

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111004.D
 Acq On : 27 Nov 2018 12:43
 Operator : JU/SJ
 Sample : J6028-08RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3RE

Manual Integrations
 APPROVED

mohammad
 11/28/2018 4:42:09 PM

Quant Time: Nov 27 14:41:54 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	45475	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	162945	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	65035	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	126412	20.00	ng	0.00
76) Chrysene-d12	14.14	240	109178	20.00	ng	0.00
87) Perylene-d12	15.67	264	73458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	289042	105.40	ng	0.01
7) Phenol-d6	6.57	99	342017	95.71	ng	0.00
23) Nitrobenzene-d5	7.50	82	210626	73.98	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	68709	106.38	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	335925	74.83	ng	0.00
79) Terphenyl-d14	13.06	244	346897	61.85	ng	0.00
Target Compounds						
10) Phenol	6.58	94	17959	4.462	ng	87
50) Dimethylphthalate	9.69	163	45430	9.525	ng	99
71) Phenanthrene	11.50	178	68885	10.289	ng	99
72) Anthracene	11.56	178	22894	3.358	ng	98
75) Fluoranthene	12.70	202	144582	21.011	ng	99
78) Pyrene	12.93	202	135013	16.932	ng	98
81) Benzo(a)anthracene	14.13	228	64519	10.010	ng	99
83) Chrysene	14.16	228	49899	7.864	ng	96
86) Indeno(1,2,3-cd)pyrene	17.28	276	20012	4.394	ng	# 85
88) Benzo(b)fluoranthene	15.22	252	51372m	11.904	ng	
89) Benzo(k)fluoranthene	15.24	252	16613m	3.740	ng	
90) Benzo(a)pyrene	15.62	252	32435	8.075	ng	# 96
92) Benzo(a,h,i)perylene	17.77	276	21189	6.631	ng	# 89

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

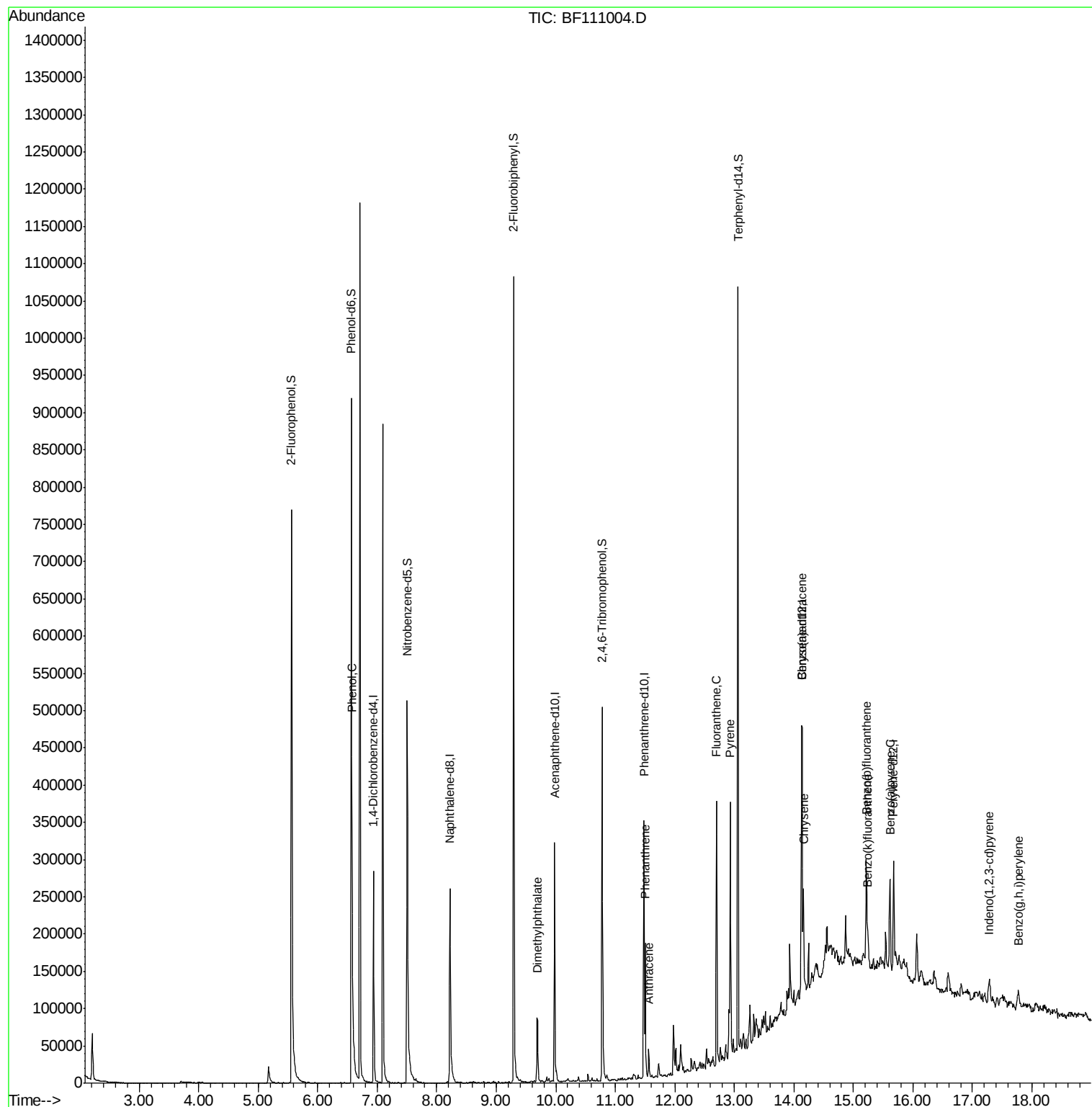
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
Data File : BF111004.D
Acq On : 27 Nov 2018 12:43
Operator : JU/SJ
Sample : J6028-08RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

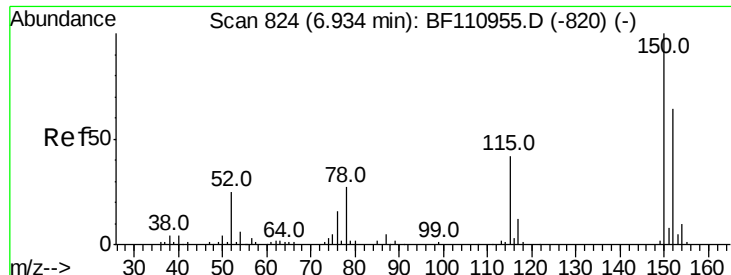
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 PM

Quant Time: Nov 27 14:41:54 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

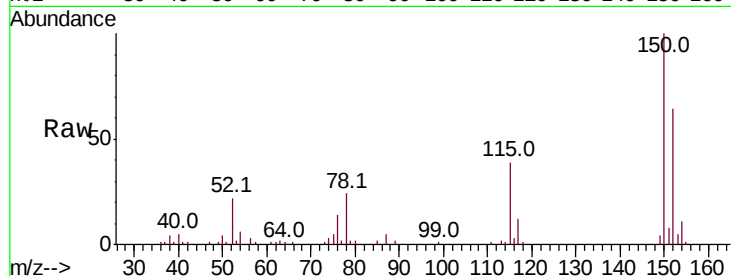
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	61.0	49.1	73.7

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 PM

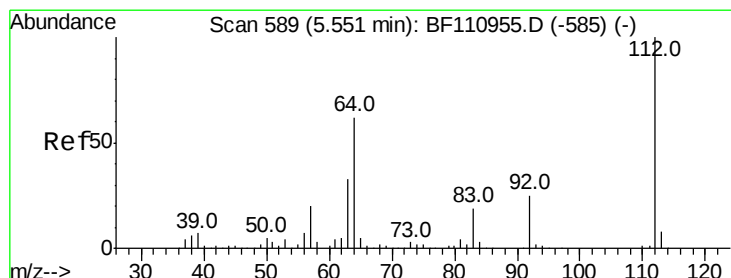
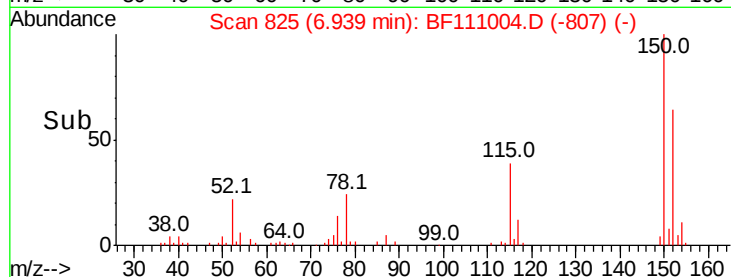
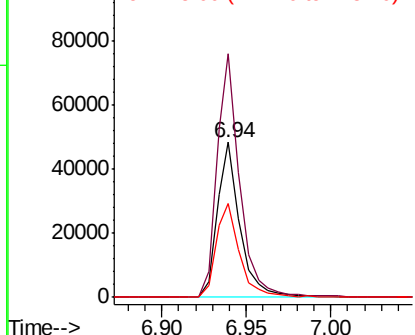


