

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF012318\
 Data File : BF102377.D
 Acq On : 24 Jan 2018 8:23
 Operator : SJ/JU
 Sample : J1236-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CA-3

Manual Integrations
 APPROVED

Sohil
 1/24/2018 2:47:30 PM

Quant Time: Jan 24 10:38:05 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	126656	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	534531	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	231826	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	354679	20.00	ng	0.00
75) Chrysene-d12	13.87	240	255789	20.00	ng	0.00
86) Perylene-d12	15.29	264	232514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	173836	20.81	ng	0.00
7) Phenol-d6	6.35	99	224897	22.33	ng	-0.01
23) Nitrobenzene-d5	7.27	82	131616	14.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	36430	15.86	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	255141	16.18	ng	-0.01
78) Terphenyl-d14	12.82	244	168791	14.88	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.26	178	84942	4.110	ng	99
74) Fluoranthene	12.45	202	115914	5.500	ng	95
77) Pyrene	12.67	202	97295	4.920	ng	97
80) Benzo(a)anthracene	13.86	228	42692	2.711	ng	97
82) Chrysene	13.90	228	44208	2.764	ng	93
87) Benzo(b)fluoranthene	14.89	252	46756m	3.103	ng	
89) Benzo(a)pyrene	15.23	252	31777	2.338	ng	98

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

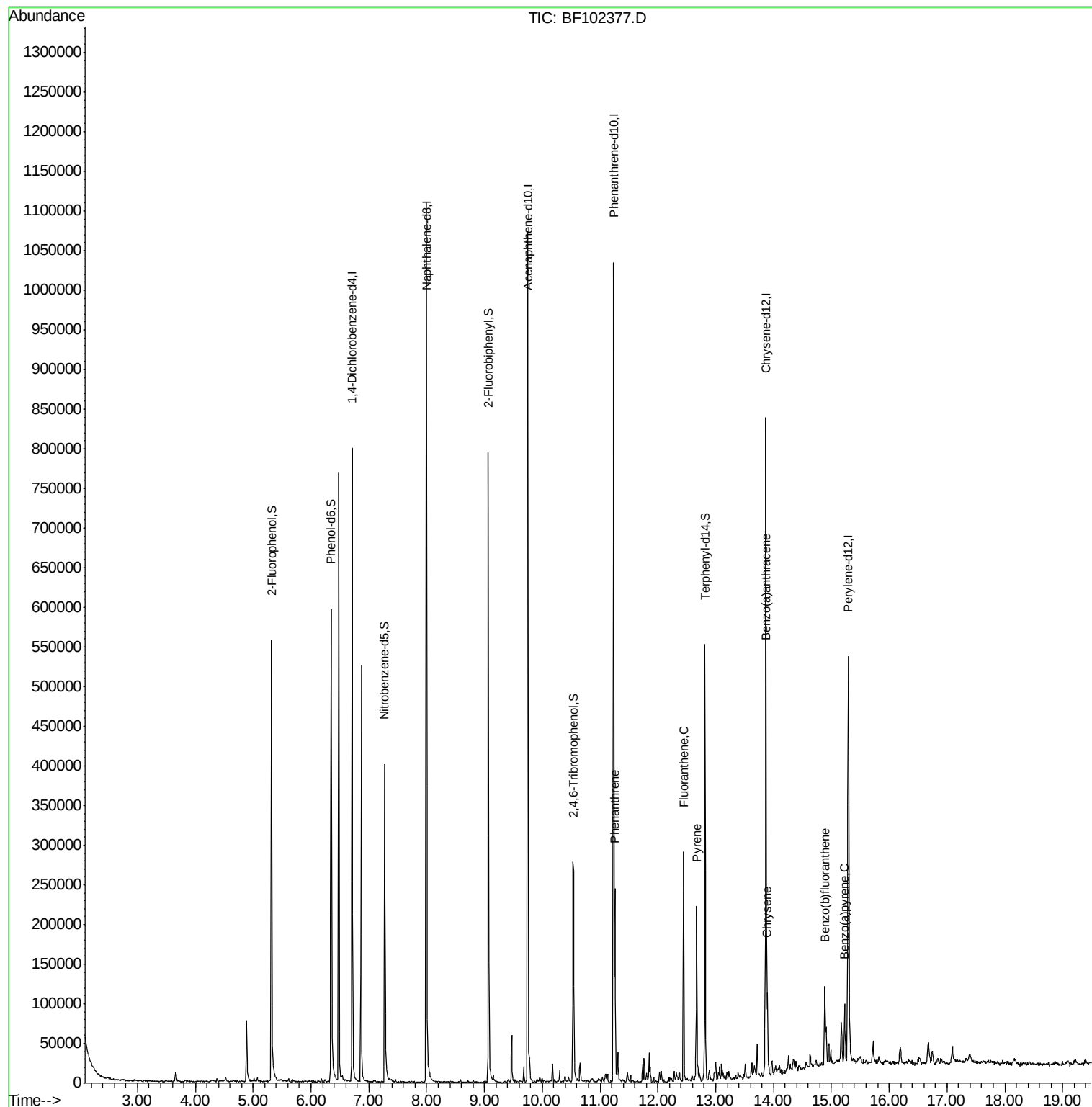
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF012318\
Data File : BF102377.D
Acq On : 24 Jan 2018 8:23
Operator : SJ/JU
Sample : J1236-01 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

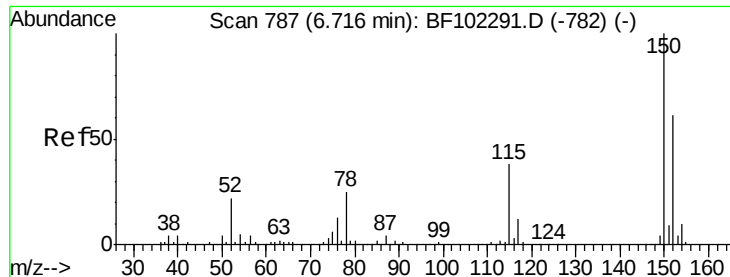
Instrument :
BNA_F
ClientSampleId :
CA-3

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:30 PM

Quant Time: Jan 24 10:38:05 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 00:43:41 2018
Response via : Initial Calibration





