

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099996.D
 Acq On : 31 Oct 2017 10:01
 Operator : SJ/JU
 Sample : I6201-05
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-1C(1-2)

Manual Integrations
 APPROVED

Sohil
 10/31/2017 7:41:29 PM

Quant Time: Oct 31 11:39:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	101518	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	423088	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	195733	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	333485	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	200700	20.00	ng	0.00
86) Perylene-d12	15.50	264	184001	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	597033	92.33	ng	0.00
7) Phenol-d6	6.43	99	728216	94.98	ng	0.00
23) Nitrobenzene-d5	7.36	82	406498	61.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	159208	89.25	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	771082	60.78	ng	-0.01
78) Terphenyl-d14	12.91	244	602316	65.58	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	41810	4.967	ng	95
49) Dimethylphthalate	9.54	163	136663	8.817	ng	100
70) Phenanthrene	11.35	178	269679	14.329	ng	98
71) Anthracene	11.40	178	58567	3.066	ng	96
72) Carbazole	11.56	167	40841	2.273	ng	99
74) Fluoranthene	12.54	202	332480	16.999	ng	99
77) Pyrene	12.77	202	261176	17.114	ng	97
80) Benzo(a)anthracene	13.97	228	116345	9.144	ng	98
82) Chrysene	14.02	228	103701	8.670	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	61684	5.617	ng	96
87) Benzo(b)fluoranthene	15.07	252	126042m	10.848	ng	
88) Benzo(k)fluoranthene	15.10	252	41915m	3.826	ng	
89) Benzo(a)pyrene	15.44	252	88112	8.442	ng	# 94
91) Benzo(a,h,i)perylene	17.46	276	55134	6.077	ng	# 91

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

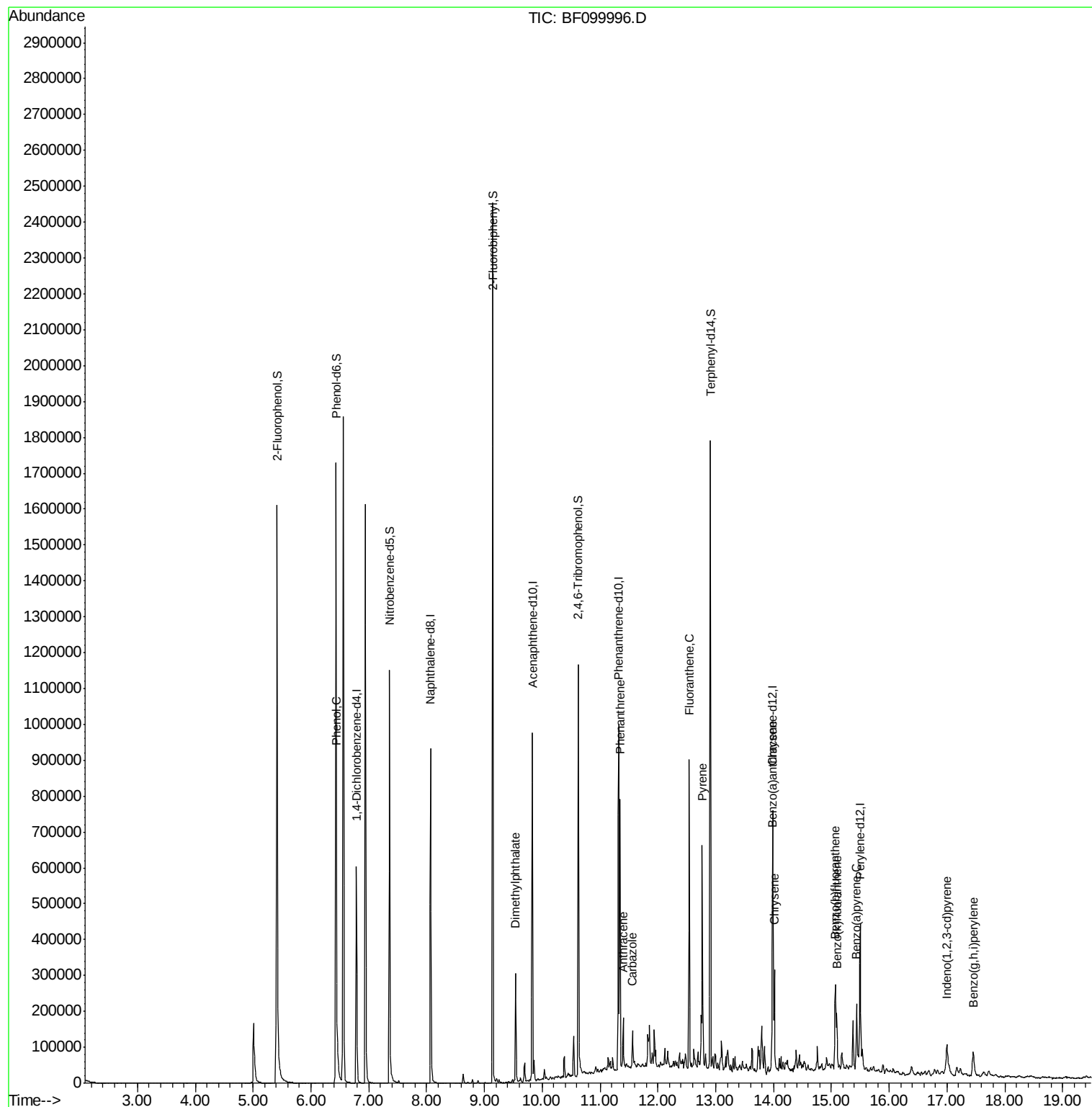
Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
Data File : BF099996.D
Acq On : 31 Oct 2017 10:01
Operator : SJ/JU
Sample : I6201-05
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM

Quant Time: Oct 31 11:39:12 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 2017
Response via : Initial Calibration





#1

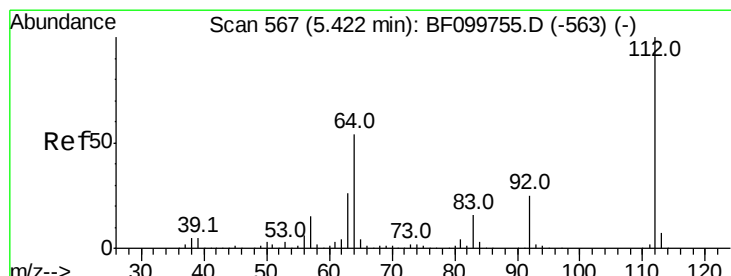
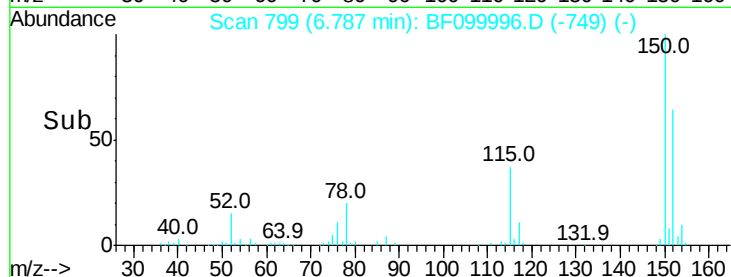
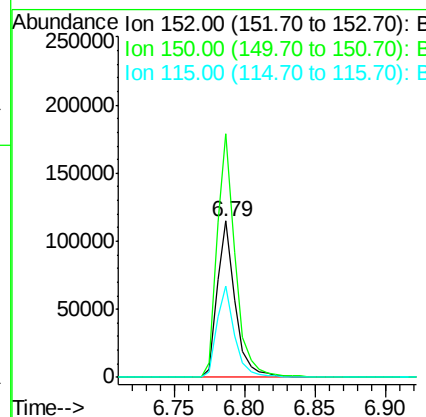
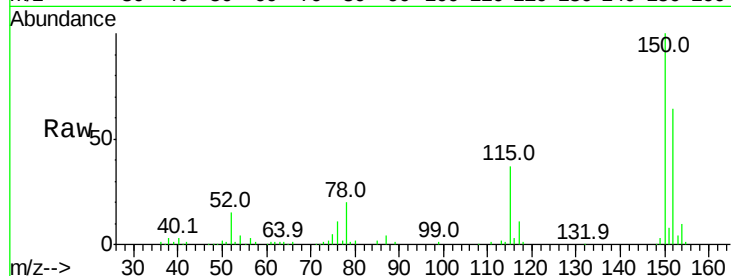
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	58.4	50.1	75.1

