

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113465.D
 Acq On : 1 Apr 2019 14:35
 Operator : JU/SJ
 Sample : K2056-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-7

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:49:13 PM

Quant Time: Apr 02 03:00:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 01 14:33:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	128031	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	485557	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	236913	20.00	ng	-0.01
64) Phenanthrene-d10	11.22	188	492894	20.00	ng	0.00
76) Chrysene-d12	13.84	240	383486	20.00	ng	0.00
87) Perylene-d12	15.26	264	416958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	666813	85.16	ng	0.00
7) Phenol-d6	6.35	99	898071	90.66	ng	-0.01
23) Nitrobenzene-d5	7.27	82	532604	65.11	ng	-0.01
42) 2,4,6-Tribromophenol	10.52	330	241632	82.57	ng	-0.01
45) 2-Fluorobiphenyl	9.06	172	1068092	66.91	ng	0.00
79) Terphenyl-d14	12.80	244	1251833	71.95	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.60	152	142837	5.799	ng	98
50) Dimethylphthalate	9.46	163	79451	4.525	ng	99
71) Phenanthrene	11.24	178	131078	5.355	ng	97
72) Anthracene	11.29	178	202379	8.140	ng	97
73) Carbazole	11.45	167	127131	5.359	ng	98
75) Fluoranthene	12.43	202	1143180	41.313	ng	100
78) Pyrene	12.65	202	1176989	44.291	ng	99
81) Benzo(a)anthracene	13.84	228	633928m	28.879	ng	
83) Chrysene	13.87	228	901525	40.433	ng	99
86) Indeno(1,2,3-cd)pyrene	16.62	276	514388	26.881	ng	95
88) Benzo(b)fluoranthene	14.86	252	1429933m	55.207	ng	
89) Benzo(k)fluoranthene	14.89	252	363356m	15.974	ng	
90) Benzo(a)pyrene	15.20	252	522127	22.738	ng	97
91) Dibenzo(a,h)anthracene	16.62	278	128755m	6.485	ng	
92) Benzo(g,h,i)perylene	17.03	276	467983	23.377	ng	99

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

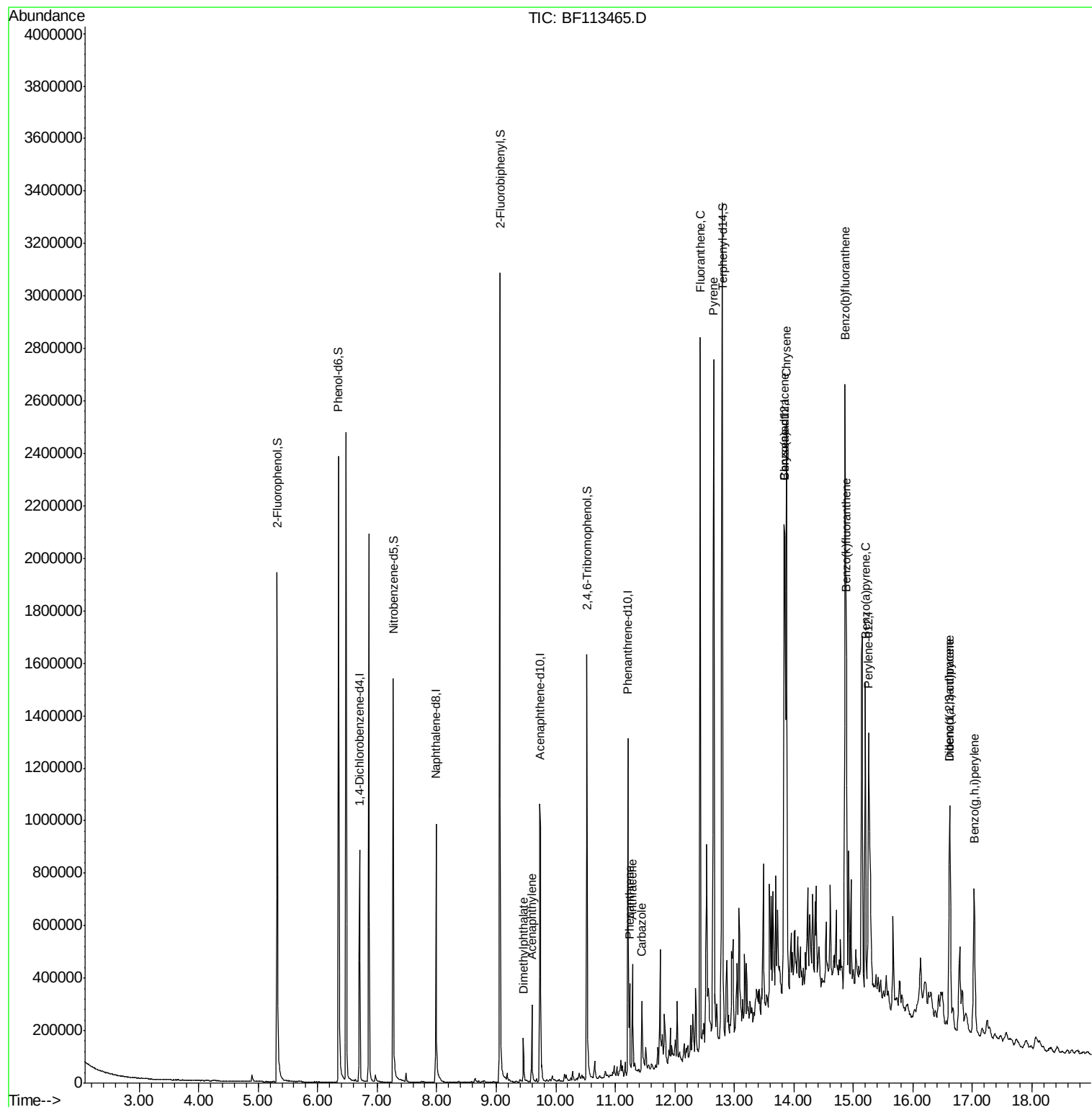
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113465.D
Acq On : 1 Apr 2019 14:35
Operator : JU/SJ
Sample : K2056-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

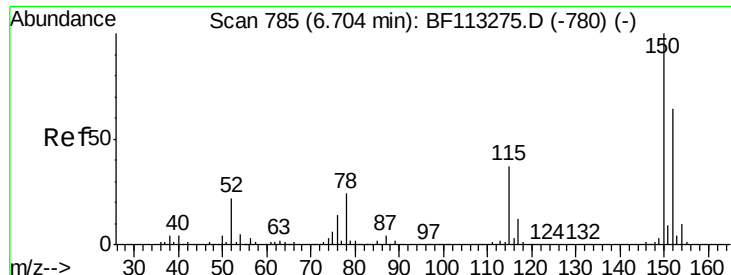
Instrument :
BNA_F
ClientSampleId :
CS-7

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:13 PM

Quant Time: Apr 02 03:00:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 01 14:33:20 2019
Response via : Initial Calibration





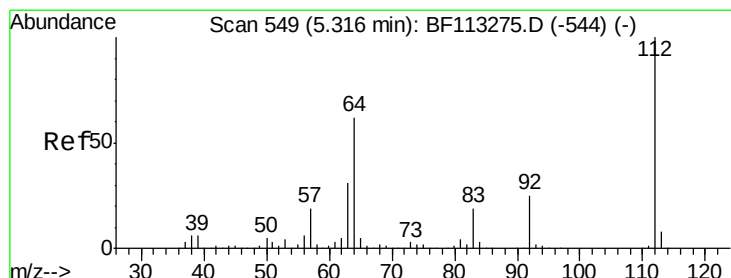
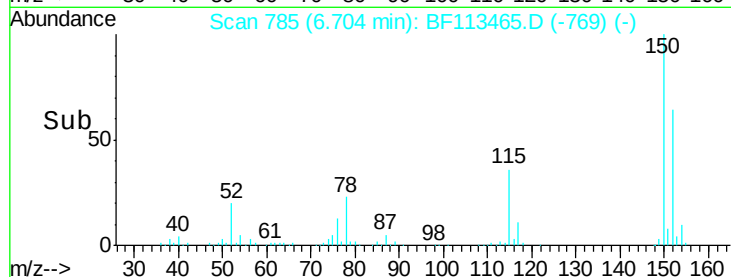
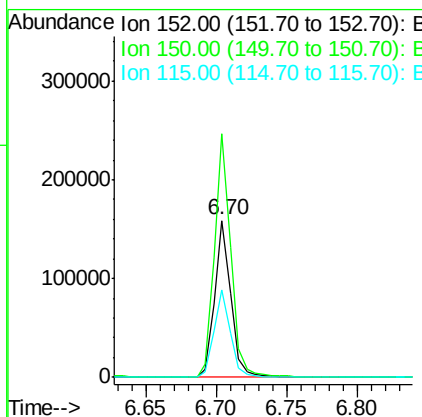
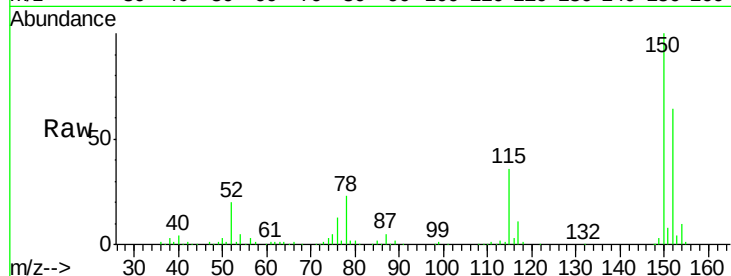
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Instrument :
 BNA_F
 ClientSampleId :
 CS-7

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128031		
150	155.4	123.6	185.4	
115	55.9	45.8	68.6	