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

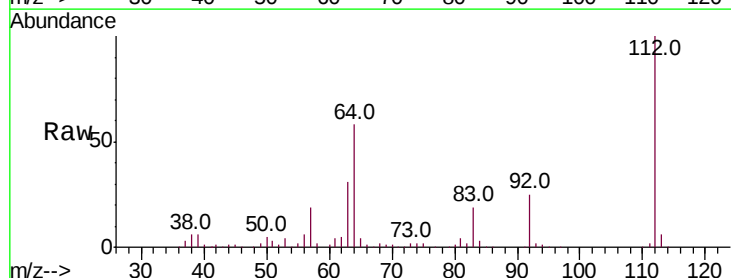
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.404 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	44.1	66.1
63	30.8	23.7	35.5

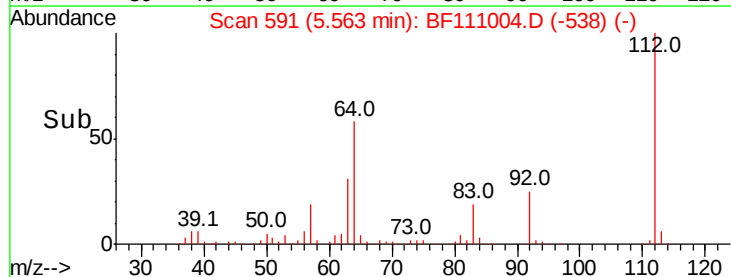
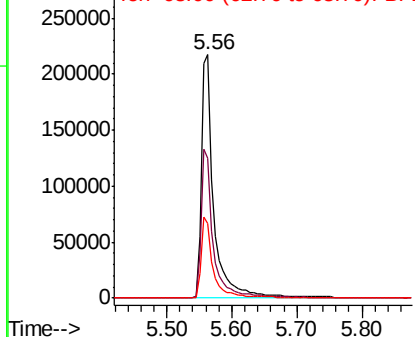


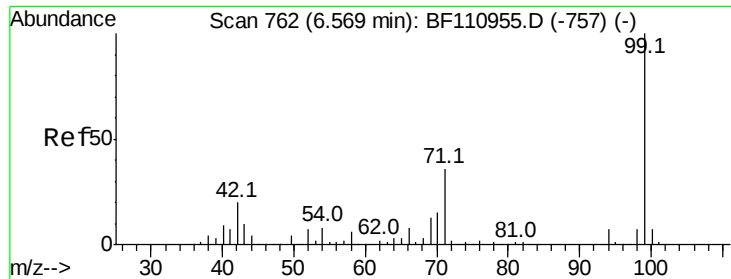
Abundance

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: 95.707 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

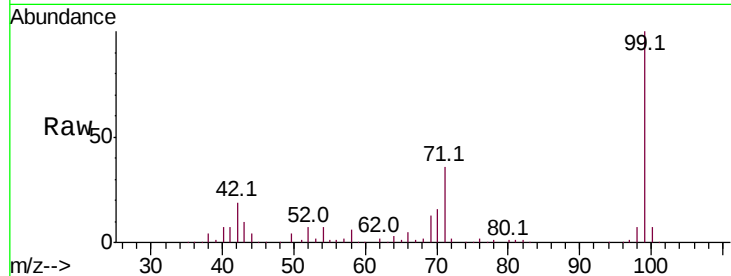
ClientSampleId :

COMP-3RE

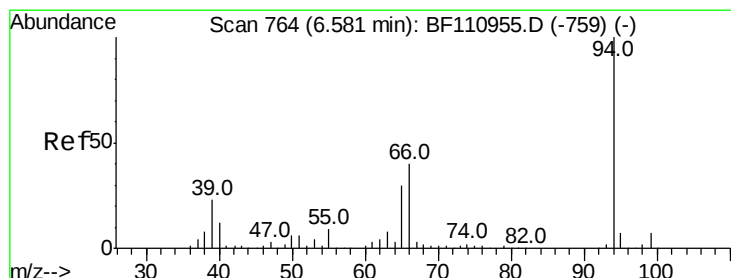
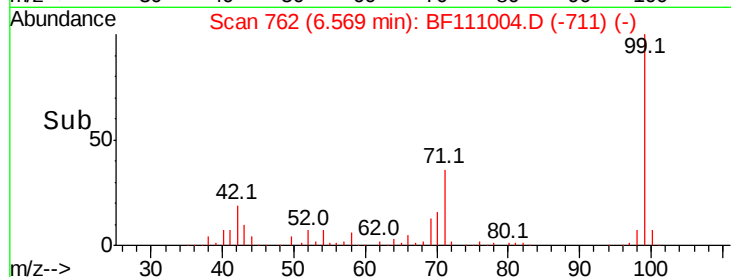
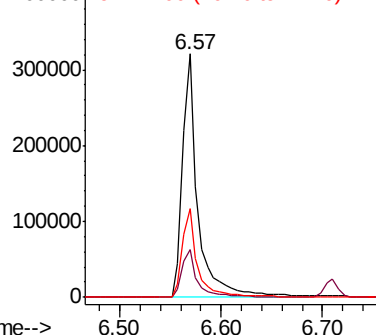
Tot Ion:	99	Resp:	342017
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.8	23.6
71	36.3	28.0	42.0

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 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: 4.462 ng

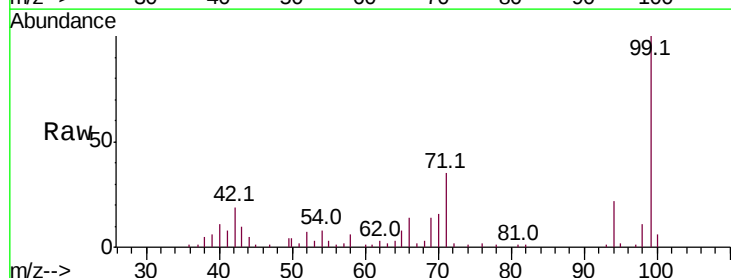
RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

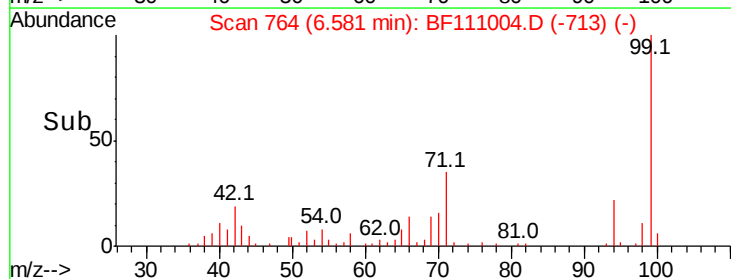
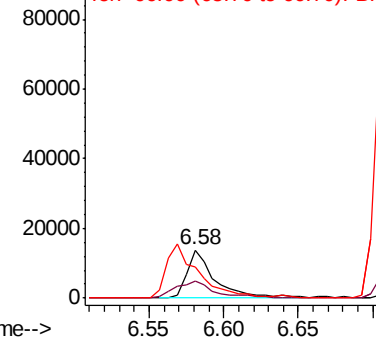
Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Tgt Ion:	94	Resp:	17959
Ion Ratio	Lower	Upper	
94	100		
65	35.6	25.3	65.3
66	65.1	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: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

Tot Ion:136 Resp: 162945

Ion Ratio Lower Upper

136 100

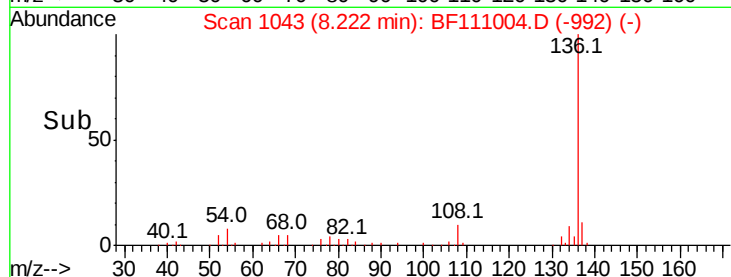
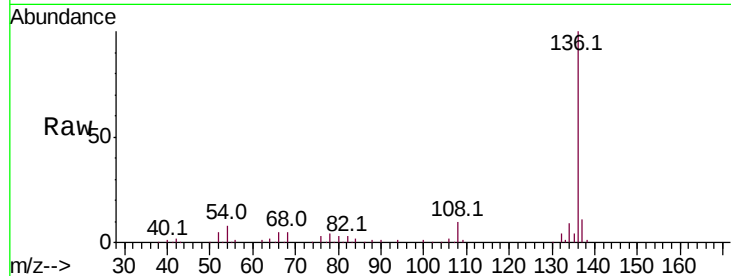
137 10.8 8.8 13.2

