

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
 Data File : BF114031.D
 Acq On : 29 Apr 2019 19:02
 Operator : JU/SJ
 Sample : K2564-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1_042419

Manual Integrations
 APPROVED

Sohil
 4/30/2019 6:42:26 PM

Quant Time: Apr 30 07:02:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	120301	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	424660	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	191692	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	353592	20.00	ng	0.00
76) Chrysene-d12	14.05	240	350946	20.00	ng	-0.02
87) Perylene-d12	15.53	264	324380	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	357770	50.87	ng	0.00
7) Phenol-d6	6.52	99	450512	51.05	ng	0.00
23) Nitrobenzene-d5	7.45	82	261778	38.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	114031	48.83	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	507687	41.42	ng	-0.01
79) Terphenyl-d14	12.99	244	545197	31.85	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.63	163	53735	3.876	ng	Qvalue 100
52) Acenaphthene	9.96	154	26680	2.422	ng	96
58) Fluorene	10.47	166	36749	2.958	ng	98
71) Phenanthrene	11.43	178	413360	23.262	ng	98
72) Anthracene	11.48	178	111932	6.238	ng	97
73) Carbazole	11.63	167	44106	2.755	ng	99
75) Fluoranthene	12.62	202	613790	31.659	ng	97
78) Pyrene	12.85	202	564100	22.985	ng	98
81) Benzo(a)anthracene	14.04	228	350943	16.973	ng	99
83) Chrysene	14.07	228	330995	16.437	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	114802	6.019	ng	94
88) Benzo(b)fluoranthene	15.10	252	353870m	17.242	ng	
89) Benzo(k)fluoranthene	15.13	252	130818m	7.410	ng	
90) Benzo(a)pyrene	15.47	252	241537	13.606	ng	98
92) Benzo(g,h,i)perylene	17.46	276	98594	5.863	ng	99

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

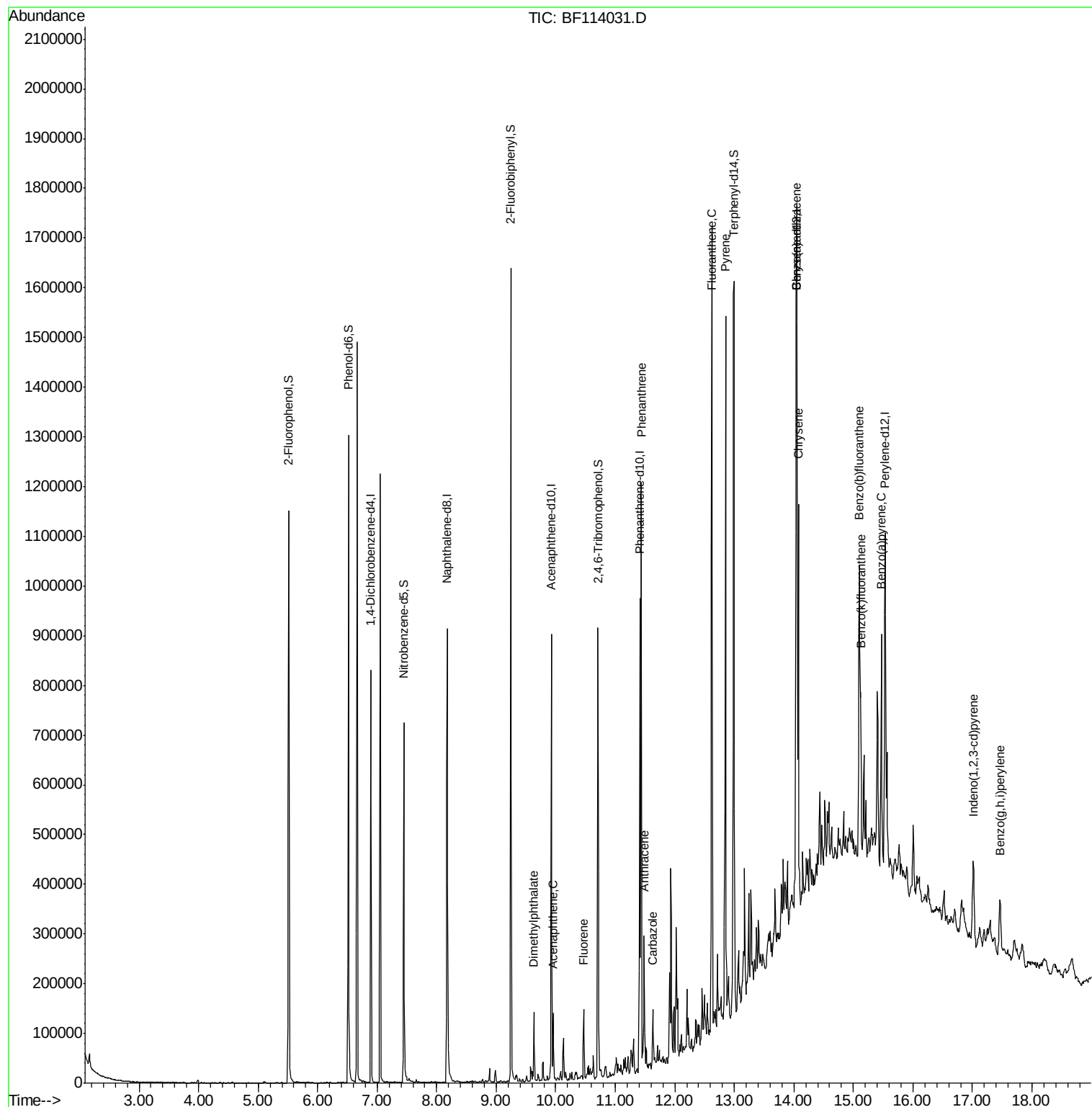
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
Data File : BF114031.D
Acq On : 29 Apr 2019 19:02
Operator : JU/SJ
Sample : K2564-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

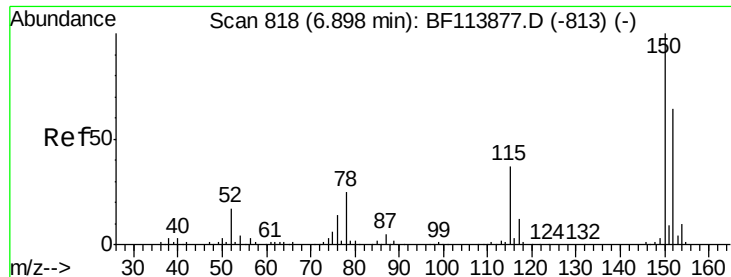
Instrument :
BNA_F
ClientSampleId :
C-1_042419

Manual Integrations
APPROVED

Sohil
4/30/2019 6:42:26 PM

Quant Time: Apr 30 07:02:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration





#1

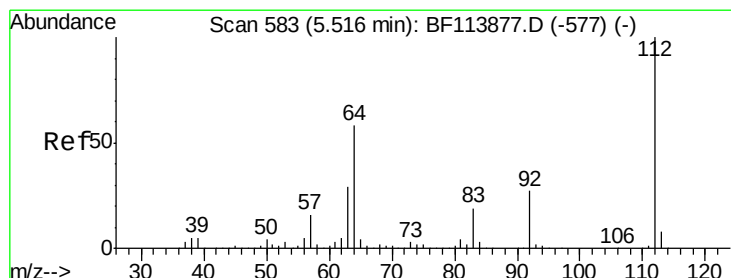
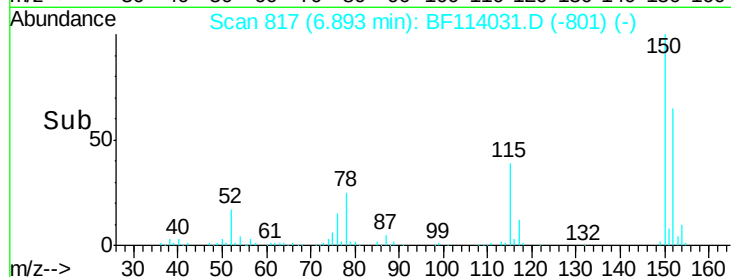
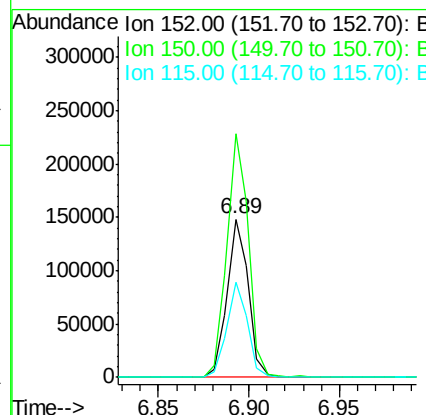
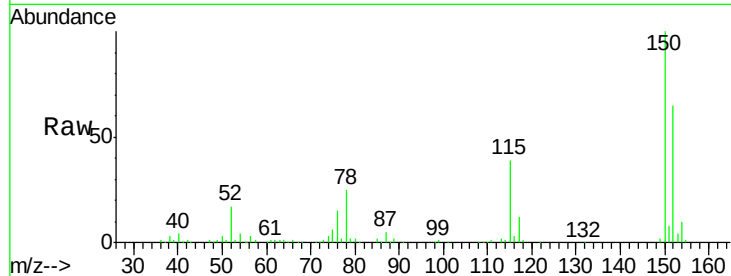
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Instrument :
BNA_F
ClientSampleId :
C-1_042419

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	120301		
150	154.2	125.9	188.9	
115	60.4	45.9	68.9	