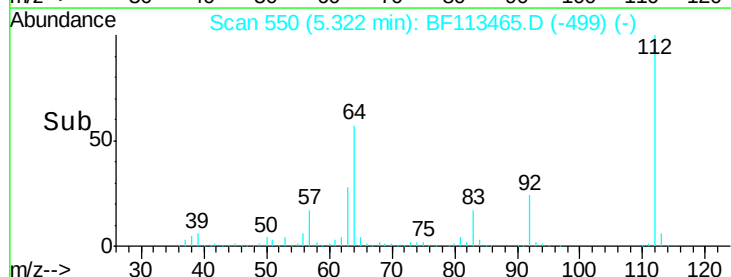
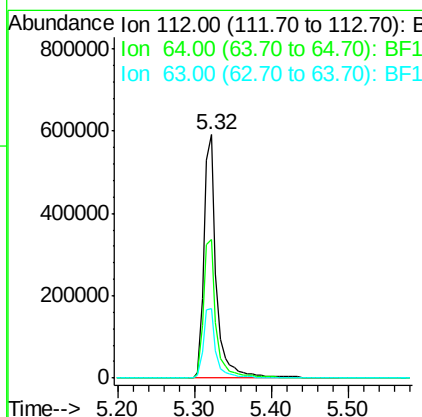
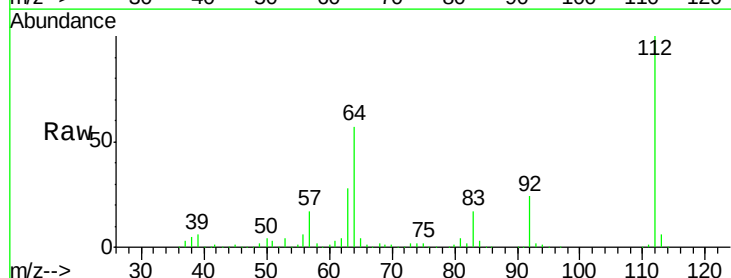
Manual Integrations
 APPROVED

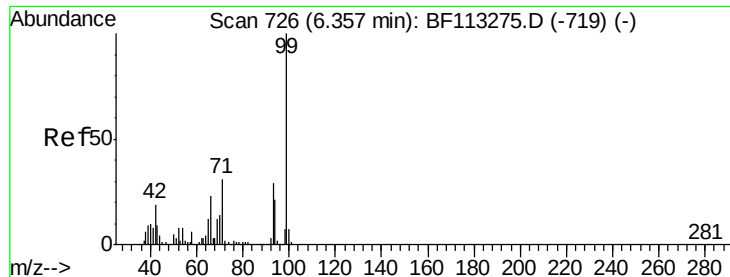
Sohil
 4/2/2019 3:49:13 PM



#5
 2-Fluorophenol
 Concen: 85.161 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	666813		
64	56.7	47.7	71.5	
63	28.5	23.8	35.6	





#7

Phenol-d6

Concen: 90.664 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Instrument :

BNA_F

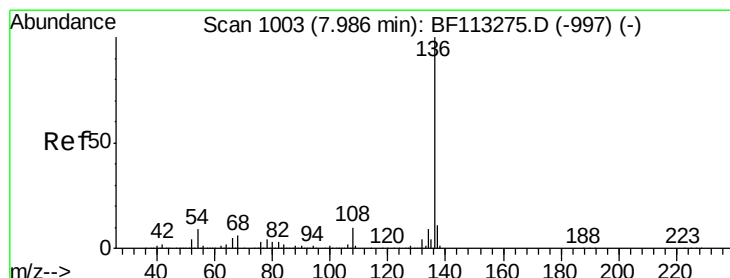
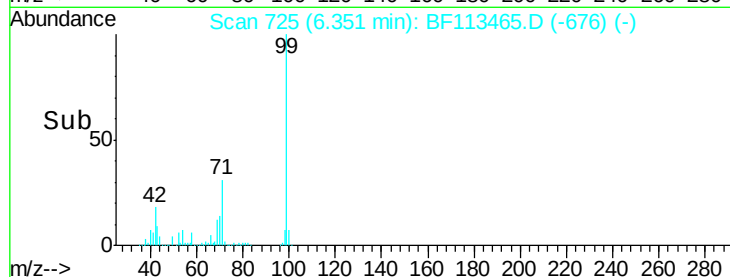
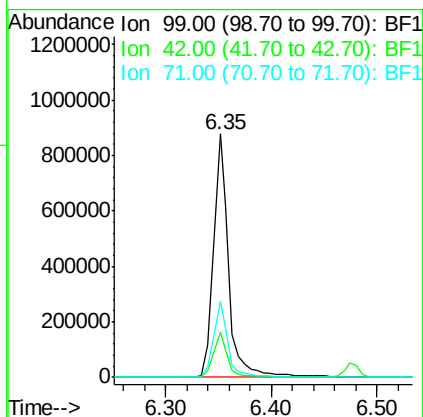
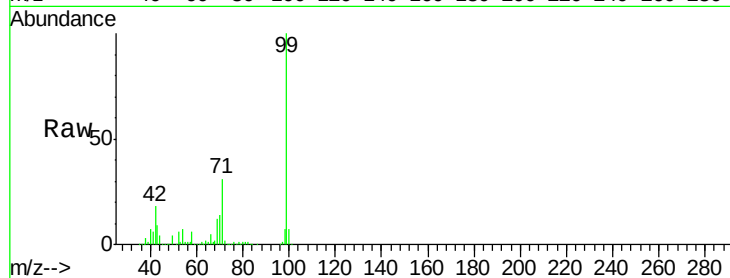
ClientSampled :

CS-7

Tgt Ion:	99	Resp:	898071
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.4	21.6
71	31.0	25.0	37.6

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:13 PM



#21

Naphthalene-d8

Concen: 20.000 ng

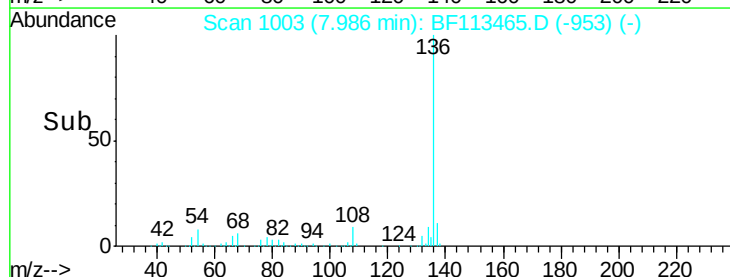
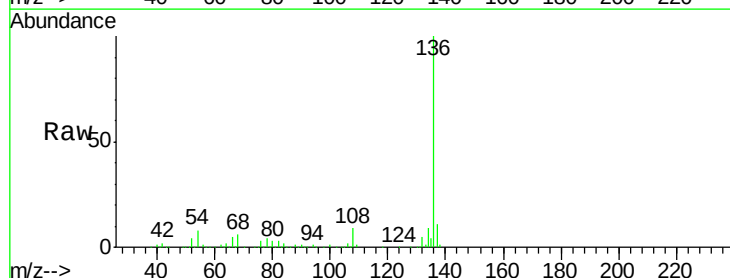
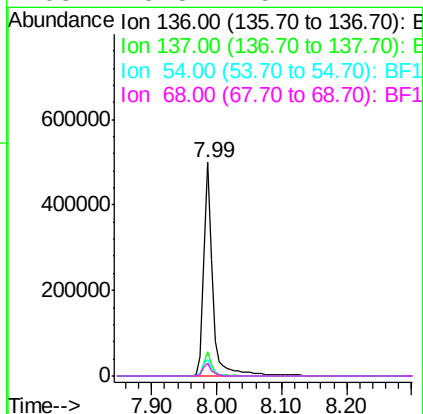
RT: 7.99 min Scan# 1003

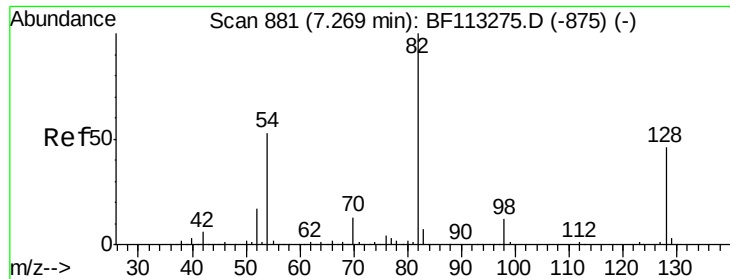
Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Tgt Ion:	136	Resp:	485557
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	7.9	6.9	10.3
68	5.8	5.1	7.7





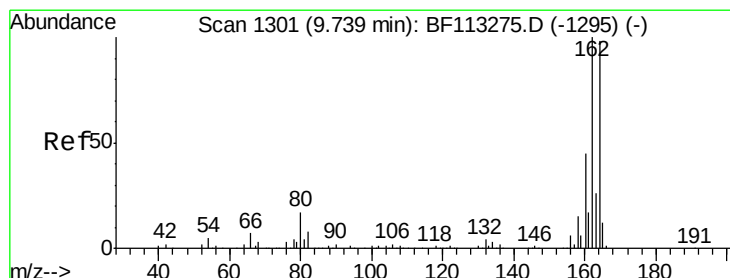
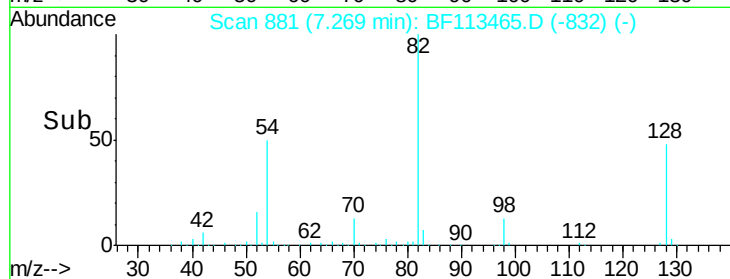
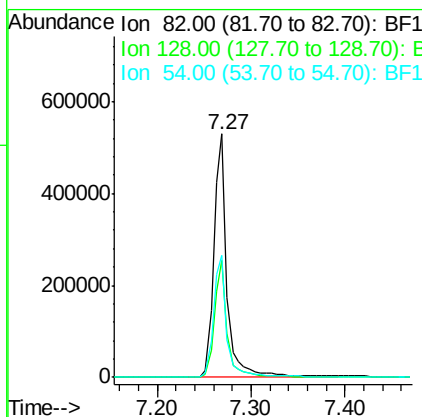
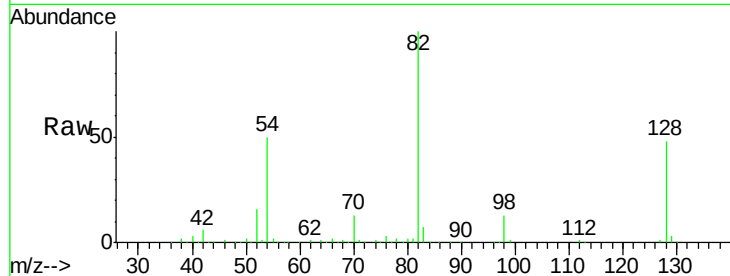
#23
 Nitrobenzene-d5
 Concen: 65.105 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Instrument :
 BNA_F
 ClientSampled :
 CS-7

