

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117751.D
 Acq On : 9 Nov 2019 00:18
 Operator : JU
 Sample : K5676-06 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-110619

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:45 AM

Quant Time: Nov 11 01:40:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	329772	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1275082	20.00	ng	-0.01
39) Acenaphthene-d10	9.98	164	661839	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1073901	20.00	ng	0.00
76) Chrysene-d12	14.12	240	658139	20.00	ng	0.00
87) Perylene-d12	15.63	264	696458	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	921256	50.57	ng	0.00
7) Phenol-d6	6.55	99	1157928	51.55	ng	-0.01
23) Nitrobenzene-d5	7.49	82	701877	32.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	310314	47.93	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	1347822	40.18	ng	-0.01
79) Terphenyl-d14	13.06	244	1083366	33.89	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	55392	2.288	ng	95
50) Dimethylphthalate	9.69	163	159841	3.572	ng	97
71) Phenanthrene	11.49	178	266081	5.169	ng	94
75) Fluoranthene	12.69	202	403368	7.675	ng	95
78) Pyrene	12.92	202	388477	8.086	ng	96
81) Benzo(a)anthracene	14.11	228	215687m	5.265	ng	
83) Chrysene	14.14	228	214414	5.300	ng	97
86) Indeno(1,2,3-cd)pyrene	17.16	276	110724	2.941	ng	94
88) Benzo(b)fluoranthene	15.18	252	297998m	6.794	ng	
89) Benzo(k)fluoranthene	15.21	252	112283m	2.870	ng	
90) Benzo(a)pyrene	15.56	252	216336	5.689	ng	# 92
92) Benzo(a,h,i)perylene	17.63	276	99119	2.999	ng	93

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

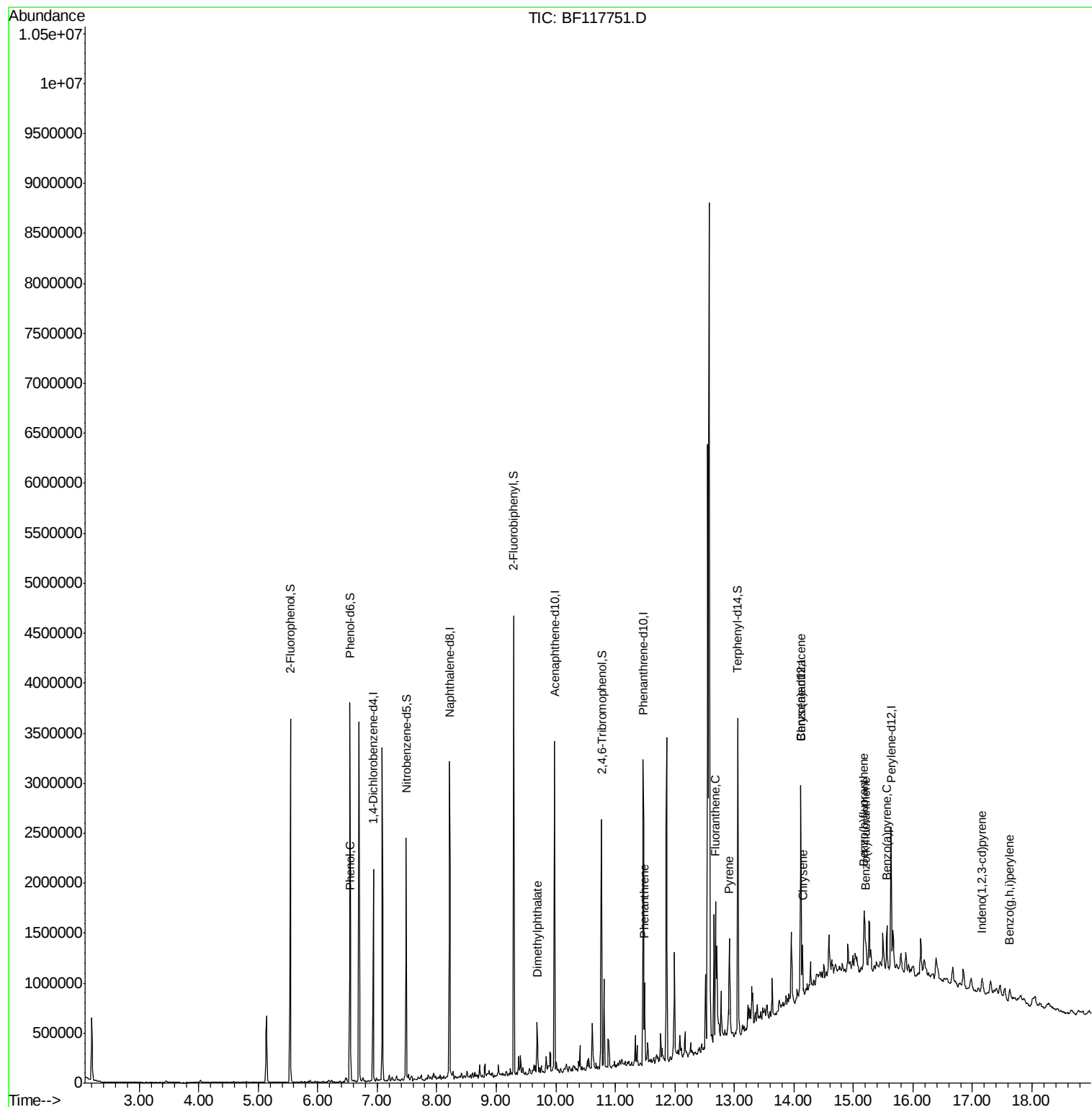
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117751.D
Acq On : 9 Nov 2019 00:18
Operator : JU
Sample : K5676-06 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

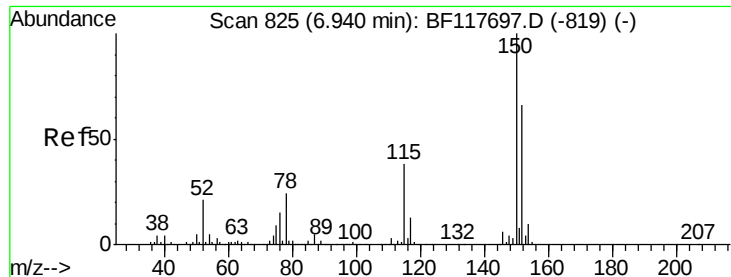
Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM

Quant Time: Nov 11 01:40:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 17:27:10 2019
Response via : Initial Calibration





#1

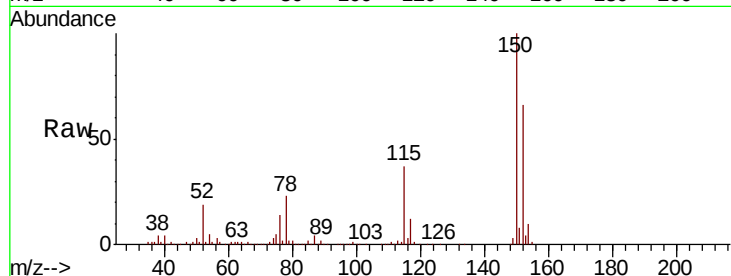
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	121.4	182.2
115	56.7	46.7	70.1

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM

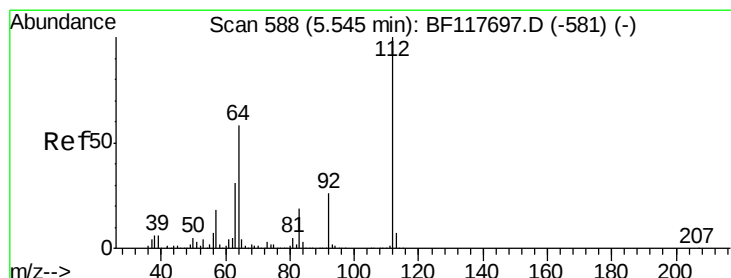
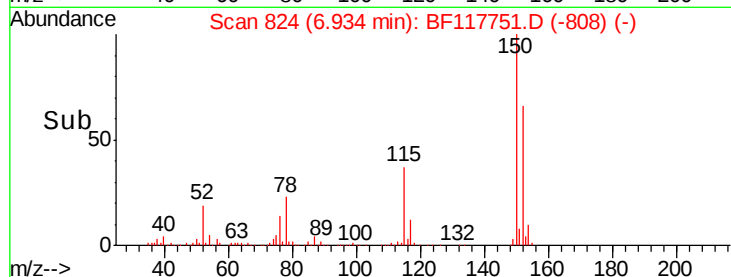
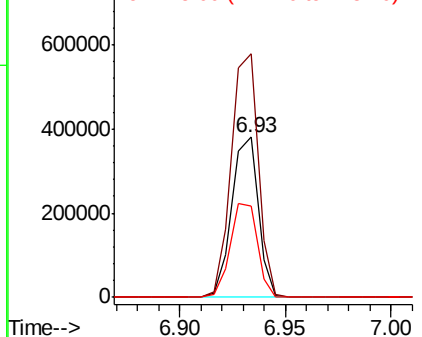


