

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
 Data File : BF111432.D
 Acq On : 14 Dec 2018 21:25
 Operator : JU/SJ
 Sample : J6199-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-B

Manual Integrations
 APPROVED

Sohil
 12/17/2018 2:36:50 PM

Quant Time: Dec 14 22:36:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	177986	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	686807	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285158	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	402211	20.00	ng	0.00
76) Chrysene-d12	13.95	240	353335	20.00	ng	0.00
87) Perylene-d12	15.39	264	242768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	246463	23.04	ng	0.00
7) Phenol-d6	6.43	99	311726	21.91	ng	-0.01
23) Nitrobenzene-d5	7.35	82	180605	15.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	43664	17.09	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	329170	17.83	ng	0.00
79) Terphenyl-d14	12.90	244	225255	14.97	ng	0.00
Target Compounds						
71) Phenanthrene	11.33	178	254003	12.256	ng	94
72) Anthracene	11.39	178	63050m	2.975	ng	
75) Fluoranthene	12.52	202	387195	19.097	ng	98
78) Pyrene	12.75	202	386598	15.519	ng	95
81) Benzo(a)anthracene	13.94	228	181652	9.455	ng	99
83) Chrysene	13.97	228	158104	7.812	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	48453	3.317	ng	# 90
88) Benzo(b)fluoranthene	14.97	252	146866m	10.377	ng	
89) Benzo(k)fluoranthene	15.00	252	49686m	3.674	ng	
90) Benzo(a)pyrene	15.33	252	102218	8.009	ng	97
92) Benzo(g,h,i)perylene	17.23	276	45653	4.619	ng	# 91

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

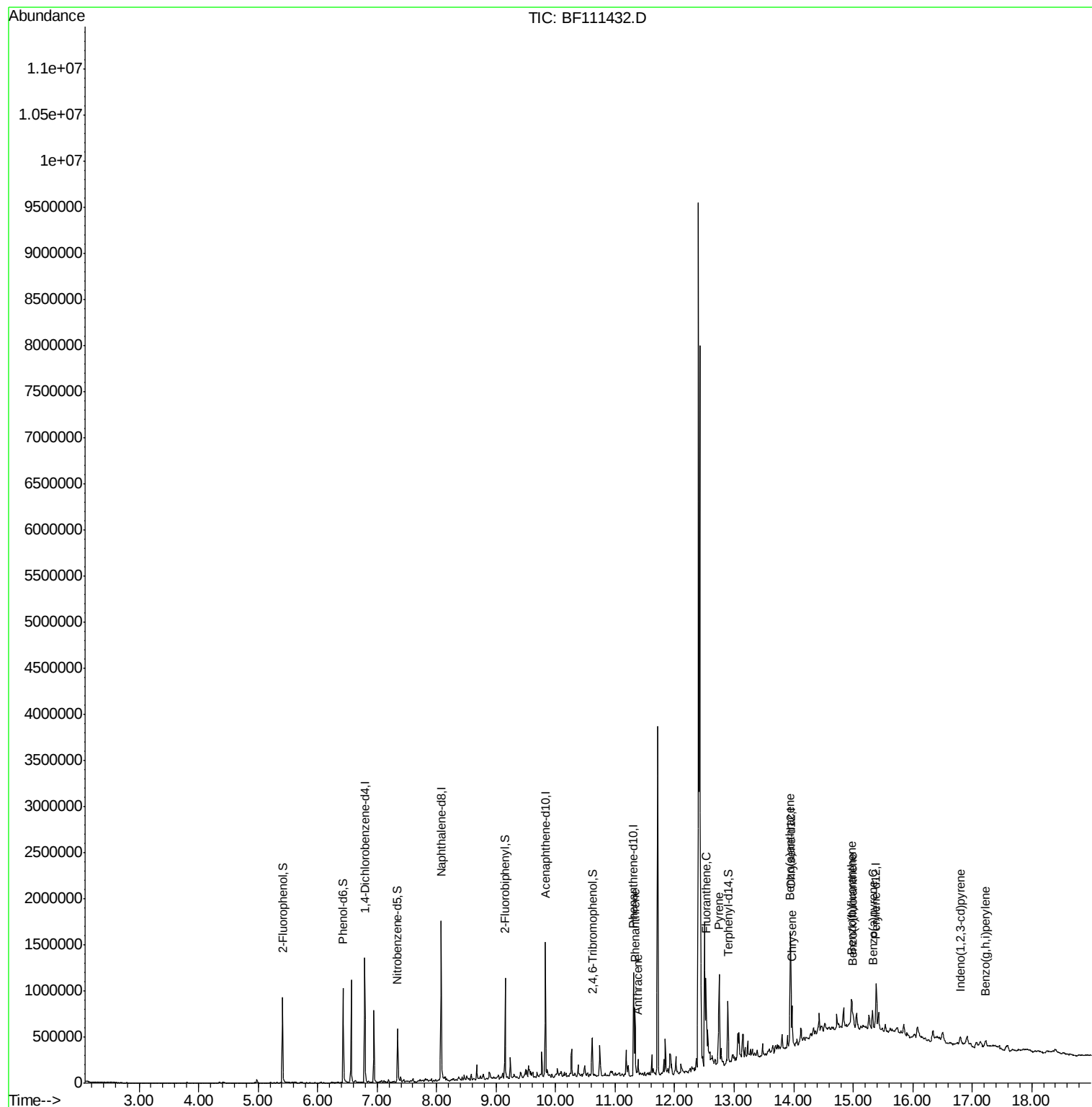
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121418\
Data File : BF111432.D
Acq On : 14 Dec 2018 21:25
Operator : JU/SJ
Sample : J6199-07 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

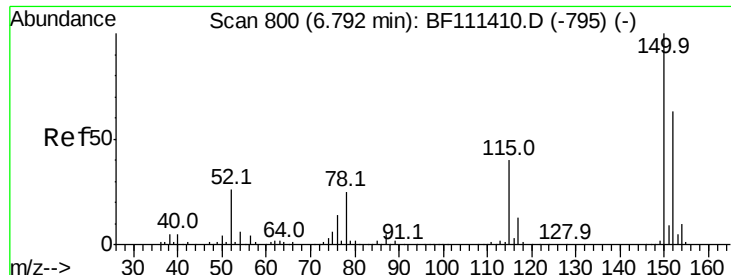
Instrument :
BNA_F
ClientSampled :
SU-04-121218-B

Manual Integrations
APPROVED

Sohil
12/17/2018 2:36:50 PM

Quant Time: Dec 14 22:36:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

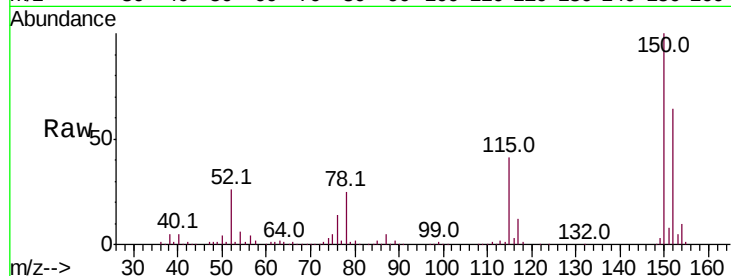
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	189.8
115	63.9	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/17/2018 2:36:50 PM

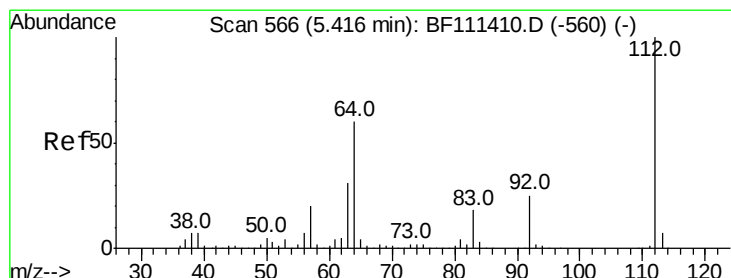
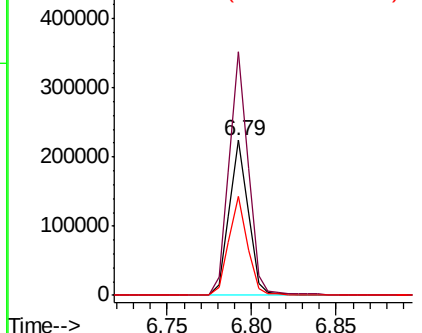
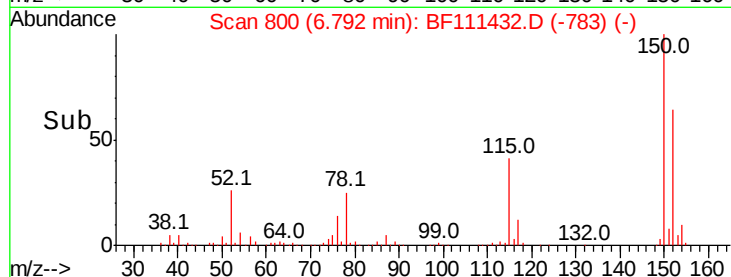