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	532604		
128	48.1	37.9	56.9	
54	50.2	41.9	62.9	

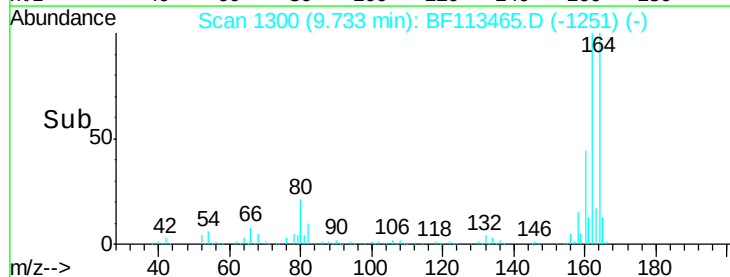
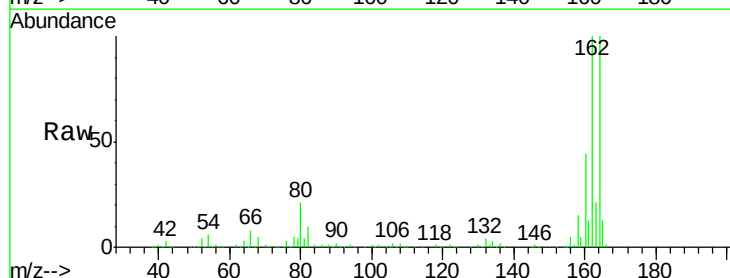
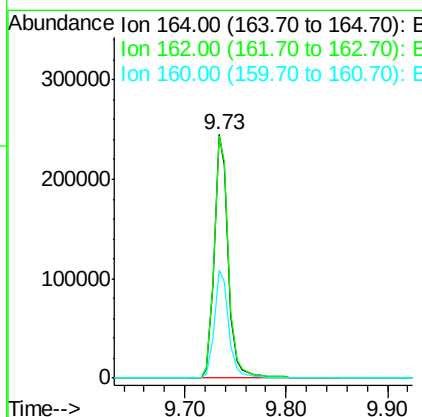
Manual Integrations
 APPROVED

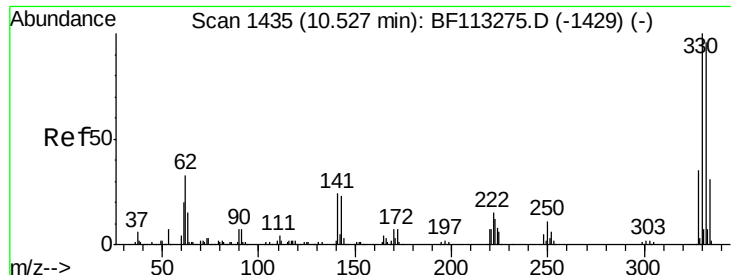
Sohil
 4/2/2019 3:49:13 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236913		
162	99.7	79.7	119.5	
160	44.2	35.9	53.9	





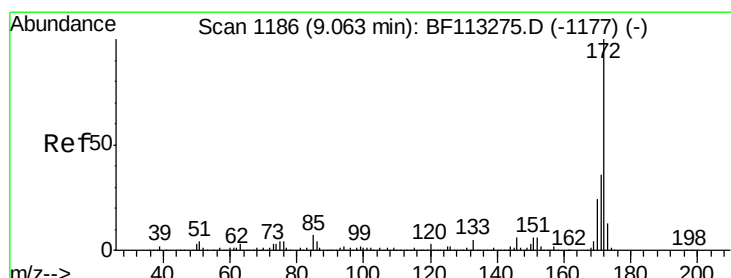
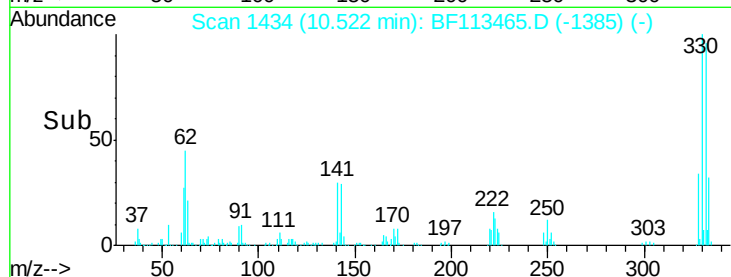
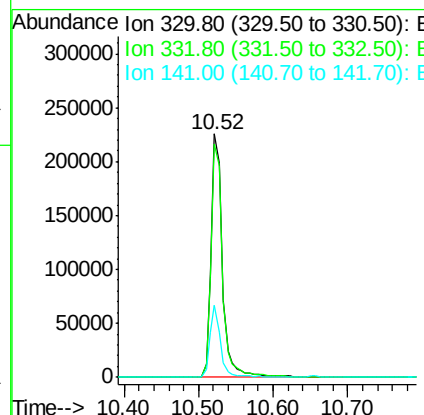
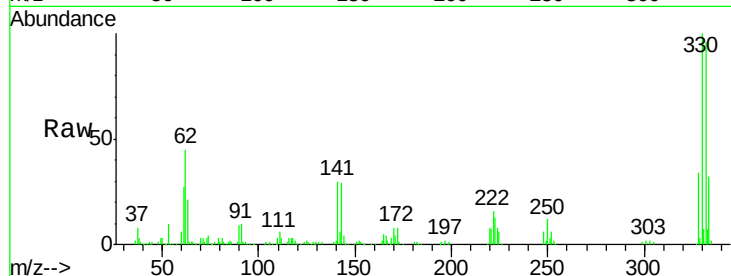
#42
 2,4,6-Tribromophenol
 Concen: 82.569 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Instrument :
 BNA_F
 ClientSampleId :
 CS-7

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	241632		
332	97.2	77.7	116.5	
141	28.2	21.4	32.2	

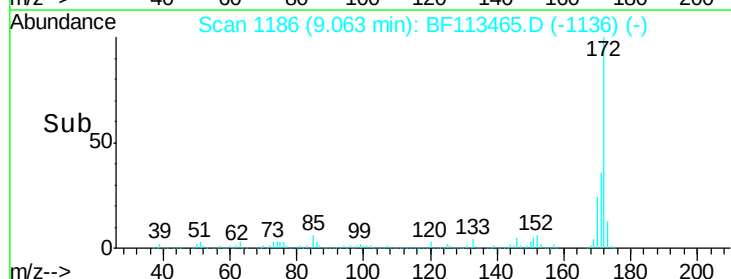
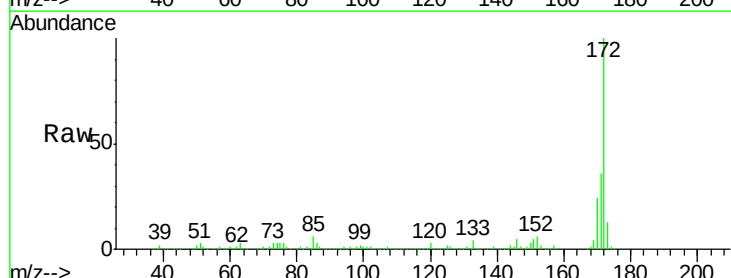
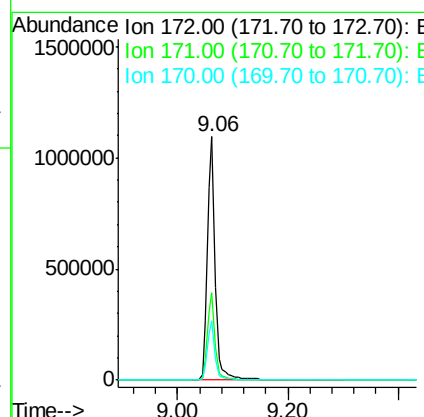
Manual Integrations
 APPROVED

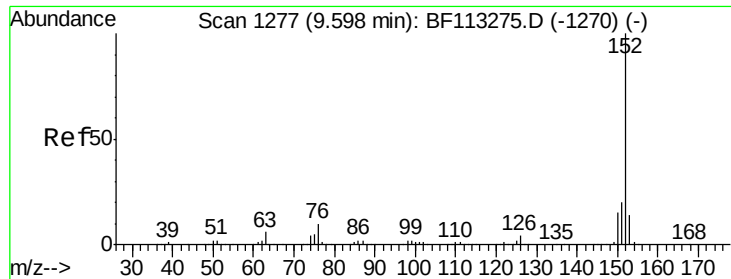
Sohil
 4/2/2019 3:49:13 PM



#45
 2-Fluorobiphenyl
 Concen: 66.909 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1068092		
171	35.8	29.0	43.6	
170	24.5	19.8	29.6	





#49

Acenaphthylene

Concen: 5.799 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Instrument :

BNA_F

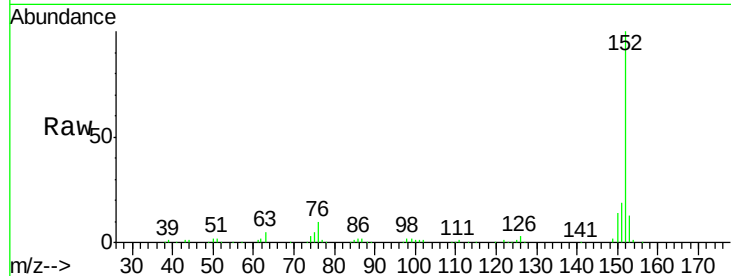
ClientSampleId :