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

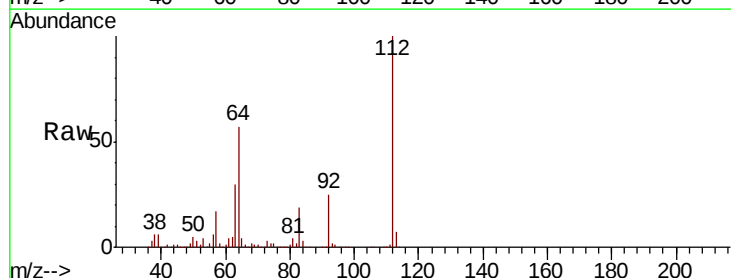
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.569 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.4	69.6
63	29.7	24.6	37.0

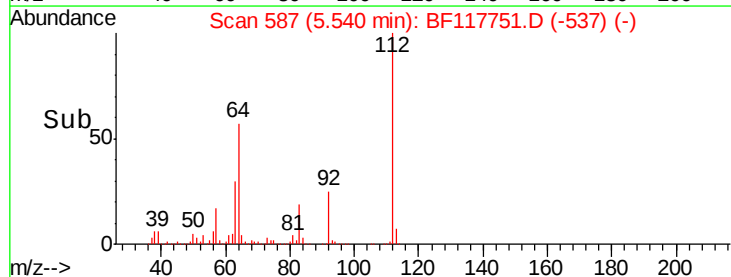
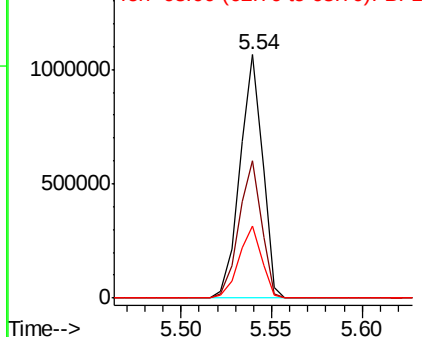


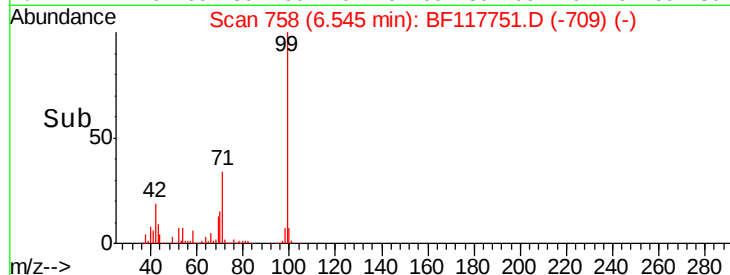
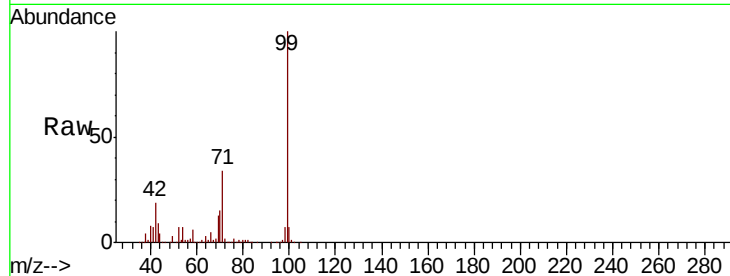
Abundance

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: 51.548 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

Tot Ion: 99 Resp: 1157928

Ion Ratio Lower Upper

99 100

42 19.1 15.3 22.9

71 34.4 26.8 40.2

Instrument :

BNA_F

ClientSampleId :

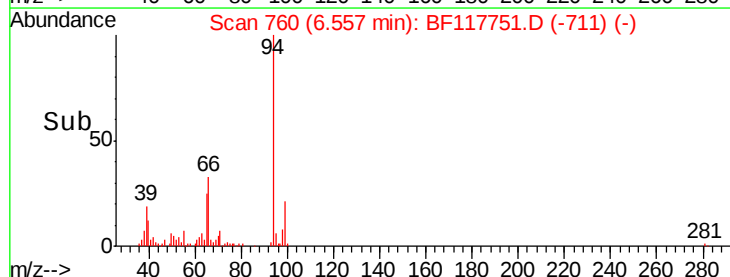
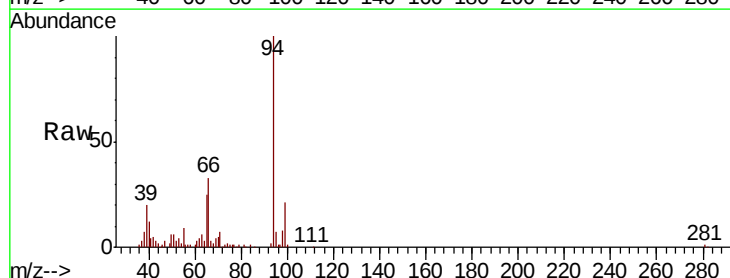
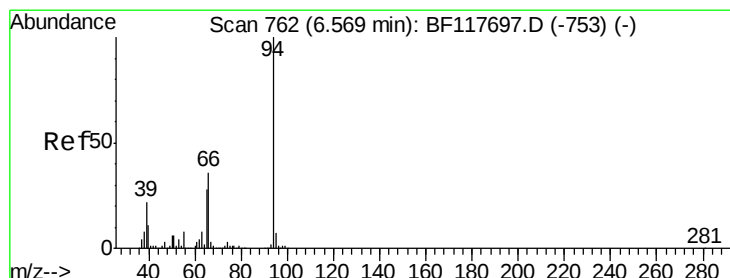
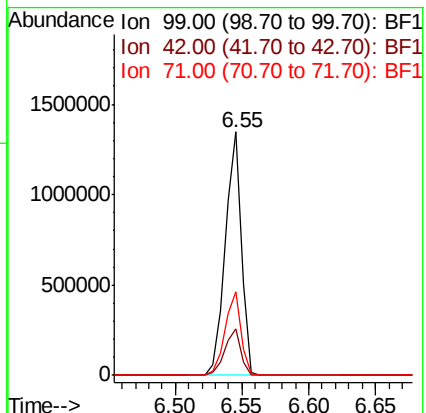
SU-04-110619

Manual Integrations

APPROVED

mohammad

11/11/2019 8:06:45 AM



#10

Phenol

Concen: 2.288 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

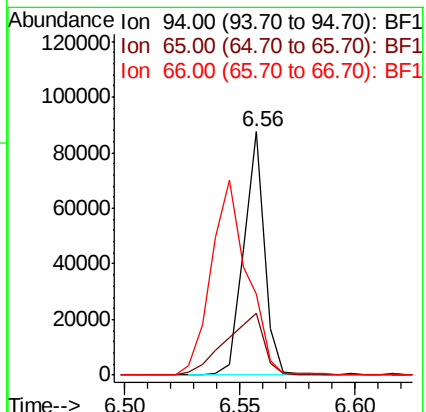
Tgt Ion: 94 Resp: 55392

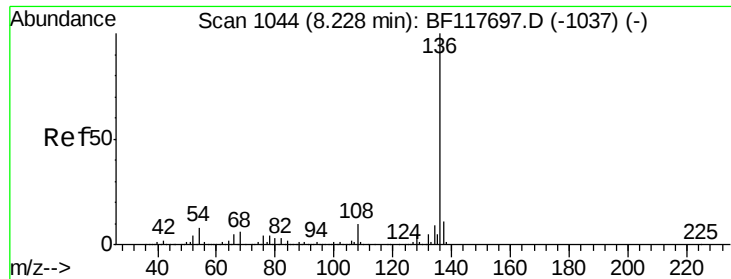
Ion Ratio Lower Upper

94 100

65 25.4 7.6 47.6

66 33.1 16.1 56.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

Instrument :

BNA_F

ClientSampleId :

