

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113341.D
 Acq On : 27 Mar 2019 20:07
 Operator : JU/SJ
 Sample : K2097-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-6

Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:41:20 AM

Quant Time: Mar 28 04:16:47 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	180772	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	678743	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	318033	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	592424	20.00	ng	0.00
76) Chrysene-d12	13.83	240	426642	20.00	ng	-0.01
87) Perylene-d12	15.24	264	438347	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	956182	86.49	ng	0.00
7) Phenol-d6	6.35	99	1238175	88.53	ng	0.00
23) Nitrobenzene-d5	7.26	82	763691	66.78	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	332780	84.71	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1424841	66.35	ng	0.00
79) Terphenyl-d14	12.79	244	1284301	66.35	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.45	163	98019	4.159	ng	99
71) Phenanthrene	11.23	178	431062	14.652	ng	98
72) Anthracene	11.29	178	80645	2.699	ng	100
73) Carbazole	11.44	167	85452	2.997	ng	98
75) Fluoranthene	12.42	202	1152218	34.644	ng	99
78) Pyrene	12.64	202	874109	29.566	ng	99
81) Benzo(a)anthracene	13.82	228	138689	5.679	ng	94
83) Chrysene	13.86	228	486002	19.592	ng	99
86) Indeno(1,2,3-cd)pyrene	16.58	276	125668	5.903	ng	98
88) Benzo(b)fluoranthene	14.84	252	506767m	18.611	ng	
89) Benzo(k)fluoranthene	14.87	252	182095m	7.615	ng	
90) Benzo(a)pyrene	15.18	252	114534	4.744	ng	100
92) Benzo(a,h,i)perylene	16.99	276	108000	5.132	ng	96

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

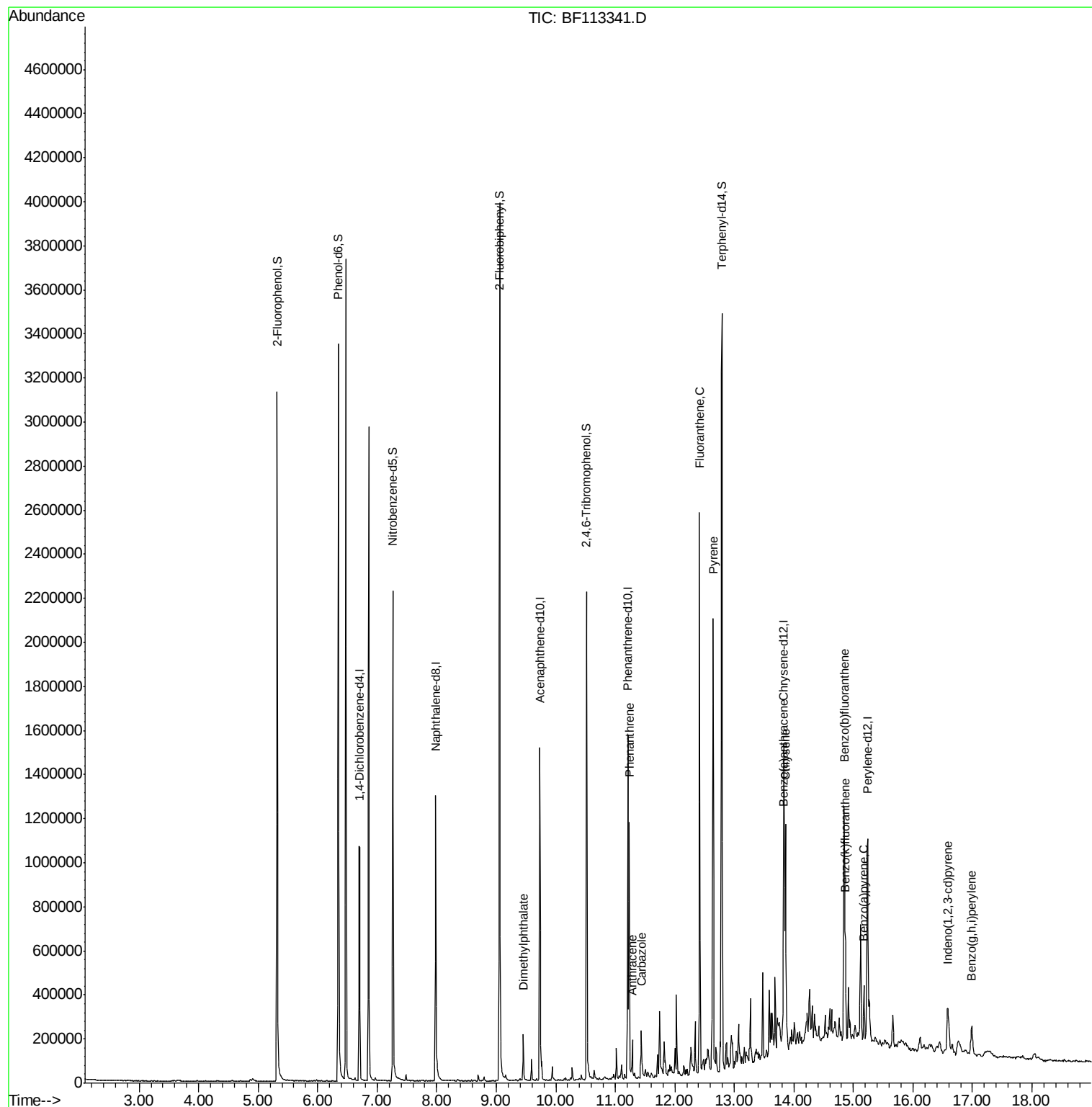
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
Data File : BF113341.D
Acq On : 27 Mar 2019 20:07
Operator : JU/SJ
Sample : K2097-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

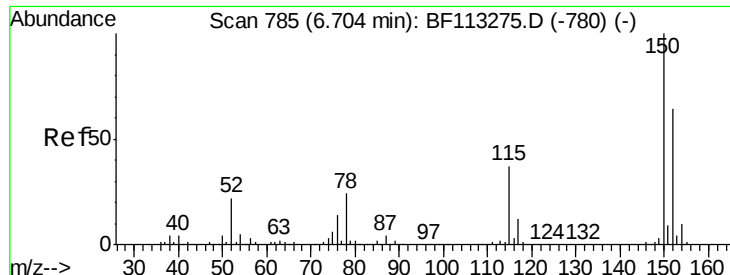
Instrument :
BNA_F
ClientSampleId :
CS-6

Quant Time: Mar 28 04:16:47 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

Manual Integrations
APPROVED

Sohil
3/28/2019 8:41:20 AM





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

ClientSampleId :

CS-6

Tot Ion:152 Resp: 180772

Ion Ratio Lower Upper

152 100

150 153.7 124.7 187.1

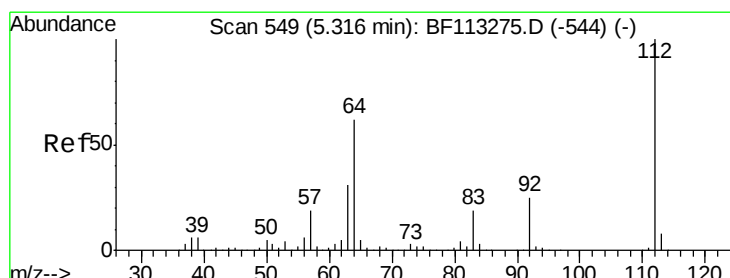
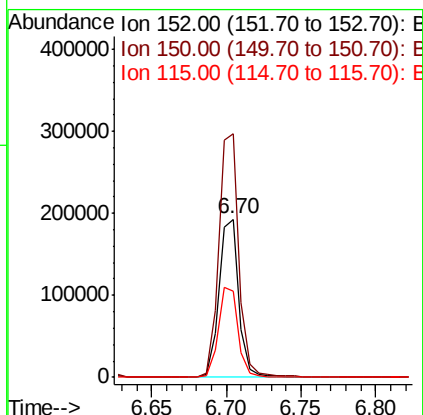
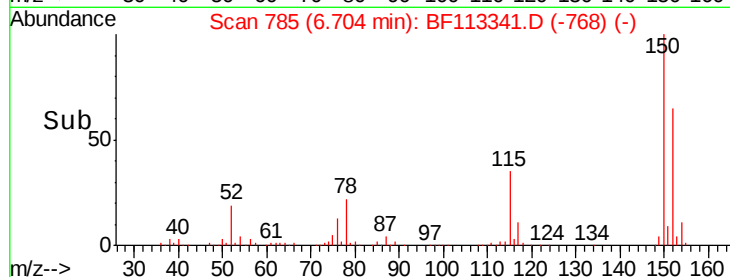
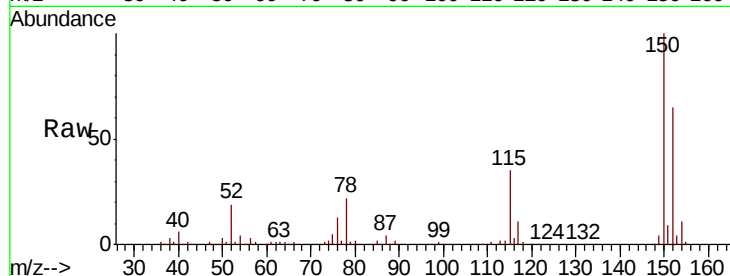
115 54.1 46.0 69.0

