

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF110999.D
 Acq On : 27 Nov 2018 10:25
 Operator : JU/SJ
 Sample : J5774-05RE 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-ARE

Manual Integrations
 APPROVED

mohammad
 11/28/2018 4:41:53 PM

Quant Time: Nov 27 13:00:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 06:43:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	54654	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	204102	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	75419	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	121838	20.00	ng	0.00
76) Chrysene-d12	14.13	240	131552	20.00	ng	0.00
87) Perylene-d12	15.67	264	115395	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	163076	49.48	ng	0.00
7) Phenol-d6	6.56	99	206555	48.09	ng	0.00
23) Nitrobenzene-d5	7.50	82	127996	35.89	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	31473	42.02	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	200724	38.56	ng	0.00
79) Terphenyl-d14	13.06	244	165636	24.51	ng	0.00
Target Compounds						
10) Phenol	6.58	94	11209	2.317	ng	92
50) Dimethylphthalate	9.69	163	25204	4.557	ng	99
52) Acenaphthene	10.01	154	12614	2.745	ng	96
58) Fluorene	10.53	166	21445	4.111	ng	96
71) Phenanthrene	11.50	178	120743	18.711	ng	99
72) Anthracene	11.56	178	35164	5.351	ng	97
75) Fluoranthene	12.70	202	151951	22.911	ng	99
78) Pyrene	12.93	202	165035	17.176	ng	97
81) Benzo(a)anthracene	14.12	228	79392	10.222	ng	98
83) Chrysene	14.16	228	73405m	9.601	ng	
86) Indeno(1,2,3-cd)pyrene	17.27	276	23378	4.260	ng	94
88) Benzo(b)fluoranthene	15.22	252	67517m	9.960	ng	
89) Benzo(k)fluoranthene	15.24	252	25635m	3.674	ng	
90) Benzo(a)pyrene	15.61	252	52839	8.374	ng	# 96
92) Benzo(a,h,i)perylene	17.76	276	23201	4.622	ng	96

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

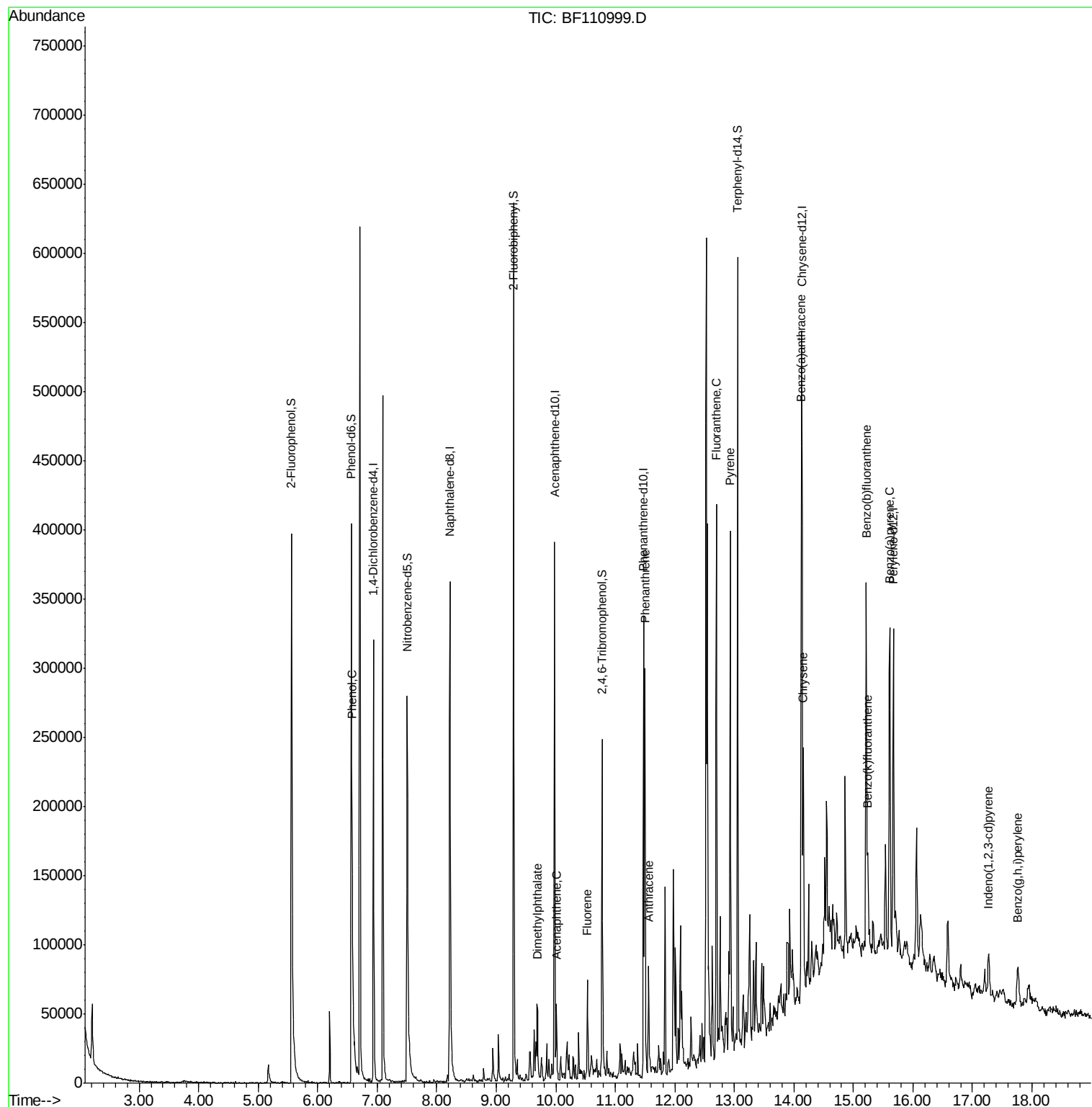
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF110999.D
Acq On : 27 Nov 2018 10:25
Operator : JU/SJ
Sample : J5774-05RE 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 PM

Quant Time: Nov 27 13:00:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 27 06:43:50 2018
Response via : Initial Calibration





#1

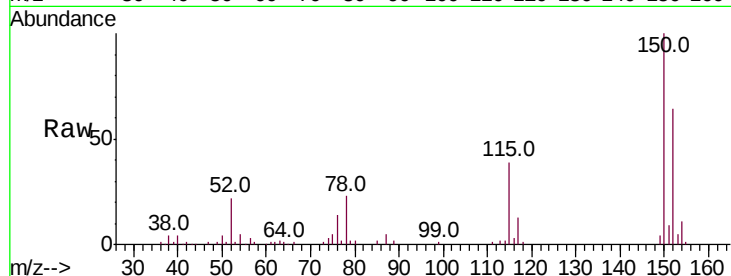
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	122.7	184.1
115	60.6	49.1	73.7

Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 PM

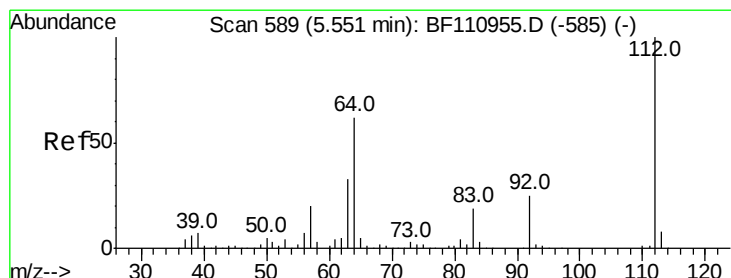
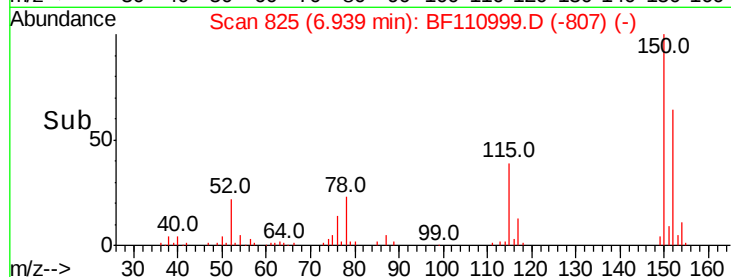
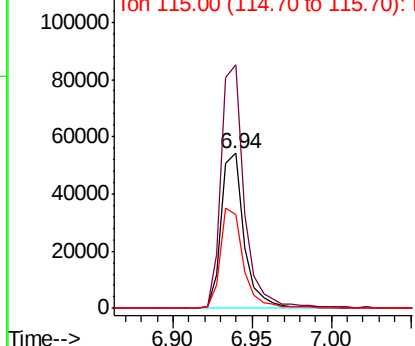


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

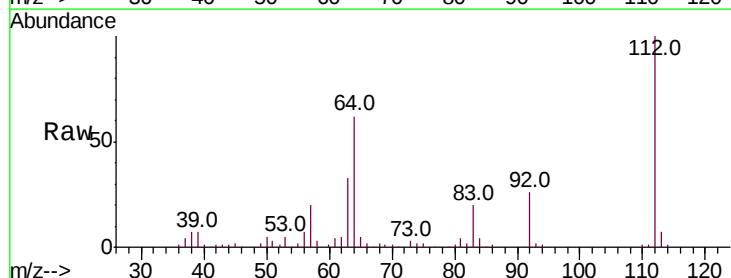
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.481 ng
RT: 5.56 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	44.1	66.1
63	32.9	23.7	35.5

