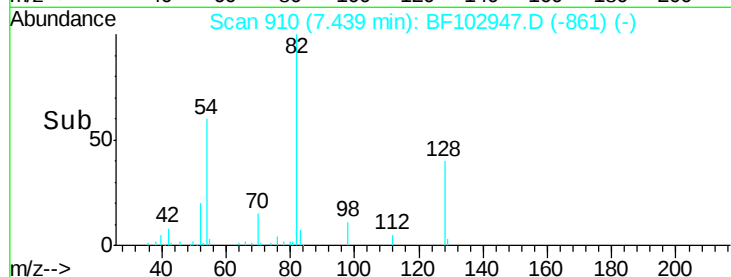
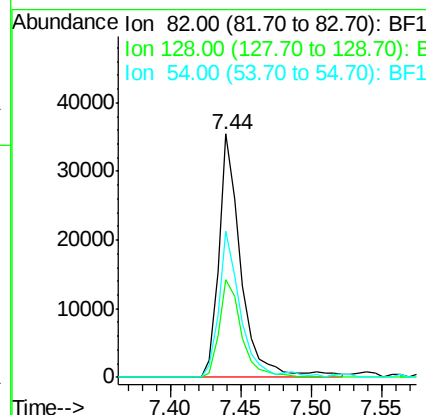
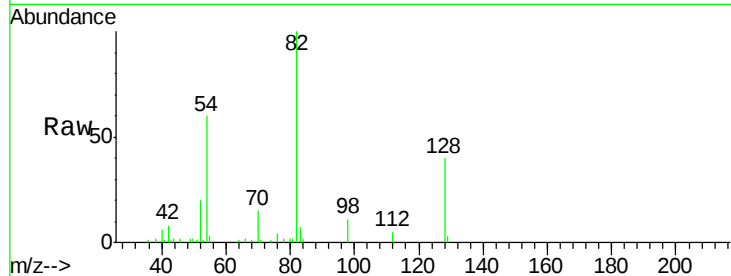
#23
Nitrobenzene-d5
Concen: 4.159 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion:	82	Resp:	38766
Ion Ratio	Lower	Upper	
82	100		
128	40.0	36.1	54.1
54	60.2	41.4	62.2

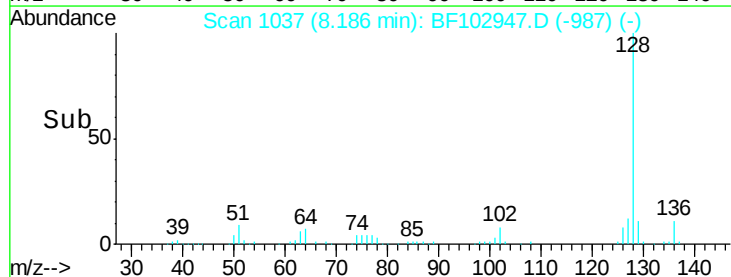
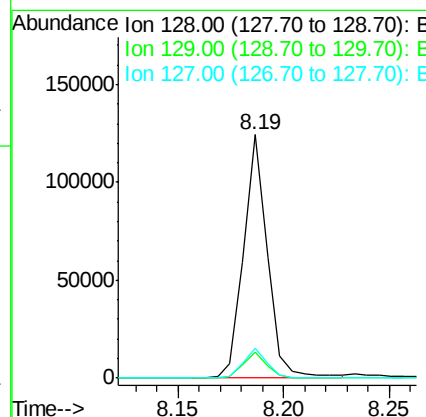
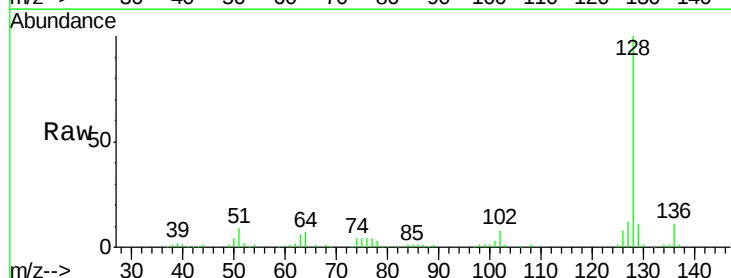
Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM



#31
Naphthalene
Concen: 3.073 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion:	128	Resp:	97069
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.8	13.2
127	12.1	10.9	16.3





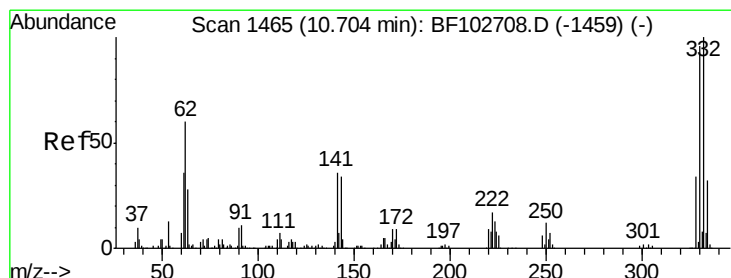
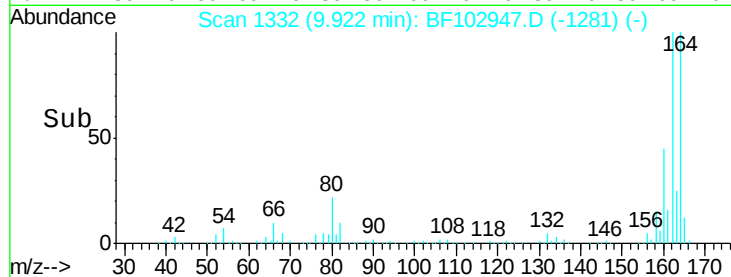
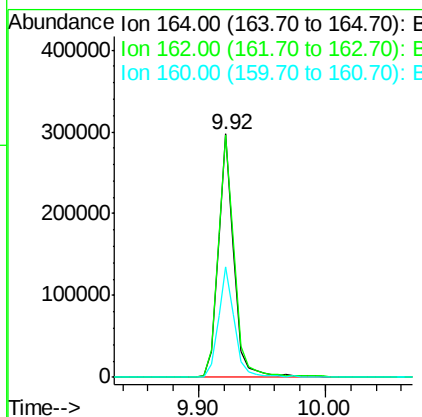
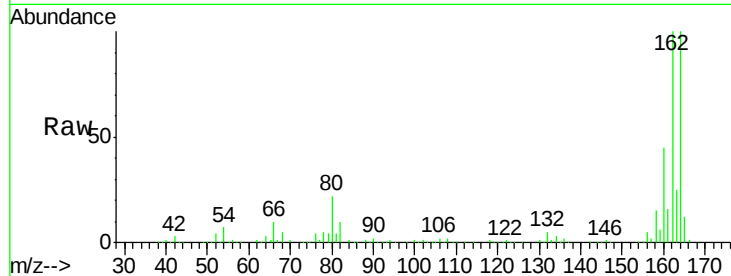
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion	Ratio	Resp	Lower	Upper
164	100	260239		
162	99.5	86.1	129.1	
160	45.5	38.3	57.5	

