

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113396.D
 Acq On : 29 Mar 2019 3:14
 Operator : JU/SJ
 Sample : K2086-07DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-18DL

Manual Integrations
 APPROVED

Sohil
 3/29/2019 4:47:27 PM

Quant Time: Mar 29 05:33:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	175037	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	682155	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	326541	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	616895	20.00	ng	0.00
76) Chrysene-d12	13.84	240	431883	20.00	ng	0.00
87) Perylene-d12	15.24	264	464908	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	566989	52.97	ng	0.00
7) Phenol-d6	6.35	99	740331	54.67	ng	-0.01
23) Nitrobenzene-d5	7.26	82	430275	37.44	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	215604	53.45	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	898175	32.14	ng	0.00
79) Terphenyl-d14	12.79	244	823585	42.03	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.45	163	56765	2.346	ng	99
71) Phenanthrene	11.23	178	607822	19.841	ng	99
72) Anthracene	11.29	178	89416	2.874	ng	97
73) Carbazole	11.45	167	125529	4.228	ng	98
75) Fluoranthene	12.42	202	1733947	50.067	ng	98
78) Pyrene	12.64	202	1374618	45.931	ng	99
81) Benzo(a)anthracene	13.83	228	262671	10.625	ng	95
83) Chrysene	13.87	228	927537	36.938	ng	99
86) Indeno(1,2,3-cd)pyrene	16.59	276	217834	10.108	ng	98
88) Benzo(b)fluoranthene	14.85	252	1110595m	38.456	ng	
89) Benzo(k)fluoranthene	14.87	252	254056m	10.017	ng	
90) Benzo(a)pyrene	15.19	252	231588	9.045	ng	97
91) Dibenzo(a,h)anthracene	16.60	278	48528	2.192	ng	# 80
92) Benzo(g,h,i)perylene	17.00	276	181028	8.110	ng	98

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

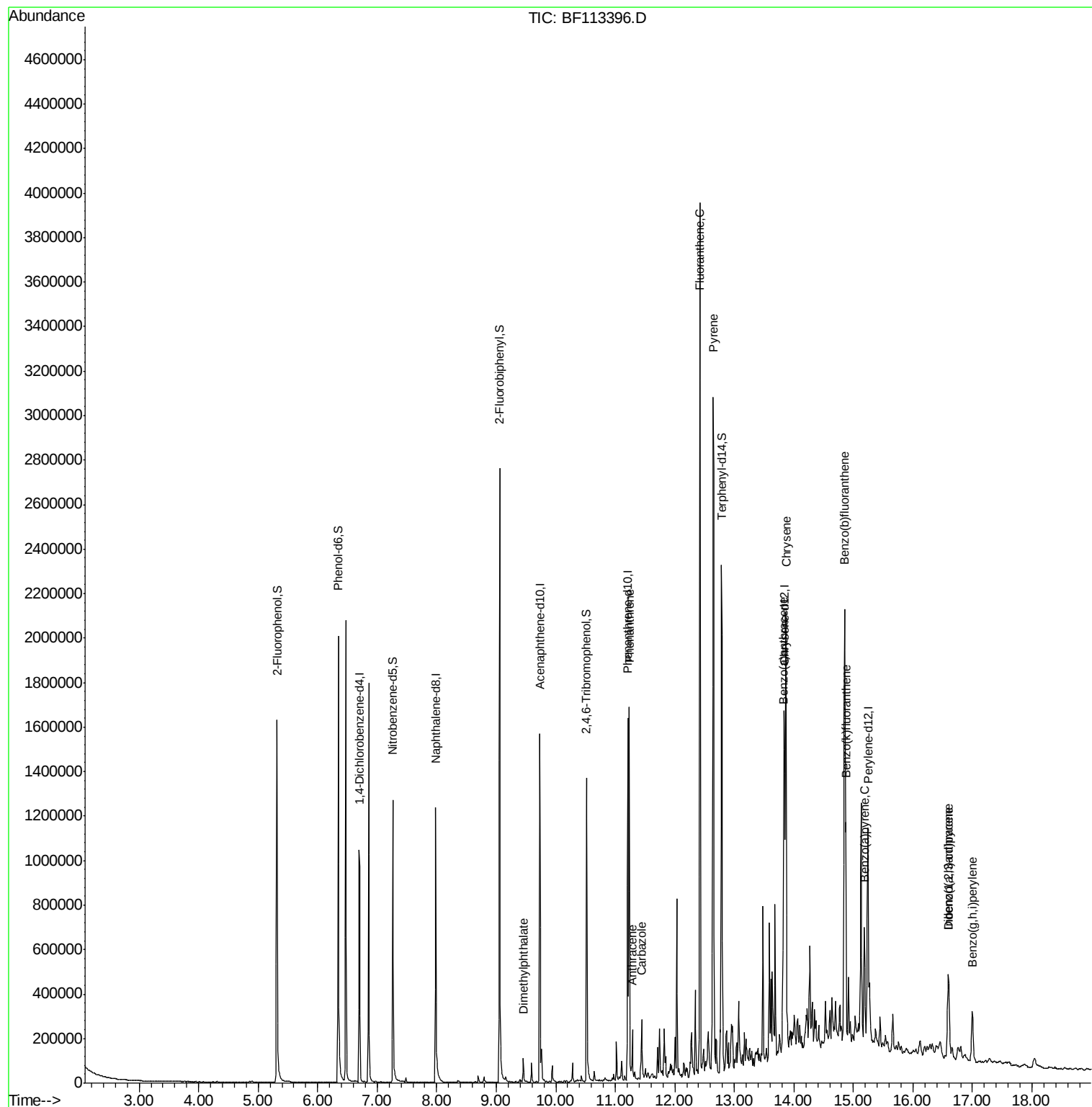
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
Data File : BF113396.D
Acq On : 29 Mar 2019 3:14
Operator : JU/SJ
Sample : K2086-07DL 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

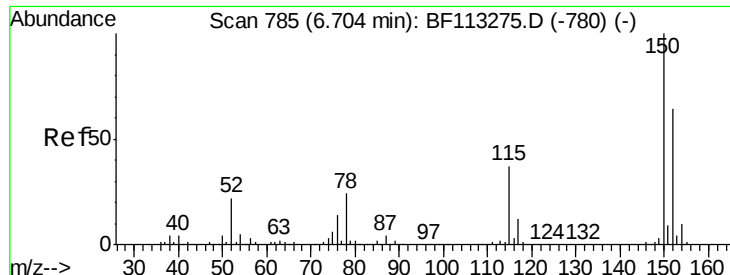
Instrument :
BNA_F
ClientSampleId :
CS-18DL

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:27 PM

Quant Time: Mar 29 05:33:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 03:32:08 2019
Response via : Initial Calibration





#1

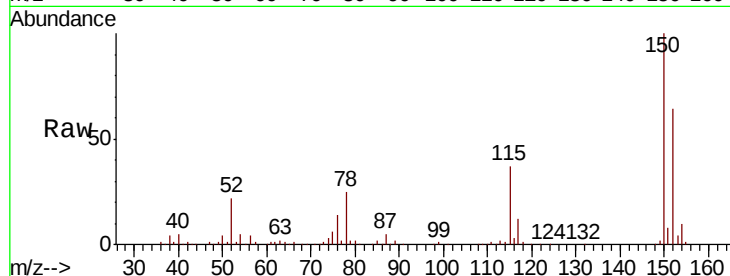
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampled :
CS-18DL

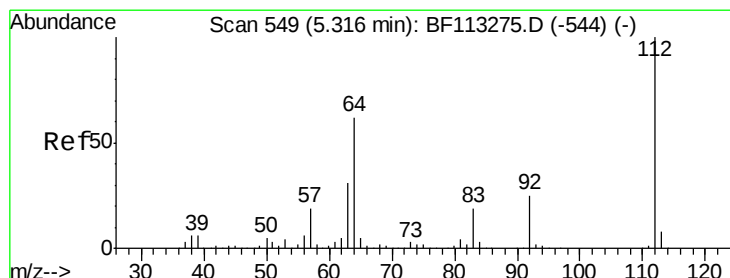
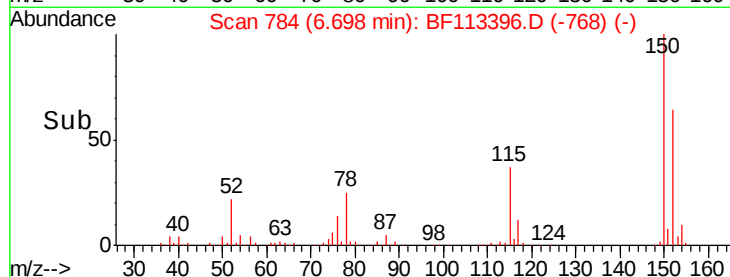
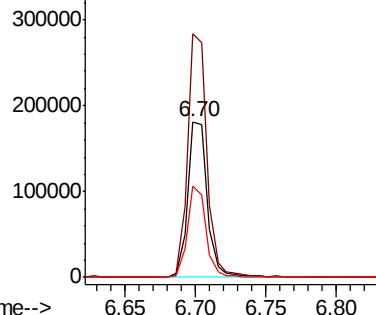
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.7	187.1
115	58.3	46.0	69.0