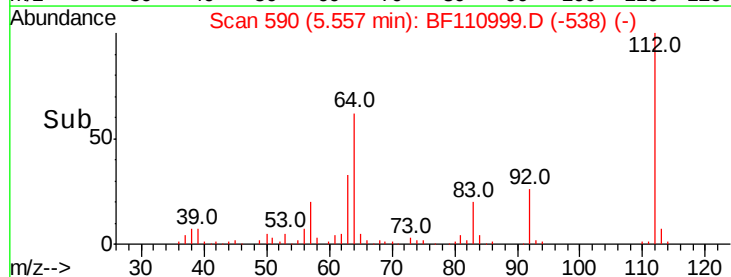
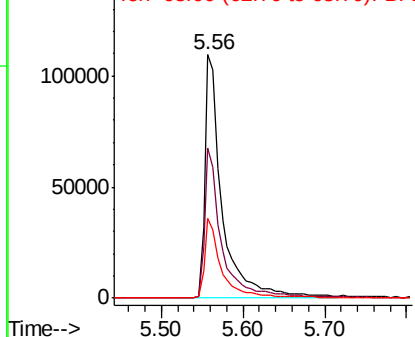


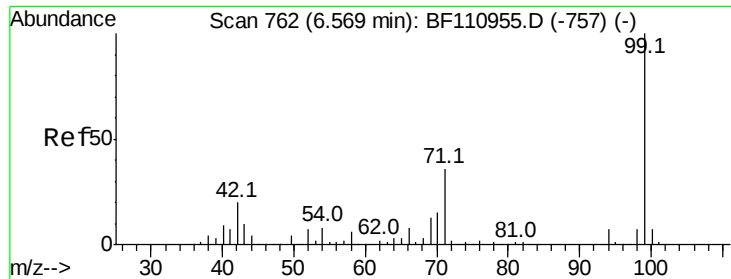
Abundance

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: 48.093 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Instrument :

BNA_F

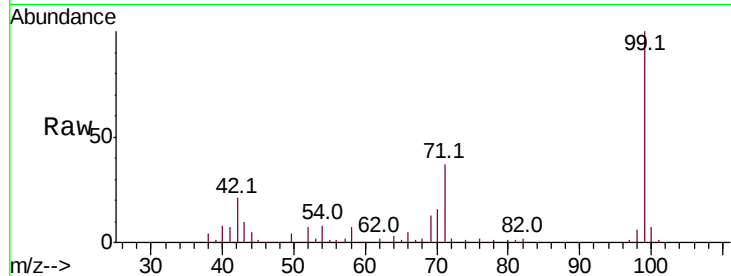
ClientSampleId :

SU-03-112118-ARE

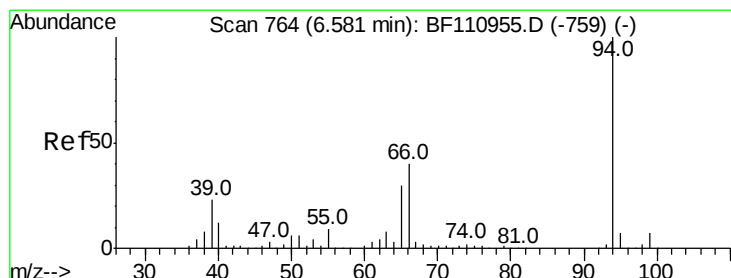
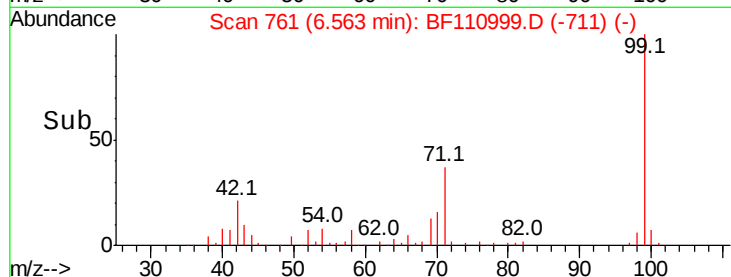
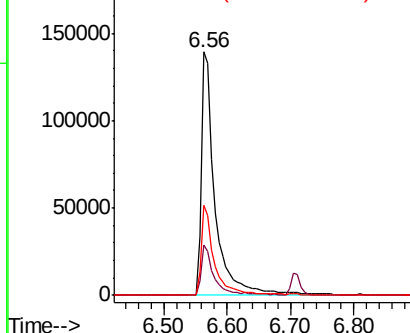
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		206555		
42	20.5	15.8	23.6		
71	36.7	28.0	42.0		

Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 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



#10

Phenol

Concen: 2.317 ng

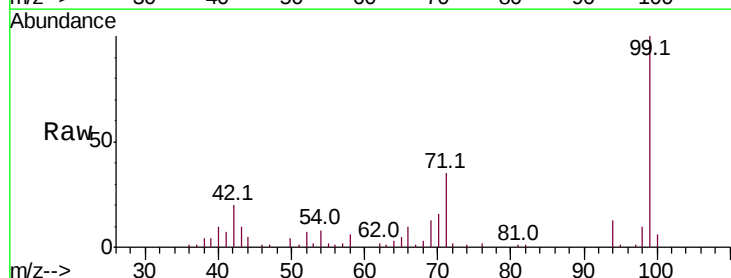
RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

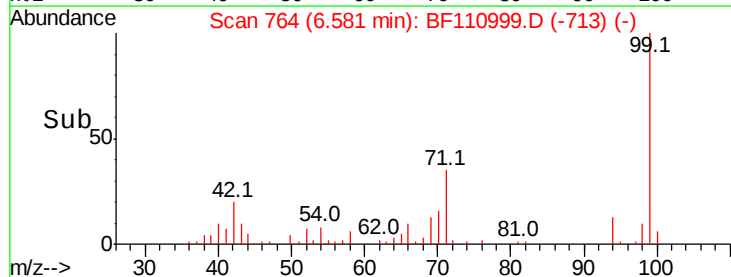
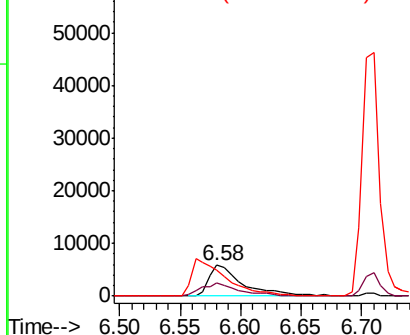
Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		11209		
65	40.8	25.3	65.3		
66	82.2	54.5	94.5		



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





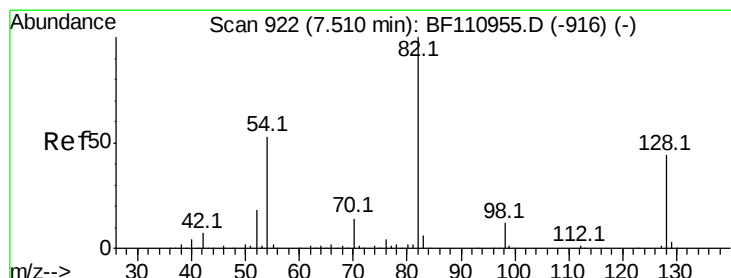
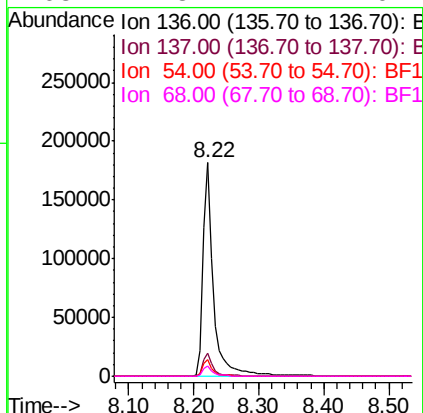
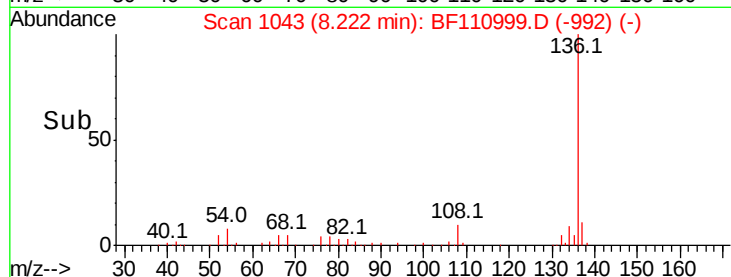
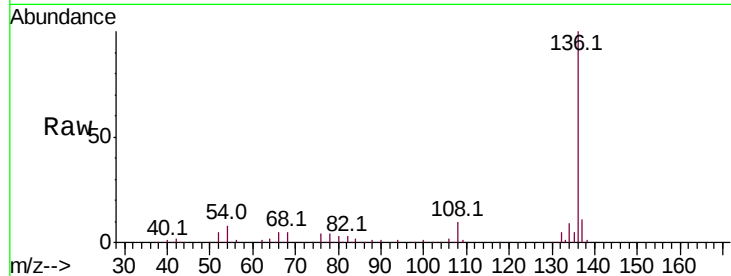
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	204102		
137	10.9		8.8	13.2
54	7.9		5.4	8.2
68	4.8		4.2	6.2