Manual Integrations
APPROVED

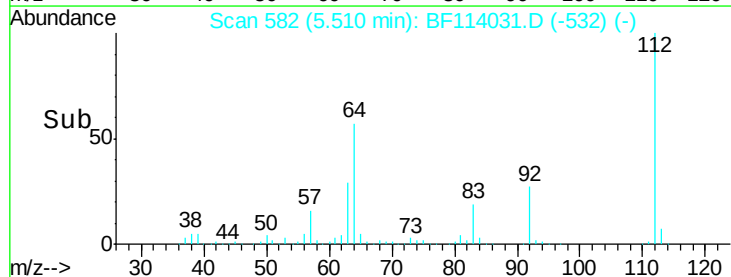
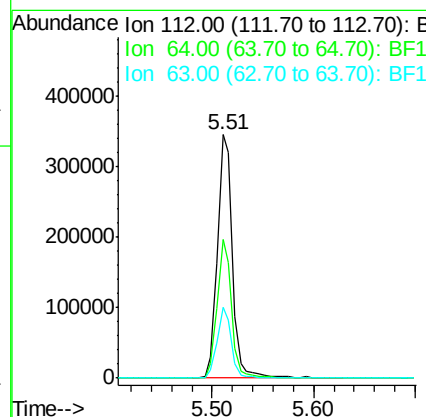
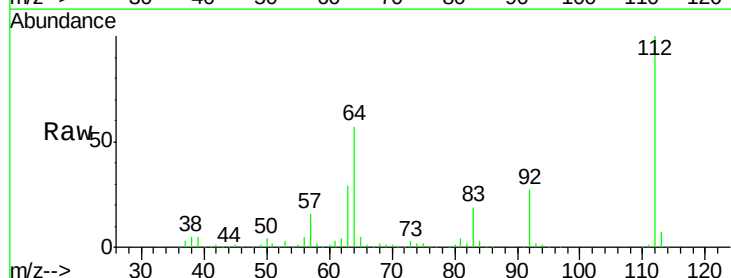
Sohil
4/30/2019 6:42:26 PM

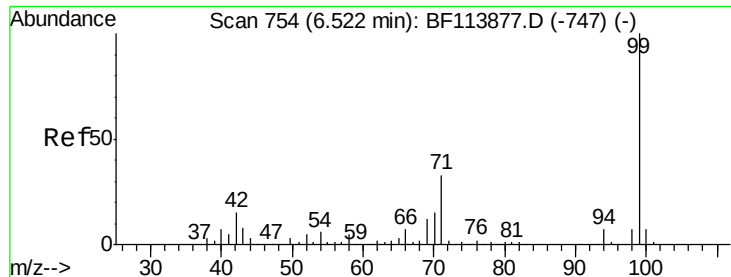


#5

2-Fluorophenol
Concen: 50.865 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	357770		
64	56.8	46.6	69.8	
63	29.0	23.1	34.7	





#7

Phenol-d6

Concen: 51.052 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF114031.D

Acq: 29 Apr 2019 19:02

Instrument :

BNA_F

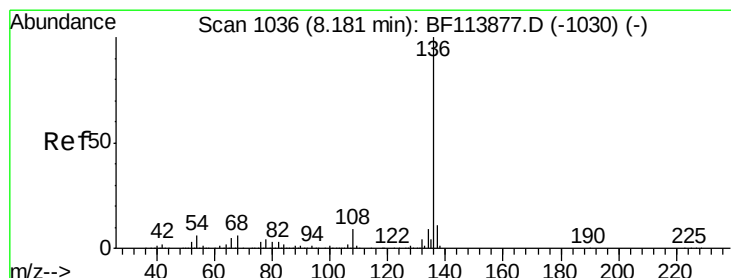
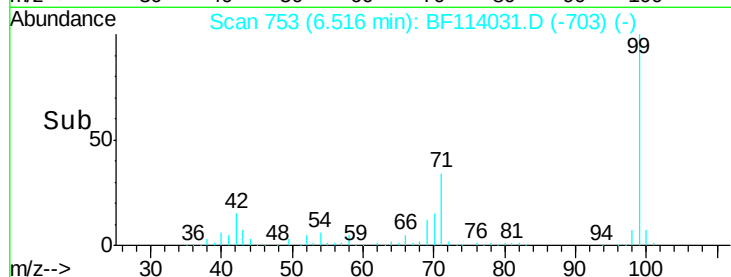
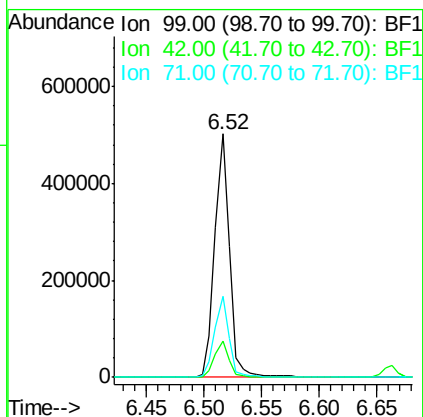
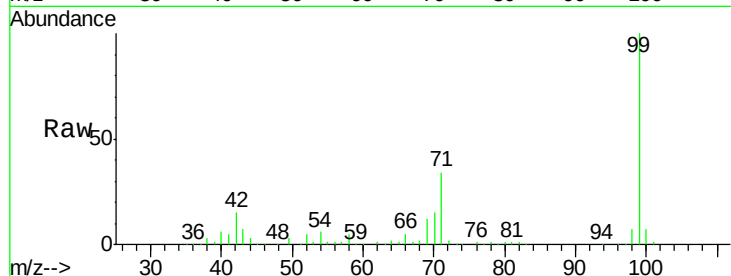
ClientSampleId :

C-1_042419

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		450512		
42	14.7	12.5	18.7		
71	33.6	26.9	40.3		

Manual Integrations
APPROVED

Sohil
4/30/2019 6:42:26 PM



#21

Naphthalene-d8

Concen: 20.000 ng

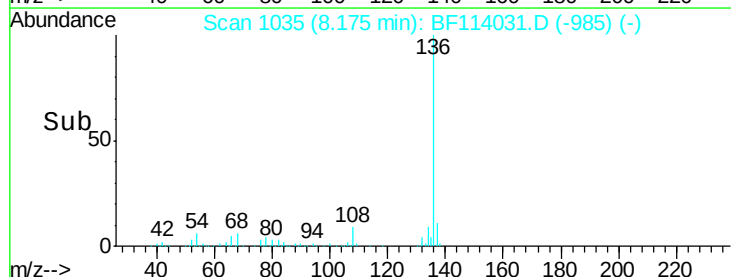
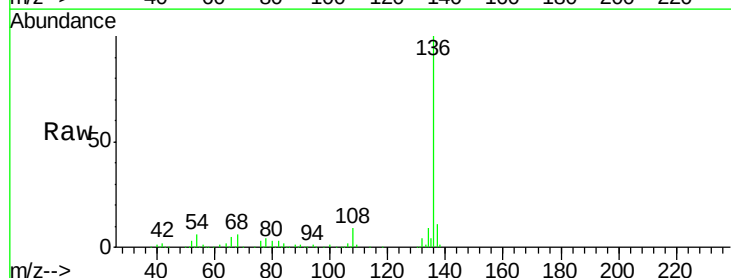
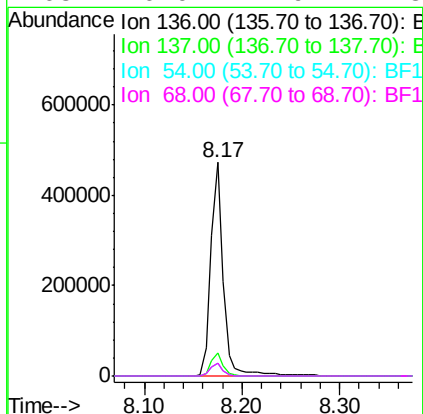
RT: 8.17 min Scan# 1035

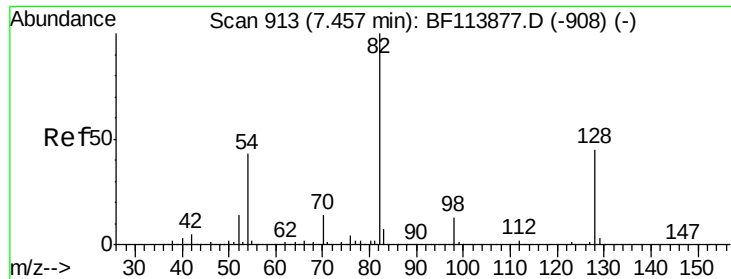
Delta R.T. -0.01 min

Lab File: BF114031.D

Acq: 29 Apr 2019 19:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		424660		
137	10.8	8.6	12.8		
54	6.2	5.0	7.6		
68	6.0	4.9	7.3		





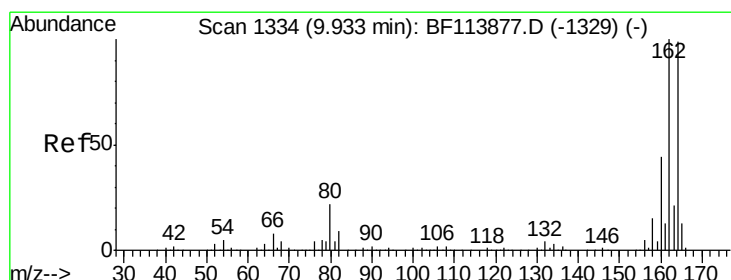
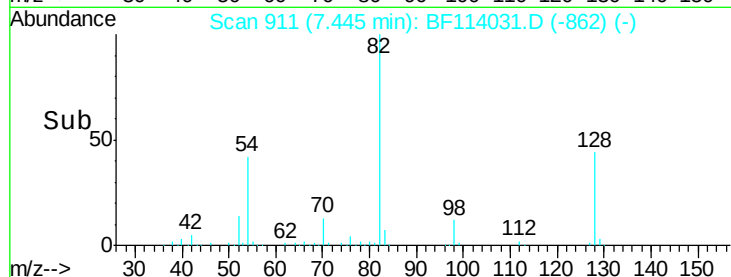
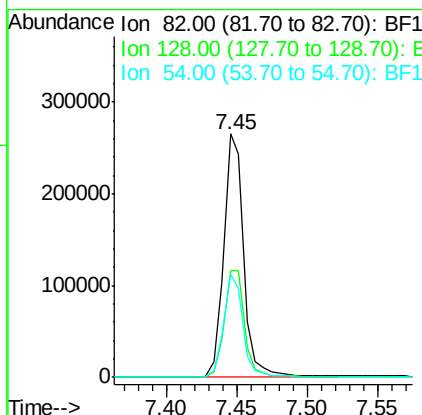
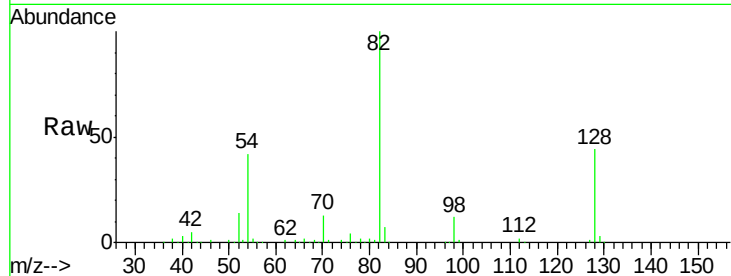
#23
 Nitrobenzene-d5
 Concen: 38.061 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Instrument :
 BNA_F
 ClientSampleId :
 C-1_042419

