

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
 Data File : BF117766.D
 Acq On : 12 Nov 2019 18:16
 Operator : JU
 Sample : K5670-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-111119

Manual Integrations
 APPROVED

mohammad
 11/13/2019 6:48:37 PM

Quant Time: Nov 13 03:15:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 13:32:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	264303	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	990006	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	484569	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	812461	20.00	ng	0.00
76) Chrysene-d12	14.12	240	667493	20.00	ng	0.00
87) Perylene-d12	15.63	264	681477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	570034	39.04	ng	0.00
7) Phenol-d6	6.54	99	709673	39.42	ng	0.00
23) Nitrobenzene-d5	7.48	82	410350	24.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	170773	36.03	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	807852	32.89	ng	0.00
79) Terphenyl-d14	13.06	244	803890	24.79	ng	0.00
Target Compounds						
49) Acenaphthylene	9.83	152	98157	2.393	ng	97
50) Dimethylphthalate	9.68	163	92841	2.834	ng	99
71) Phenanthrene	11.49	178	217963	5.597	ng	97
75) Fluoranthene	12.68	202	346487	8.714	ng	97
78) Pyrene	12.92	202	417954	8.578	ng	94
81) Benzo(a)anthracene	14.10	228	214875	5.172	ng	# 85
83) Chrysene	14.14	228	214663	5.232	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.16	276	94074	2.463	ng	95
88) Benzo(b)fluoranthene	15.18	252	263266m	6.134	ng	
89) Benzo(k)fluoranthene	15.20	252	82085m	2.144	ng	
90) Benzo(a)pyrene	15.56	252	185024	4.973	ng	96
92) Benzo(a,h,i)perylene	17.62	276	103836	3.211	ng	98

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

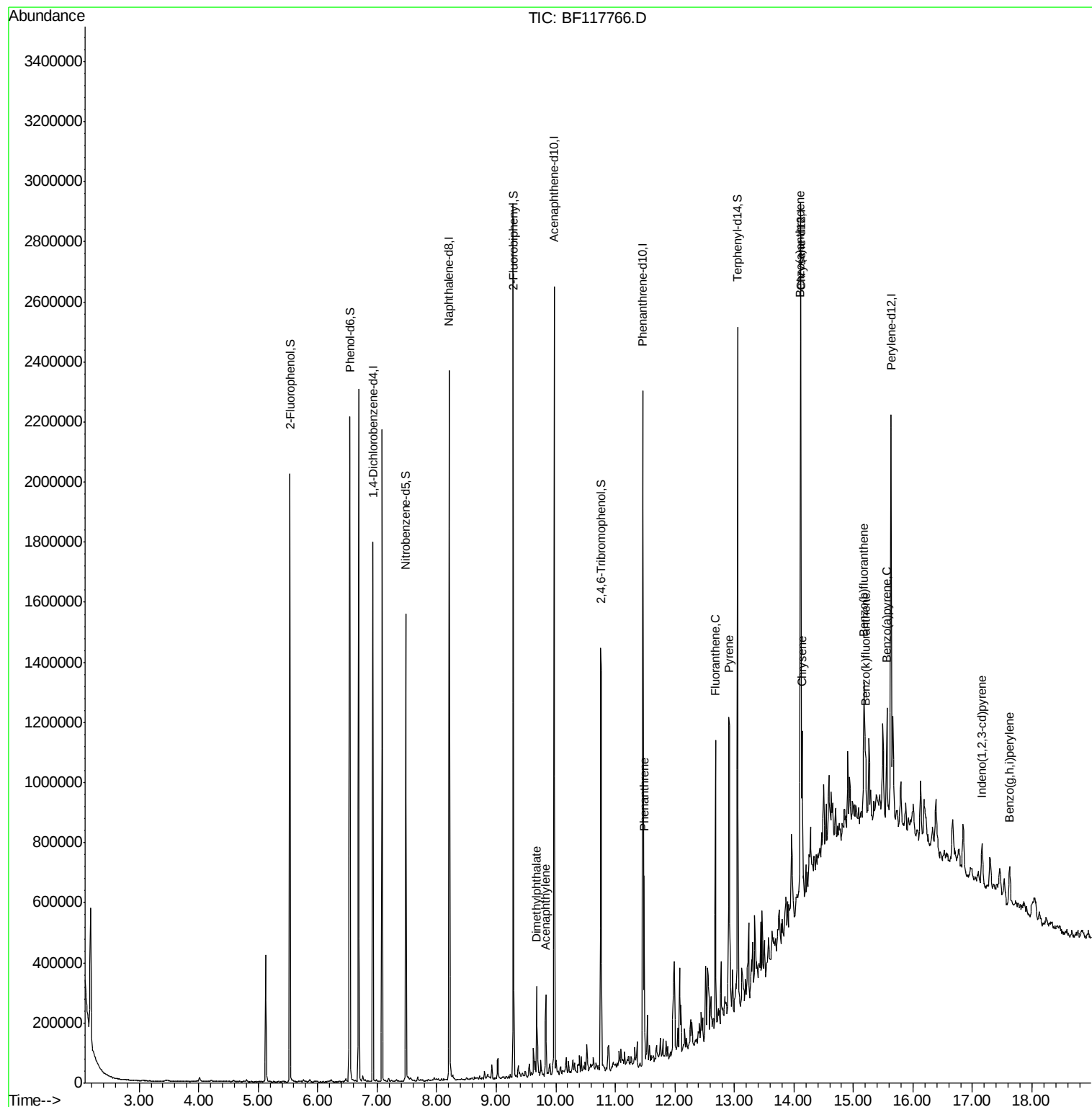
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
Data File : BF117766.D
Acq On : 12 Nov 2019 18:16
Operator : JU
Sample : K5670-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

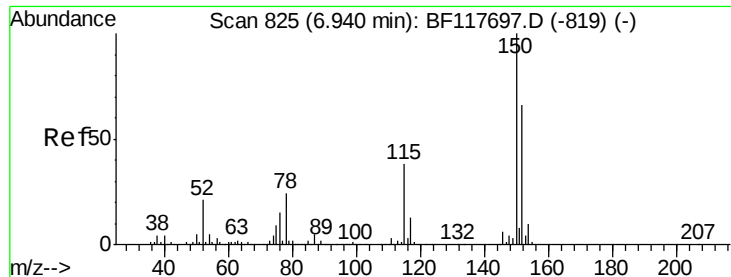
Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM

Quant Time: Nov 13 03:15:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 12 13:32:26 2019
Response via : Initial Calibration





#1

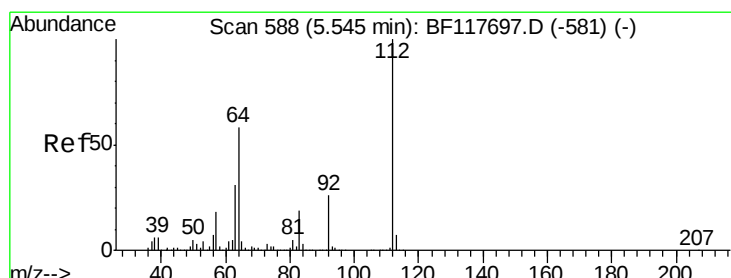
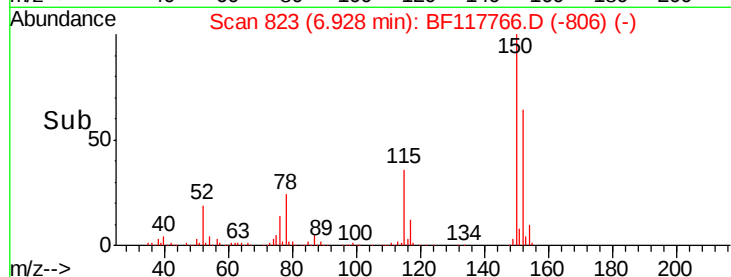
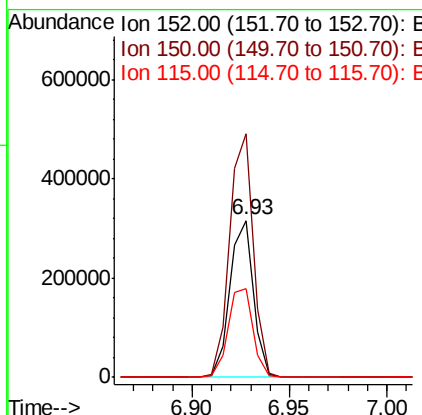
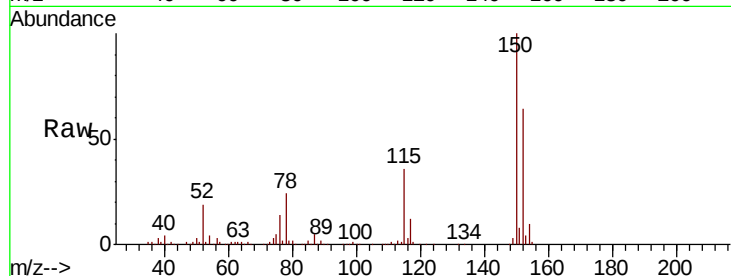
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.6	190.0
115	56.5	47.6	71.4