Manual Integrations
APPROVED

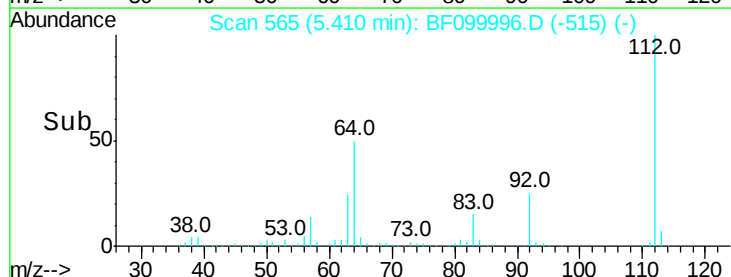
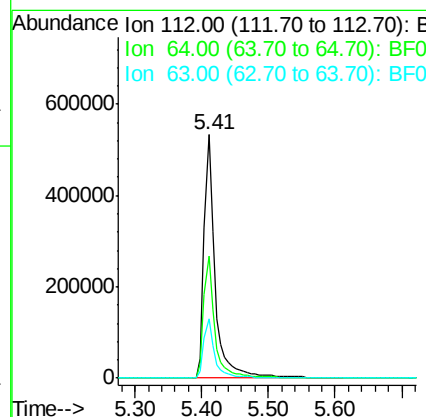
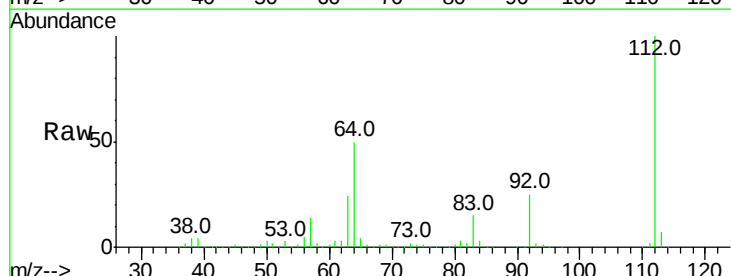
Sohil
10/31/2017 7:41:29 PM



#5

2-Fluorophenol
Concen: 92.331 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.2	47.9	71.9
63	24.2	23.7	35.5





#7

Phenol-d6

Concen: 94.979 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Instrument :

BNA_F

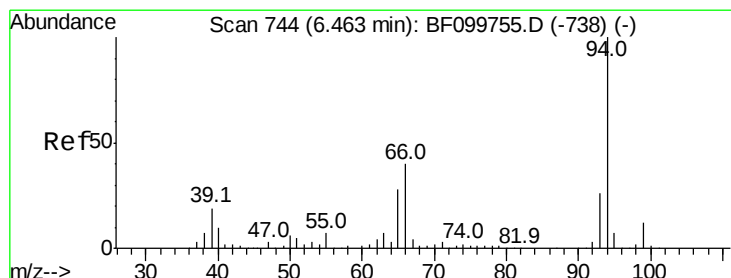
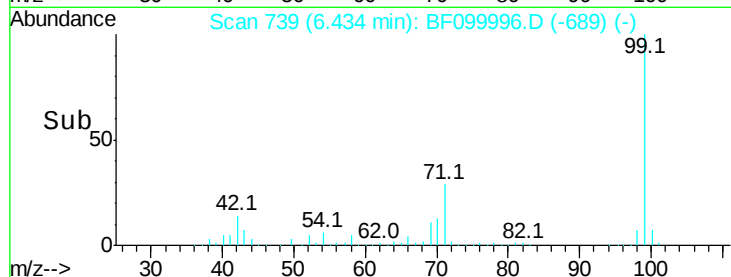
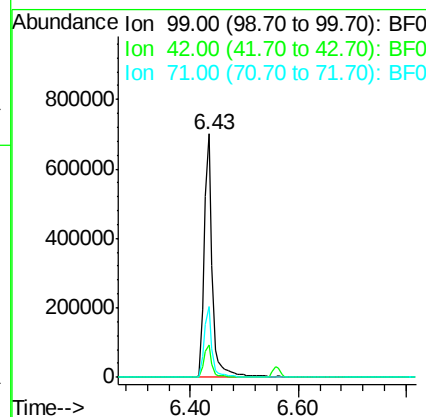
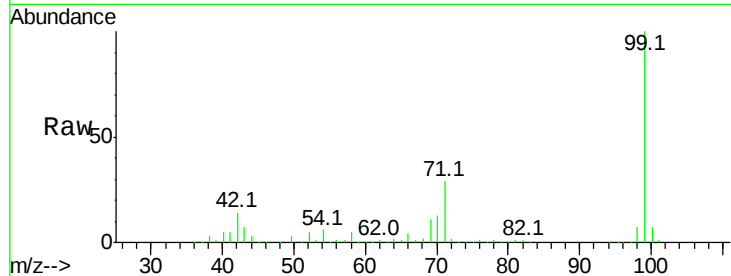
ClientSampleId :

CF-1C(1-2)

Tot Ion:	99	Resp:	728216
Ion Ratio	Lower	Upper	
99	100		
42	13.5	14.5	21.7#
71	29.3	25.4	38.0

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM



#10

Phenol

Concen: 4.967 ng

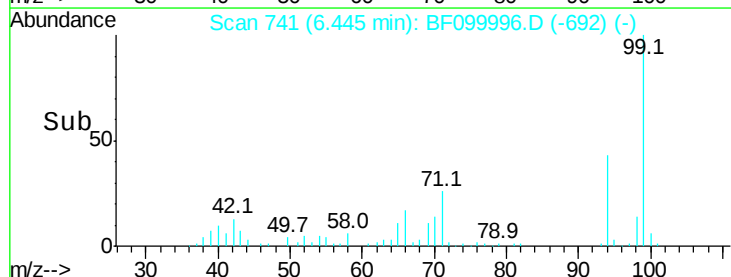
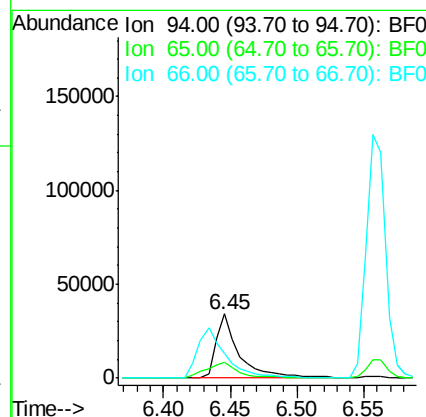
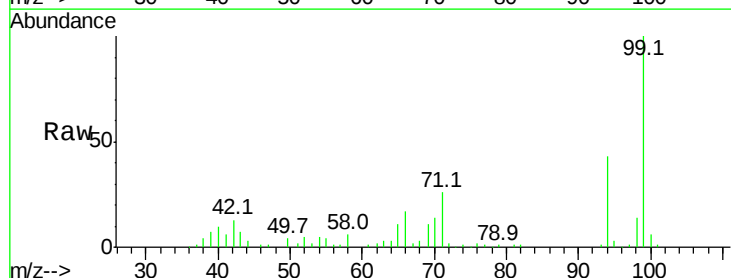
RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Tgt Ion:	94	Resp:	41810
Ion Ratio	Lower	Upper	
94	100		
65	24.9	7.9	47.9
66	38.7	16.2	56.2





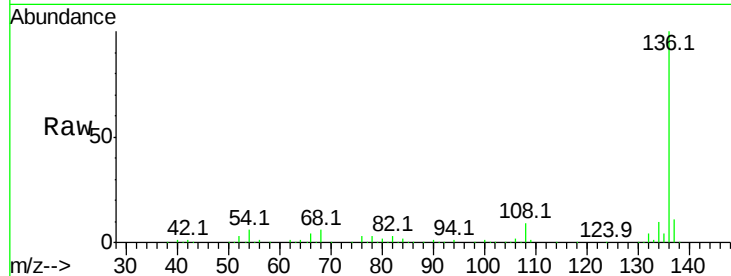
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

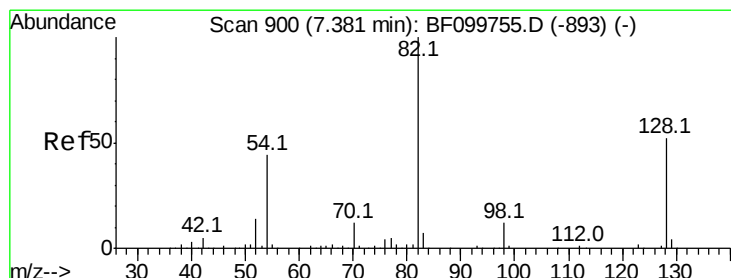
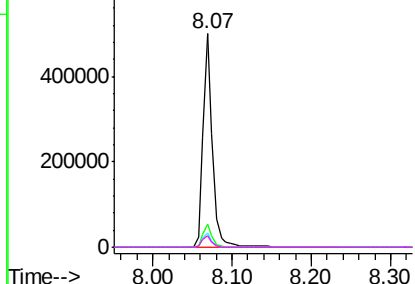
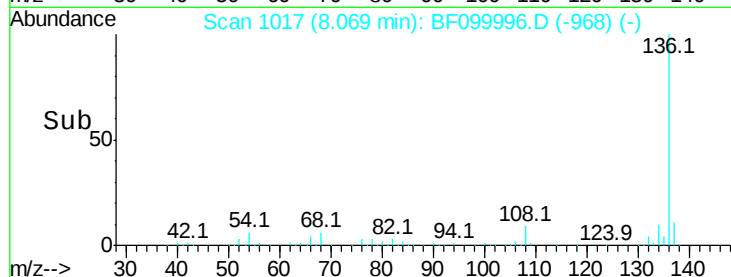
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.9	13.3	
54	6.4	6.6	9.8	
68	5.6	5.0	7.4	

