

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117742.D
 Acq On : 8 Nov 2019 20:17
 Operator : JU
 Sample : K5722-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-B

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:20 AM

Quant Time: Nov 09 02:58:42 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	353303	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1388465	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	756343	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1413243	20.00	ng	0.00
76) Chrysene-d12	14.12	240	836170	20.00	ng	-0.01
87) Perylene-d12	15.62	264	848953	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1834423	93.99	ng	0.00
7) Phenol-d6	6.55	99	2361163	98.11	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1491847	63.43	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	726996	98.26	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2512154	65.53	ng	-0.01
79) Terphenyl-d14	13.06	244	2716676	66.88	ng	-0.01
Target Compounds						
10) Phenol	6.56	94	89017	3.433	ng	98
50) Dimethylphthalate	9.69	163	405187	7.924	ng	98
71) Phenanthrene	11.49	178	304217	4.491	ng	96
75) Fluoranthene	12.68	202	965282	13.956	ng	96
78) Pyrene	12.92	202	1023867	16.774	ng	95
81) Benzo(a)anthracene	14.10	228	436468m	8.386	ng	
83) Chrysene	14.14	228	566296	11.017	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	285359	5.965	ng	94
88) Benzo(b)fluoranthene	15.17	252	734105m	13.730	ng	
89) Benzo(k)fluoranthene	15.20	252	236636m	4.962	ng	
90) Benzo(a)pyrene	15.55	252	349716	7.545	ng	98
92) Benzo(a,h,i)perylene	17.60	276	262305	6.511	ng	99

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

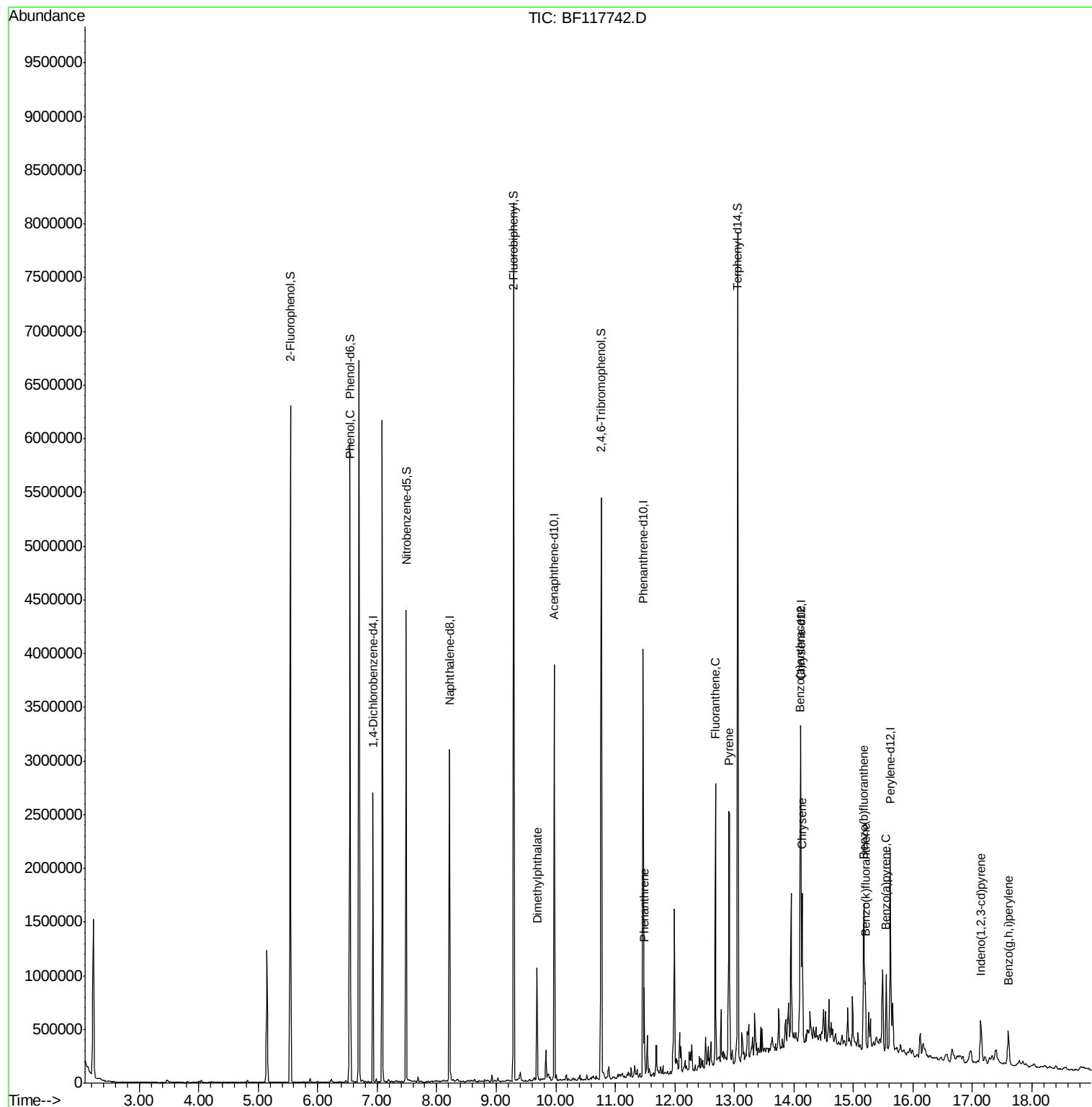
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117742.D
Acq On : 8 Nov 2019 20:17
Operator : JU
Sample : K5722-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3-B

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:20 AM

Quant Time: Nov 09 02:58:42 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

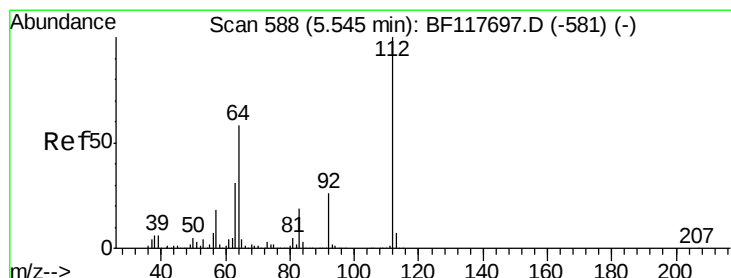
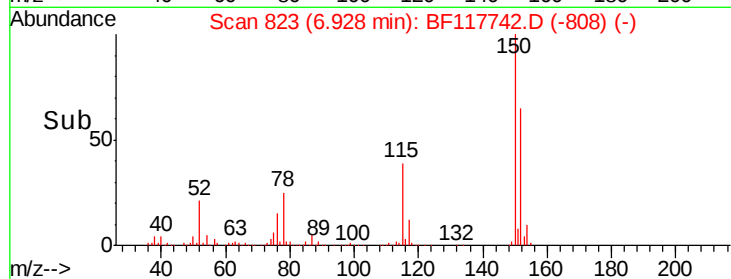
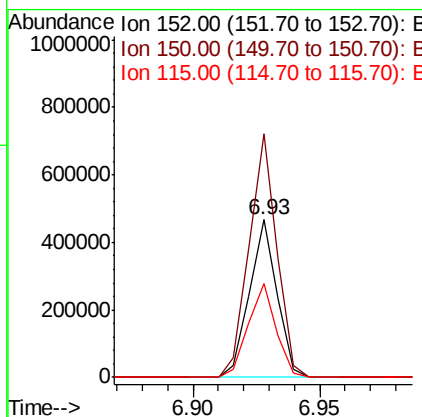
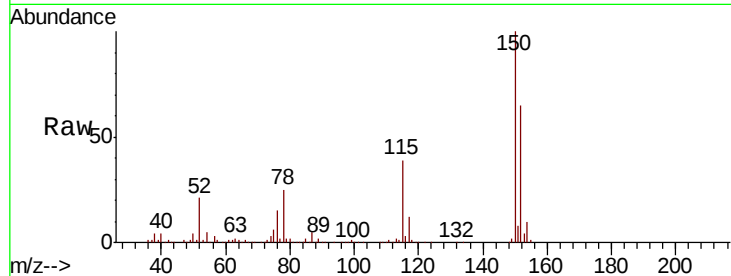
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Instrument :
BNA_F
ClientSampled :
3-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	121.4	182.2
115	59.9	46.7	70.1