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

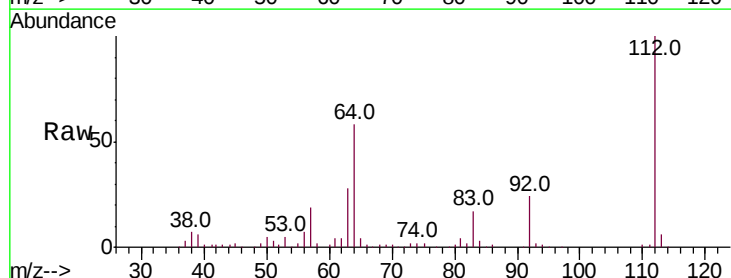
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.043 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	51.8	77.6
63	28.4	26.8	40.2

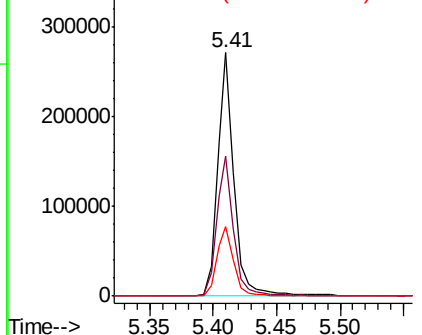
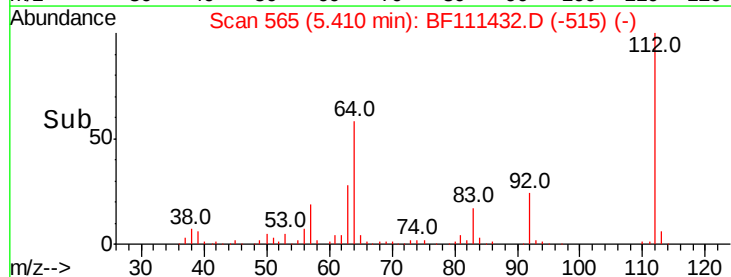


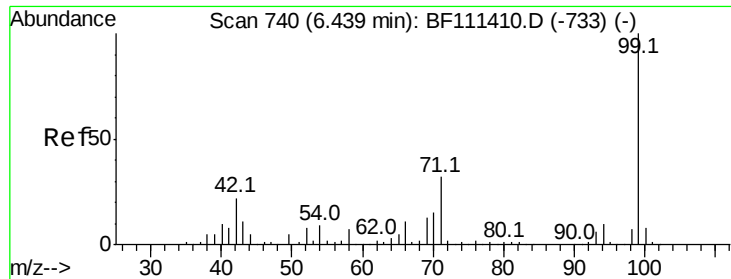
Abundance

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: 21.910 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_F

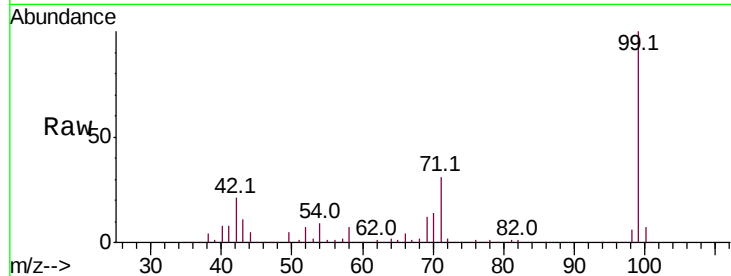
ClientSampleId :

SU-04-121218-B

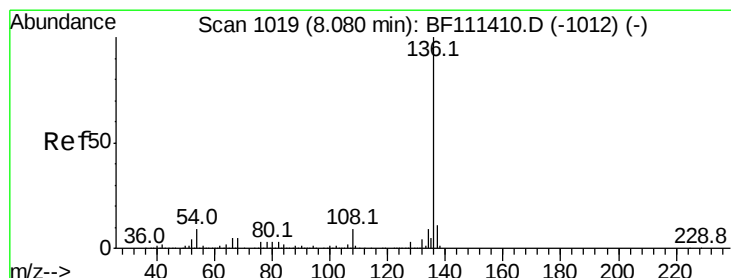
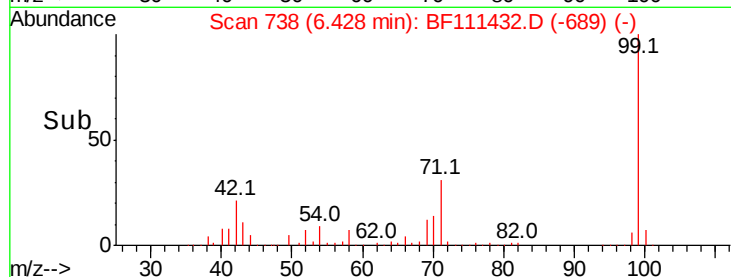
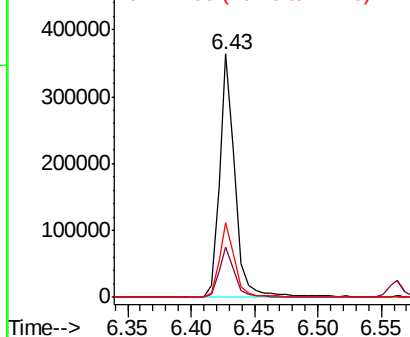
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		311726		
42	20.9	17.4	26.0		
71	30.8	26.1	39.1		

Manual Integrations
APPROVED

Sohil
12/17/2018 2:36:50 PM



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: 8.07 min Scan# 1018

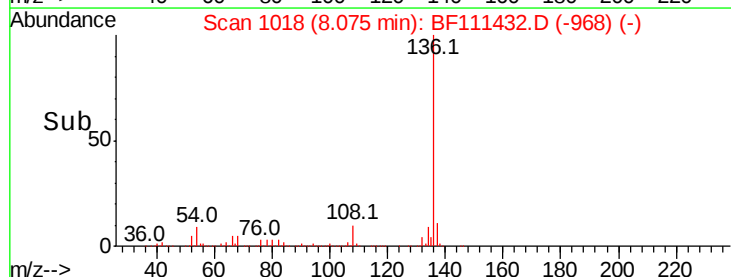
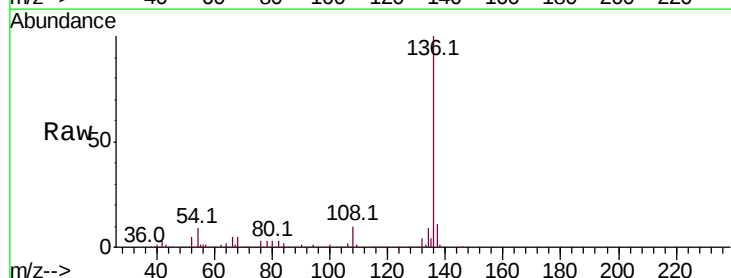
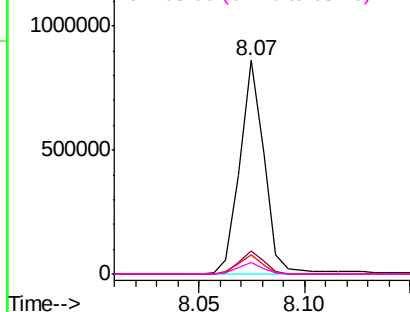
Delta R.T. -0.01 min

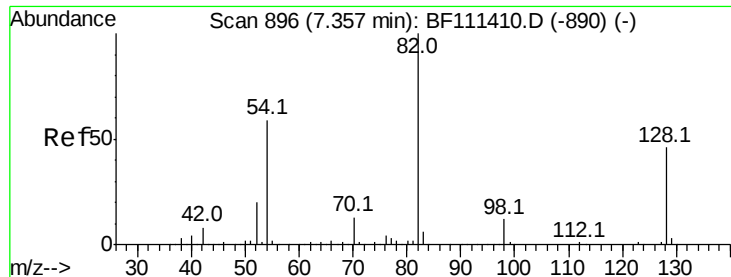
Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		686807		
137	10.8	9.1	13.7		
54	9.2	7.7	11.5		
68	5.1	4.9	7.3		