#1

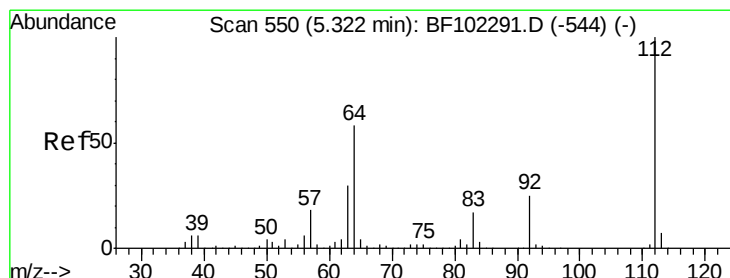
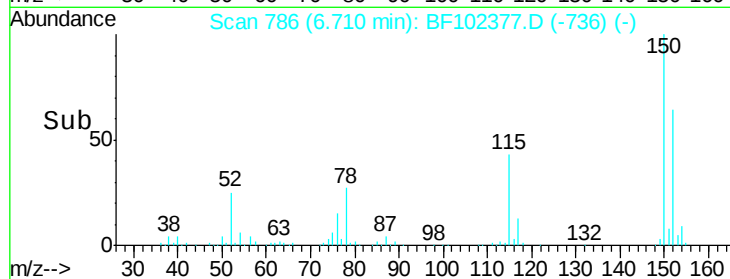
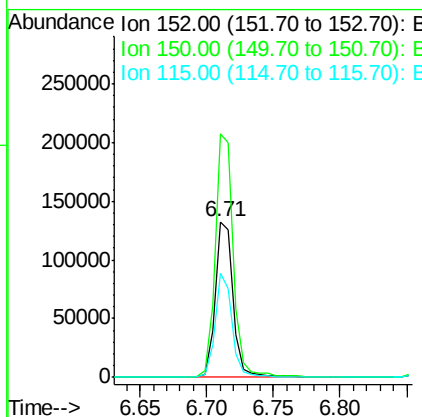
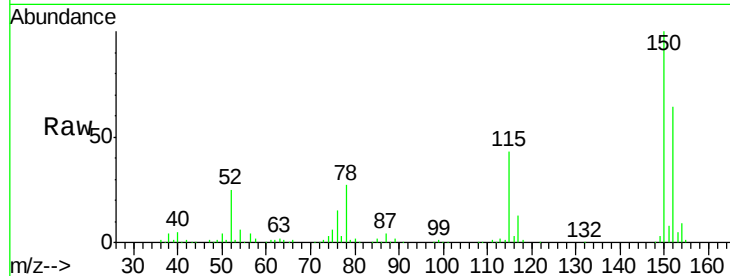
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Instrument :
BNA_F
ClientSampled :
CA-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	66.7	50.1	75.1

Manual Integrations
APPROVED

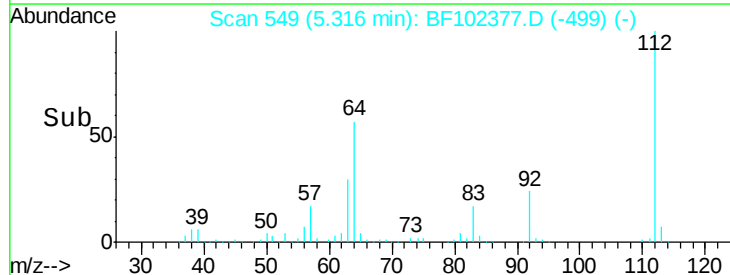
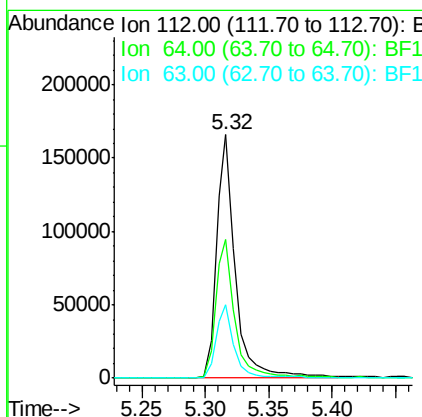
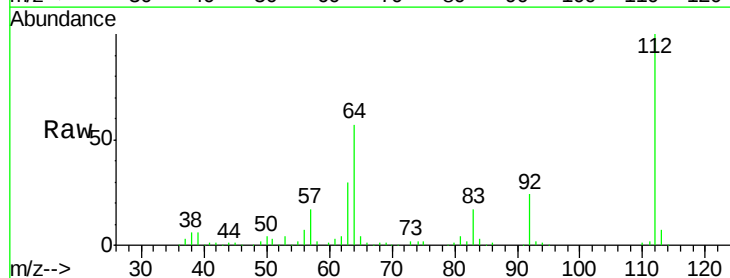
Sohil
1/24/2018 2:47:30 PM

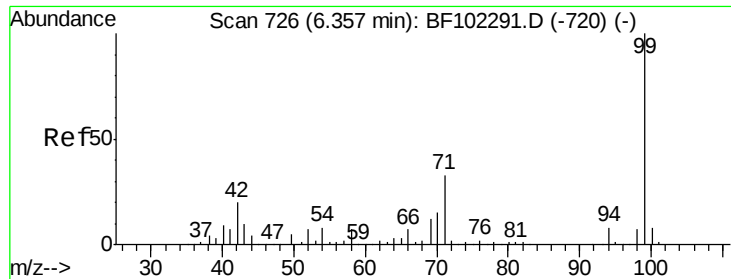


#5

2-Fluorophenol
Concen: 20.811 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 22.332 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

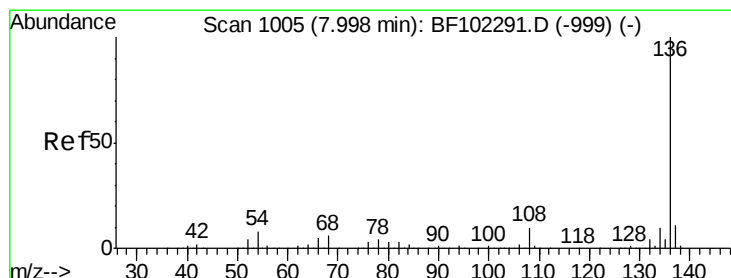
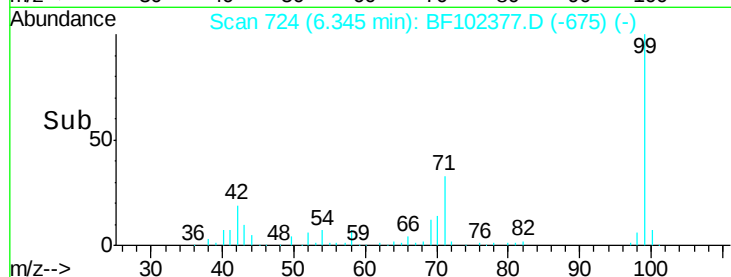
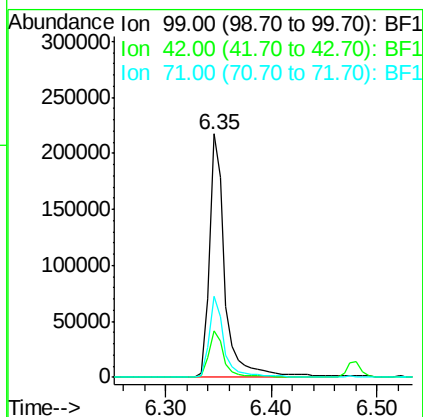
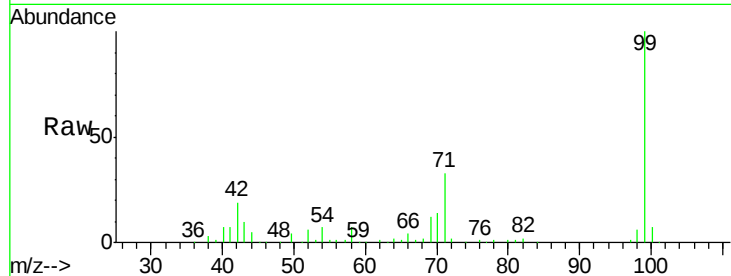
ClientSampled :