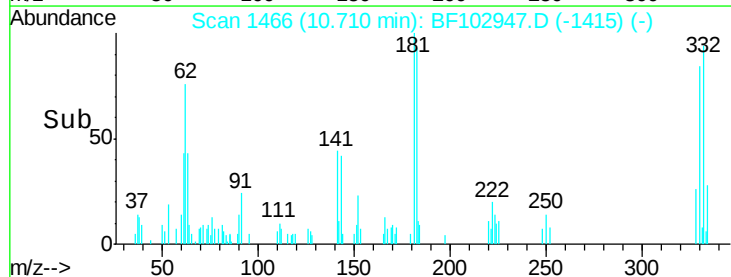
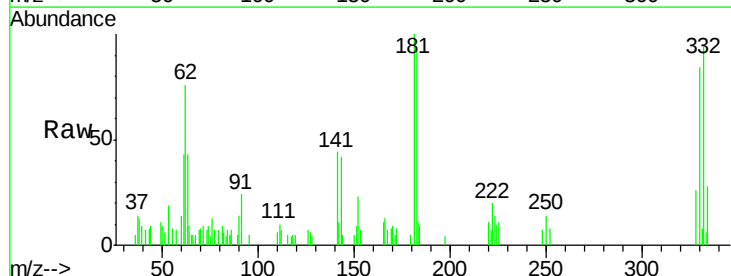
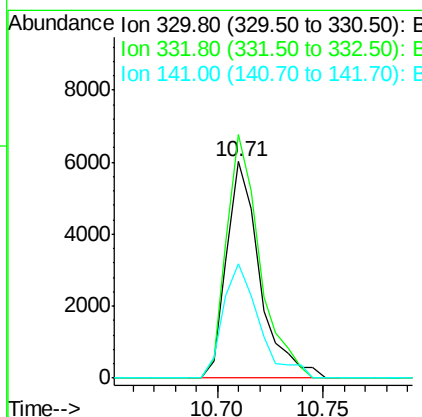
Manual Integrations
APPROVED

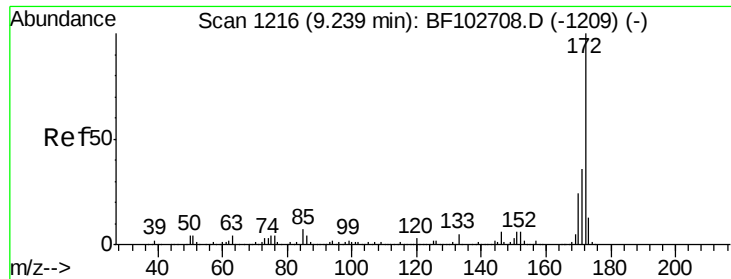
Sohil
2/13/2018 11:26:41 AM



#41
2,4,6-Tribromophenol
Concen: 3.131 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6558		
332	112.4	77.0	115.6	
141	57.0	29.9	44.9#	





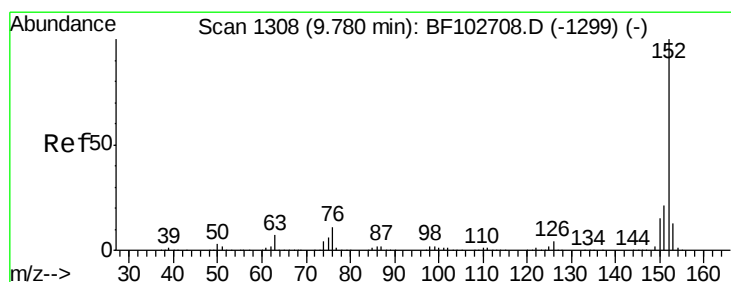
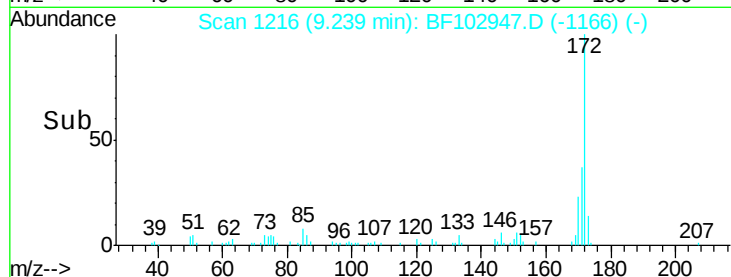
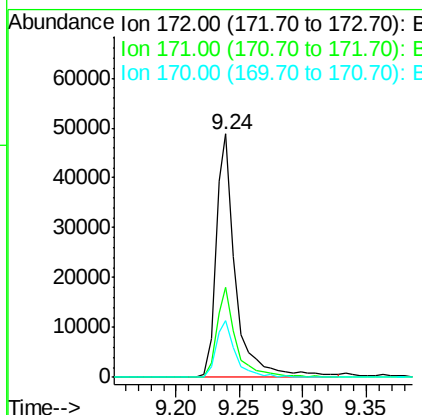
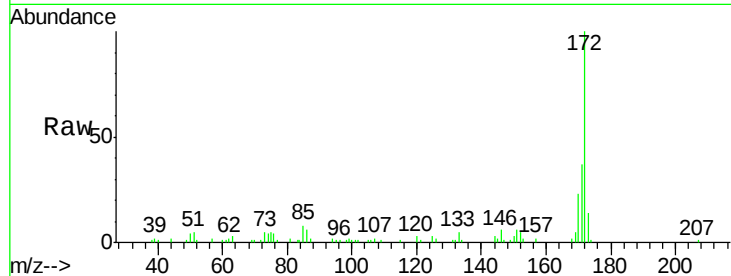
#44
2-Fluorobiphenyl
Concen: 3.381 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	23.5	19.6	29.4

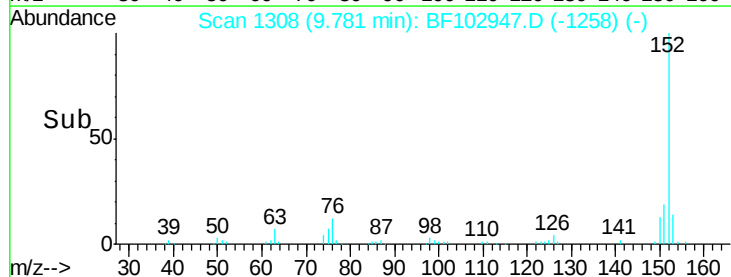
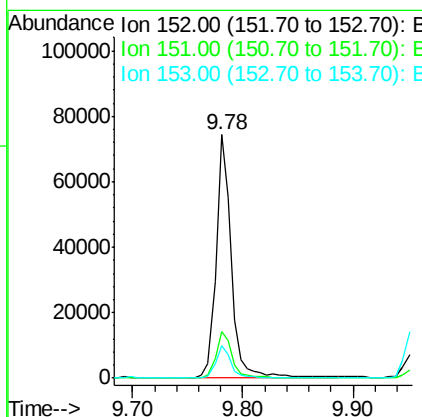
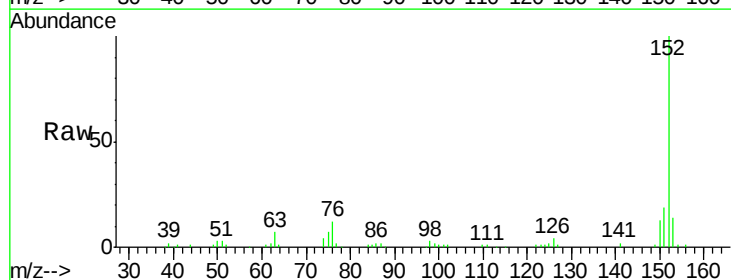
Manual Integrations
APPROVED