Manual Integrations
APPROVED

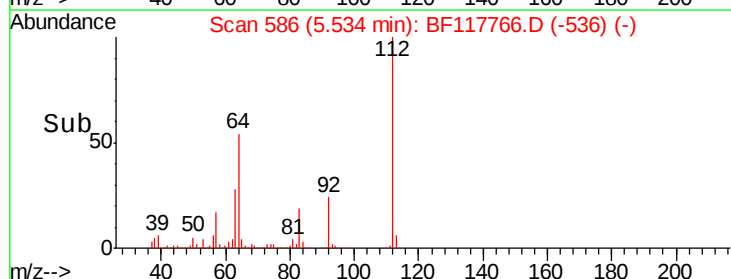
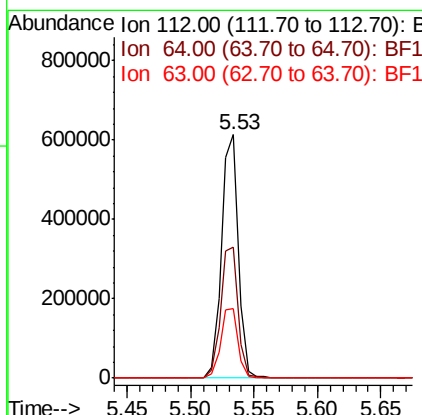
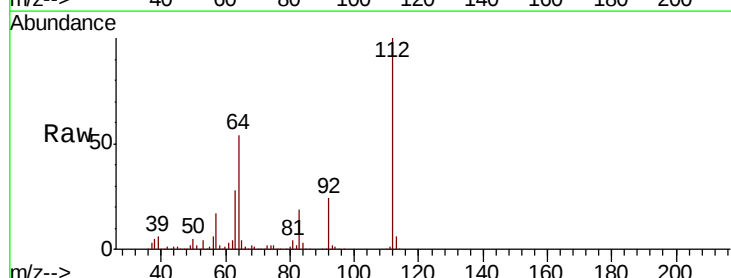
mohammad
11/13/2019 6:48:37 PM



#5

2-Fluorophenol
Concen: 39.040 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.5	65.3
63	28.4	23.5	35.3





#7

Phenol-d6

Concen: 39.418 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

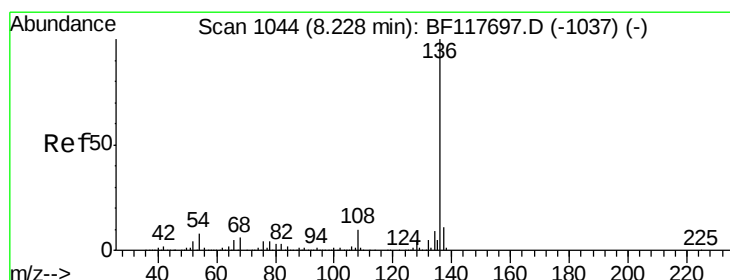
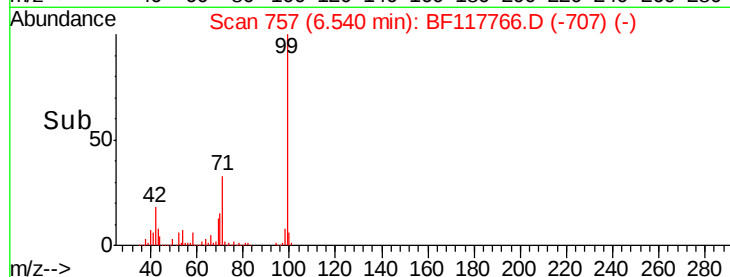
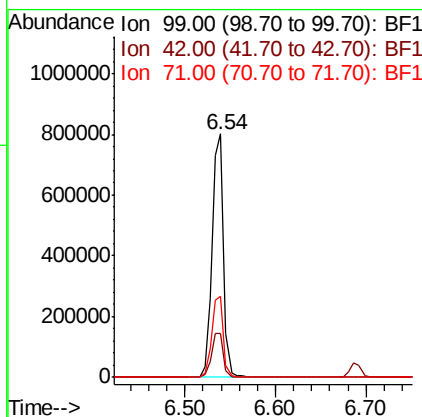
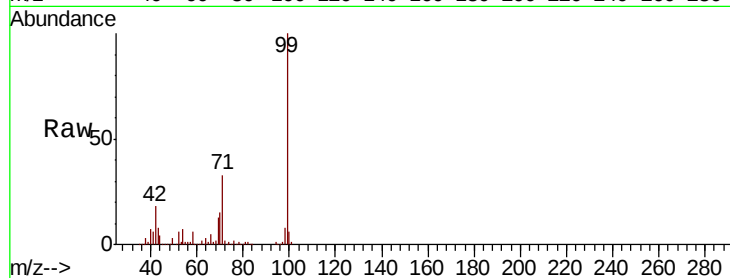
ClientSampleId :

OK-02-111119

Tot Ion:	99	Resp:	709673
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.3	22.9
71	33.1	28.2	42.2

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM



#21

Naphthalene-d8

Concen: 20.000 ng

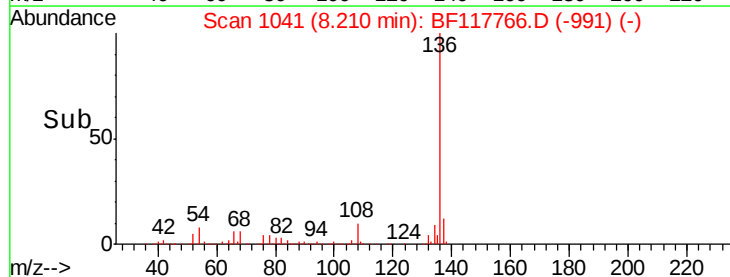
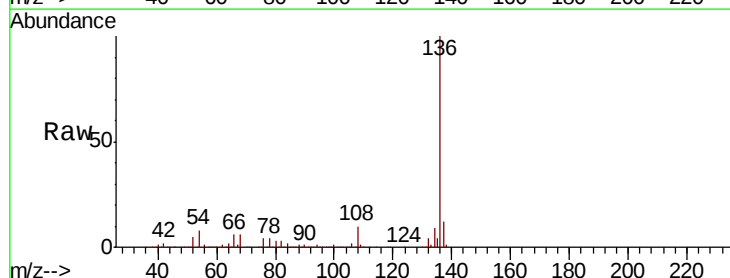
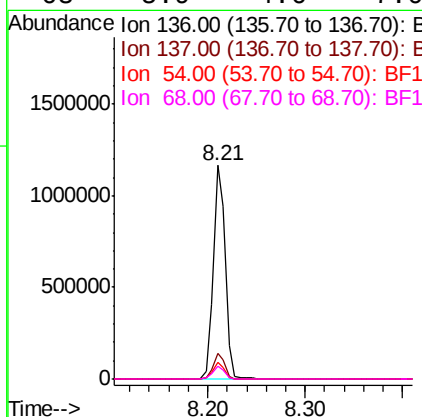
RT: 8.21 min Scan# 1041

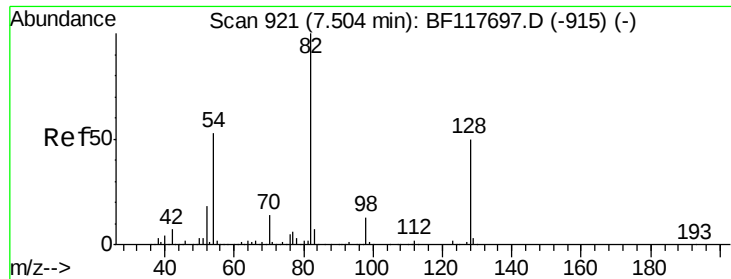
Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Tgt Ion:	136	Resp:	990006
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	7.9	6.1	9.1
68	5.9	4.6	7.0