CA-3

Tgt Ion:	99	Resp:	224897
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	33.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:30 PM



#21

Naphthalene-d8

Concen: 20.000 ng

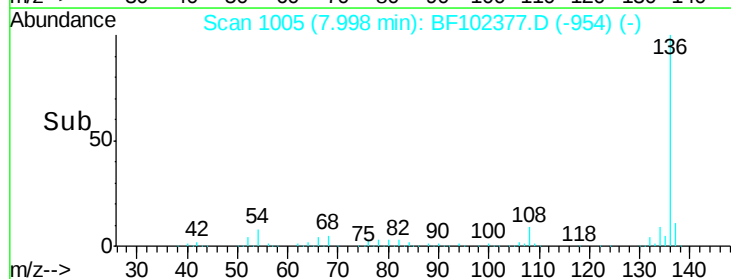
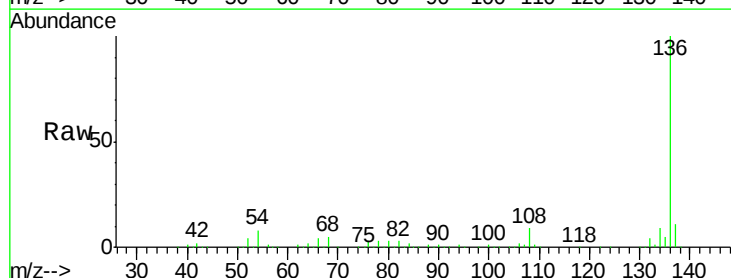
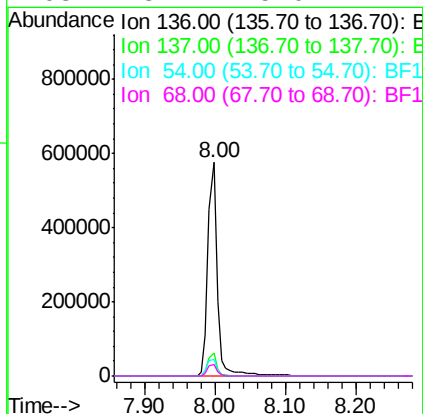
RT: 8.00 min Scan# 1005

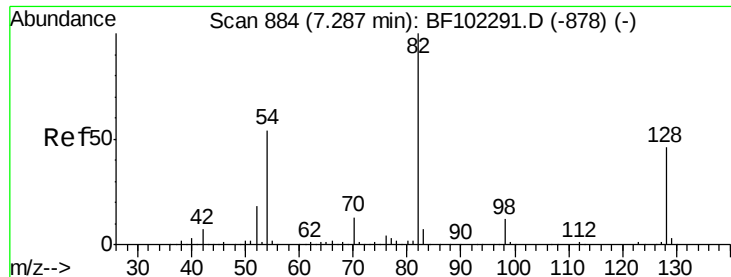
Delta R.T. -0.00 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Tgt Ion:	136	Resp:	534531
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.7	6.6	9.8
68	5.1	5.0	7.4





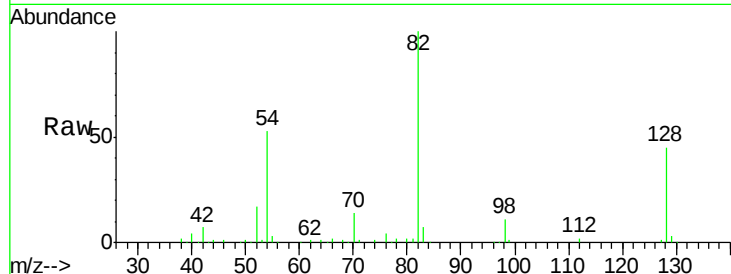
#23
 Nitrobenzene-d5
 Concen: 14.150 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Instrument :
 BNA_F
 ClientSampled :
 CA-3

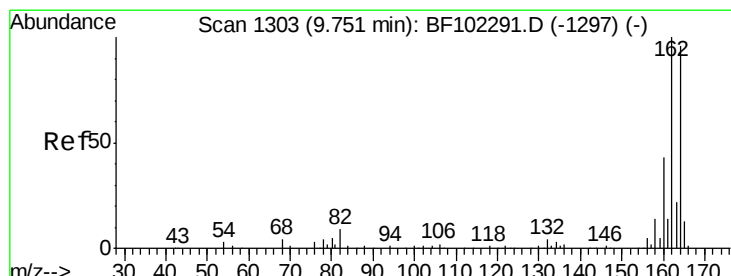
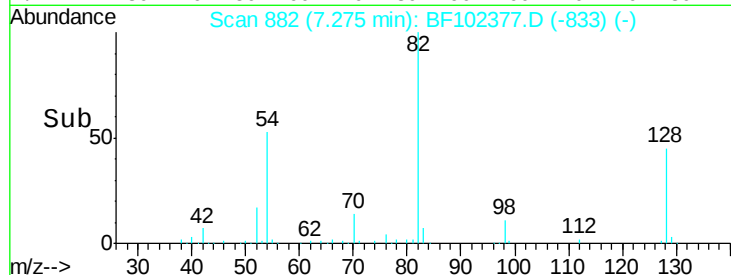
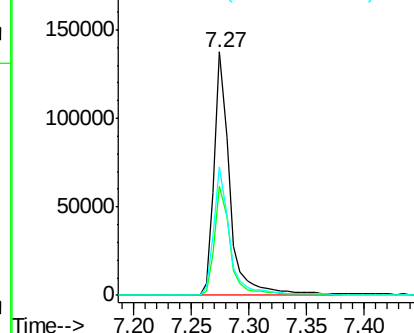
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	45.1	36.1	54.1
54	52.6	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 1/24/2018 2:47:30 PM



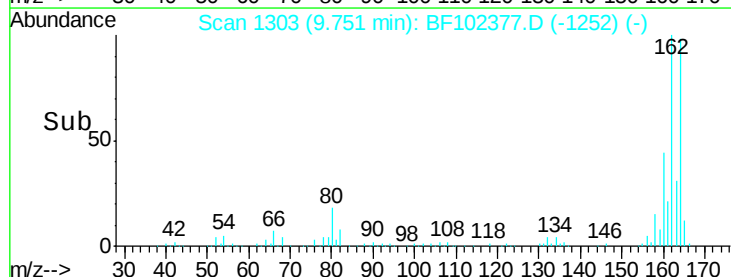
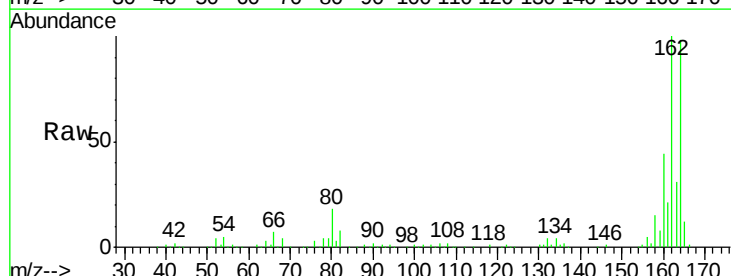
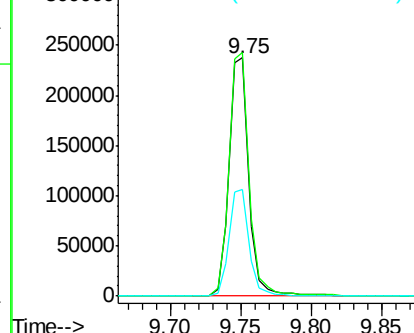
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