SU-04-110619

Tot Ion:136 Resp: 1275082

Ion Ratio Lower Upper

136 100

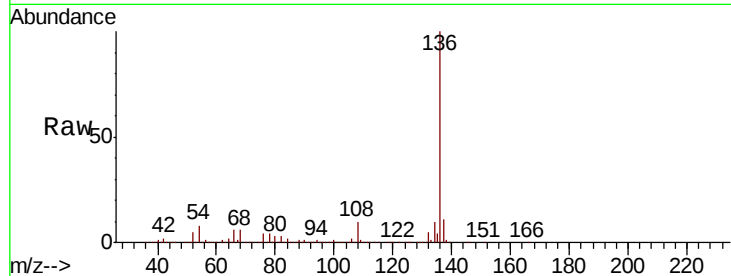
137 11.3 8.8 13.2

54 8.2 6.0 9.0

68 6.3 4.8 7.2

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM

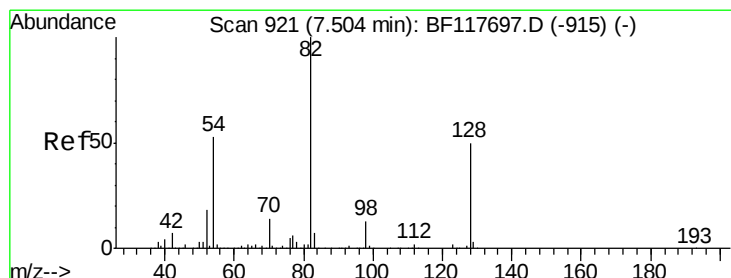
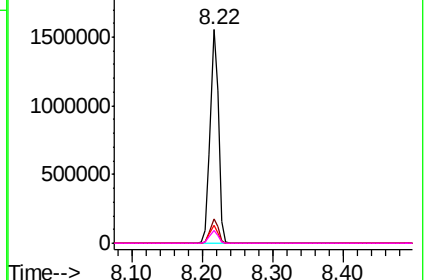
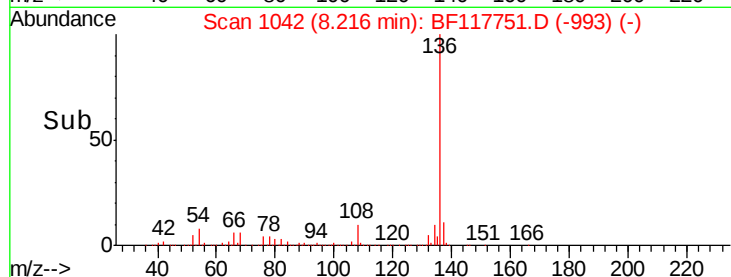


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.498 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

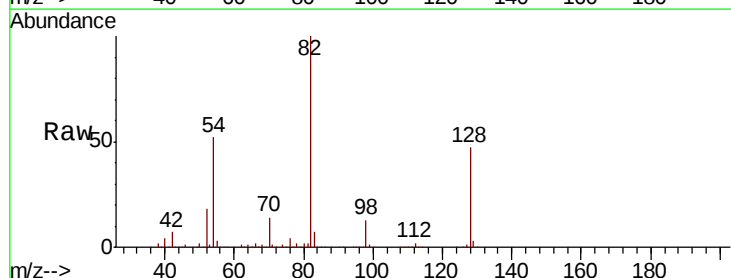
Tgt Ion: 82 Resp: 701877

Ion Ratio Lower Upper

82 100

128 47.0 40.2 60.2

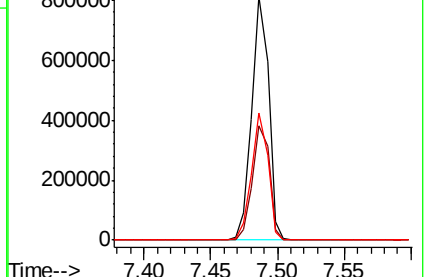
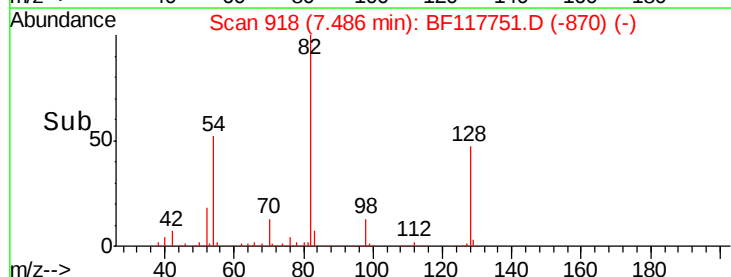
54 52.2 42.0 63.0

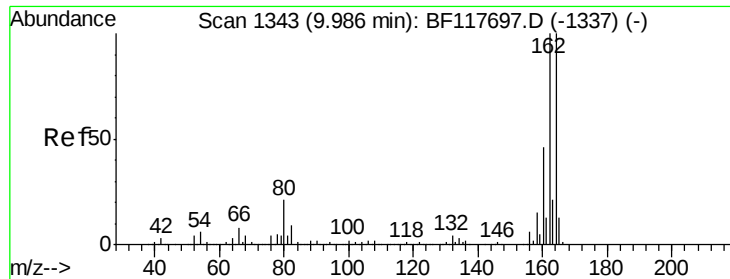


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





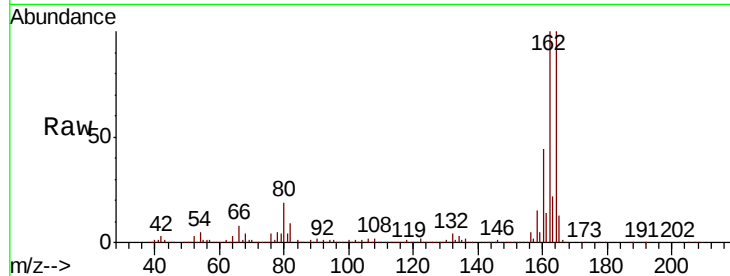
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	79.7	119.5	
160	44.5	36.5	54.7	

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM

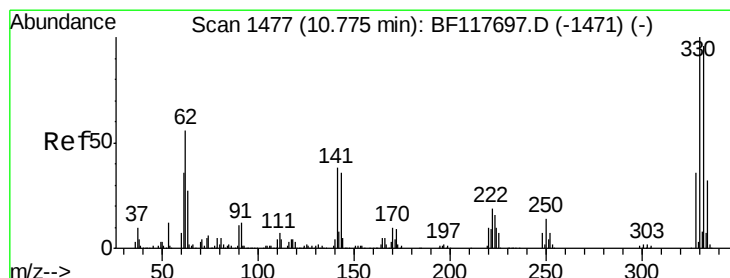
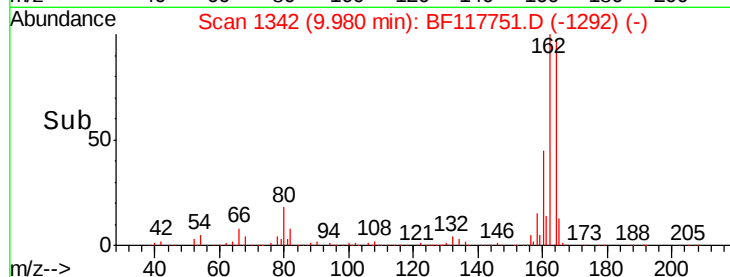
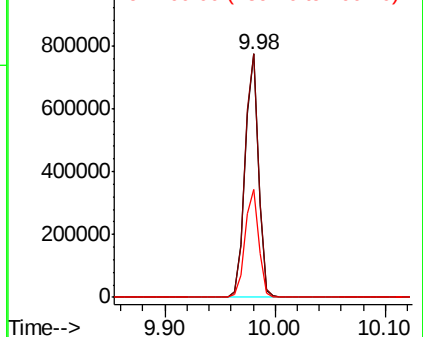


Abundance

Ion 164.00 (163.70 to 164.70): E

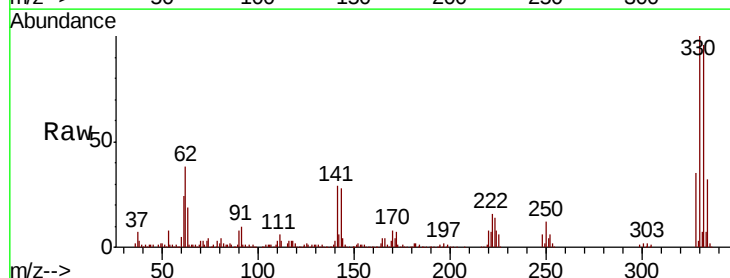
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 47.930 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.4	116.0	
141	34.3	28.0	42.0	