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





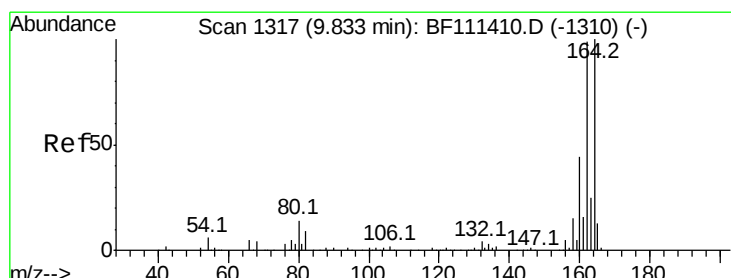
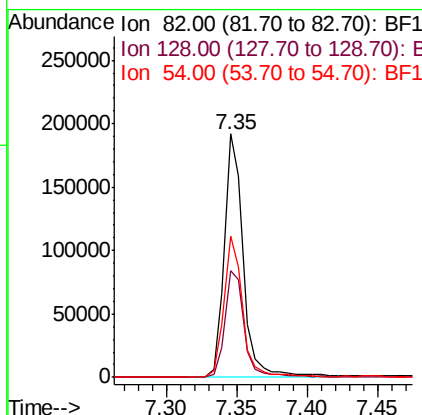
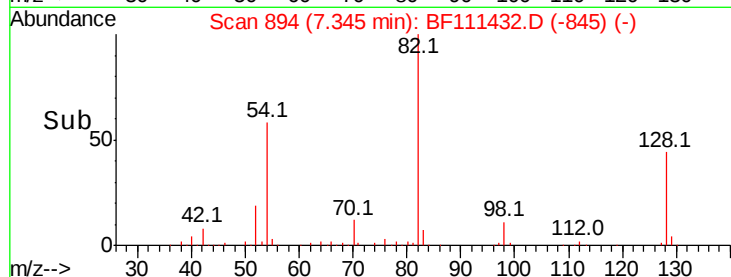
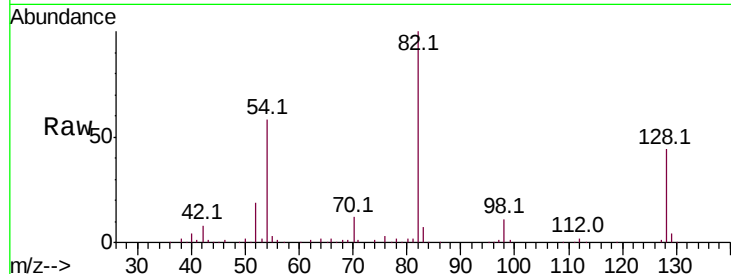
#23
 Nitrobenzene-d5
 Concen: 15.659 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Instrument :
 BNA_F
 ClientSampleID :
 SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	37.4	56.2
54	58.0	47.6	71.4

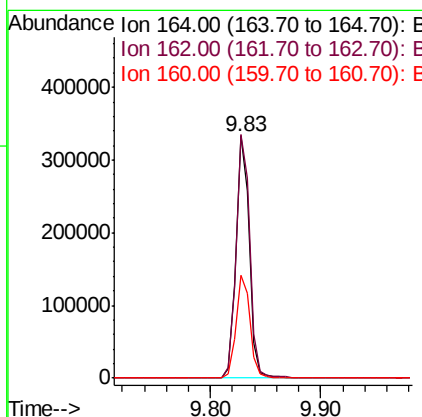
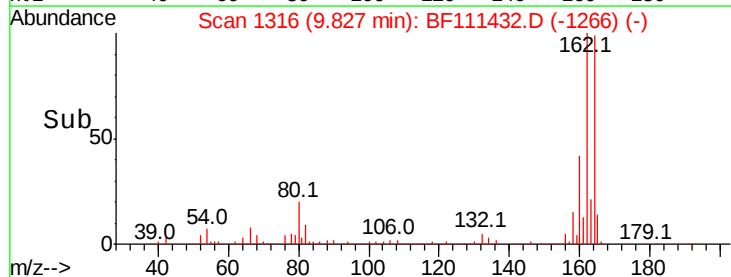
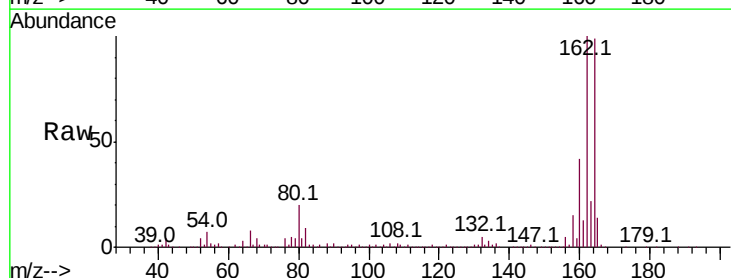
Manual Integrations
 APPROVED

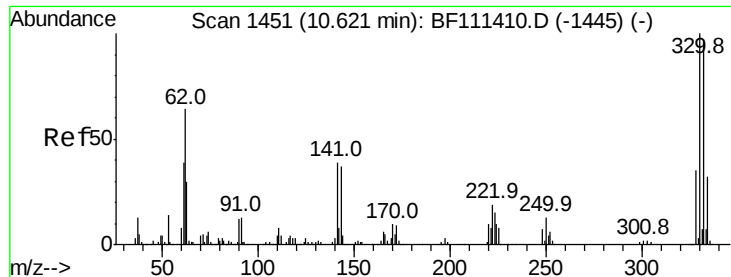
Sohil
 12/17/2018 2:36:50 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.4	122.0
160	42.7	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 17.094 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_F

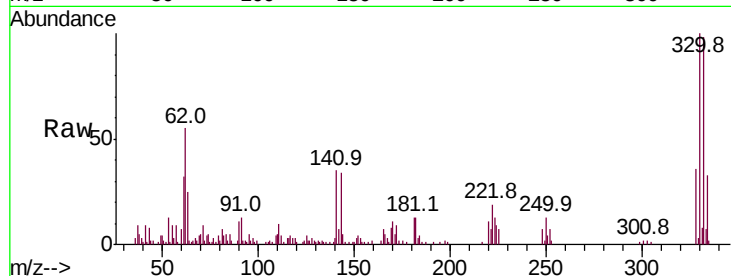
ClientSampleId :

SU-04-121218-B

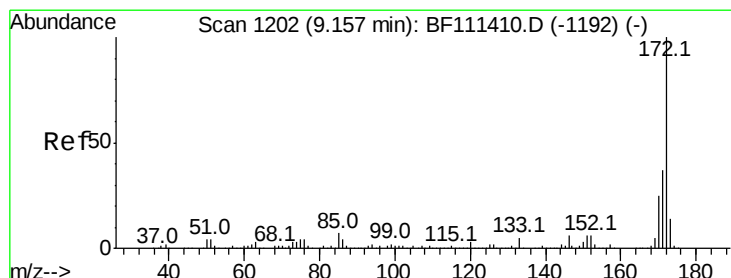
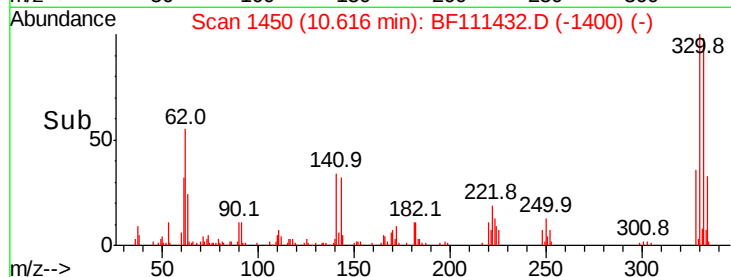
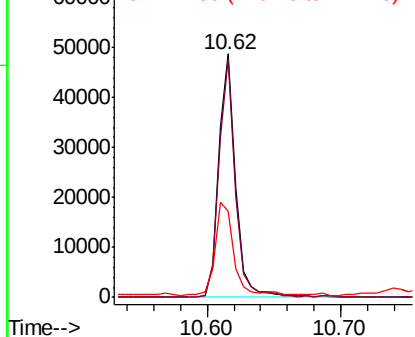
Tot Ion:	330	Resp:	43664
Ion Ratio	Lower	Upper	
330	100		
332	94.7	76.0	114.0
141	40.1	31.0	46.6

Manual Integrations
APPROVED

Sohil
12/17/2018 2:36:50 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: 17.830 ng