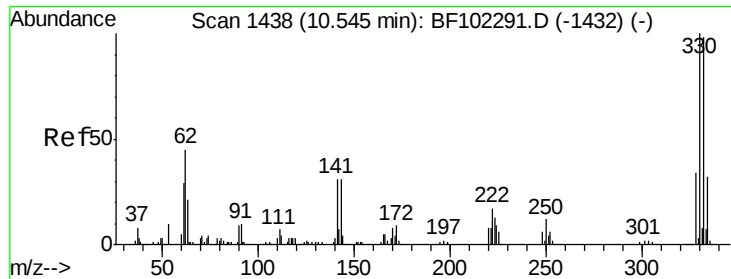


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	102.2	86.1	129.1
160	44.9	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





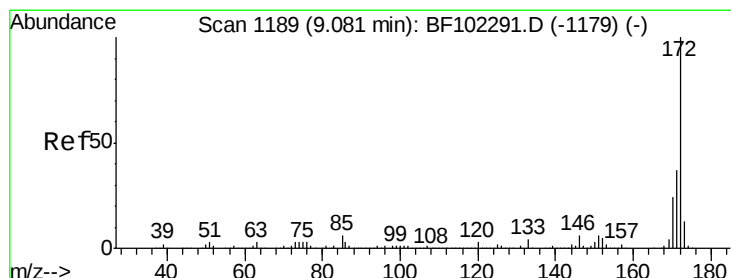
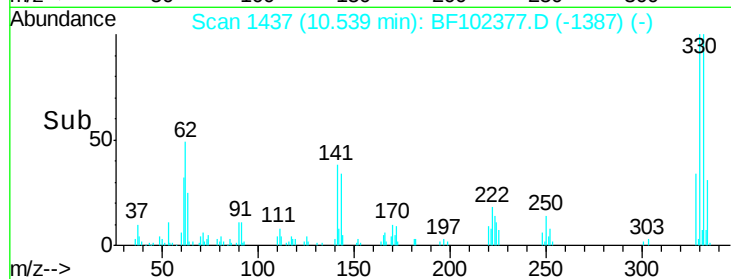
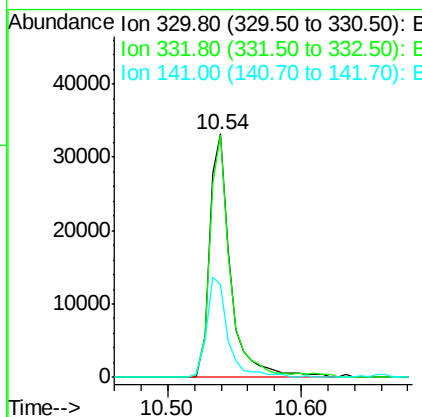
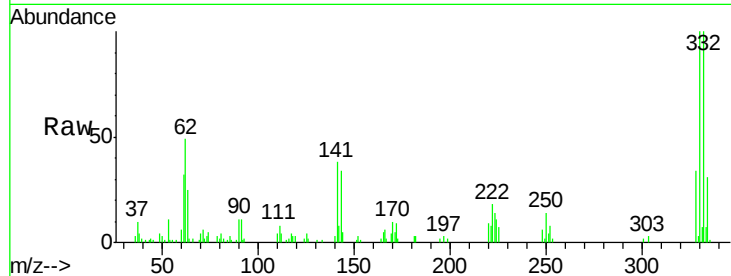
#41
 2,4,6-Tribromophenol
 Concen: 15.859 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Instrument :
 BNA_F
 ClientSampled :
 CA-3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	36430		
332	98.3	77.0	115.6	
141	41.2	29.9	44.9	

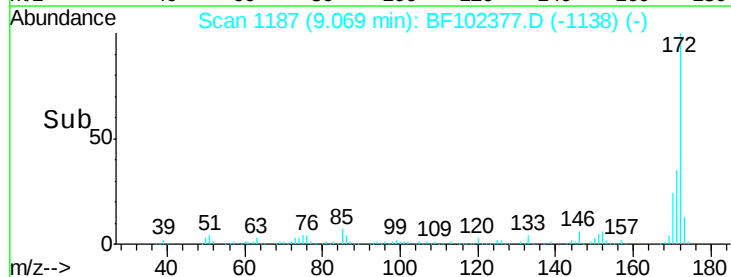
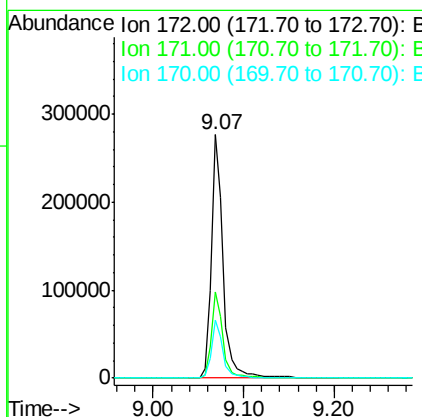
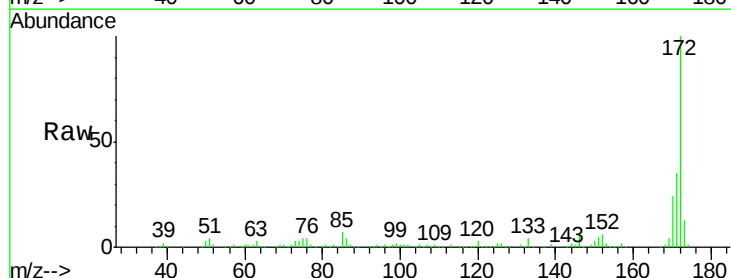
Manual Integrations
 APPROVED

Sohil
 1/24/2018 2:47:30 PM



#44
 2-Fluorobiphenyl
 Concen: 16.182 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102377.D
 Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	255141		
171	35.4	29.7	44.5	
170	23.7	19.6	29.4	