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:27 PM



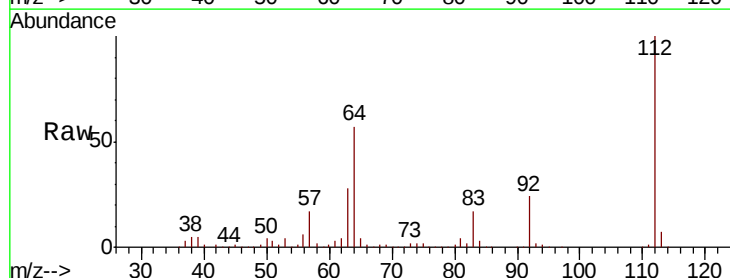
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



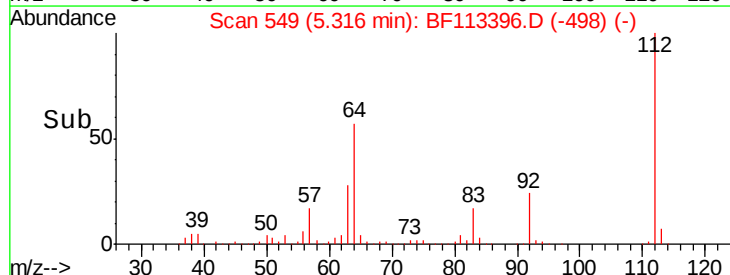
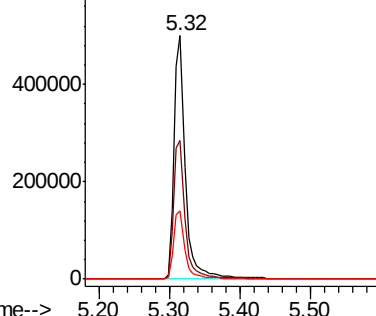
#5

2-Fluorophenol
Concen: 52.966 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	49.2	73.8
63	28.0	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 54.668 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113396.D

Acq: 29 Mar 2019 3:14

Instrument :

BNA_F

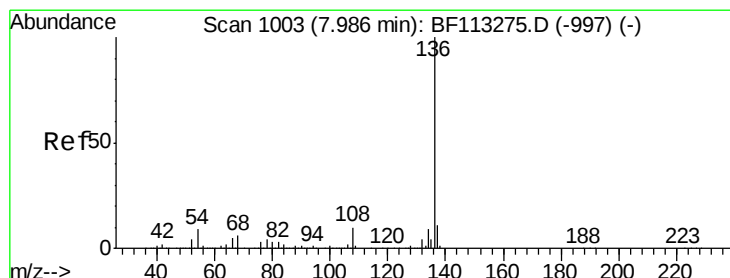
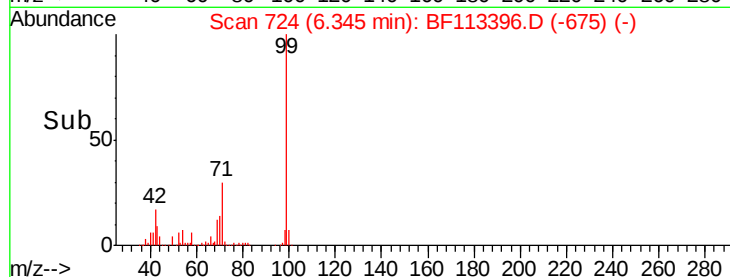
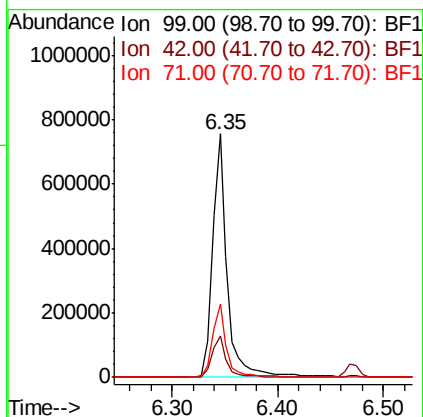
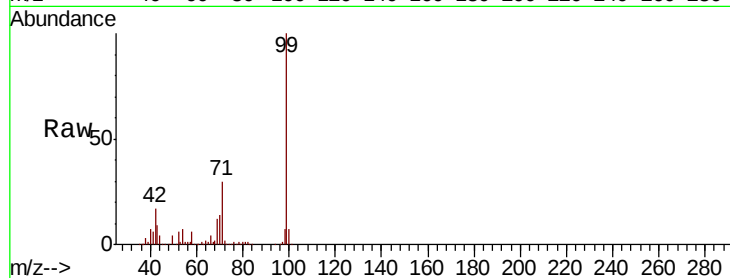
ClientSampled :

CS-18DL

Tot Ion:	99	Resp:	740331
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.8	22.2
71	30.1	24.9	37.3

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:27 PM



#21

Naphthalene-d8

Concen: 20.000 ng

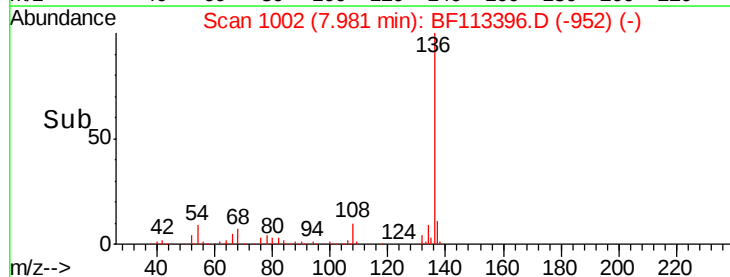
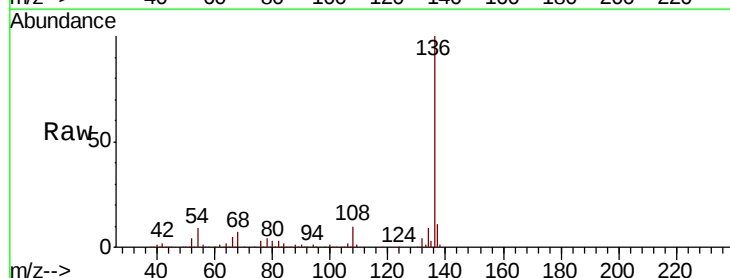
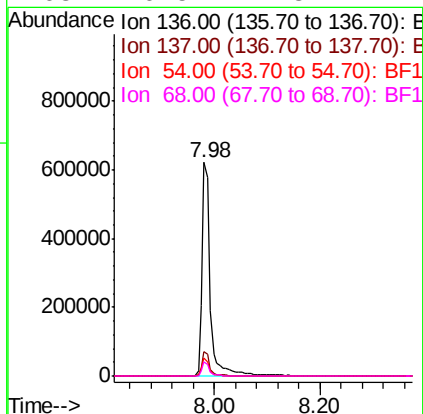
RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113396.D

Acq: 29 Mar 2019 3:14

Tgt Ion:	136	Resp:	682155
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.5	7.0	10.6
68	6.5	4.8	7.2





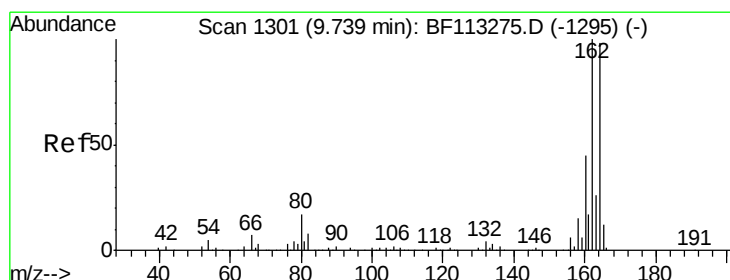
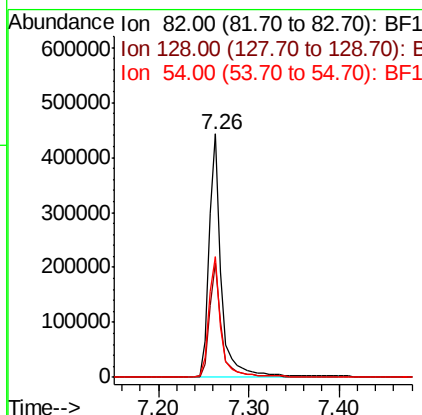
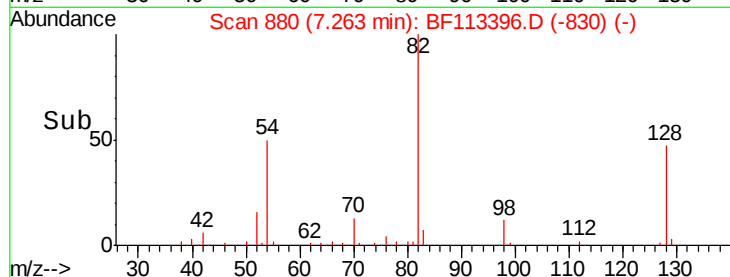
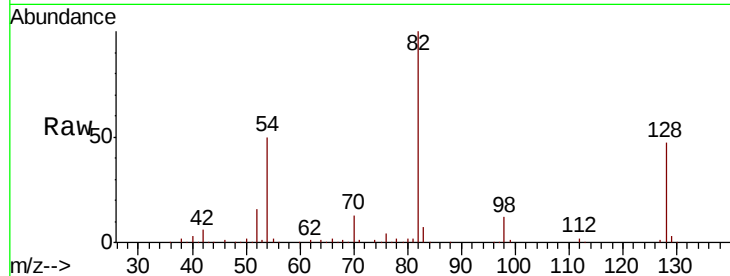
#23
Nitrobenzene-d5
Concen: 37.438 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampled :
CS-18DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.5	54.7
54	49.8	42.2	63.2