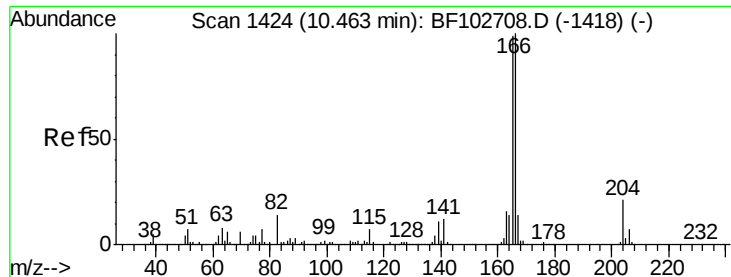
Sohil
2/13/2018 11:26:41 AM



#48
Acenaphthylene
Concen: 2.671 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	13.6	10.7	16.1





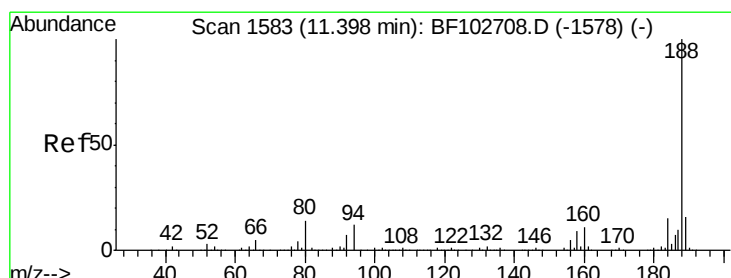
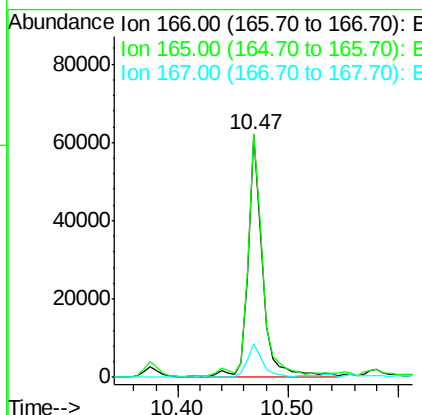
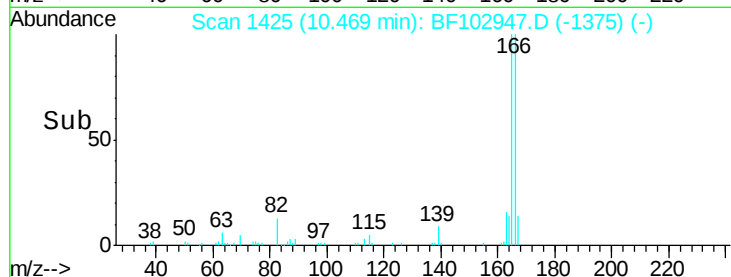
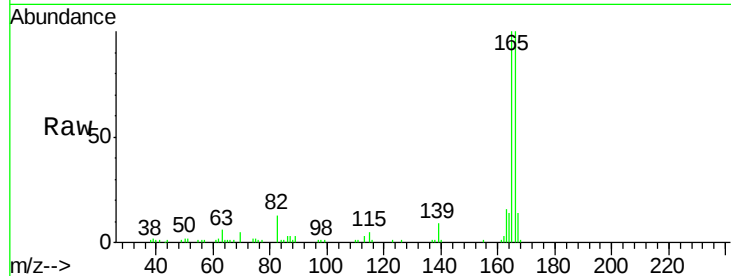
#57
Fluorene
 Concen: 3.545 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102947.D
 Acq: 13 Feb 2018 4:06

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB71_BOT_9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	100.4	79.8		119.8	
167	13.9	10.6		16.0	

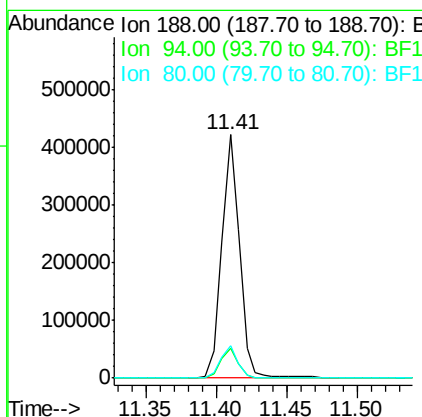
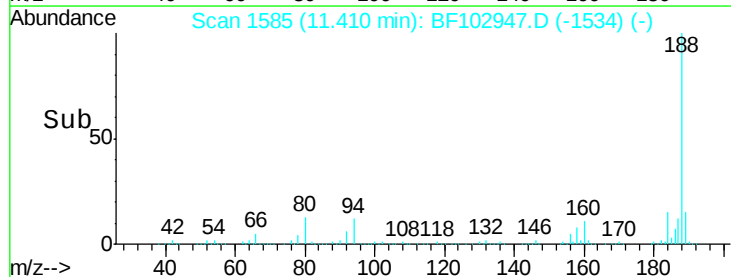
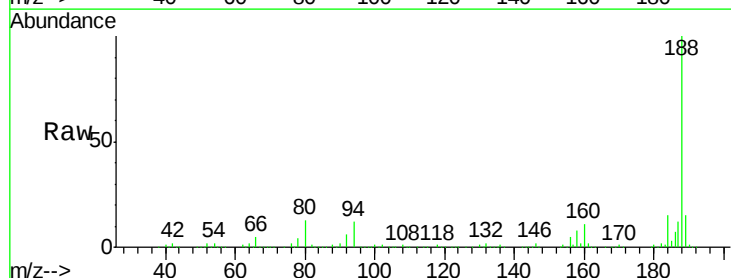
Manual Integrations
 APPROVED

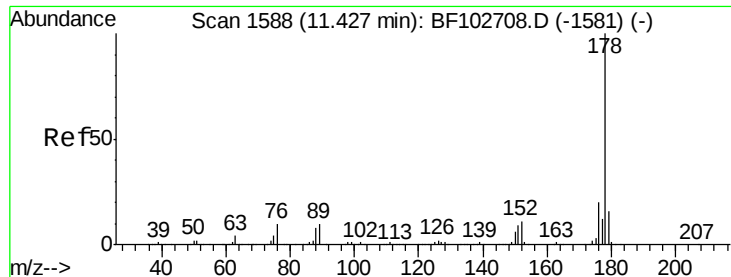
Sohil
 2/13/2018 11:26:41 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102947.D
 Acq: 13 Feb 2018 4:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.3	8.5		12.7	
80	13.2	9.2		13.8	





#70

Phenanthrene

Concen: 18.995 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Instrument :