Manual Integrations
APPROVED

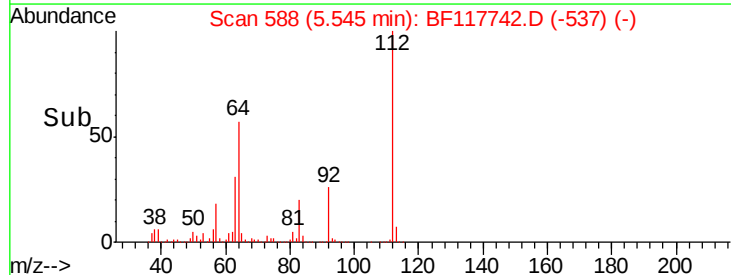
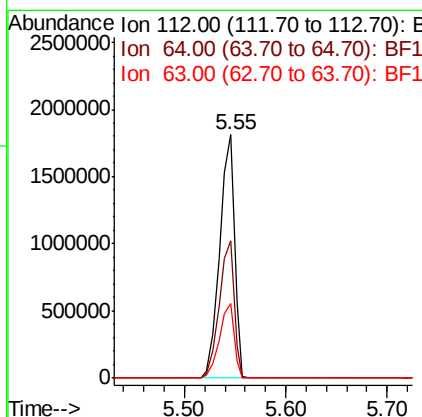
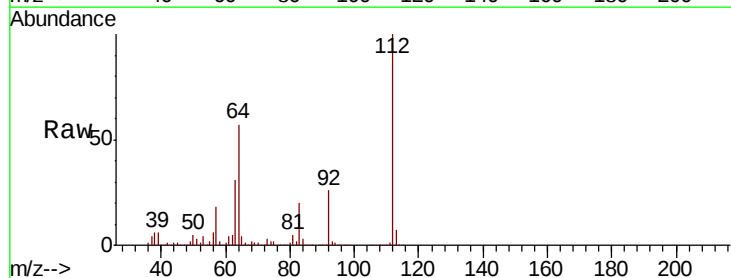
mohammad
11/11/2019 8:06:20 AM



#5

2-Fluorophenol
Concen: 93.987 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	46.4	69.6
63	30.5	24.6	37.0





#7

Phenol-d6

Concen: 98.112 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117742.D

Acq: 8 Nov 2019 20:17

Instrument :

BNA_F

ClientSampled :

3-B

Tot Ion: 99 Resp: 2361163

Ion Ratio Lower Upper

99 100

42 20.5 15.3 22.9

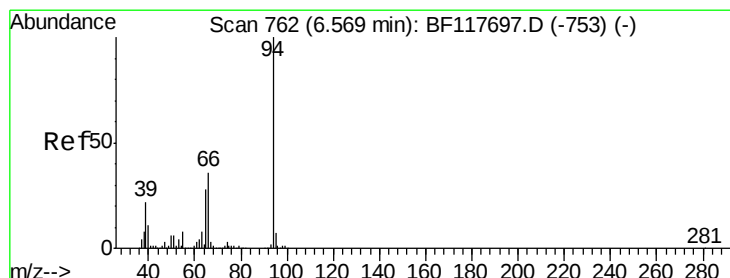
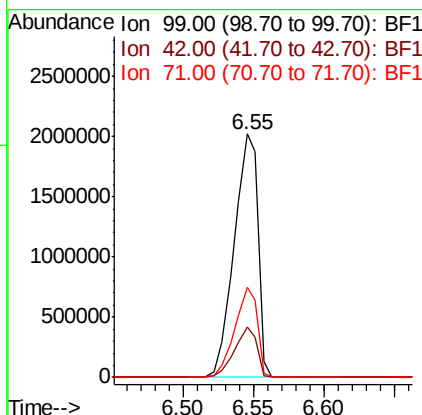
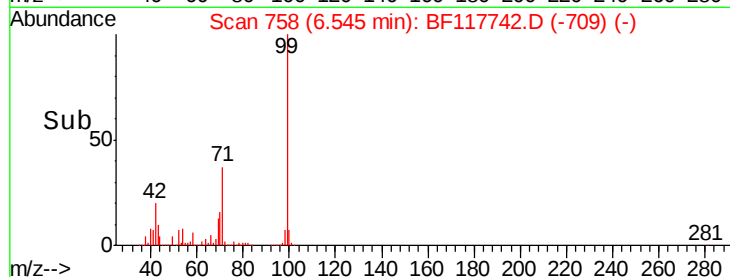
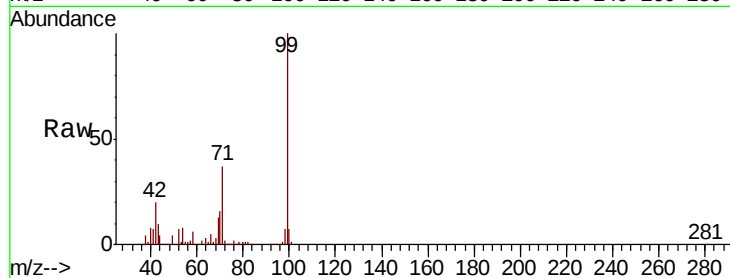
71 37.0 26.8 40.2

Manual Integrations

APPROVED

mohammad

11/11/2019 8:06:20 AM



#10

Phenol

Concen: 3.433 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117742.D

Acq: 8 Nov 2019 20:17

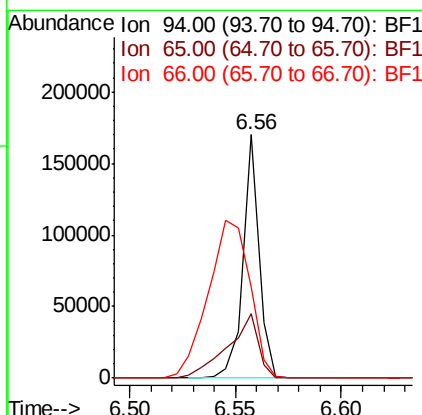
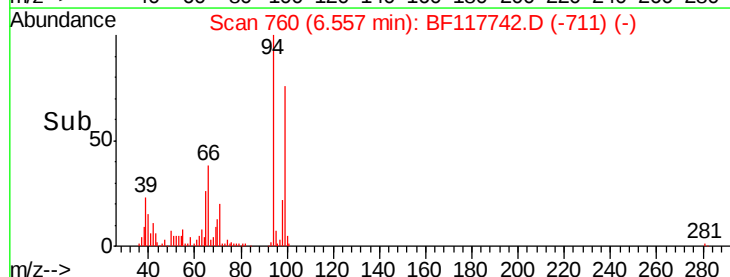
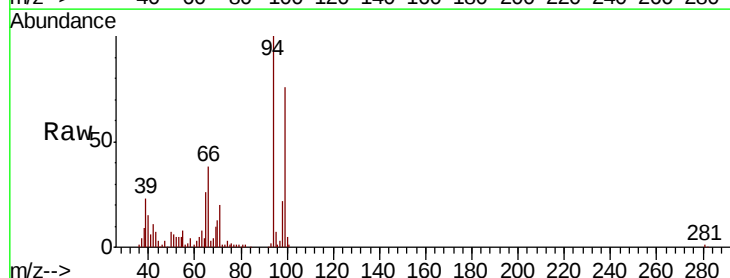
Tgt Ion: 94 Resp: 89017

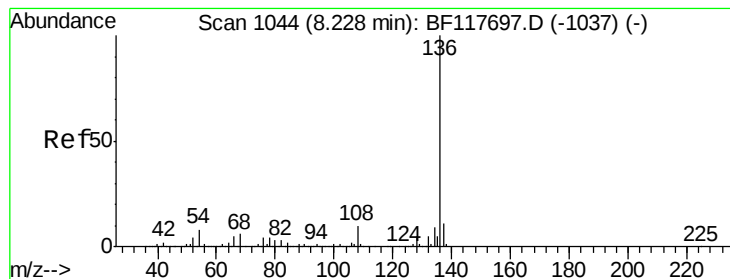
Ion Ratio Lower Upper

94 100

65 26.4 7.6 47.6

66 37.6 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: BF117742.D

Acq: 8 Nov 2019 20:17

Instrument :

BNA_F

ClientSampled :