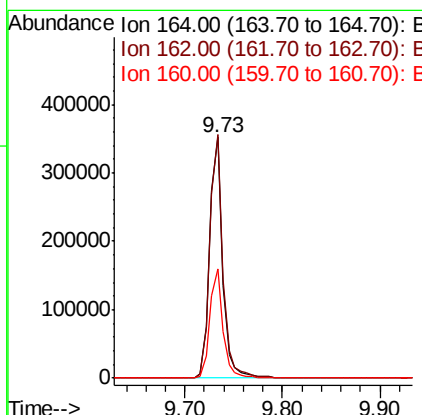
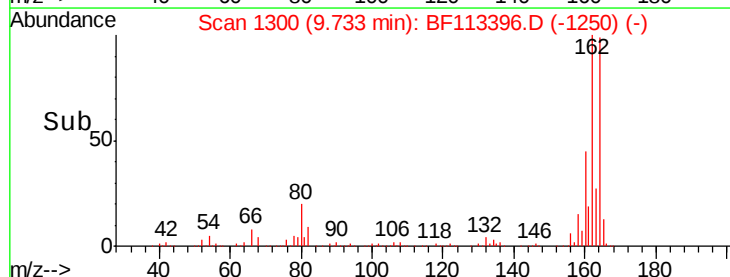
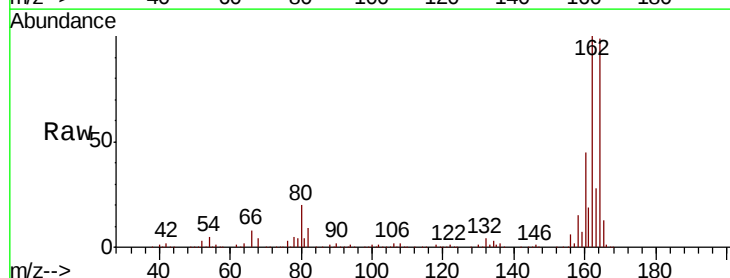
Manual Integrations
APPROVED

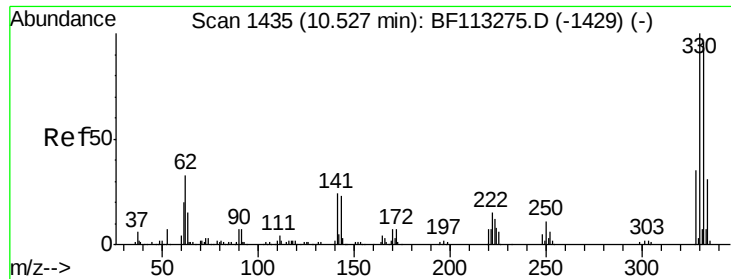
Sohil
3/29/2019 4:47:27 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.8	122.6
160	45.3	36.4	54.6





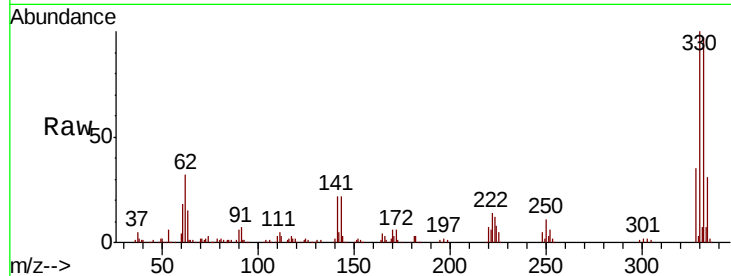
#42
 2,4,6-Tribromophenol
 Concen: 53.453 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113396.D
 Acq: 29 Mar 2019 3:14

Instrument :
 BNA_F
 ClientSampled :
 CS-18DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	215604		
332	95.2	77.8	116.6	
141	27.2	22.7	34.1	

Manual Integrations
 APPROVED

Sohil
 3/29/2019 4:47:27 PM

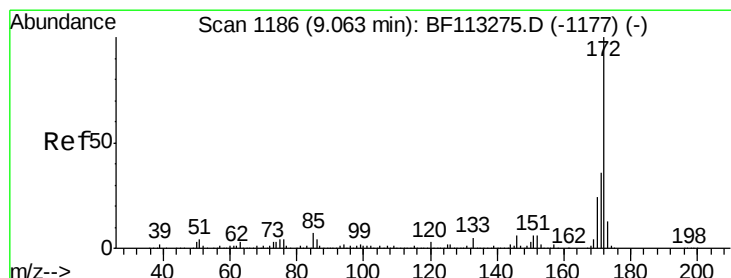
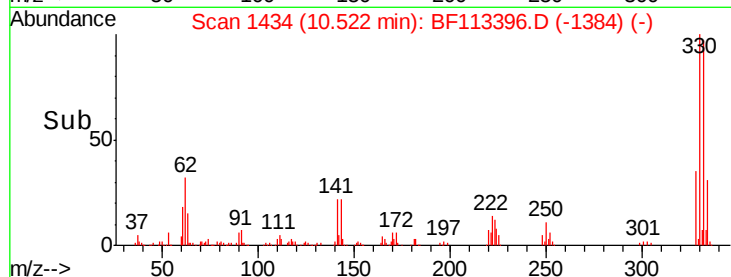
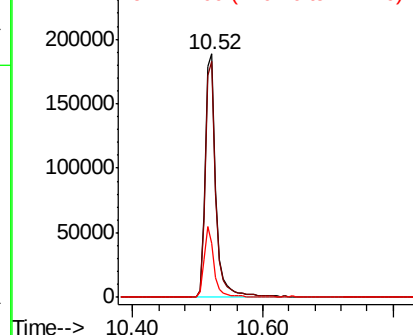


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.144 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113396.D
 Acq: 29 Mar 2019 3:14

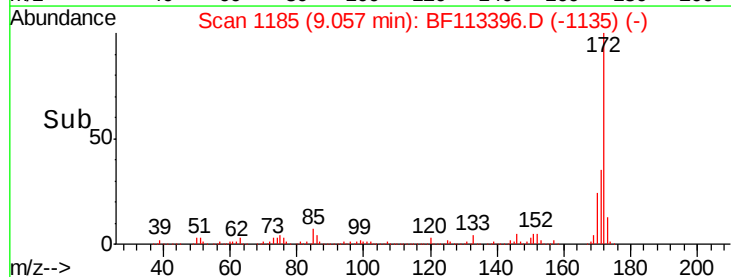
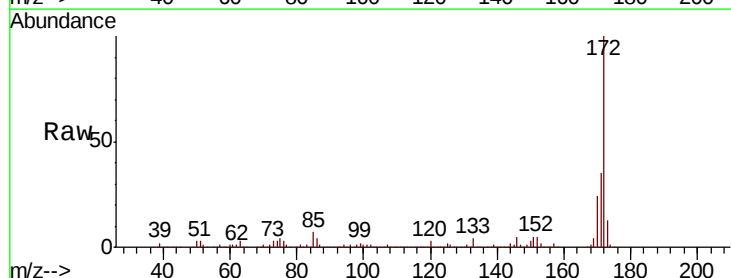
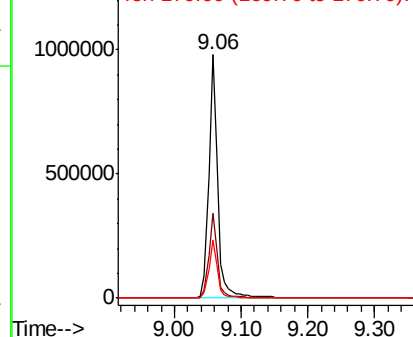
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	898175		
171	34.9	29.0	43.6	
170	23.8	19.5	29.3	

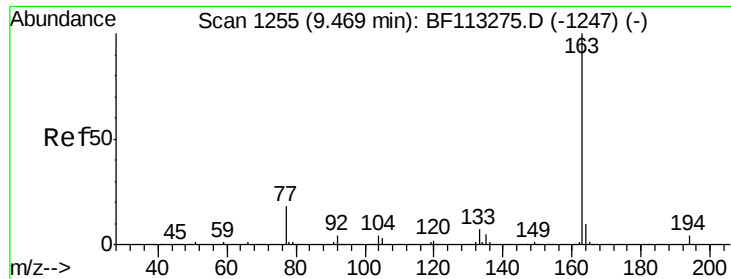
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