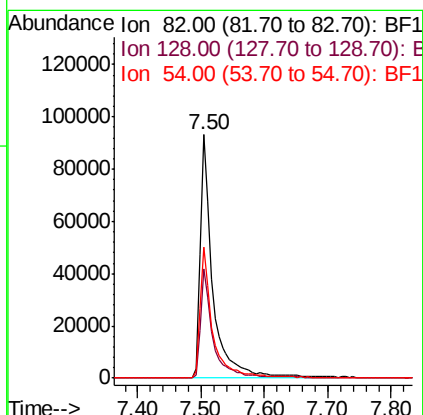
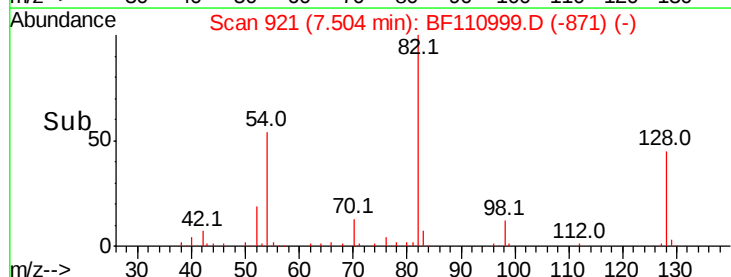
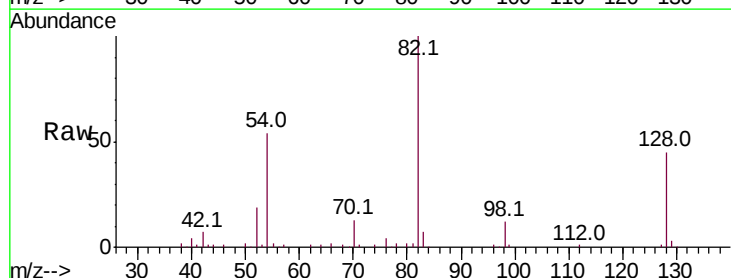
Manual Integrations
APPROVED

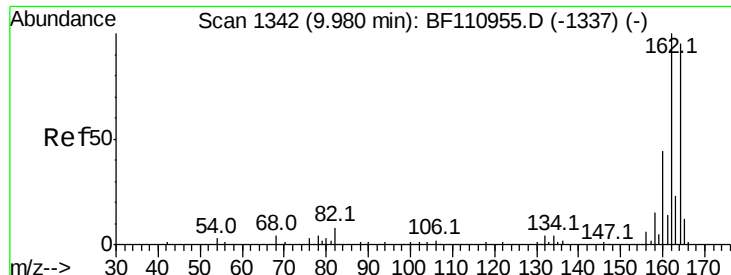
mohammad
11/28/2018 4:41:53 PM



#23
Nitrobenzene-d5
Concen: 35.890 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	127996		
128	45.0		34.2	51.2
54	53.9		38.6	58.0





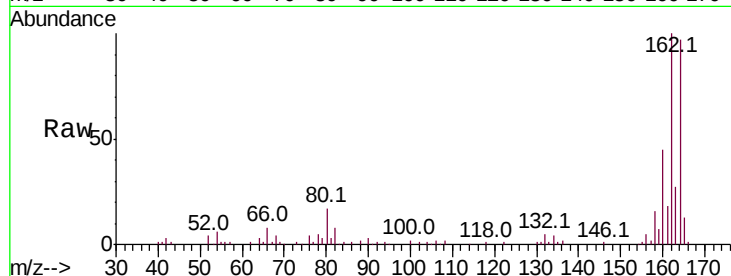
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.0	124.6
160	46.8	37.0	55.6

Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 PM

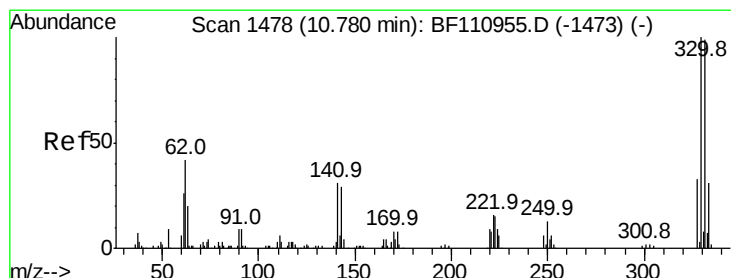
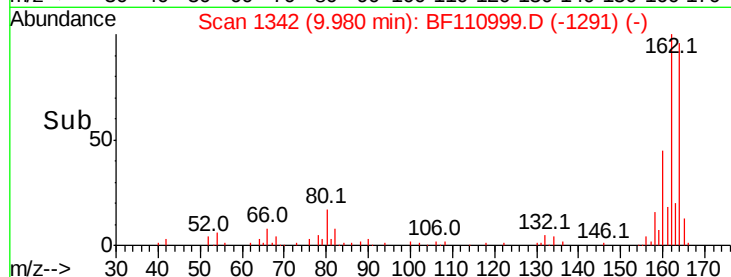
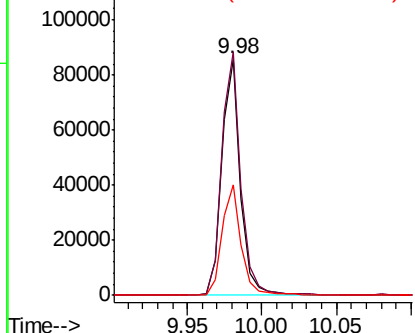


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 42.019 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

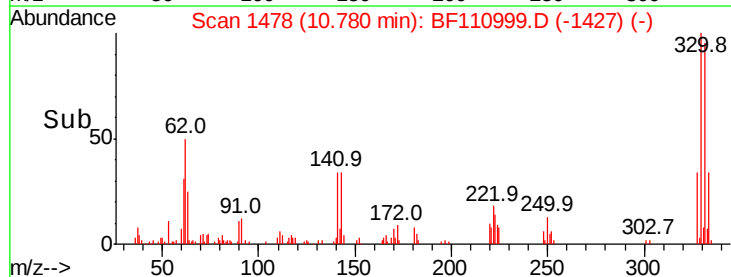
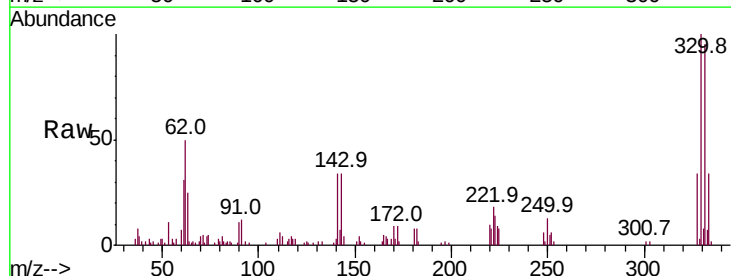
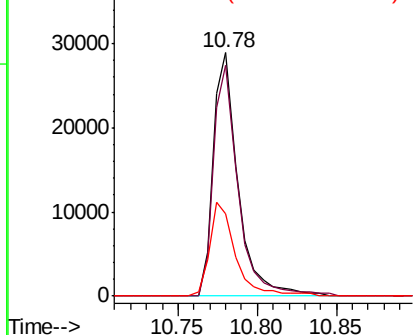
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.1	115.7
141	40.4	27.0	40.4#

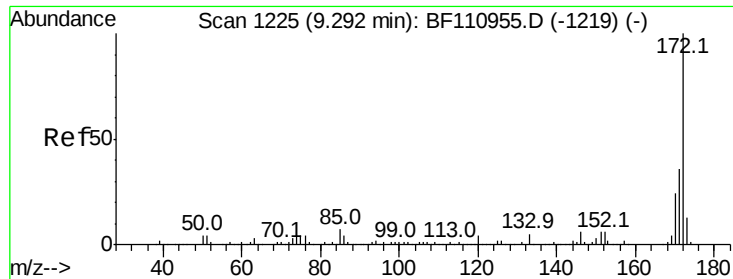
Abundance

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





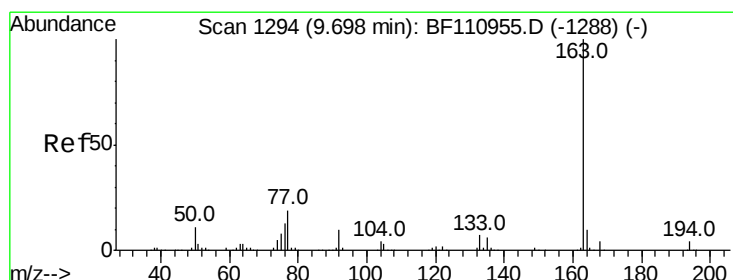
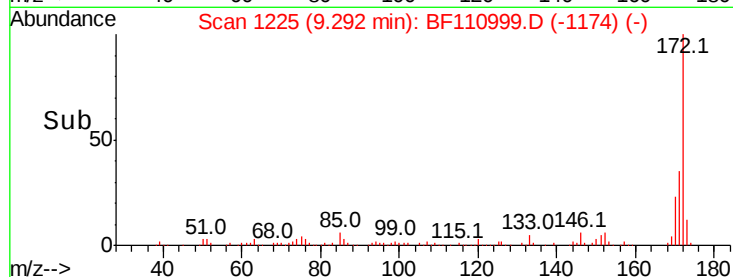
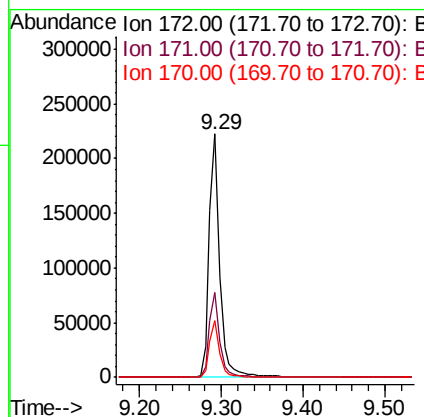
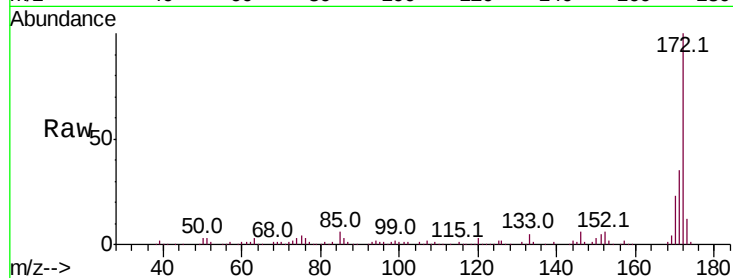
#45
2-Fluorobiphenyl
Concen: 38.558 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	200724		
171	34.8		28.6	43.0
170	23.1		19.7	29.5