3-B

Tot Ion:136 Resp: 1388465

Ion Ratio Lower Upper

136 100

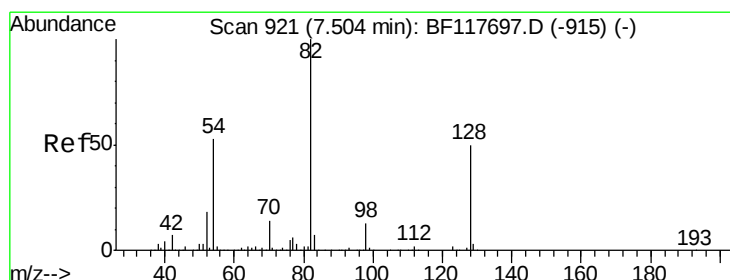
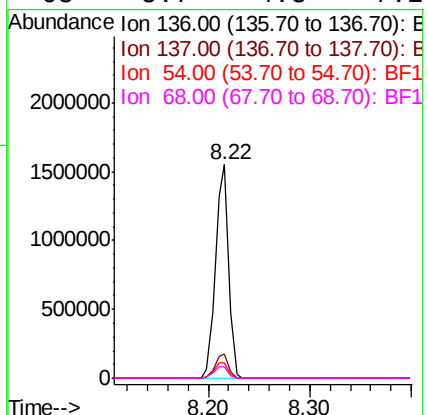
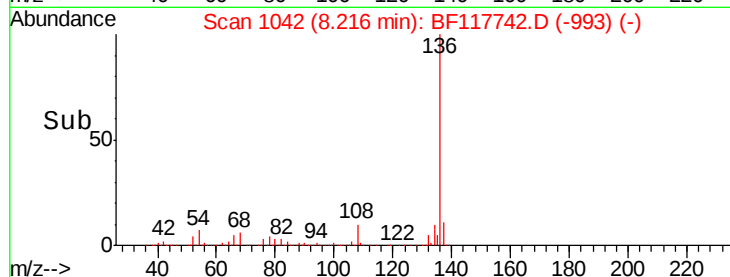
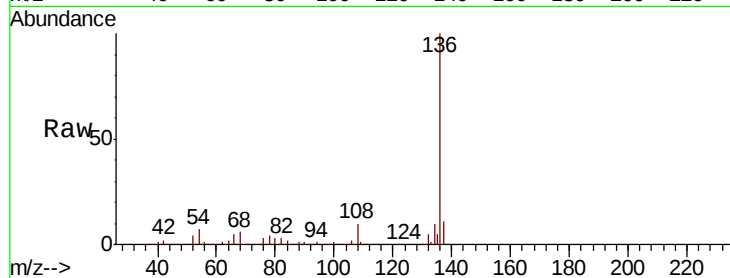
137 11.1 8.8 13.2

54 7.5 6.0 9.0

68 5.7 4.8 7.2

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:20 AM



#23

Nitrobenzene-d5

Concen: 63.435 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF117742.D

Acq: 8 Nov 2019 20:17

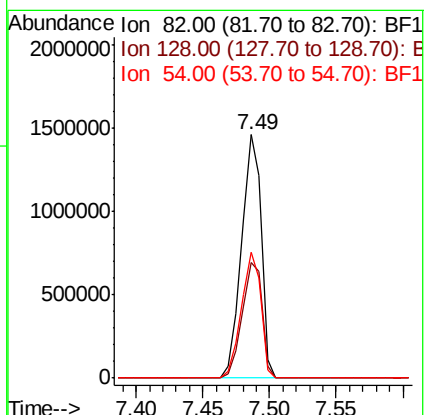
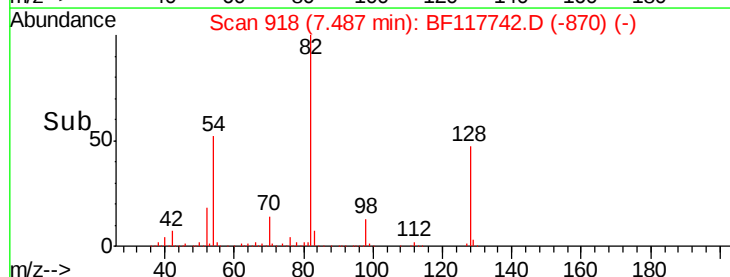
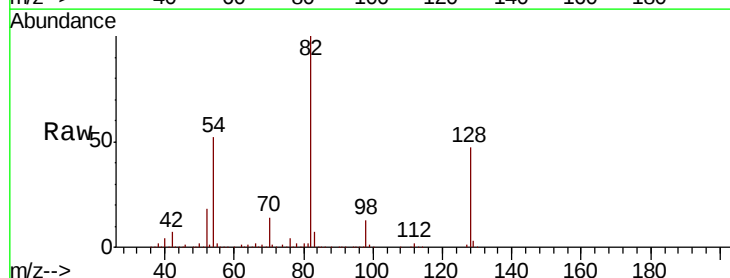
Tgt Ion: 82 Resp: 1491847

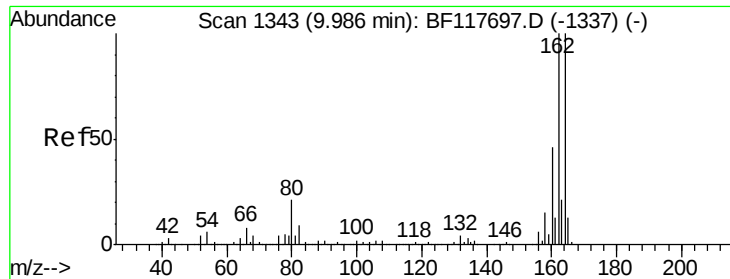
Ion Ratio Lower Upper

82 100

128 47.3 40.2 60.2

54 51.8 42.0 63.0





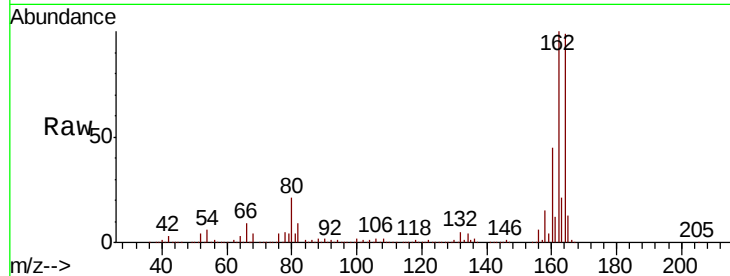
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF117742.D
 Acq: 8 Nov 2019 20:17

Instrument :
 BNA_F
 ClientSampleId :
 3-B

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.7	119.5
160	45.5	36.5	54.7

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:20 AM

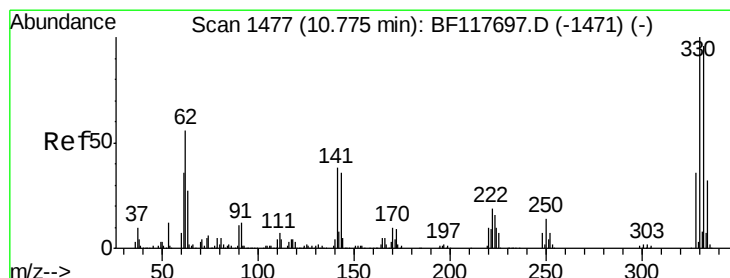
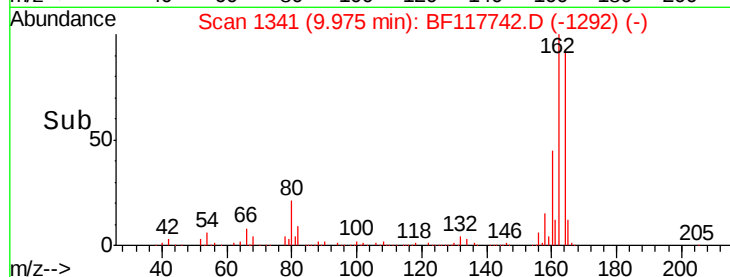
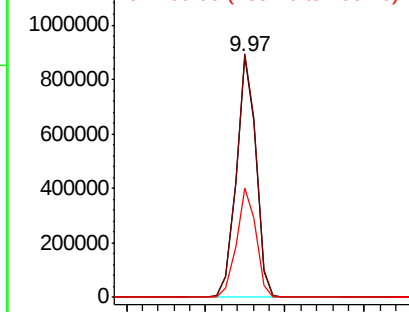


Abundance

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: 98.259 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117742.D
 Acq: 8 Nov 2019 20:17

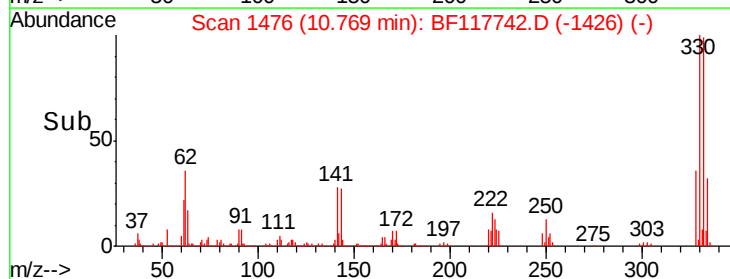
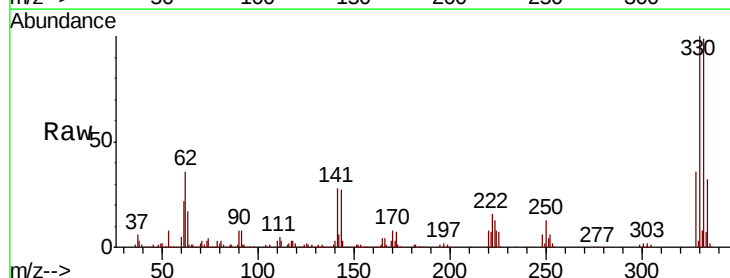
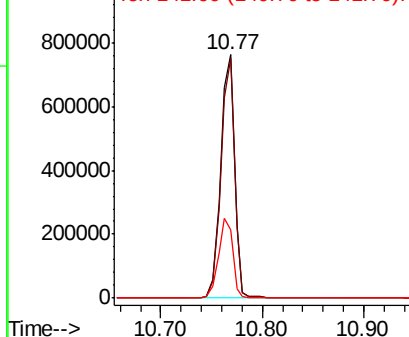
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	33.8	28.0	42.0