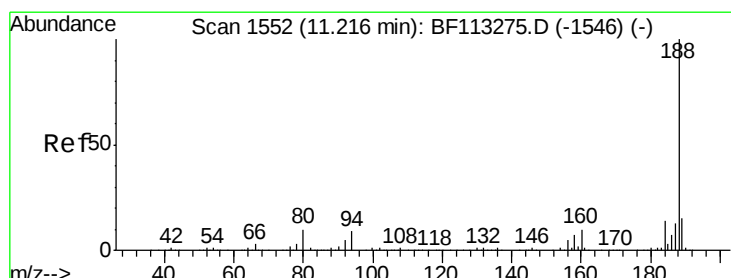
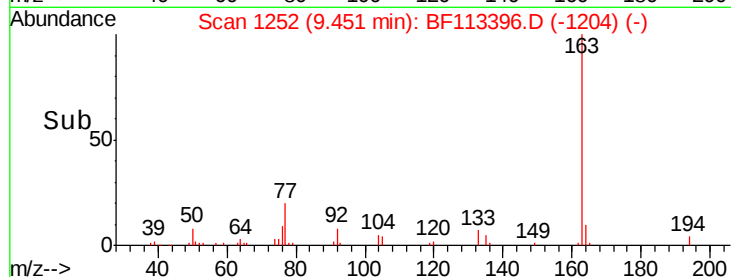
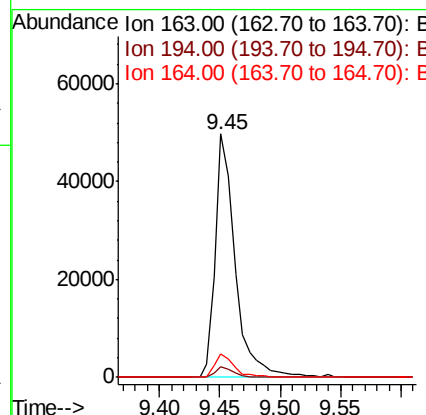
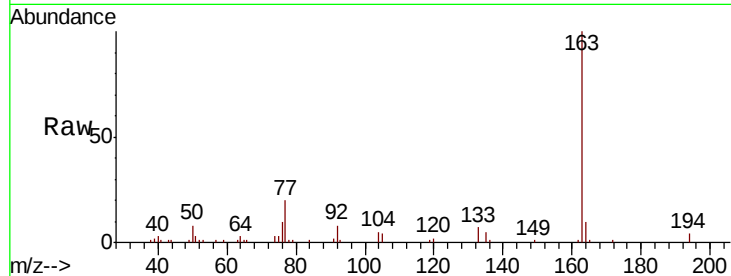
#50
Dimethylphthalate
Concen: 2.346 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampleId :
CS-18DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	56765		
194	4.3		3.0	4.6
164	9.8		8.1	12.1

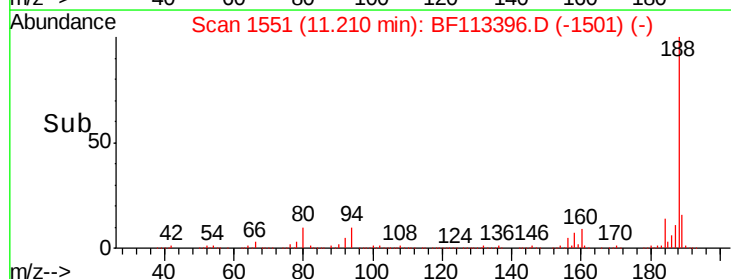
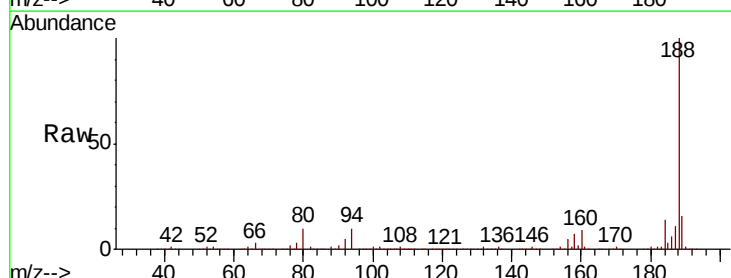
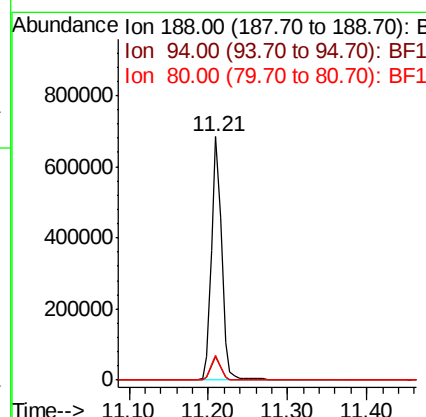
Manual Integrations
APPROVED

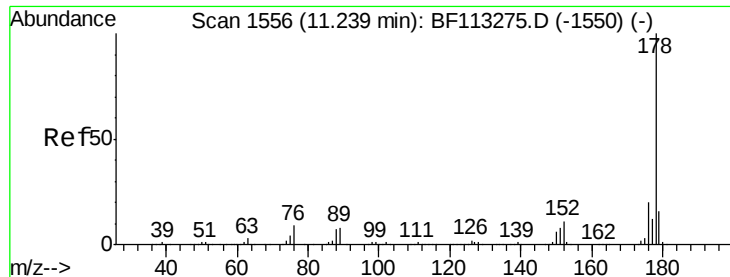
Sohil
3/29/2019 4:47:27 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	616895		
94	9.8		7.0	10.6
80	10.2		7.7	11.5





#71

Phenanthrene

Concen: 19.841 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113396.D

Acq: 29 Mar 2019 3:14

Instrument :

BNA_F

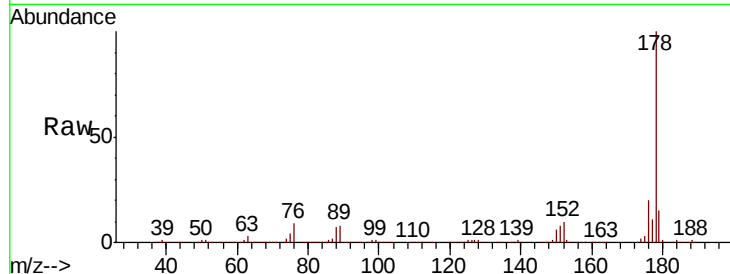
ClientSampleId :

CS-18DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.2
179	15.5	12.7	19.1

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:27 PM

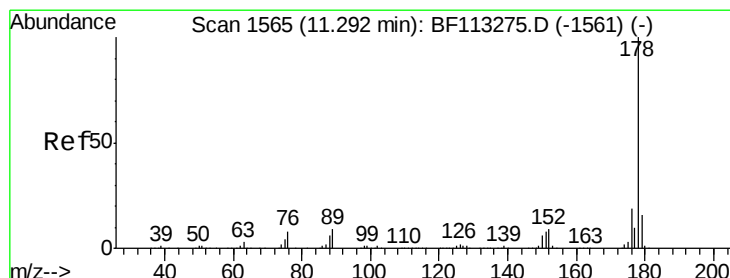
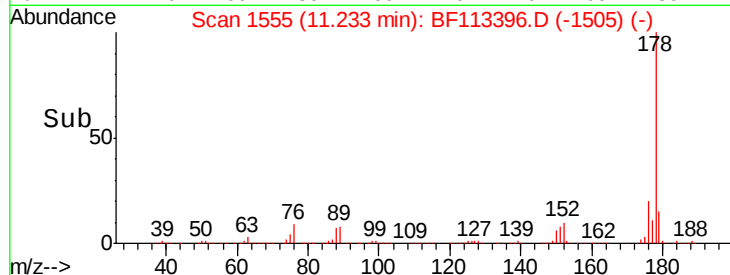
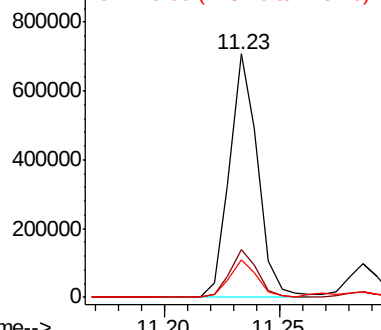


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.874 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113396.D

Acq: 29 Mar 2019 3:14

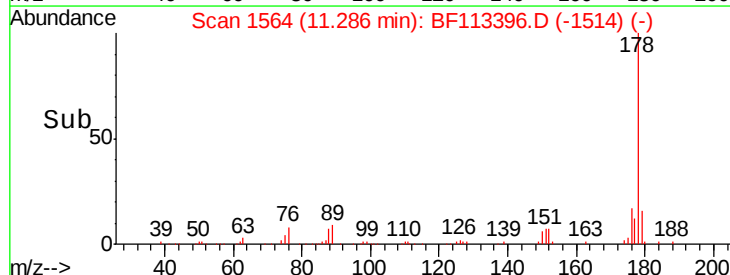
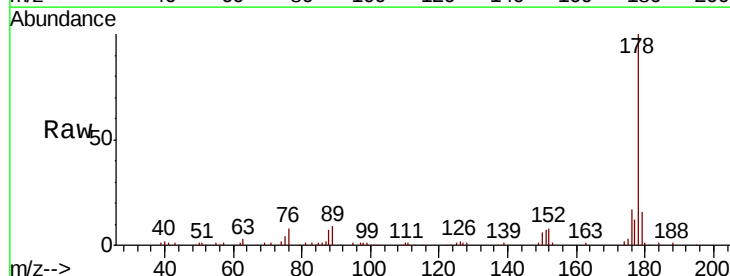
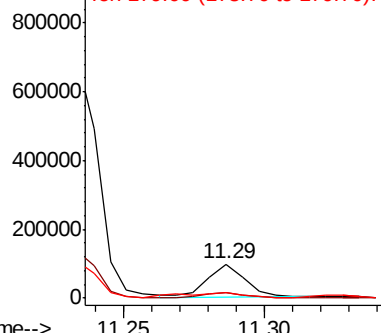
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	16.1	12.8	19.2