54 8.3 5.4 8.2#

68 4.6 4.2 6.2

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 PM

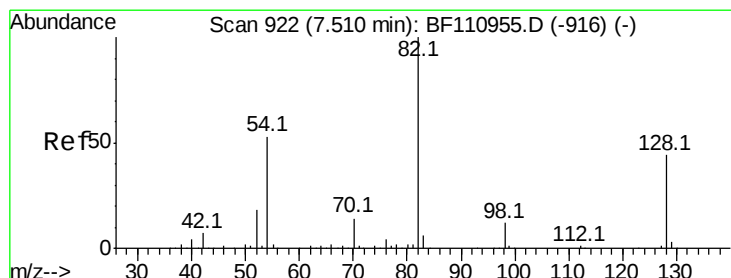
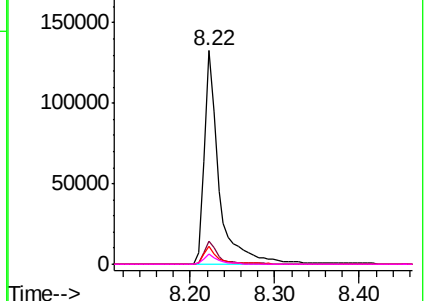


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.978 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

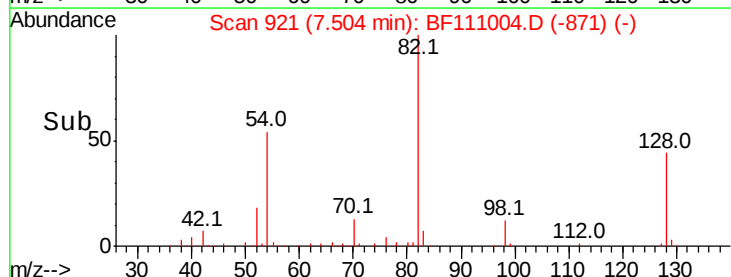
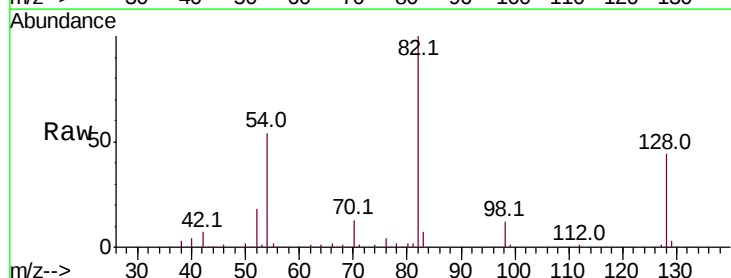
Tgt Ion: 82 Resp: 210626

Ion Ratio Lower Upper

82 100

128 44.2 34.2 51.2

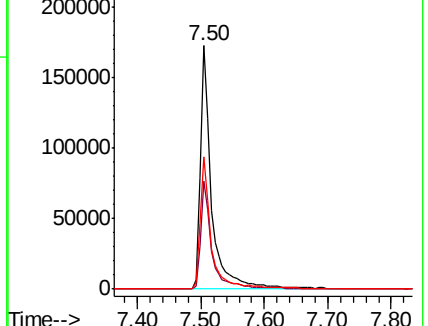
54 54.4 38.6 58.0

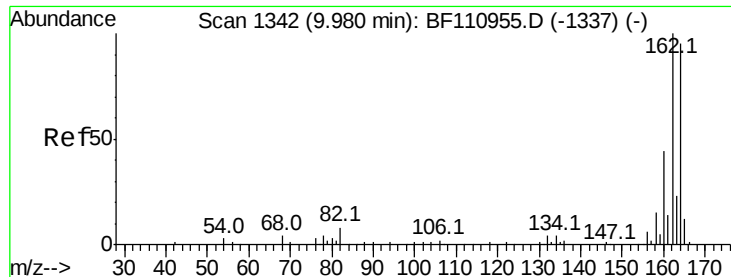


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





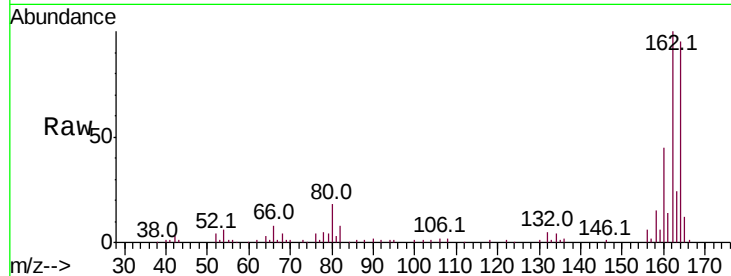
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.0	124.6
160	47.7	37.0	55.6

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 PM

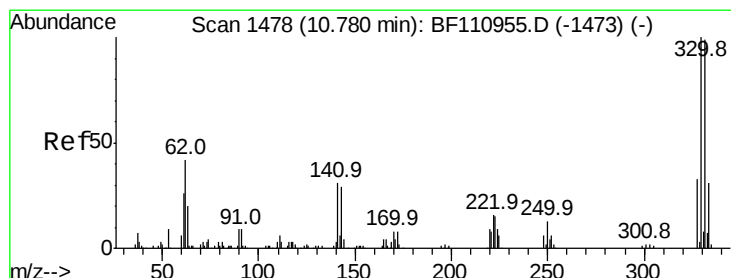
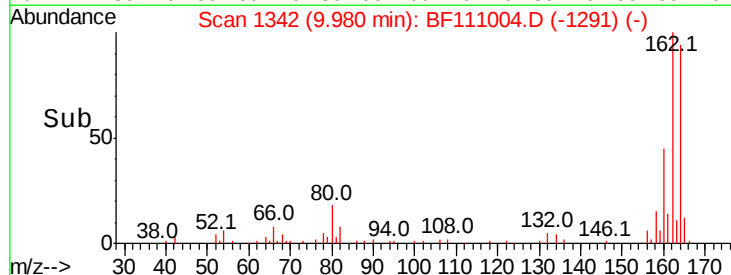
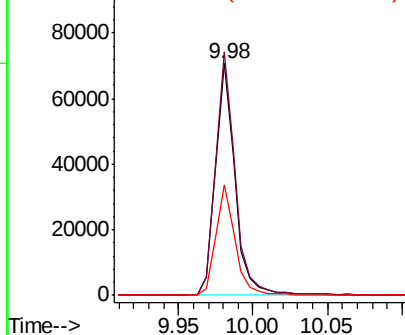


Abundance

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: 106.380 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

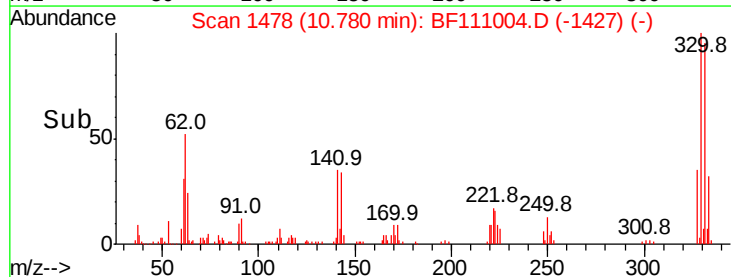
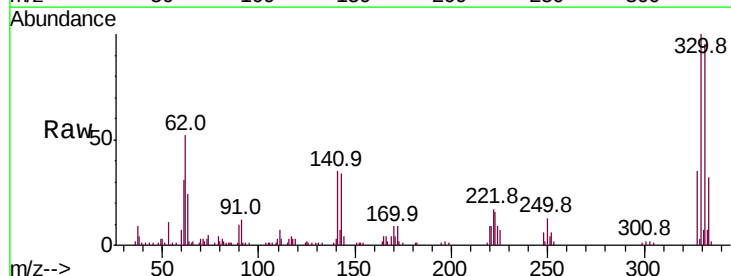
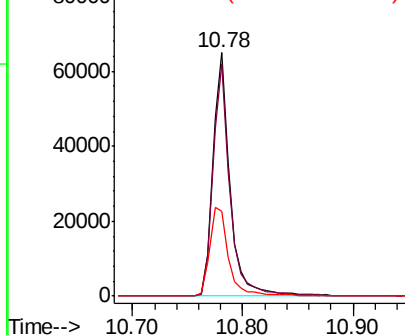
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.1	115.7
141	39.7	27.0	40.4