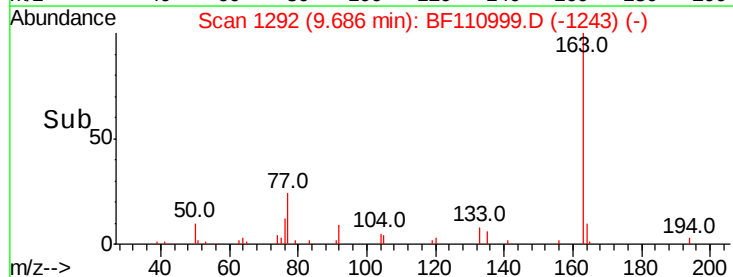
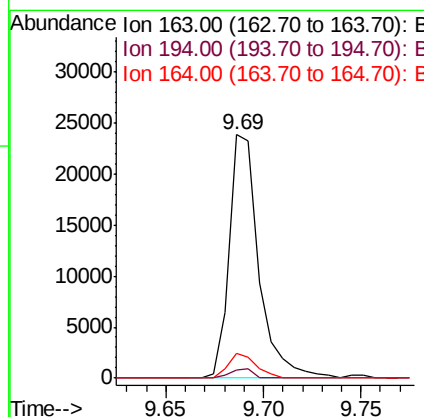
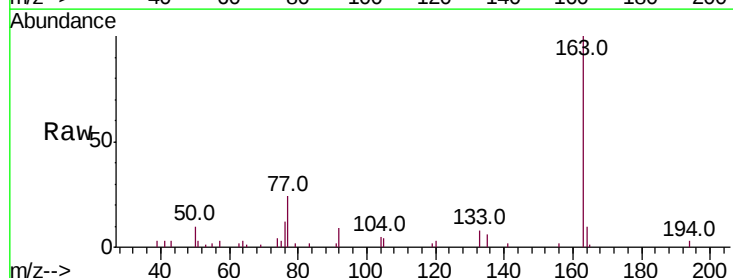
Manual Integrations
APPROVED

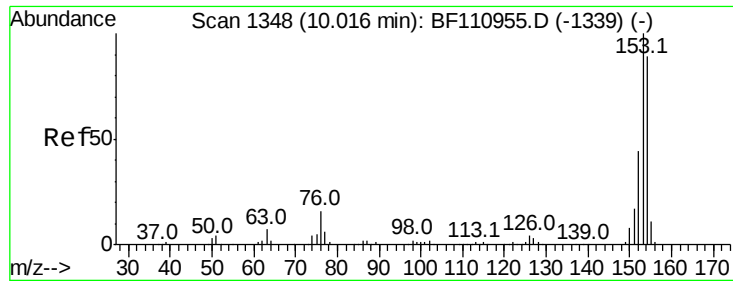
mohammad
11/28/2018 4:41:53 PM



#50
Dimethylphthalate
Concen: 4.557 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	25204		
194	3.5		3.2	4.8
164	10.0		8.1	12.1





#52

Acenaphthene

Concen: 2.745 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Instrument :

BNA_F

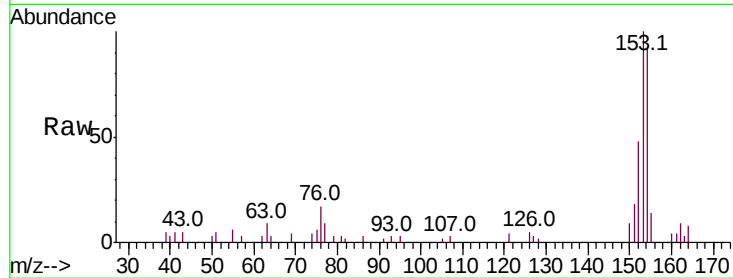
ClientSampleId :

SU-03-112118-ARE

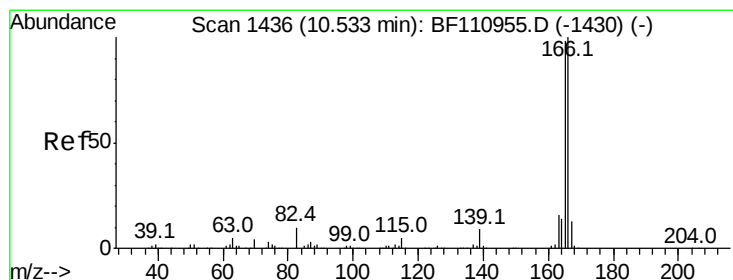
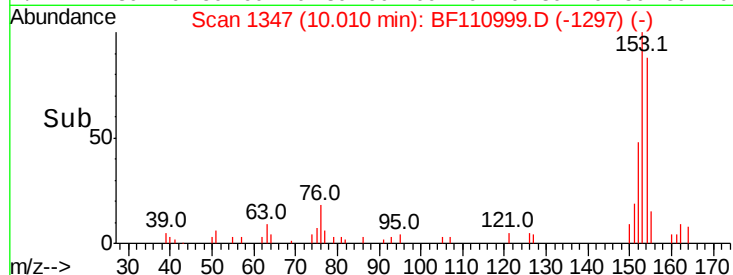
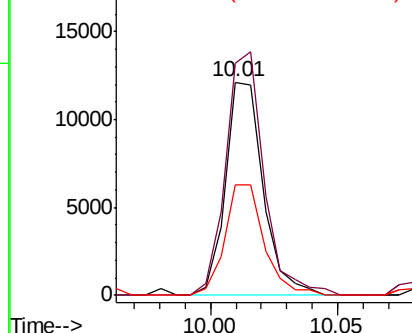
Tot Ion:	154	Resp:	12614
Ion Ratio	Lower	Upper	
154	100		
153	108.8	90.1	135.1
152	51.8	43.4	65.2

Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 4.111 ng

RT: 10.53 min Scan# 1436

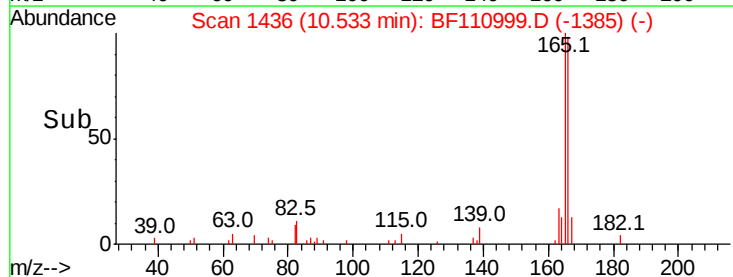
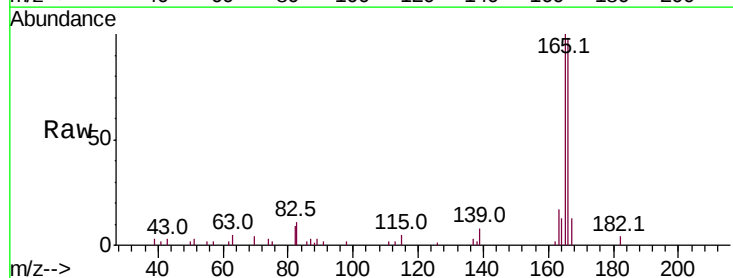
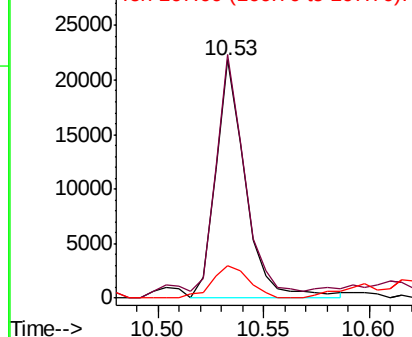
Delta R.T. -0.00 min

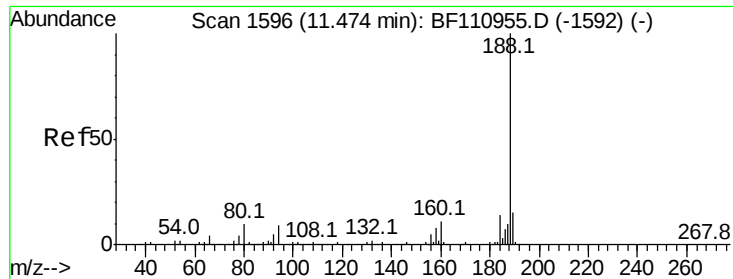
Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Tgt Ion:	166	Resp:	21445
Ion Ratio	Lower	Upper	
166	100		
165	102.1	78.6	117.8
167	13.7	10.8	16.2