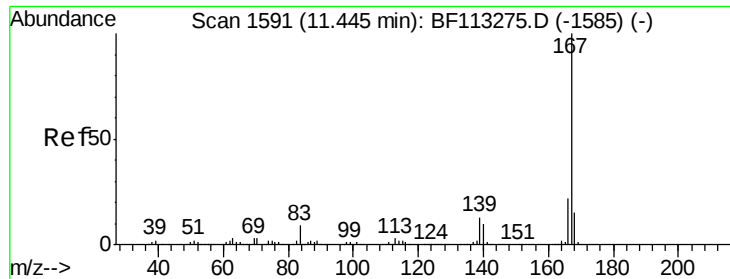
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





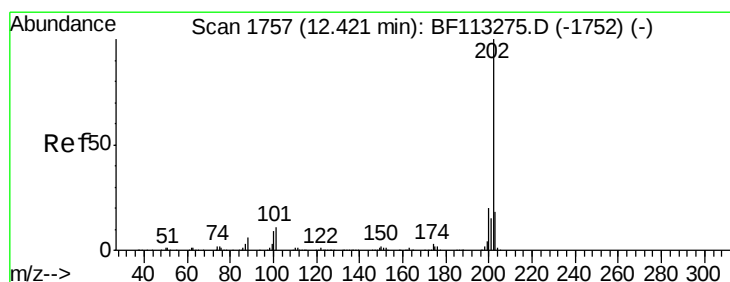
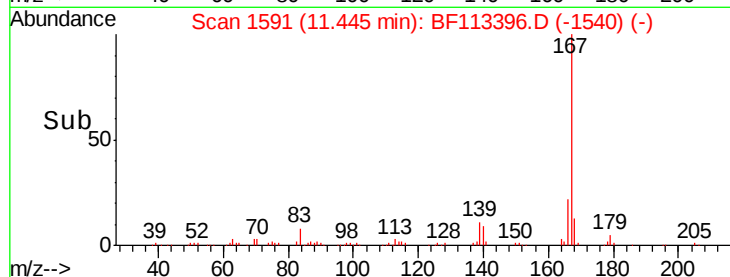
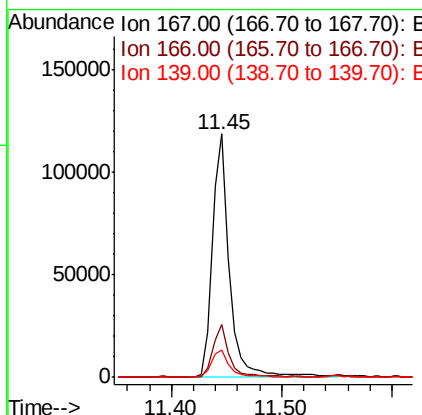
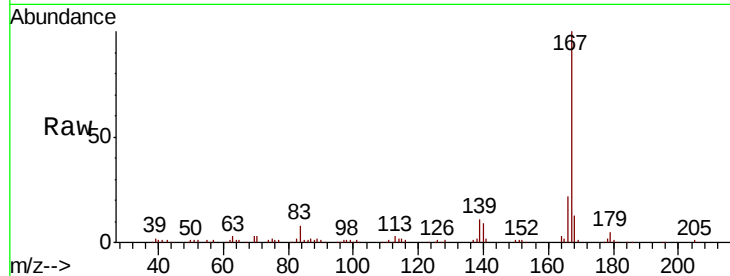
#73
 Carbazole
 Concen: 4.228 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.00 min
 Lab File: BF113396.D
 Acq: 29 Mar 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :
 CS-18DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	21.8	17.4	26.0		
139	11.2	10.4	15.6		

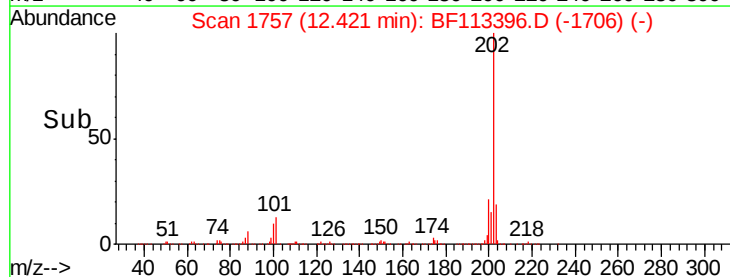
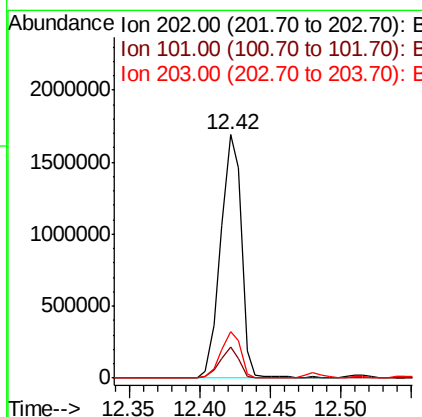
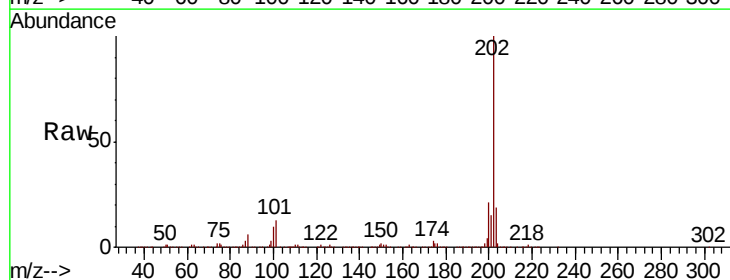
Manual Integrations
 APPROVED

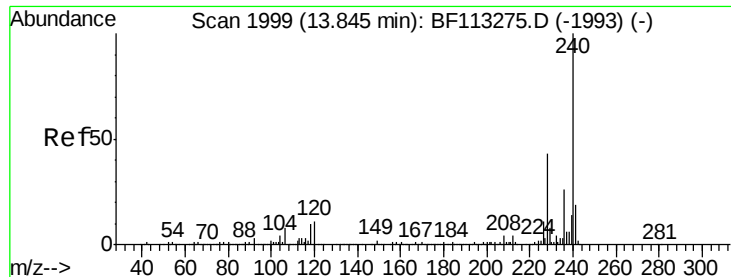
Sohil
 3/29/2019 4:47:27 PM



#75
 Fluoranthene
 Concen: 50.067 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BF113396.D
 Acq: 29 Mar 2019 3:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.6	0.0	31.4		
203	18.9	0.0	38.0		





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113396.D

Acq: 29 Mar 2019 3:14

Instrument :

BNA_F

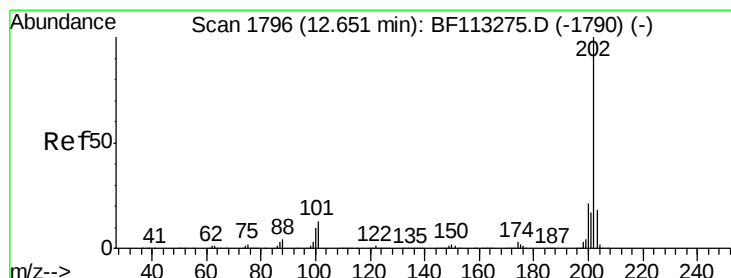
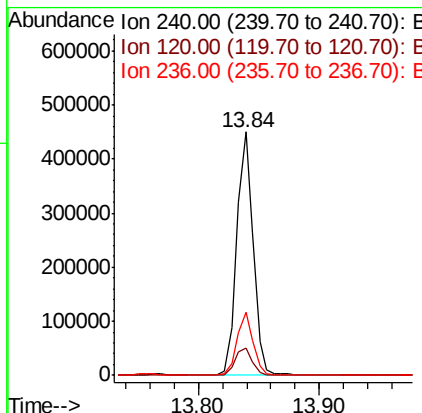
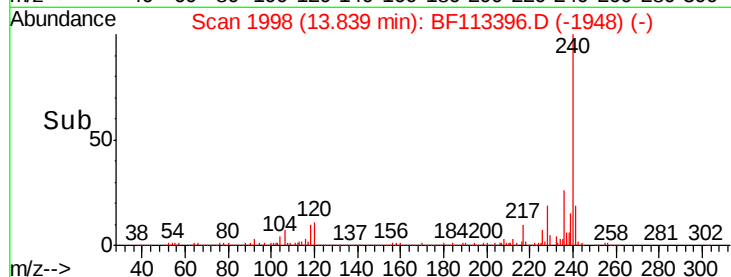
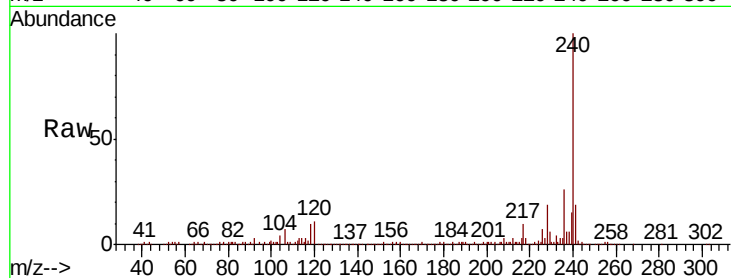
ClientSampleId :

CS-18DL

Tot Ion:	240	Resp:	431883
Ion Ratio	Lower	Upper	
240	100		
120	11.2	8.8	13.2
236	25.8	20.9	31.3