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM

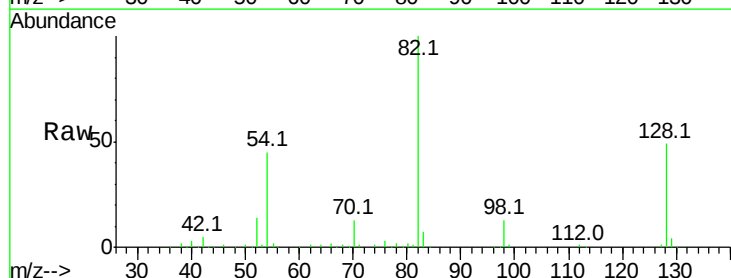


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

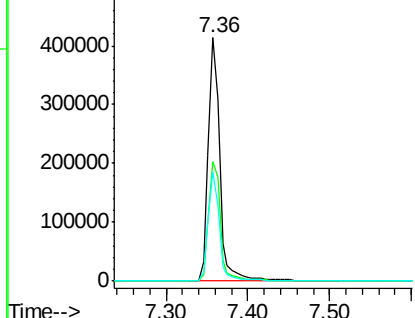
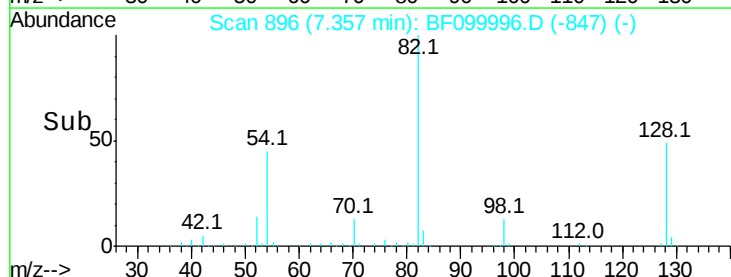


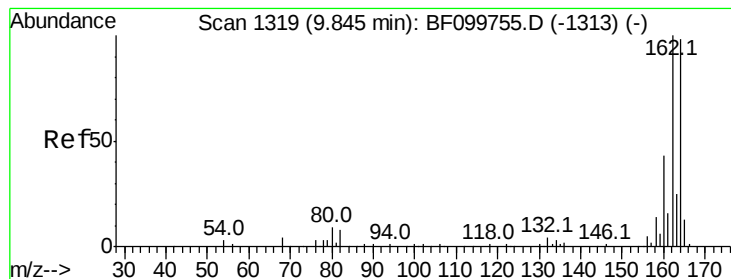
#23
Nitrobenzene-d5
Concen: 61.856 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.9	36.1	54.1	
54	45.0	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Instrument :

BNA_F

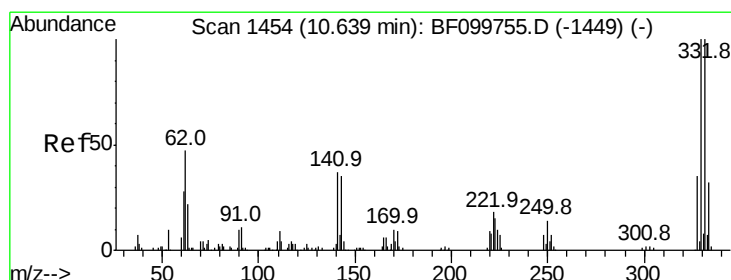
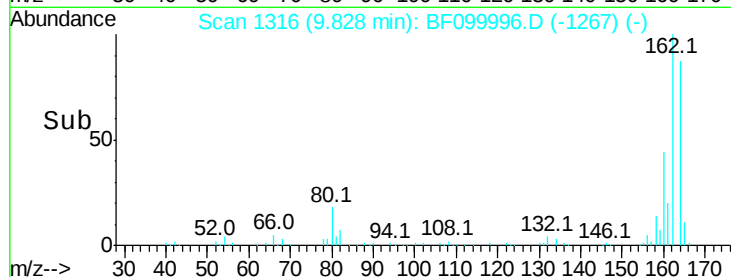
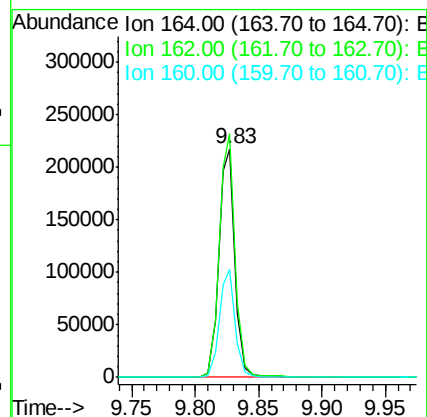
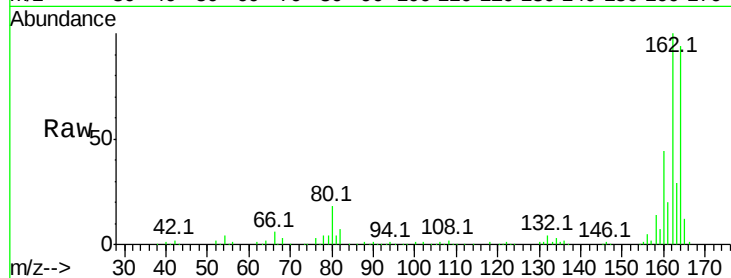
ClientSampleId :

CF-1C(1-2)

Tot Ion:	164	Resp:	195733
Ion Ratio	Lower	Upper	
164	100		
162	106.4	86.1	129.1
160	47.0	38.3	57.5

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM



#41

2,4,6-Tribromophenol

Concen: 89.255 ng

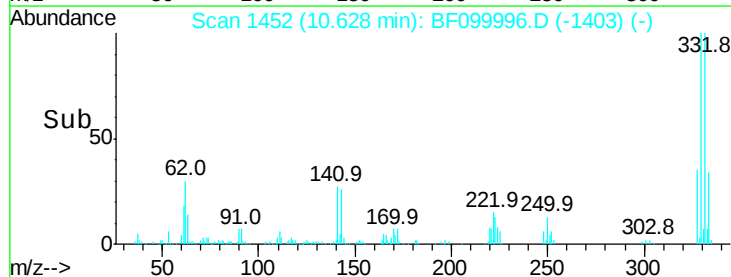
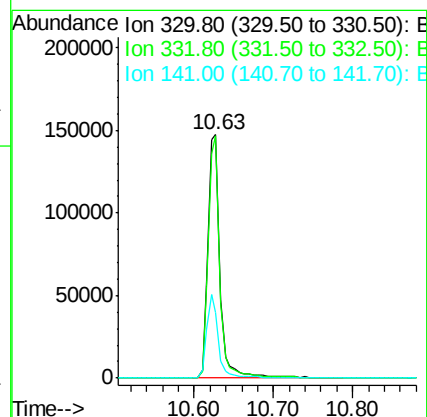
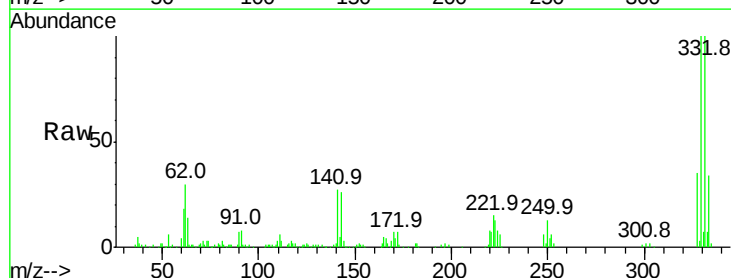
RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Tgt Ion:	330	Resp:	159208
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.0	115.6
141	33.9	29.9	44.9





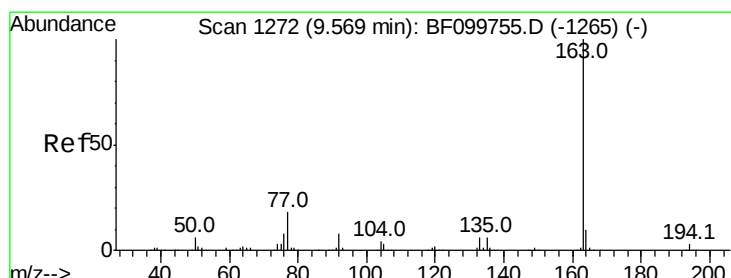
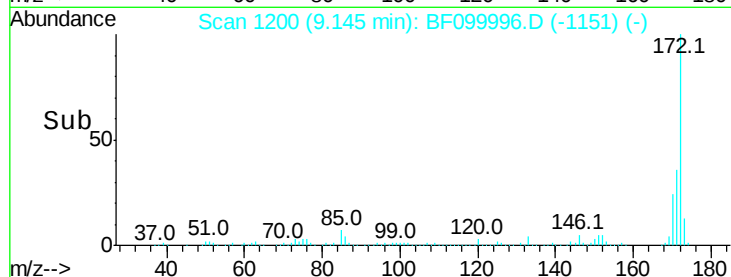
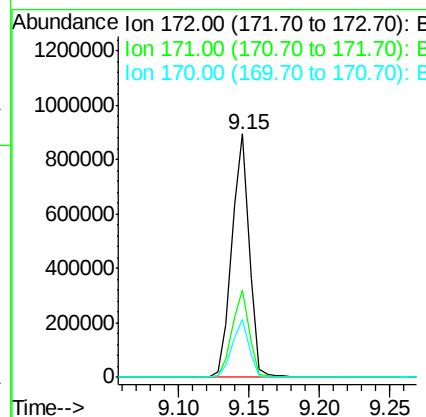
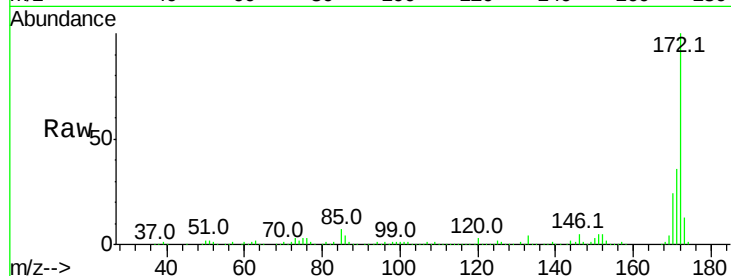
#44
2-Fluorobiphenyl
Concen: 60.780 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4