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





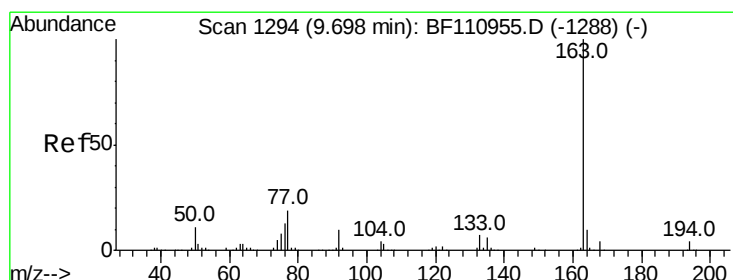
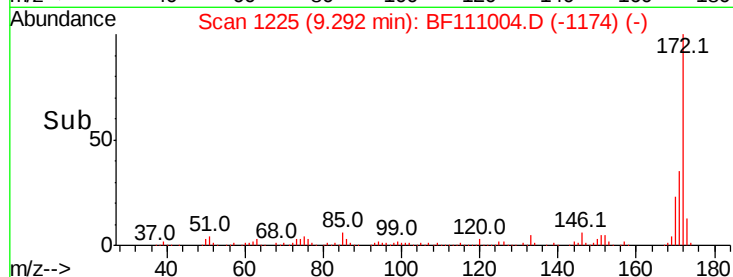
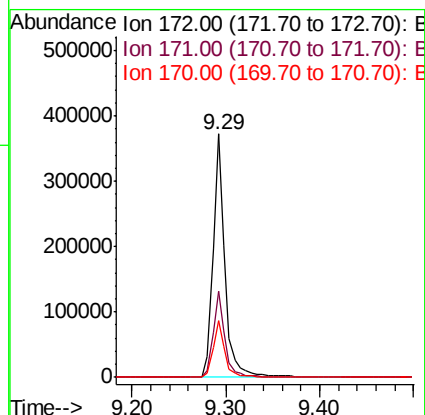
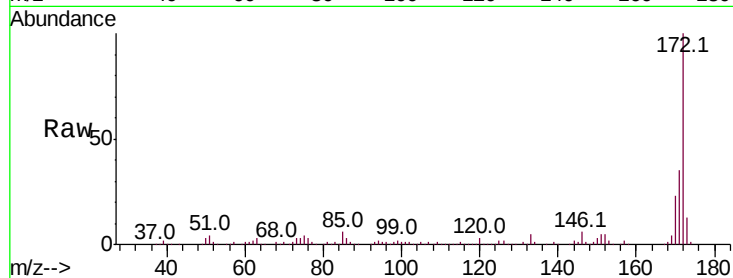
#45
2-Fluorobiphenyl
Concen: 74.833 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	28.6	43.0	
170	23.4	19.7	29.5	

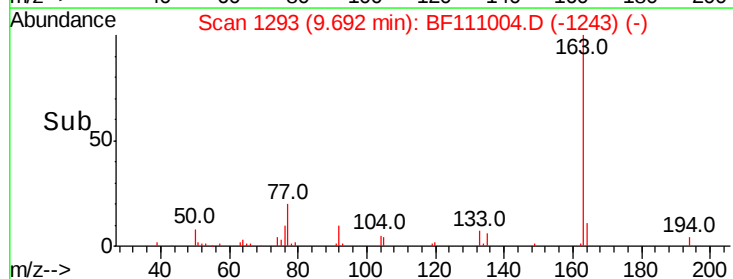
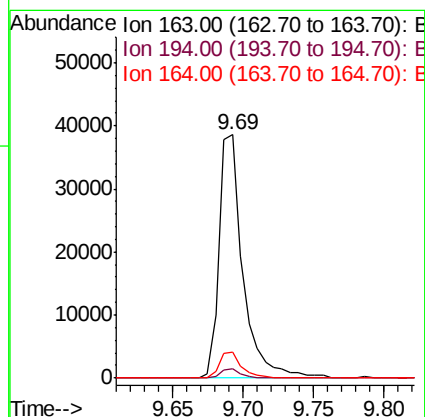
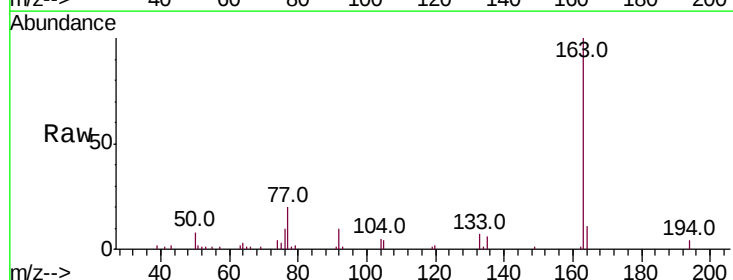
Manual Integrations
APPROVED

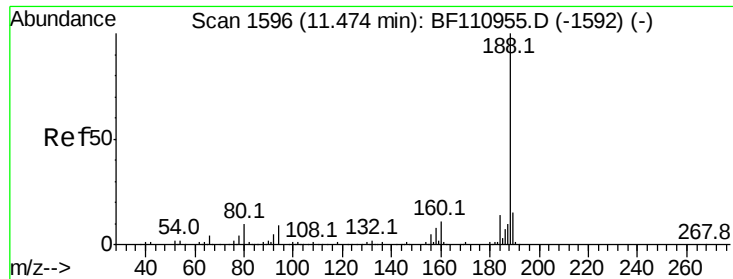
mohammad
11/28/2018 4:42:09 PM



#50
Dimethylphthalate
Concen: 9.525 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	3.2	4.8	
164	10.6	8.1	12.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

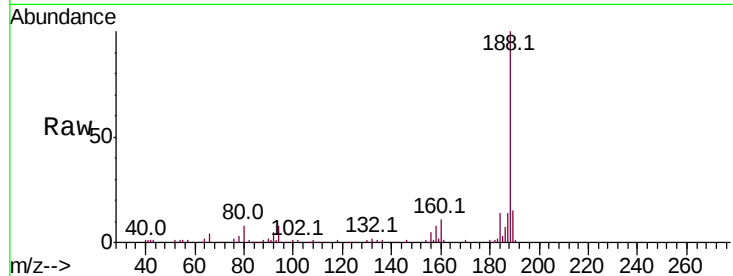
ClientSampleId :

COMP-3RE

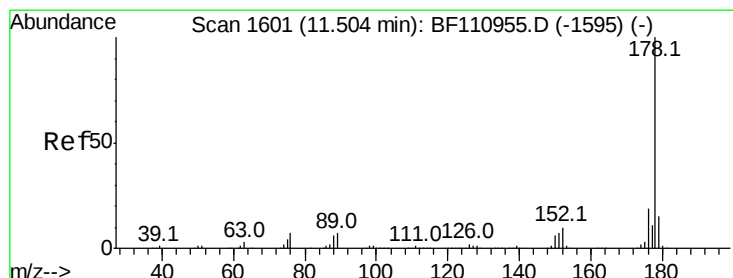
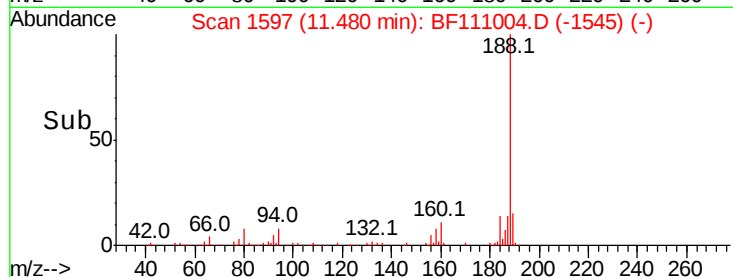
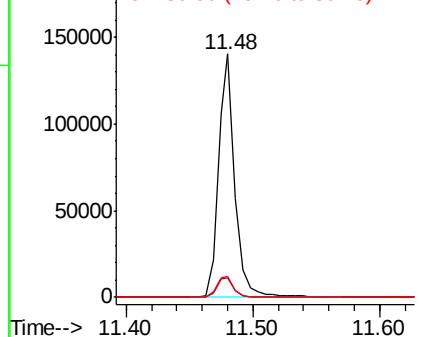
Tot Ion:	188	Resp:	126412
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.2	10.8
80	8.5	7.9	11.9

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 PM



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: 10.289 ng

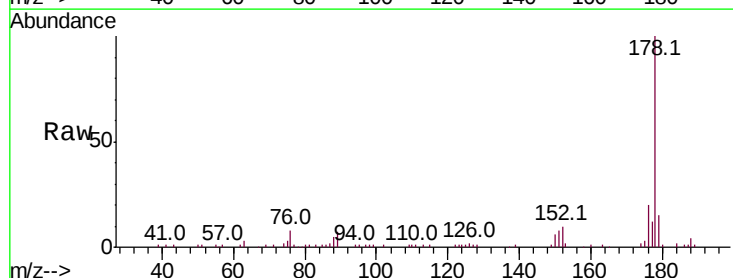
RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

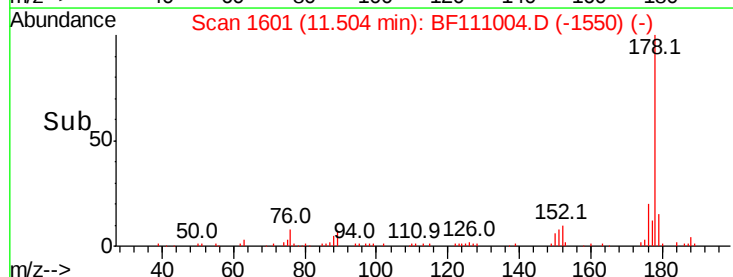
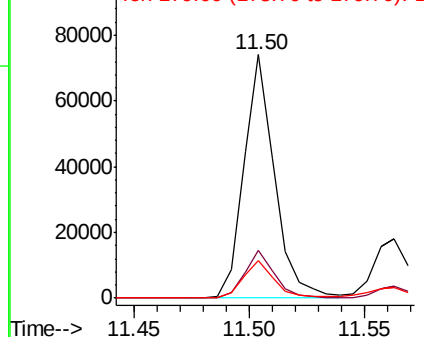
Lab File: BF111004.D