CS-7

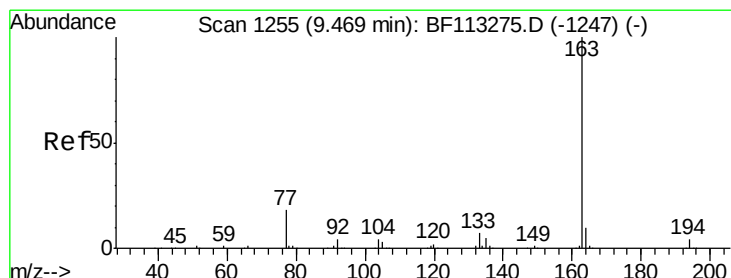
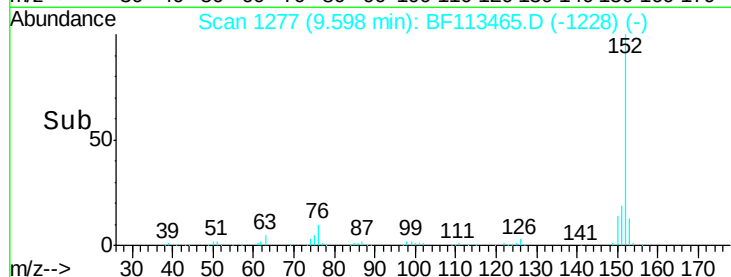
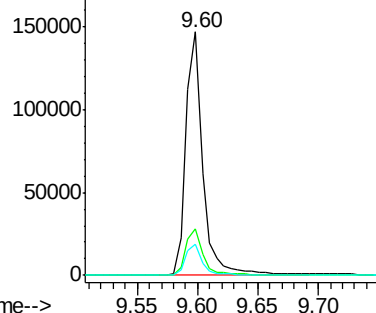
Tgt Ion:	152	Resp:	142837
Ion Ratio		Lower	Upper
152	100		
151	19.2	16.5	24.7
153	12.9	10.8	16.2

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:13 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.525 ng

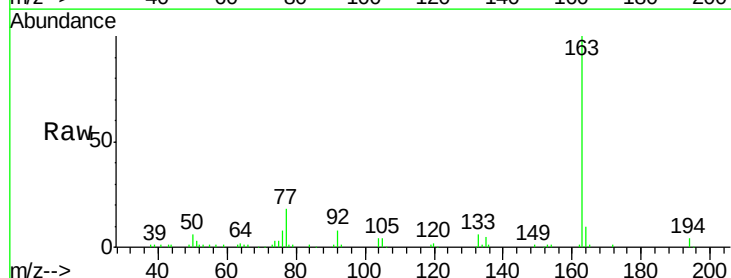
RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

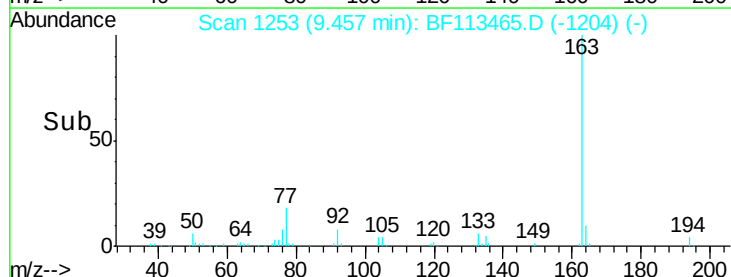
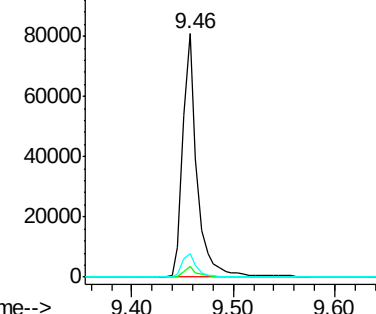
Lab File: BF113465.D

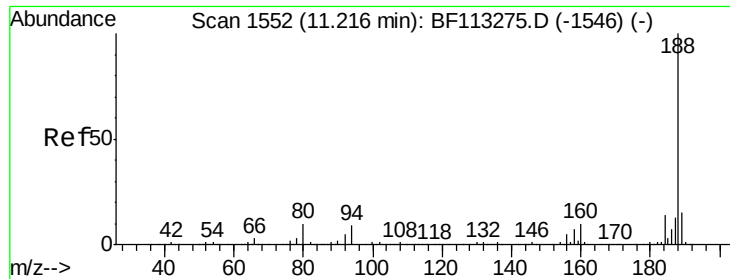
Acq: 1 Apr 2019 14:35

Tgt Ion:	163	Resp:	79451
Ion Ratio		Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.9	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





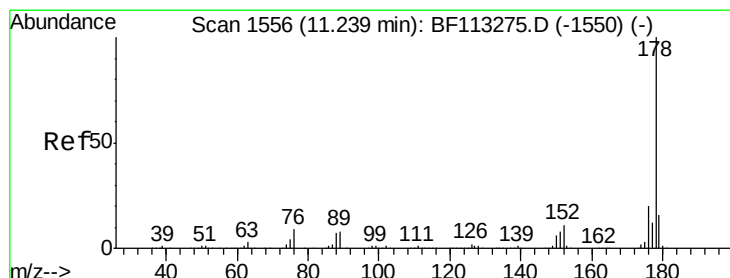
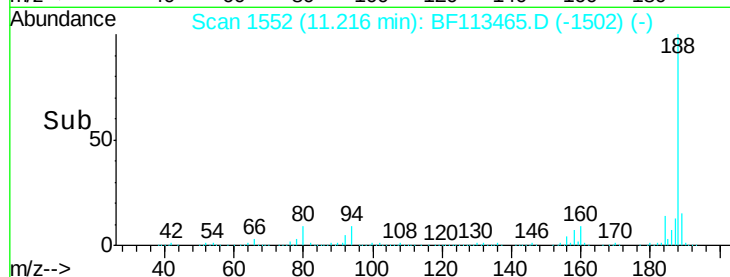
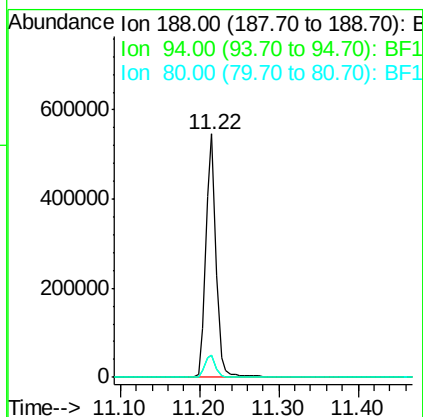
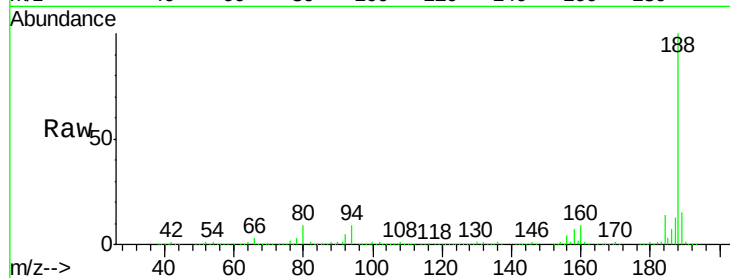
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Instrument :
 BNA_F
 ClientSampled :
 CS-7

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	492894		
94	9.0	7.8	11.6	
80	9.1	8.2	12.2	

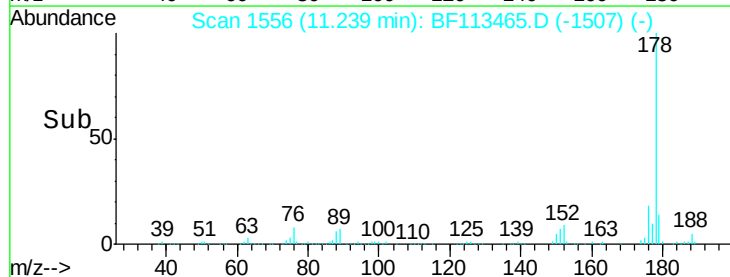
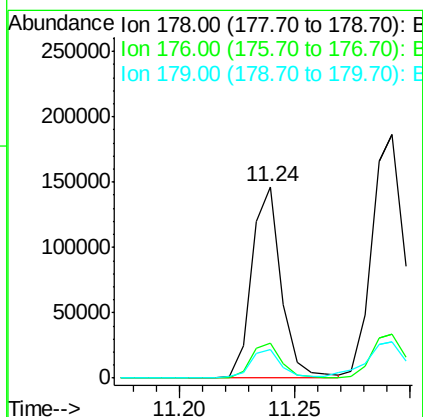
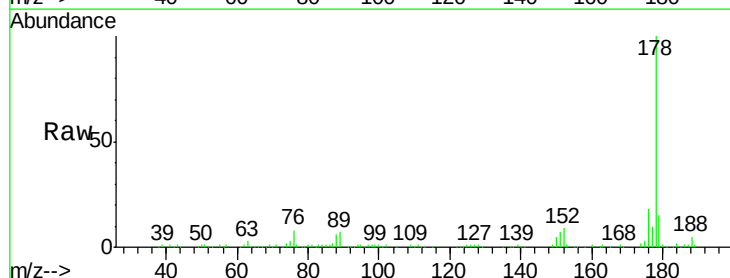
Manual Integrations
 APPROVED

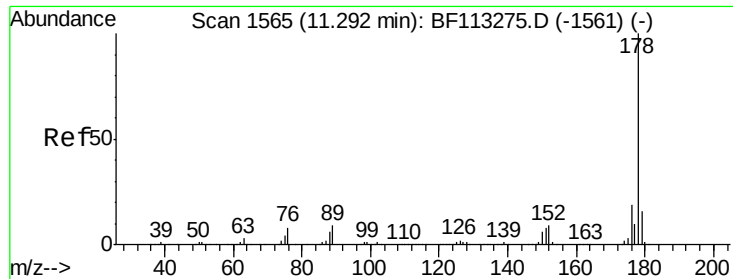
Sohil
 4/2/2019 3:49:13 PM



#71
 Phenanthrene
 Concen: 5.355 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	131078		
176	18.3	16.1	24.1	
179	14.6	12.6	19.0	