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	261778		
128	43.8	36.8	55.2	
54	42.5	33.8	50.6	

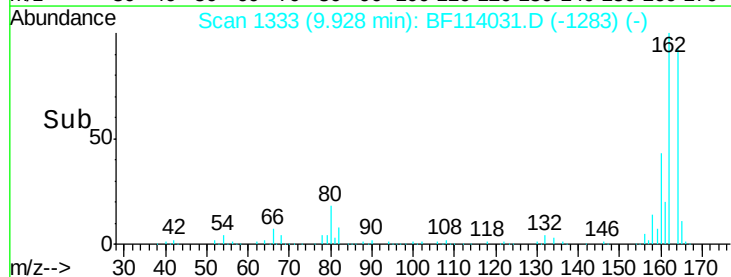
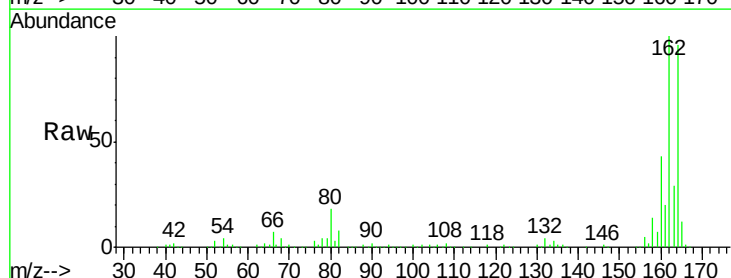
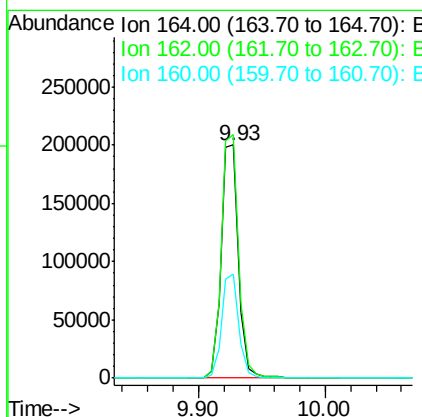
Manual Integrations
 APPROVED

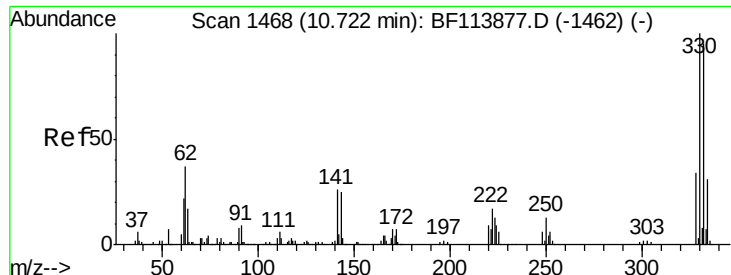
Sohil
 4/30/2019 6:42:26 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191692		
162	104.4	81.1	121.7	
160	44.7	35.8	53.6	





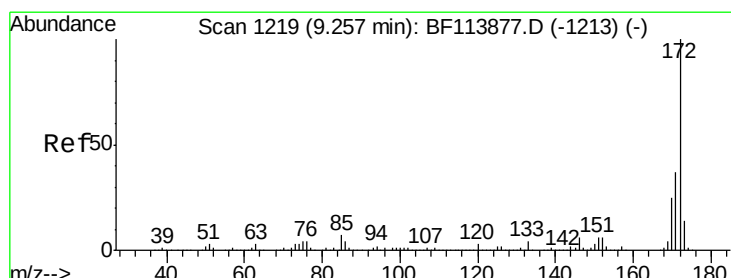
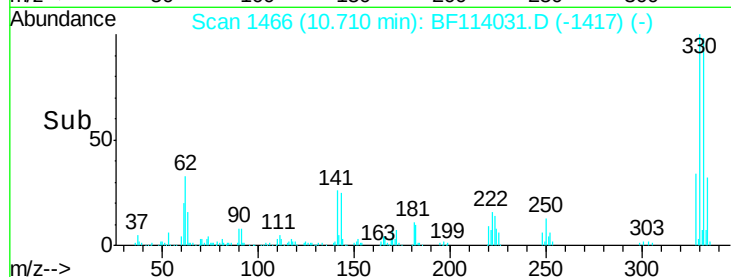
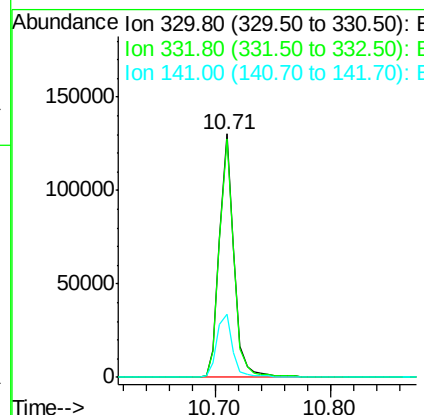
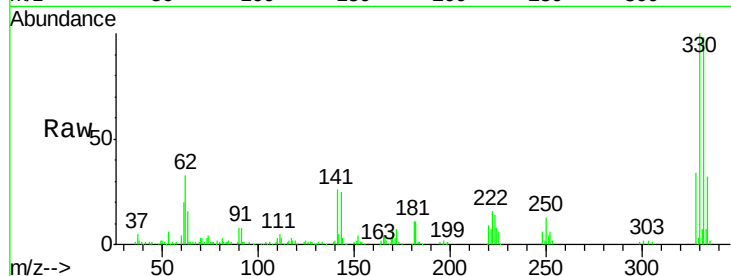
#42
 2,4,6-Tribromophenol
 Concen: 48.831 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Instrument :
 BNA_F
 ClientSampleId :
 C-1_042419

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	114031		
332	98.0	77.5	116.3	
141	28.6	22.2	33.2	

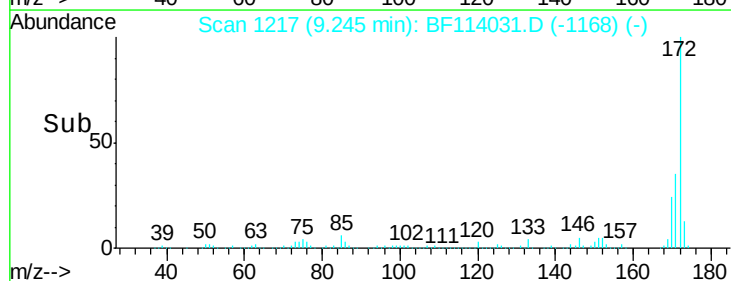
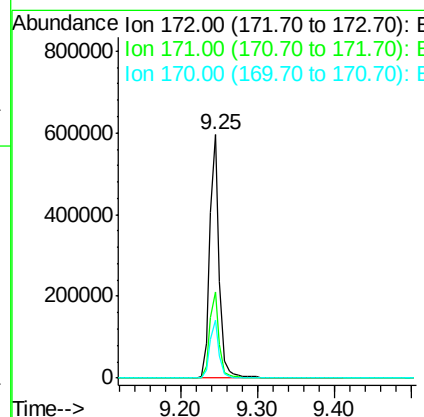
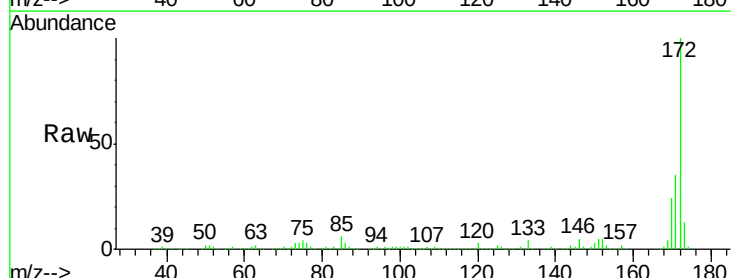
Manual Integrations
 APPROVED

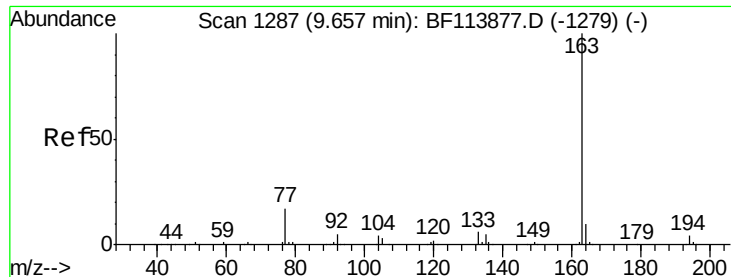
Sohil
 4/30/2019 6:42:26 PM



#45
 2-Fluorobiphenyl
 Concen: 41.422 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	507687		
171	35.3	29.4	44.0	
170	23.6	19.9	29.9	