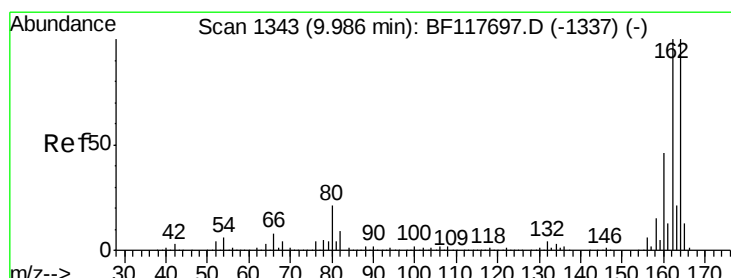
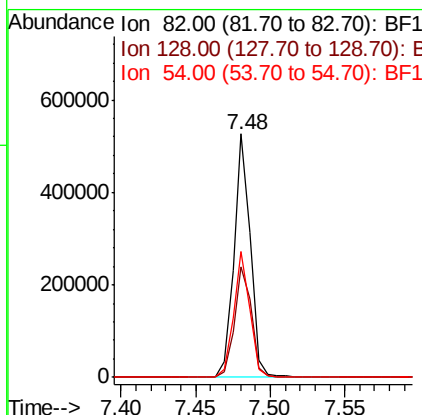
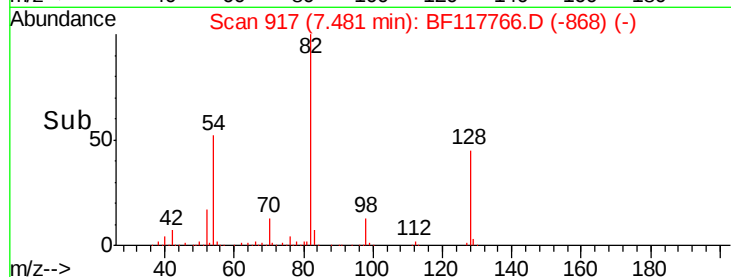
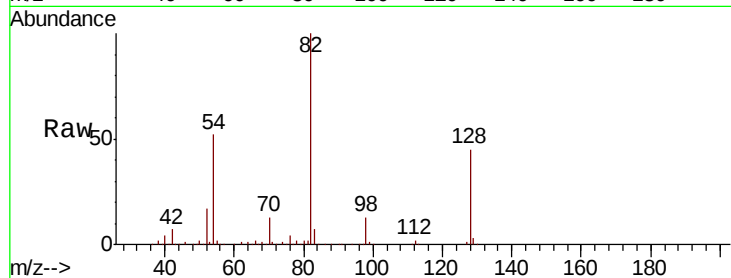
#23
Nitrobenzene-d5
Concen: 24.471 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Resp	Lower	Upper
82	100	410350		
128	45.3	38.7	58.1	
54	51.9	41.4	62.2	

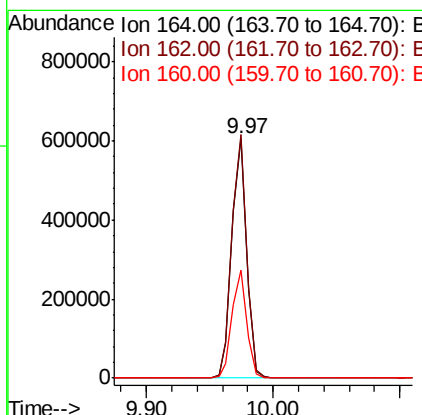
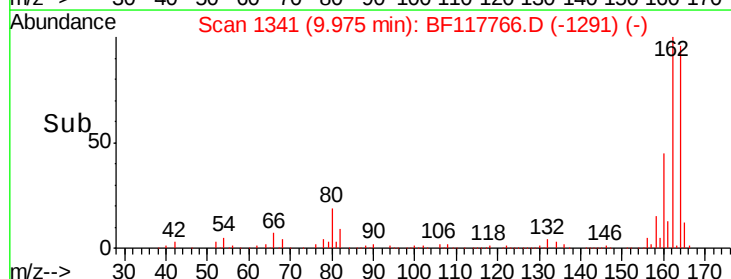
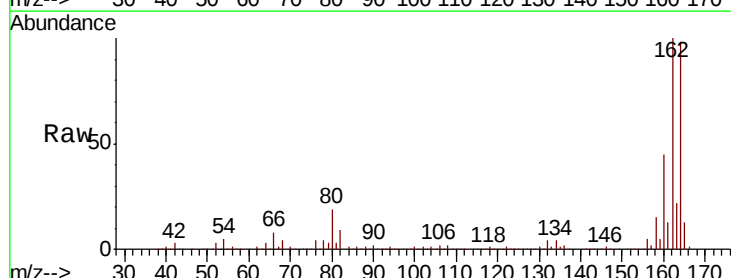
Manual Integrations
APPROVED

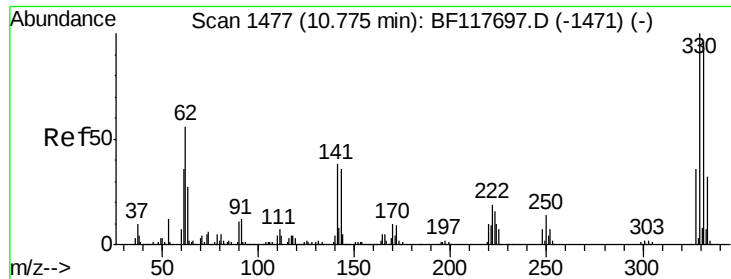
mohammad
11/13/2019 6:48:37 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	484569		
162	101.7	81.2	121.8	
160	45.3	36.3	54.5	





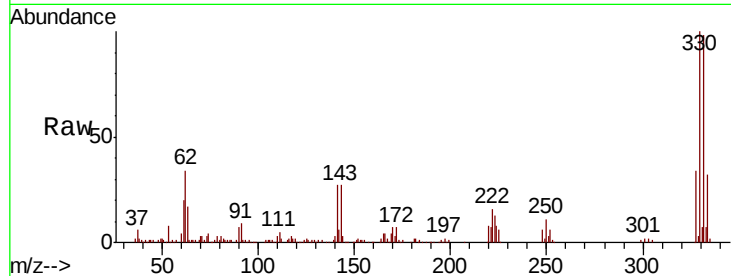
#42
 2,4,6-Tribromophenol
 Concen: 36.027 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF117766.D
 Acq: 12 Nov 2019 18:16

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-111119

Tot Ion	Ratio	Resp	Lower	Upper
330	100	170773		
332	96.5	76.9	115.3	
141	33.7	26.5	39.7	

Manual Integrations
 APPROVED

mohammad
 11/13/2019 6:48:37 PM

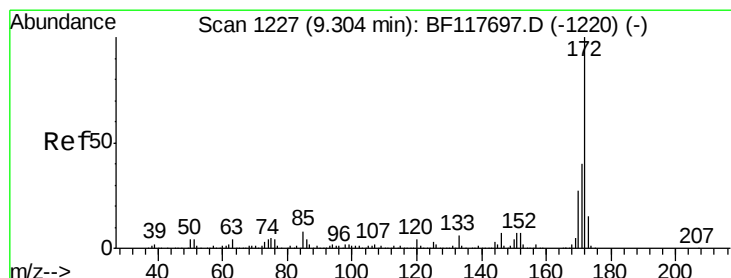
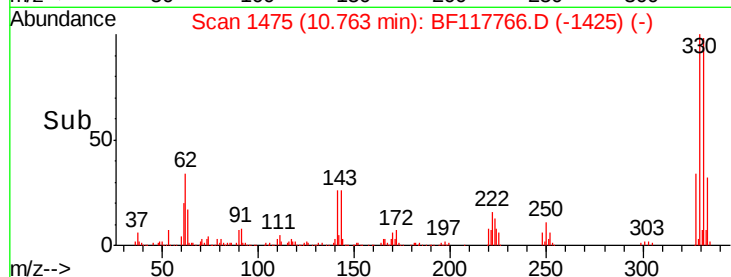
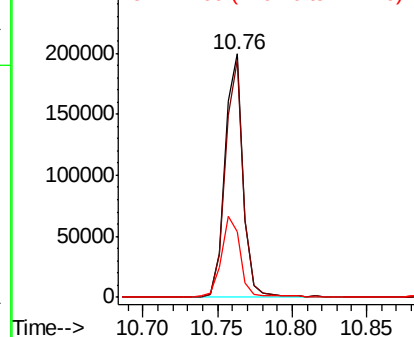