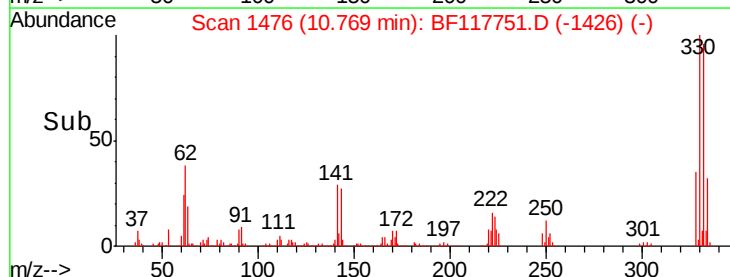
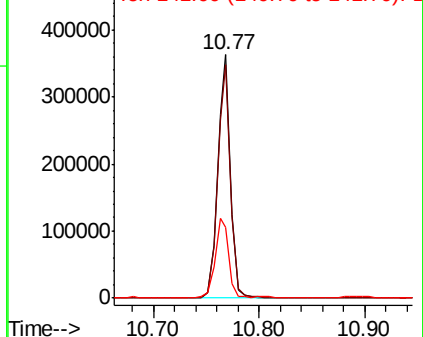


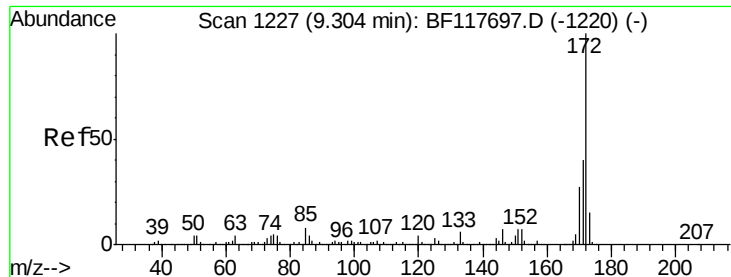
Abundance

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





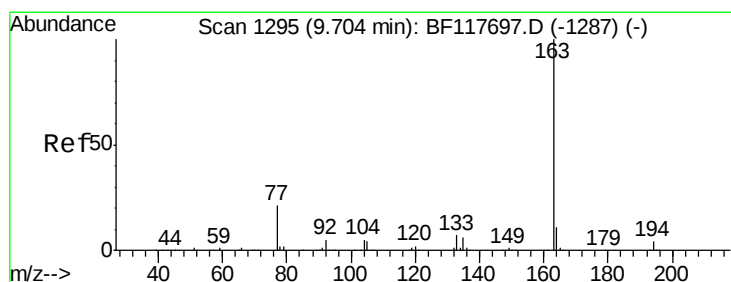
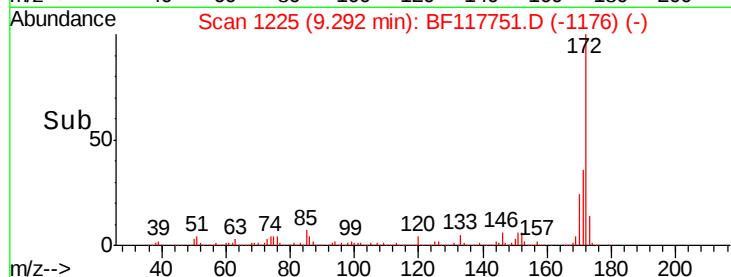
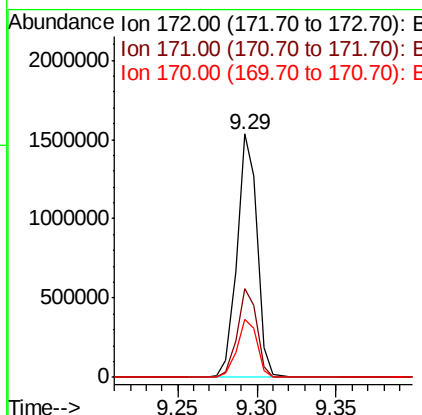
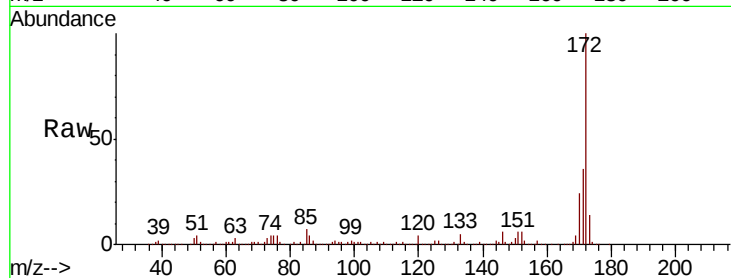
#45
2-Fluorobiphenyl
Concen: 40.180 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	31.8	47.8
170	24.0	21.6	32.4

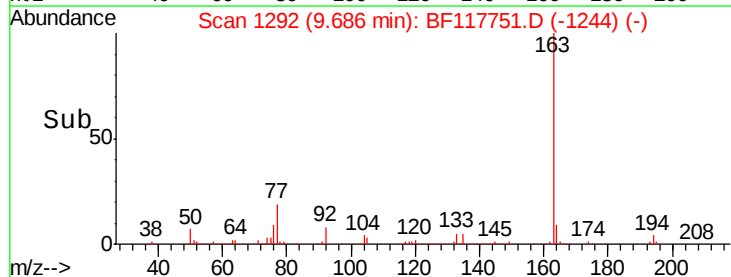
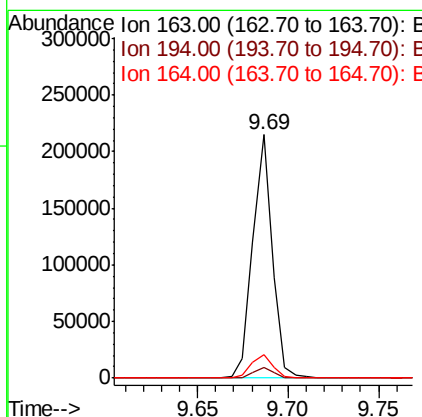
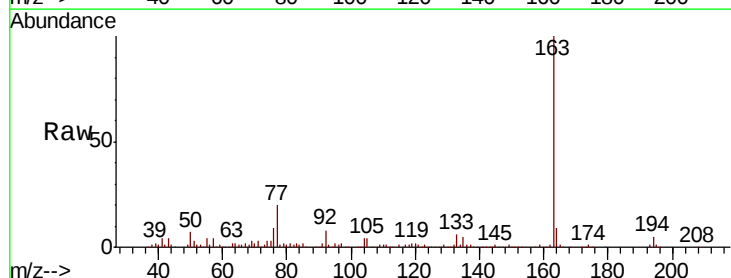
Manual Integrations
APPROVED

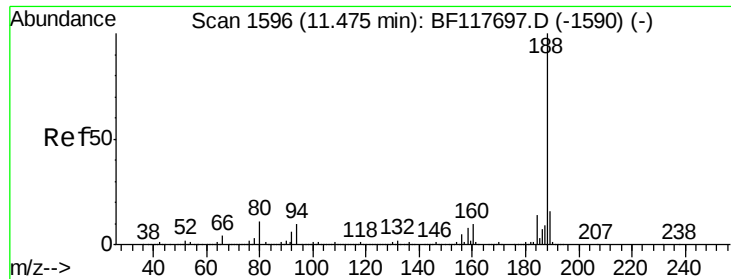
mohammad
11/11/2019 8:06:45 AM



#50
Dimethylphthalate
Concen: 3.572 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	9.5	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

Instrument :

BNA_F

ClientSampleId :