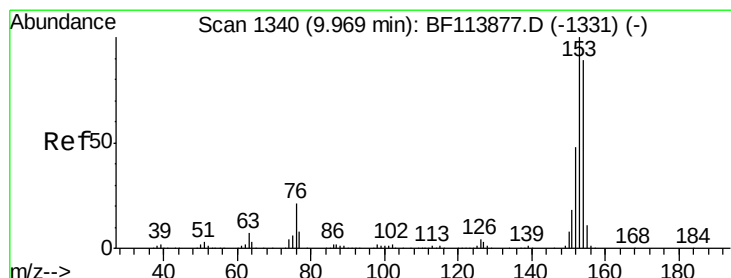
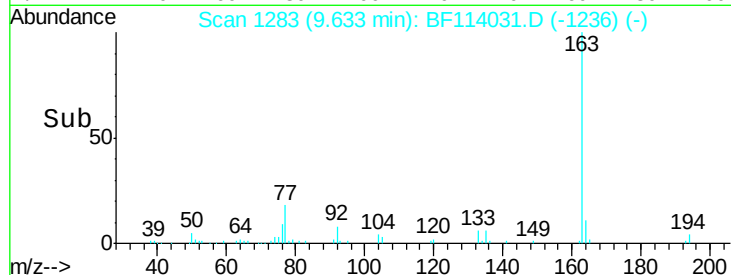
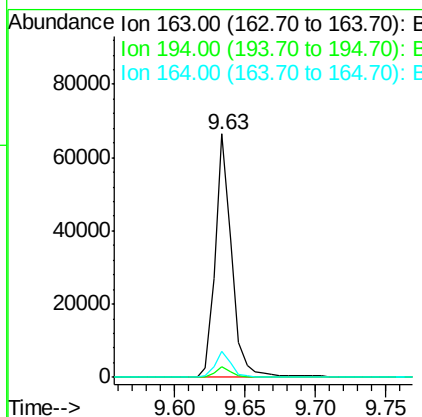
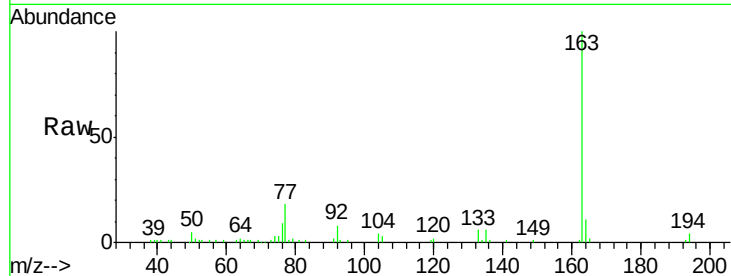
#50
Dimethylphthalate
Concen: 3.876 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Instrument :
BNA_F
ClientSampleId :
C-1_042419

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	53735		
194	4.3		3.4	5.2
164	10.8		8.5	12.7

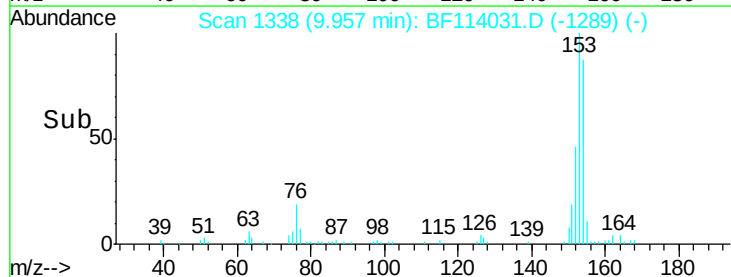
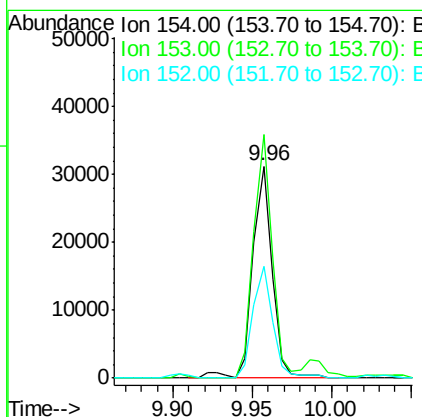
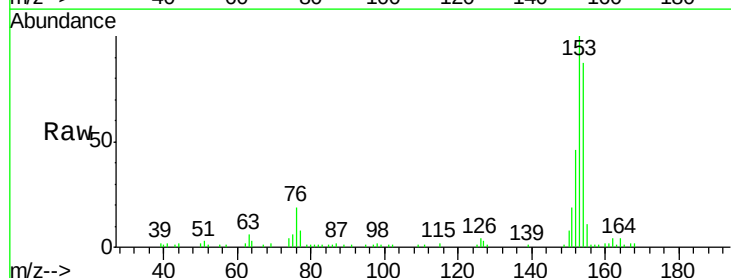
Manual Integrations
APPROVED

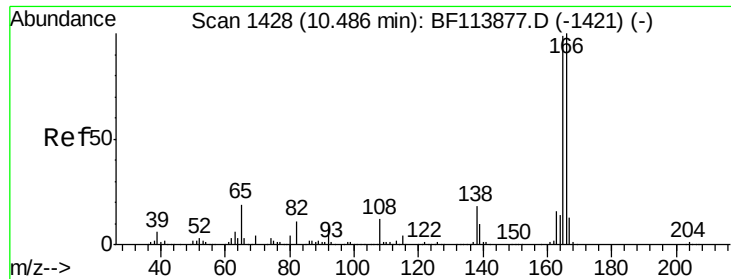
Sohil
4/30/2019 6:42:26 PM



#52
Acenaphthene
Concen: 2.422 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26680		
153	114.8		87.2	130.8
152	52.5		42.3	63.5





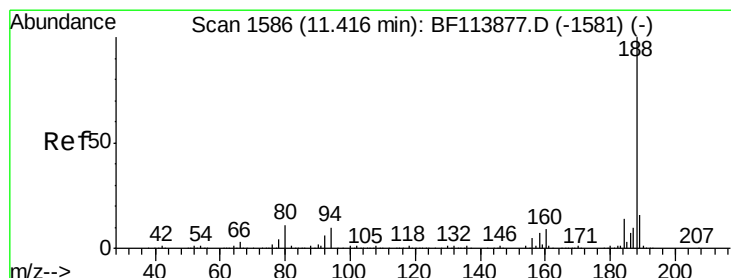
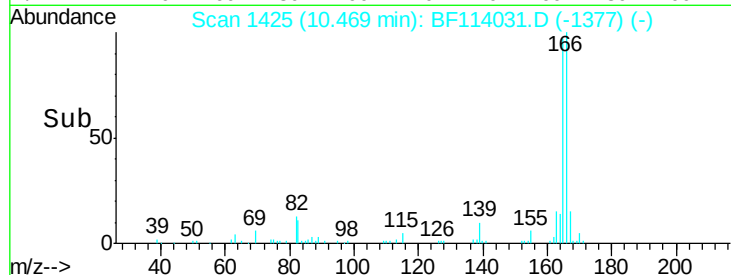
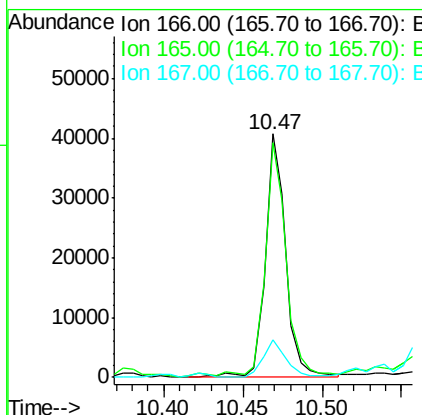
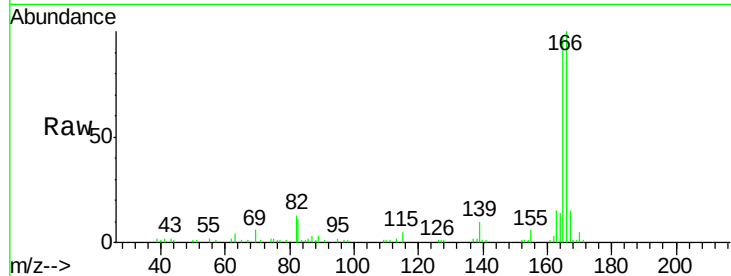
#58
 Fluorene
 Concen: 2.958 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Instrument :
 BNA_F
 ClientSampled :
 C-1_042419

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.4	117.6
167	15.4	10.9	16.3

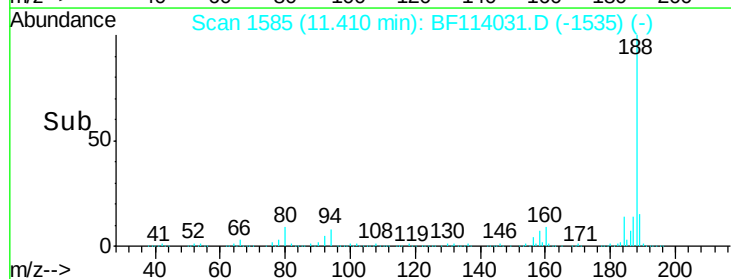
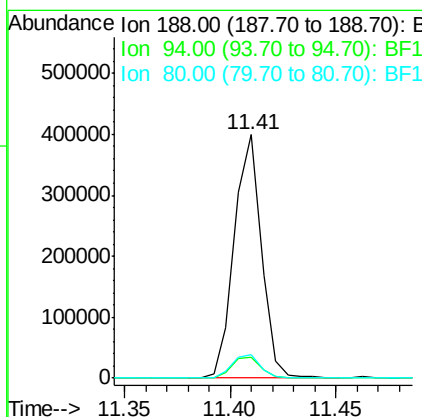
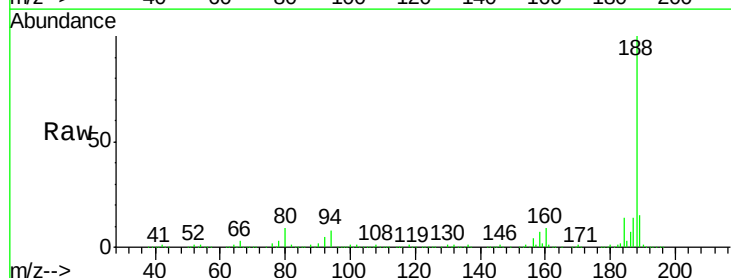
Manual Integrations
 APPROVED

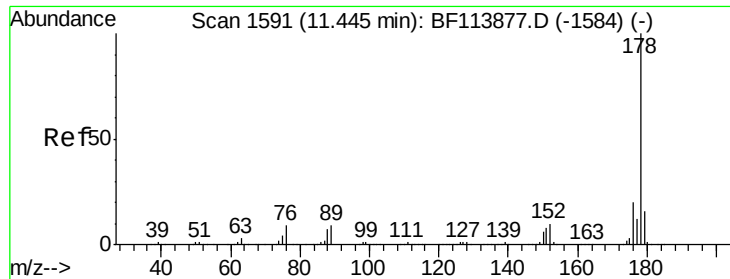
Sohil
 4/30/2019 6:42:26 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.4
80	9.4	9.0	13.6