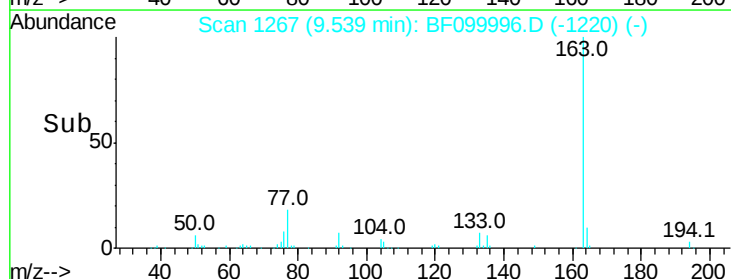
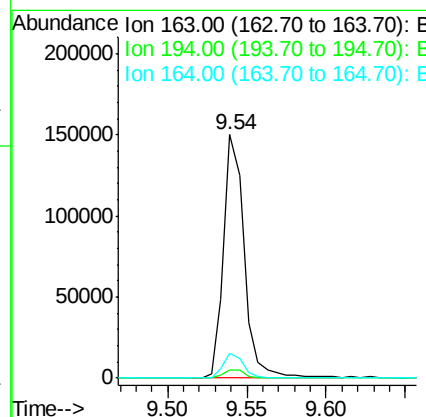
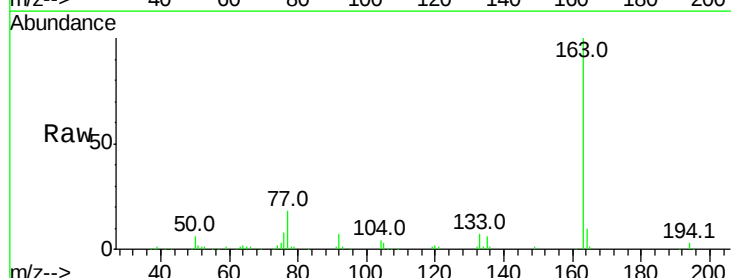
Manual Integrations
APPROVED

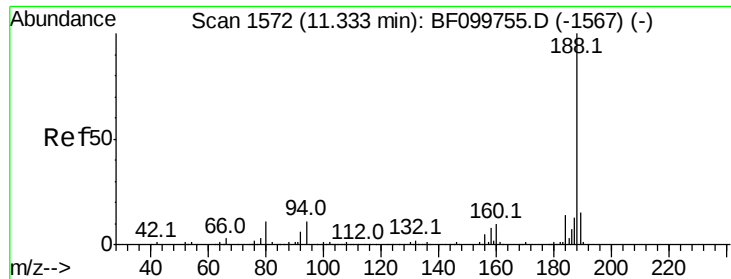
Sohil
10/31/2017 7:41:29 PM



#49
Dimethylphthalate
Concen: 8.817 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.4	8.2	12.2





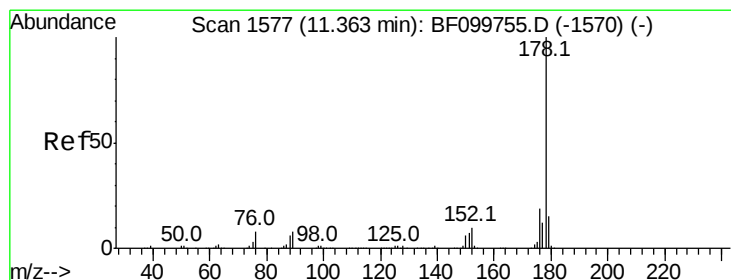
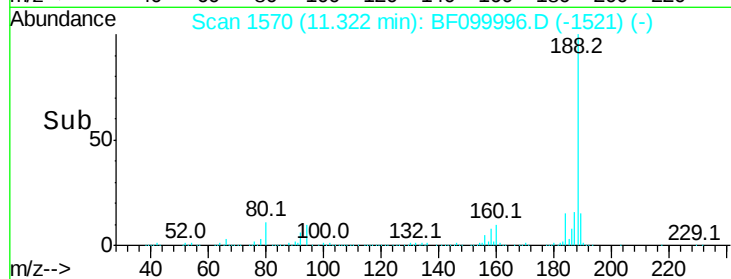
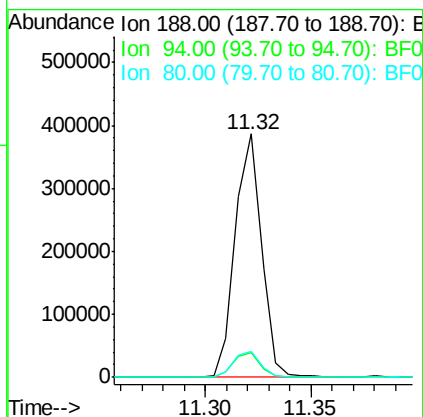
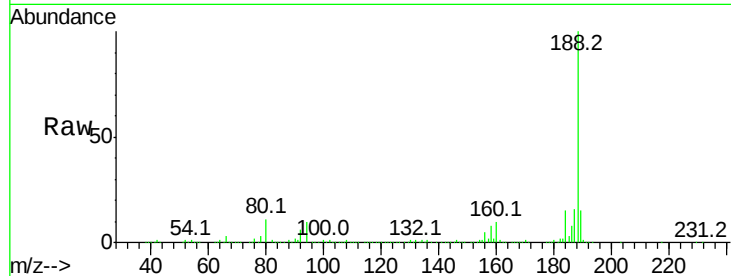
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	333485		
94	10.1		8.5	12.7
80	10.6		9.2	13.8

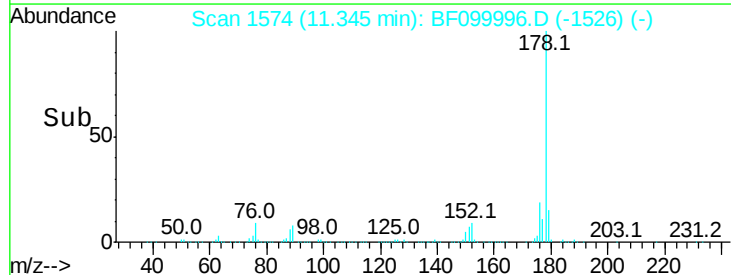
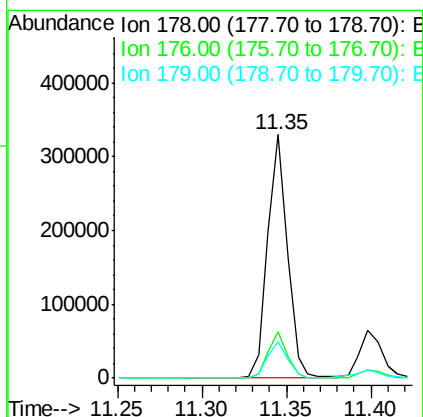
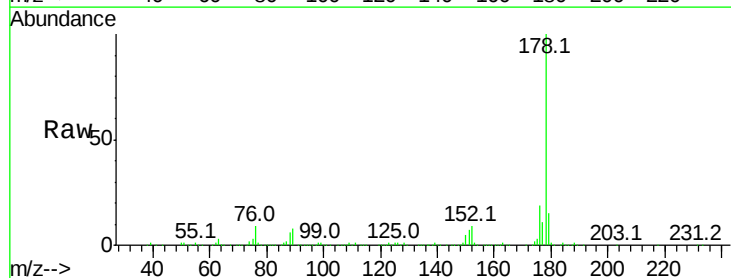
Manual Integrations
APPROVED

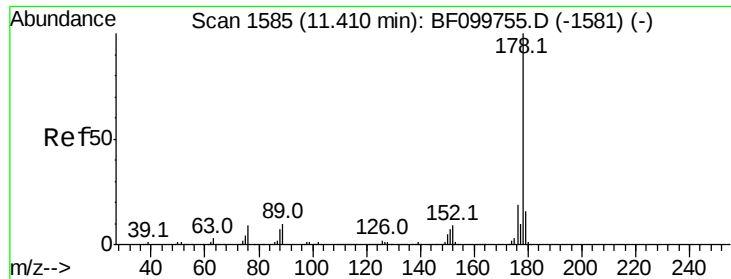
Sohil
10/31/2017 7:41:29 PM



#70
Phenanthrene
Concen: 14.329 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	269679		
176	18.8		15.8	23.8
179	15.1		13.0	19.6