Manual Integrations

APPROVED

Sohil

3/28/2019 8:41:20 AM



#5

2-Fluorophenol

Concen: 86.489 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

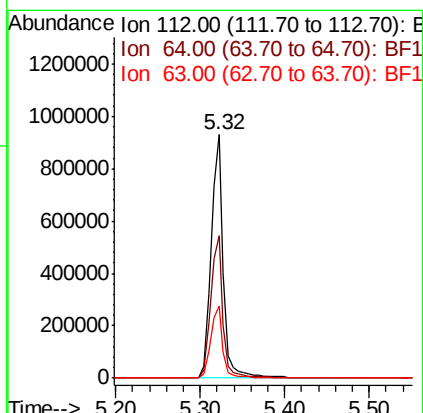
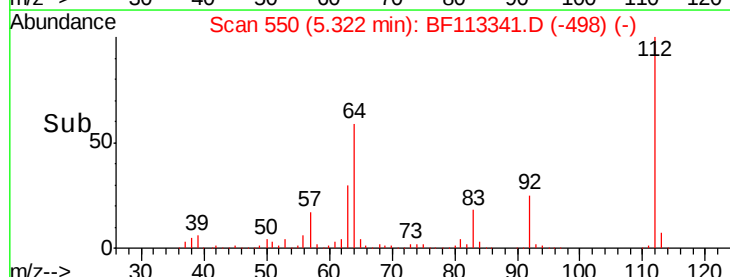
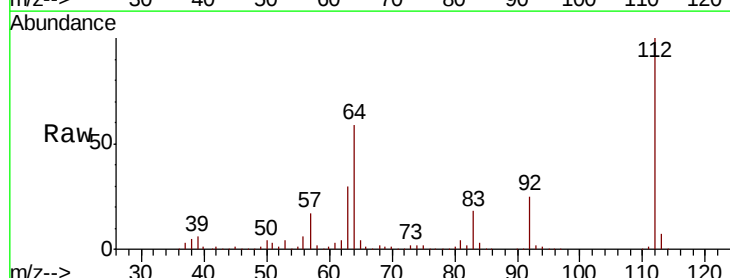
Tgt Ion:112 Resp: 956182

Ion Ratio Lower Upper

112 100

64 58.6 49.2 73.8

63 29.6 24.9 37.3





#7

Phenol-d6

Concen: 88.530 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

ClientSampled :

CS-6

Tot Ion: 99 Resp: 1238175

Ion Ratio Lower Upper

99 100

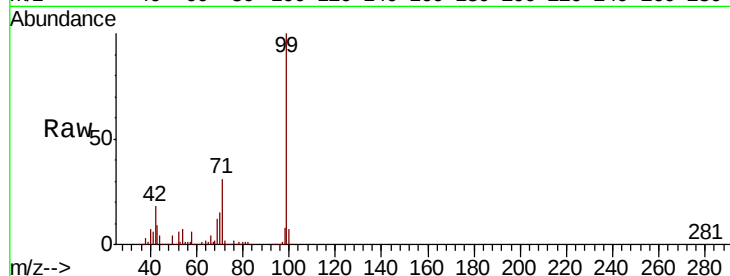
42 17.7 14.8 22.2

71 31.2 24.9 37.3

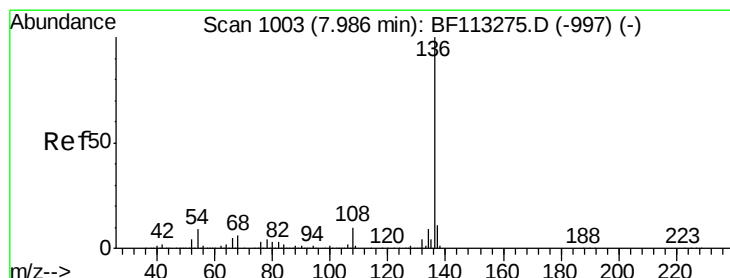
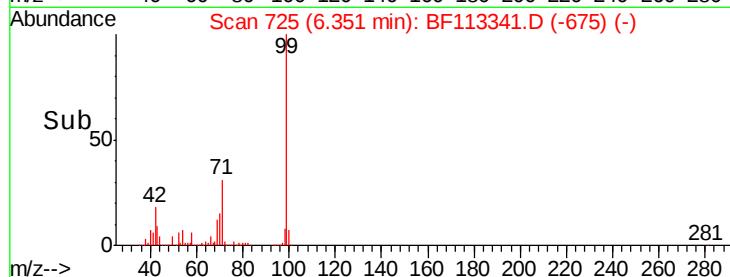
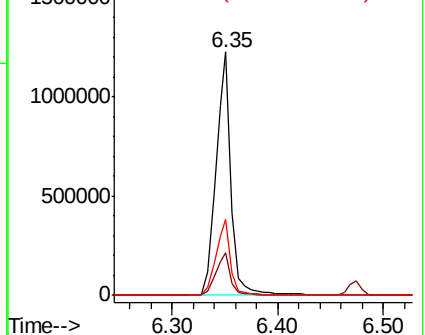
Manual Integrations
APPROVED

Sohil

3/28/2019 8:41:20 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Tgt Ion: 136 Resp: 678743

Ion Ratio Lower Upper

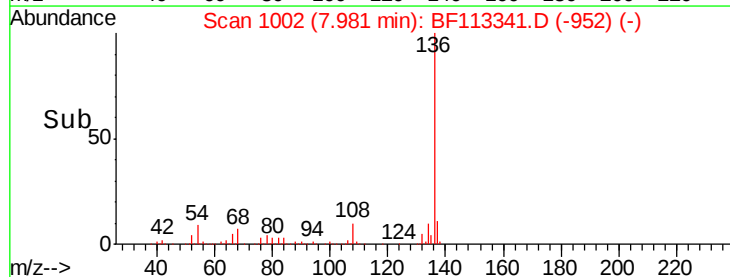
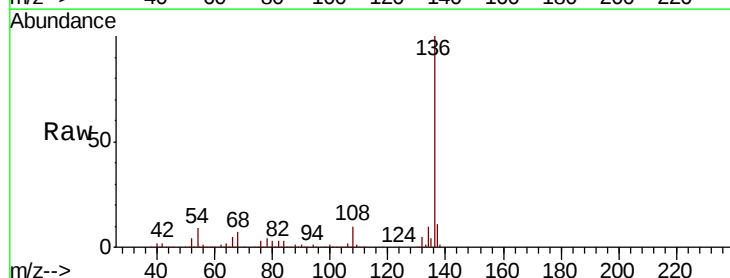
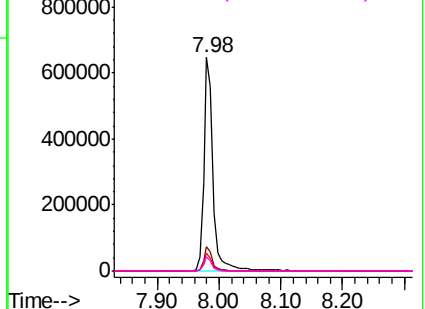
136 100

137 11.3 8.9 13.3

54 8.6 7.0 10.6

68 6.6 4.8 7.2

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): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 66.782 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