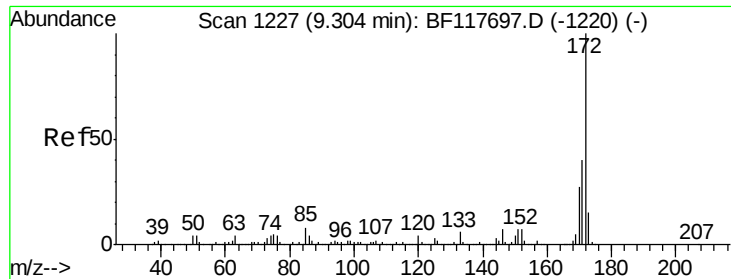
Abundance

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





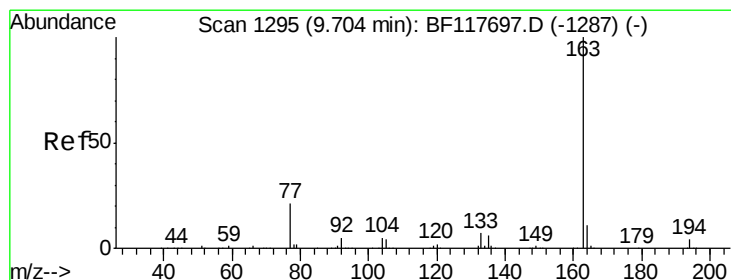
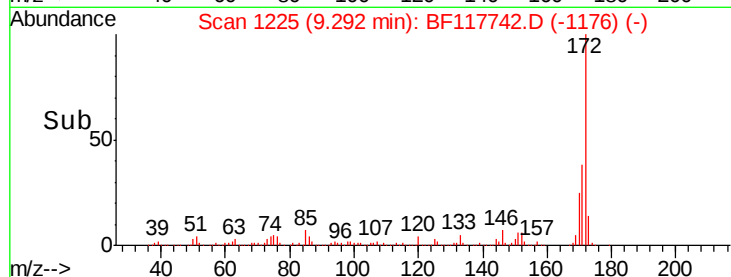
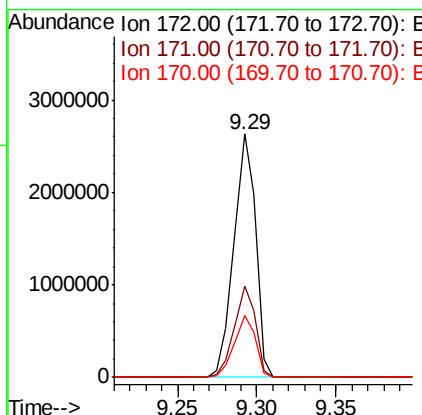
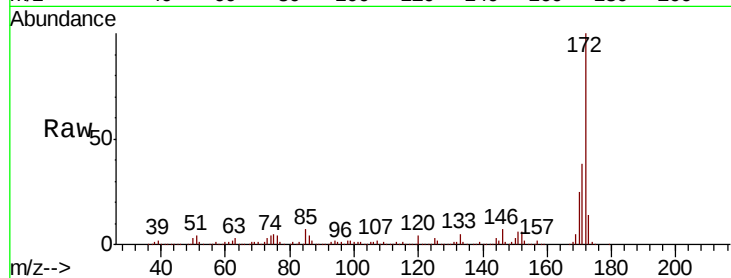
#45
2-Fluorobiphenyl
Concen: 65.533 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Instrument :
BNA_F
ClientSampleId :
3-B

Tot Ion	Ion	Ratio	Lower	Upper
2512154	172	100		
	171	37.6	31.8	47.8
	170	25.3	21.6	32.4

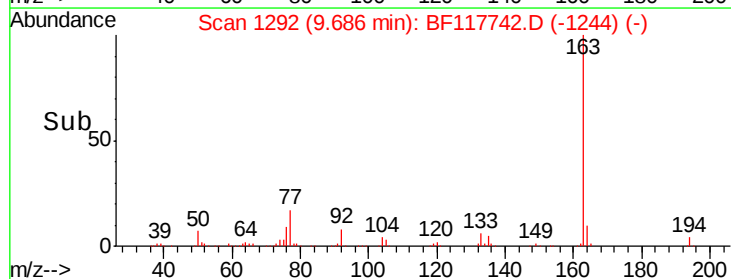
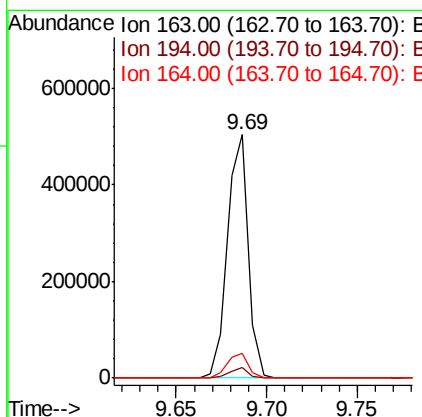
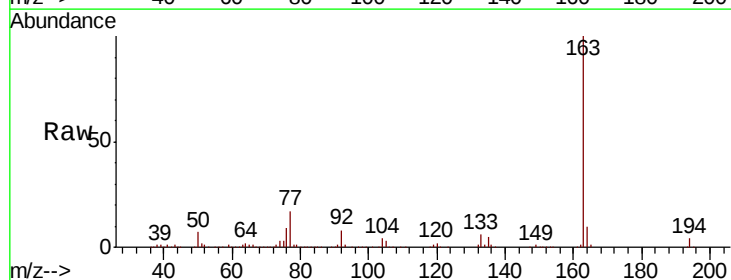
Manual Integrations
APPROVED

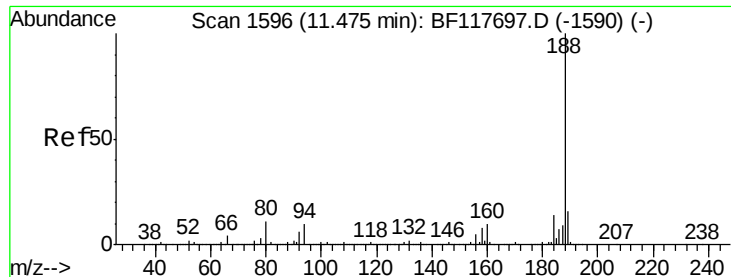
mohammad
11/11/2019 8:06:20 AM



#50
Dimethylphthalate
Concen: 7.924 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
405187	163	100		
	194	4.2	3.4	5.0
	164	10.1	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: BF117742.D

Acq: 8 Nov 2019 20:17

Instrument :

BNA_F

ClientSampleId :