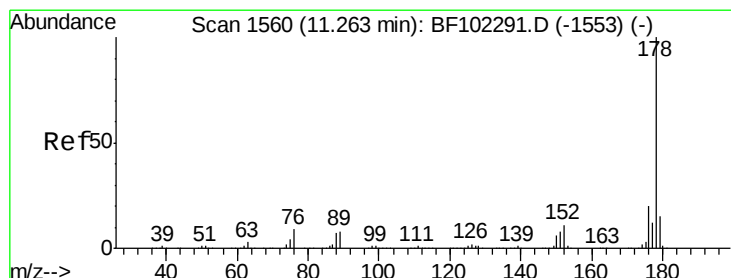
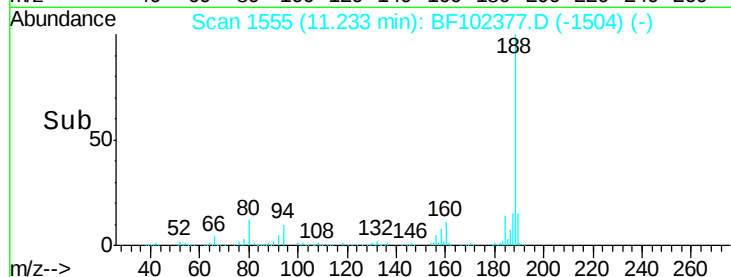
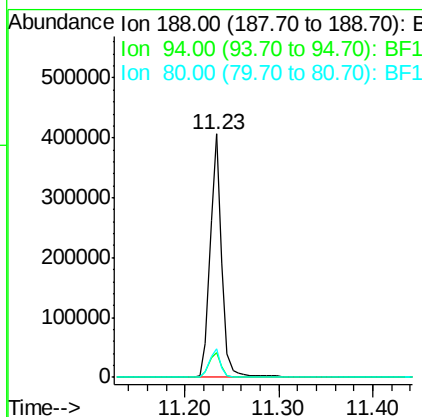
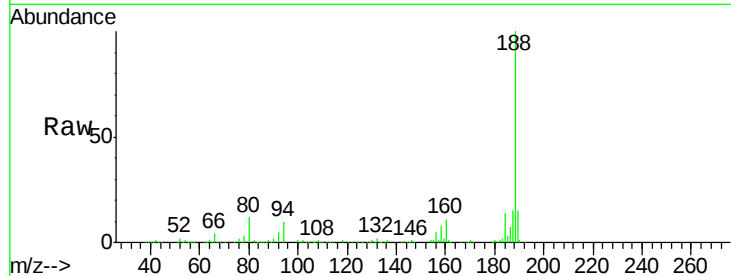
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Instrument :
BNA_F
ClientSampled :
CA-3

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	354679		
94	10.0	8.5	12.7	
80	11.5	9.2	13.8	

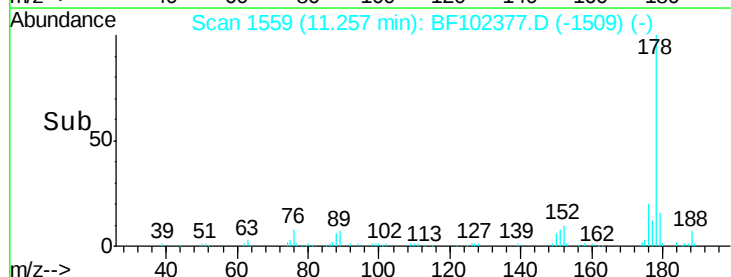
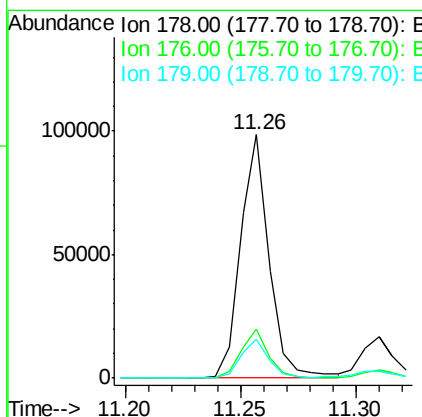
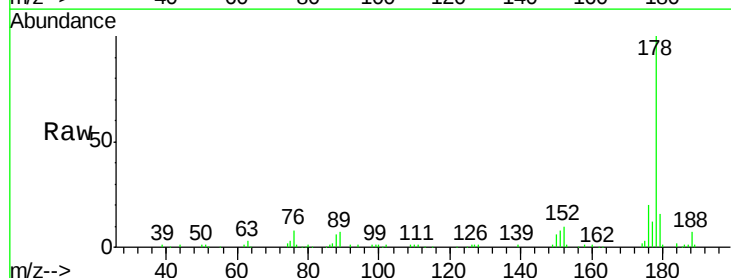
Manual Integrations
APPROVED

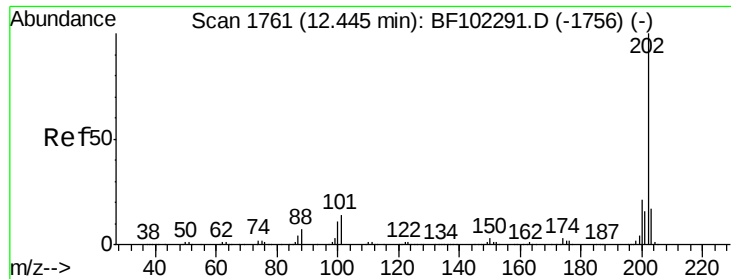
Sohil
1/24/2018 2:47:30 PM



#70
Phenanthrene
Concen: 4.110 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	84942		
176	20.1	15.8	23.8	
179	16.1	13.0	19.6	





#74

Fluoranthene

Concen: 5.500 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

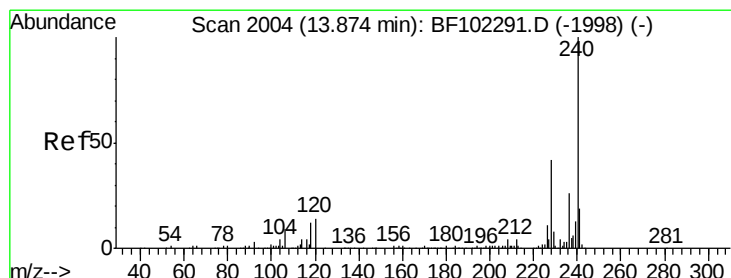
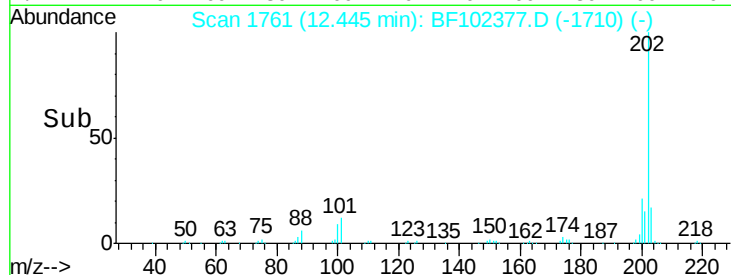
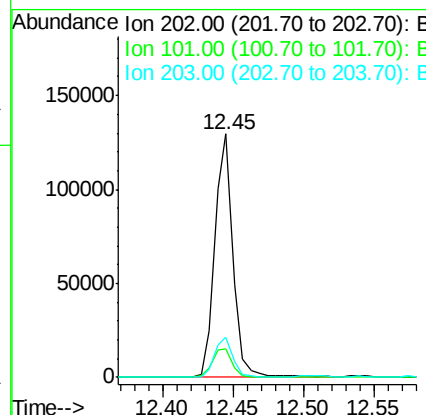
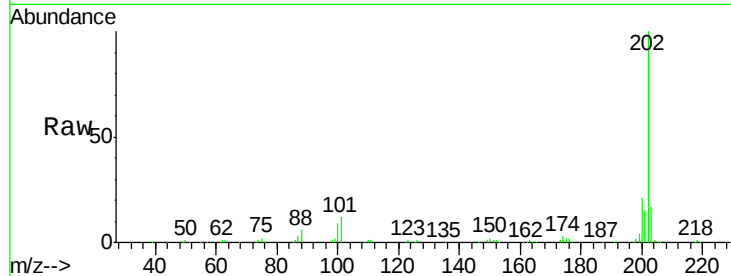
ClientSampleId :