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





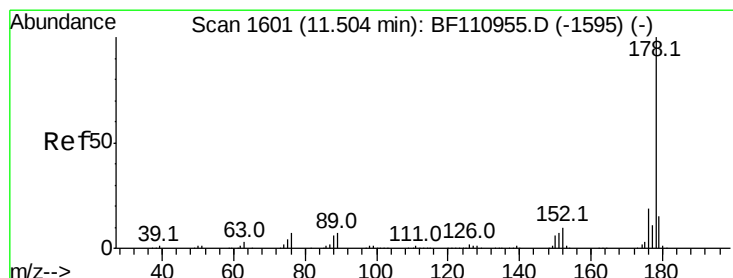
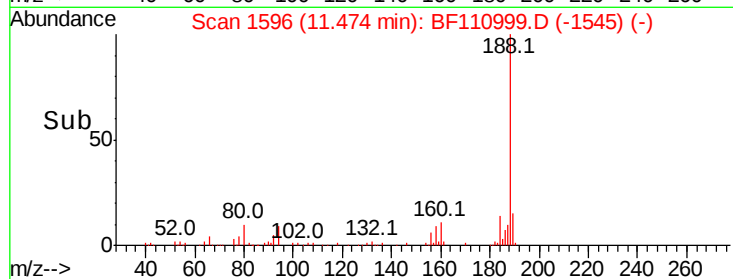
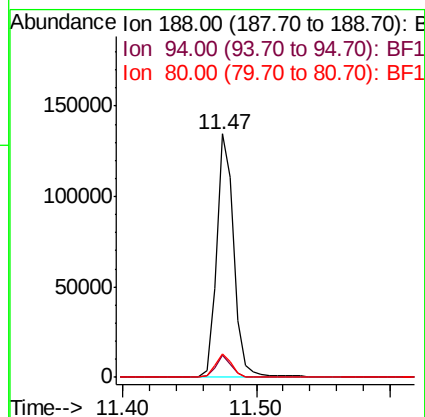
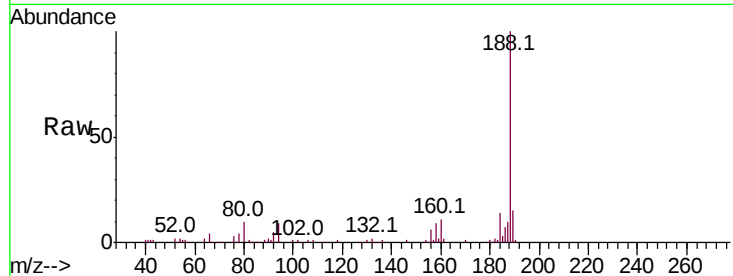
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion:188	Resp:	121838
Ion Ratio	Lower	Upper
188 100		
94 9.1	7.2	10.8
80 9.7	7.9	11.9

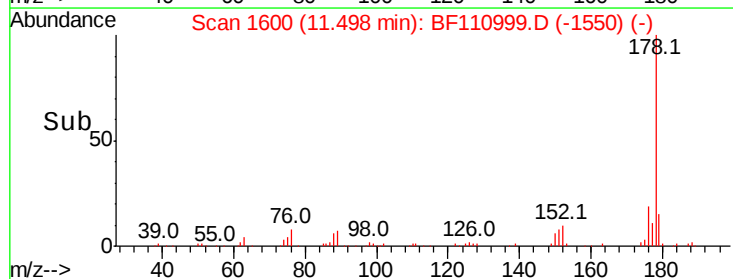
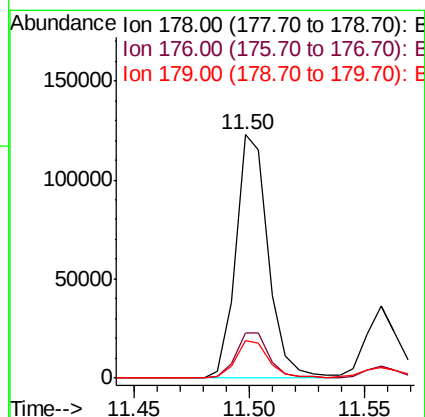
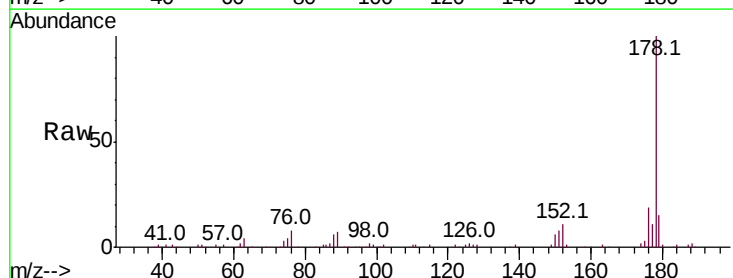
Manual Integrations
APPROVED

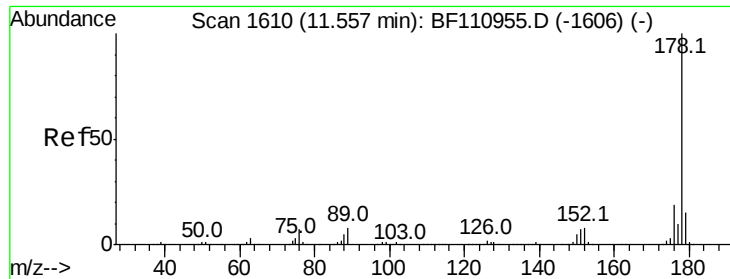
mohammad
11/28/2018 4:41:53 PM



#71
Phenanthrene
Concen: 18.711 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Tgt Ion:178	Resp:	120743
Ion Ratio	Lower	Upper
178 100		
176 18.5	15.5	23.3
179 15.5	12.5	18.7





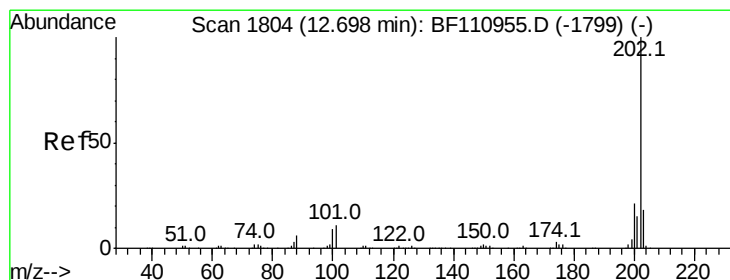
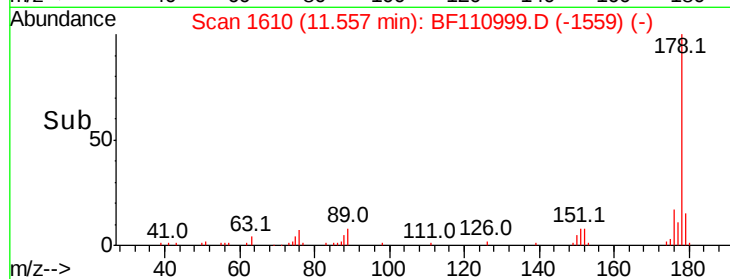
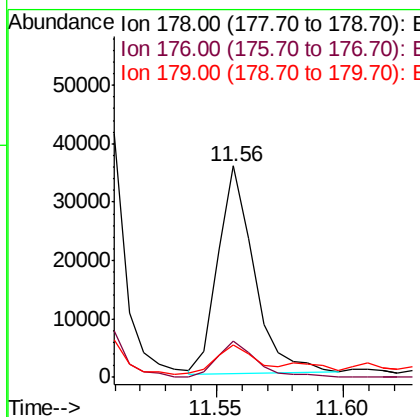
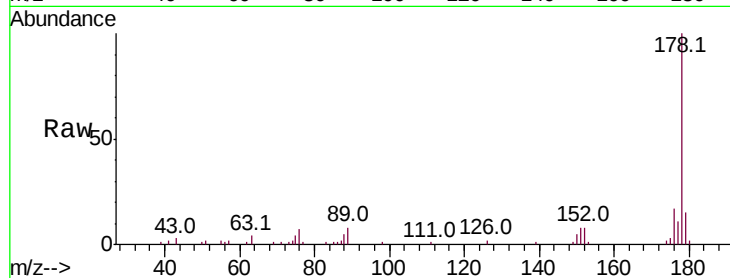
#72
 Anthracene
 Concen: 5.351 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF110999.D
 Acq: 27 Nov 2018 10:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-ARE

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.2	12.6	18.8

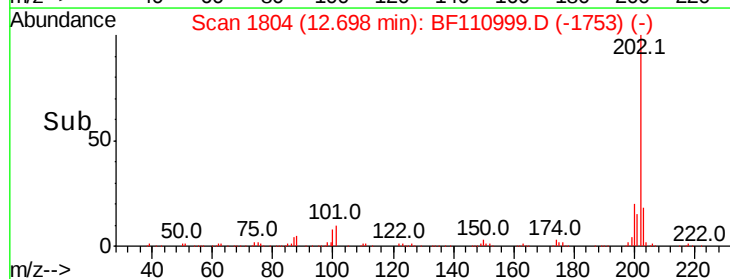
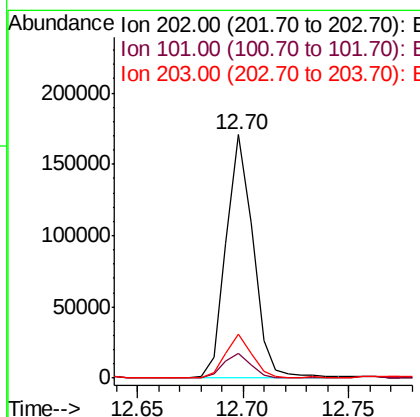
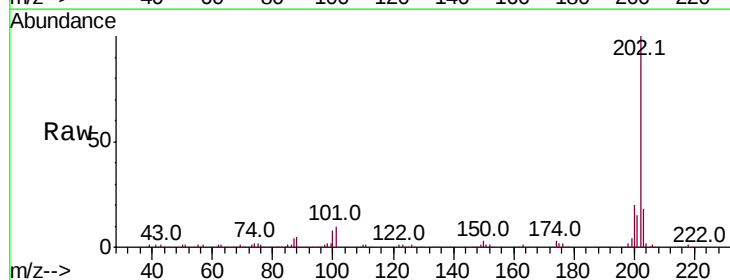
Manual Integrations
 APPROVED