3-B

Tot Ion:188 Resp: 1413243

Ion Ratio Lower Upper

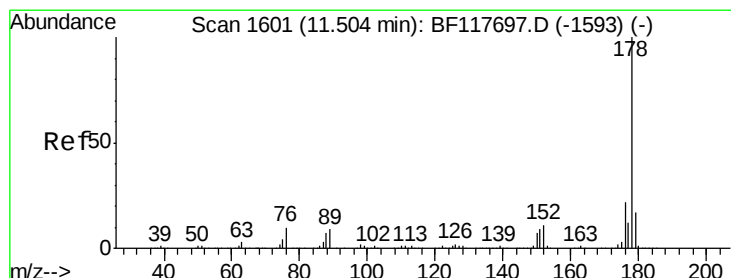
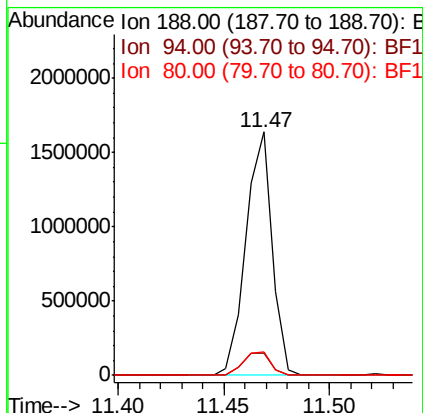
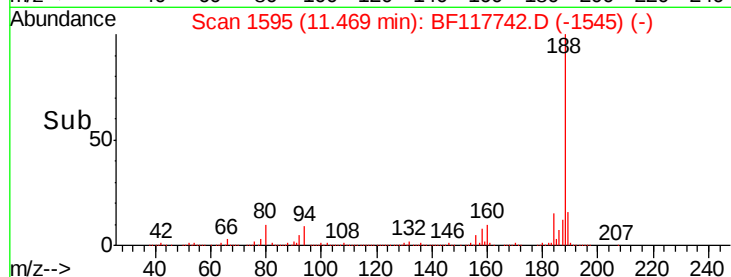
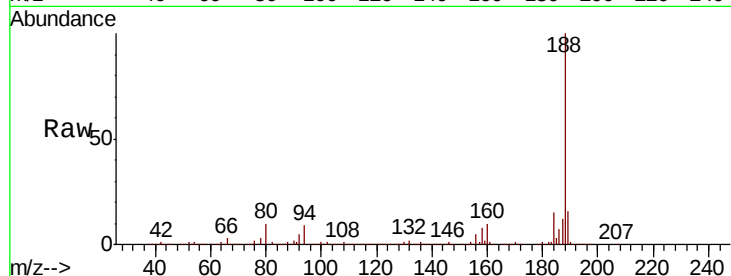
188 100

94 9.2 8.2 12.4

80 9.7 8.6 13.0

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:20 AM



#71

Phenanthrene

Concen: 4.491 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.02 min

Lab File: BF117742.D

Acq: 8 Nov 2019 20:17

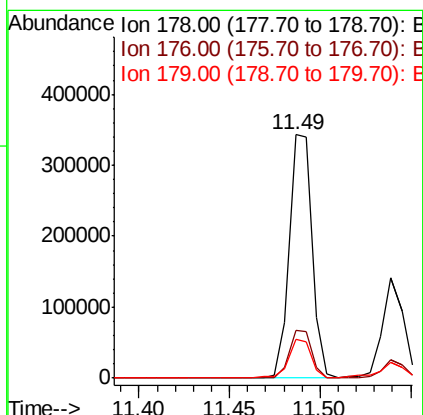
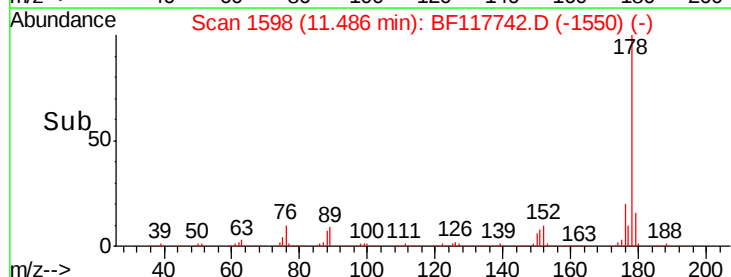
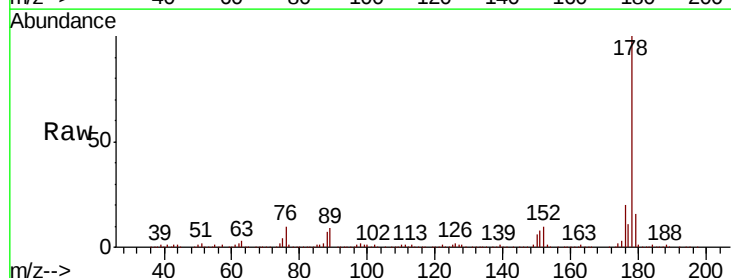
Tgt Ion:178 Resp: 304217

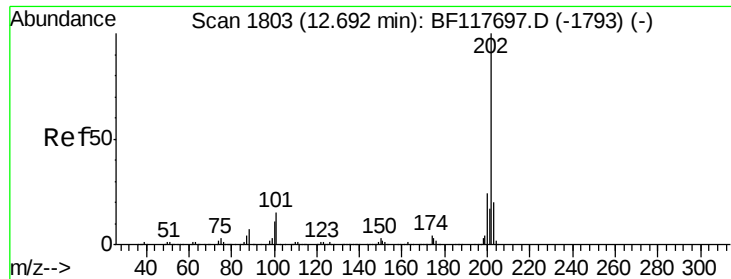
Ion Ratio Lower Upper

178 100

176 19.6 17.7 26.5

179 16.0 13.8 20.8





#75

Fluoranthene

Concen: 13.956 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117742.D

Acq: 8 Nov 2019 20:17

Instrument :

BNA_F

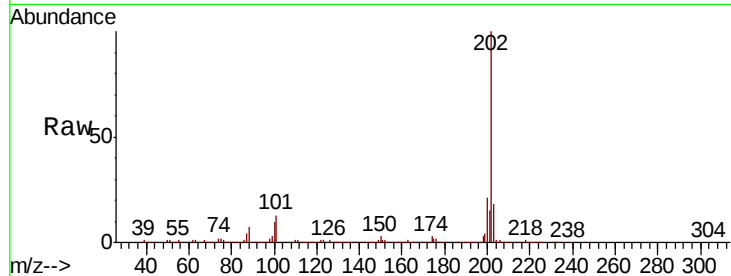
ClientSampled :

3-B

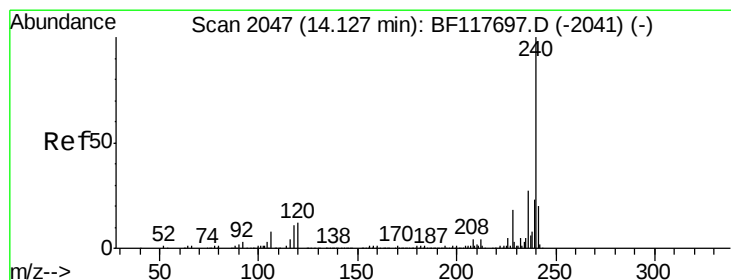
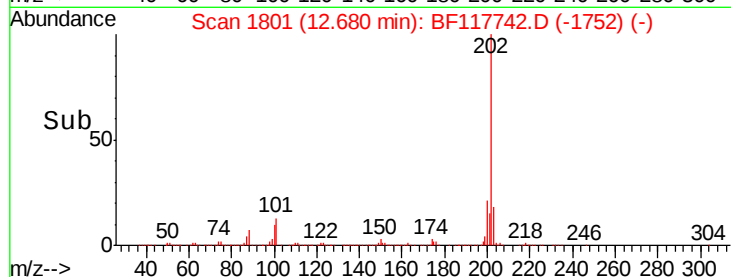
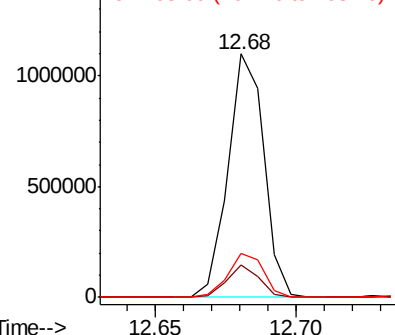
Tot Ion:	202	Resp:	965282
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.5
203	18.1	0.0	39.8

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:20 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



#76

Chrysene-d12

Concen: 20.000 ng

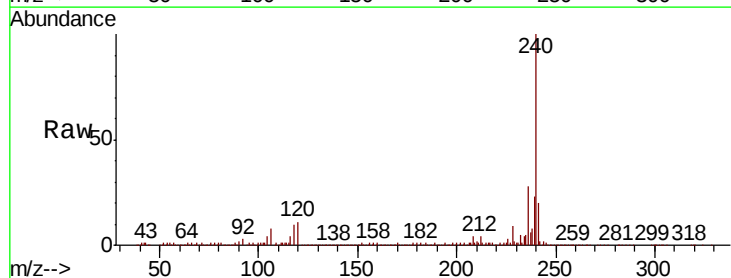
RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

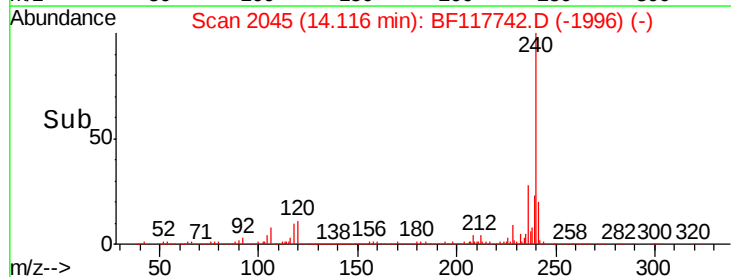
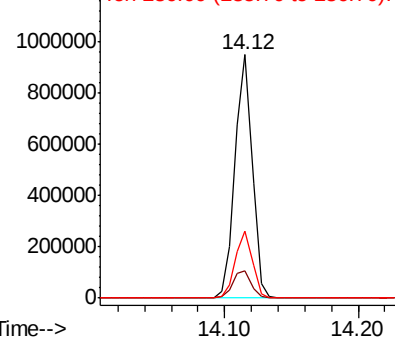
Lab File: BF117742.D