Abundance

Ion 329.80 (329.50 to 330.50): E

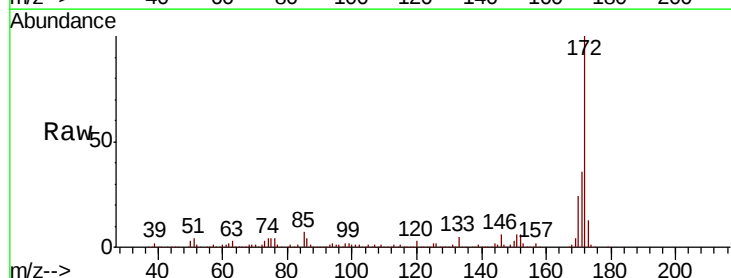
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 32.893 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117766.D
 Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	807852		
171	35.9	30.7	46.1	
170	23.7	20.6	30.8	

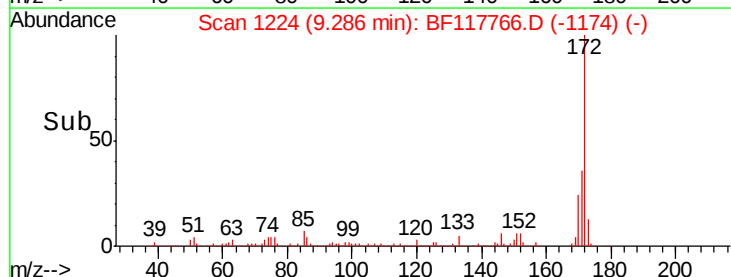
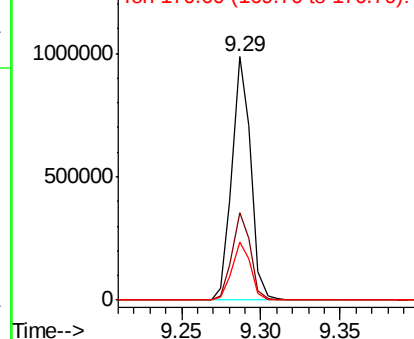


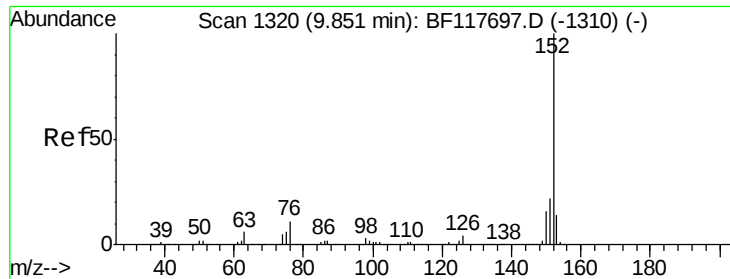
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.393 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

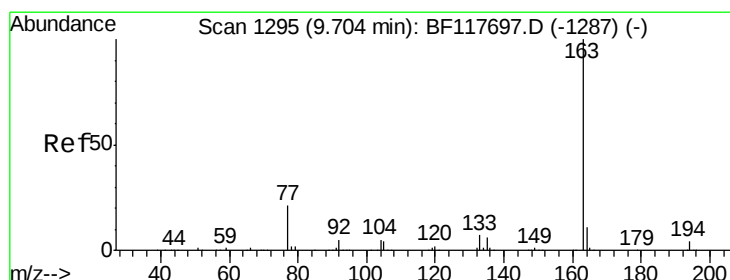
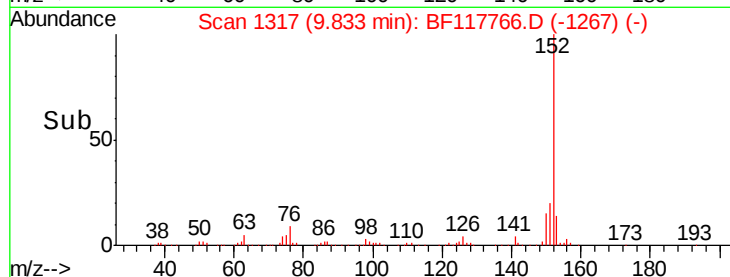
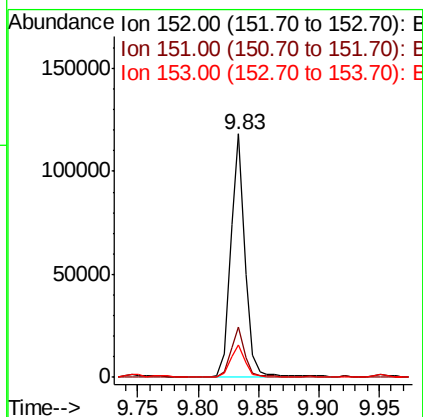
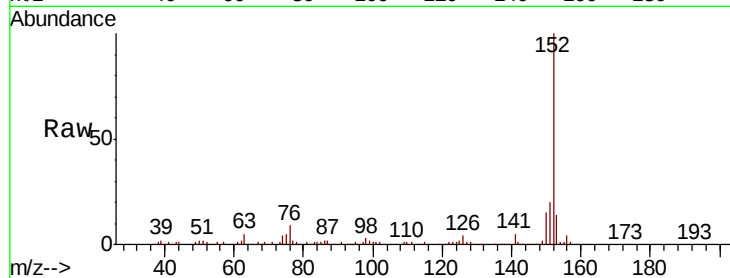
ClientSampleId :

OK-02-111119

Tot Ion:	152	Resp:	98157
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.5	26.3
153	13.6	11.7	17.5

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM



#50

Dimethylphthalate

Concen: 2.834 ng

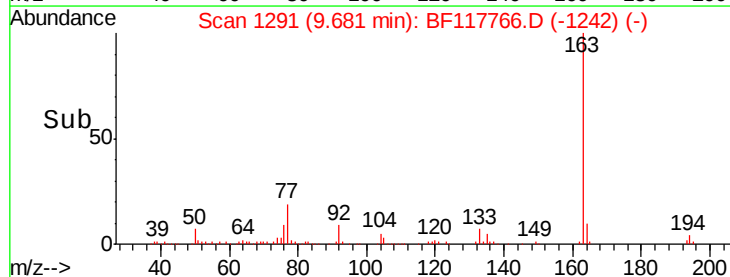
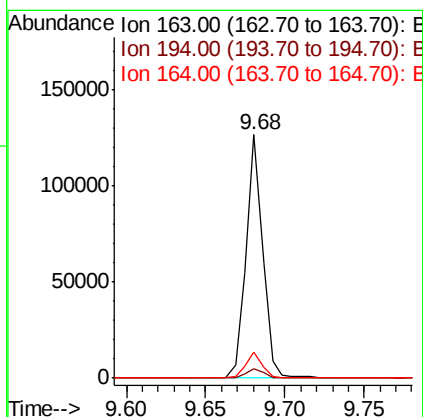
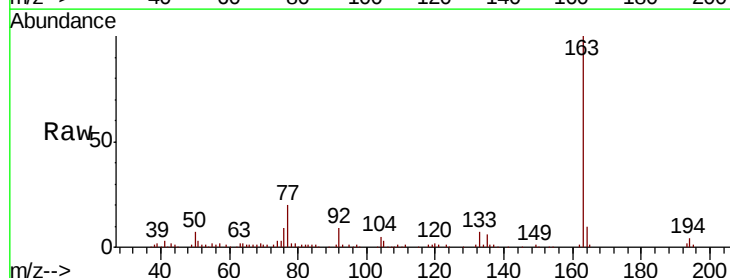
RT: 9.68 min Scan# 1291

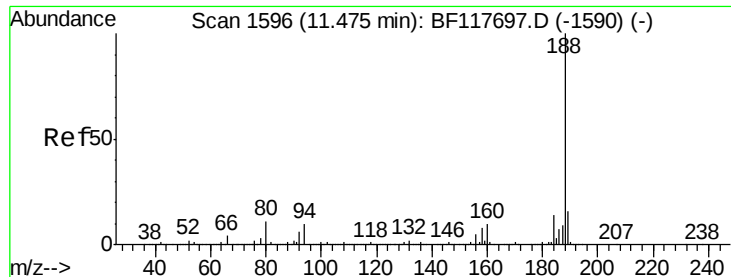
Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Tgt Ion:	163	Resp:	92841
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.2	4.8
164	10.4	8.6	13.0