BNA_F

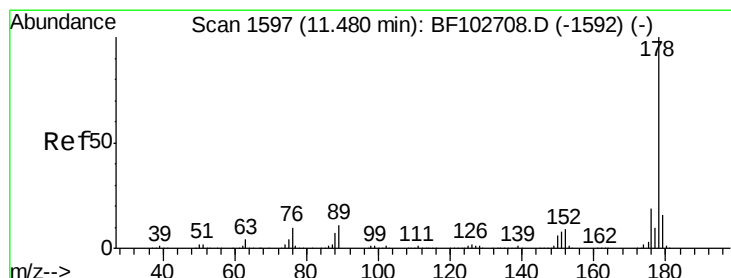
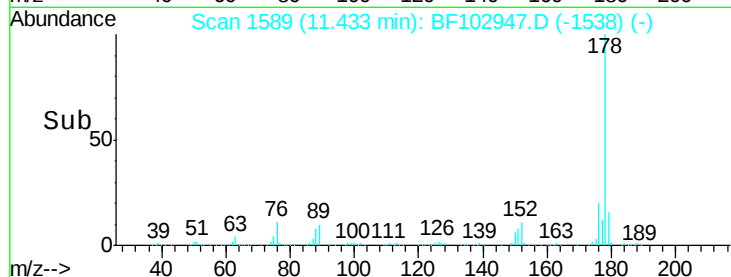
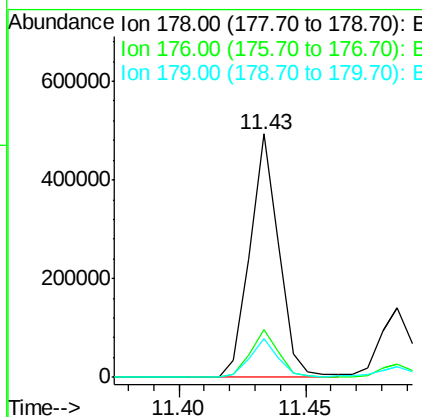
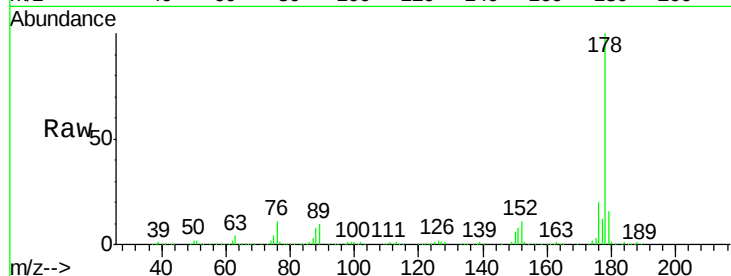
ClientSampleId :

A2 SB71 BOT_9

Tot Ion:	178	Resp:	394836
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.8	13.0	19.6

Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM



#71

Anthracene

Concen: 6.205 ng

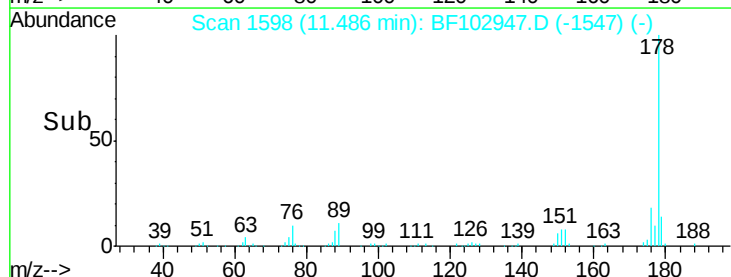
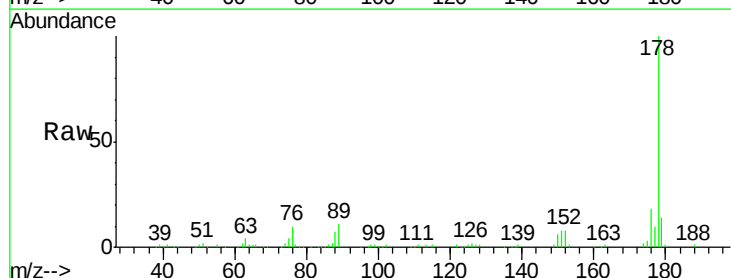
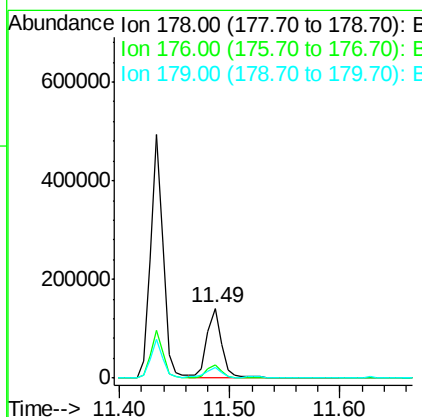
RT: 11.49 min Scan# 1598

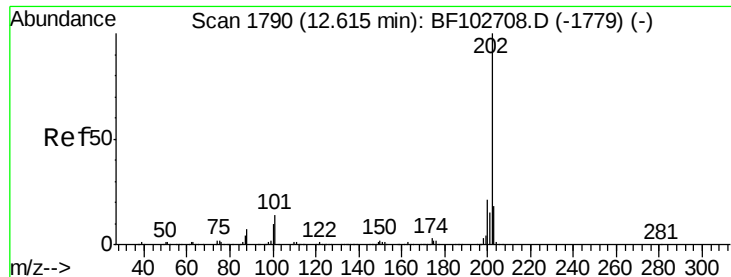
Delta R.T. 0.00 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Tgt Ion:	178	Resp:	131182
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 26.316 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Instrument :

BNA_F

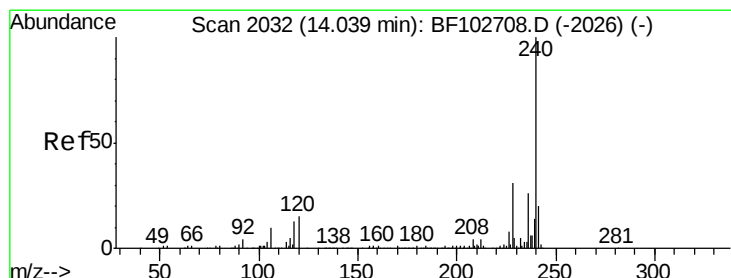
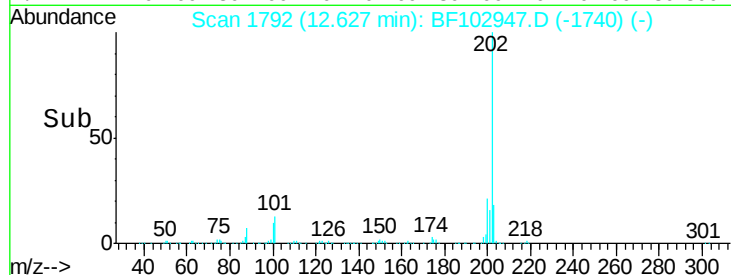
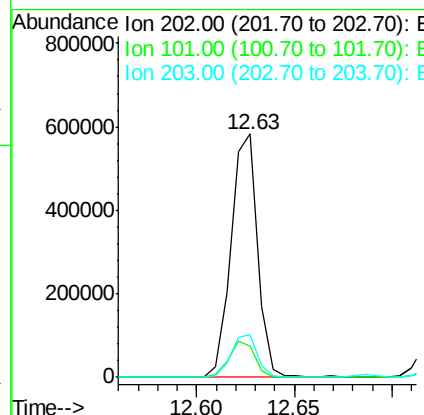
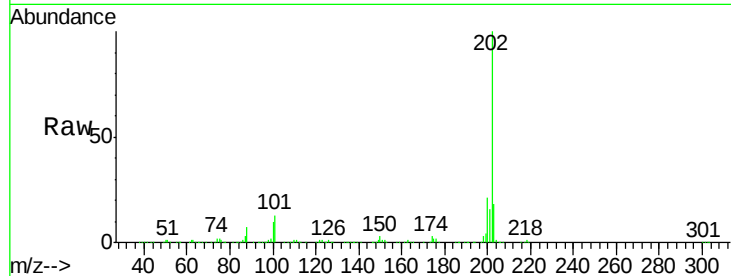
ClientSampleId :