SU-04-110619

Tot Ion:188 Resp: 1073901

Ion Ratio Lower Upper

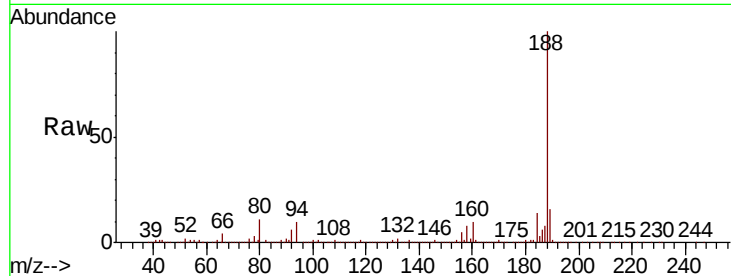
188 100

94 10.1 8.2 12.4

80 10.9 8.6 13.0

Manual Integrations
APPROVED

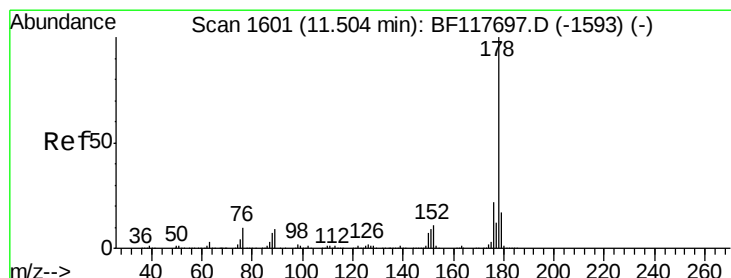
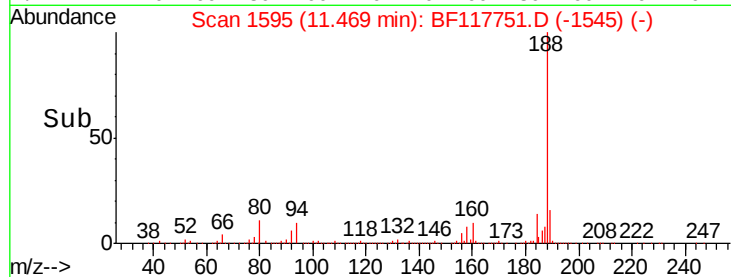
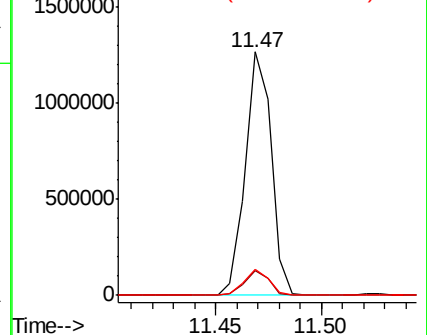
mohammad
11/11/2019 8:06:45 AM



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: 5.169 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

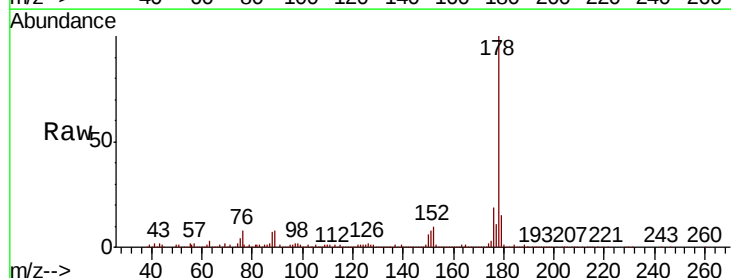
Tgt Ion:178 Resp: 266081

Ion Ratio Lower Upper

178 100

176 18.9 17.7 26.5

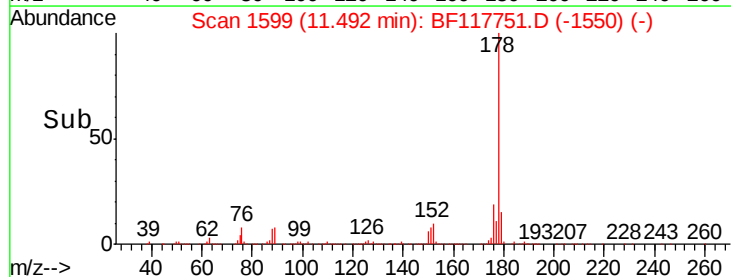
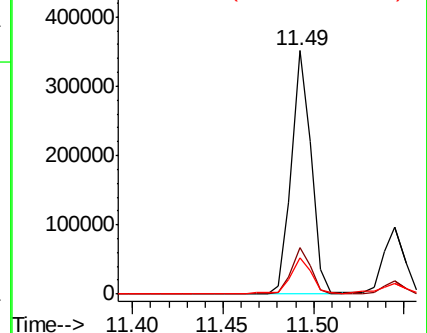
179 15.0 13.8 20.8

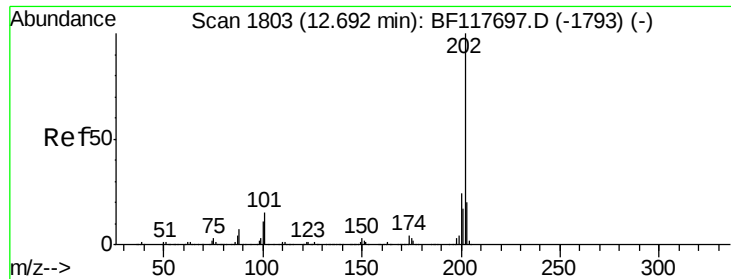


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.675 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

Instrument :

BNA_F

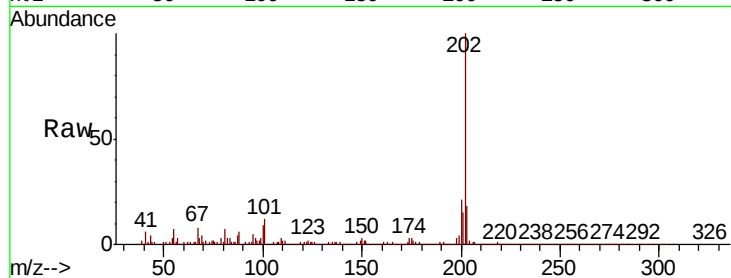
ClientSampleId :

SU-04-110619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	403368		
101	11.7	0.0	34.5	
203	18.0	0.0	39.8	

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM



Abundance

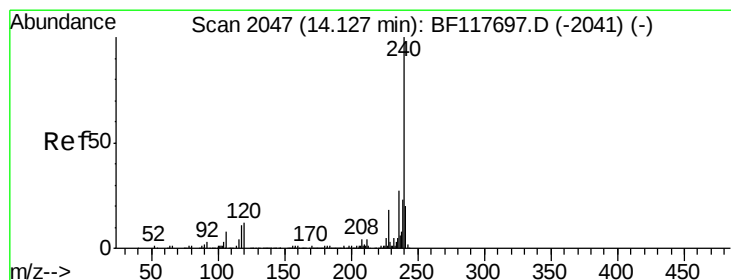
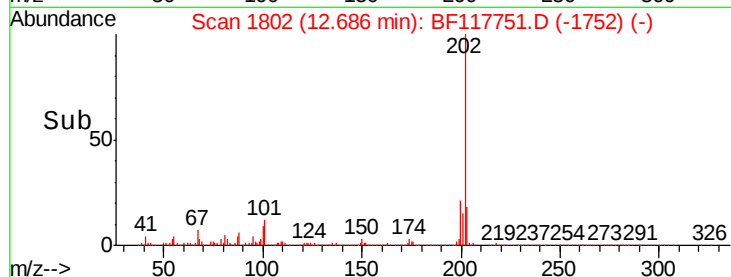
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.69

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

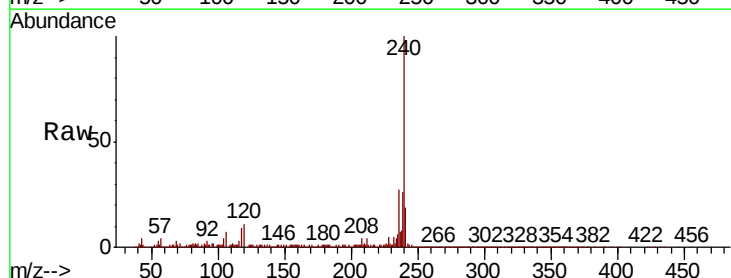
RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	658139		
120	10.7	9.7	14.5	
236	26.6	21.9	32.9	



Abundance

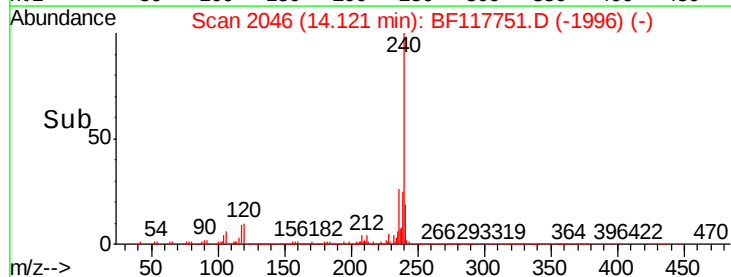
Ion 240.00 (239.70 to 240.70): E

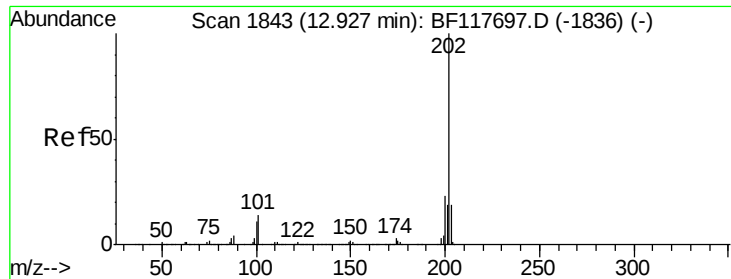
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.12