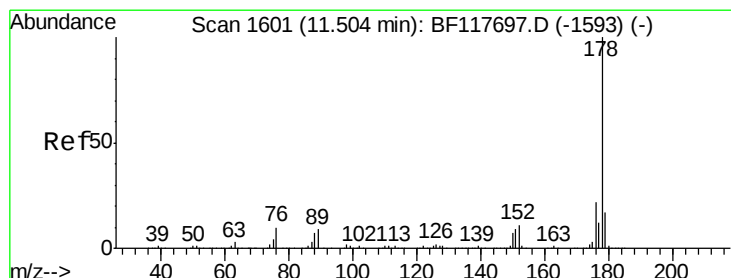
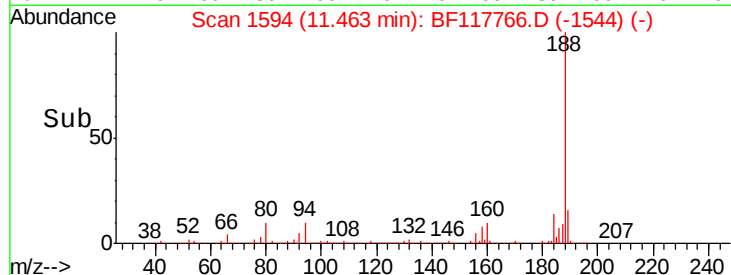
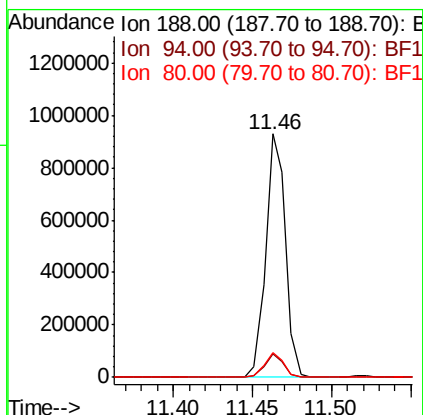
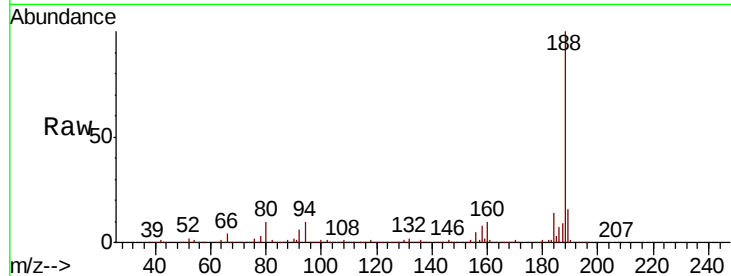
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Resp	Lower	Upper
188	100	812461		
94	9.7		7.4	11.2
80	10.1		8.1	12.1

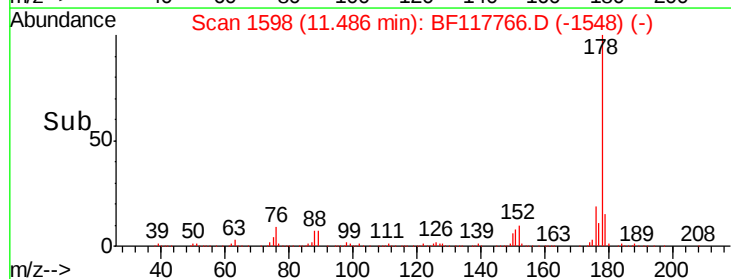
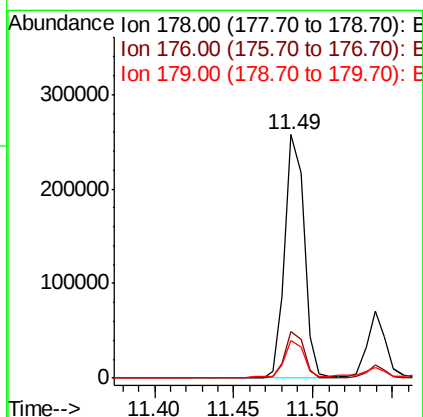
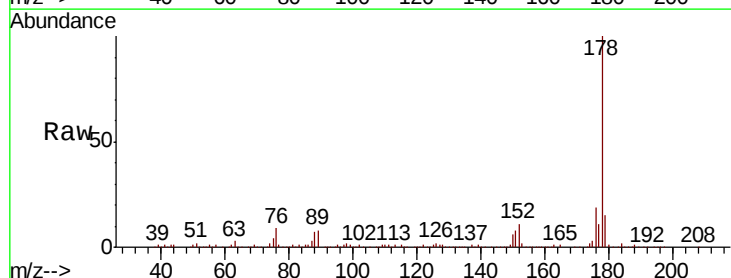
Manual Integrations
APPROVED

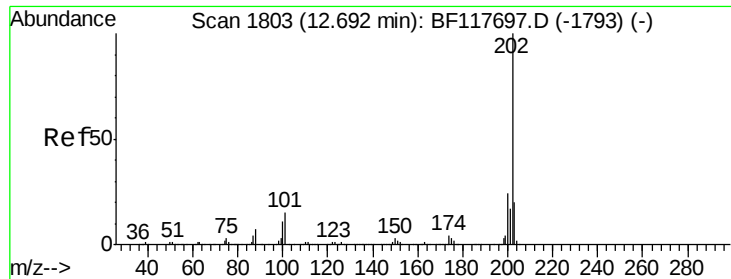
mohammad
11/13/2019 6:48:37 PM



#71
Phenanthrene
Concen: 5.597 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	217963		
176	19.4		16.8	25.2
179	15.5		13.5	20.3





#75

Fluoranthene

Concen: 8.714 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

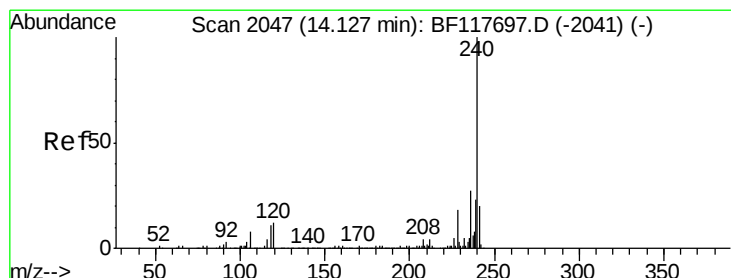
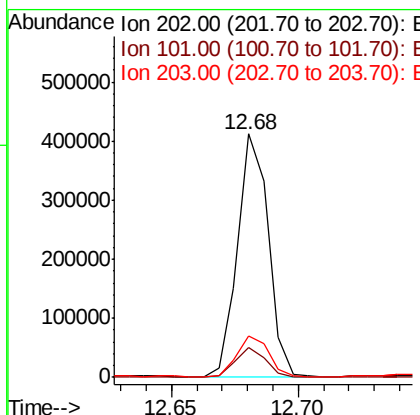
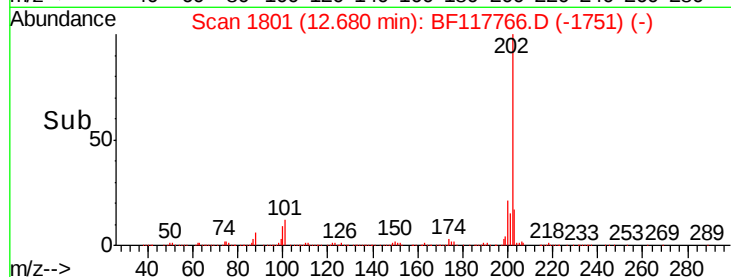
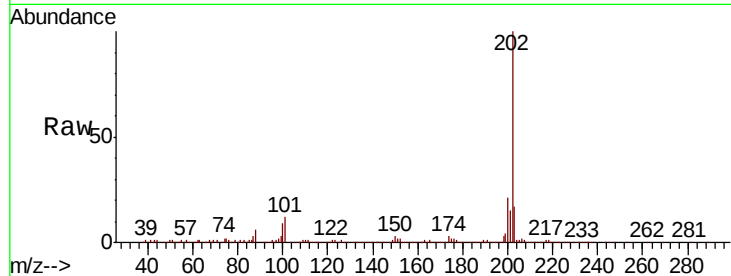
ClientSampleId :