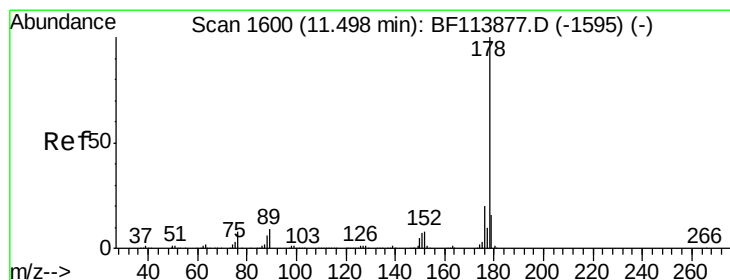
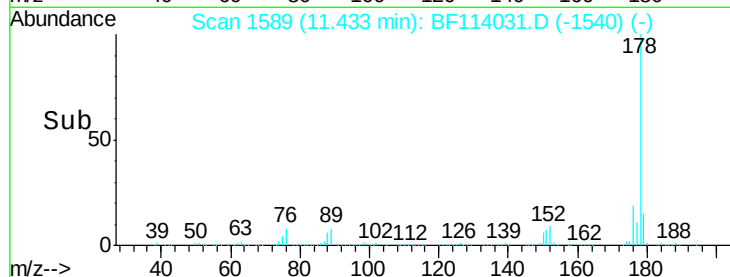
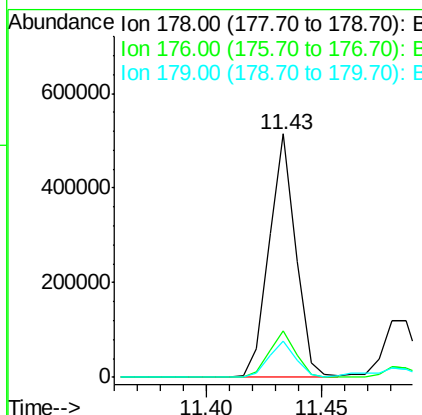
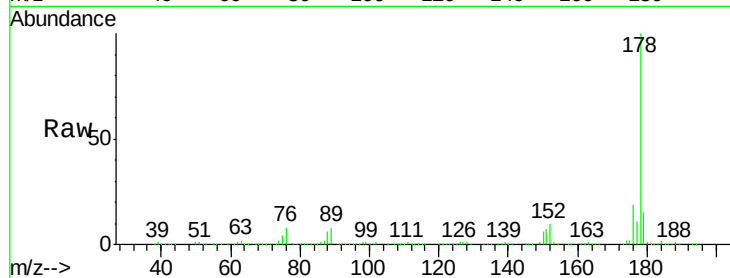
#71
Phenanthrene
Concen: 23.262 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Instrument :
BNA_F
ClientSampleId :
C-1_042419

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	15.1	12.8	19.2

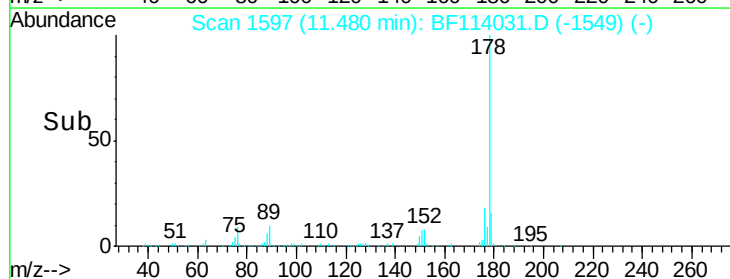
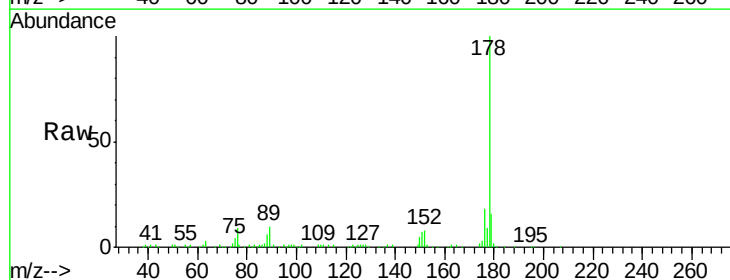
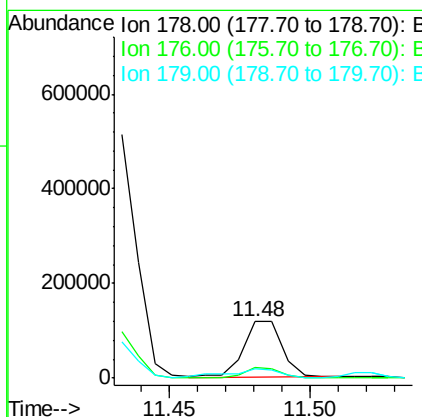
Manual Integrations
APPROVED

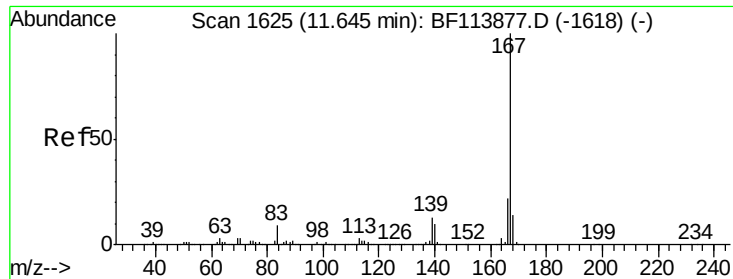
Sohil
4/30/2019 6:42:26 PM



#72
Anthracene
Concen: 6.238 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.7	23.5
179	15.6	13.0	19.4





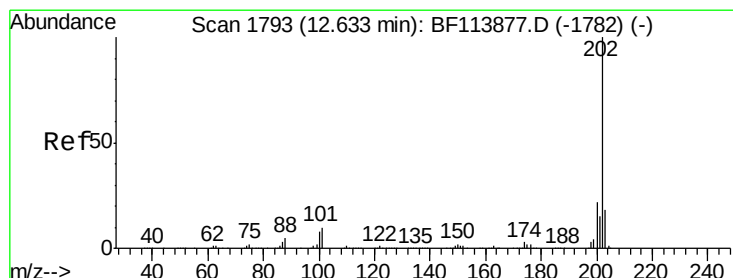
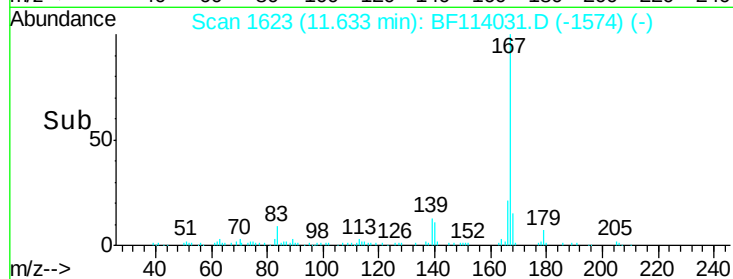
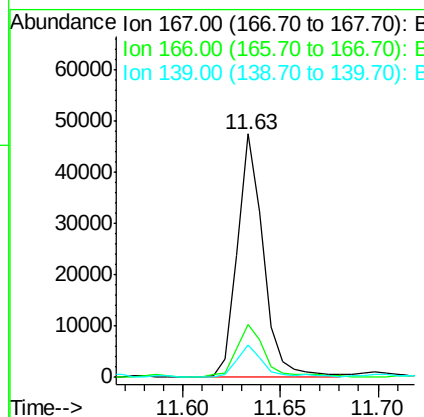
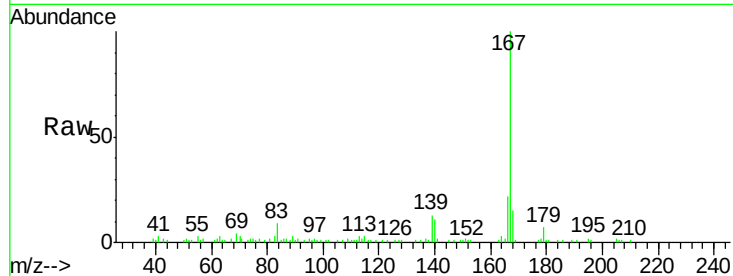
#73
 Carbazole
 Concen: 2.755 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Instrument :
 BNA_F
 ClientSampleId :
 C-1_042419

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.7	26.5
139	13.5	10.0	15.0

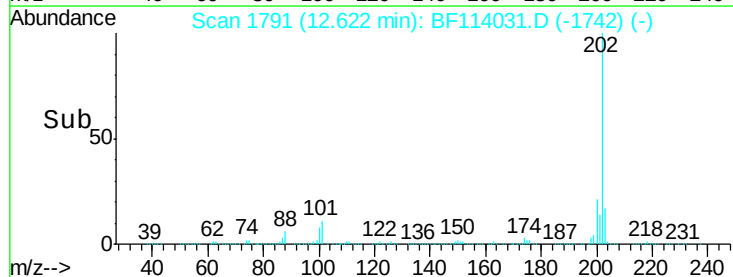
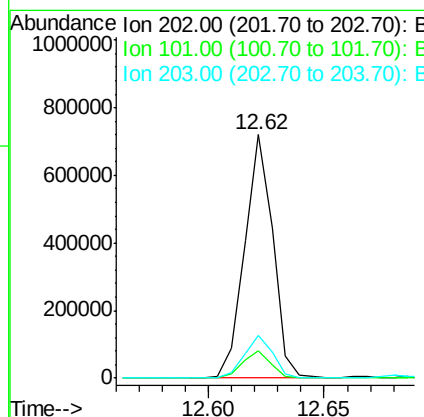
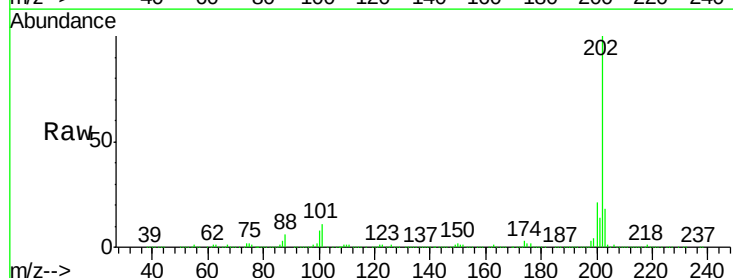
Manual Integrations
 APPROVED