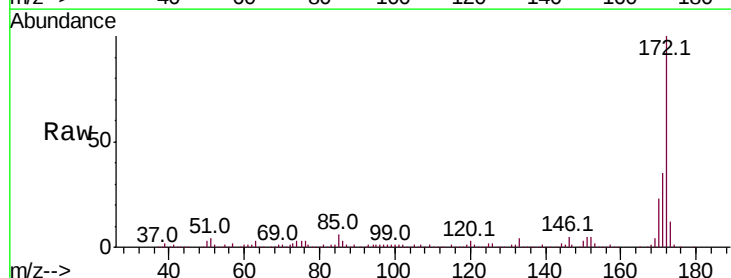
RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

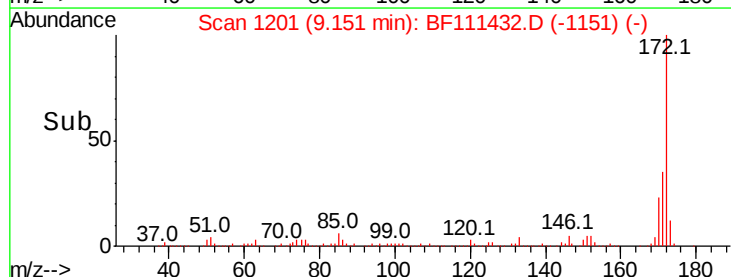
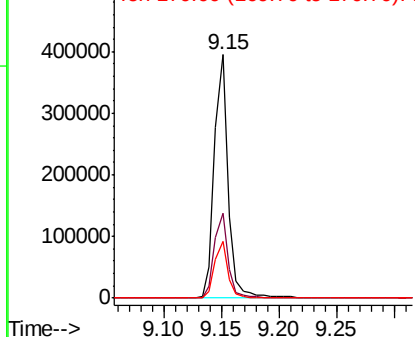
Lab File: BF111432.D

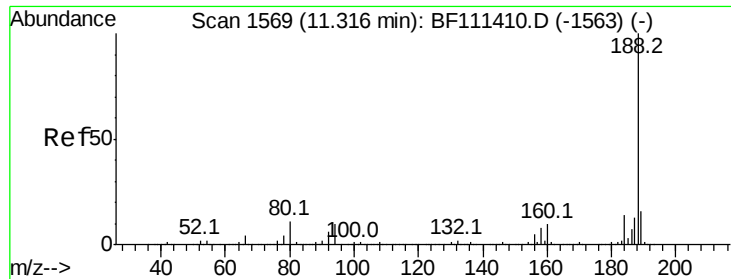
Acq: 14 Dec 2018 21:25

Tgt Ion:	172	Resp:	329170
Ion Ratio	Lower	Upper	
172	100		
171	34.7	33.0	49.4
170	23.2	22.3	33.5



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_F

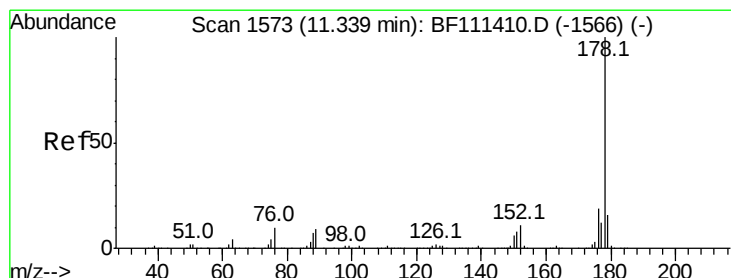
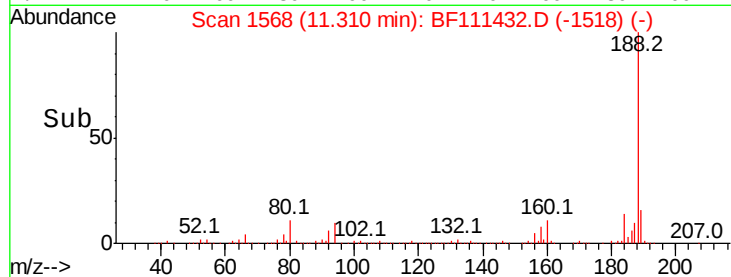
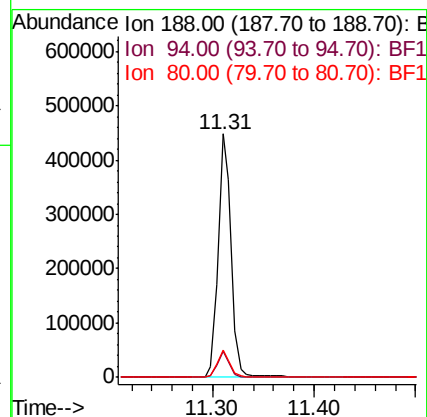
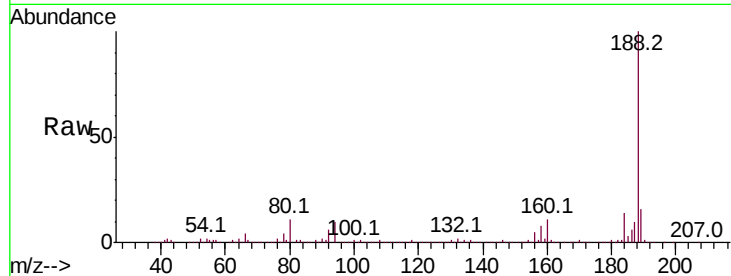
ClientSampleId :

SU-04-121218-B

Tot Ion:	188	Resp:	402211
Ion Ratio	Lower	Upper	
188	100		
94	10.5	9.6	14.4
80	11.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/17/2018 2:36:50 PM



#71

Phenanthrene

Concen: 12.256 ng

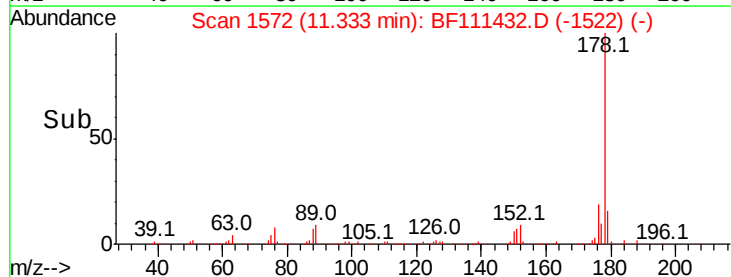
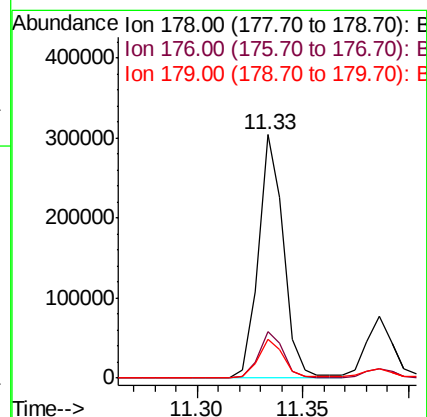
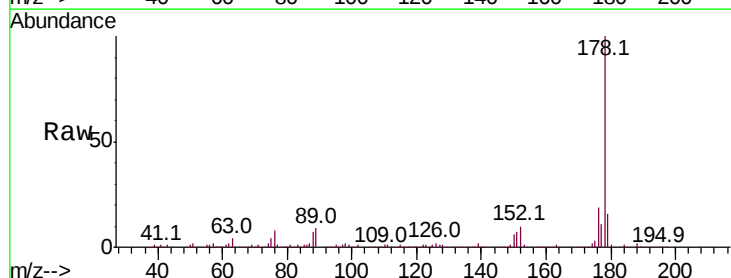
RT: 11.33 min Scan# 1572

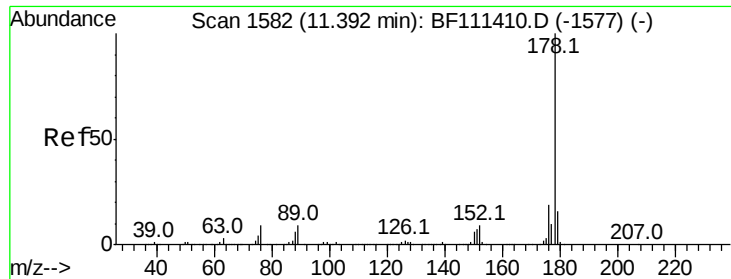
Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Tgt Ion:	178	Resp:	254003
Ion Ratio	Lower	Upper	
178	100		
176	18.9	18.1	27.1
179	15.8	14.0	21.0





#72

Anthracene

Concen: 2.975 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

Instrument :

BNA_F

ClientSampleId :