OK-02-111119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		346487		
101	12.5	0.0	32.5		
203	16.9	0.0	38.9		

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM



#76

Chrysene-d12

Concen: 20.000 ng

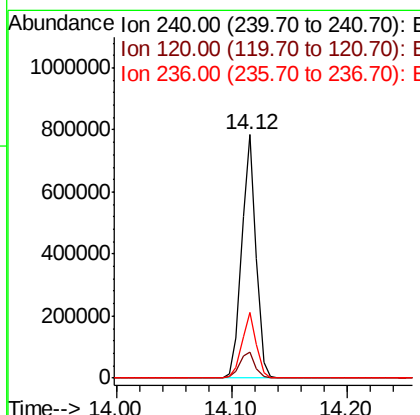
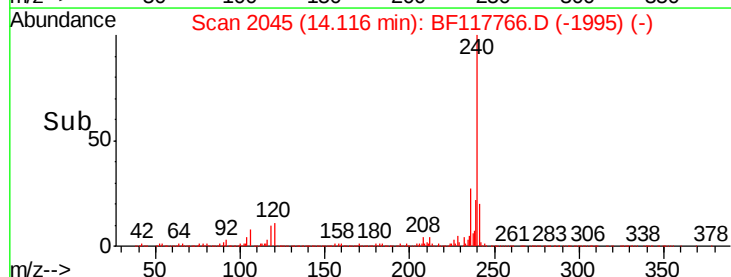
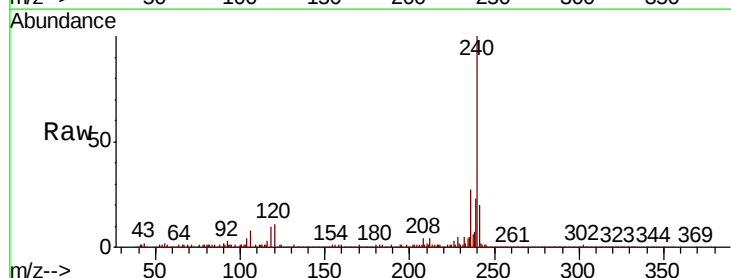
RT: 14.12 min Scan# 2045

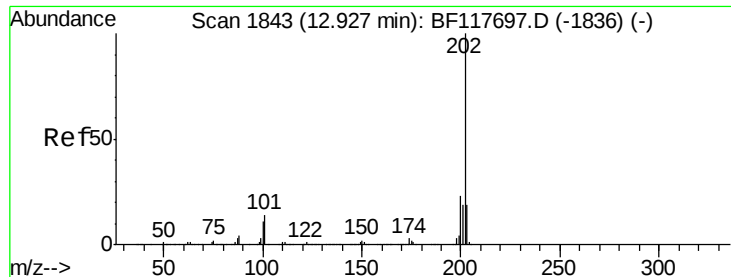
Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		667493		
120	10.9	9.3	13.9		
236	26.7	21.4	32.0		





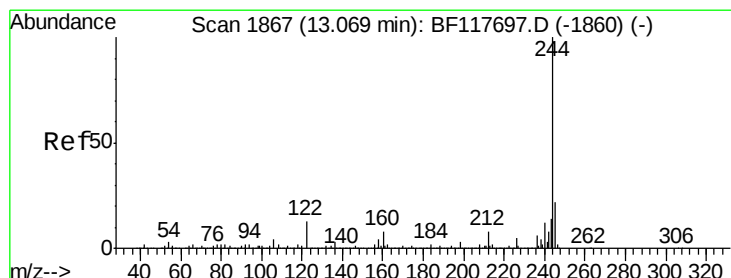
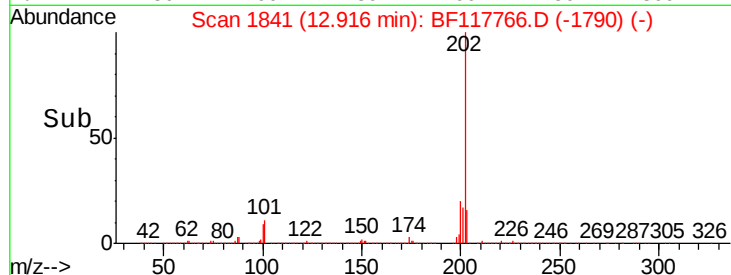
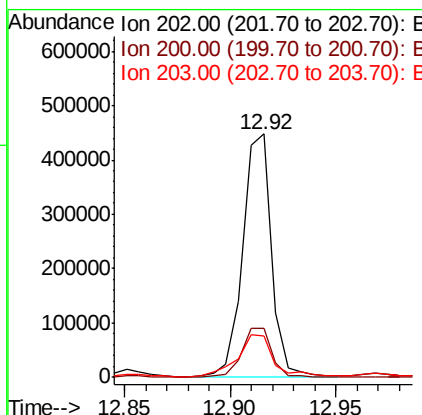
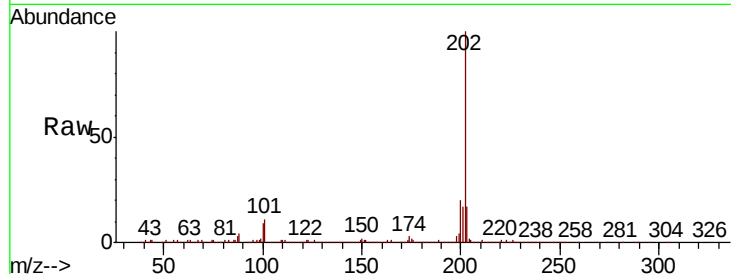
#78
Pvrene
Concen: 8.578 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		417954		
200	20.3	18.9	28.3		
203	17.1	15.3	22.9		

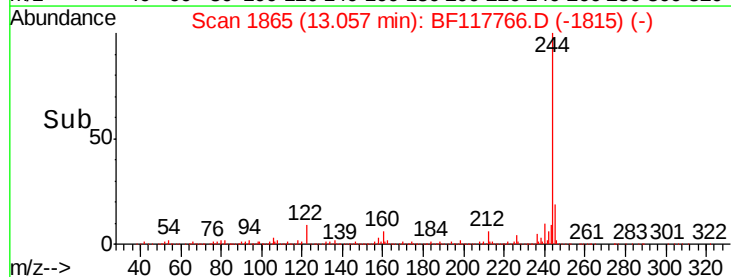
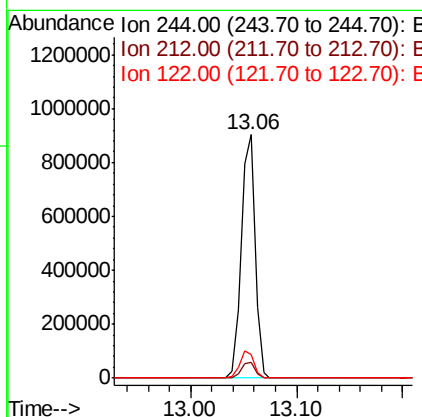
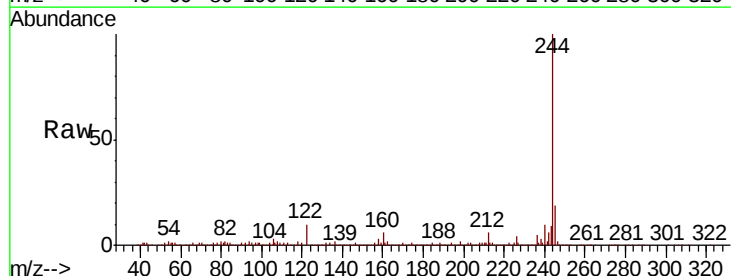
Manual Integrations
APPROVED

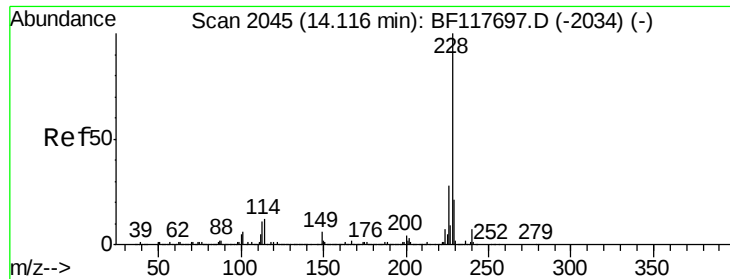
mohammad
11/13/2019 6:48:37 PM



#79
Terphenyl-d14
Concen: 24.792 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		803890		
212	6.3	6.2	9.4		
122	9.5	9.1	13.7		