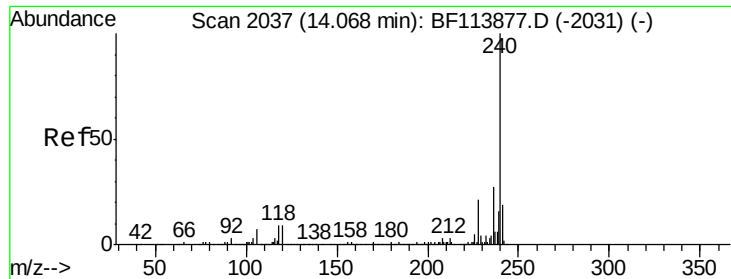
Sohil
 4/30/2019 6:42:26 PM



#75
 Fluoranthene
 Concen: 31.659 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.9
203	17.5	0.0	38.2





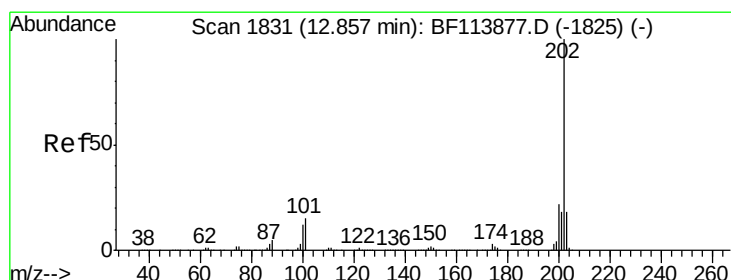
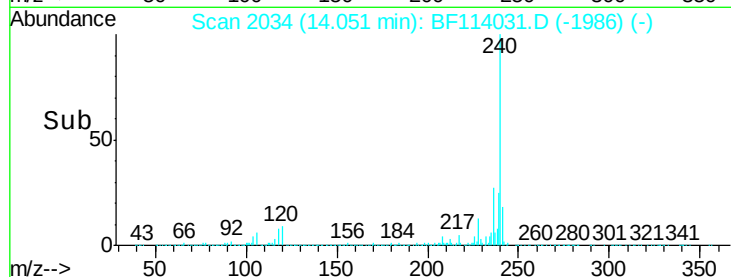
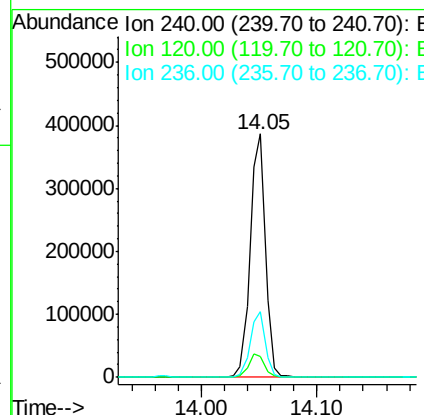
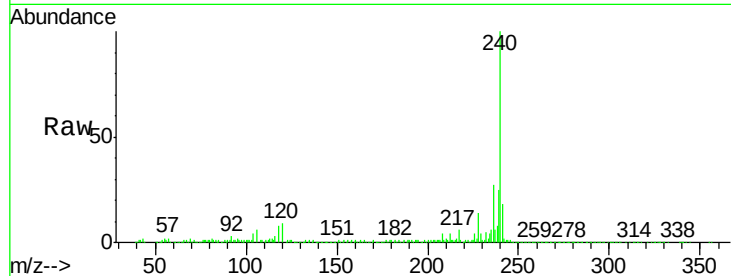
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Instrument :
BNA_F
ClientSampleId :
C-1_042419

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	350946		
120	8.8	9.3	13.9#	
236	27.0	21.2	31.8	

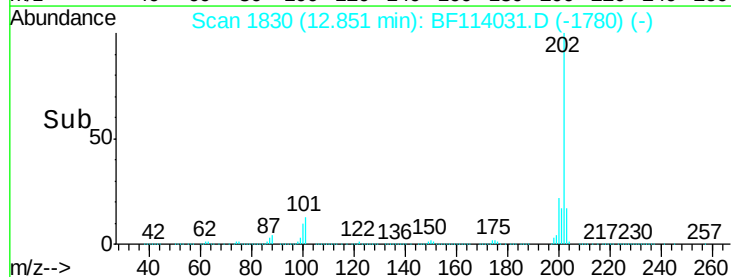
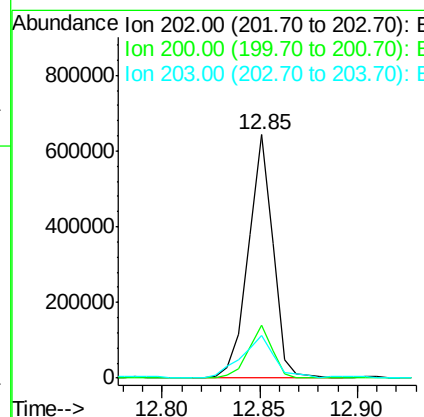
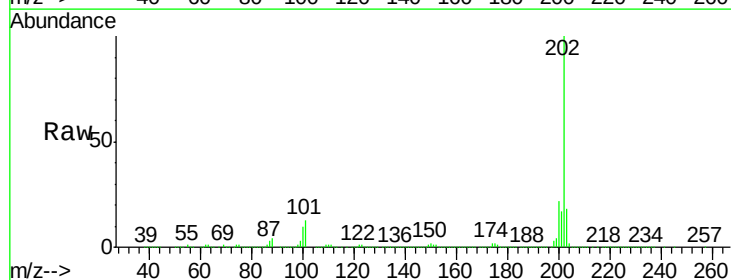
Manual Integrations
APPROVED

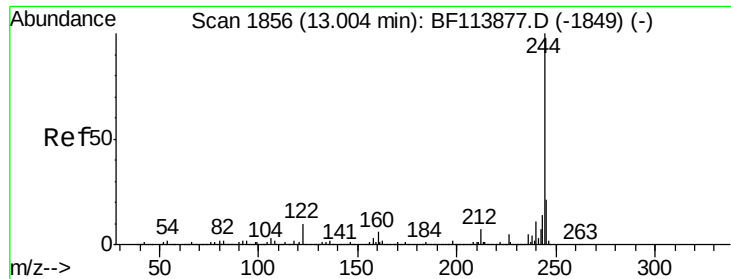
Sohil
4/30/2019 6:42:26 PM



#78
Pyrene
Concen: 22.985 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	564100		
200	21.7	17.7	26.5	
203	17.7	15.0	22.6	





#79

Terphenyl-d14

Concen: 31.849 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF114031.D

Acq: 29 Apr 2019 19:02

Instrument :

BNA_F

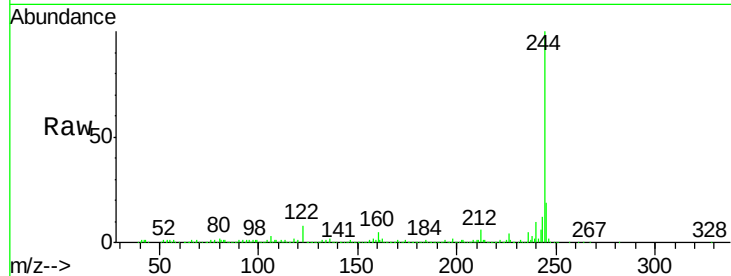
ClientSampleId :

C-1_042419

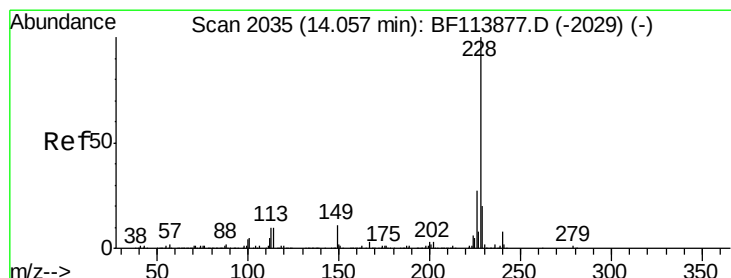
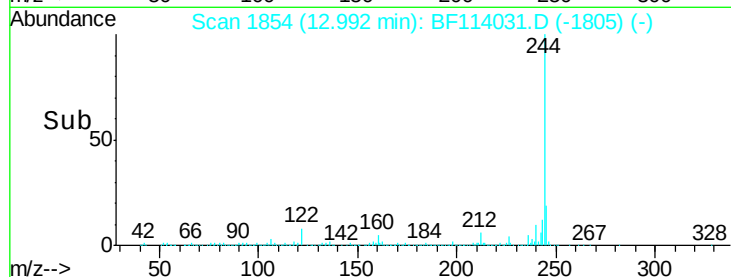
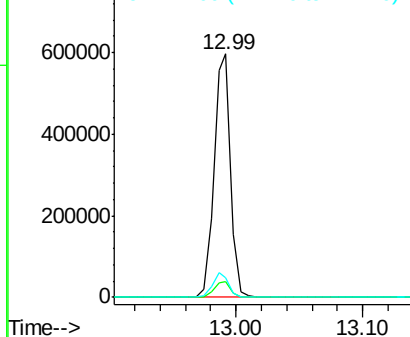
Tgt Ion:	244	Resp:	545197
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.2
122	7.9	7.6	11.4

Manual Integrations
APPROVED

Sohil
4/30/2019 6:42:26 PM



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



#81

Benzo(a)anthracene

Concen: 16.973 ng

RT: 14.04 min Scan# 2032

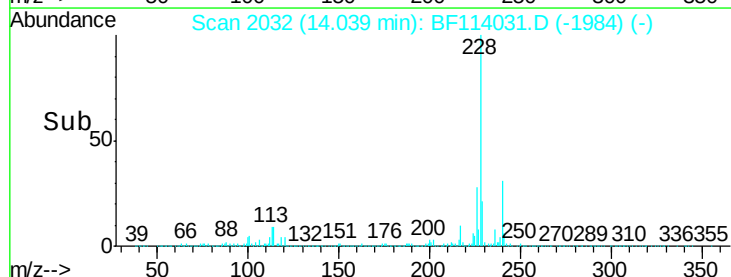
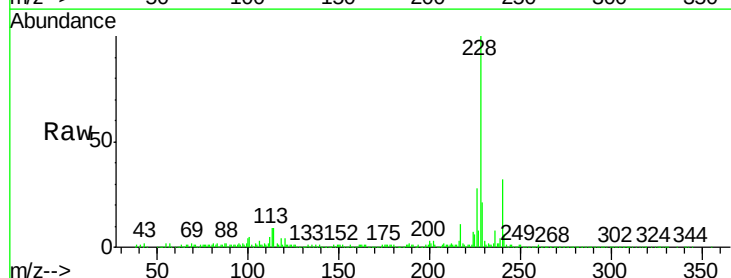
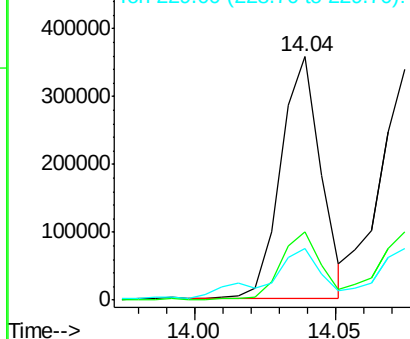
Delta R.T. -0.02 min