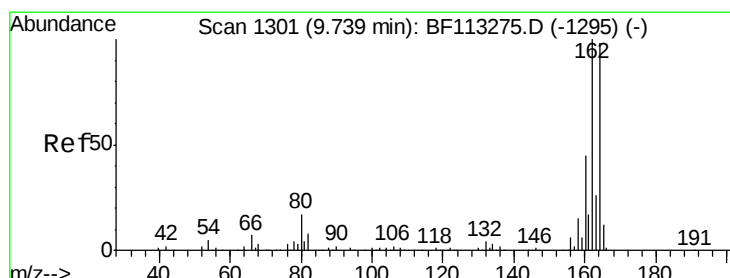
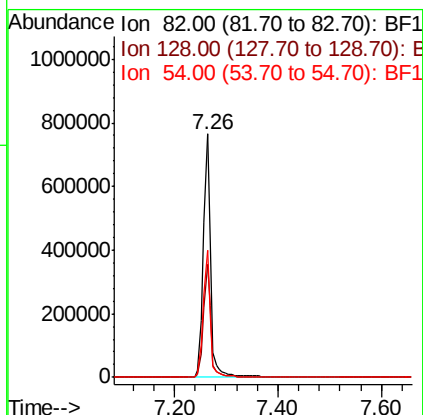
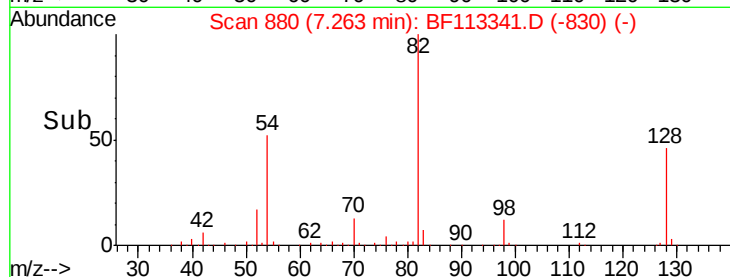
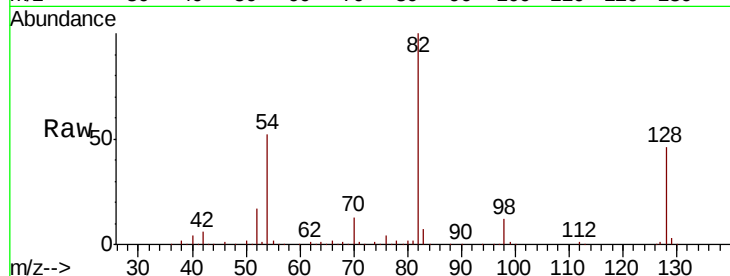
ClientSampled :

CS-6

Tot Ion:	82	Resp:	763691
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.5	54.7
54	52.1	42.2	63.2

Manual Integrations
APPROVED

Sohil
3/28/2019 8:41:20 AM



#39

Acenaphthene-d10

Concen: 20.000 ng

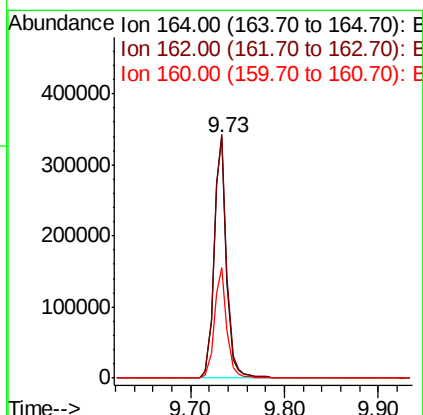
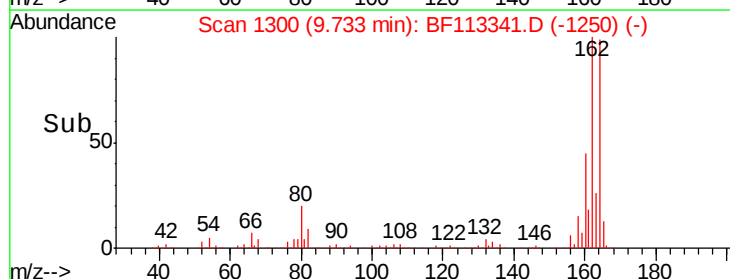
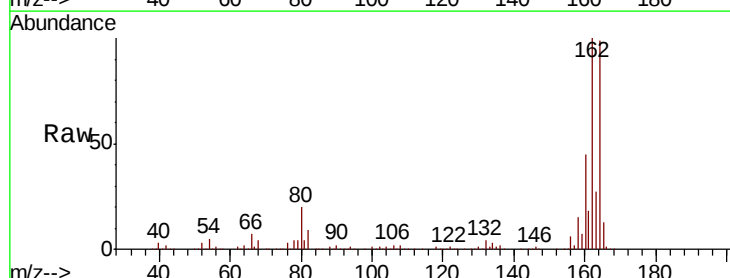
RT: 9.73 min Scan# 1300

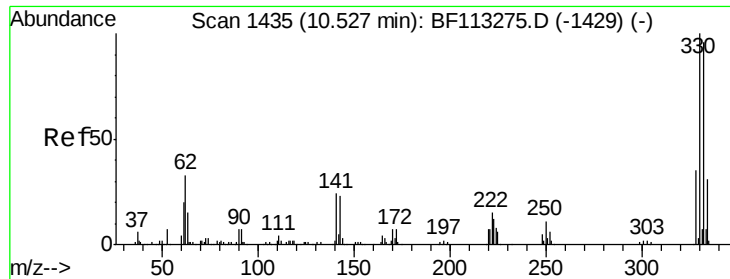
Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Tgt Ion:	164	Resp:	318033
Ion Ratio	Lower	Upper	
164	100		
162	101.2	81.8	122.6
160	45.7	36.4	54.6





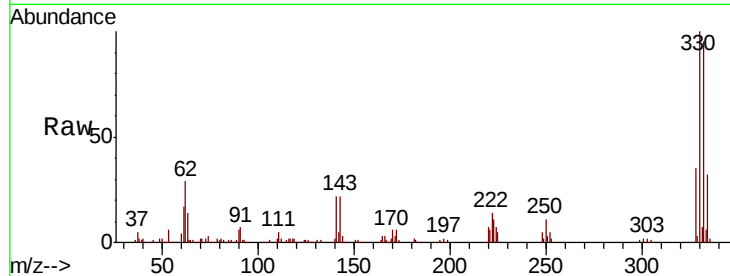
#42
 2,4,6-Tribromophenol
 Concen: 84.711 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampled :
 CS-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.8	116.6
141	28.0	22.7	34.1

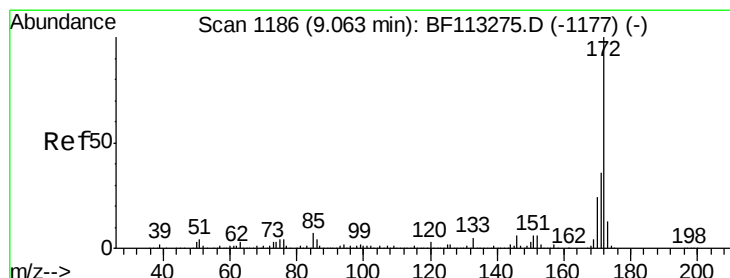
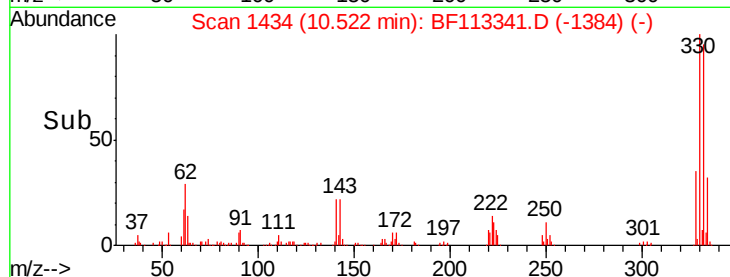
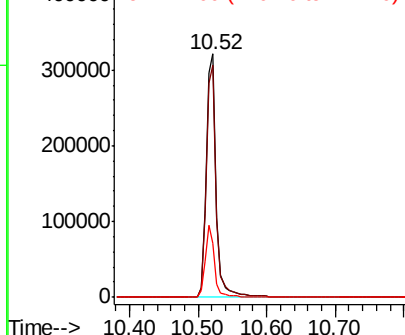
Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:41:20 AM



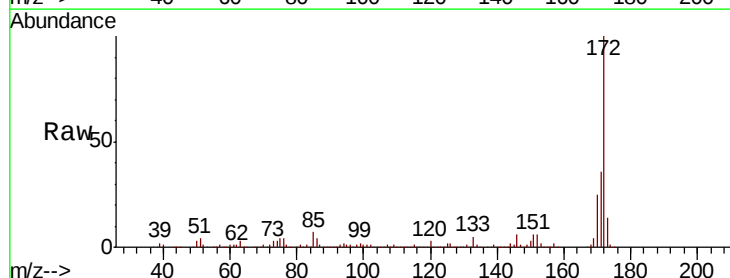
Abundance

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



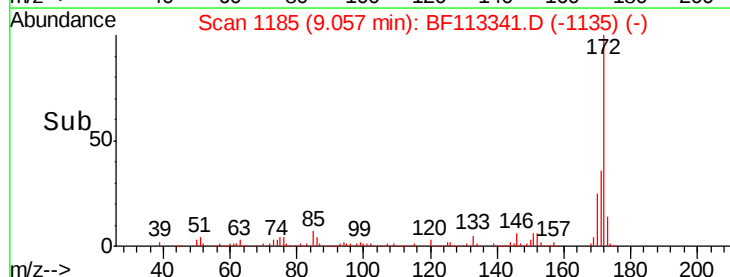
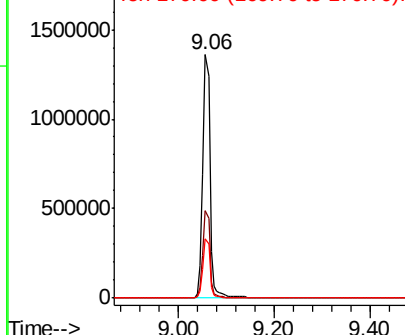
#45
 2-Fluorobiphenyl
 Concen: 66.351 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