CA-3

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		115914		
101	11.8	0.0	34.1		
203	16.5	0.0	38.1		

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:30 PM



#75

Chrysene-d12

Concen: 20.000 ng

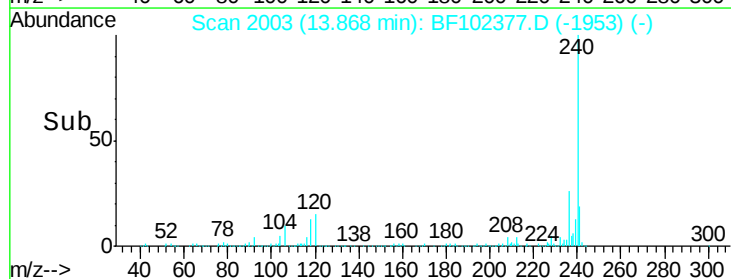
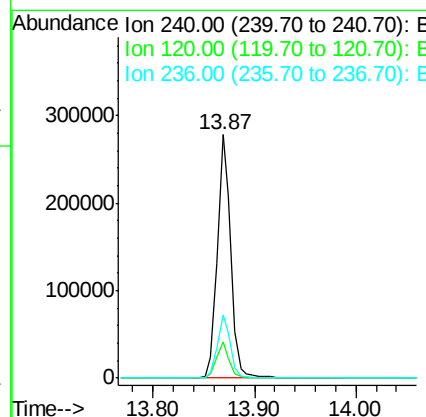
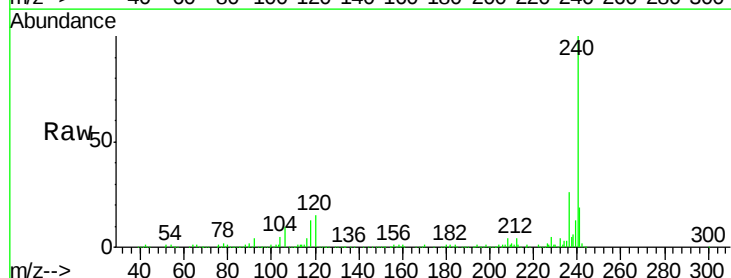
RT: 13.87 min Scan# 2003

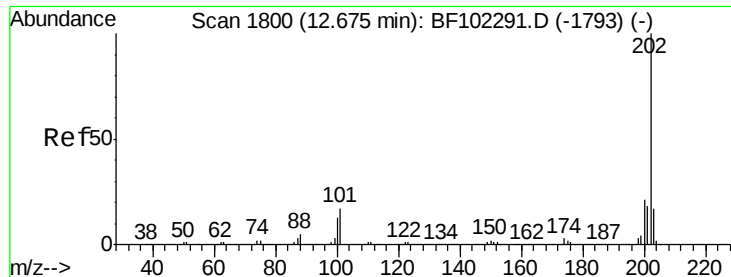
Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		255789		
120	14.7	9.5	14.3#		
236	26.2	20.7	31.1		





#77

Pyrene

Concen: 4.920 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

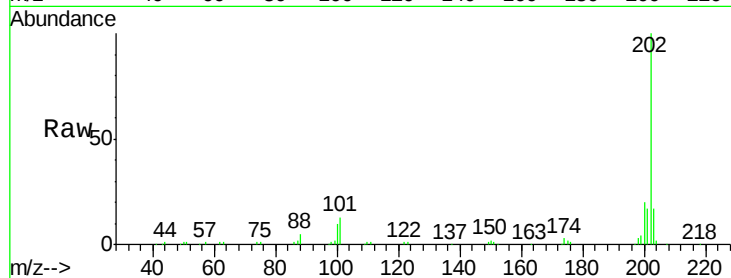
ClientSampled :

CA-3

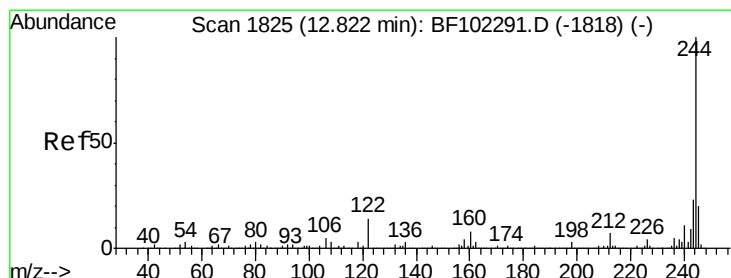
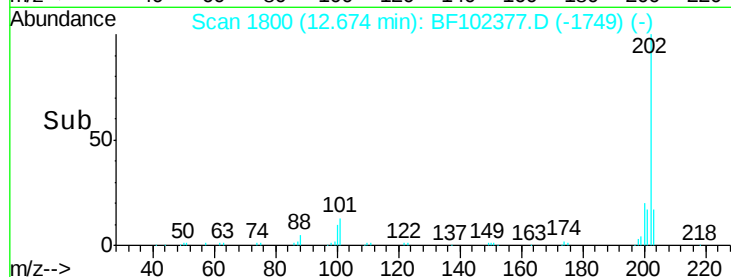
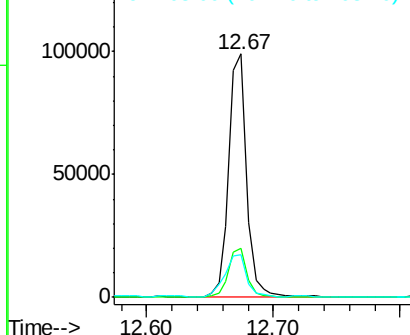
Tgt	Ion	Resp	Lower	Upper
202	100			
200	20.1	17.4	26.2	
203	17.3	14.3	21.5	

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:30 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 14.876 ng

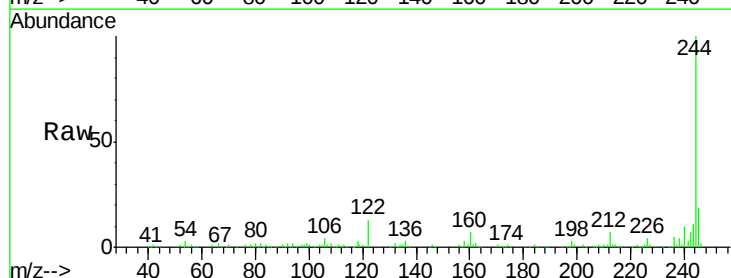
RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

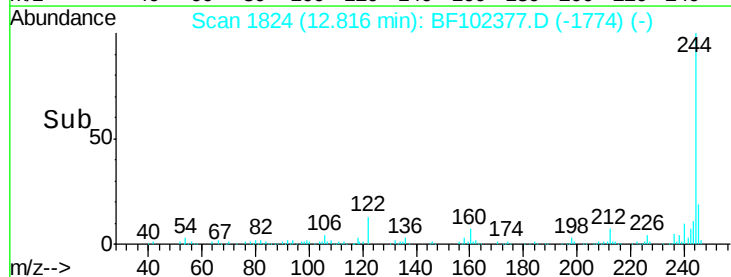
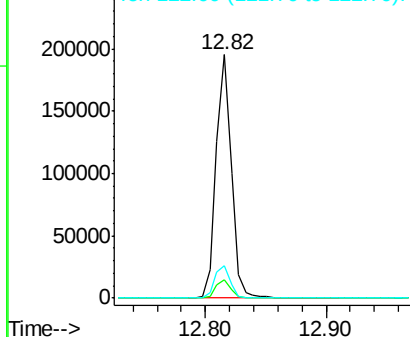
Lab File: BF102377.D