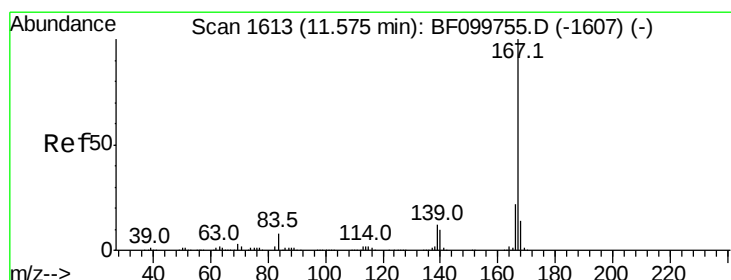
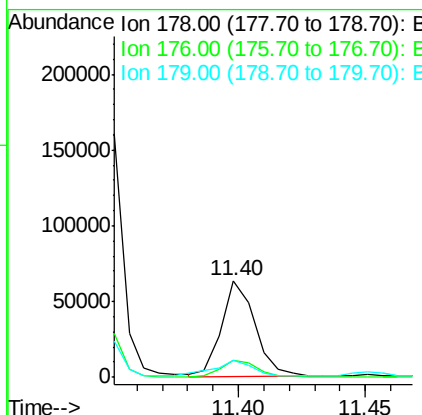
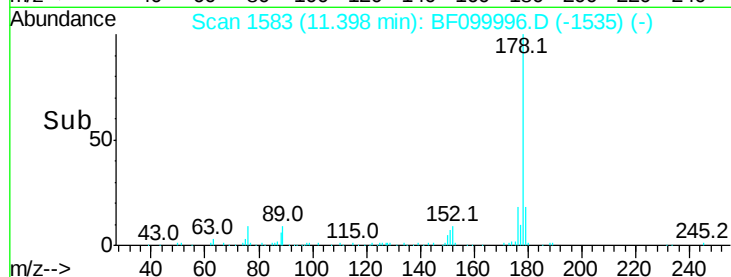
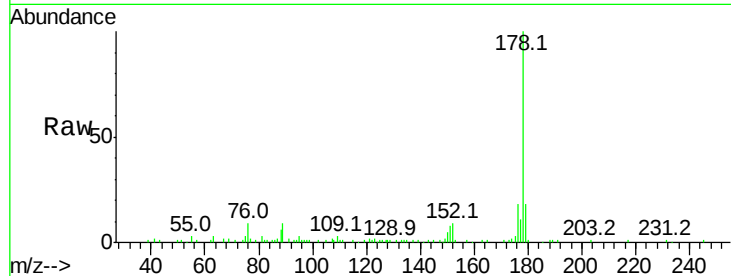
#71
 Anthracene
 Concen: 3.066 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: BF099996.D
 Acq: 31 Oct 2017 10:01

Instrument :
 BNA_F
 ClientSampleId :
 CF-1C(1-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	18.1	12.6	19.0

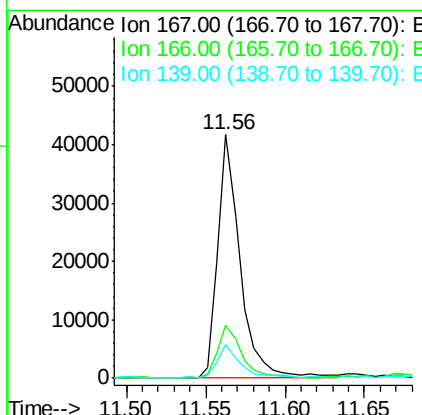
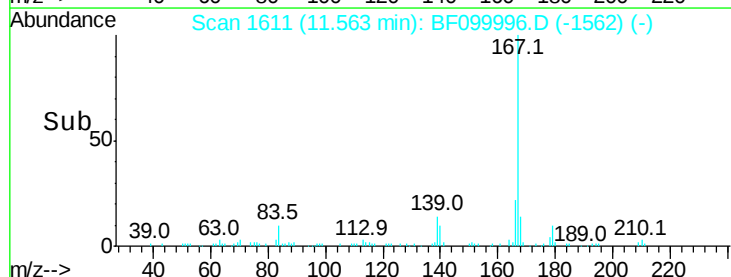
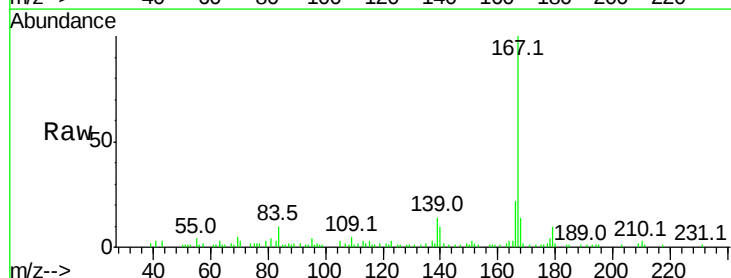
Manual Integrations
 APPROVED

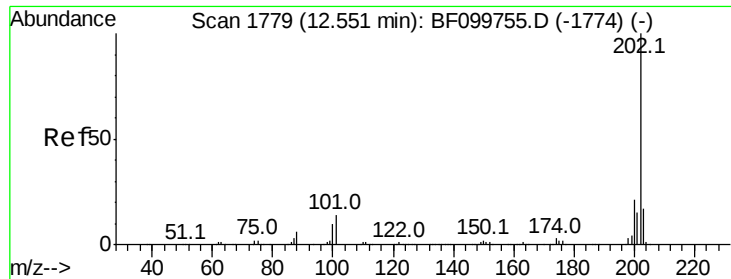
Sohil
 10/31/2017 7:41:29 PM



#72
 Carbazole
 Concen: 2.273 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF099996.D
 Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	13.8	10.9	16.3





#74

Fluoranthene

Concen: 16.999 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Instrument :

BNA_F

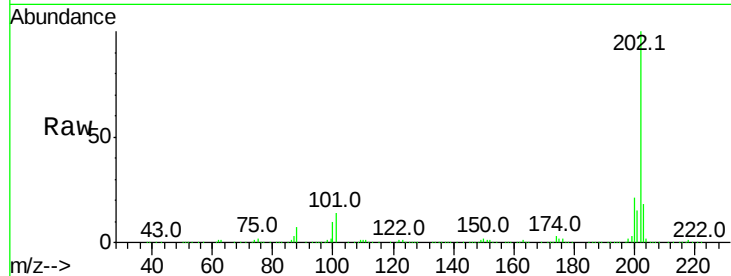
ClientSampled :

CF-1C(1-2)

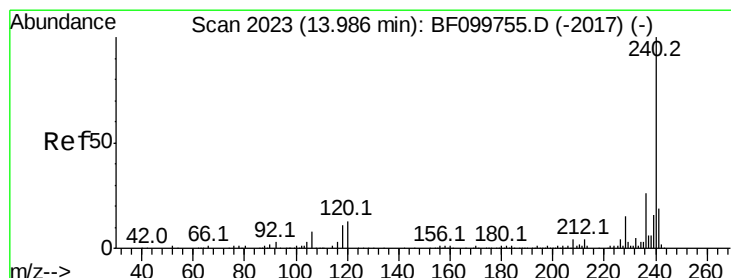
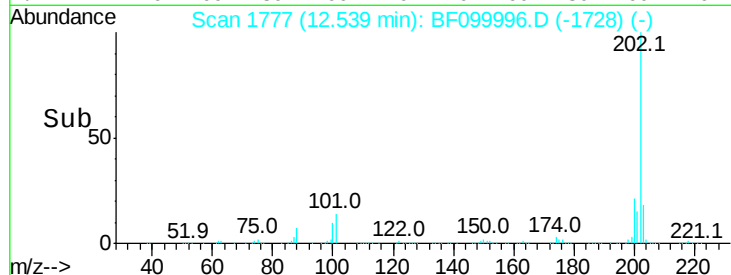
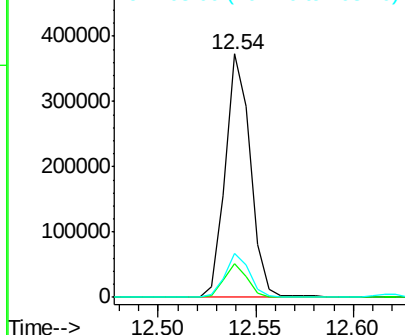
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