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:27 PM



#78

Pyrene

Concen: 45.931 ng

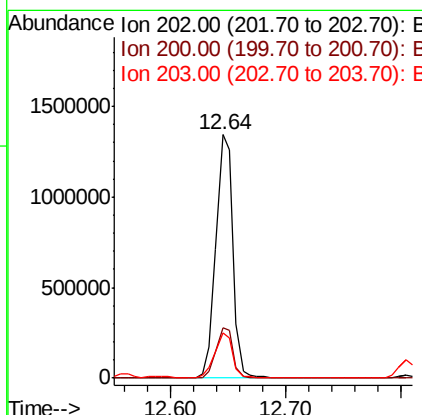
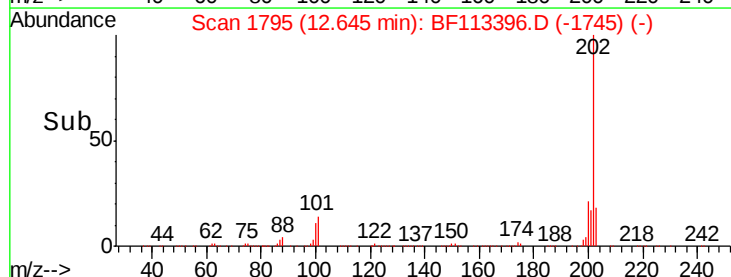
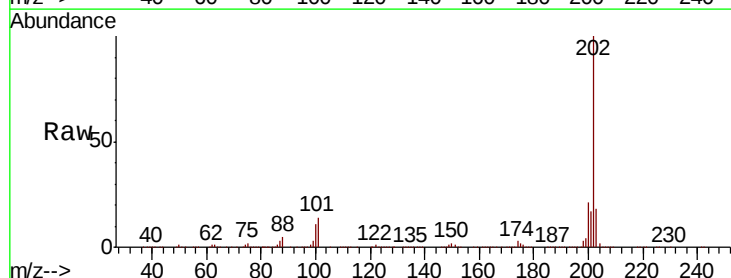
RT: 12.64 min Scan# 1795

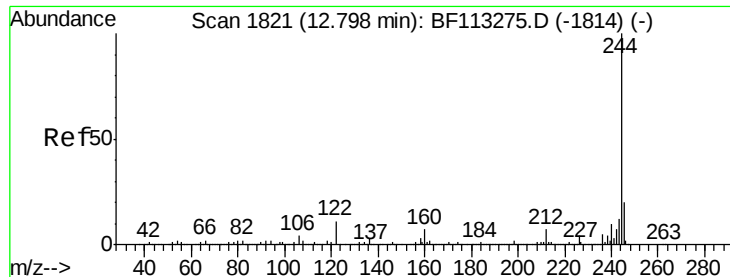
Delta R.T. -0.01 min

Lab File: BF113396.D

Acq: 29 Mar 2019 3:14

Tgt Ion:	202	Resp:	1374618
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	18.5	14.4	21.6





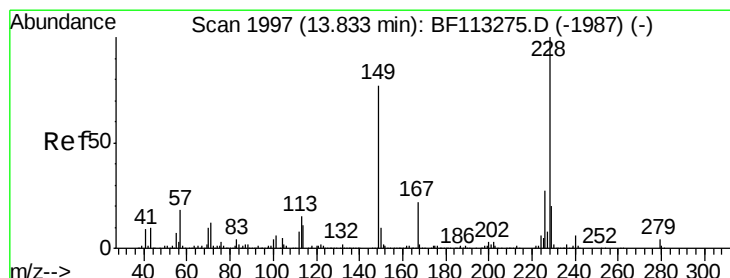
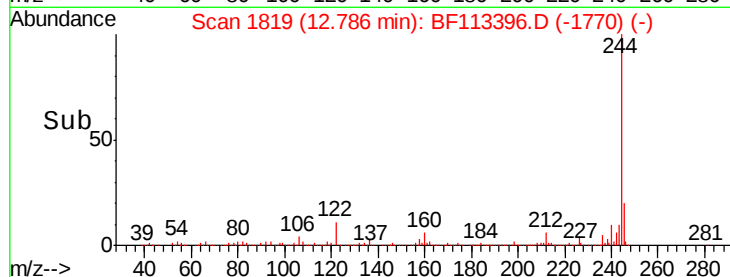
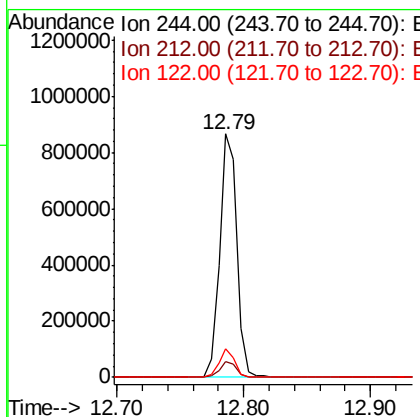
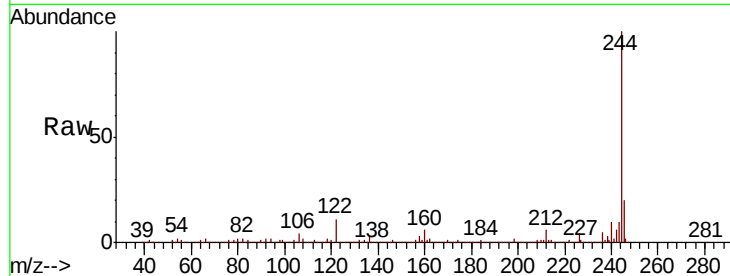
#79
 Terphenyl-d14
 Concen: 42.033 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113396.D
 Acq: 29 Mar 2019 3:14

Instrument :
 BNA_F
 ClientSampled :
 CS-18DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	11.5	8.6	13.0

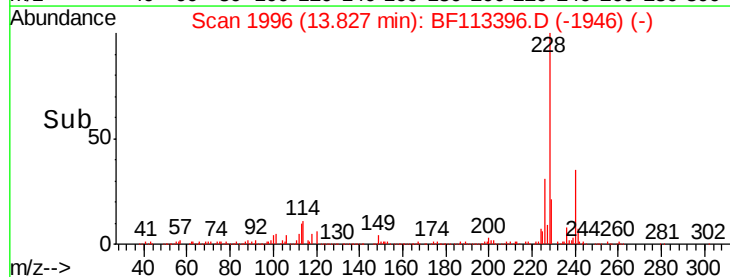
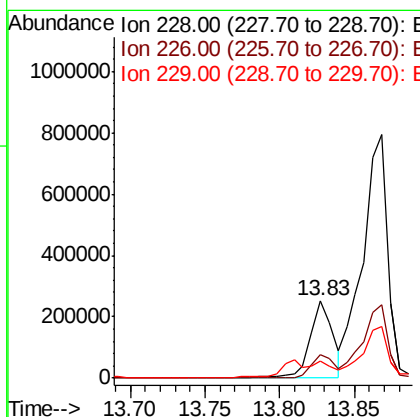
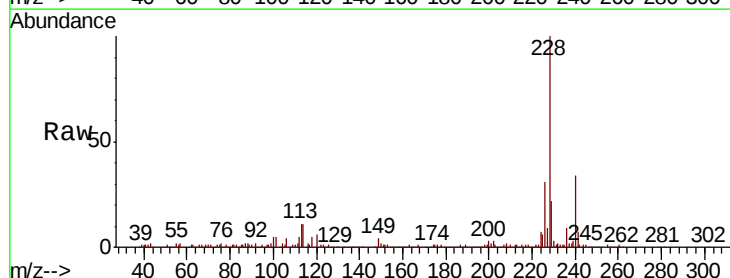
Manual Integrations
 APPROVED

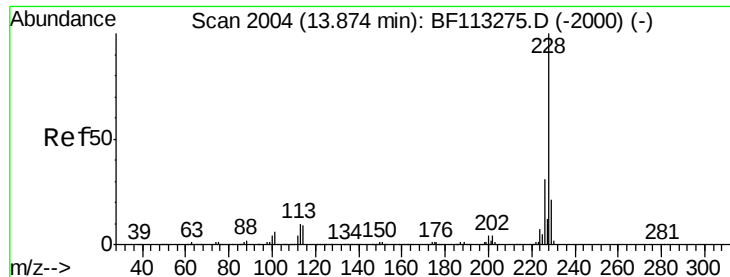
Sohil
 3/29/2019 4:47:27 PM



#81
 Benzo(a)anthracene
 Concen: 10.625 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113396.D
 Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.8	32.8
229	21.7	16.2	24.4