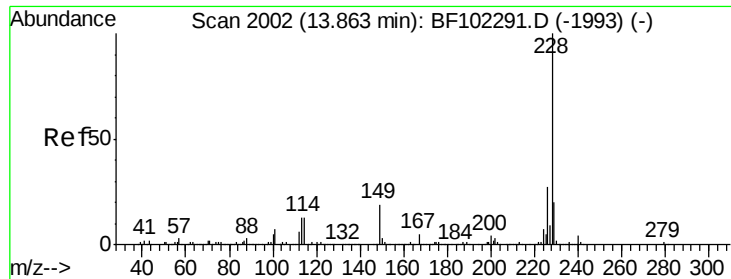
Acq: 24 Jan 2018 8:23

Tgt	Ion	Resp	Lower	Upper
244	100			
212	7.3	5.4	8.0	
122	13.4	11.0	16.4	



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





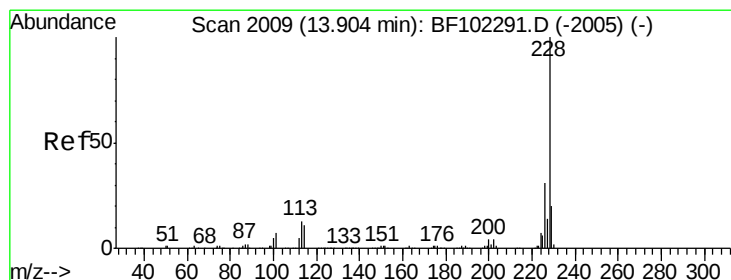
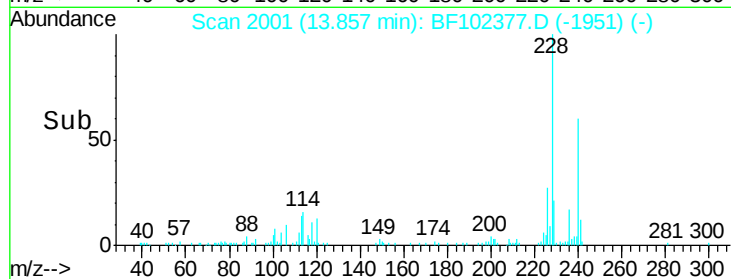
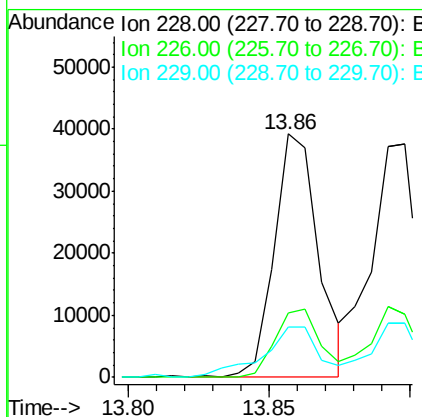
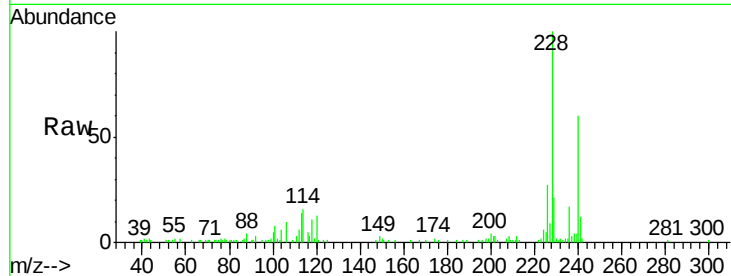
#80
Benzo(a)anthracene
Concen: 2.711 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Instrument :
BNA_F
ClientSampled :
CA-3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	20.6	15.8	23.6

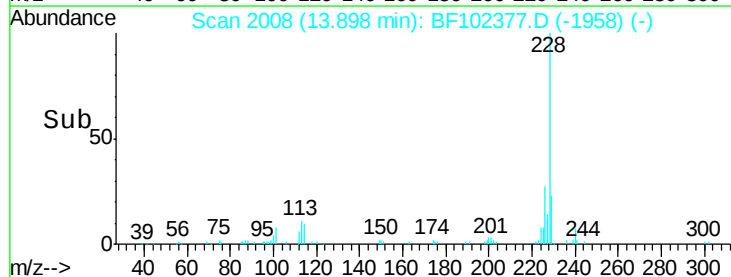
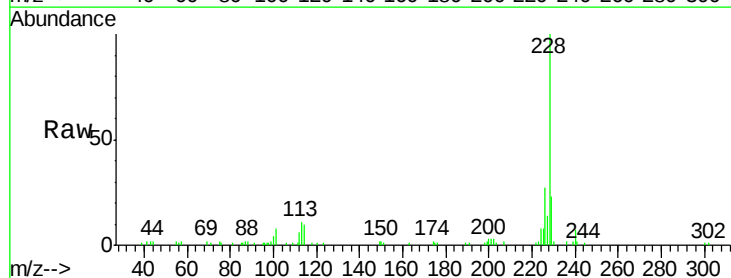
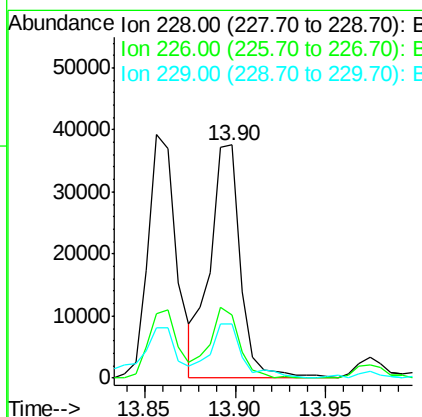
Manual Integrations
APPROVED

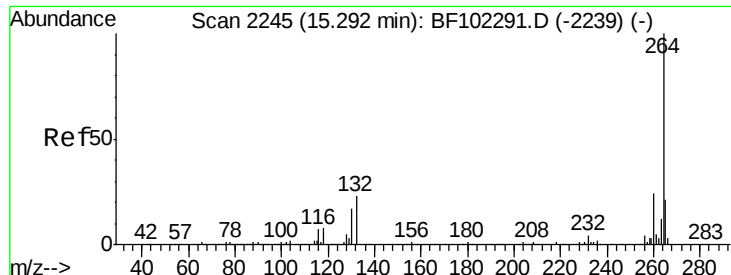
Sohil
1/24/2018 2:47:30 PM



#82
Chrysene
Concen: 2.764 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	25.0	37.6
229	23.3	16.2	24.4