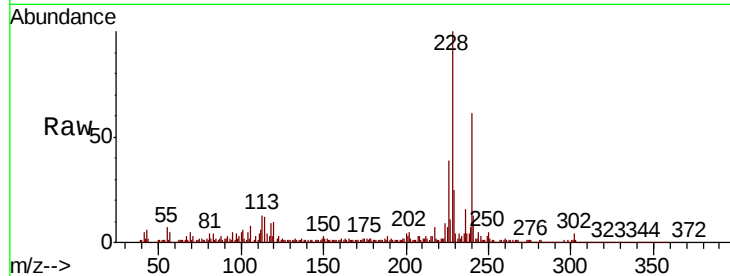
#81
Benzo(a)anthracene
Concen: 5.172 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.9	22.6	33.8#
229	24.5	17.0	25.4

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM

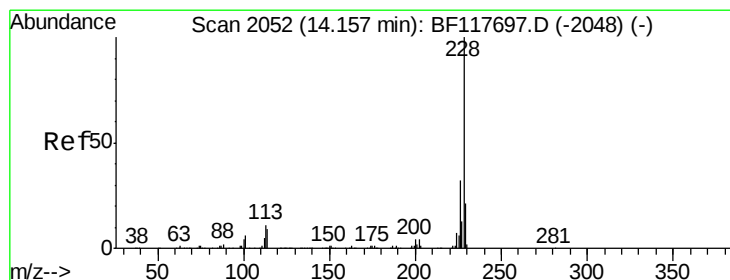
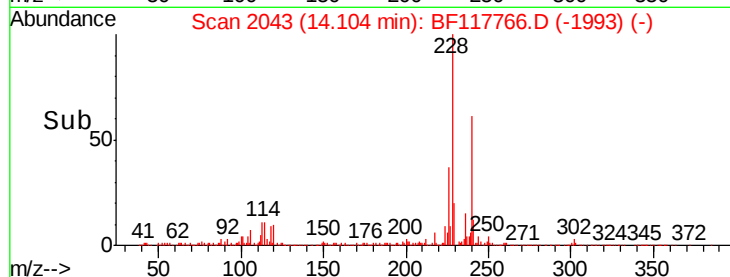
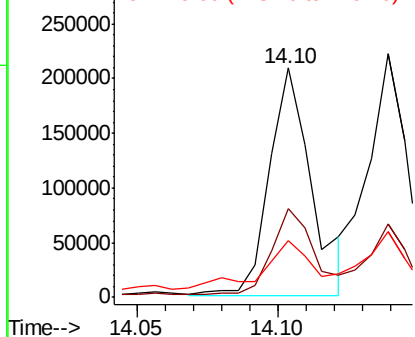


Abundance

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



#83
Chrysene
Concen: 5.232 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

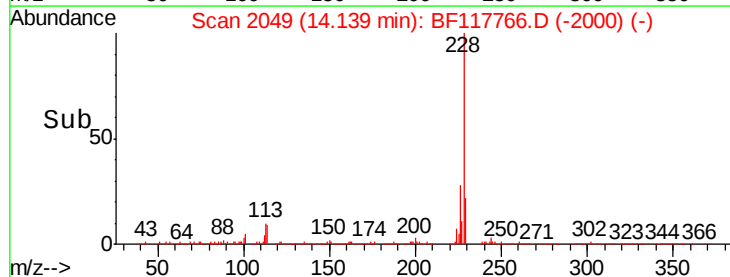
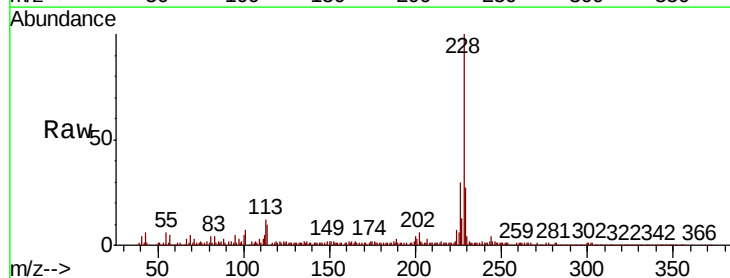
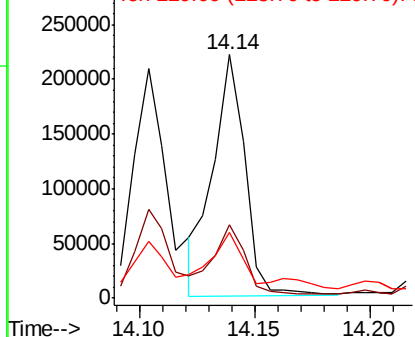
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.1	37.7
229	26.8	16.6	25.0#

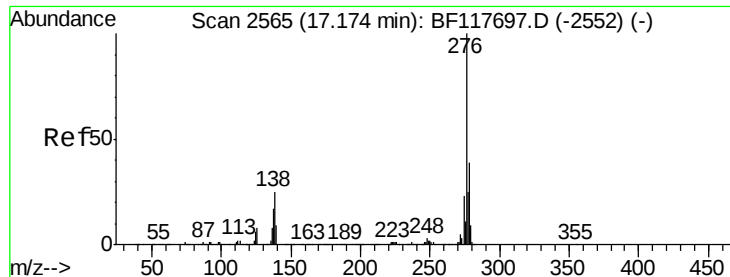
Abundance

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: 2.463 ng

RT: 17.16 min Scan# 2562

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

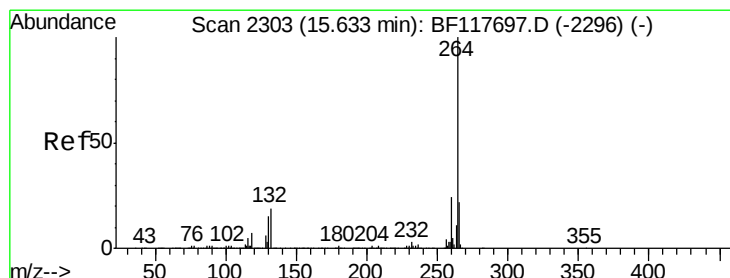
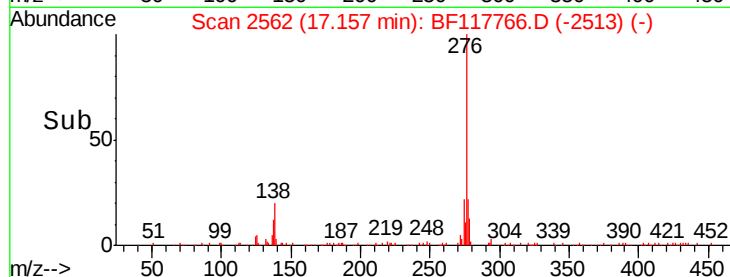
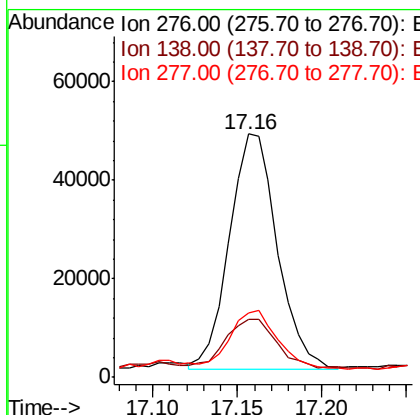
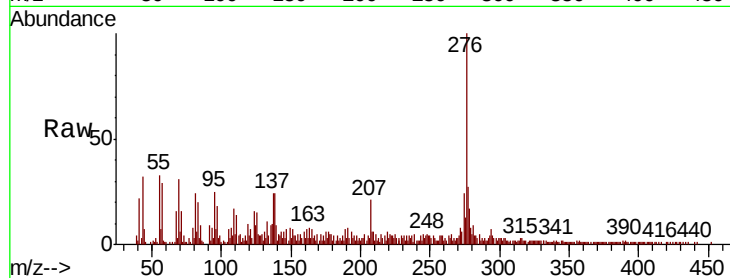
ClientSampleId :

OK-02-111119

Tot Ion:	276	Resp:	94074
Ion Ratio	Lower	Upper	
276	100		
138	22.8	21.2	31.8
277	24.1	20.1	30.1