SU-04-121218-B

Tot Ion:178 Resp: 63050

Ion Ratio Lower Upper

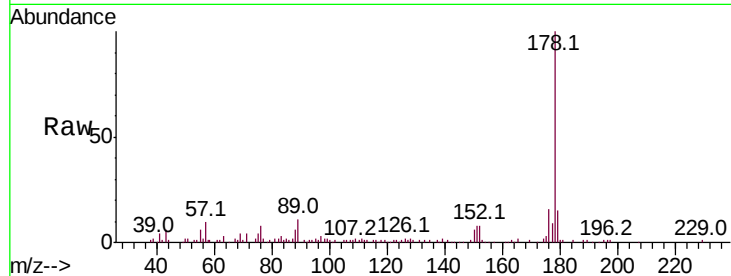
178 100

176 15.9 17.2 25.8#

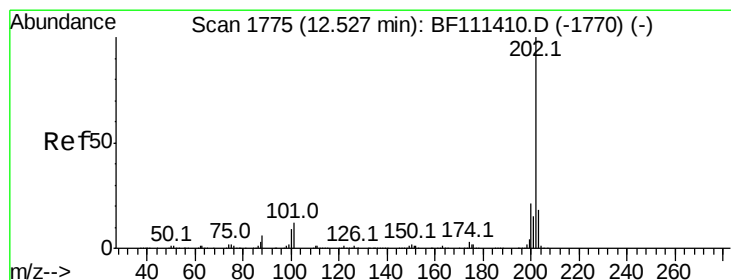
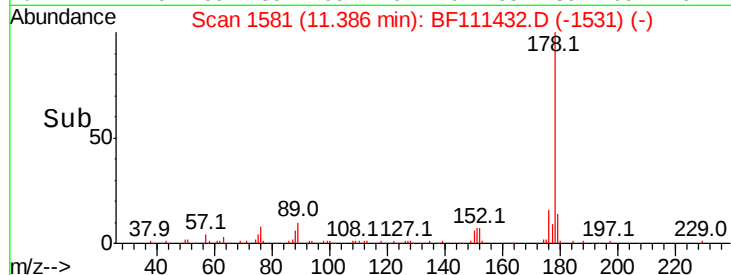
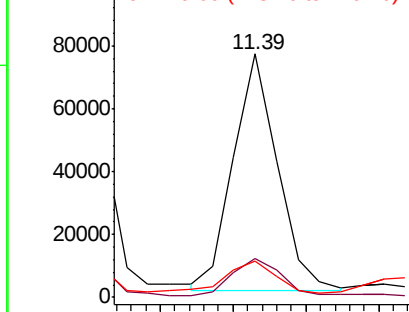
179 14.8 13.8 20.8

Manual Integrations
APPROVED

Sohil
12/17/2018 2:36:50 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



#75

Fluoranthene

Concen: 19.097 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111432.D

Acq: 14 Dec 2018 21:25

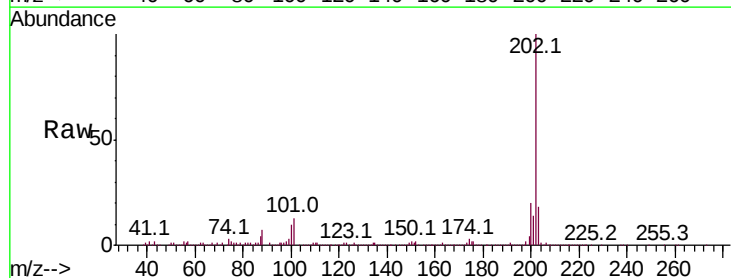
Tgt Ion:202 Resp: 387195

Ion Ratio Lower Upper

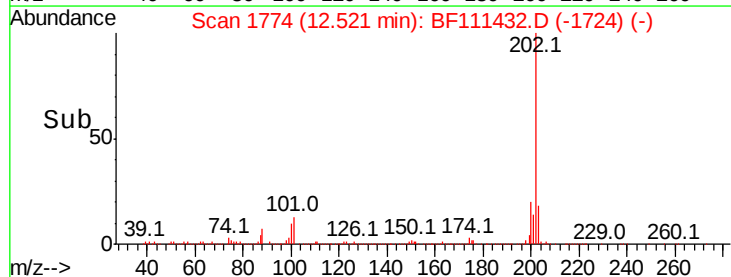
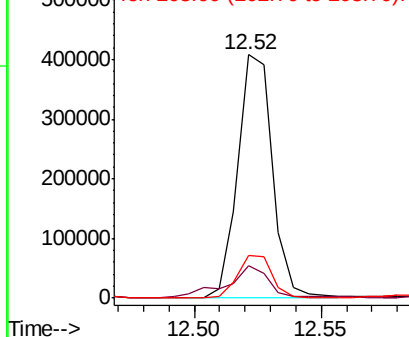
202 100

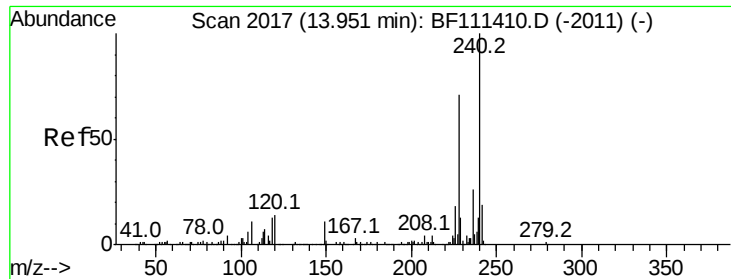
101 13.3 0.0 33.8

203 17.7 0.0 38.6



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





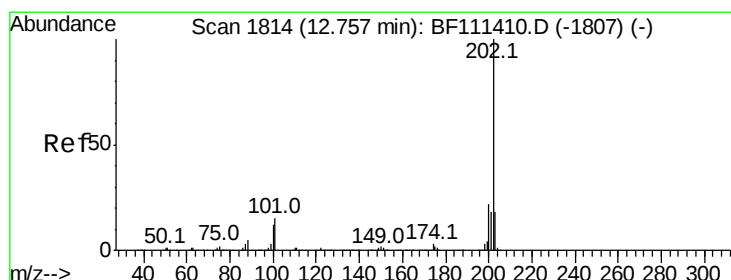
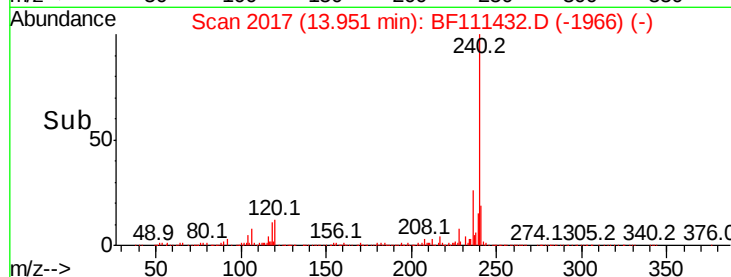
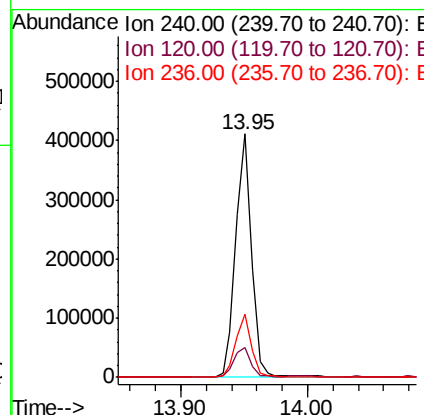
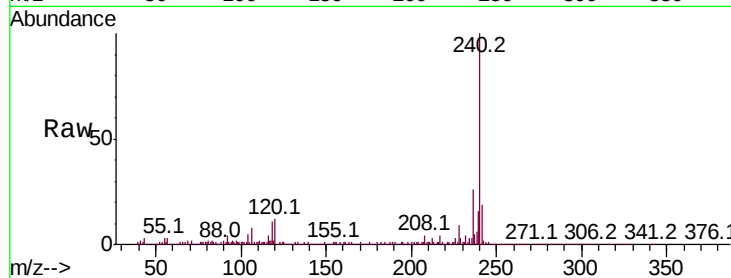
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	353335		
120	12.2		12.2	18.2
236	25.9		20.2	30.2