#72

Anthracene

Concen: 8.140 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Instrument :

BNA_F

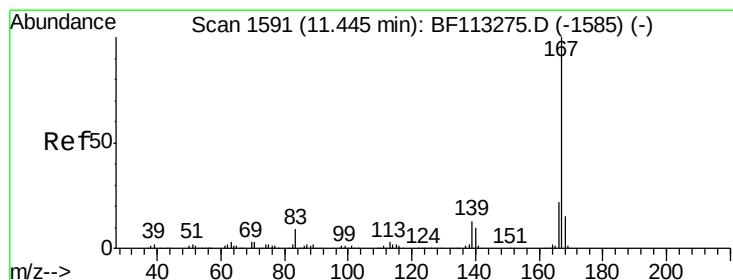
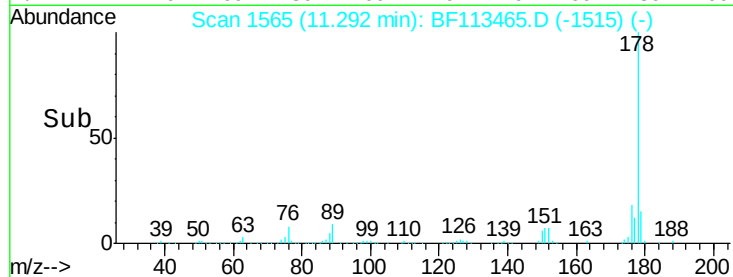
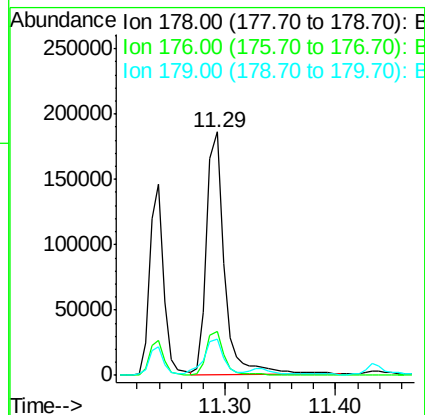
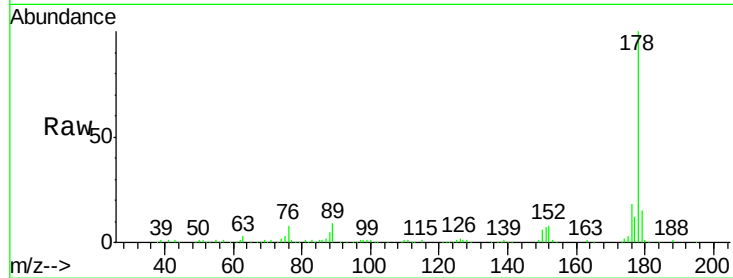
ClientSampled :

CS-7

Tgt Ion:	178	Resp:	202379
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.5	23.3
179	14.9	12.9	19.3

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:13 PM



#73

Carbazole

Concen: 5.359 ng

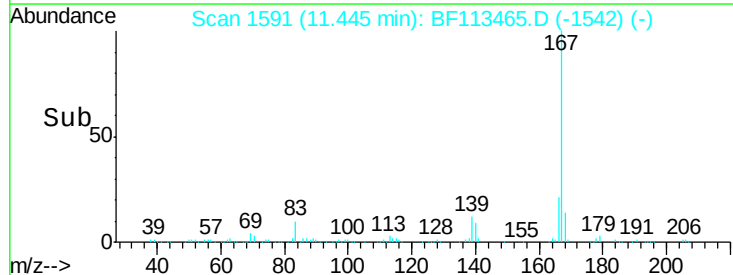
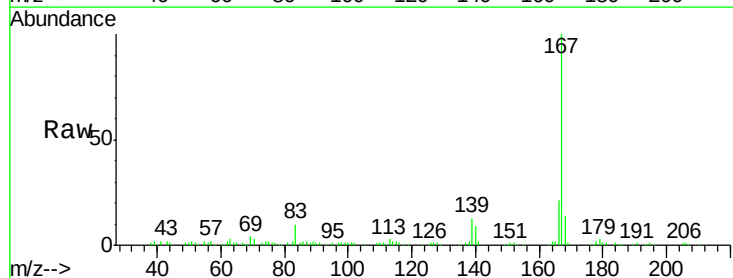
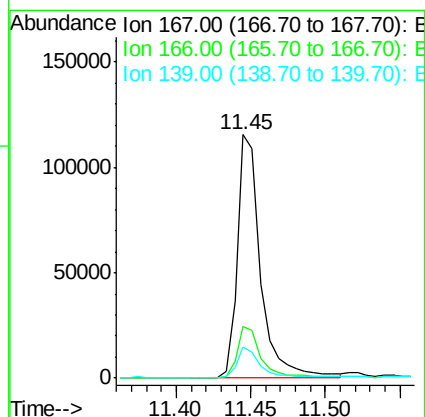
RT: 11.45 min Scan# 1591

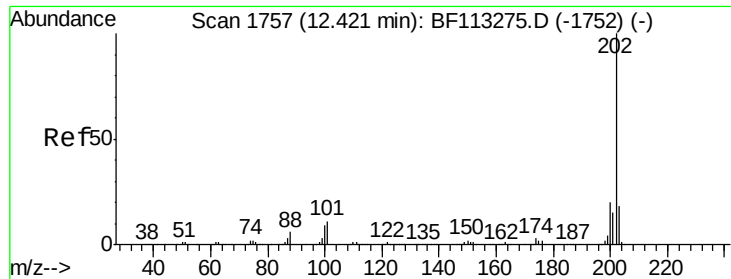
Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Tgt Ion:	167	Resp:	127131
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.8	26.8
139	12.6	10.2	15.2





#75

Fluoranthene

Concen: 41.313 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Instrument :

BNA_F

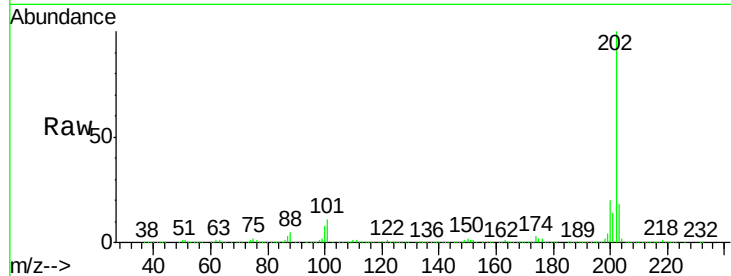
ClientSampleId :

CS-7

Tgt Ion:	202	Resp:	1143180
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.9
203	18.0	0.0	38.2

Manual Integrations
APPROVED

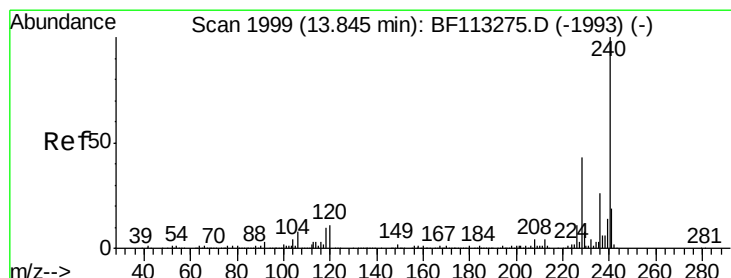
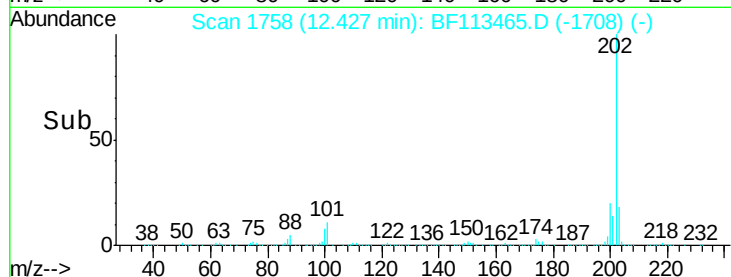
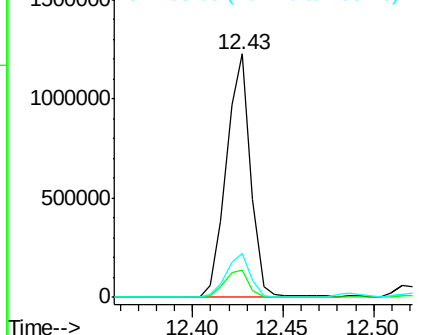
Sohil
4/2/2019 3:49:13 PM



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF113465.D

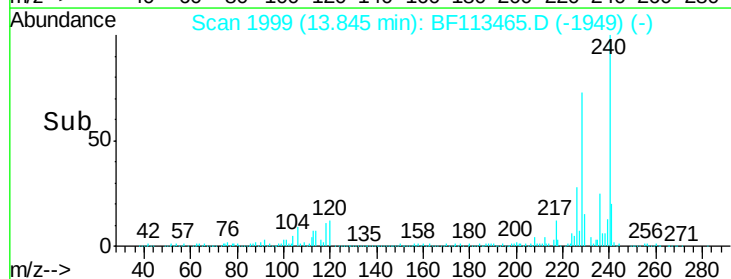
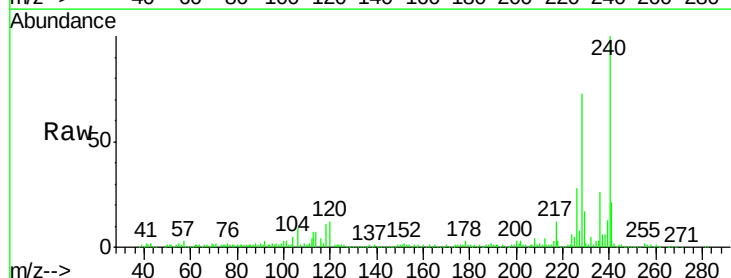
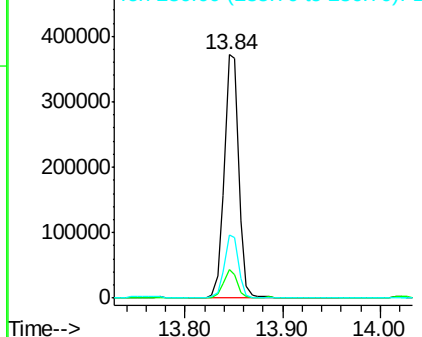
Acq: 1 Apr 2019 14:35