A2 SB71 BOT_9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM



#75

Chrysene-d12

Concen: 20.000 ng

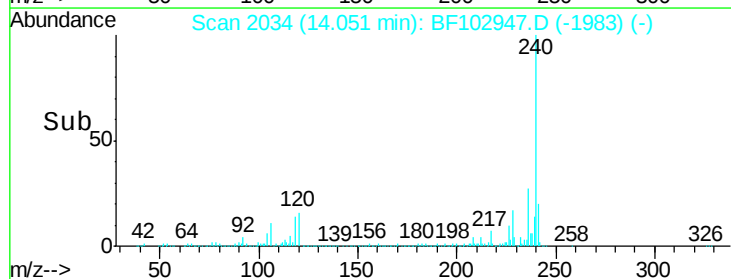
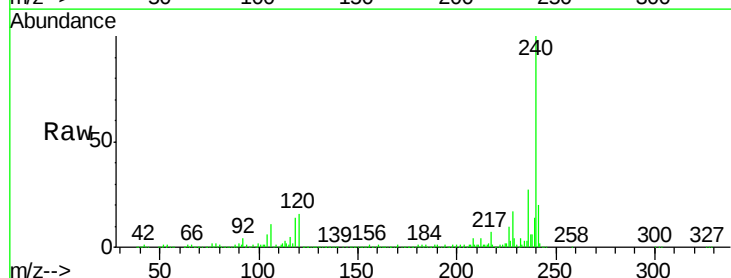
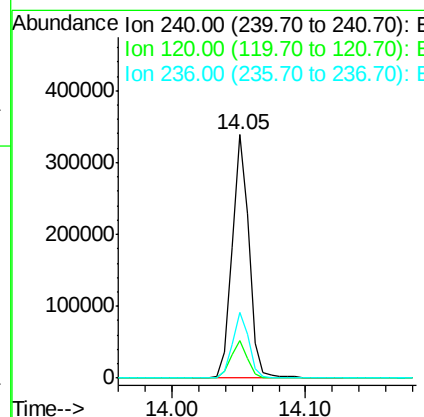
RT: 14.05 min Scan# 2034

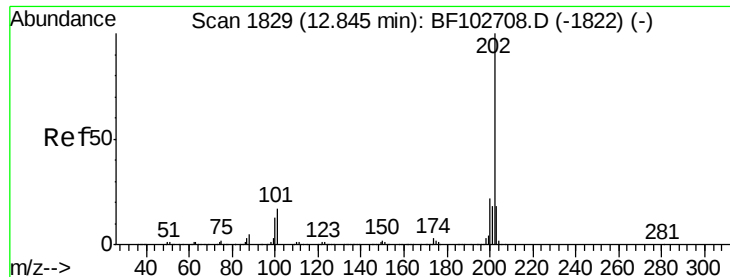
Delta R.T. 0.00 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	27.1	20.7	31.1





#77

Pvrene

Concen: 18.401 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Instrument :

BNA_F

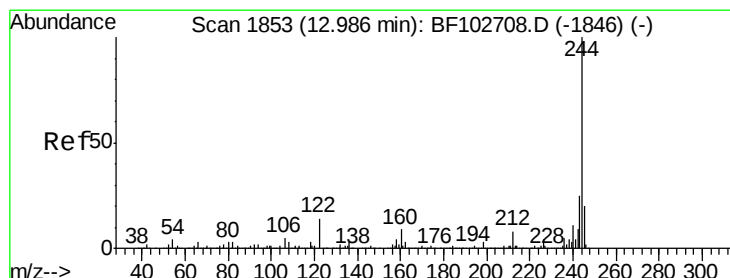
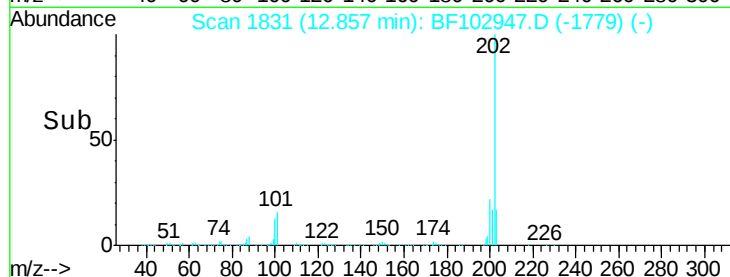
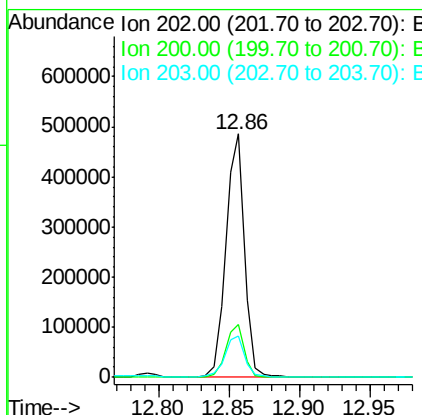
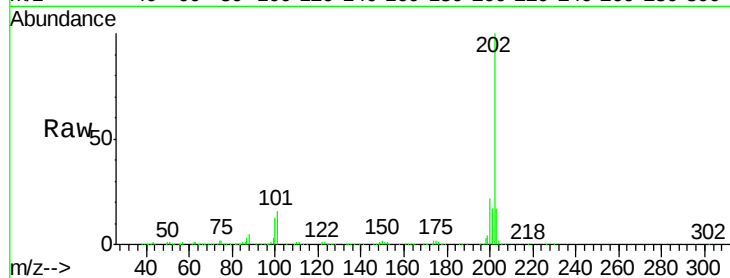
ClientSampleId :

A2_SB71_BOT_9

Tot Ion:	202	Resp:	438502
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.1	14.3	21.5

Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM



#78

Terphenyl-d14

Concen: 2.647 ng

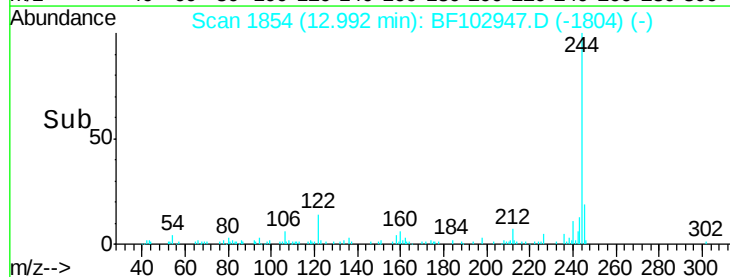
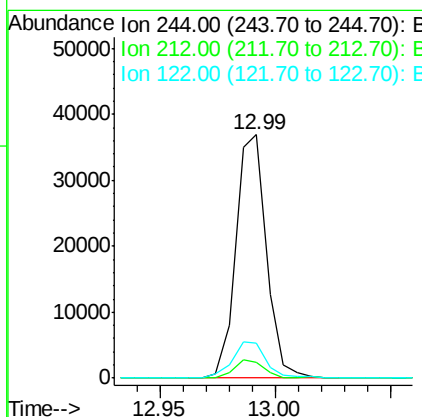
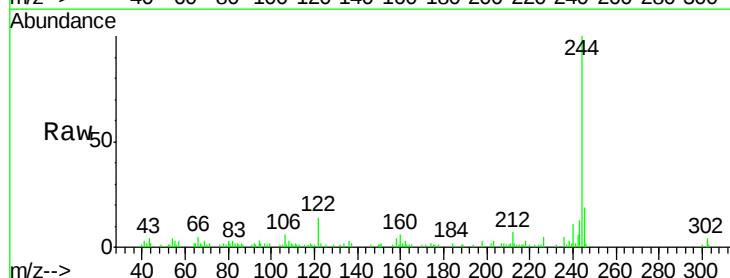
RT: 12.99 min Scan# 1854

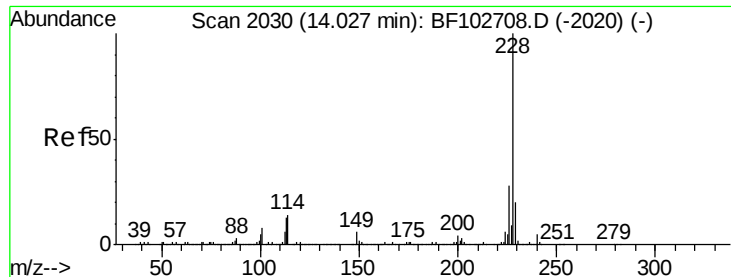
Delta R.T. -0.01 min

Lab File: BF102947.D

Acq: 13 Feb 2018 4:06

Tgt Ion:	244	Resp:	33975
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.4	11.0	16.4





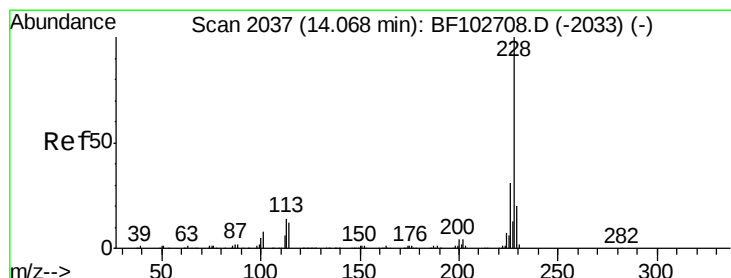
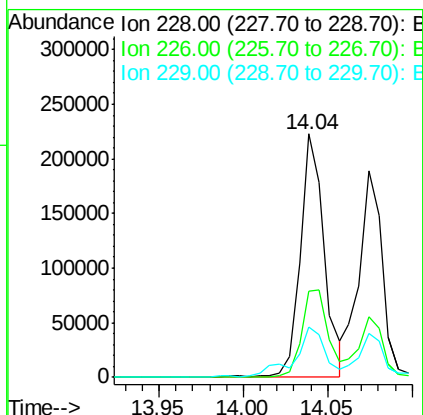
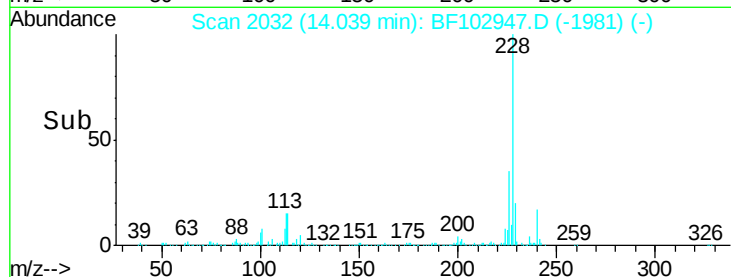
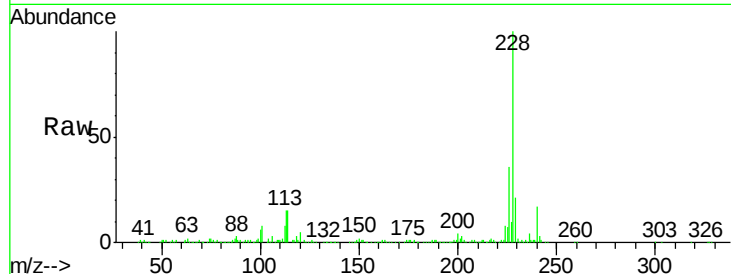
#80
Benzo(a)anthracene
Concen: 11.571 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.6	33.8
229	20.7	15.8	23.6

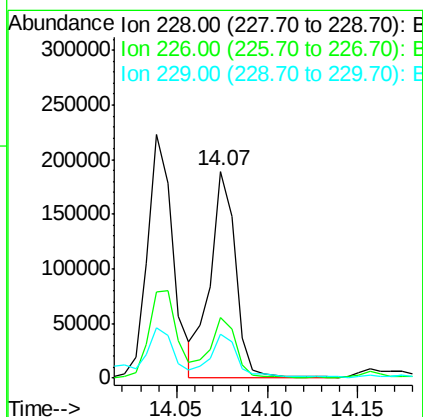
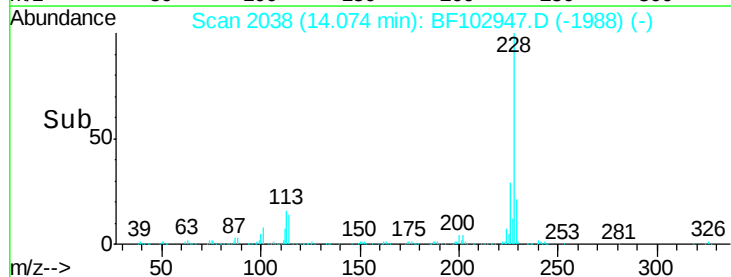
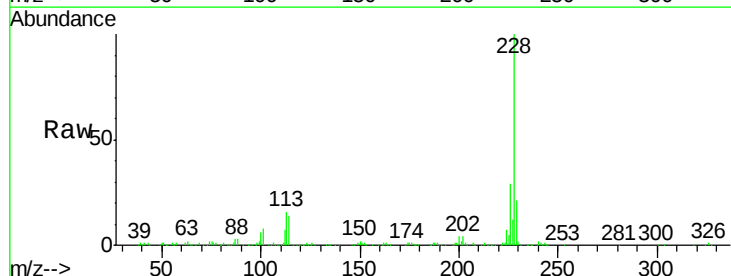
Manual Integrations
APPROVED