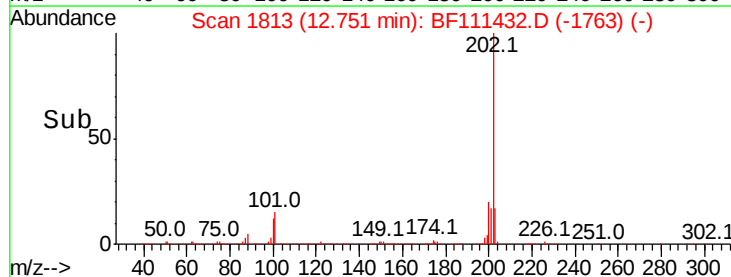
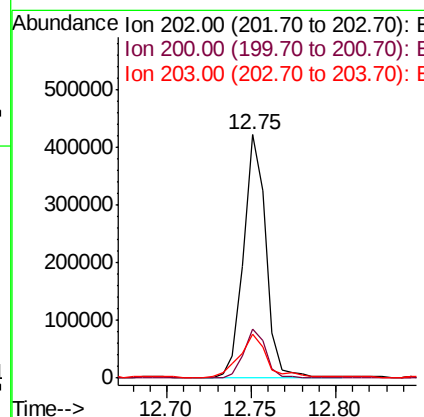
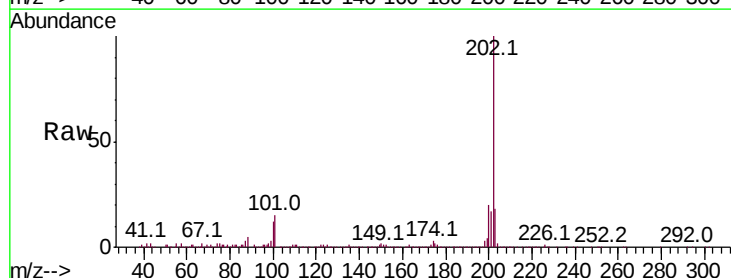
Manual Integrations
APPROVED

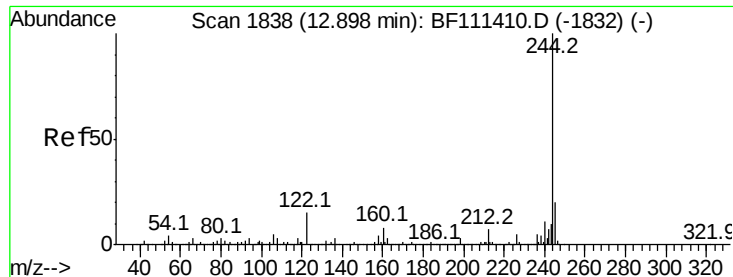
Sohil
12/17/2018 2:36:50 PM



#78
Pyrene
Concen: 15.519 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	386598		
200	20.2		19.0	28.4
203	17.9		15.2	22.8





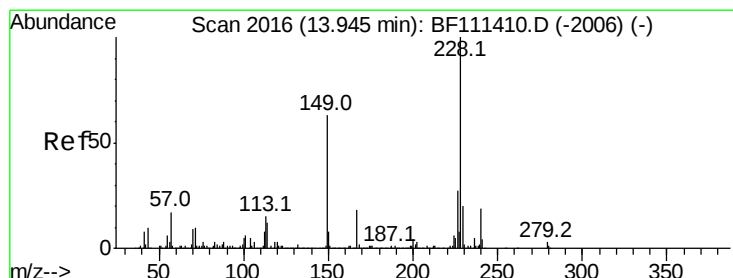
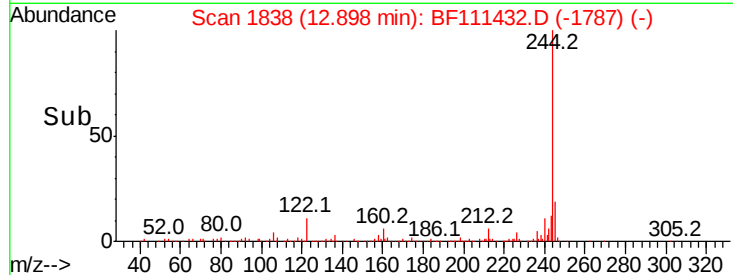
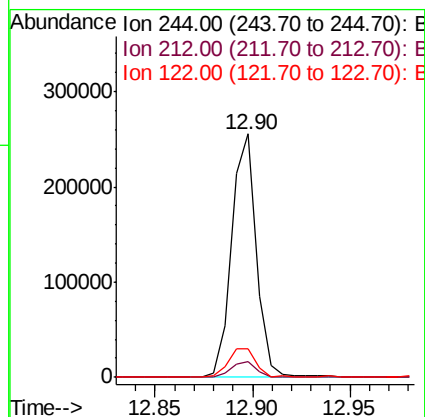
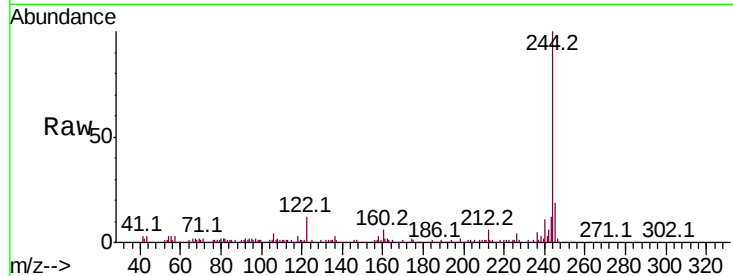
#79
 Terphenyl-d14
 Concen: 14.970 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-B

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.7	8.5
122	11.8	13.1	19.7

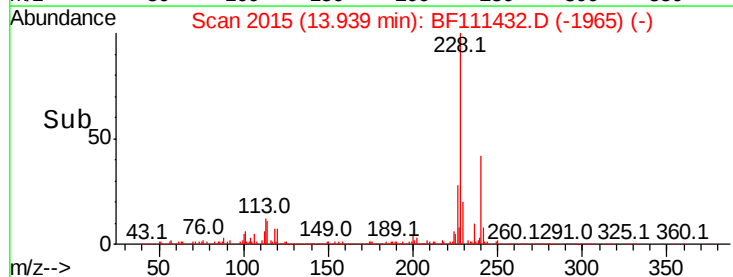
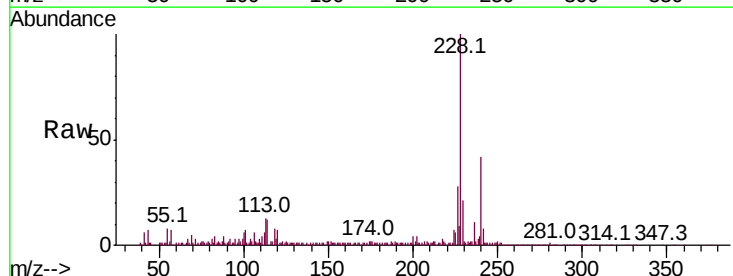
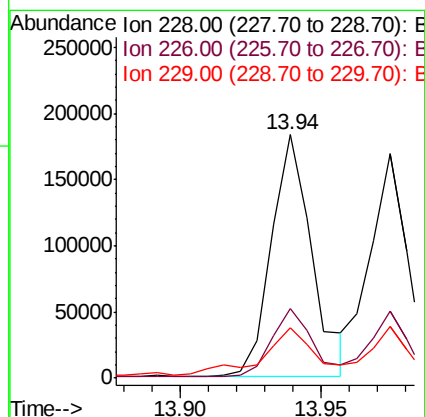
Manual Integrations
 APPROVED

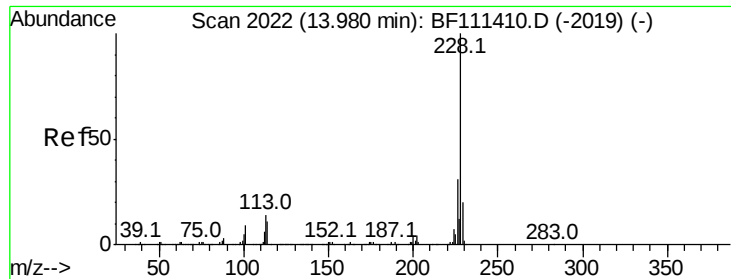
Sohil
 12/17/2018 2:36:50 PM



#81
 Benzo(a)anthracene
 Concen: 9.455 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.4	22.6	34.0
229	20.9	16.3	24.5