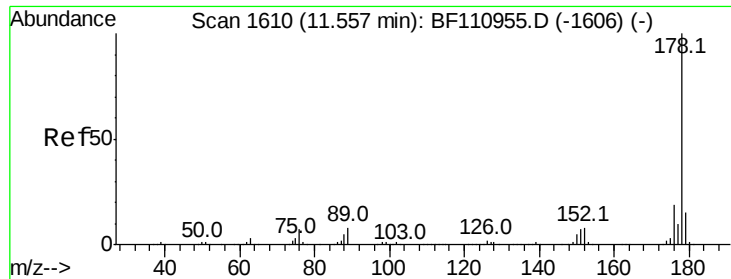
Acq: 27 Nov 2018 12:43

Tgt Ion:	178	Resp:	68885
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.5	23.3
179	15.4	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.358 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

Tot Ion:178 Resp: 22894

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

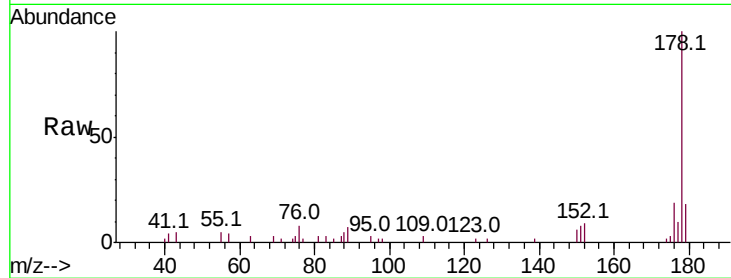
179 17.6 12.6 18.8

Manual Integrations

APPROVED

mohammad

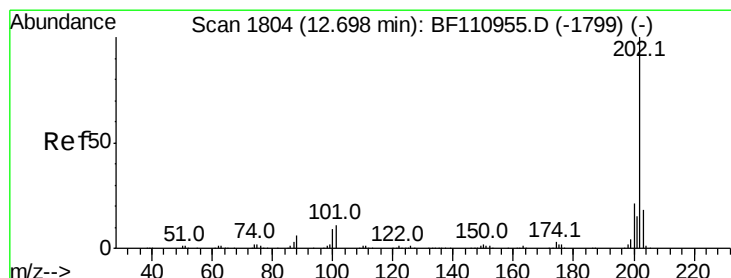
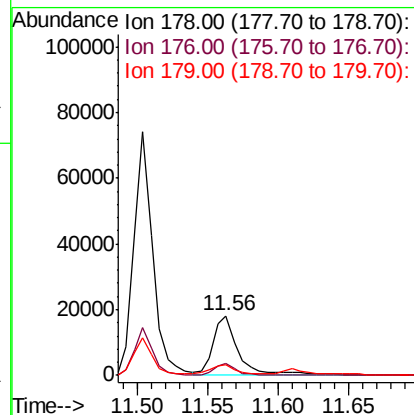
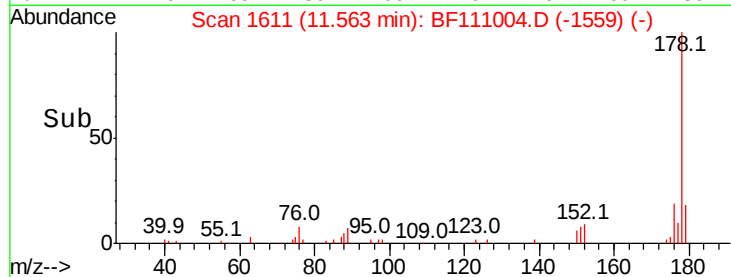
11/28/2018 4:42:09 PM



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: 21.011 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF111004.D

Acq: 27 Nov 2018 12:43

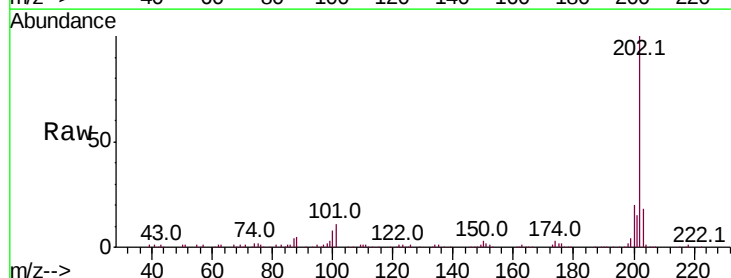
Tgt Ion:202 Resp: 144582

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

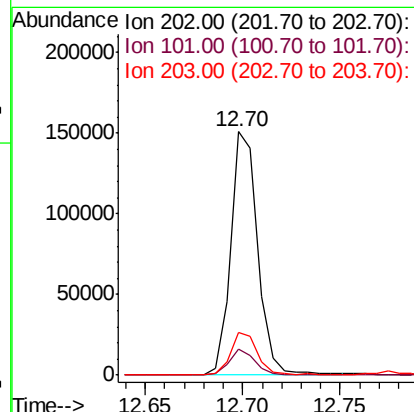
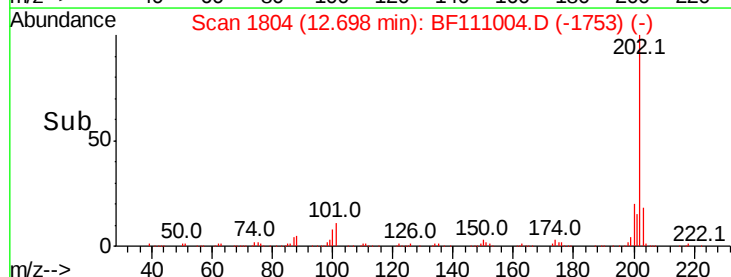
203 17.7 0.0 37.7

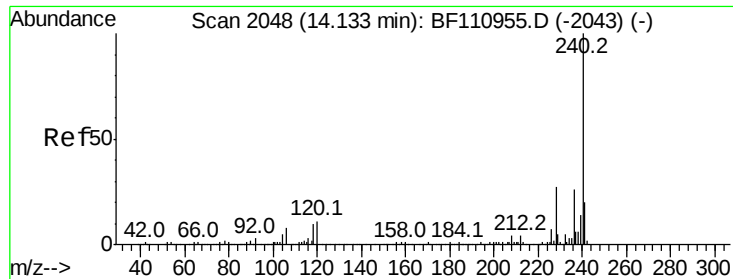


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





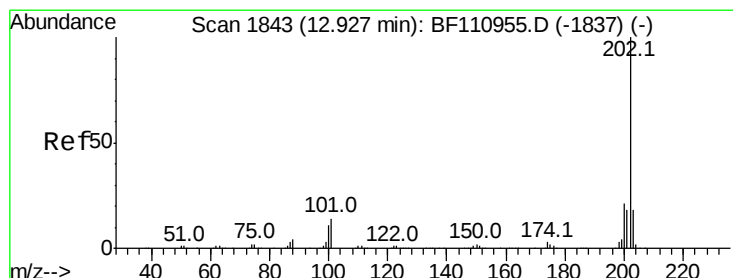
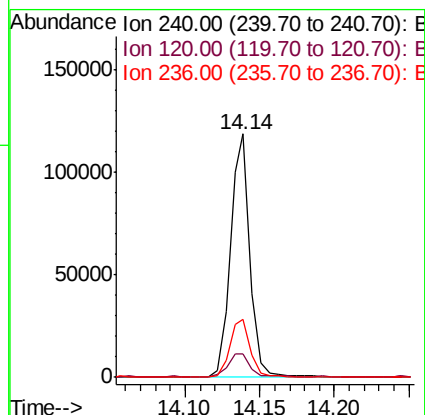
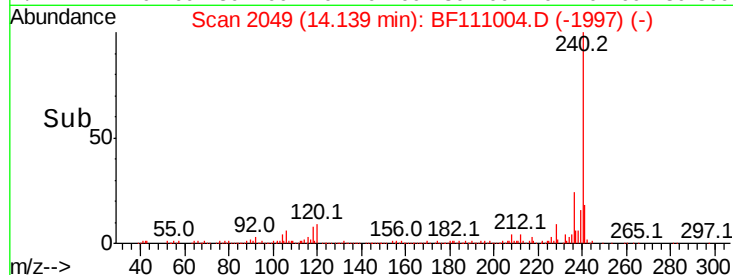
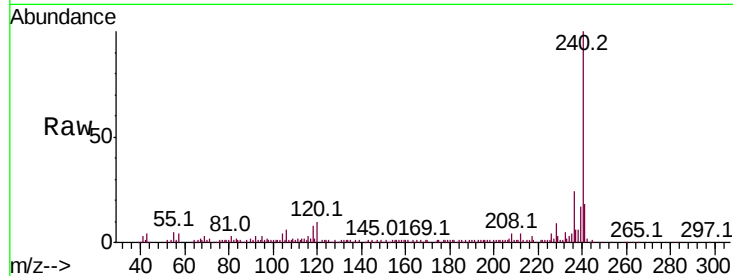
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	9.5	8.3	12.5	
236	24.0	21.2	31.8	