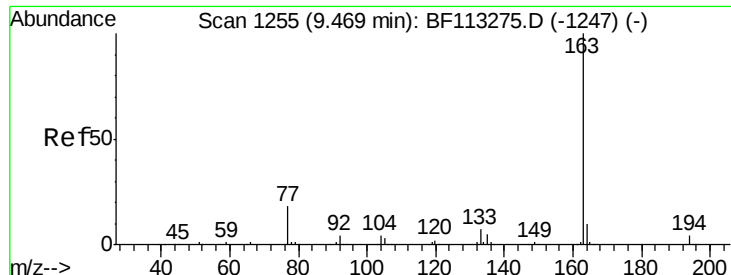
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.5	19.5	29.3



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





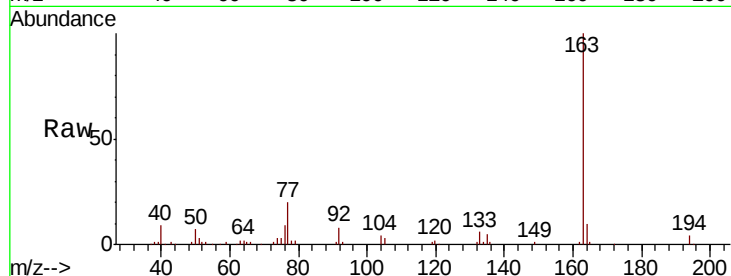
#50
Dimethylphthalate
Concen: 4.159 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampled :
CS-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	98019		
194	4.3		3.0	4.6
164	10.4		8.1	12.1

Manual Integrations
APPROVED

Sohil
3/28/2019 8:41:20 AM

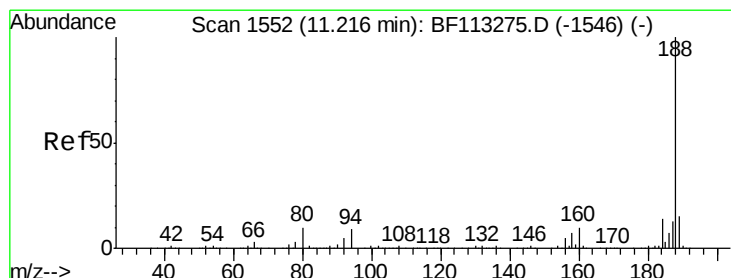
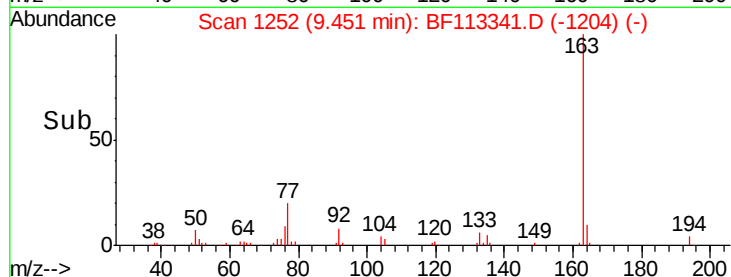
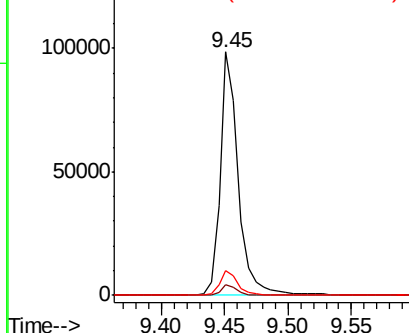


Abundance

Ion 163.00 (162.70 to 163.70): E

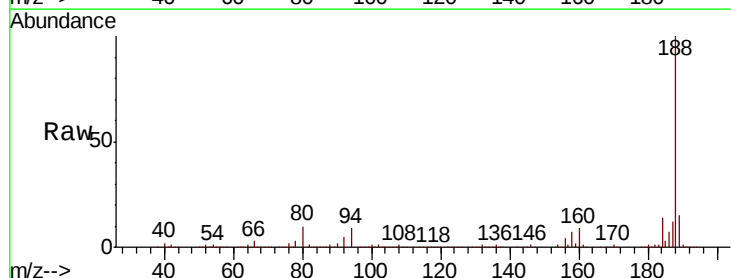
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	592424		
94	9.1		7.0	10.6
80	9.6		7.7	11.5

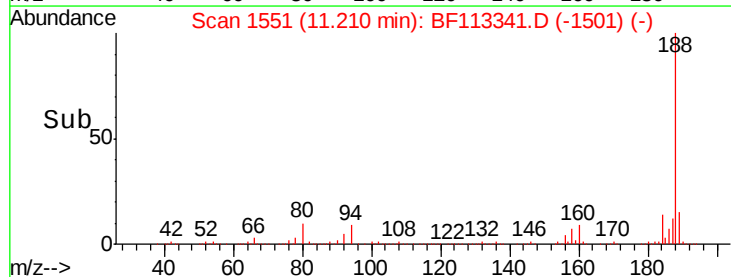
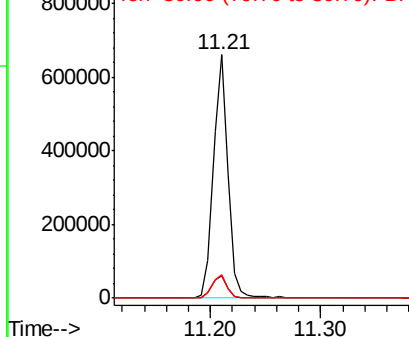


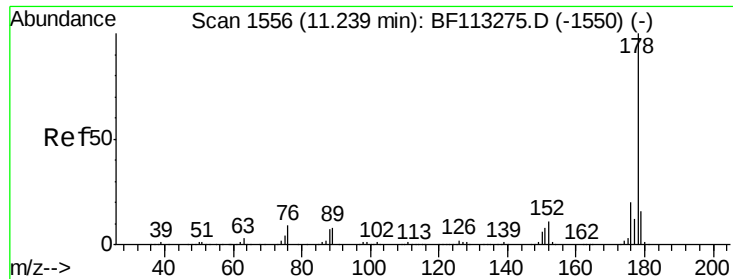
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





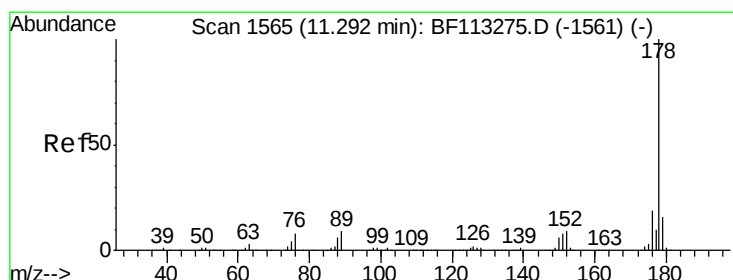
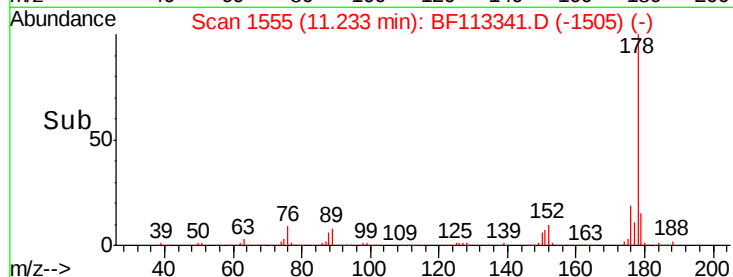
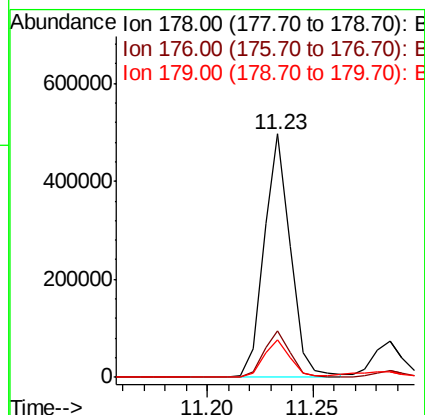
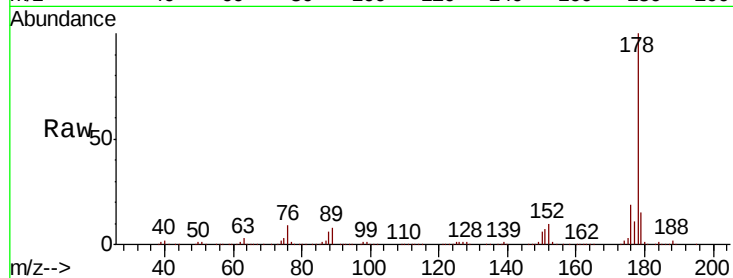
#71
Phenanthrene
Concen: 14.652 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.2
179	15.4	12.7	19.1