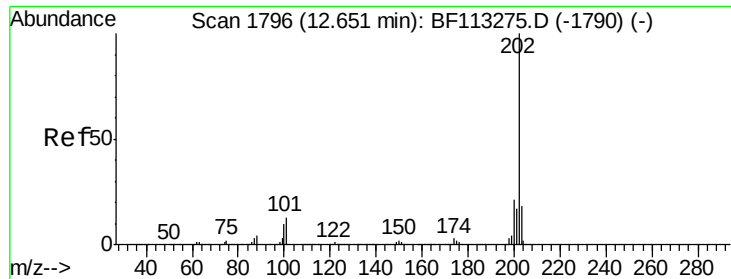
Tgt Ion:	240	Resp:	383486
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.7	14.5
236	25.8	20.9	31.3

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





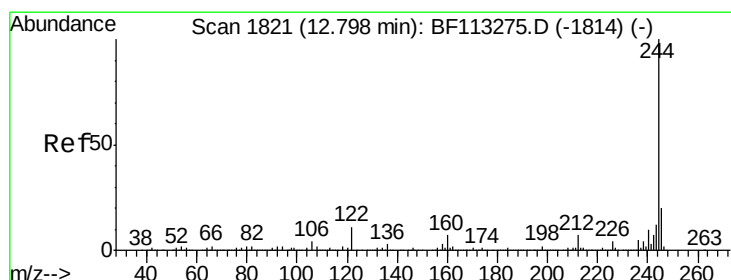
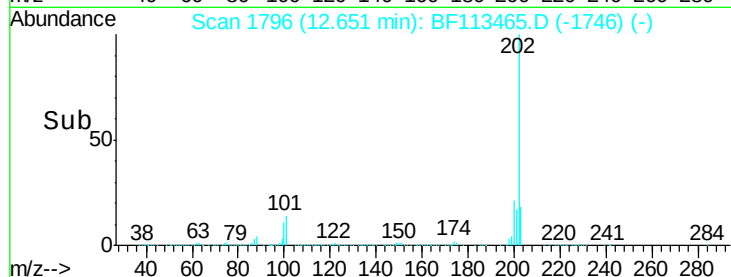
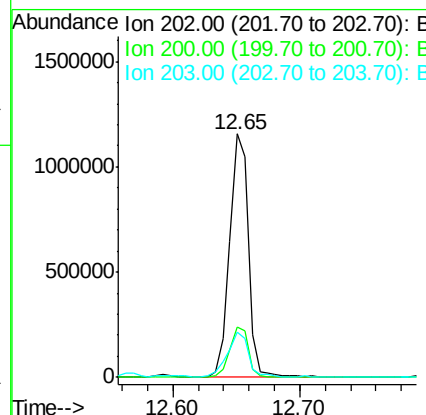
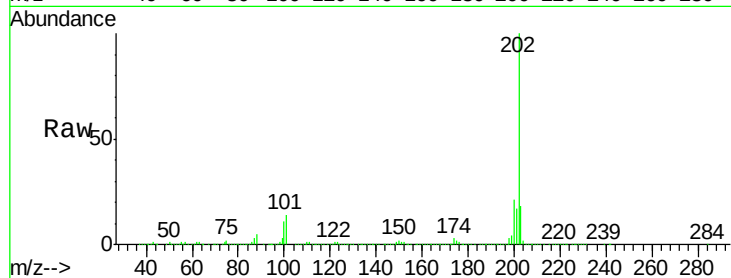
#78
 Pyrene
 Concen: 44.291 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Instrument :
 BNA_F
 ClientSampled :
 CS-7

Tgt Ion:202 Resp: 1176989
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 18.4 14.7 22.1

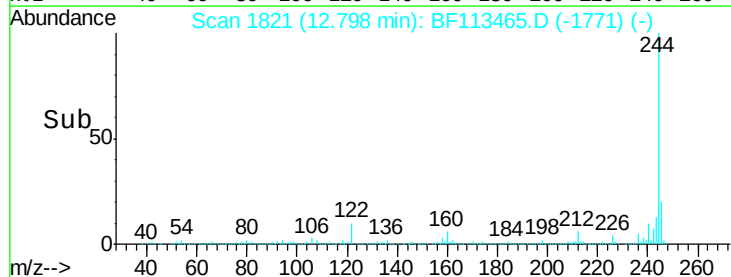
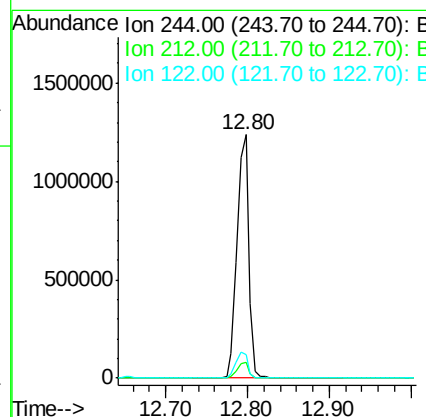
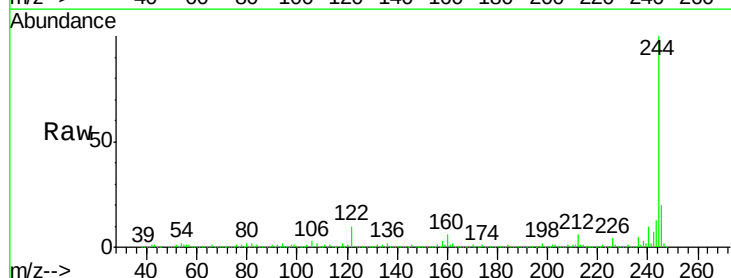
Manual Integrations
 APPROVED

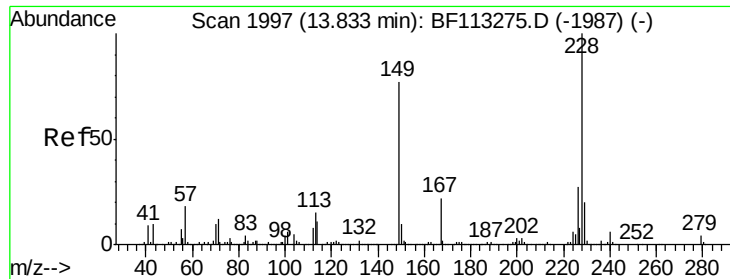
Sohil
 4/2/2019 3:49:13 PM



#79
 Terphenyl-d14
 Concen: 71.952 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Tgt Ion:244 Resp: 1251833
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.8 8.7 13.1





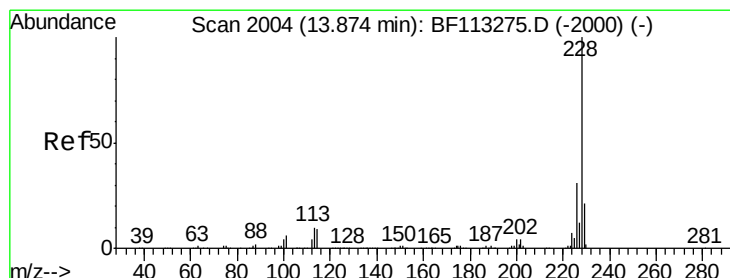
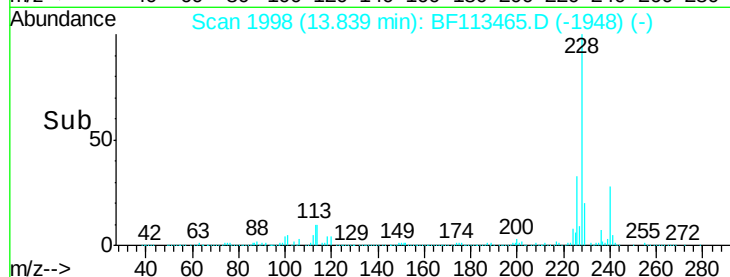
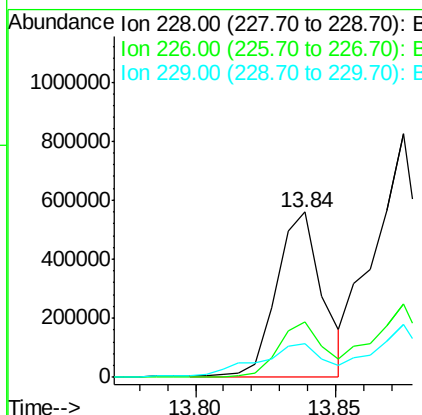
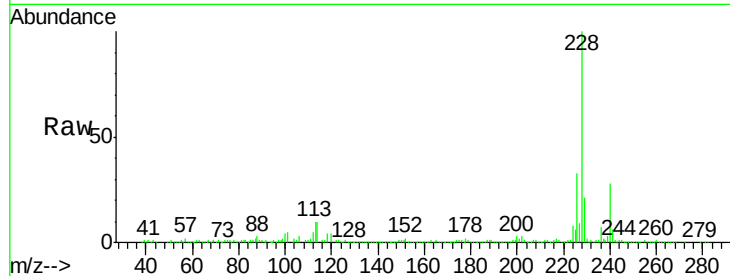
#81
Benzo(a)anthracene
Concen: 28.879 ng m
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113465.D
Acq: 1 Apr 2019 14:35