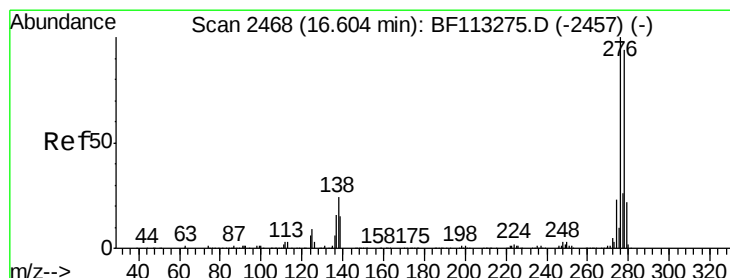
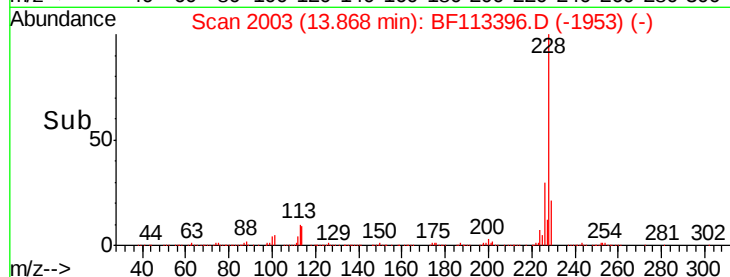
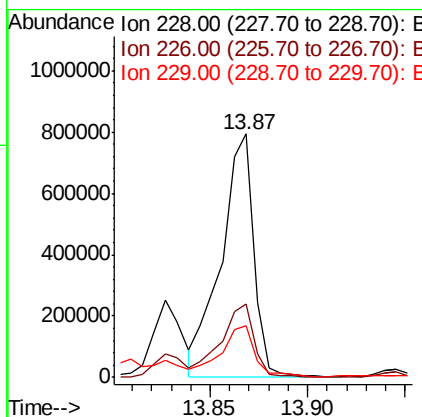
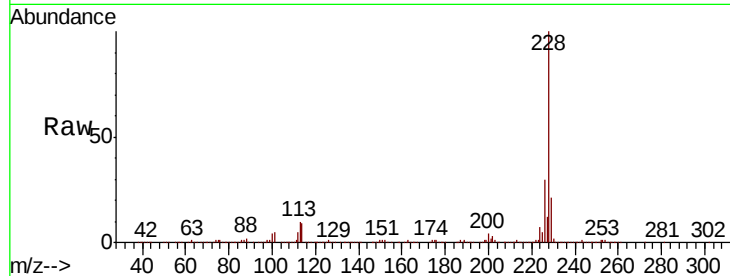
#83
Chrysene
Concen: 36.938 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampled :
CS-18DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	21.4	16.3	24.5

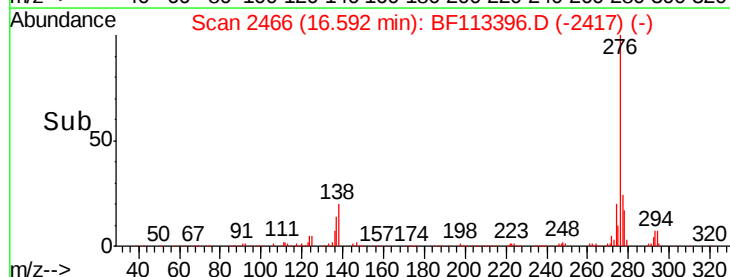
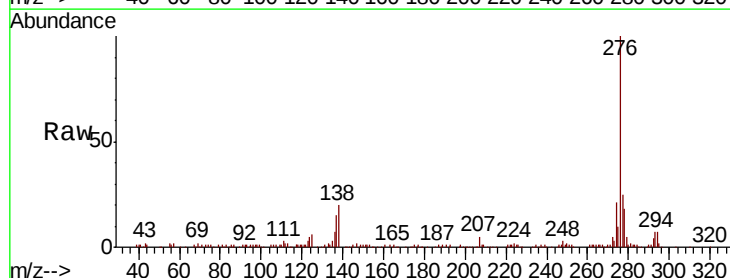
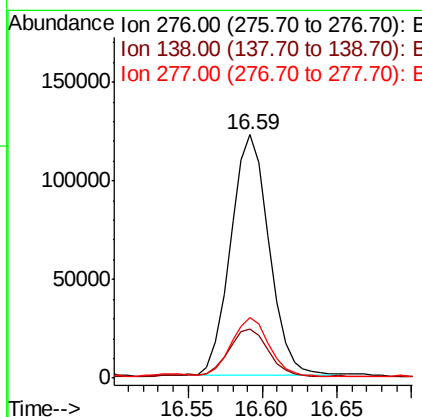
Manual Integrations
APPROVED

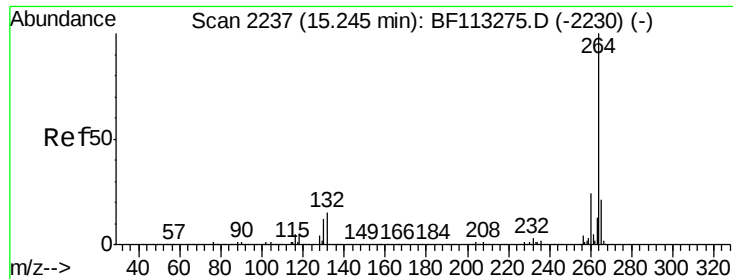
Sohil
3/29/2019 4:47:27 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 10.108 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	18.1	27.1
277	24.3	20.2	30.4





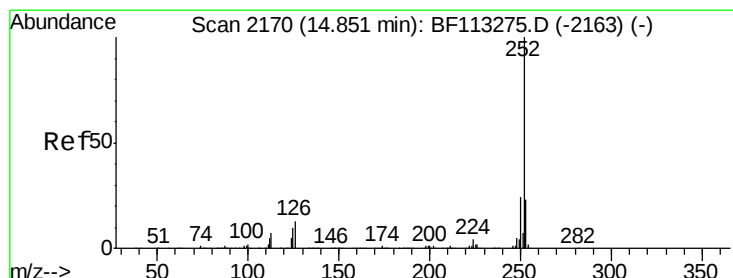
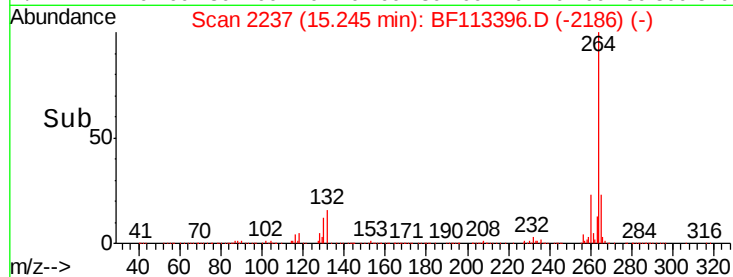
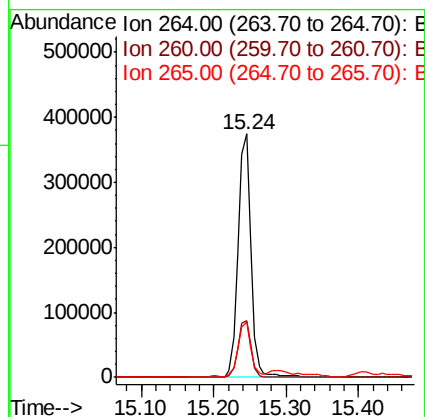
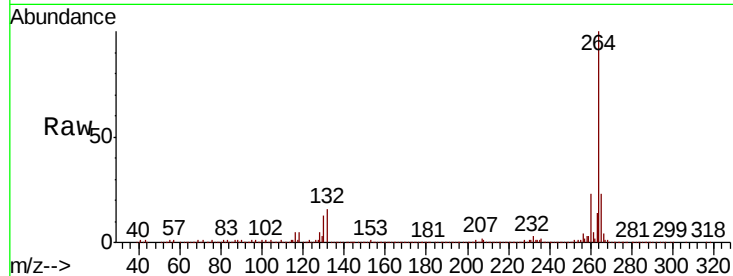
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampled :
CS-18DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	22.7	17.1	25.7

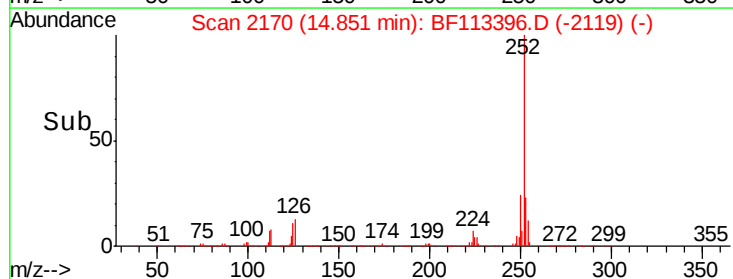
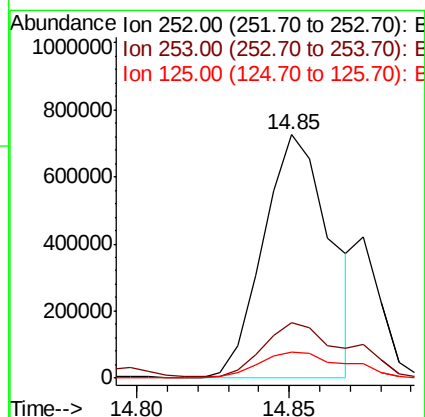
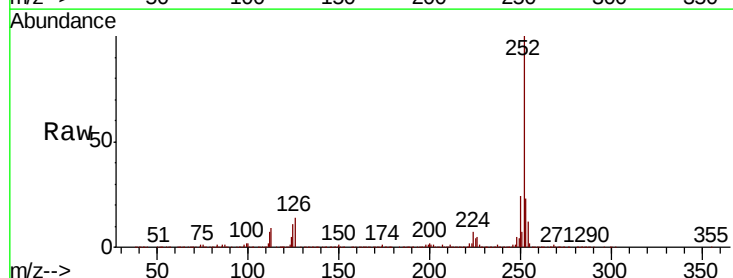
Manual Integrations
APPROVED