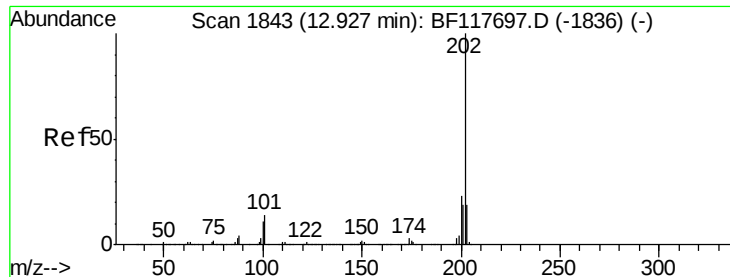
Acq: 8 Nov 2019 20:17

Tgt Ion:	240	Resp:	836170
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.7	14.5
236	27.7	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





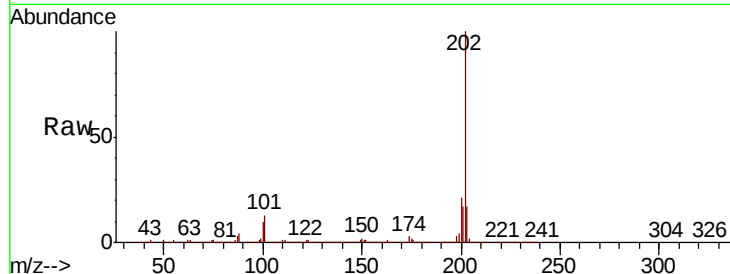
#78
Pvrene
Concen: 16.774 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Instrument :
BNA_F
ClientSampled :
3-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.8	28.2
203	17.3	15.2	22.8

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:20 AM

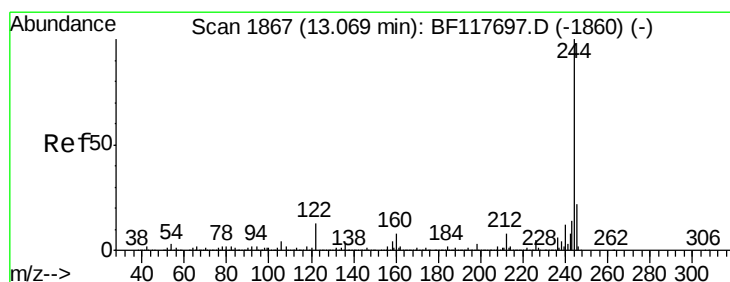
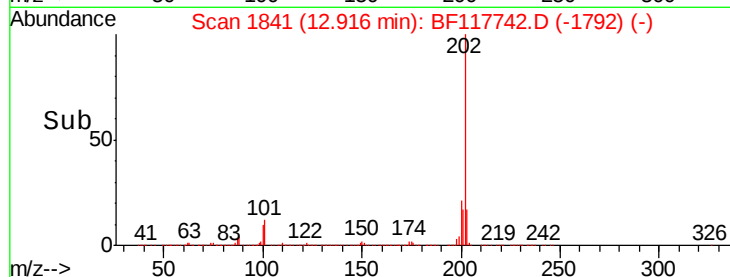
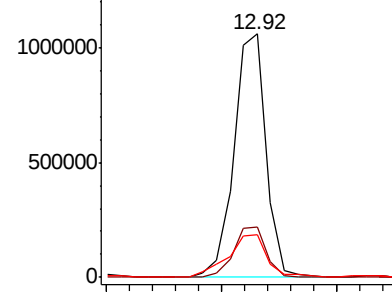


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 66.882 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

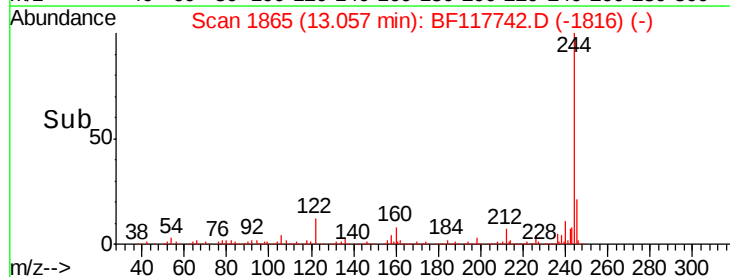
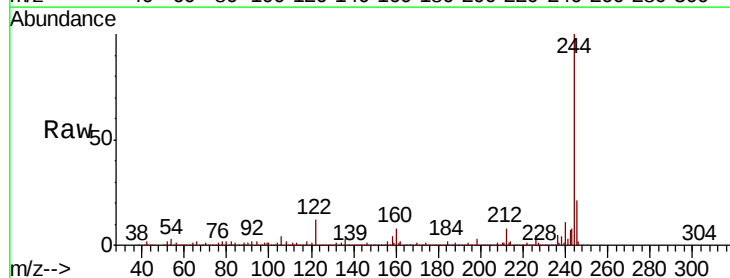
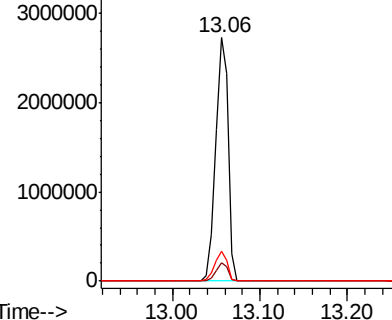
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	12.3	10.0	15.0

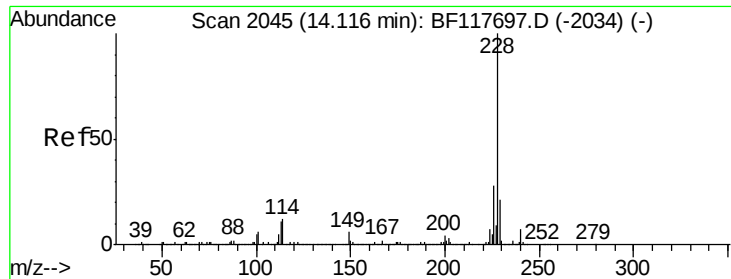
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





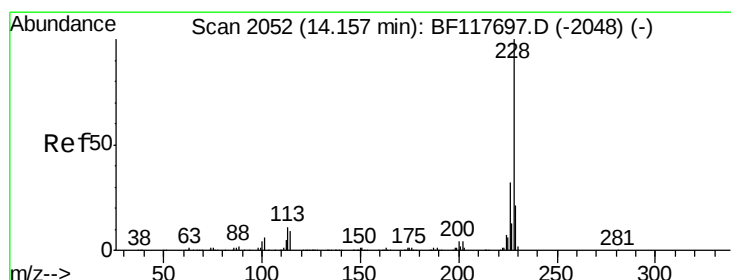
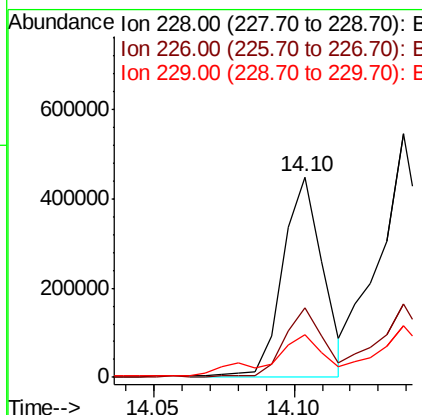
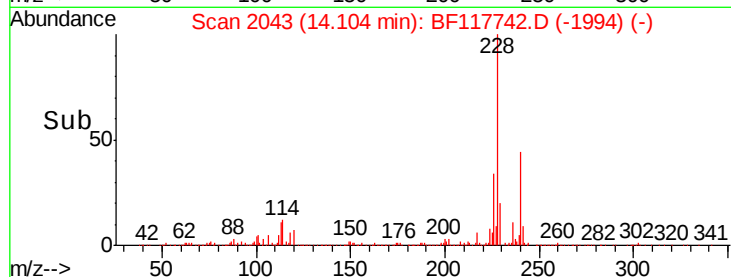
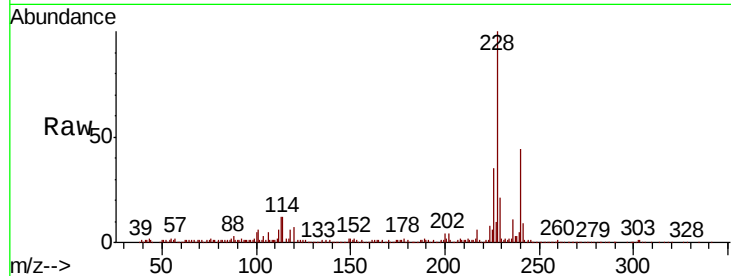
#81
Benzo(a)anthracene
Concen: 8.386 ng m
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Instrument :
BNA_F
ClientSampleId :
3-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.8	34.2#
229	21.4	16.9	25.3