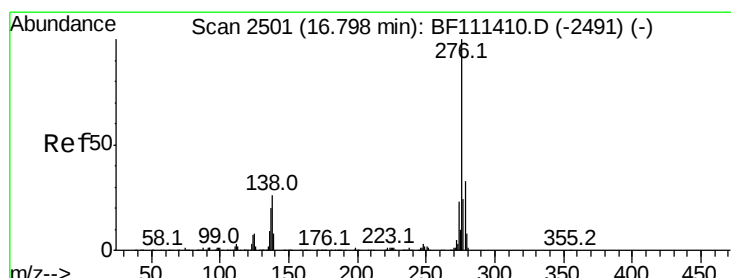
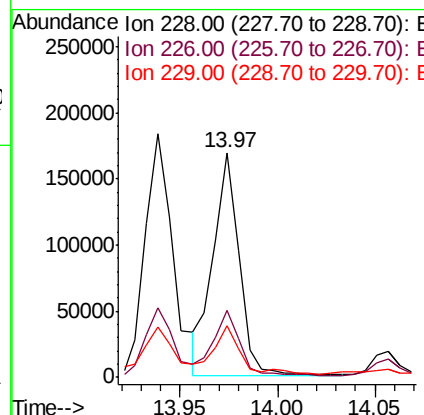
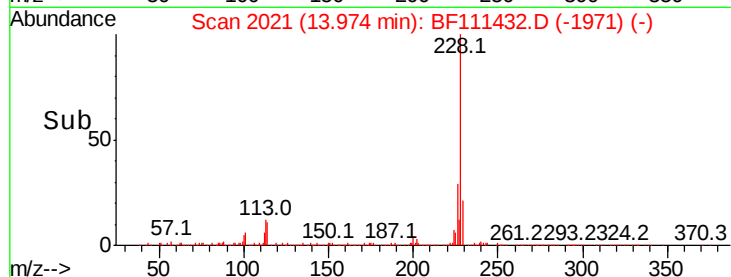
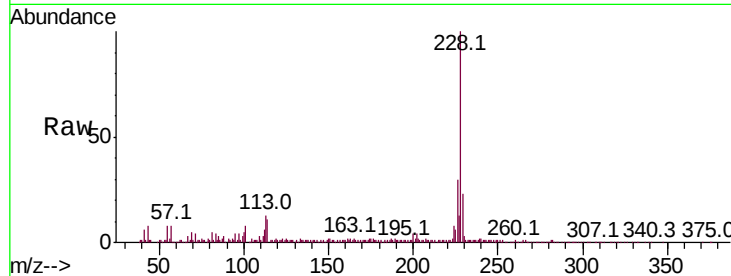
#83
Chrysene
Concen: 7.812 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion:228	Resp:	158104
Ion Ratio	Lower	Upper
228 100		
226 29.7	25.3	37.9
229 23.1	17.2	25.8

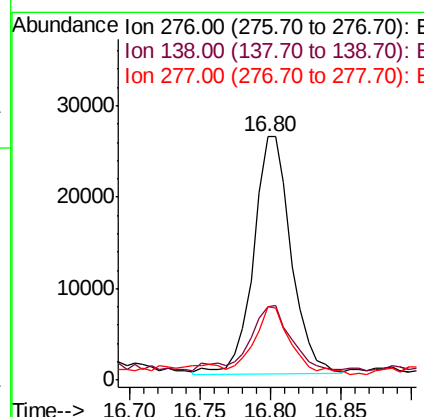
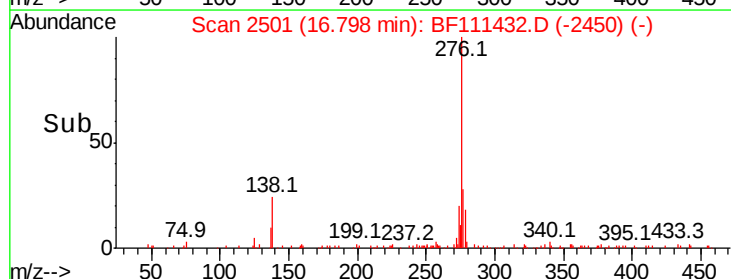
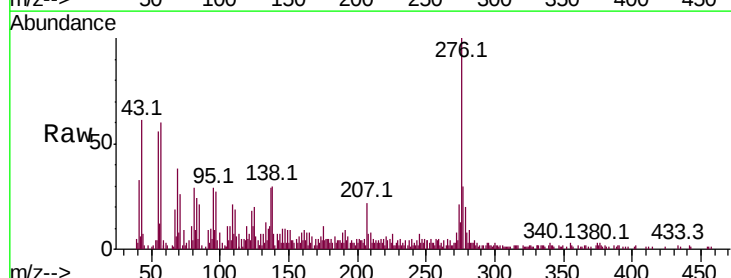
Manual Integrations
APPROVED

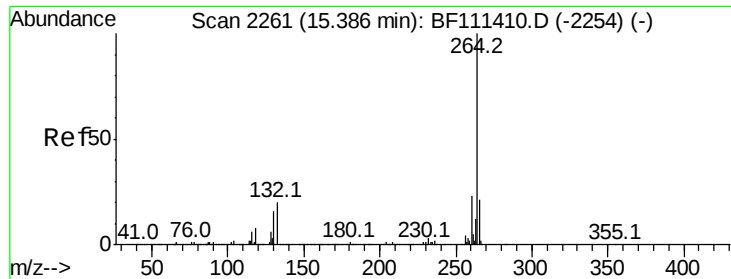
Sohil
12/17/2018 2:36:50 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.317 ng
RT: 16.80 min Scan# 2501
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion:276	Resp:	48453
Ion Ratio	Lower	Upper
276 100		
138 27.0	27.8	41.6#
277 28.2	20.1	30.1





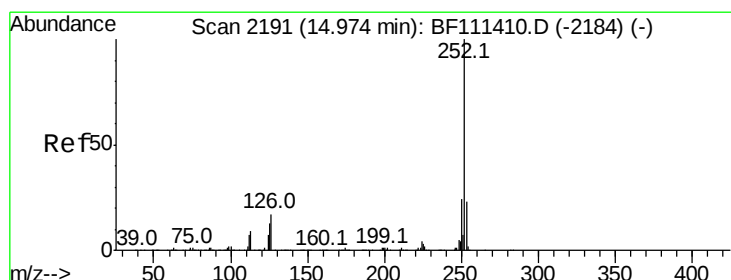
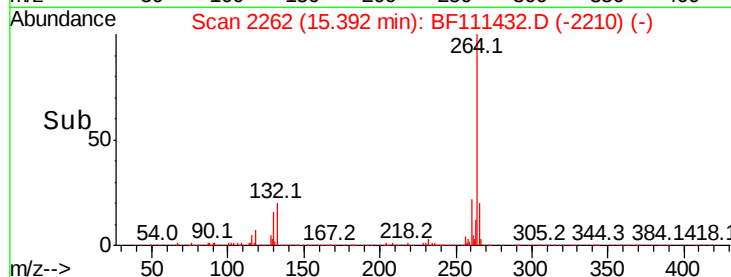
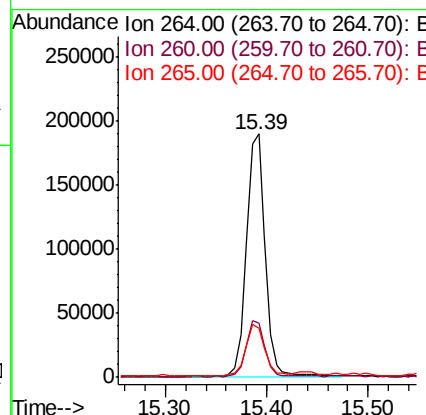
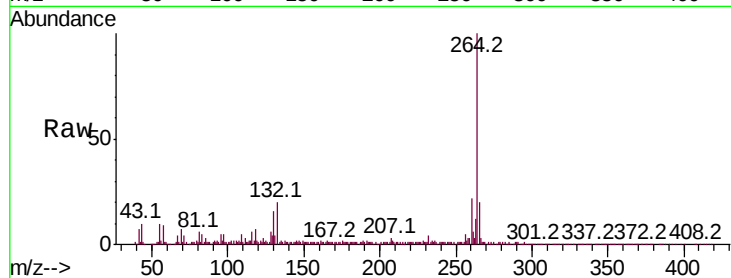
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.3	27.5
265	20.4	17.7	26.5