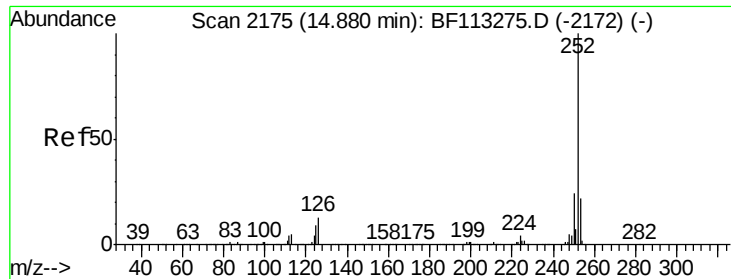
Sohil
3/29/2019 4:47:27 PM



#88
Benzo(b)fluoranthene
Concen: 38.456 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	10.9	7.6	11.4





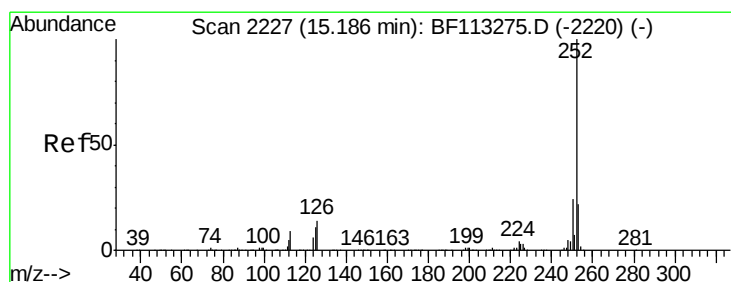
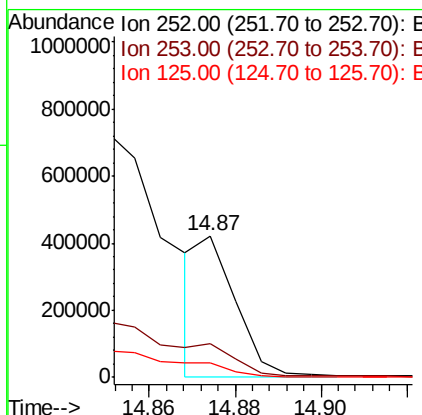
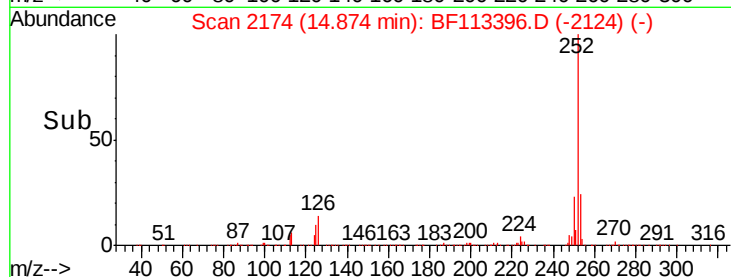
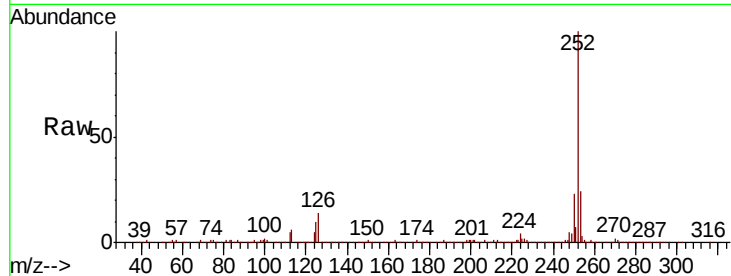
#89
Benzo(k)fluoranthene
Concen: 10.017 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampled :
CS-18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	10.0	7.3	10.9

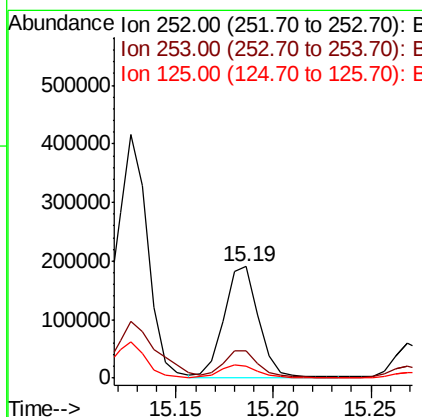
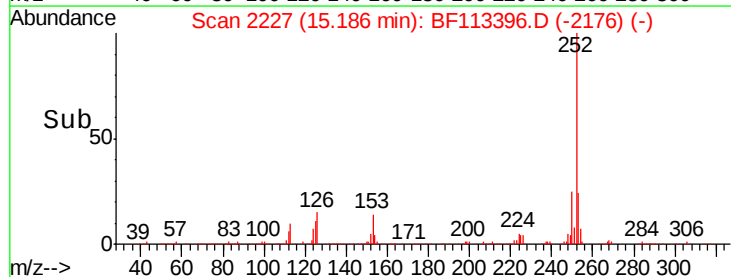
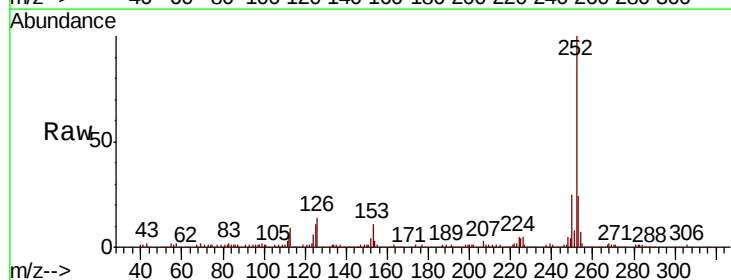
Manual Integrations
APPROVED

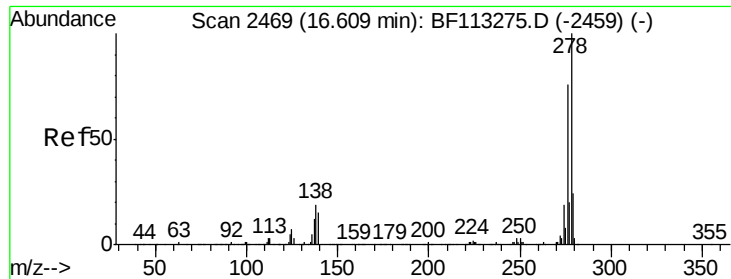
Sohil
3/29/2019 4:47:27 PM



#90
Benzo(a)pyrene
Concen: 9.045 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	11.1	8.8	13.2





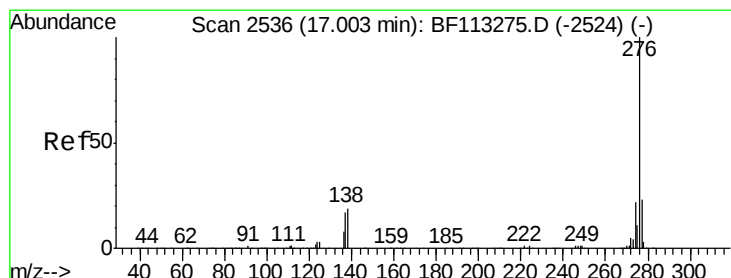
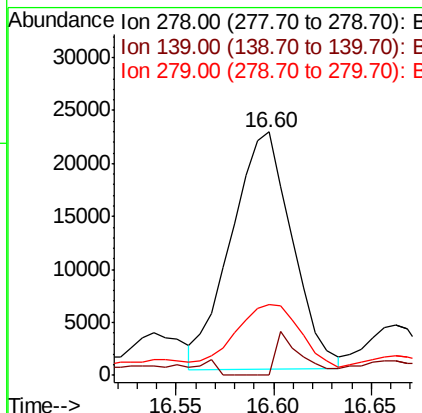
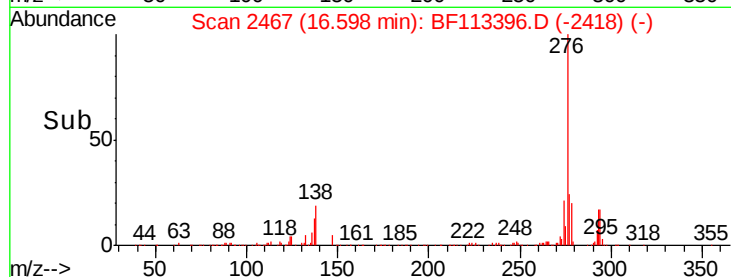
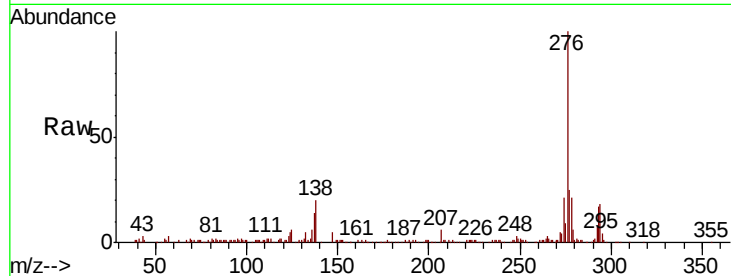
#91
Dibenzo(a,h)anthracene
Concen: 2.192 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Instrument :
BNA_F
ClientSampleId :
CS-18DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	28.8	19.0	28.6#

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:27 PM



#92
Benzo(g,h,i)perylene
Concen: 8.110 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF113396.D
Acq: 29 Mar 2019 3:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.8	28.2
138	20.5	15.6	23.4