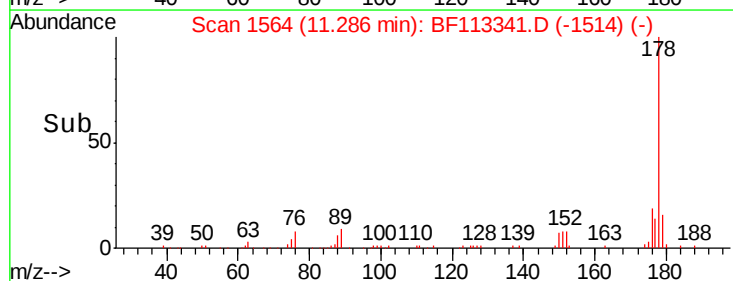
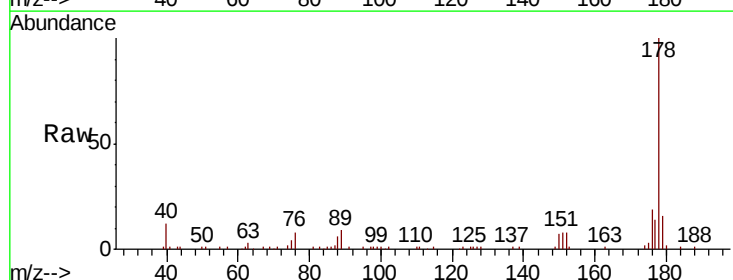
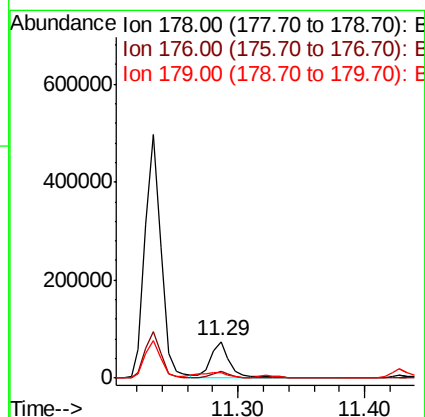
Manual Integrations
APPROVED

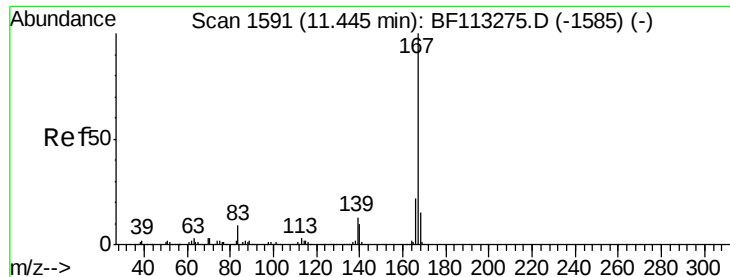
Sohil
3/28/2019 8:41:20 AM



#72
Anthracene
Concen: 2.699 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.8	19.2





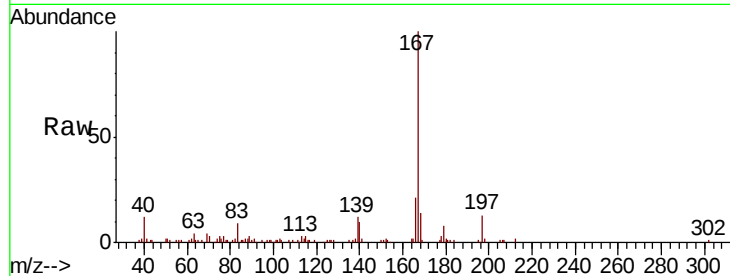
#73
 Carbazole
 Concen: 2.997 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampled :
 CS-6

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.4	26.0
139	12.1	10.4	15.6

Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:41:20 AM

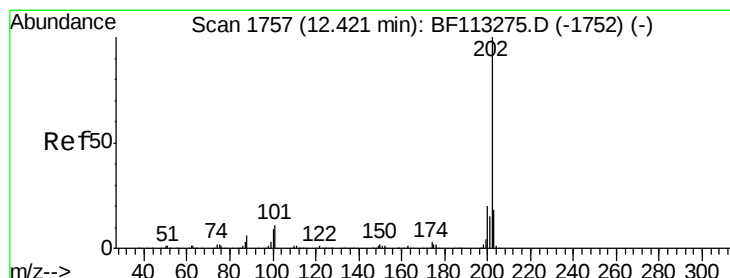
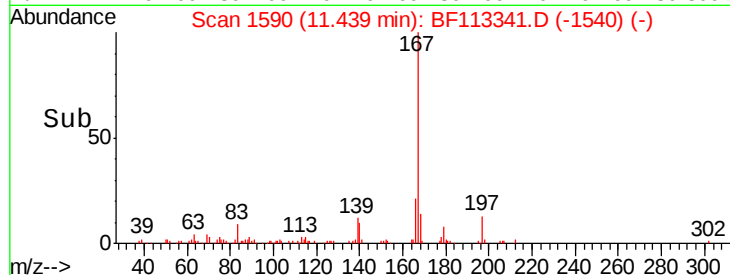
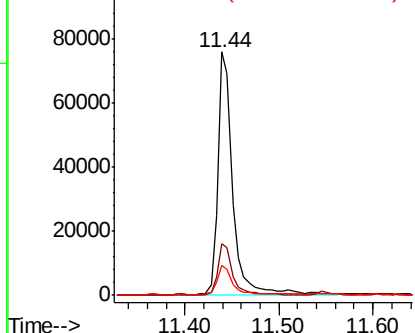


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75
 Fluoranthene
 Concen: 34.644 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

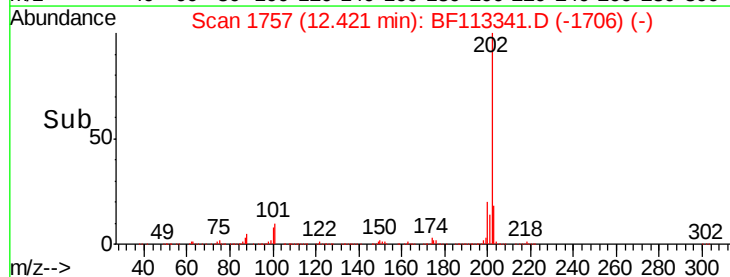
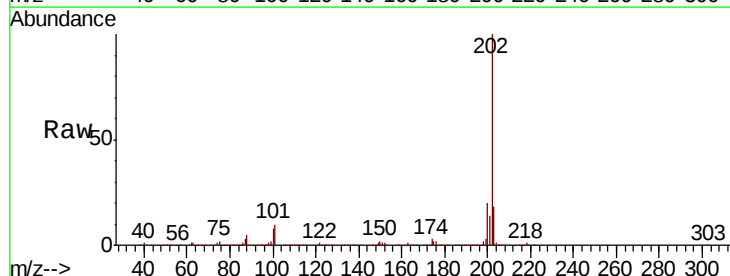
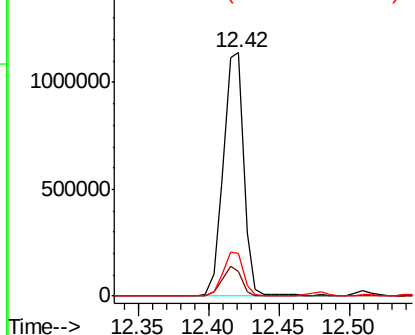
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	17.8	0.0	38.0

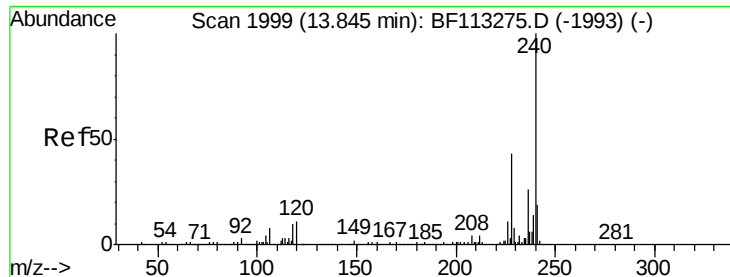
Abundance

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





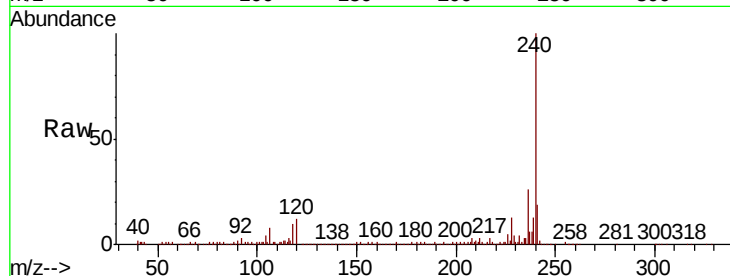
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