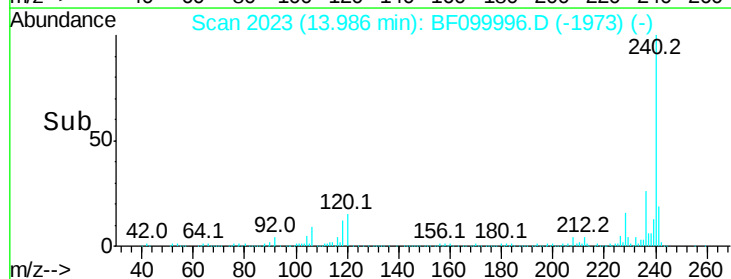
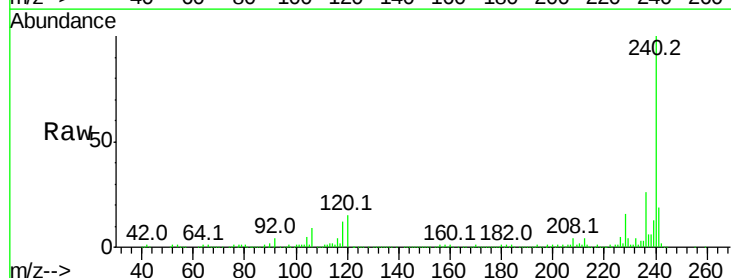
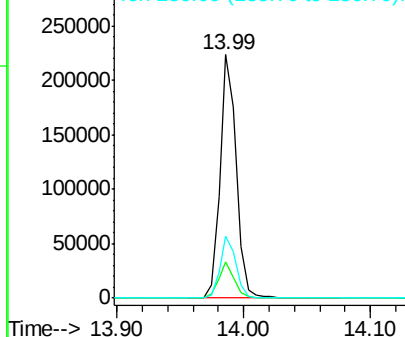
Delta R.T. -0.01 min

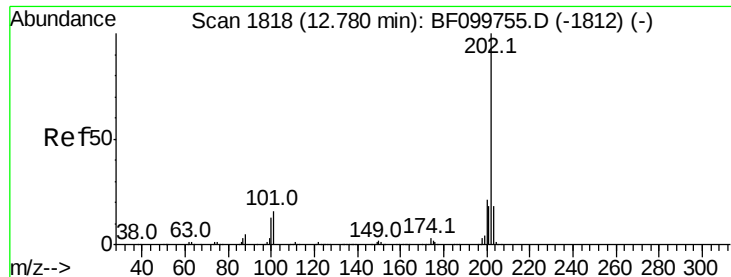
Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.7	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





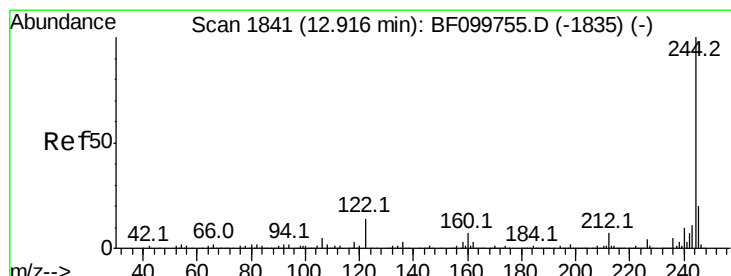
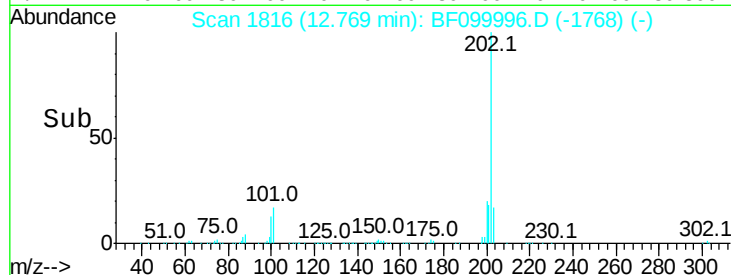
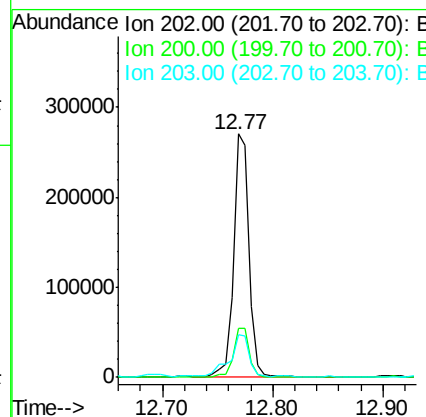
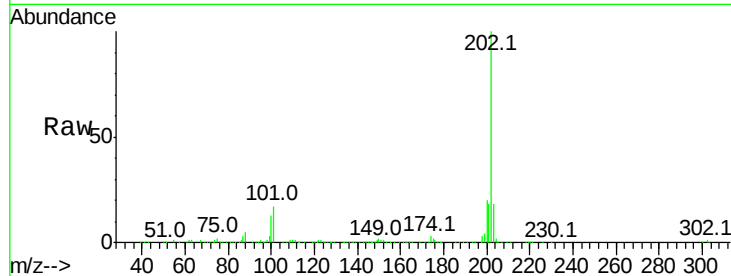
#77
Pvrene
Concen: 17.114 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	17.5	14.3	21.5

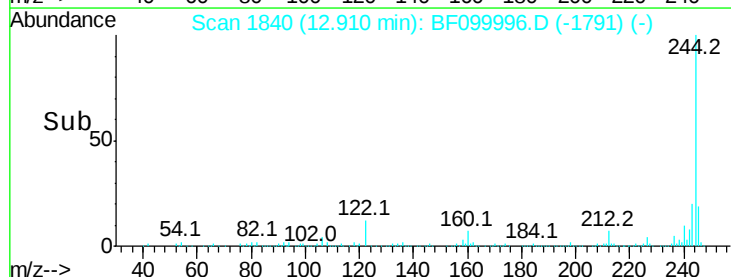
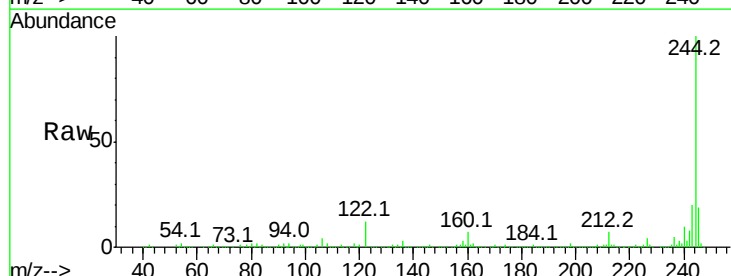
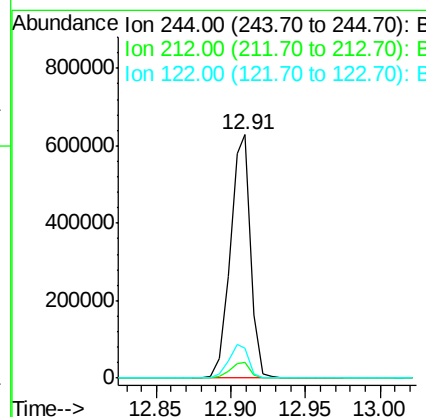
Manual Integrations
APPROVED

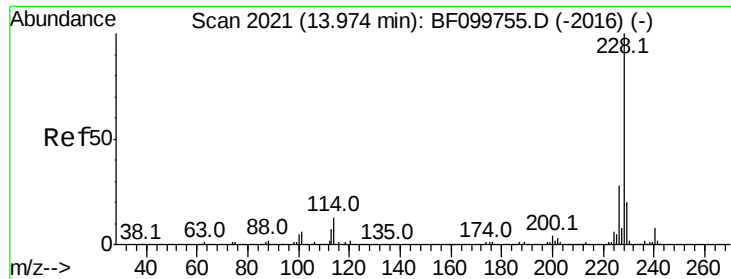
Sohil
10/31/2017 7:41:29 PM



#78
Terphenyl-d14
Concen: 65.585 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.1	11.0	16.4





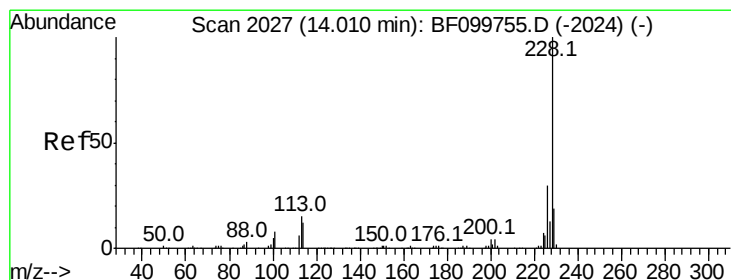
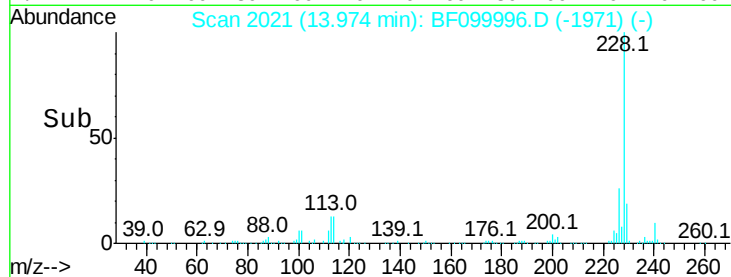
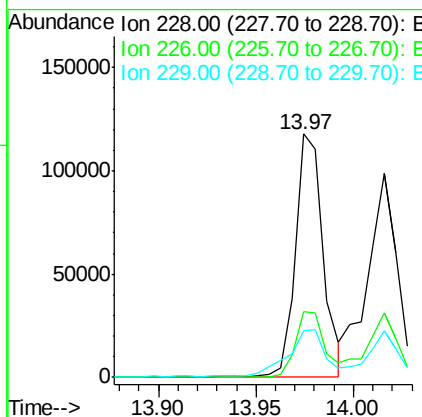
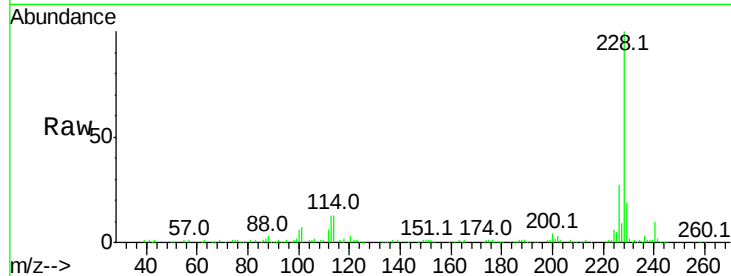
#80
Benzo(a)anthracene
Concen: 9.144 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	116345		
226	26.9		22.6	33.8
229	19.3		15.8	23.6