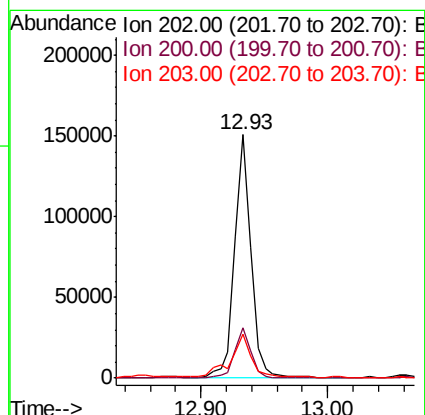
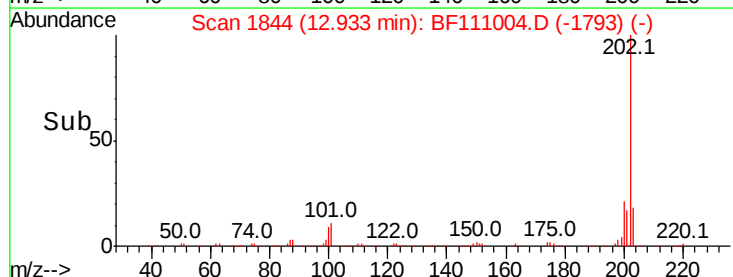
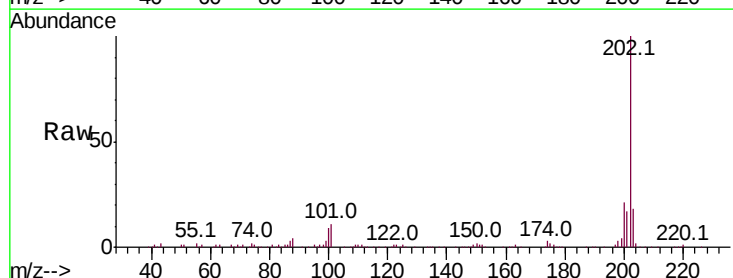
Manual Integrations
APPROVED

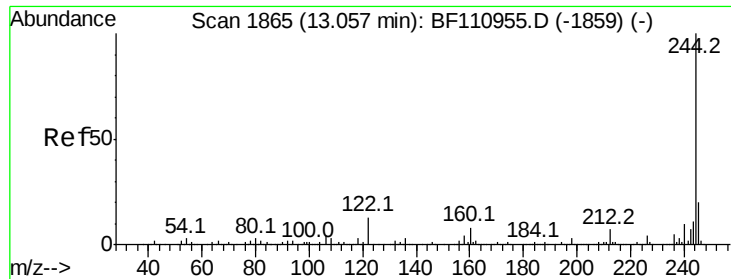
mohammad
11/28/2018 4:42:09 PM



#78
Pyrene
Concen: 16.932 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	17.8	26.6	
203	17.9	14.2	21.4	





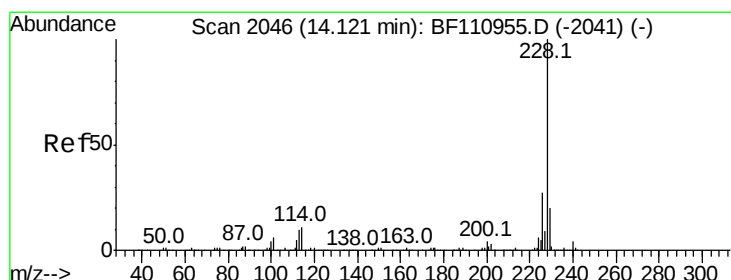
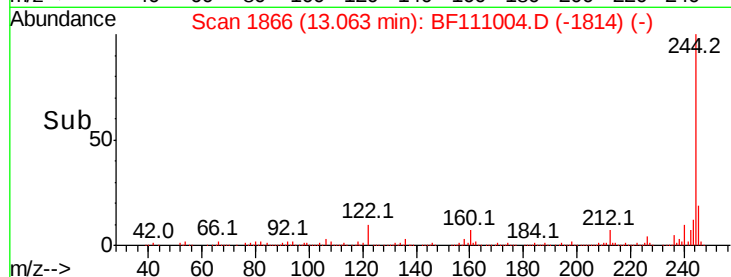
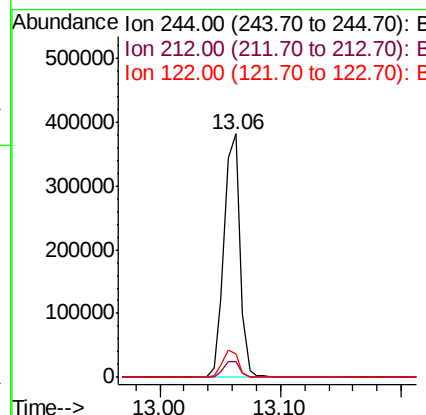
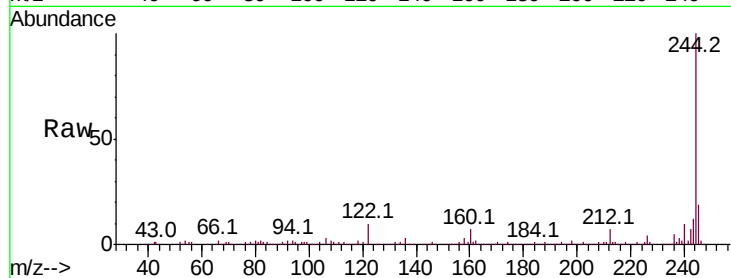
#79
 Terphenyl-d14
 Concen: 61.852 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Instrument :
 BNA_F
 ClientSampled :
 COMP-3RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	9.6	8.7	13.1

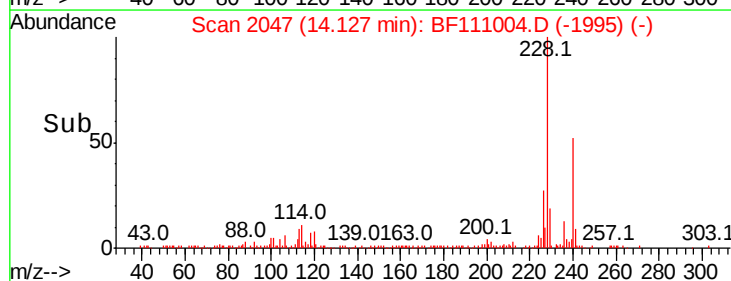
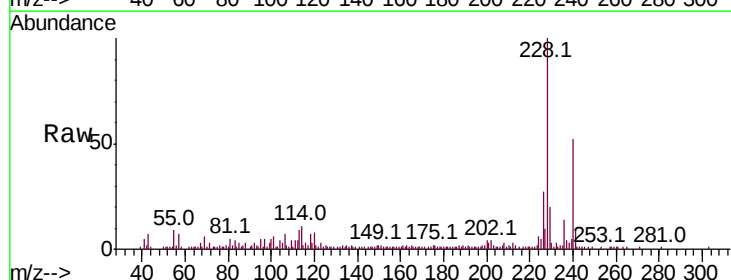
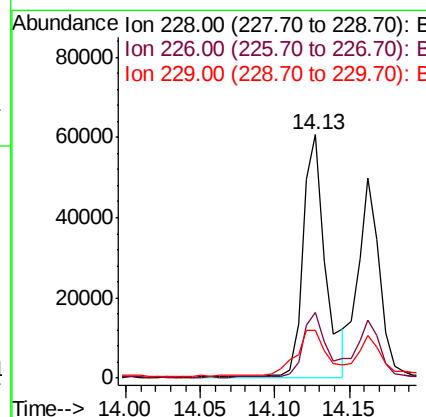
Manual Integrations
 APPROVED

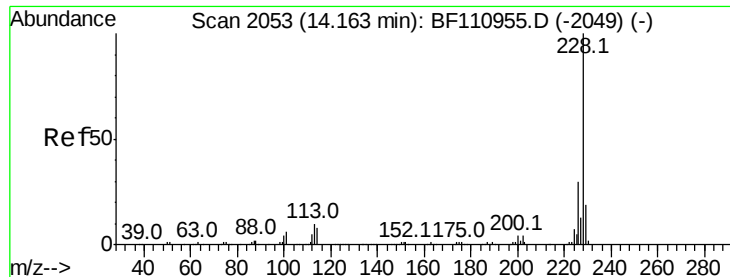
mohammad
 11/28/2018 4:42:09 PM



#81
 Benzo(a)anthracene
 Concen: 10.010 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. 0.01 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.9	15.6	23.4