Tot Ion	Ratio	Resp	Lower	Upper
240	100	426642		
120	11.9	8.8	13.2	
236	25.6	20.9	31.3	

Manual Integrations
APPROVED

Sohil
3/28/2019 8:41:20 AM

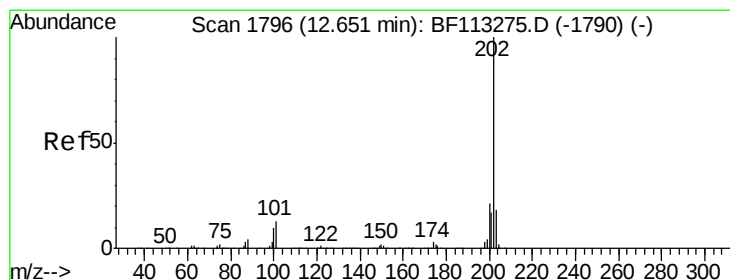
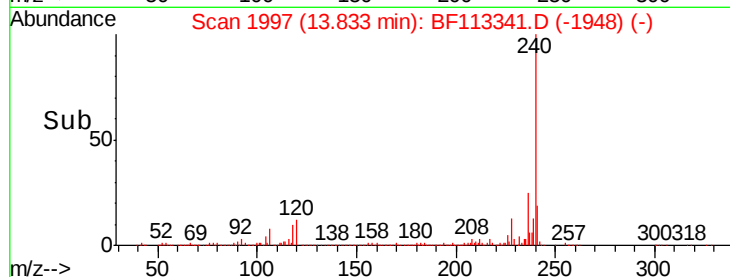
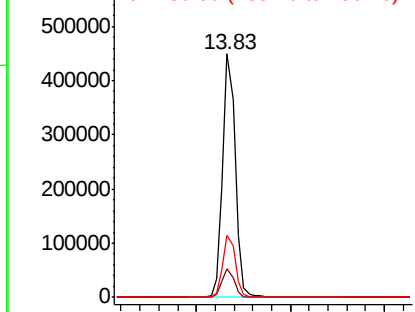


Abundance

Ion 240.00 (239.70 to 240.70): E

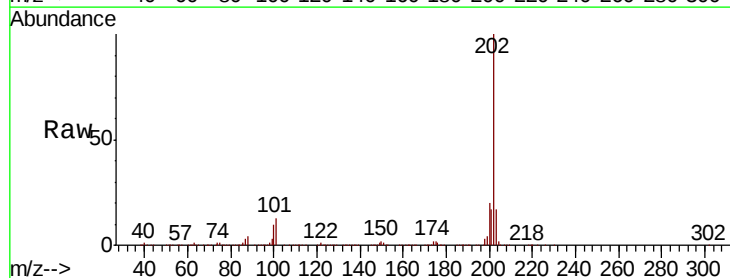
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 29.566 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	874109		
200	20.5	16.8	25.2	
203	17.4	14.4	21.6	

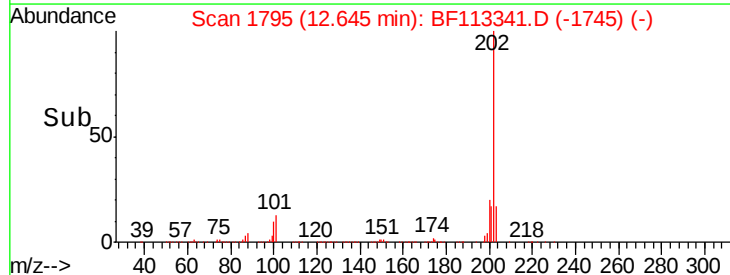
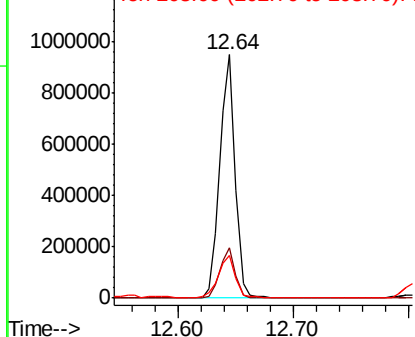


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





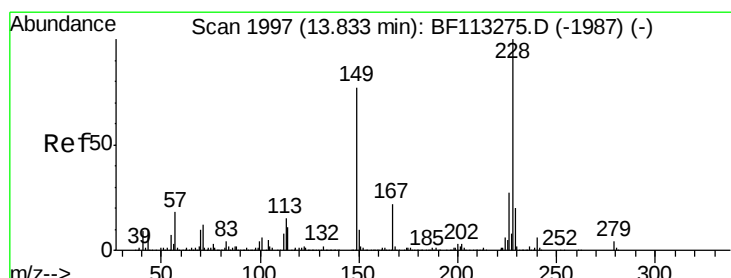
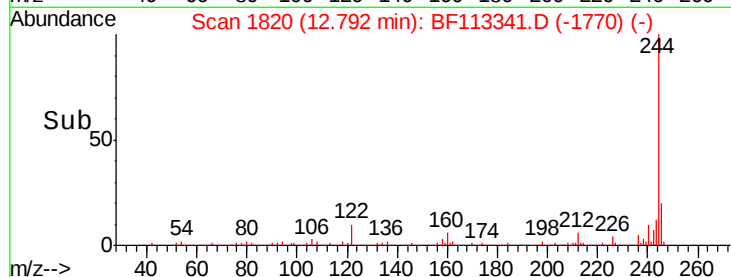
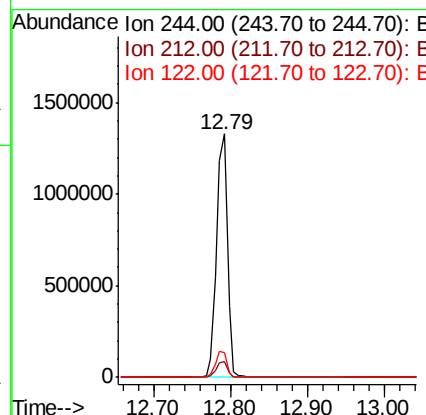
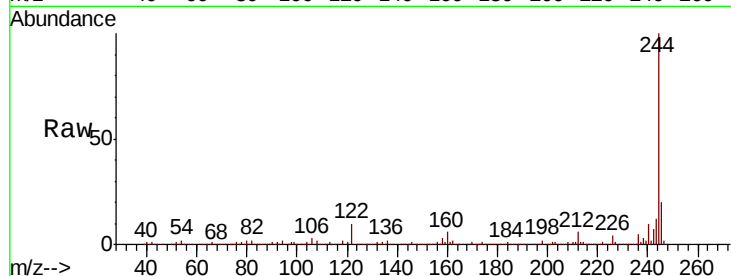
#79
 Terphenyl-d14
 Concen: 66.351 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 CS-6

Tot Ion:244 Resp: 1284301
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 10.1 8.6 13.0

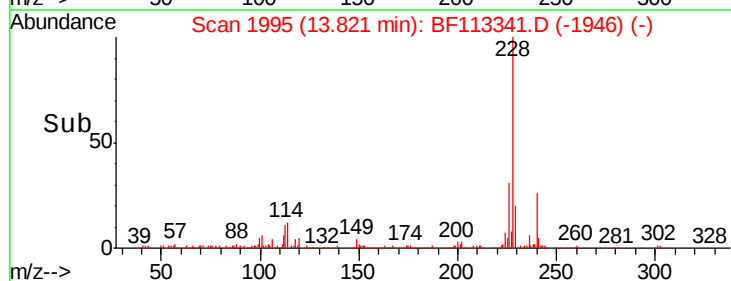
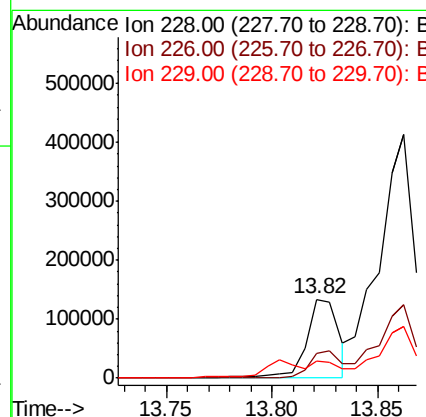
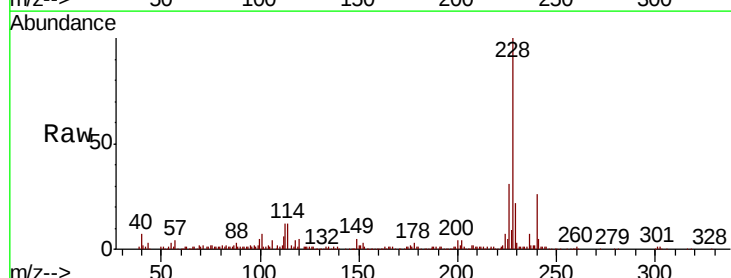
Manual Integrations
 APPROVED