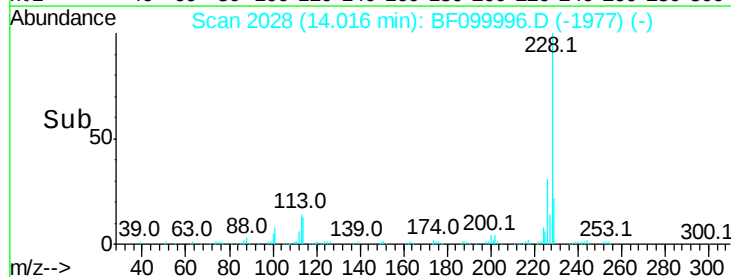
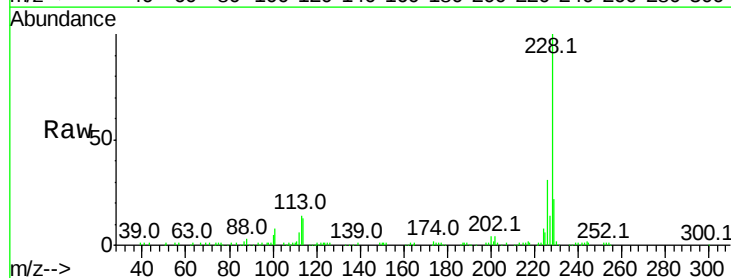
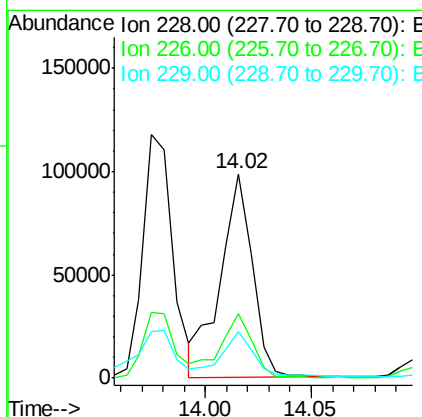
Manual Integrations
APPROVED

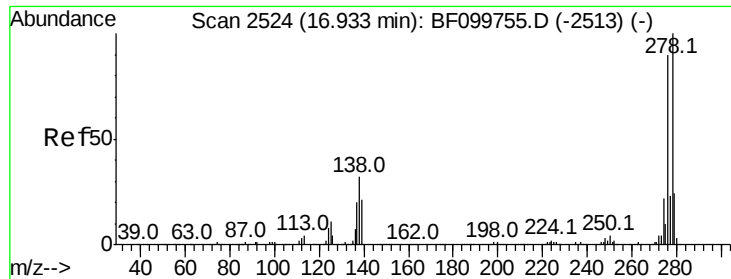
Sohil
10/31/2017 7:41:29 PM



#82
Chrysene
Concen: 8.670 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	103701		
226	31.4		25.0	37.6
229	22.5		16.2	24.4





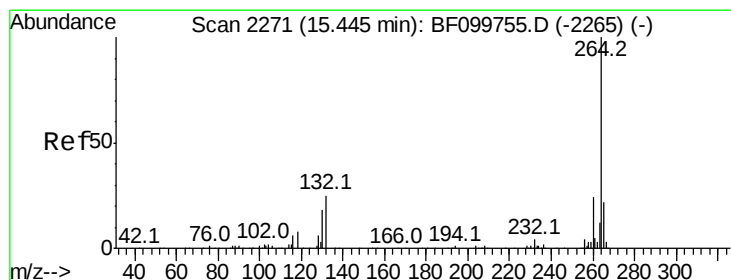
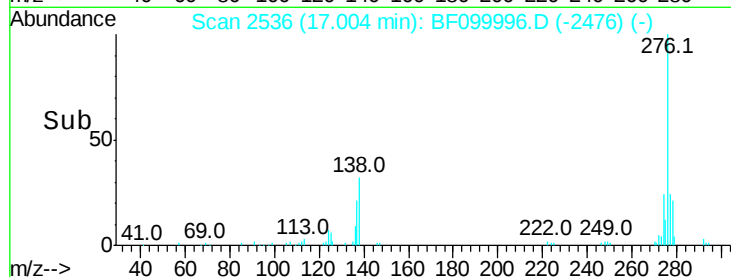
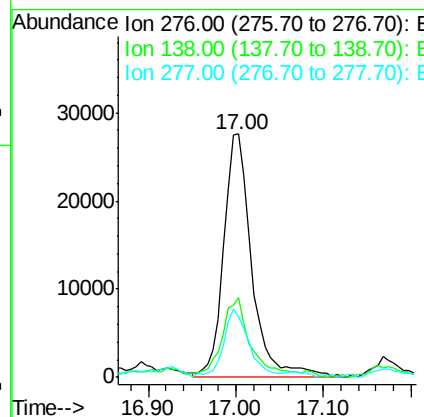
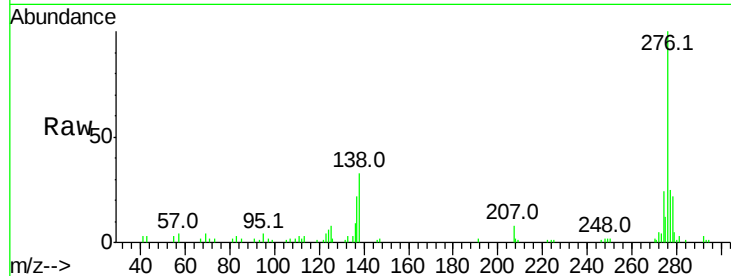
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.617 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.05 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.2	25.0	37.6
277	25.4	20.1	30.1

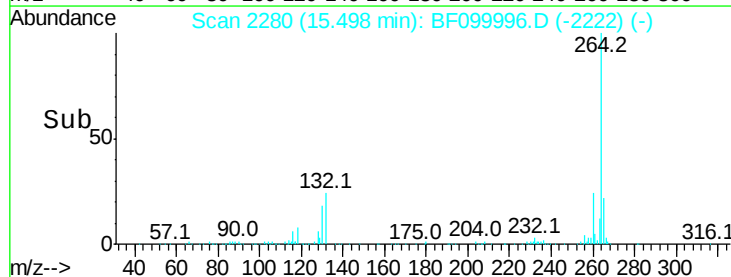
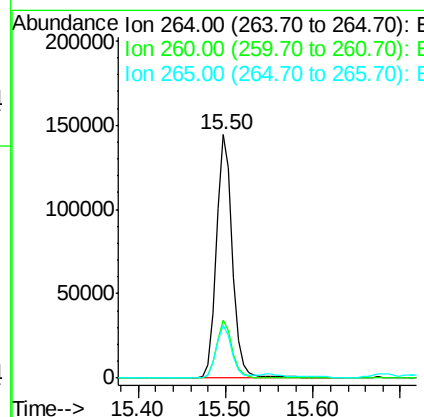
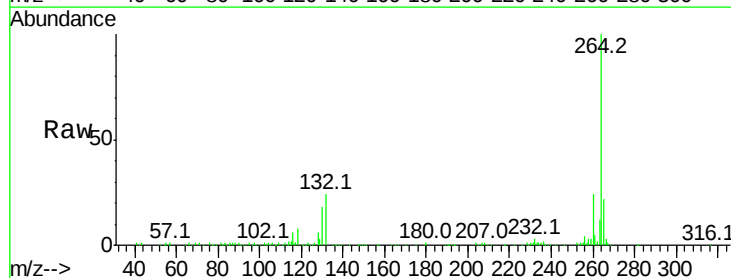
Manual Integrations
APPROVED

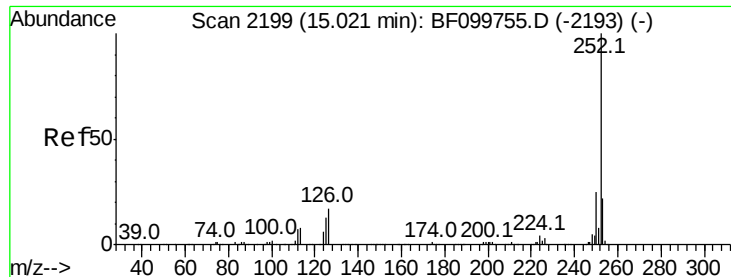
Sohil
10/31/2017 7:41:29 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 10.848 ng m