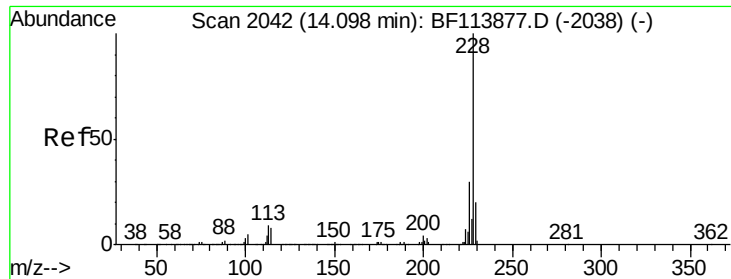
Lab File: BF114031.D

Acq: 29 Apr 2019 19:02

Tgt Ion:	228	Resp:	350943
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.2	33.2
229	21.1	16.0	24.0

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





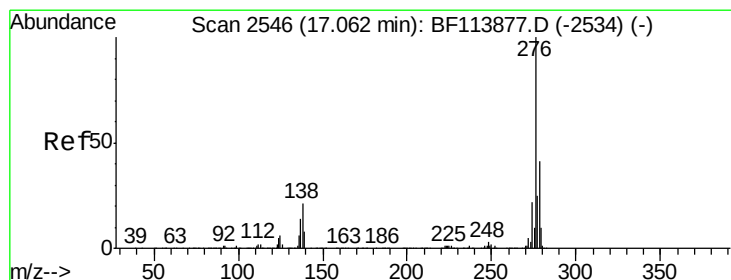
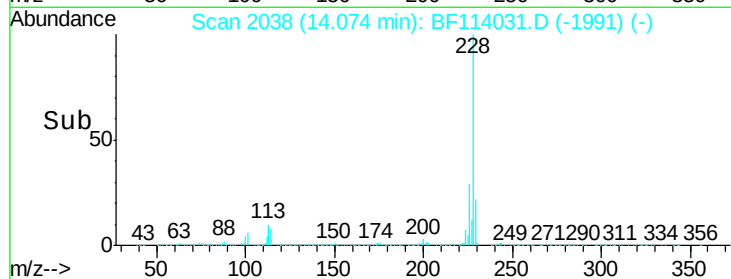
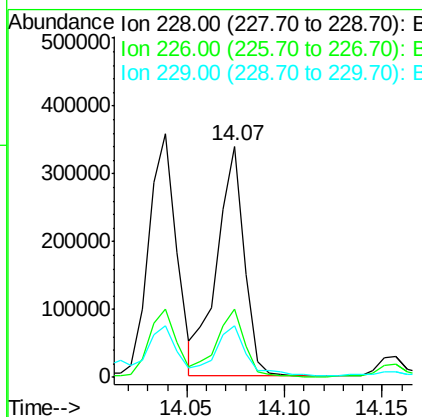
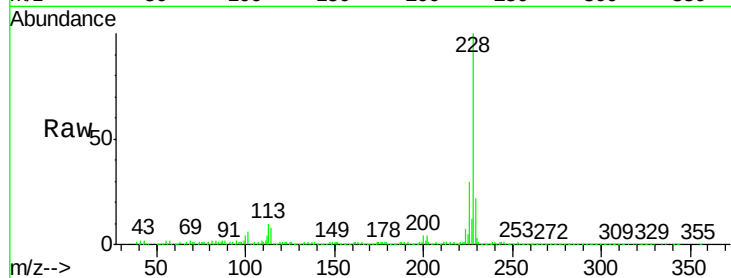
#83
Chrysene
Concen: 16.437 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Instrument :
BNA_F
ClientSampleId :
C-1_042419

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	330995		
226	29.5	25.2	37.8	
229	22.2	16.7	25.1	

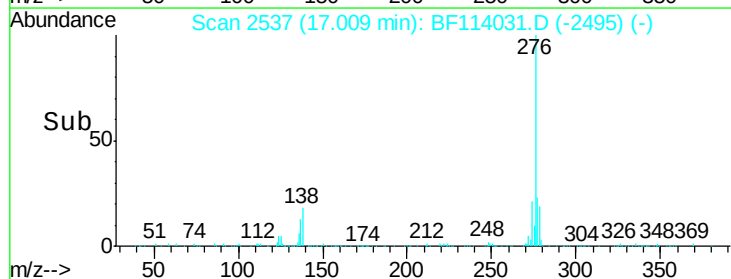
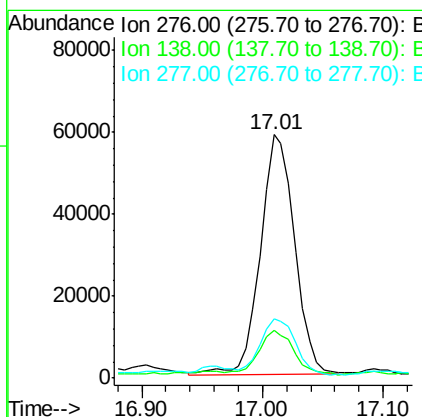
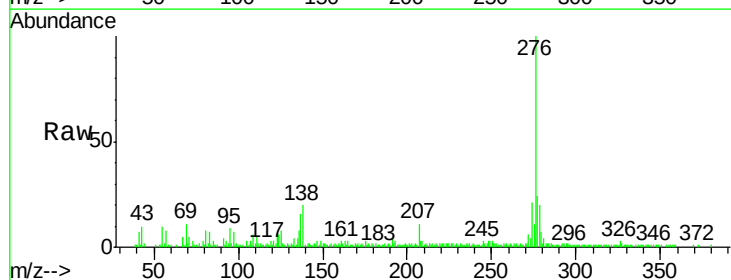
Manual Integrations
APPROVED

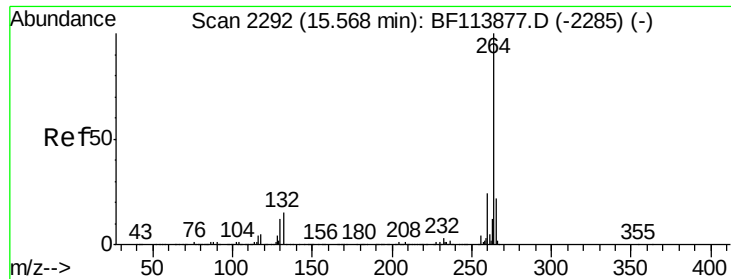
Sohil
4/30/2019 6:42:26 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.019 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.05 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	114802		
138	20.1	19.6	29.4	
277	23.7	20.2	30.4	





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.04 min

Lab File: BF114031.D

Acq: 29 Apr 2019 19:02

Instrument :

BNA_F

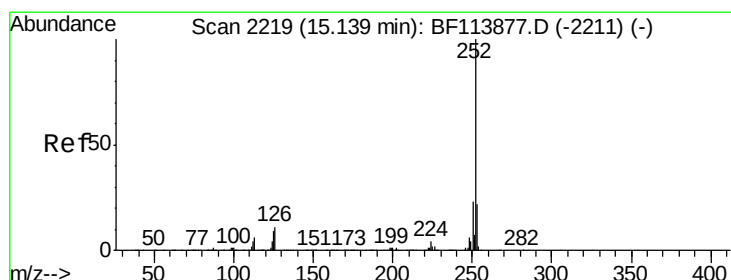
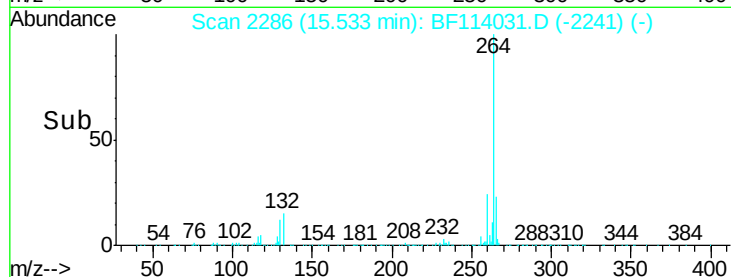
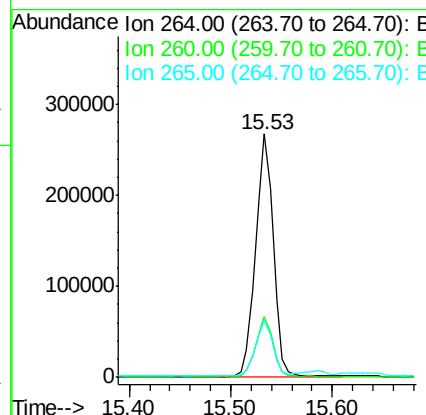
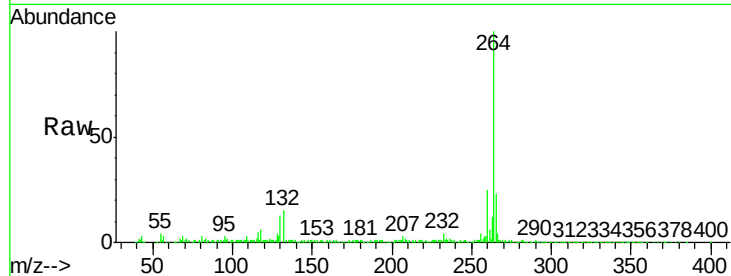
ClientSampleId :

C-1_042419

Tgt Ion:	264	Resp:	324380
Ion Ratio		Lower	Upper
264	100		
260	24.7	18.9	28.3
265	23.1	17.3	25.9