Instrument :
BNA_F
ClientSampled :
CS-7

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.0	33.0#
229	20.6	16.0	24.0

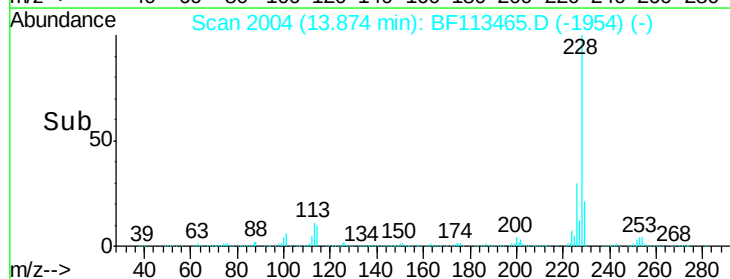
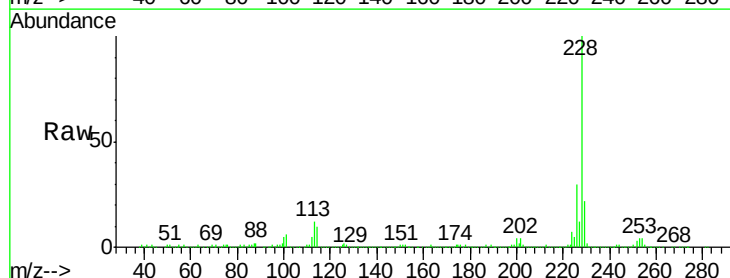
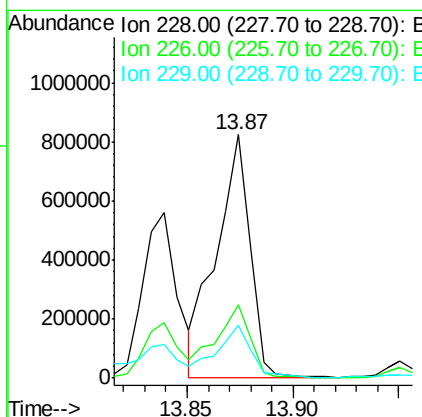
Manual Integrations
APPROVED

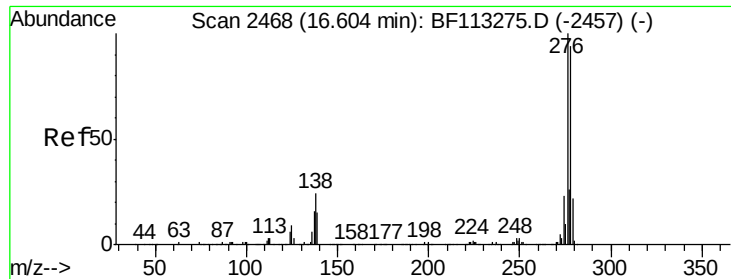
Sohil
4/2/2019 3:49:13 PM



#83
Chrysene
Concen: 40.433 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF113465.D
Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	21.6	16.2	24.2





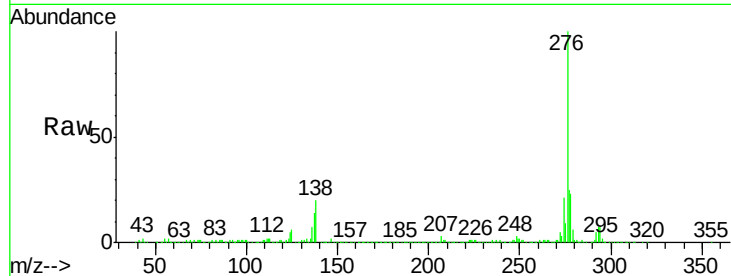
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 26.881 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. -0.01 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Instrument :
 BNA_F
 ClientSampled :
 CS-7

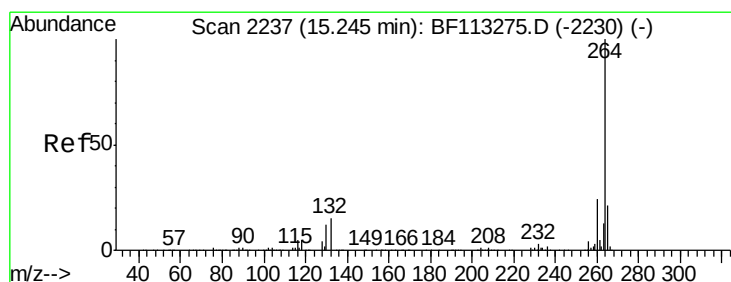
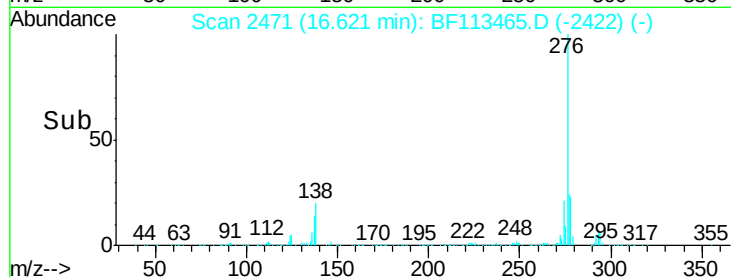
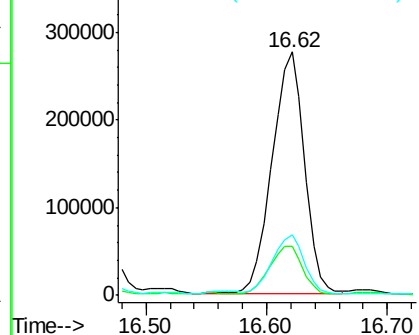
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.3	28.9
277	23.3	20.0	30.0

Manual Integrations
 APPROVED

Sohil
 4/2/2019 3:49:13 PM

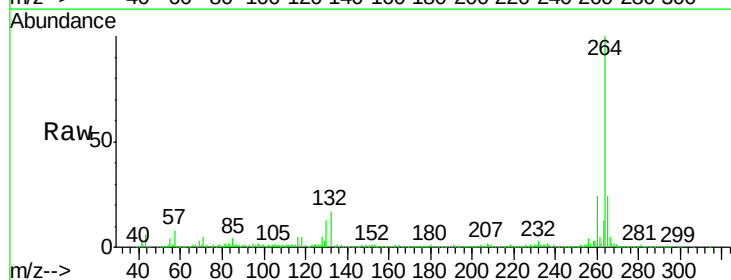


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

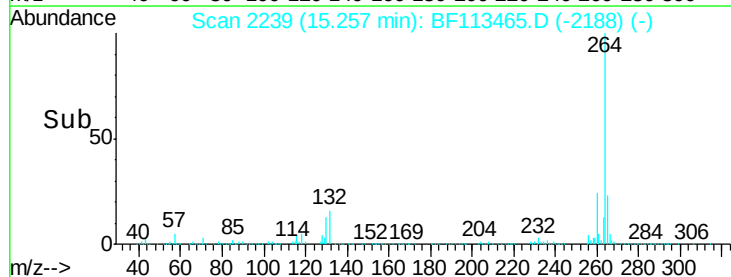
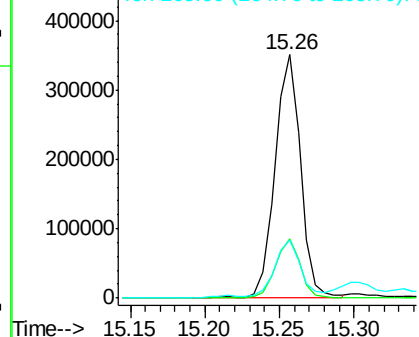


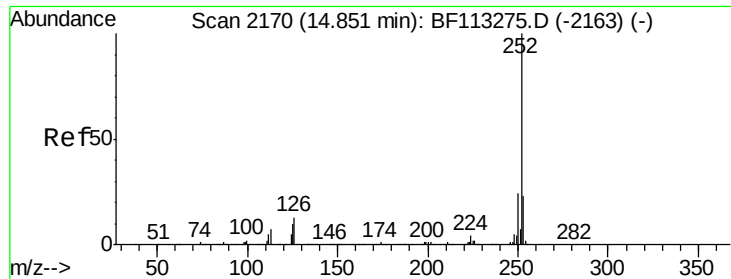
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: BF113465.D
 Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	23.6	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





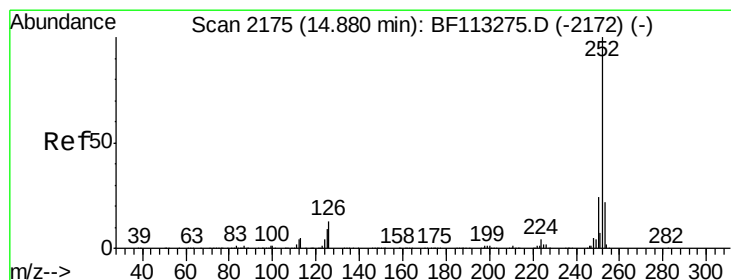
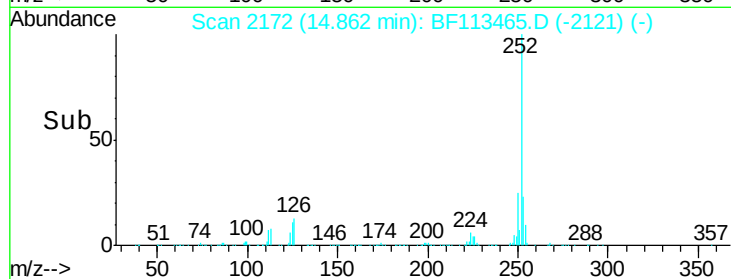
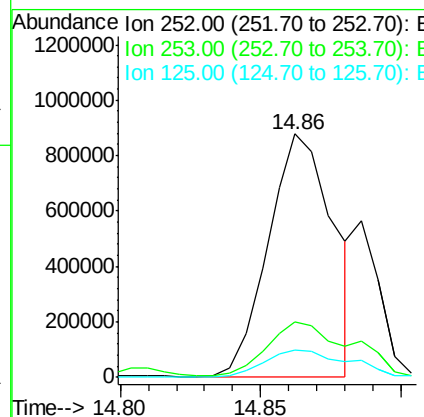
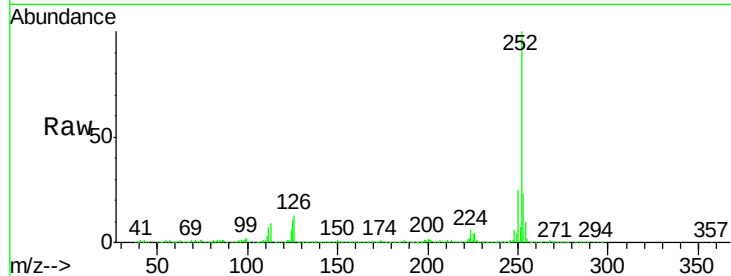
#88
Benzo(b)fluoranthene
Concen: 55.207 ng m
RT: 14.86 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BF113465.D
Acq: 1 Apr 2019 14:35