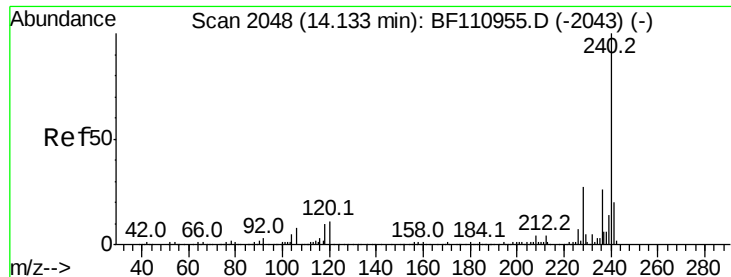
mohammad
 11/28/2018 4:41:53 PM



#75
 Fluoranthene
 Concen: 22.911 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: BF110999.D
 Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	17.8	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Instrument :

BNA_F

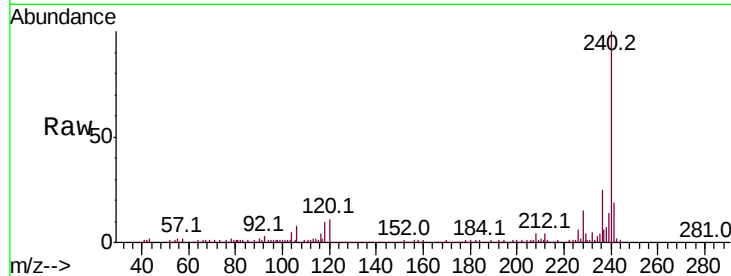
ClientSampleId :

SU-03-112118-ARE

Tot Ion:	240	Resp:	131552
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.3	12.5
236	25.0	21.2	31.8

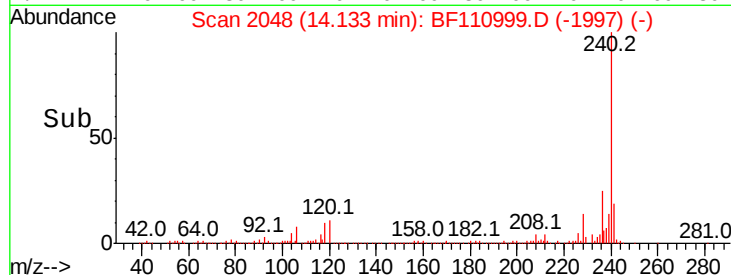
Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 PM

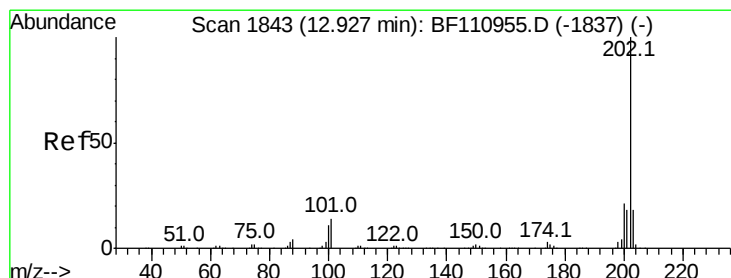


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.13



Time-->



#78

Pyrene

Concen: 17.176 ng

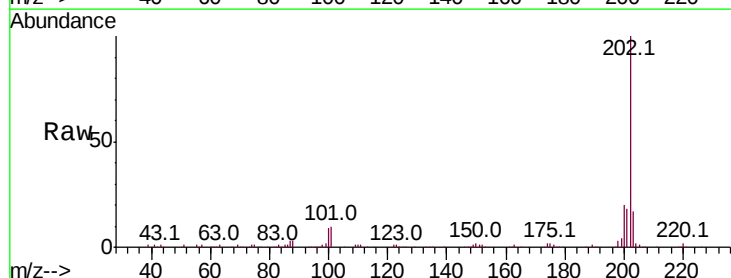
RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF110999.D

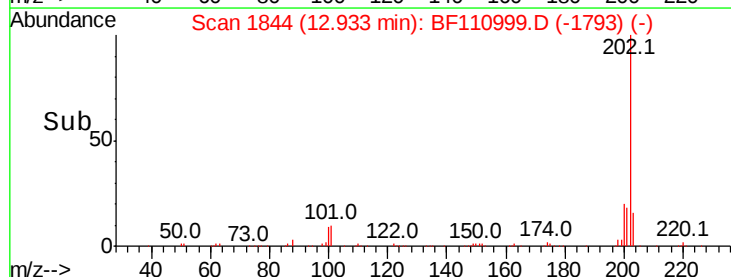
Acq: 27 Nov 2018 10:25

Tgt Ion:	202	Resp:	165035
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.8	26.6
203	17.4	14.2	21.4

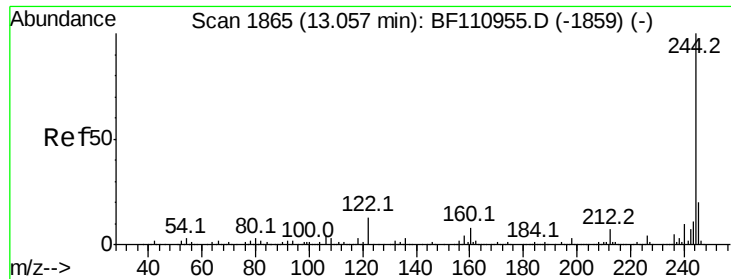


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.93



Time-->



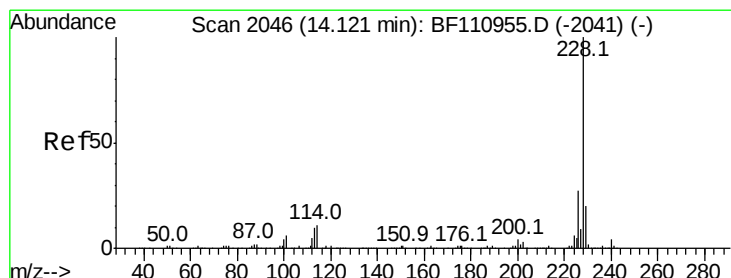
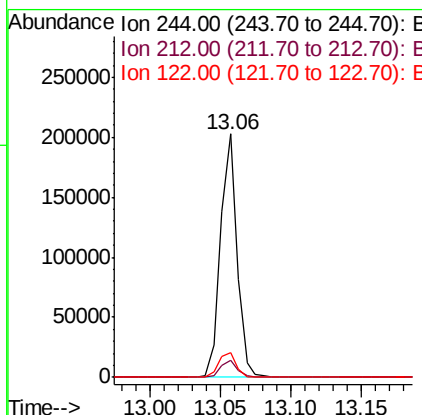
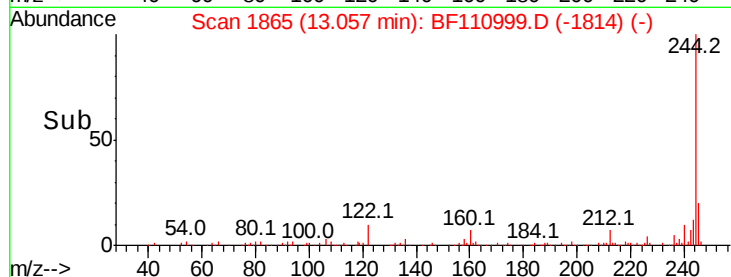
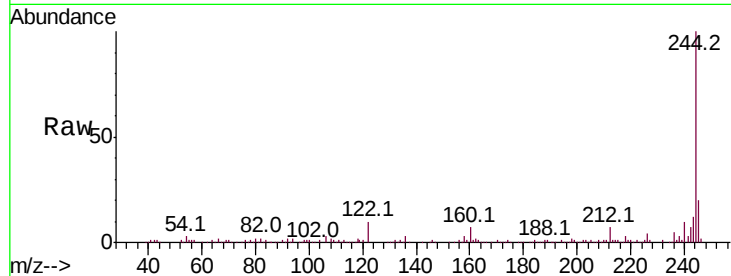
#79
 Terphenyl-d14
 Concen: 24.510 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: BF110999.D
 Acq: 27 Nov 2018 10:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-ARE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.4	8.7	13.1

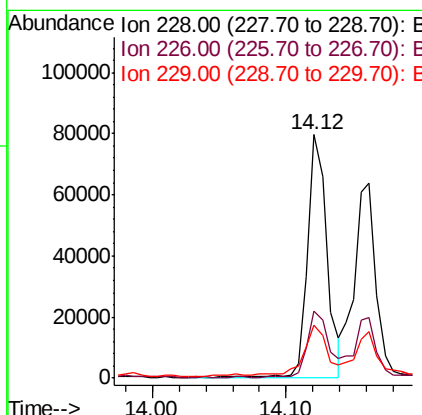
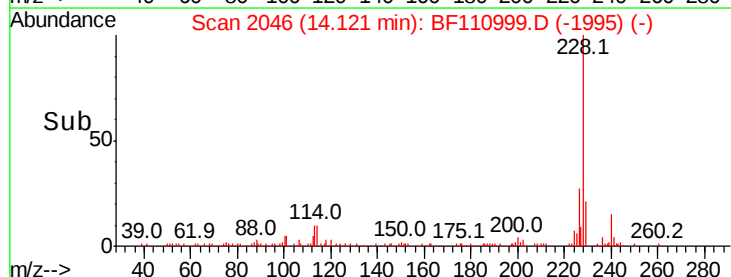
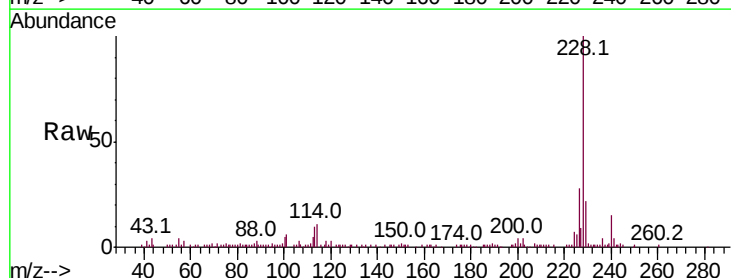
Manual Integrations
 APPROVED