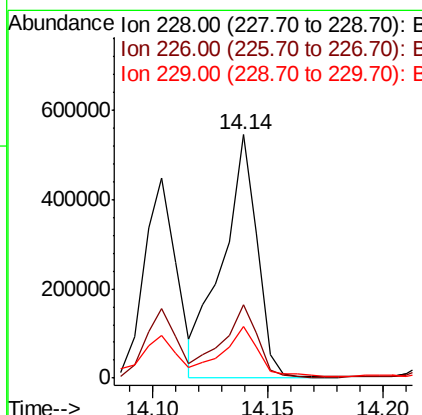
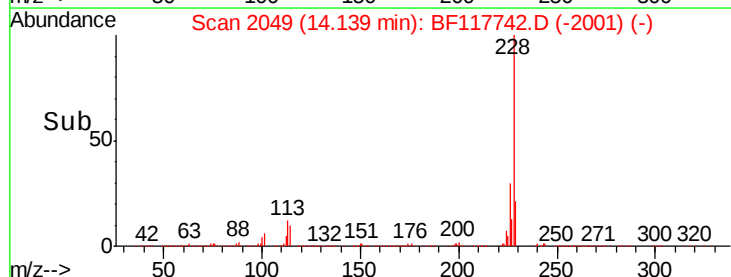
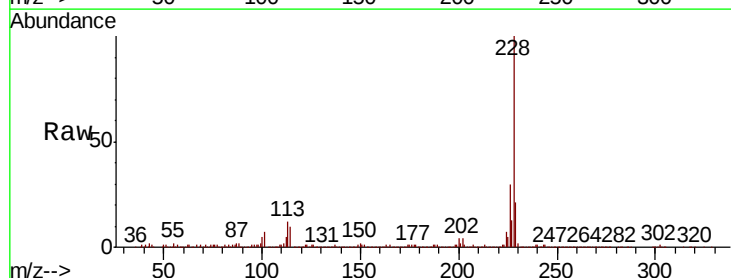
Manual Integrations
APPROVED

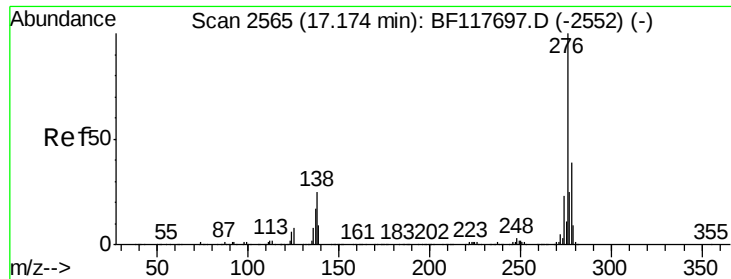
mohammad
11/11/2019 8:06:20 AM



#83
Chrysene
Concen: 11.017 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.2
229	21.4	16.6	24.8





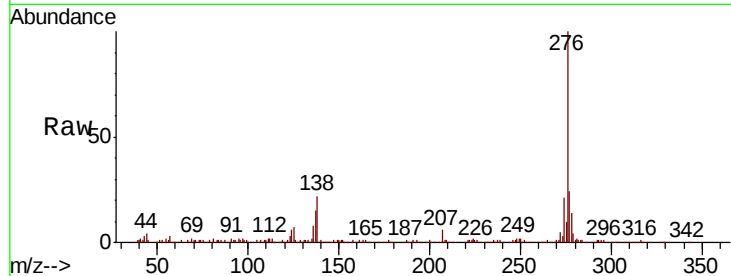
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.965 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. -0.04 min
 Lab File: BF117742.D
 Acq: 8 Nov 2019 20:17

Instrument :
 BNA_F
 ClientSampleId :
 3-B

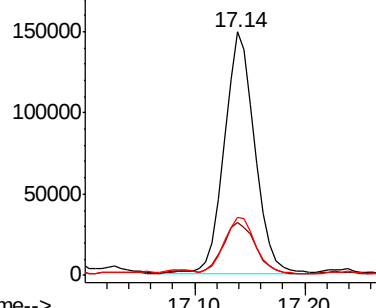
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	22.4	33.6
277	24.3	20.6	30.8

Manual Integrations
 APPROVED

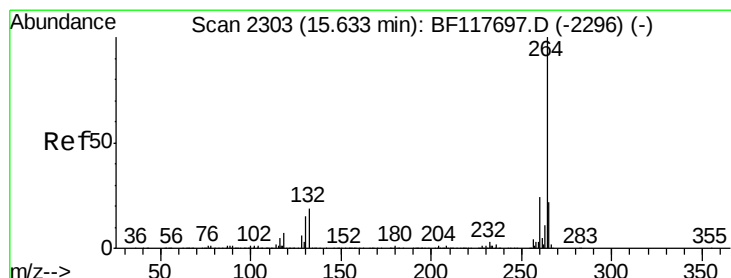
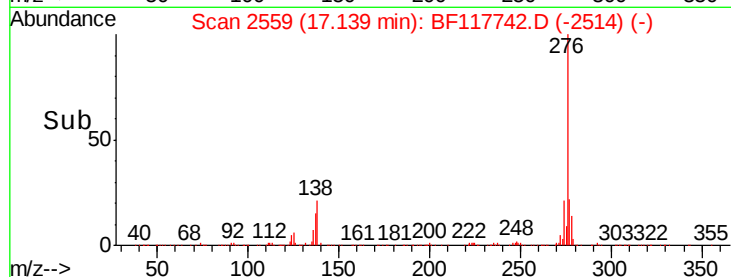
mohammad
 11/11/2019 8:06:20 AM



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

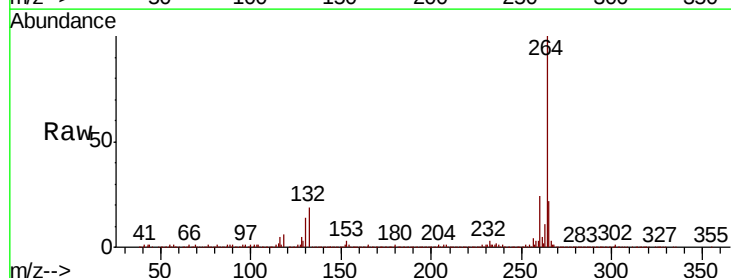


Time-->

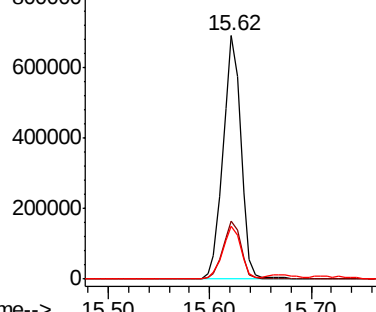


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BF117742.D
 Acq: 8 Nov 2019 20:17

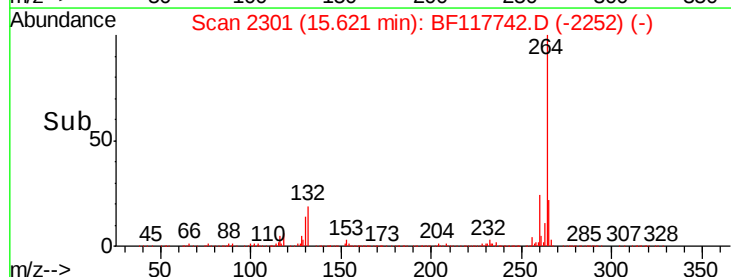
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.8	17.7	26.5