Time-->





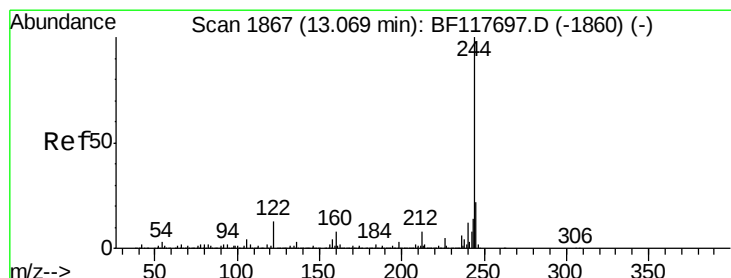
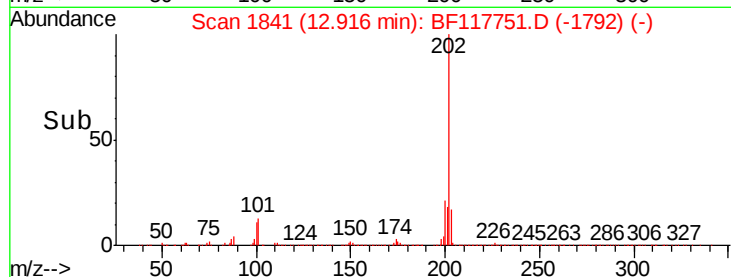
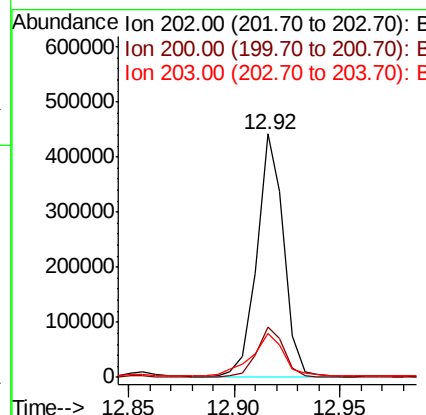
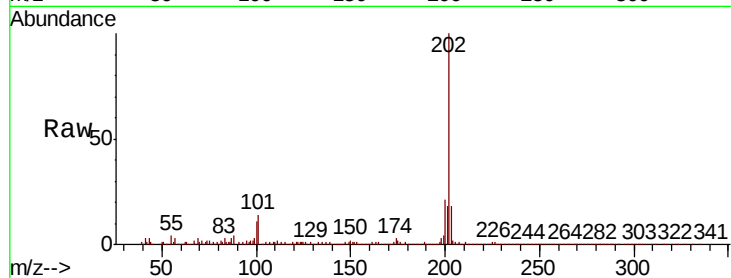
#78
Pvrene
Concen: 8.086 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	18.8	28.2
203	18.1	15.2	22.8

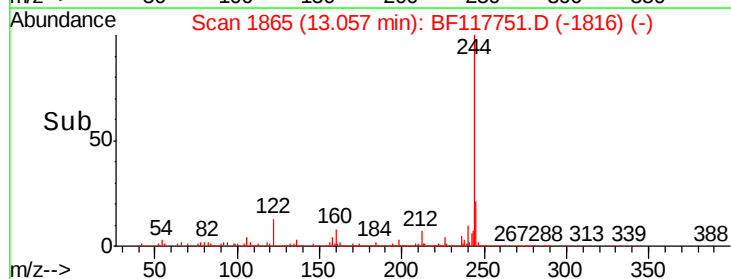
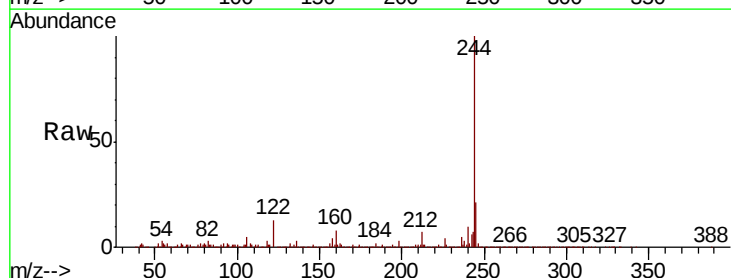
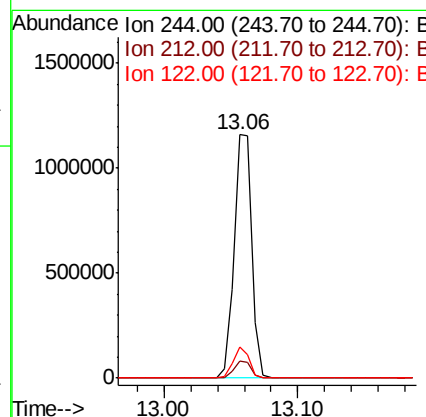
Manual Integrations
APPROVED

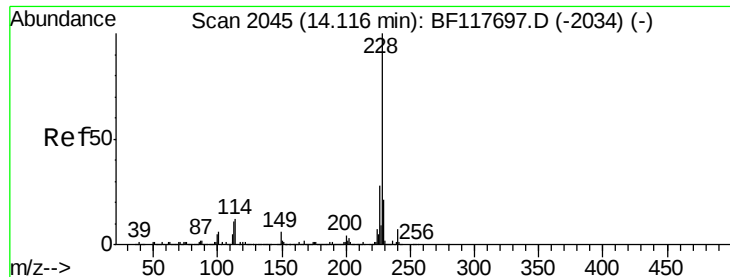
mohammad
11/11/2019 8:06:45 AM



#79
Terphenyl-d14
Concen: 33.886 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	12.9	10.0	15.0





#81

Benzo(a)anthracene

Concen: 5.265 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

Instrument :

BNA_F

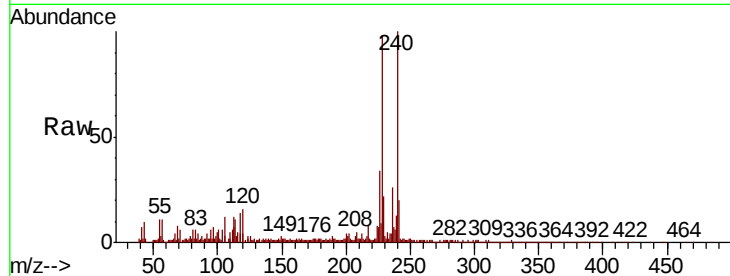
ClientSampleId :

SU-04-110619

Tot Ion:	228	Resp:	215687
Ion Ratio	Lower	Upper	
228	100		
226	34.9	22.8	34.2#
229	22.2	16.9	25.3

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM

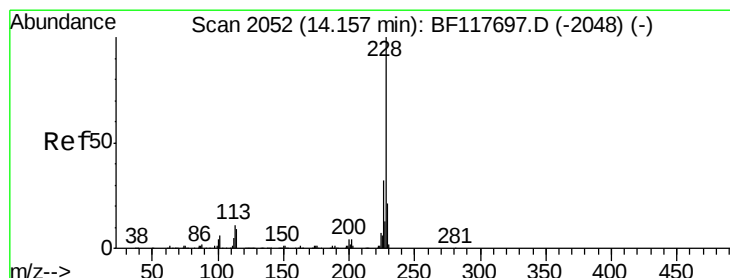
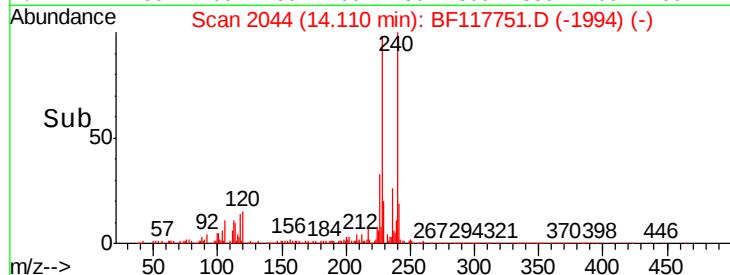
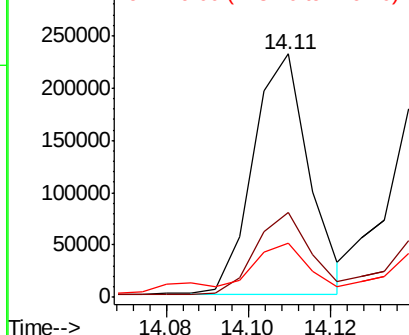