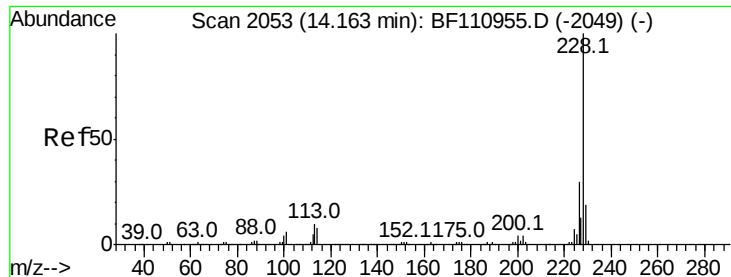
mohammad
 11/28/2018 4:41:53 PM



#81
 Benzo(a)anthracene
 Concen: 10.222 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: BF110999.D
 Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	21.8	15.6	23.4





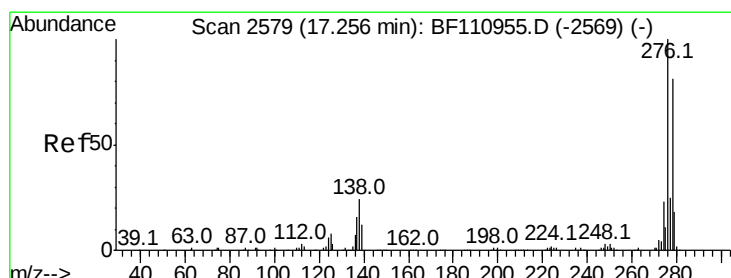
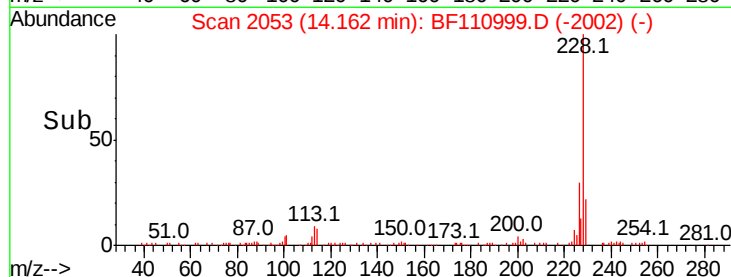
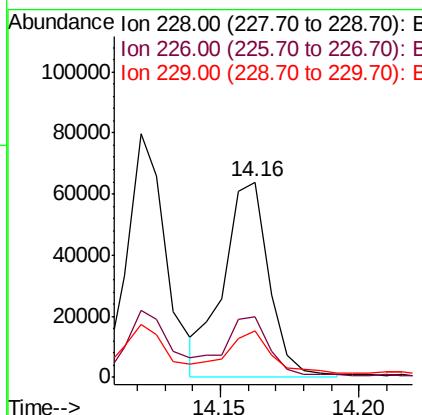
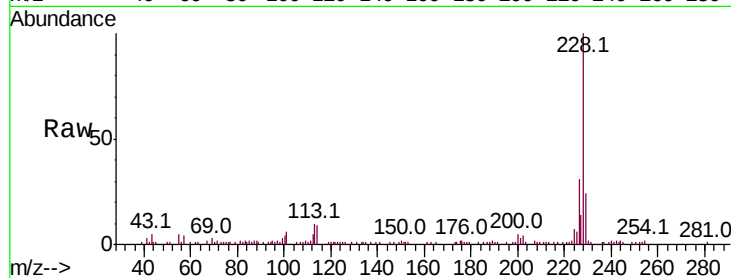
#83
Chrysene
Concen: 9.601 ng m
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	24.1	15.9	23.9

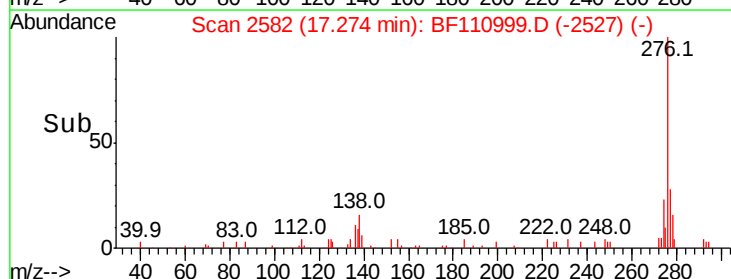
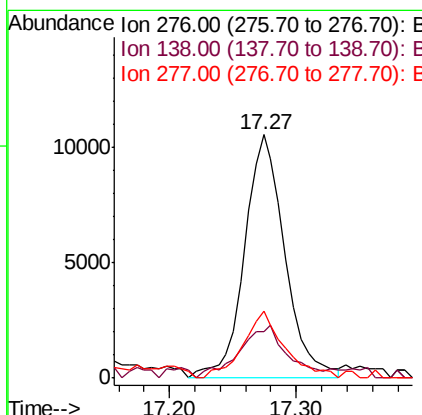
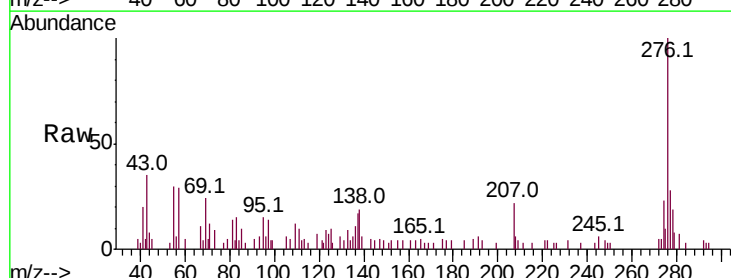
Manual Integrations
APPROVED

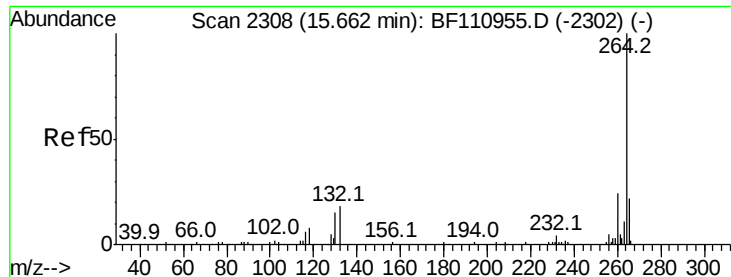
mohammad
11/28/2018 4:41:53 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.260 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.02 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.5	27.7
277	28.2	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Instrument :

BNA_F

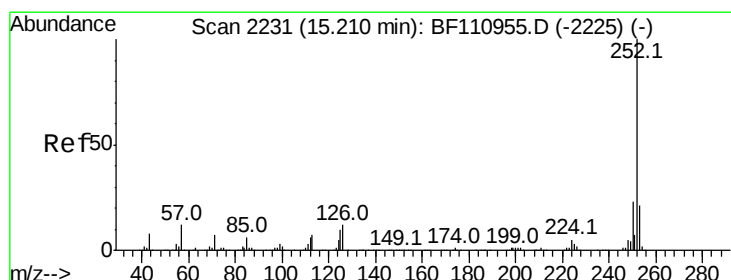
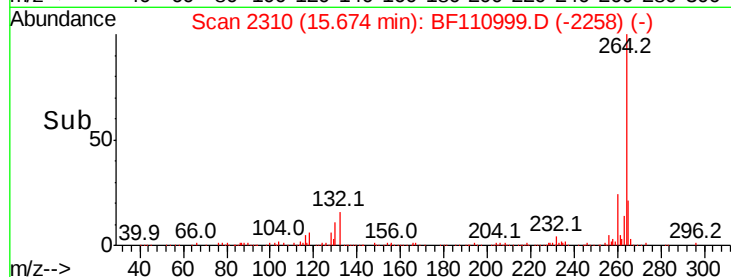
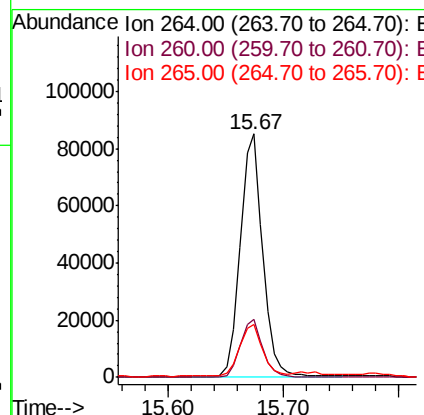
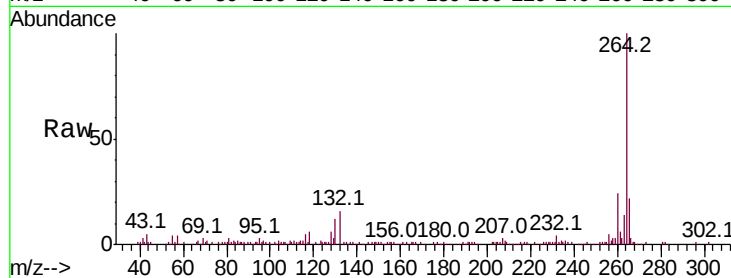
ClientSampleId :