Instrument :
BNA_F
ClientSampled :
CS-7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	11.2	8.2	12.2

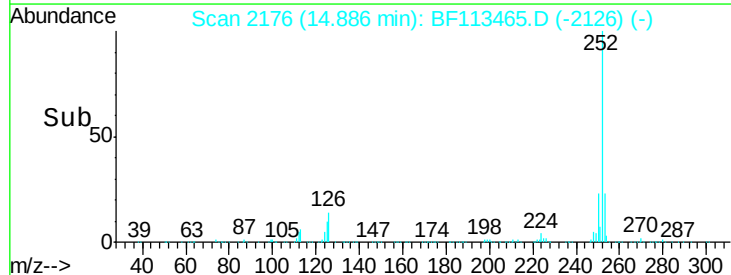
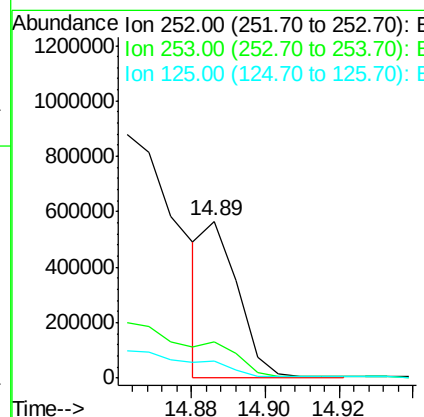
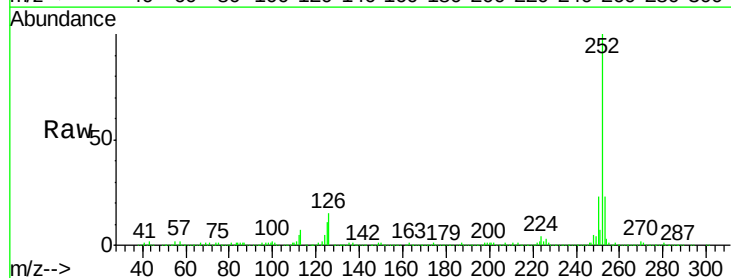
Manual Integrations
APPROVED

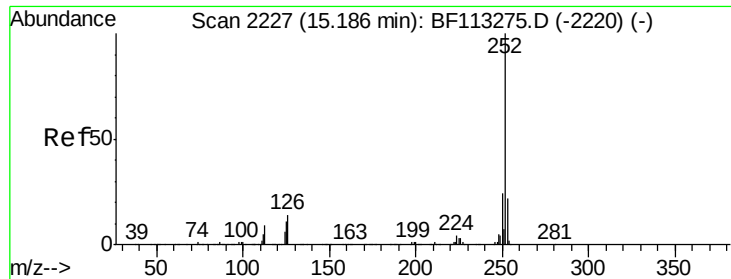
Sohil
4/2/2019 3:49:13 PM



#89
Benzo(k)fluoranthene
Concen: 15.974 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BF113465.D
Acq: 1 Apr 2019 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.7	7.3	10.9





#90

Benzo(a)pyrene

Concen: 22.738 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Instrument :

BNA_F

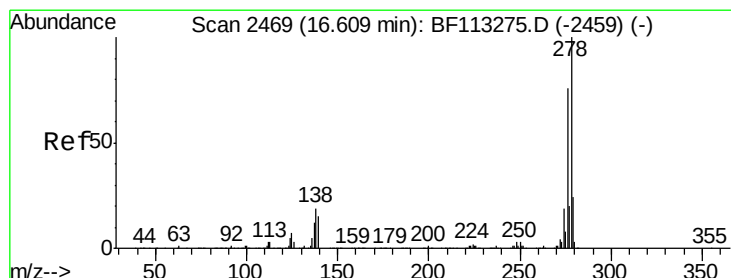
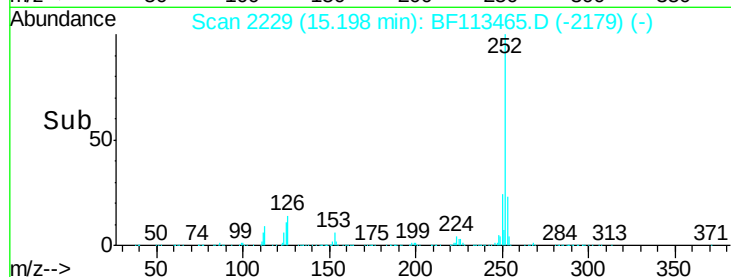
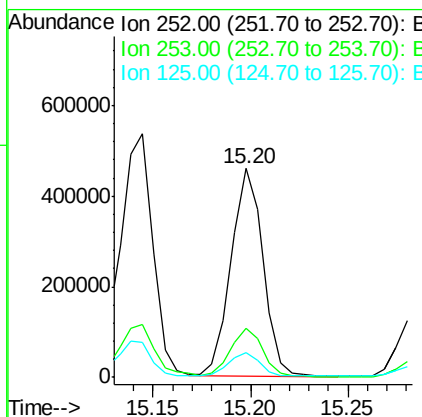
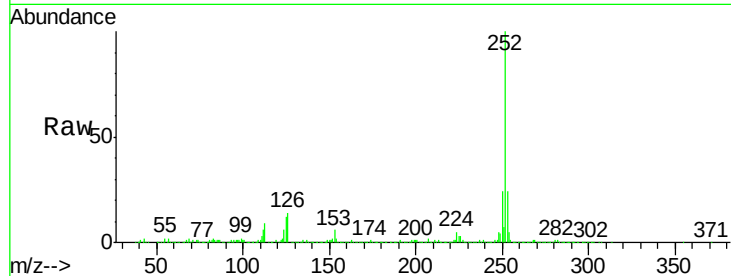
ClientSampled :

CS-7

Tgt Ion:	252	Resp:	522127
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.6	26.4
125	11.7	8.4	12.6

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:13 PM



#91

Dibenzo(a,h)anthracene

Concen: 6.485 ng m

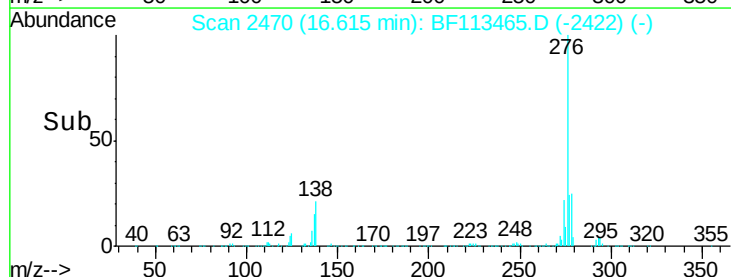
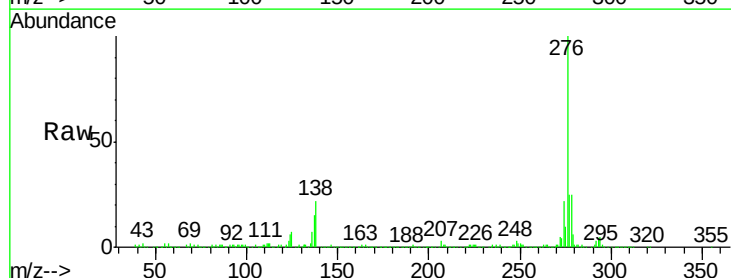
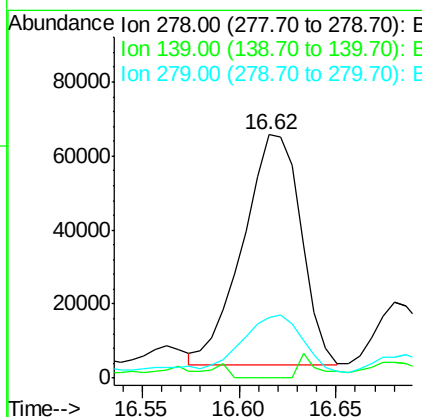
RT: 16.62 min Scan# 2470

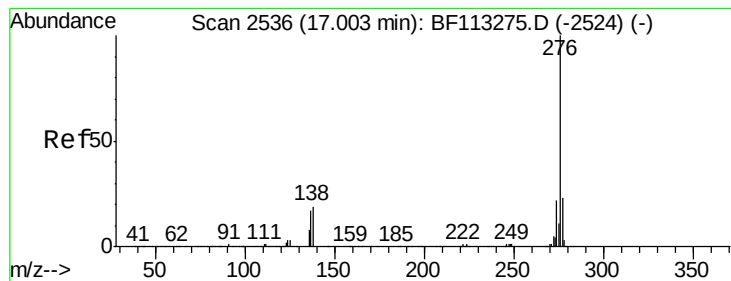
Delta R.T. -0.02 min

Lab File: BF113465.D

Acq: 1 Apr 2019 14:35

Tgt Ion:	278	Resp:	128755
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.6	18.8#
279	24.8	19.3	28.9





#92

Benzo(g,h,i)perylene

Concen: 23.377 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF113465.D

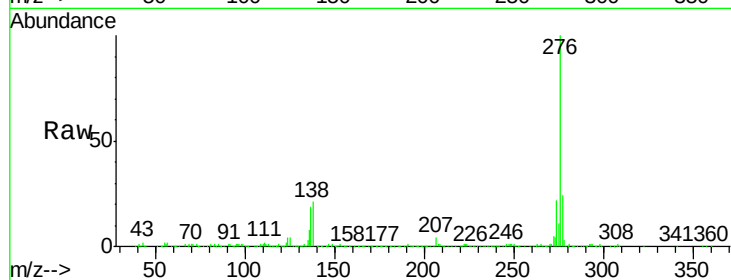
Acq: 1 Apr 2019 14:35

Instrument :

BNA_F

ClientSampleId :

CS-7



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	21.1	17.0	25.6

Manual Integrations
APPROVED

Sohil
4/2/2019 3:49:13 PM