Manual Integrations
APPROVED

Sohil
4/30/2019 6:42:26 PM



#88

Benzo(b)fluoranthene

Concen: 17.242 ng m

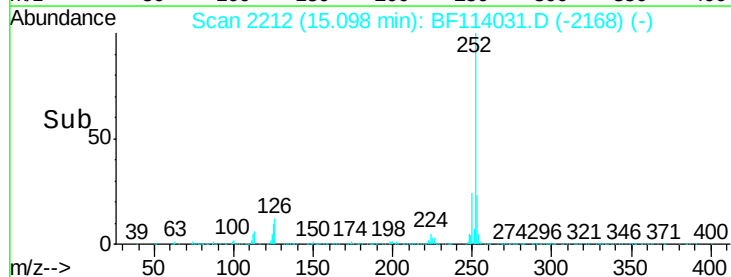
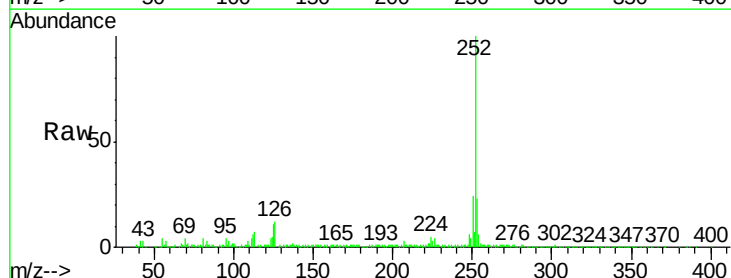
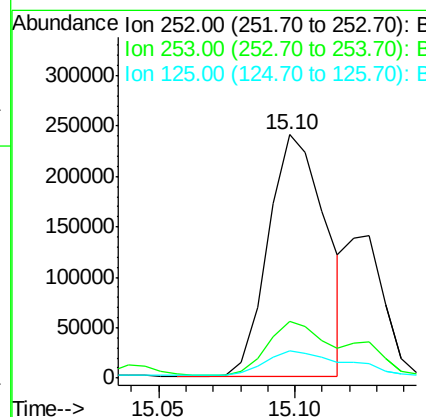
RT: 15.10 min Scan# 2212

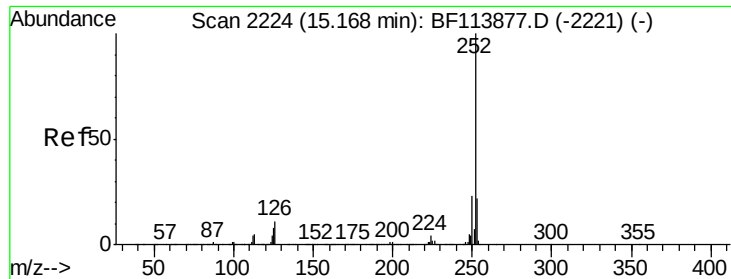
Delta R.T. -0.04 min

Lab File: BF114031.D

Acq: 29 Apr 2019 19:02

Tgt Ion:	252	Resp:	353870
Ion Ratio		Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.0	7.0	10.6





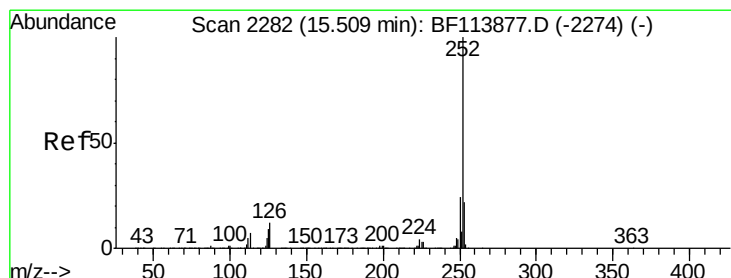
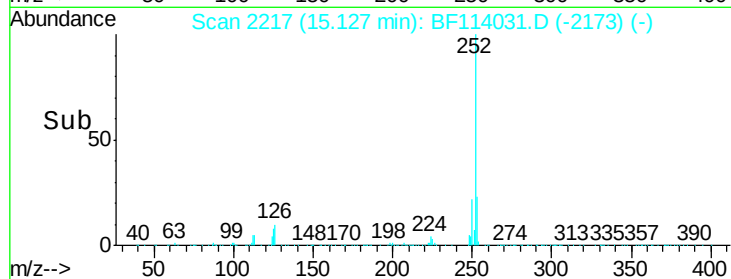
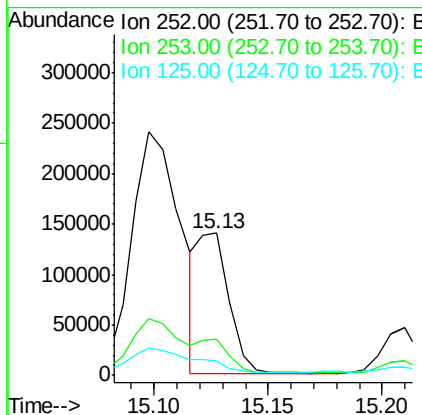
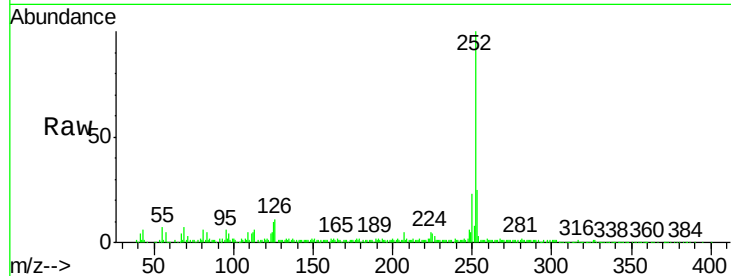
#89
Benzo(k)fluoranthene
Concen: 7.410 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Instrument :
BNA_F
ClientSampleId :
C-1_042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	9.9	7.4	11.2

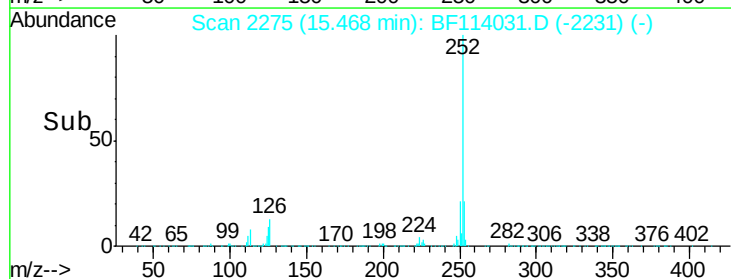
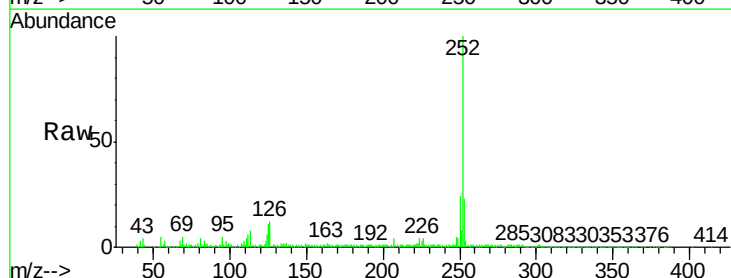
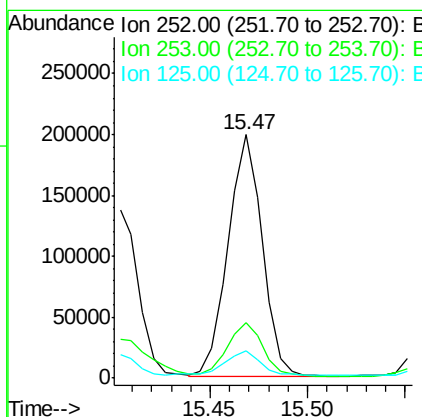
Manual Integrations
APPROVED

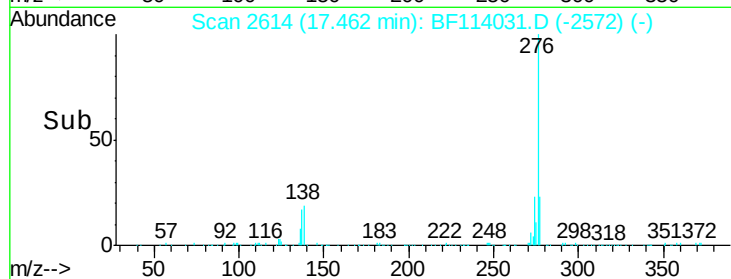
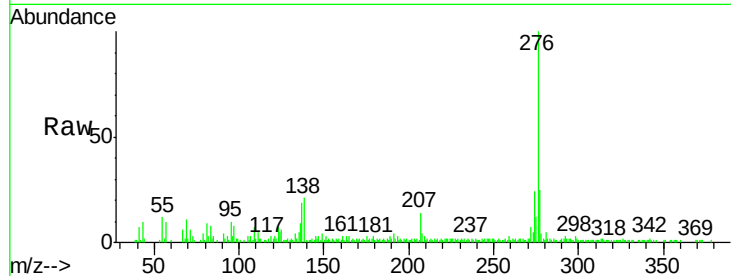
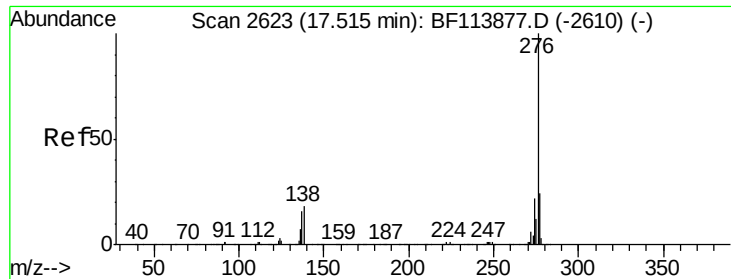
Sohil
4/30/2019 6:42:26 PM



#90
Benzo(a)pyrene
Concen: 13.606 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114031.D
Acq: 29 Apr 2019 19:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.1	8.5	12.7





#92
 Benzo(g,h,i)perylene
 Concen: 5.863 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. -0.05 min
 Lab File: BF114031.D
 Acq: 29 Apr 2019 19:02

Instrument :
 BNA_F
 ClientSampleId :
 C-1_042419

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	20.9	16.6	25.0

Manual Integrations
 APPROVED

Sohil
 4/30/2019 6:42:26 PM