Abundance

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



#83

Chrysene

Concen: 5.300 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117751.D

Acq: 9 Nov 2019 00:18

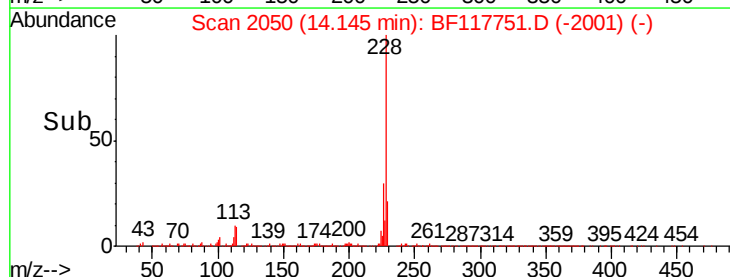
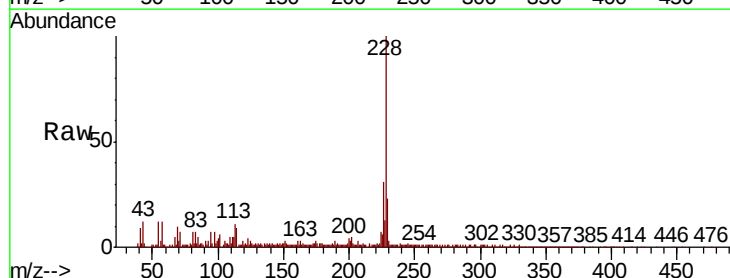
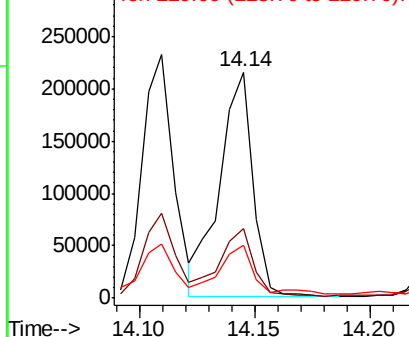
Tgt Ion:	228	Resp:	214414
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.4	38.2
229	23.3	16.6	24.8

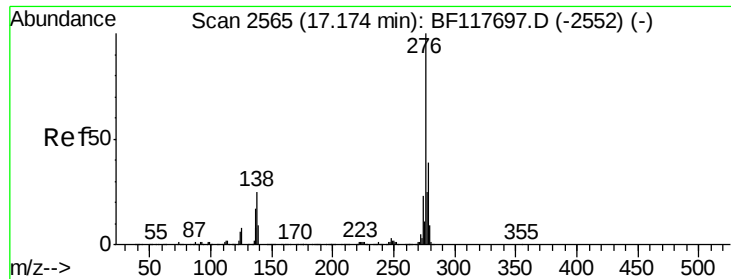
Abundance

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





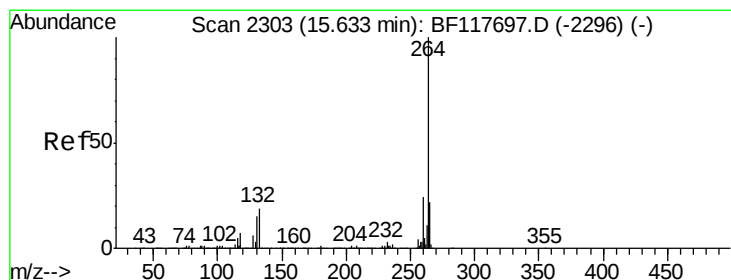
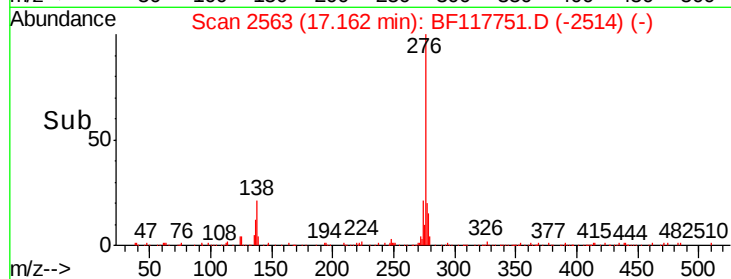
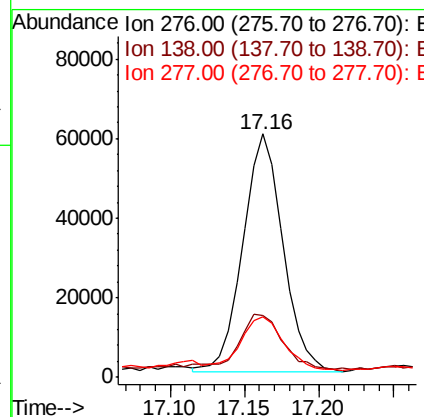
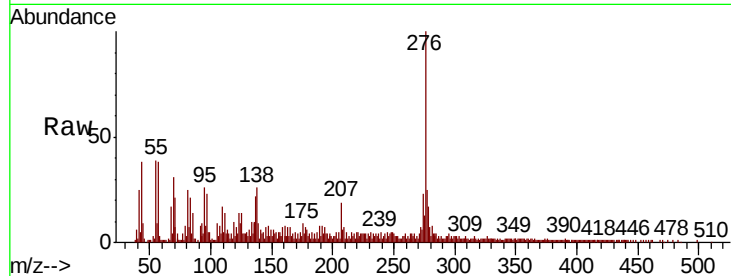
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.941 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. -0.01 min
 Lab File: BF117751.D
 Acq: 9 Nov 2019 00:18

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-110619

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	22.4	33.6
277	23.9	20.6	30.8

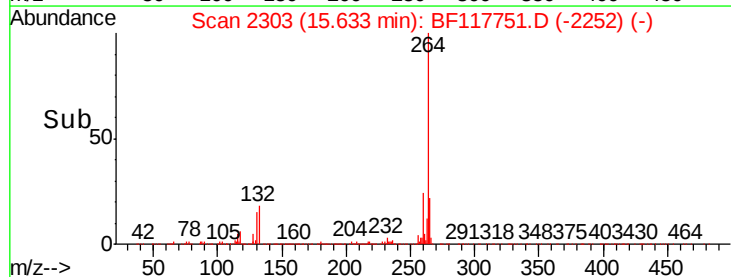
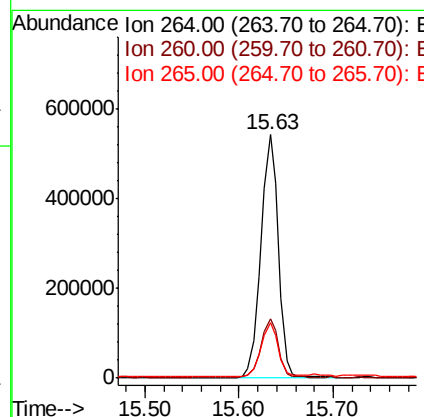
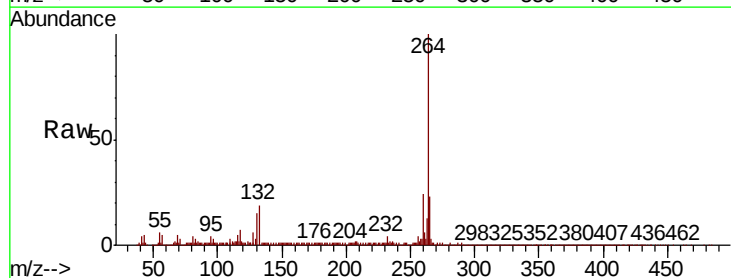
Manual Integrations
 APPROVED

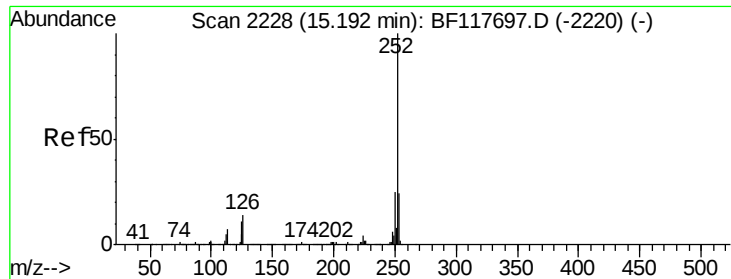
mohammad
 11/11/2019 8:06:45 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: BF117751.D
 Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.8	28.2
265	22.8	17.7	26.5