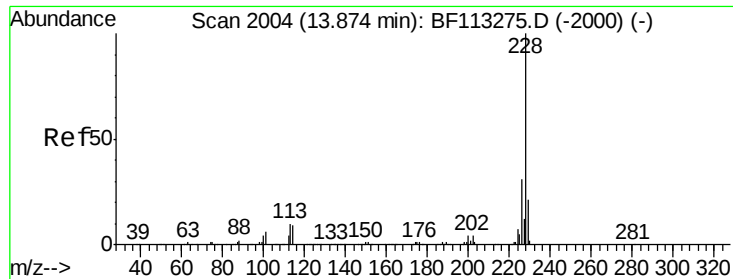
Sohil
 3/28/2019 8:41:20 AM



#81
 Benzo(a)anthracene
 Concen: 5.679 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Tgt Ion:228 Resp: 138689
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.8 32.8
 229 21.7 16.2 24.4





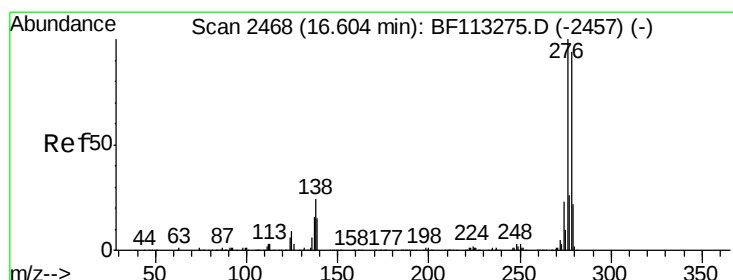
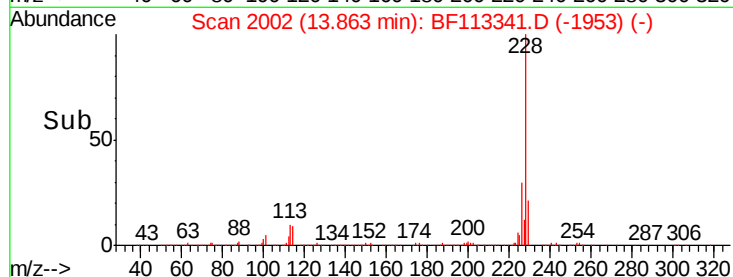
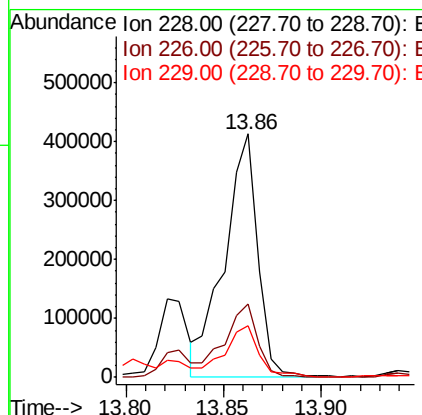
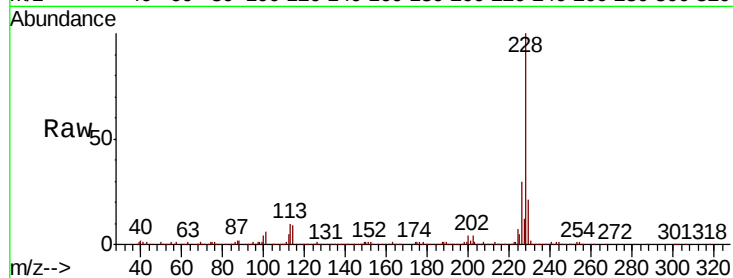
#83
Chrysene
Concen: 19.592 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampled :
CS-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	21.2	16.3	24.5

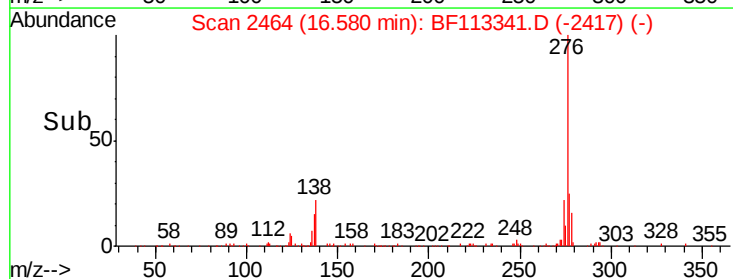
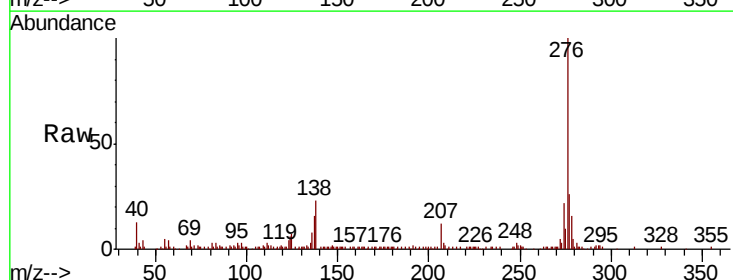
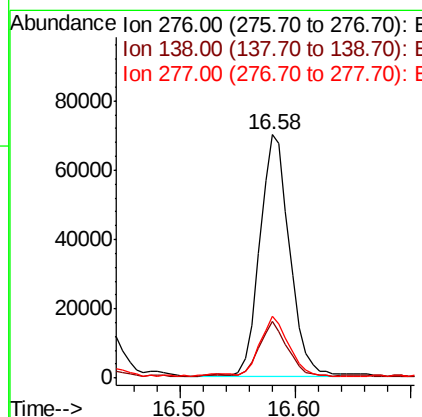
Manual Integrations
APPROVED

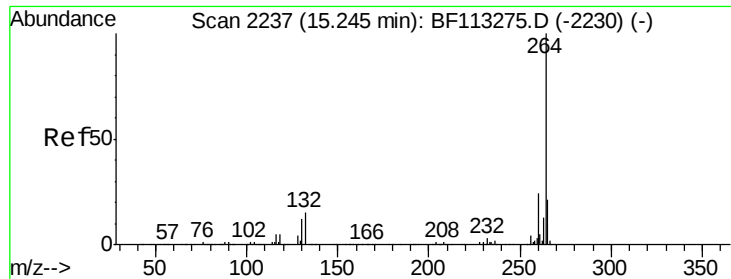
Sohil
3/28/2019 8:41:20 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.903 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.02 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.1	27.1
277	24.9	20.2	30.4





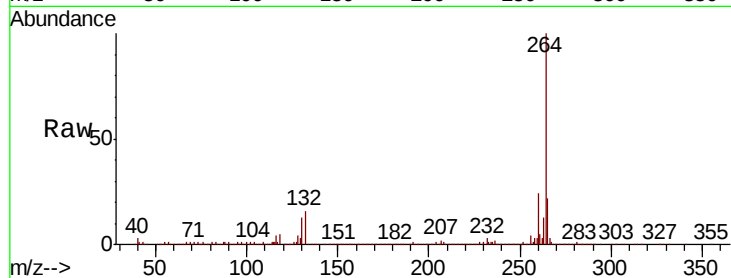
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	21.8	17.1	25.7

Manual Integrations
APPROVED

Sohil
3/28/2019 8:41:20 AM

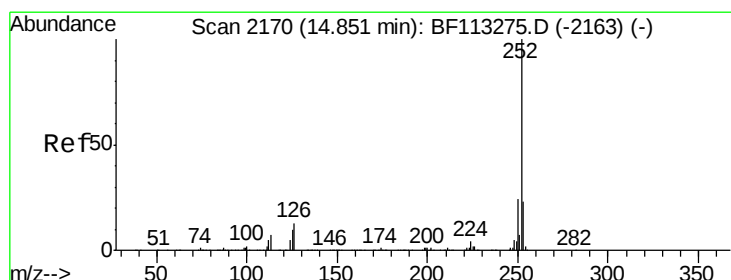
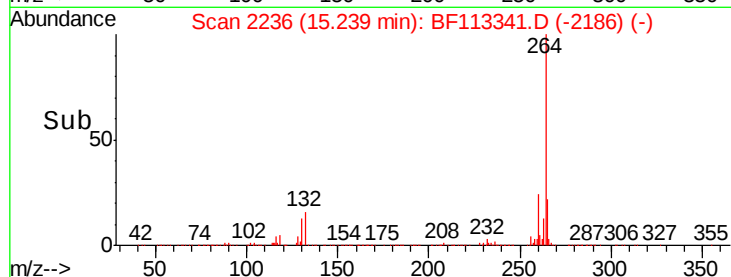
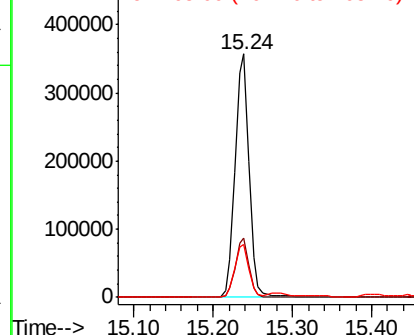