RT: 15.07 min Scan# 2207

Delta R.T. 0.04 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Instrument :

BNA_F

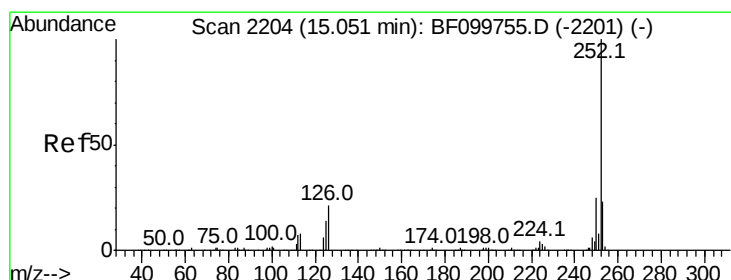
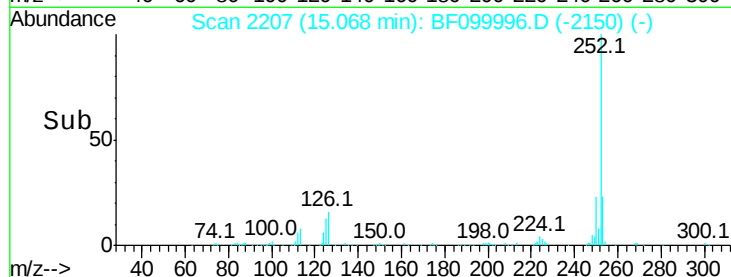
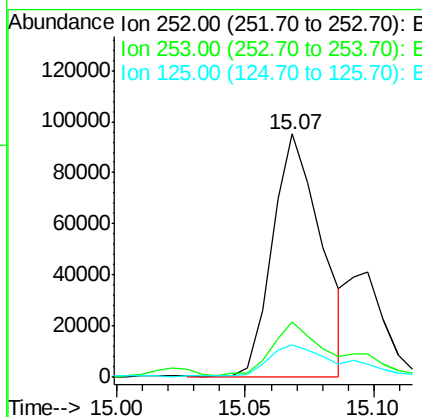
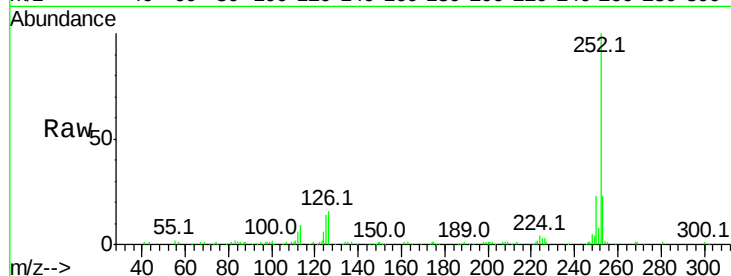
ClientSampleId :

CF-1C(1-2)

Tot Ion:	252	Resp:	126042
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	13.5	9.0	13.6

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM



#88

Benzo(k)fluoranthene

Concen: 3.826 ng m

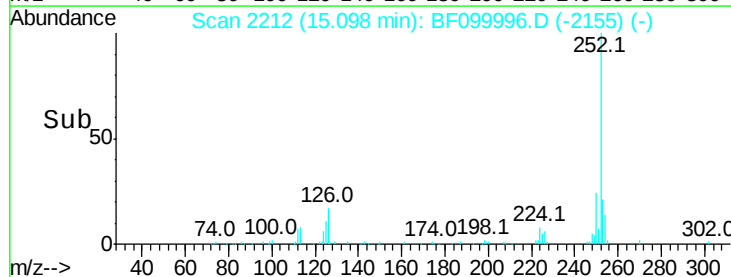
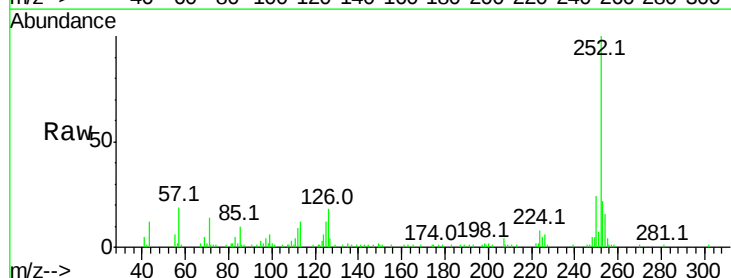
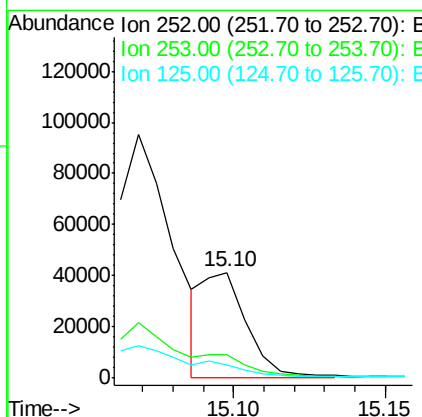
RT: 15.10 min Scan# 2212

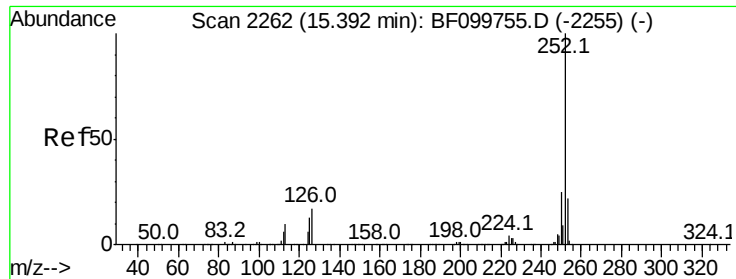
Delta R.T. 0.04 min

Lab File: BF099996.D

Acq: 31 Oct 2017 10:01

Tgt Ion:	252	Resp:	41915
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	12.1	10.2	15.2





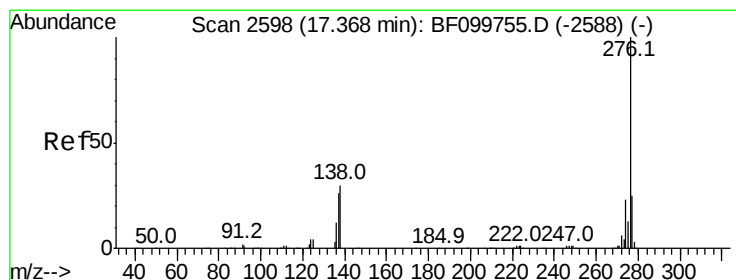
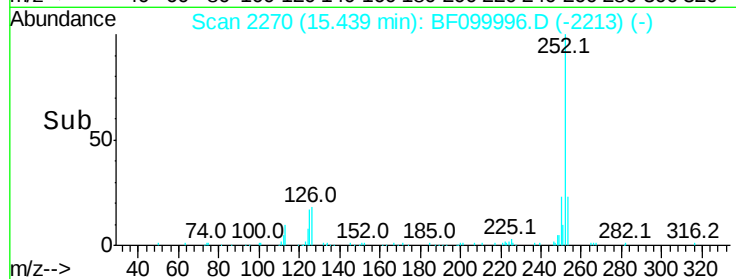
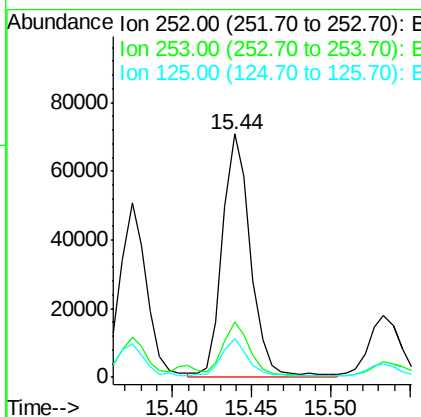
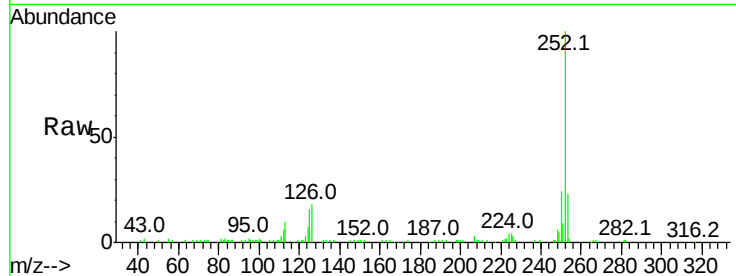
#89
Benzo(a)pyrene
Concen: 8.442 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.04 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Instrument :
BNA_F
ClientSampleId :
CF-1C(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	15.8	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:29 PM



#91
Benzo(g,h,i)perylene
Concen: 6.077 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.06 min
Lab File: BF099996.D
Acq: 31 Oct 2017 10:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	33.1	21.8	32.8