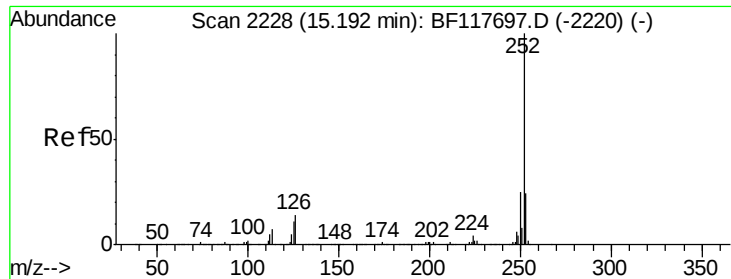


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





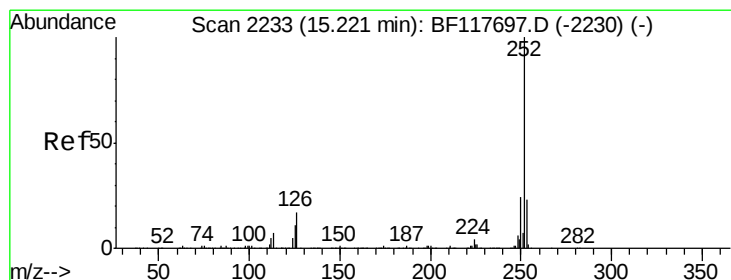
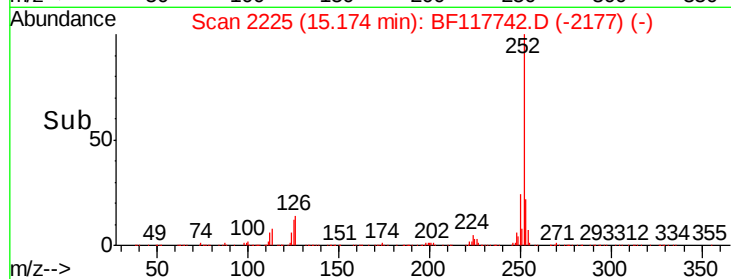
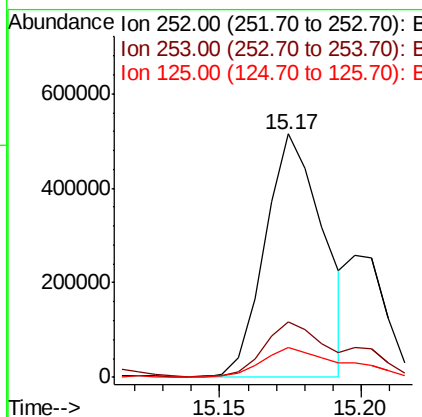
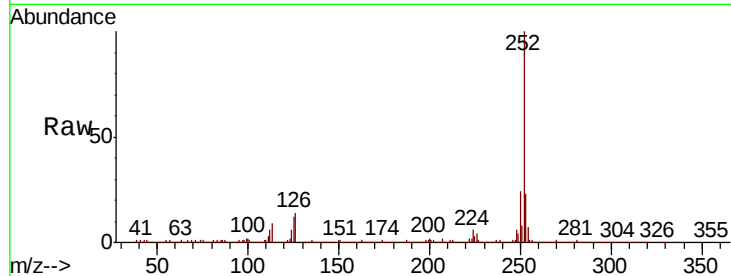
#88
Benzo(b)fluoranthene
Concen: 13.730 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Instrument :
BNA_F
ClientSampleId :
3-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.9	28.3
125	12.1	8.5	12.7

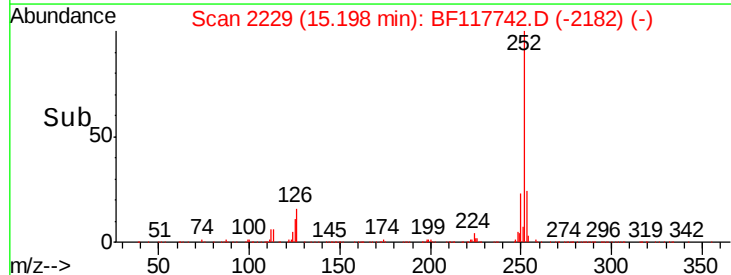
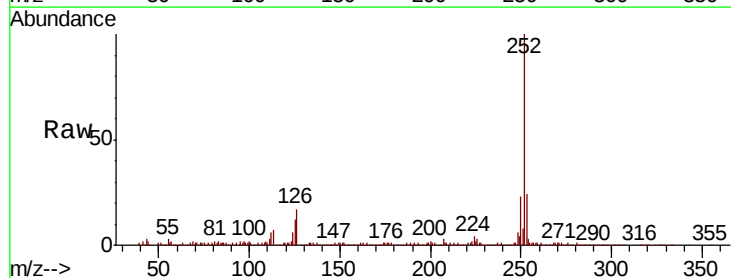
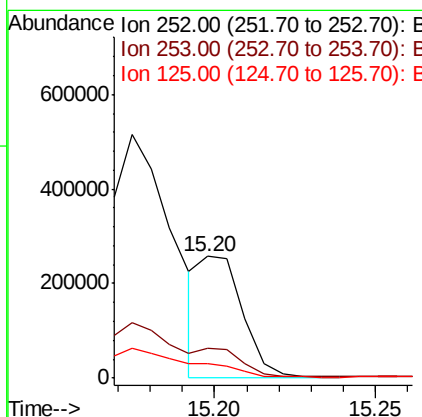
Manual Integrations
APPROVED

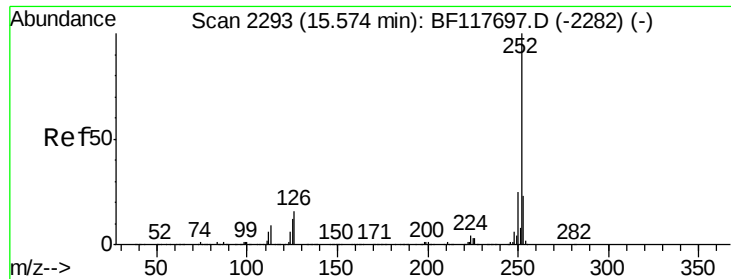
mohammad
11/11/2019 8:06:20 AM



#89
Benzo(k)fluoranthene
Concen: 4.962 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.1	9.1	13.7





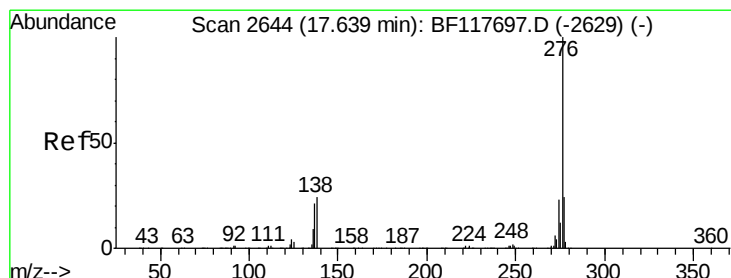
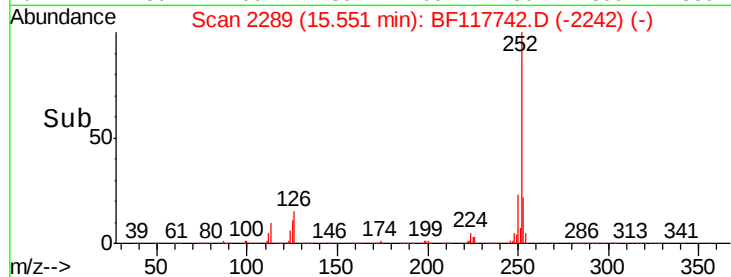
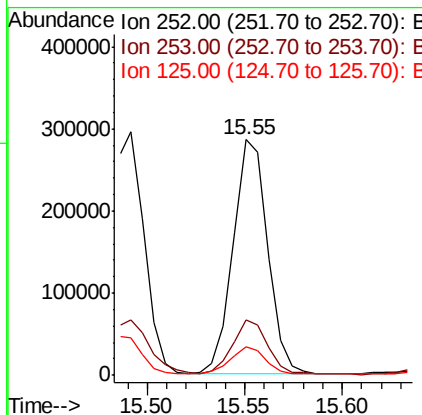
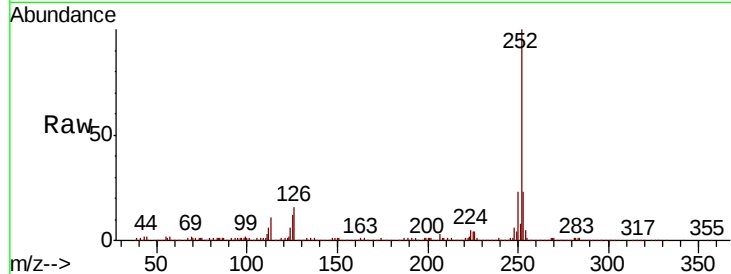
#90
Benzo(a)pyrene
Concen: 7.545 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Instrument :
BNA_F
ClientSampleId :
3-B

Tot Ion:	252	Resp:	349716
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	12.4	9.5	14.3

Manual Integrations
APPROVED

mohammad
11/11/2019 8:06:20 AM



#92
Benzo(g,h,i)perylene
Concen: 6.511 ng
RT: 17.60 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF117742.D
Acq: 8 Nov 2019 20:17

Tgt Ion:	276	Resp:	262305
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.0
138	24.2	19.2	28.8