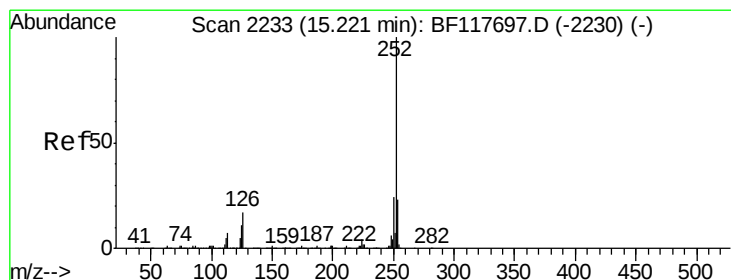
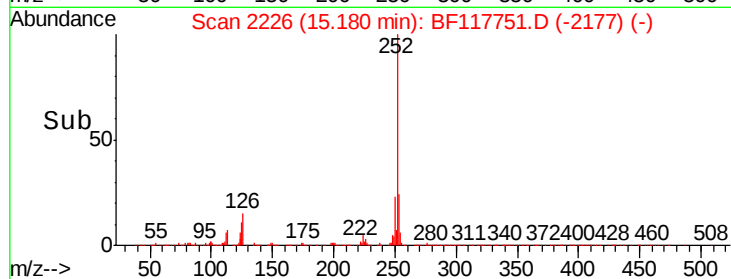
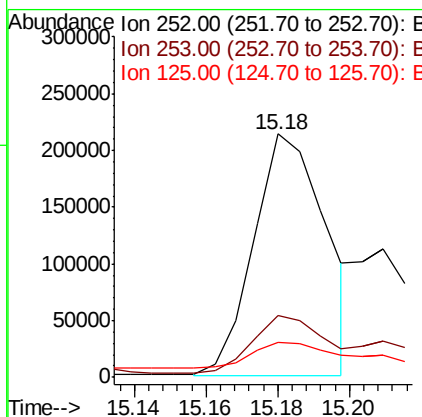
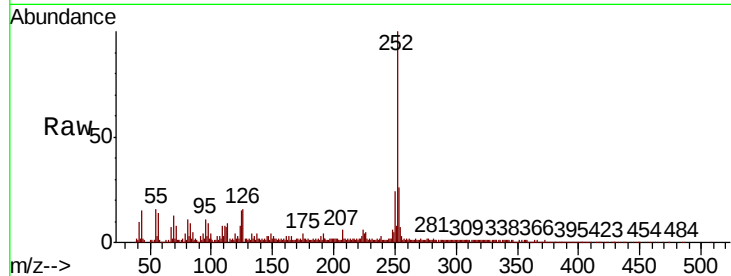
#88
Benzo(b)fluoranthene
Concen: 6.794 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Tot Ion	Ratio	Resp	Lower	Upper
252	100	297998		
253	25.6	18.9	28.3	
125	14.5	8.5	12.7	

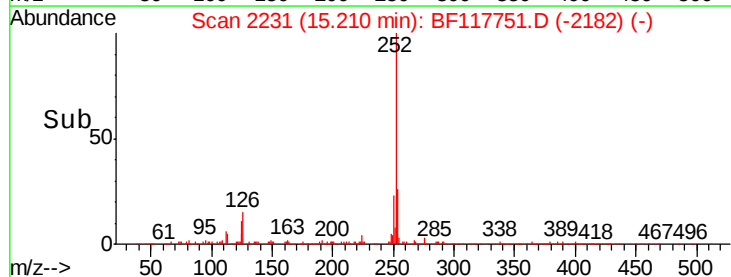
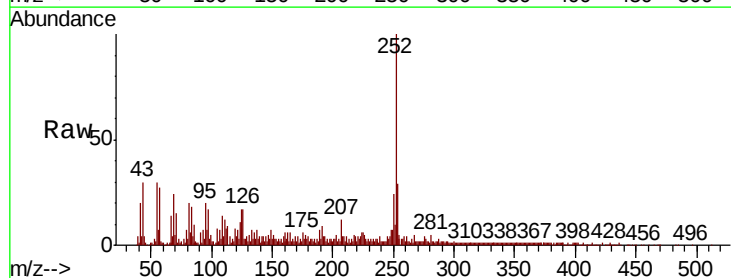
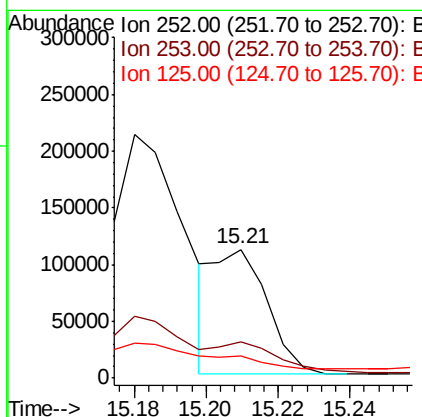
Manual Integrations
APPROVED

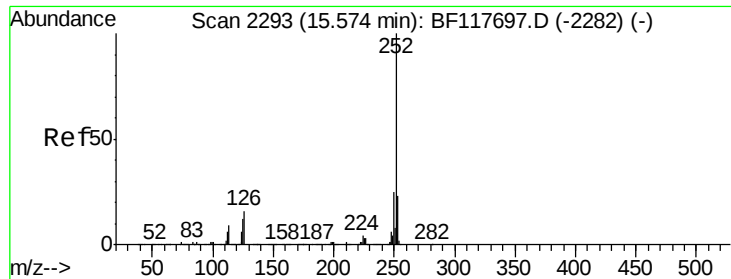
mohammad
11/11/2019 8:06:45 AM



#89
Benzo(k)fluoranthene
Concen: 2.870 ng m
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	112283		
253	28.6	17.9	26.9	
125	17.3	9.1	13.7	





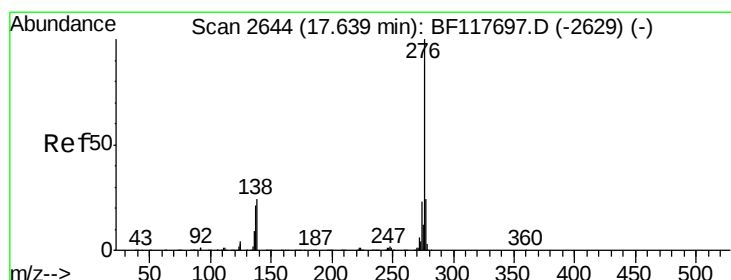
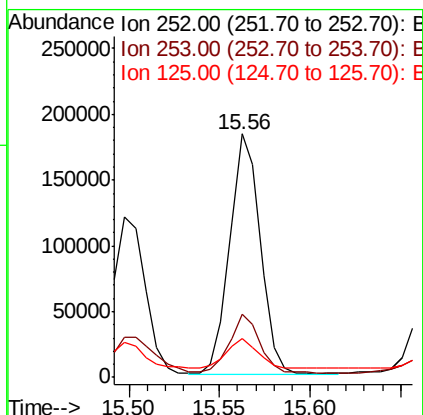
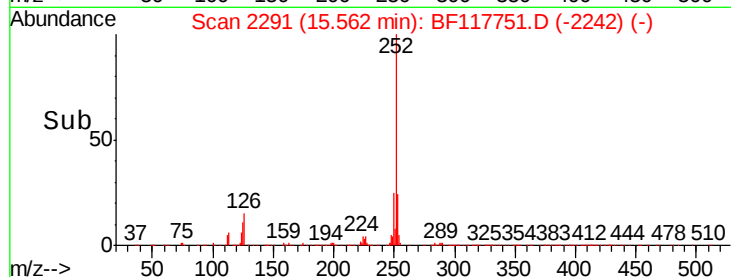
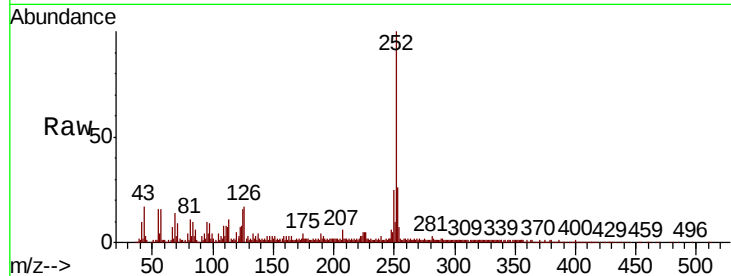
#90
Benzo(a)pyrene
Concen: 5.689 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Instrument :
BNA_F
ClientSampleId :
SU-04-110619

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	15.8	9.5	14.3

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:45 AM



#92
Benzo(g,h,i)perylene
Concen: 2.999 ng
RT: 17.63 min Scan# 2642
Delta R.T. -0.01 min
Lab File: BF117751.D
Acq: 9 Nov 2019 00:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.4	29.0
138	27.0	19.2	28.8