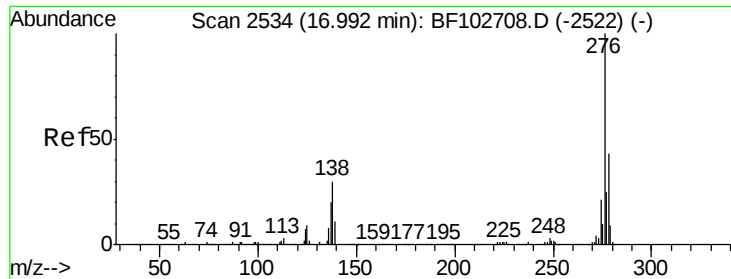
Sohil
2/13/2018 11:26:41 AM



#82
Chrysene
Concen: 9.571 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.1	16.2	24.4





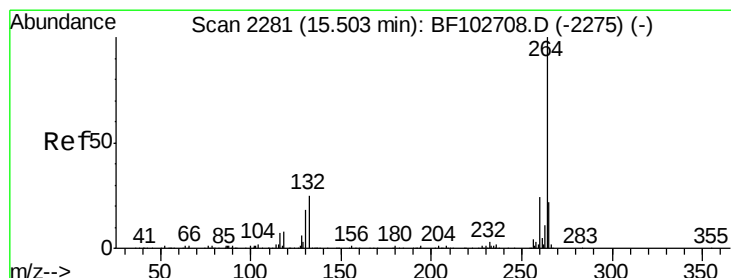
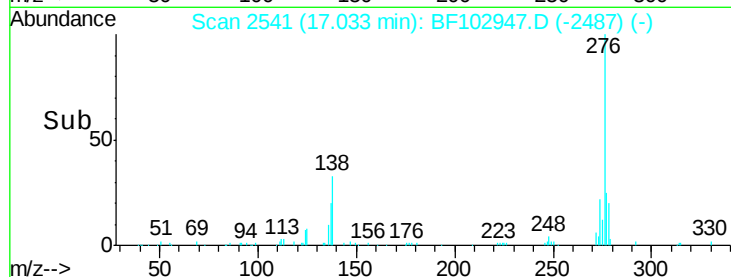
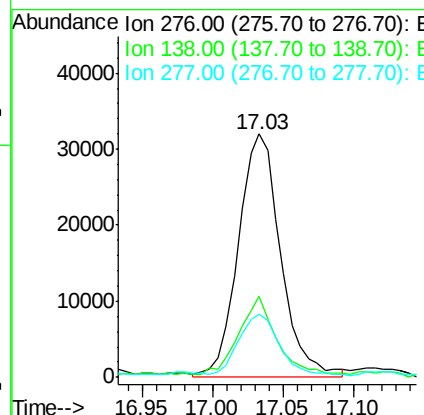
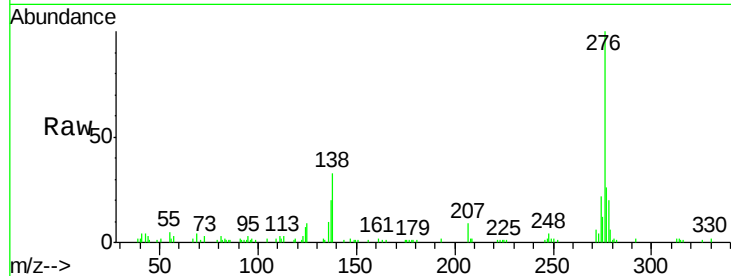
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.211 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	25.0	37.6
277	23.5	20.1	30.1

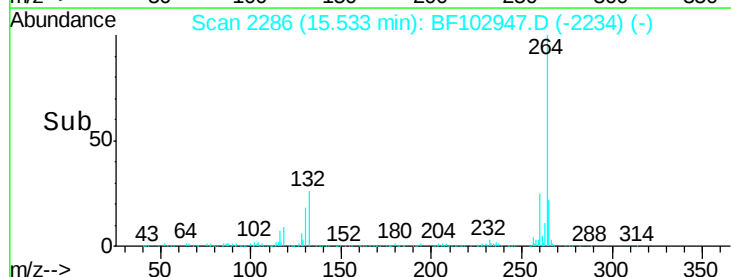
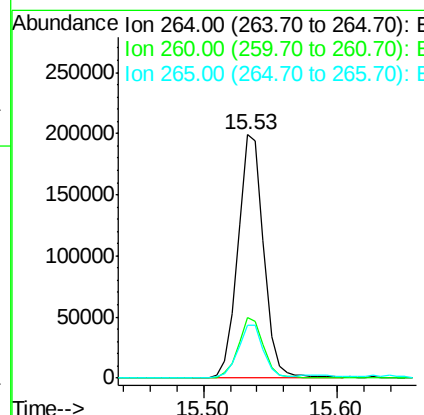
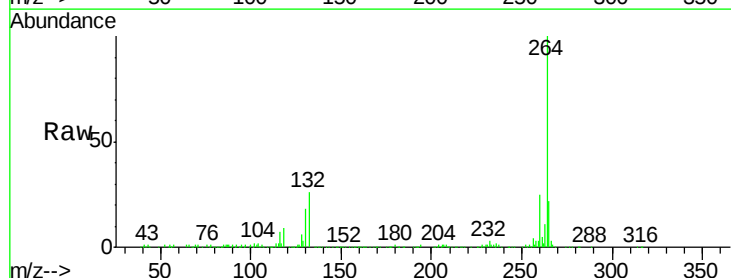
Manual Integrations
APPROVED

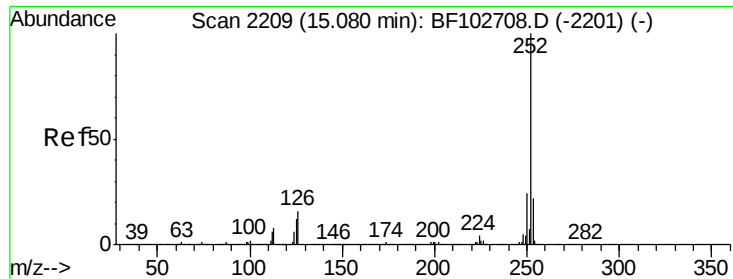
Sohil
2/13/2018 11:26:41 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.9	17.5	26.3





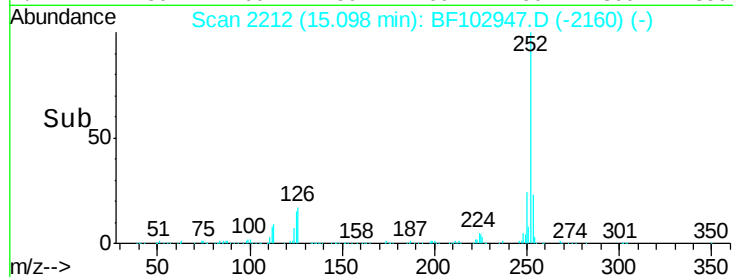
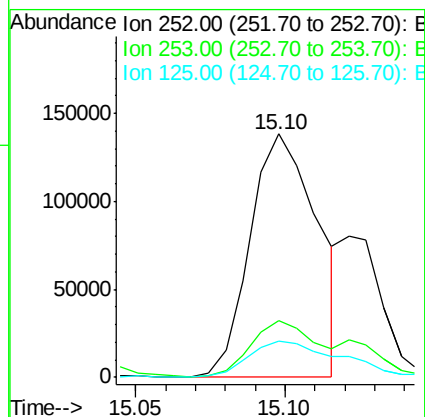
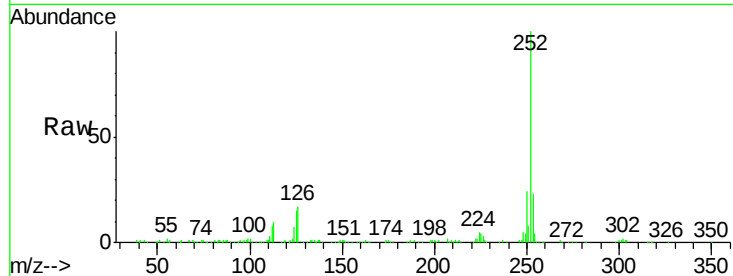
#87
Benzo(b)fluoranthene
Concen: 12.466 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2 SB71 BOT_9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	15.0	9.0	13.6