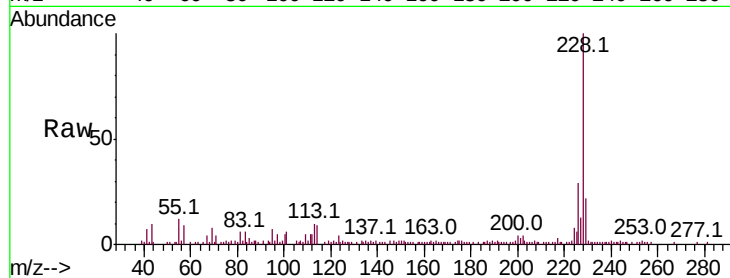
#83
Chrysene
Concen: 7.864 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.7	37.1
229	21.6	15.9	23.9

Manual Integrations
APPROVED

mohammad
11/28/2018 4:42:09 PM

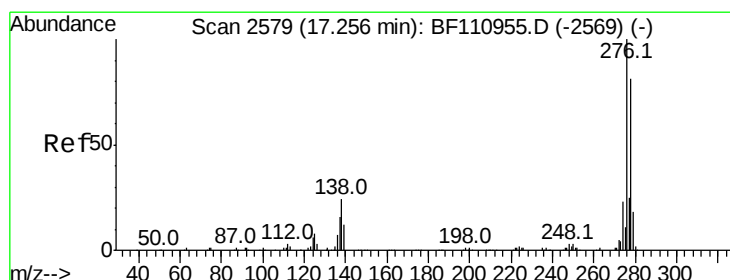
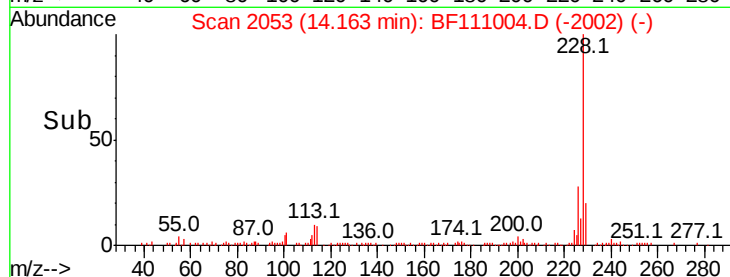
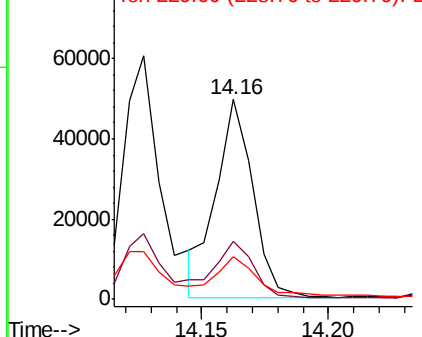


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.394 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.03 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

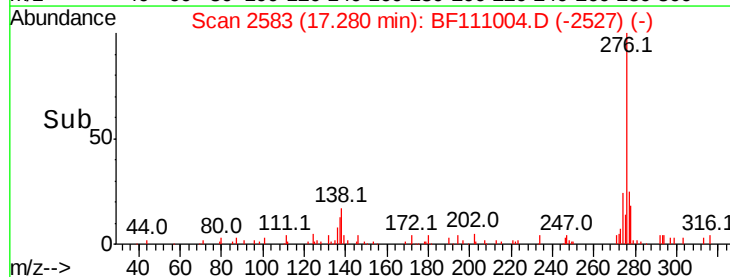
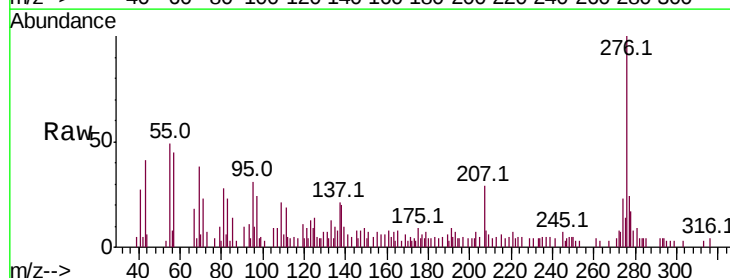
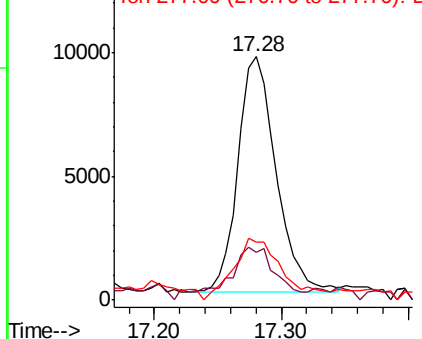
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.8	18.5	27.7#
277	33.9	20.0	30.0#

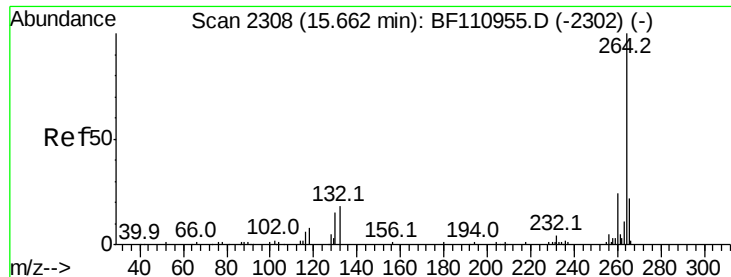
Abundance

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





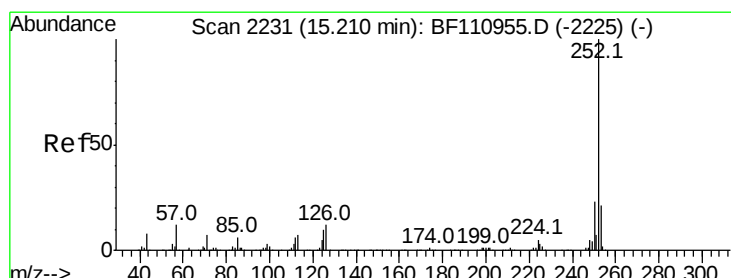
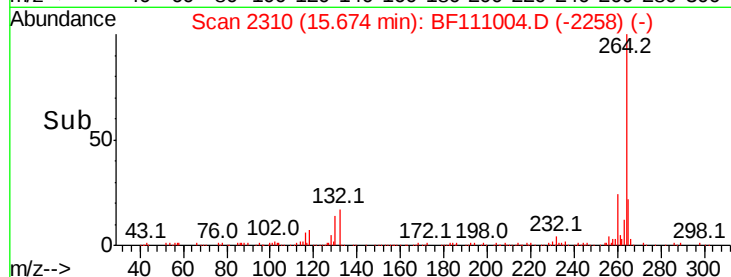
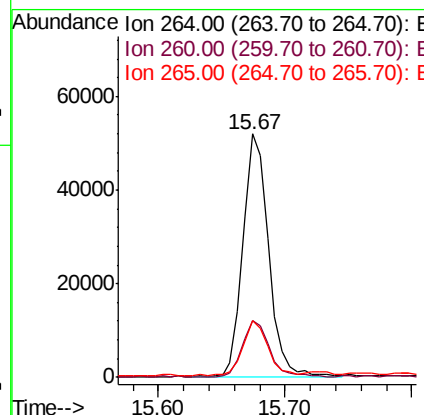
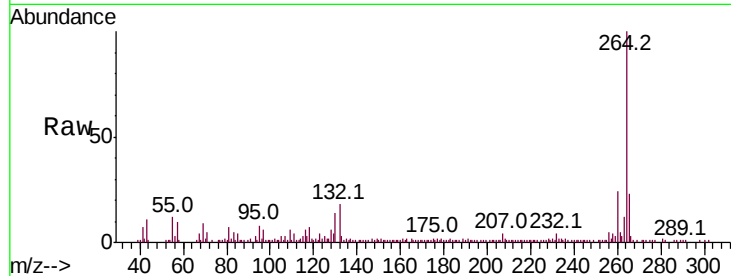
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	23.1	16.7	25.1