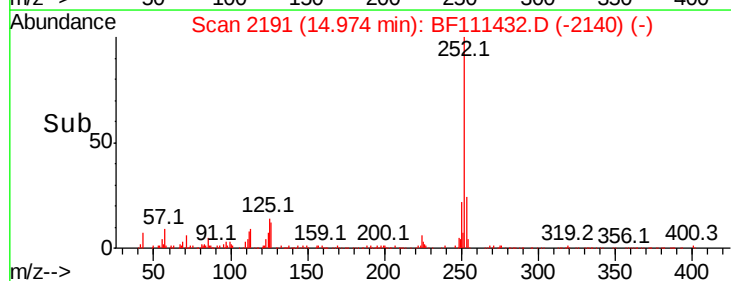
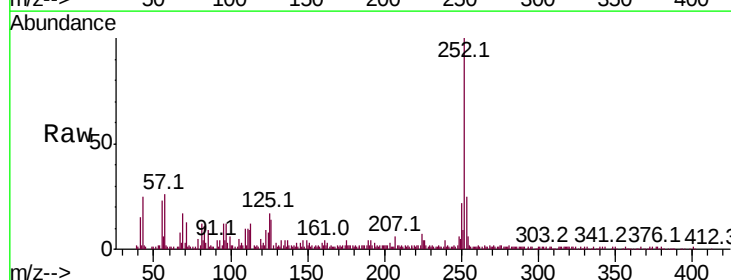
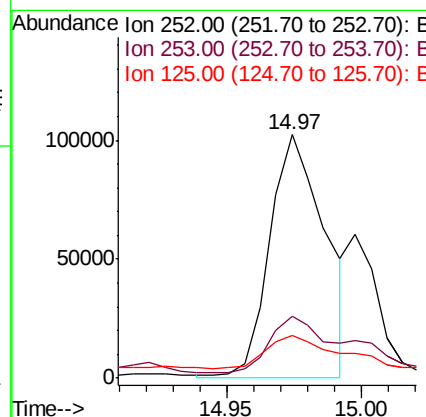
Manual Integrations
APPROVED

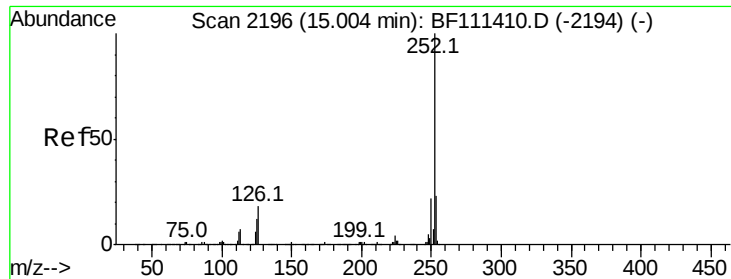
Sohil
12/17/2018 2:36:50 PM



#88
Benzo(b)fluoranthene
Concen: 10.377 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.2
125	17.4	10.4	15.6





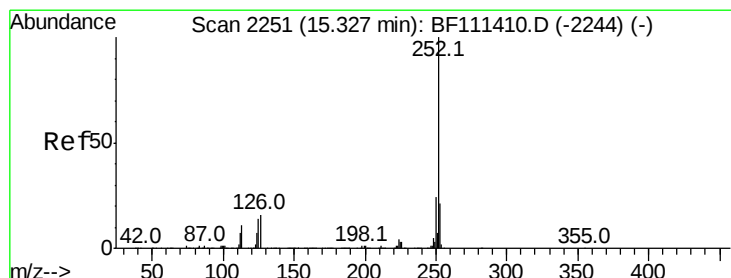
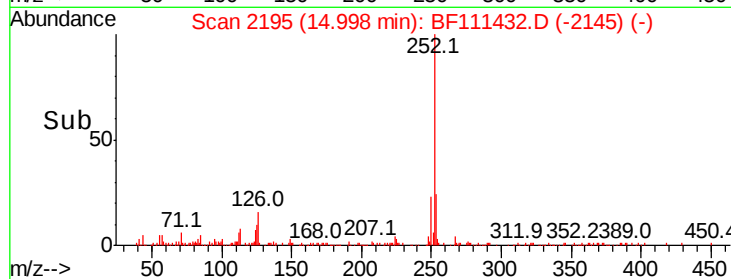
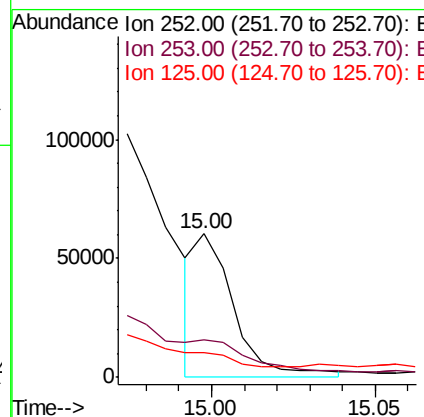
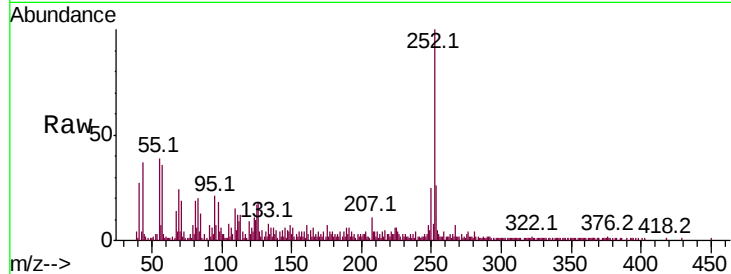
#89
Benzo(k)fluoranthene
Concen: 3.674 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	17.0	9.8	14.8

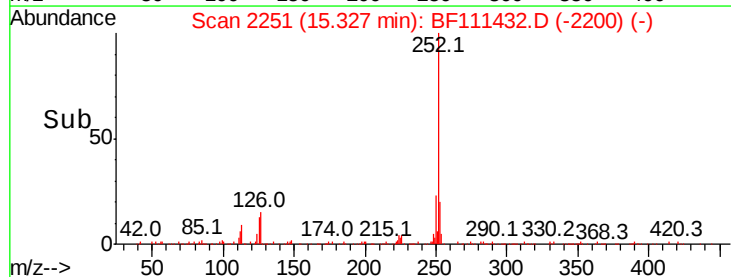
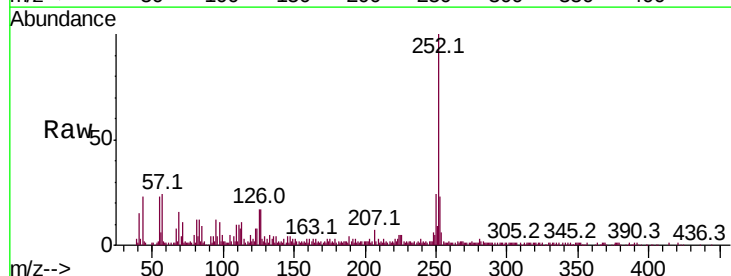
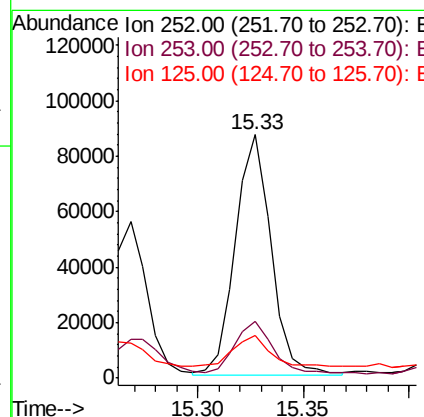
Manual Integrations
APPROVED

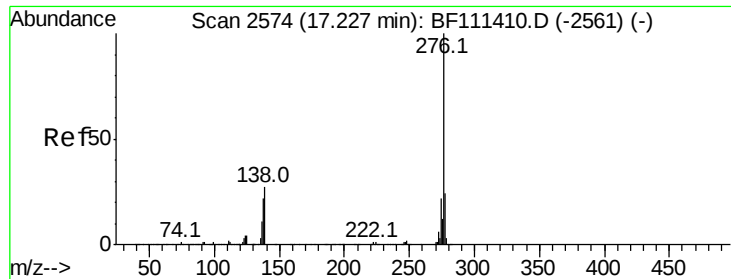
Sohil
12/17/2018 2:36:50 PM



#90
Benzo(a)pyrene
Concen: 8.009 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.00 min
Lab File: BF111432.D
Acq: 14 Dec 2018 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	17.3	12.3	18.5





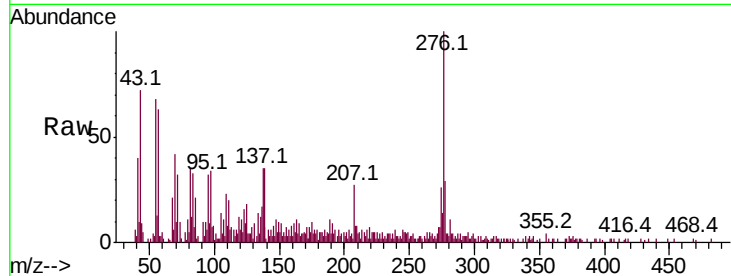
#92
 Benzo(a,h,i)perylene
 Concen: 4.619 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: BF111432.D
 Acq: 14 Dec 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121218-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	19.2	28.8#
138	35.2	24.9	37.3

Manual Integrations
 APPROVED

Sohil
 12/17/2018 2:36:50 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