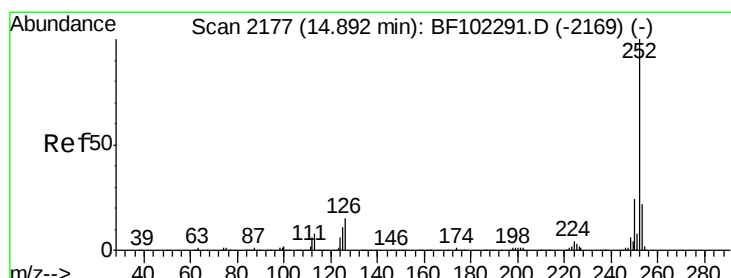
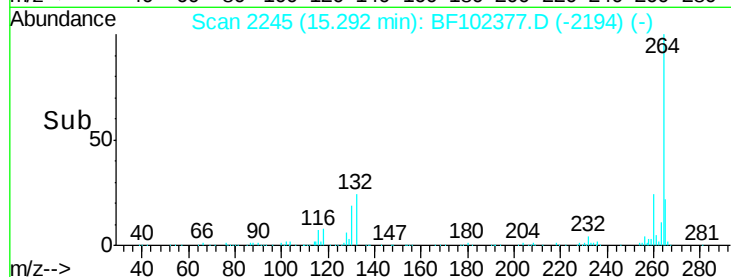
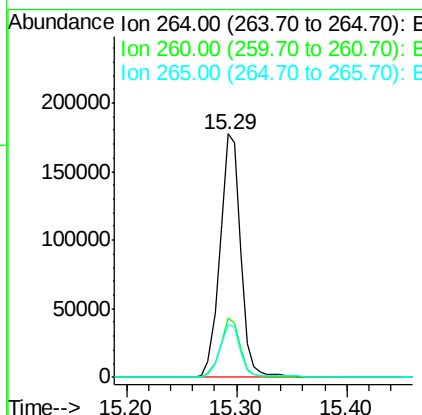
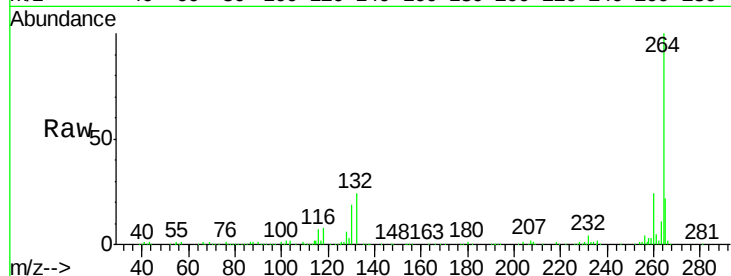
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Instrument :
BNA_F
ClientSampleId :
CA-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.8	17.5	26.3

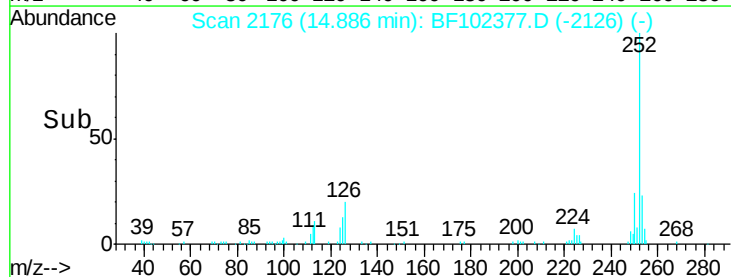
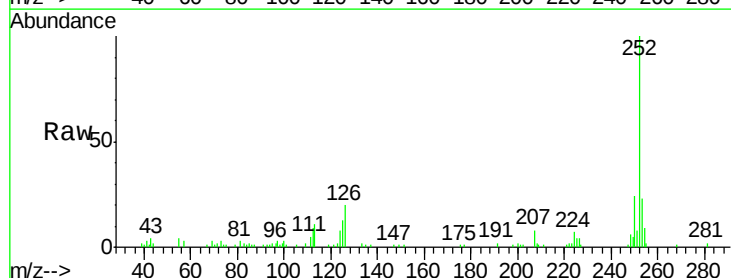
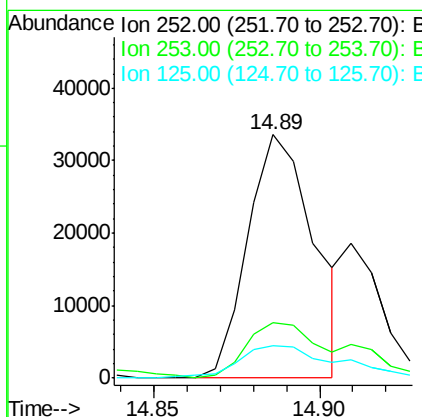
Manual Integrations
APPROVED

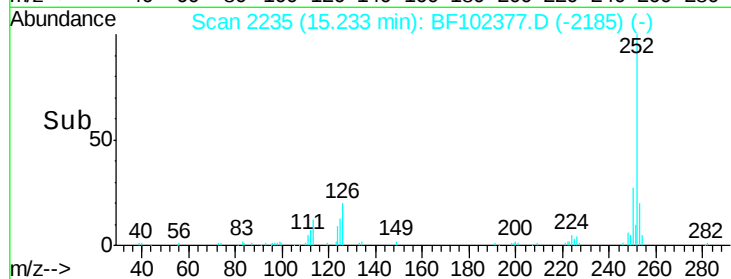
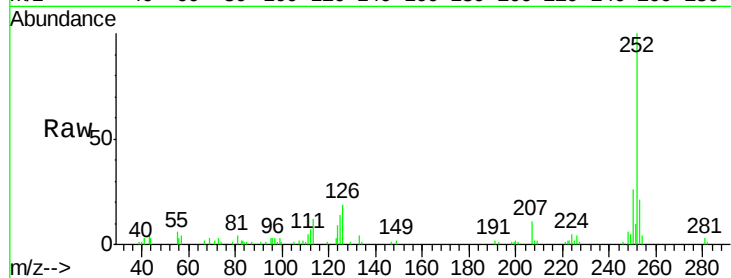
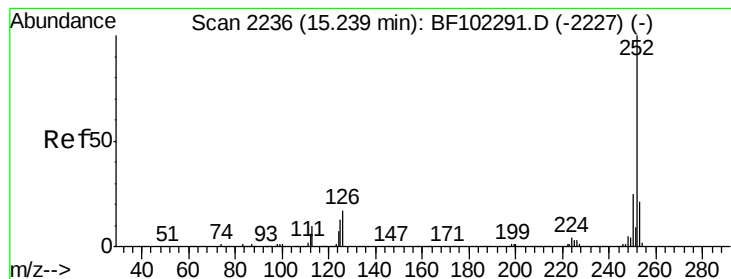
Sohil
1/24/2018 2:47:30 PM



#87
Benzo(b)fluoranthene
Concen: 3.103 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF102377.D
Acq: 24 Jan 2018 8:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.1	9.0	13.6





#89

Benzo(a)pyrene

Concen: 2.338 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF102377.D

Acq: 24 Jan 2018 8:23

Instrument :

BNA_F

ClientSampleId :

CA-3

Tgt Ion:	252	Resp:	31777
Ion Ratio	Lower	Upper	
252	100		
253	21.0	17.1	25.7
125	13.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
1/24/2018 2:47:30 PM