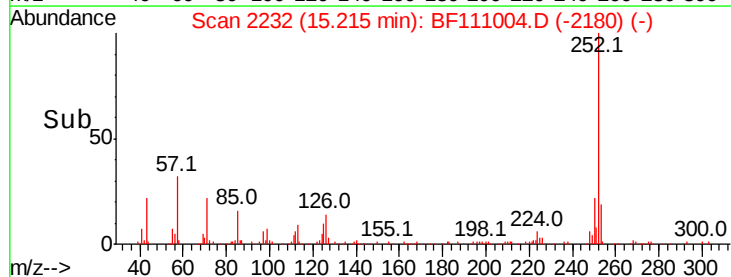
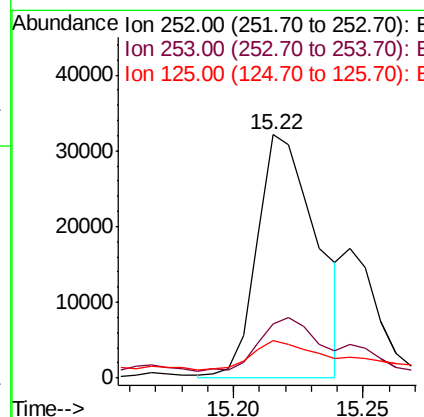
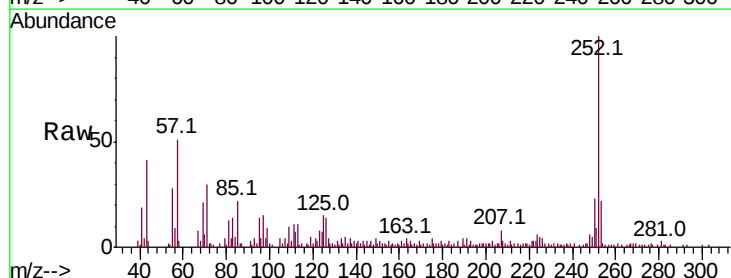
Manual Integrations
APPROVED

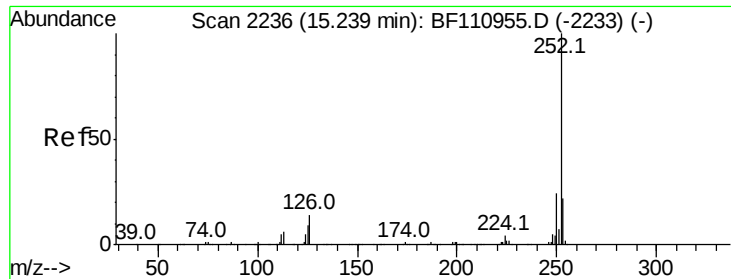
mohammad
11/28/2018 4:42:09 PM



#88
Benzo(b)fluoranthene
Concen: 11.904 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	15.2	8.2	12.4#





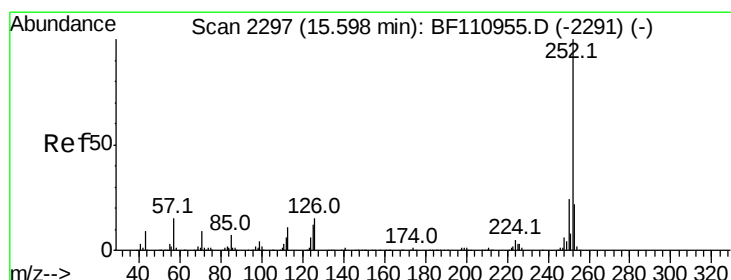
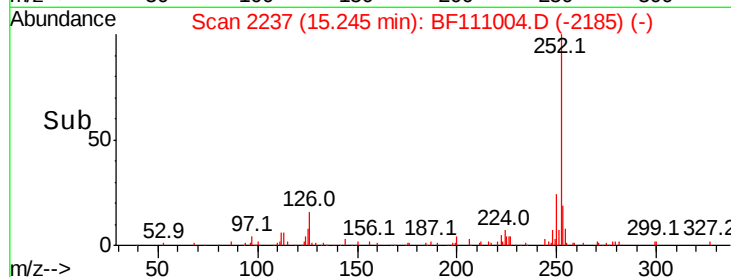
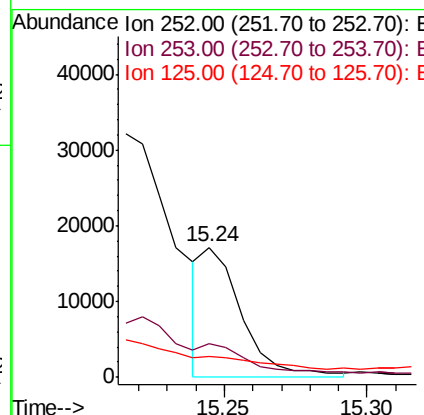
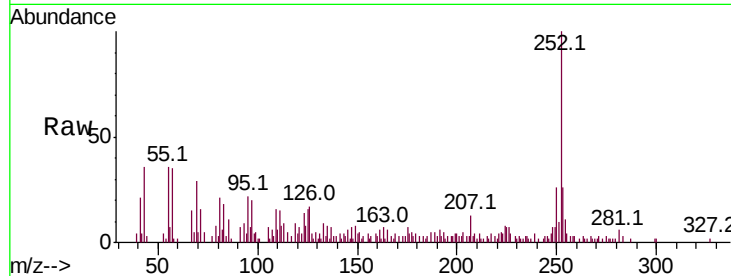
#89
Benzo(k)fluoranthene
Concen: 3.740 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.2	25.8#
125	15.6	7.4	11.0#

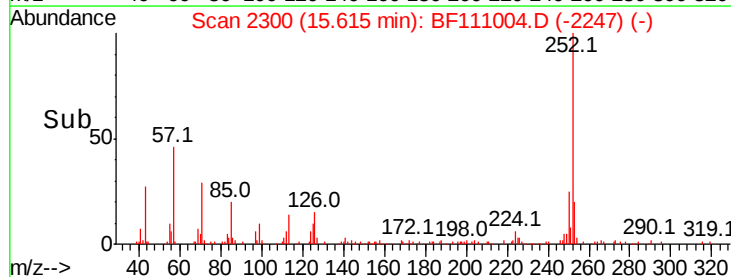
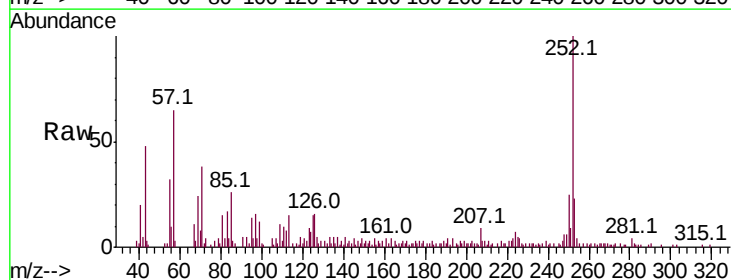
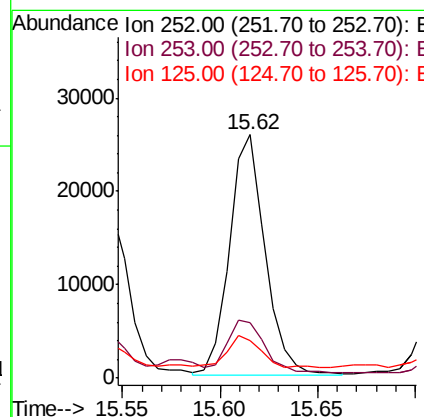
Manual Integrations
APPROVED

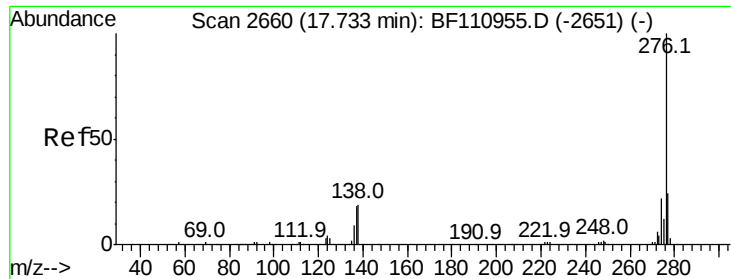
mohammad
11/28/2018 4:42:09 PM



#90
Benzo(a)pyrene
Concen: 8.075 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BF111004.D
Acq: 27 Nov 2018 12:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	15.2	9.0	13.6#





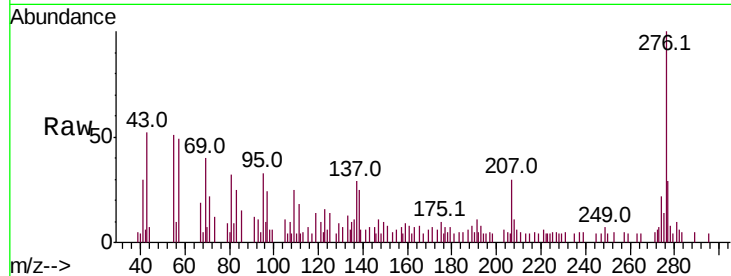
#92
 Benzo(a,h,i)perylene
 Concen: 6.631 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.03 min
 Lab File: BF111004.D
 Acq: 27 Nov 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3RE

Tot Ion:	276	Resp:	21189
Ion Ratio	Lower	Upper	
276	100		
277	29.5	18.8	28.2#
138	24.9	16.0	24.0#

Manual Integrations
 APPROVED

mohammad
 11/28/2018 4:42:09 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