SU-03-112118-ARE

Tot Ion:	264	Resp:	115395
Ion Ratio		Lower	Upper
264	100		
260	23.6	18.7	28.1
265	21.8	16.7	25.1

Manual Integrations
APPROVED

mohammad
11/28/2018 4:41:53 PM



#88

Benzo(b)fluoranthene

Concen: 9.960 ng m

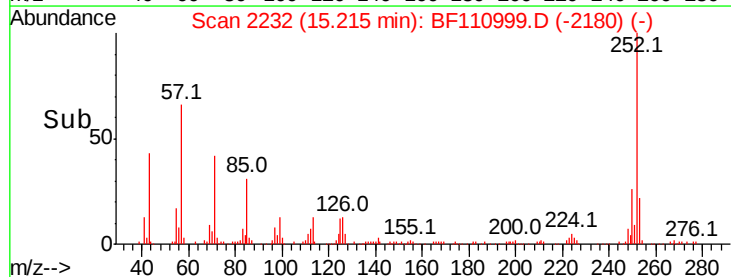
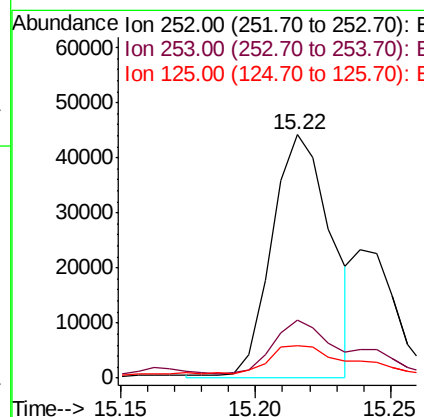
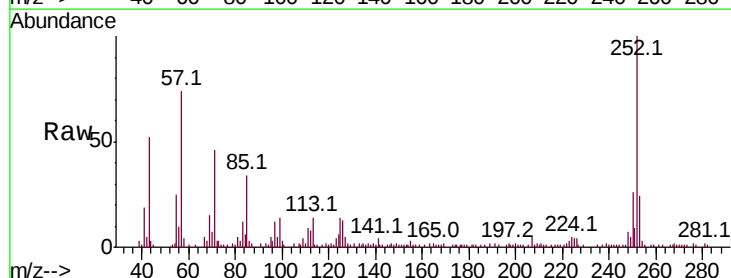
RT: 15.22 min Scan# 2232

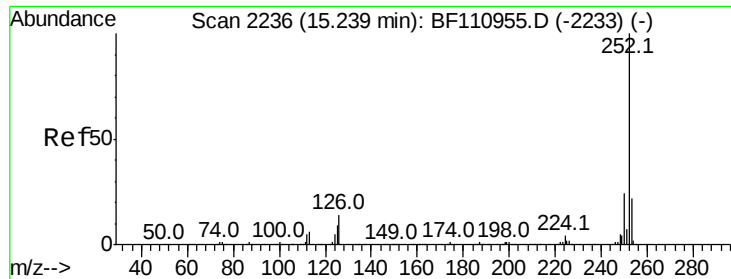
Delta R.T. 0.01 min

Lab File: BF110999.D

Acq: 27 Nov 2018 10:25

Tgt Ion:	252	Resp:	67517
Ion Ratio		Lower	Upper
252	100		
253	23.9	17.2	25.8
125	13.6	8.2	12.4#





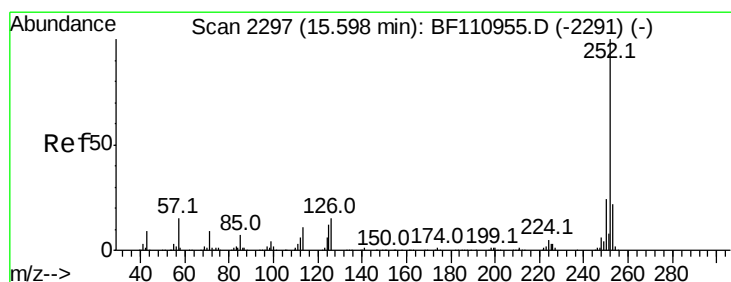
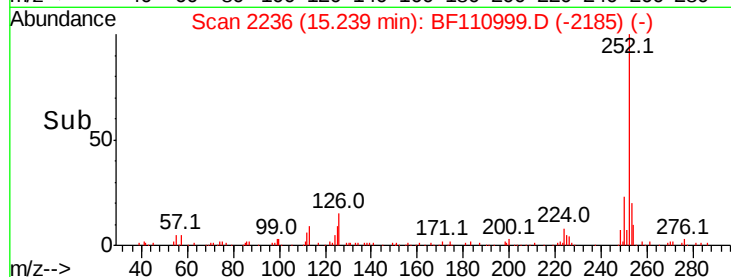
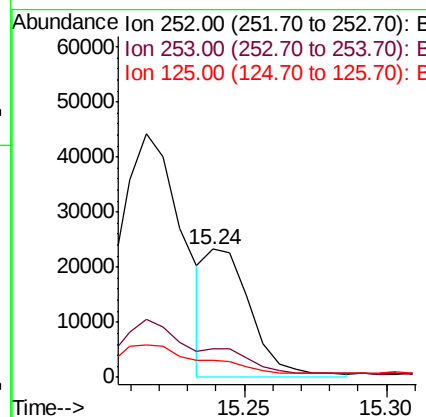
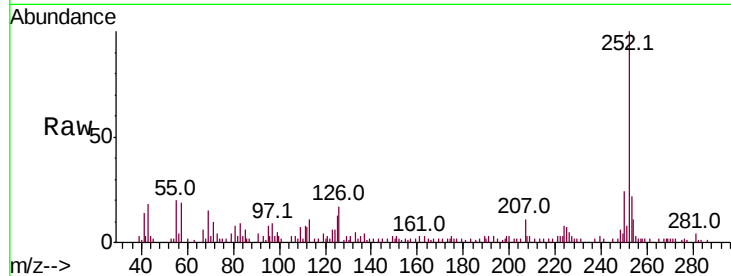
#89
Benzo(k)fluoranthene
Concen: 3.674 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Instrument :
BNA_F
ClientSampleId :
SU-03-112118-ARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	13.1	7.4	11.0#

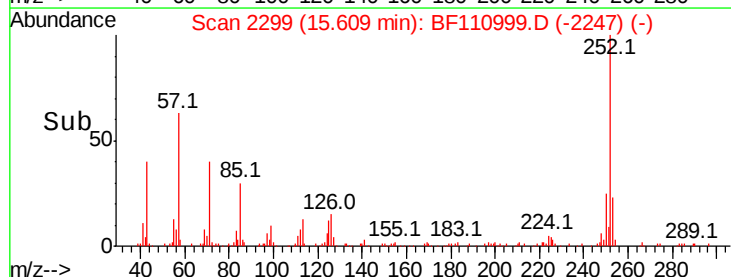
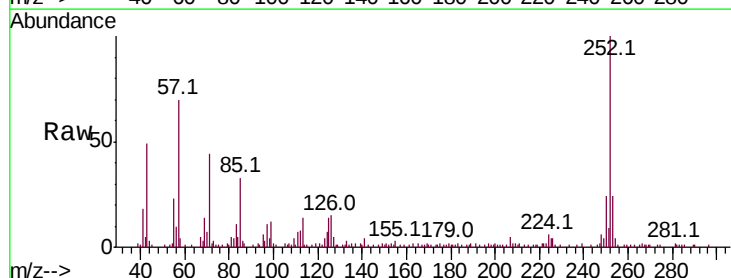
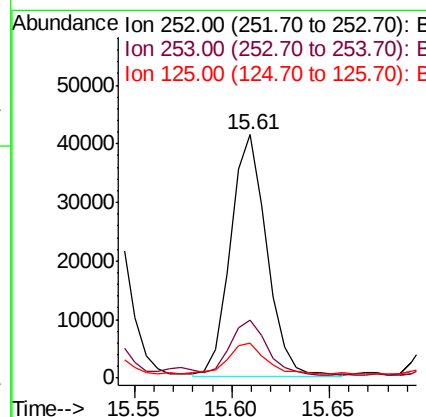
Manual Integrations
APPROVED

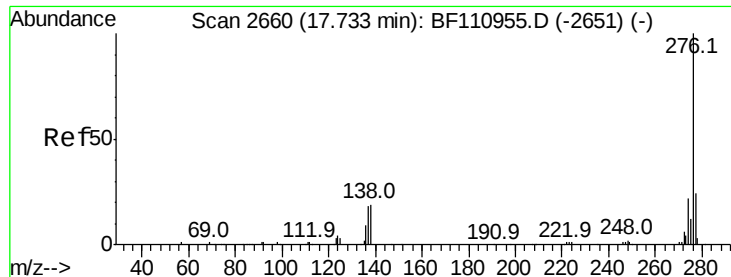
mohammad
11/28/2018 4:41:53 PM



#90
Benzo(a)pyrene
Concen: 8.374 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110999.D
Acq: 27 Nov 2018 10:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	14.1	9.0	13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 4.622 ng
 RT: 17.76 min Scan# 2665
 Delta R.T. 0.02 min
 Lab File: BF110999.D
 Acq: 27 Nov 2018 10:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-112118-ARE

Tot Ion	Ion	Ratio	Lower	Upper
23201	276	100		
	277	25.6	18.8	28.2
	138	21.4	16.0	24.0

Manual Integrations
 APPROVED

mohammad
 11/28/2018 4:41:53 PM