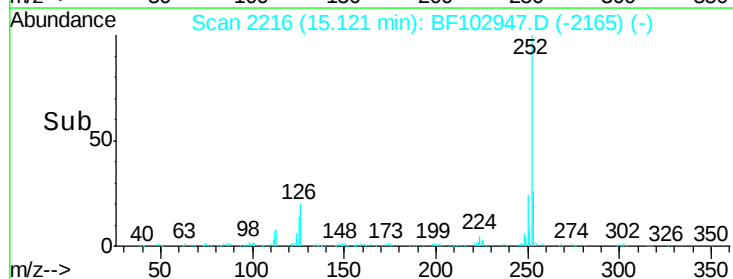
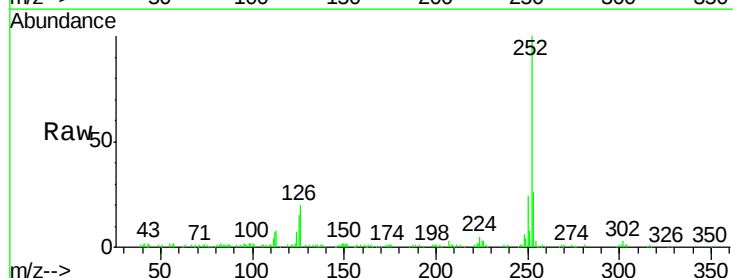
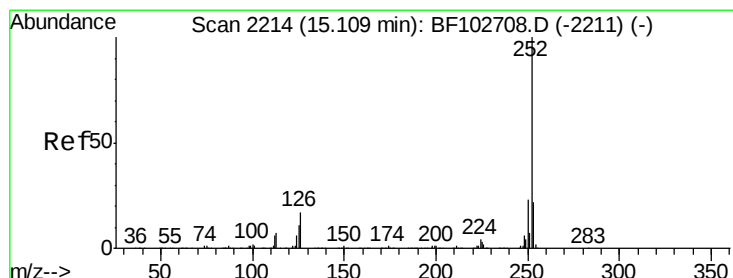
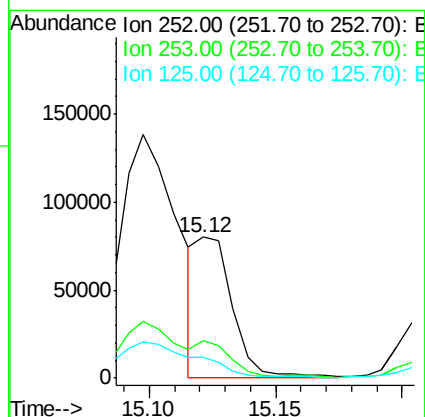
Manual Integrations
APPROVED

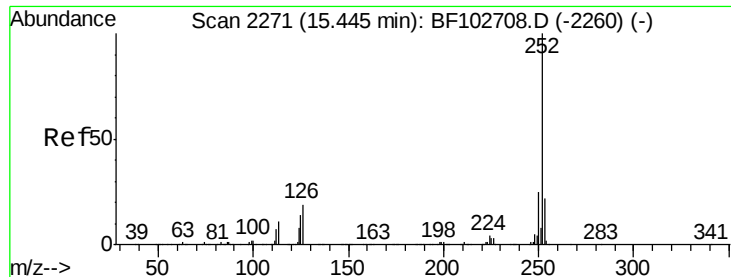
Sohil
2/13/2018 11:26:41 AM



#88
Benzo(k)fluoranthene
Concen: 4.601 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	15.1	10.2	15.2





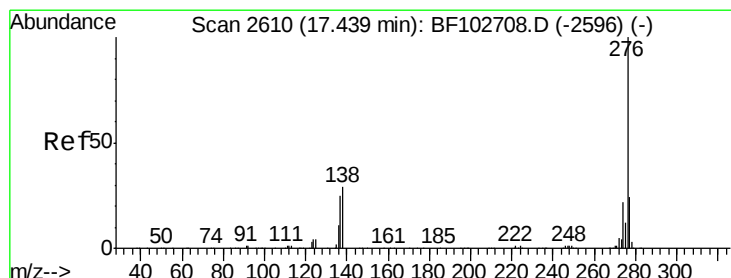
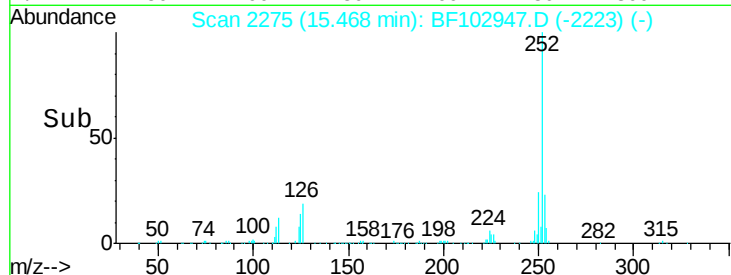
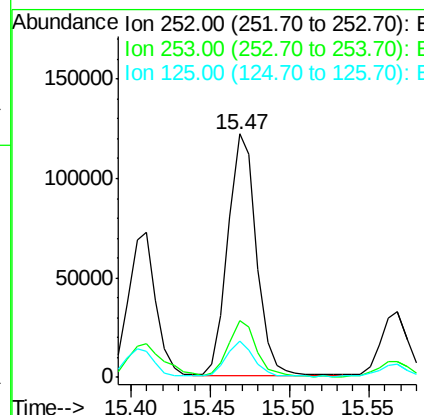
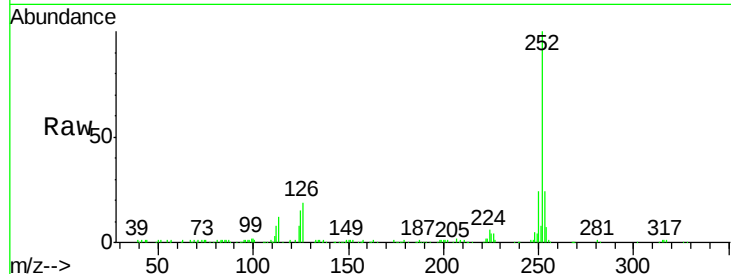
#89
Benzo(a)pyrene
Concen: 9.835 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Instrument :
BNA_F
ClientSampleId :
A2_SB71_BOT_9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
2/13/2018 11:26:41 AM



#91
Benzo(g,h,i)perylene
Concen: 4.690 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF102947.D
Acq: 13 Feb 2018 4:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	29.8	21.8	32.8