Abundance

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: 18.611 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

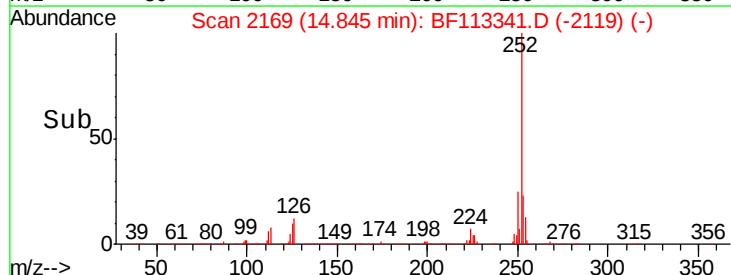
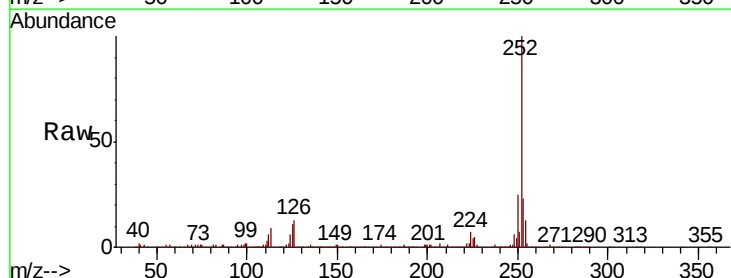
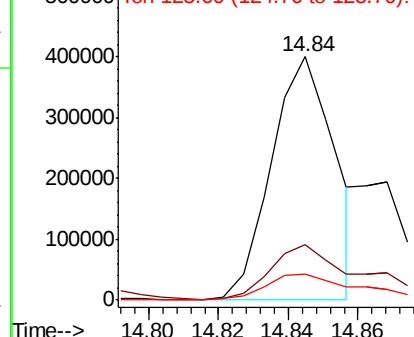
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.7	7.6	11.4

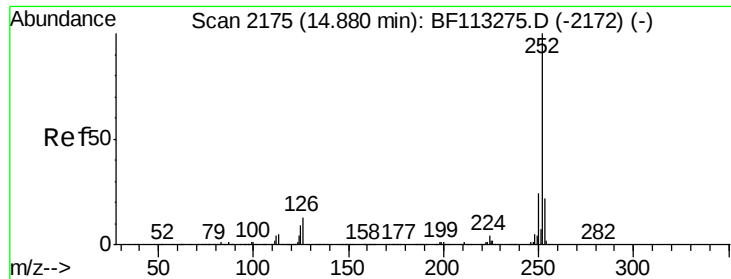
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





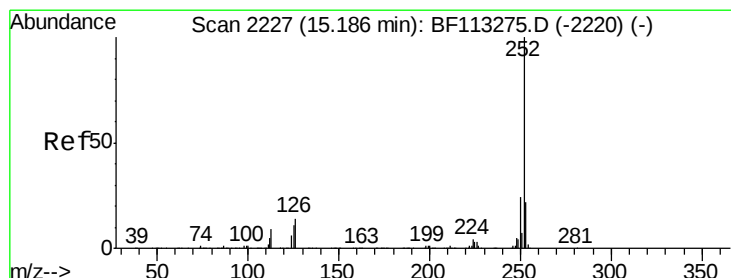
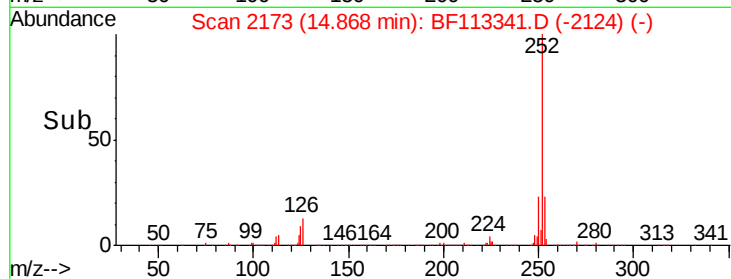
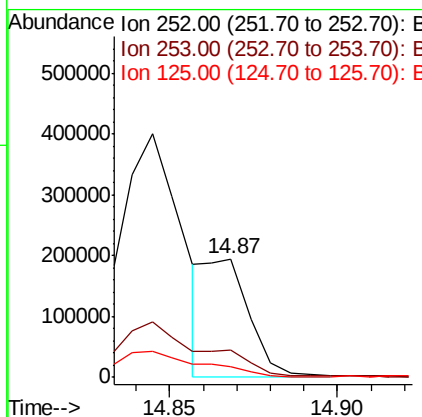
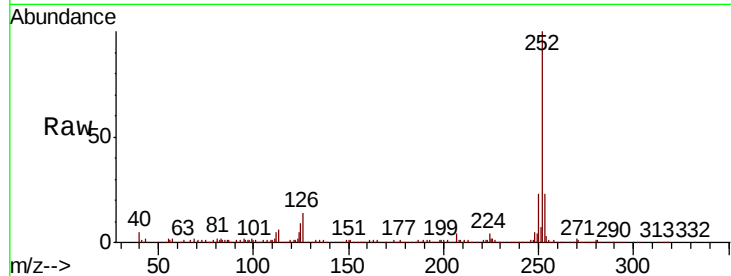
#89
Benzo(k)fluoranthene
Concen: 7.615 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampled :
CS-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	9.3	7.3	10.9

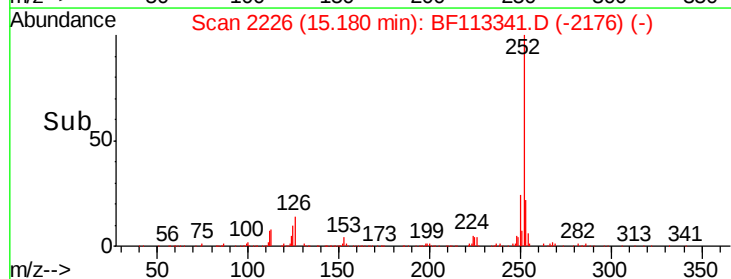
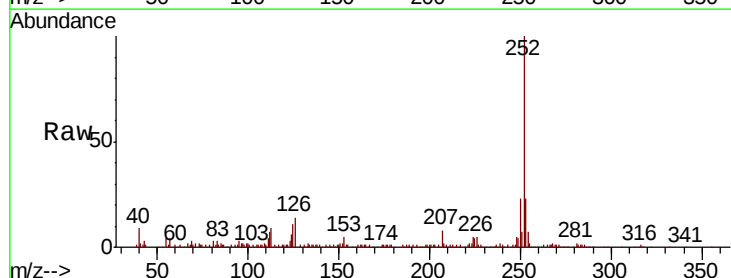
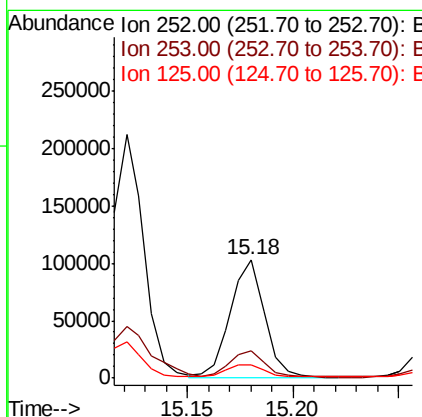
Manual Integrations
APPROVED

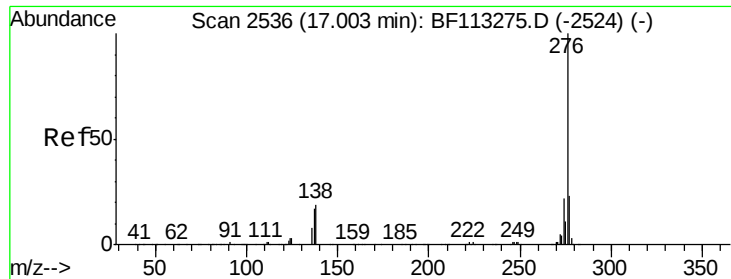
Sohil
3/28/2019 8:41:20 AM



#90
Benzo(a)pyrene
Concen: 4.744 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	10.8	8.8	13.2





#92
 Benzo(a,h,i)perylene
 Concen: 5.132 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.02 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 CS-6

Tot Ion:	276	Resp:	108000
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.8	28.2
138	22.6	15.6	23.4

Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:41:20 AM