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM



#87

Perylene-d12

Concen: 20.000 ng

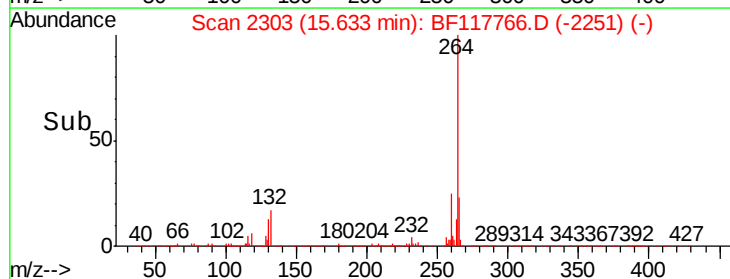
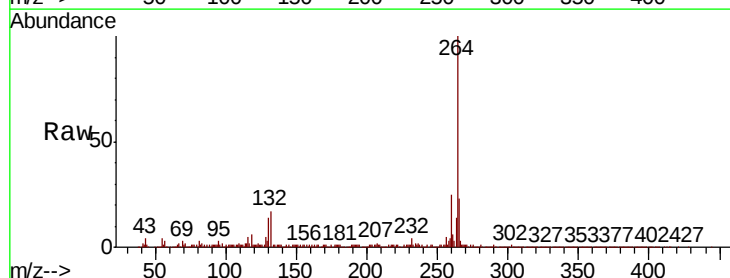
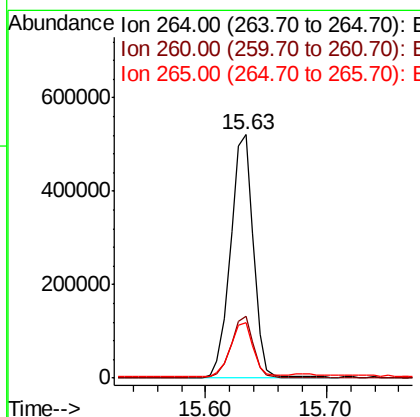
RT: 15.63 min Scan# 2303

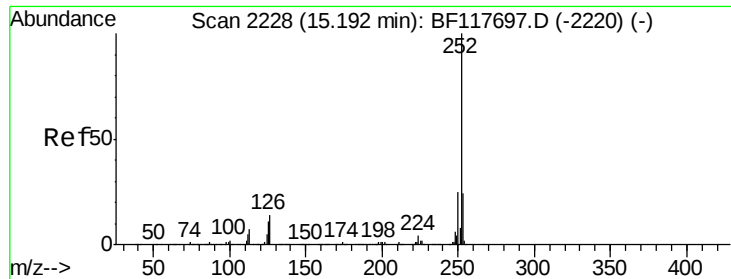
Delta R.T. 0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Tgt Ion:	264	Resp:	681477
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.0	28.6
265	22.9	17.2	25.8





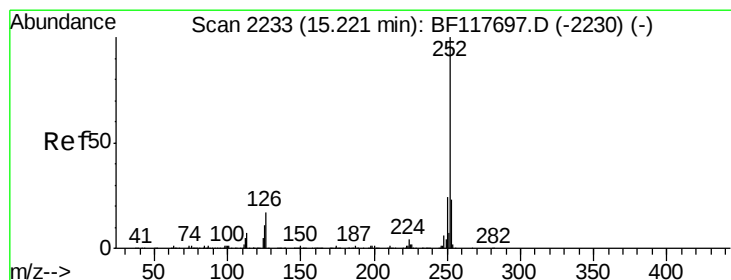
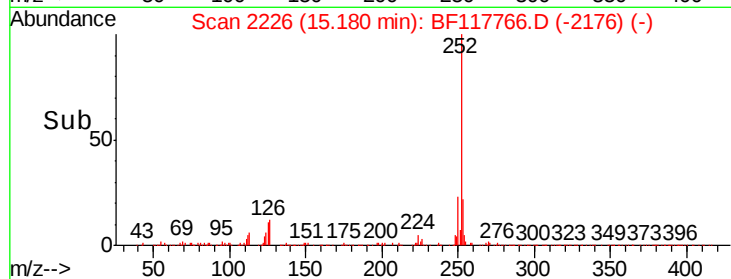
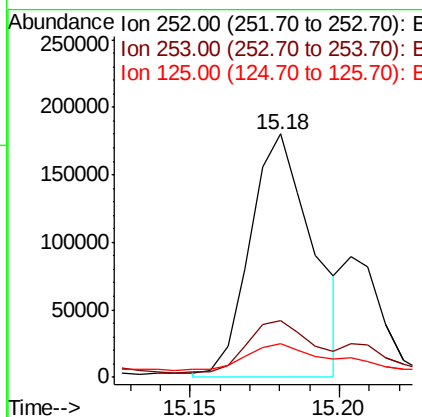
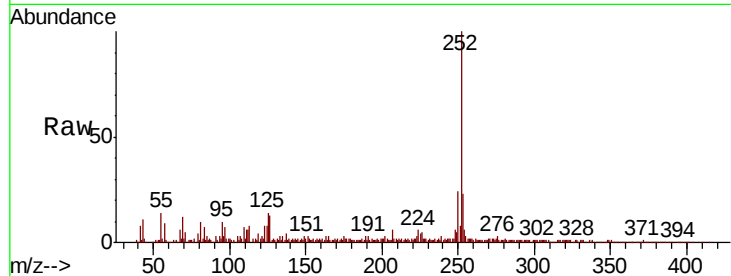
#88
Benzo(b)fluoranthene
Concen: 6.134 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	14.0	8.4	12.6

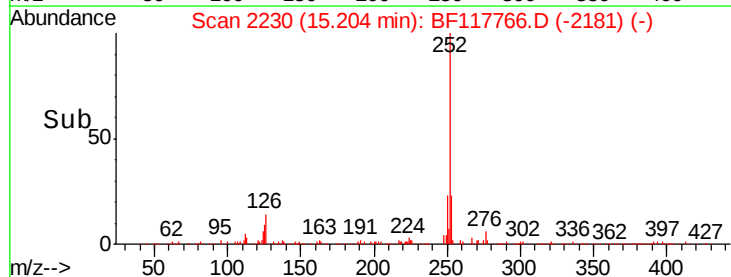
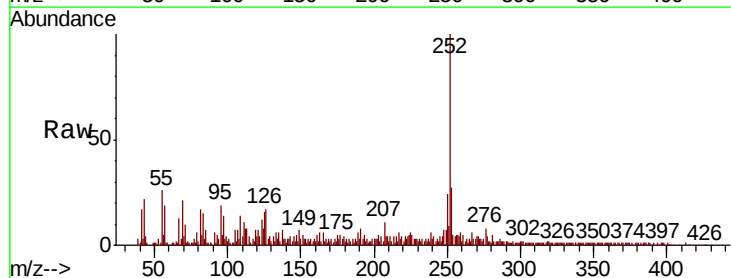
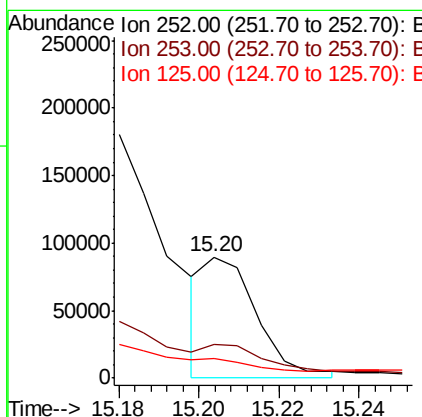
Manual Integrations
APPROVED

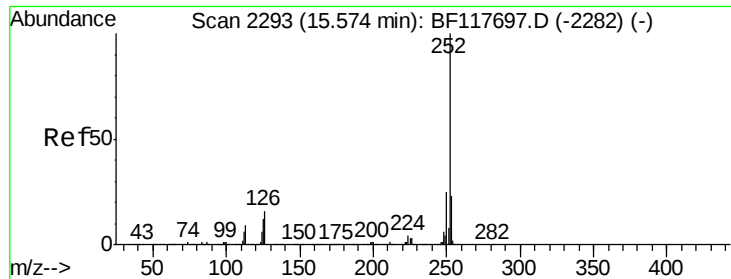
mohammad
11/13/2019 6:48:37 PM



#89
Benzo(k)fluoranthene
Concen: 2.144 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.6	28.0
125	15.9	8.9	13.3





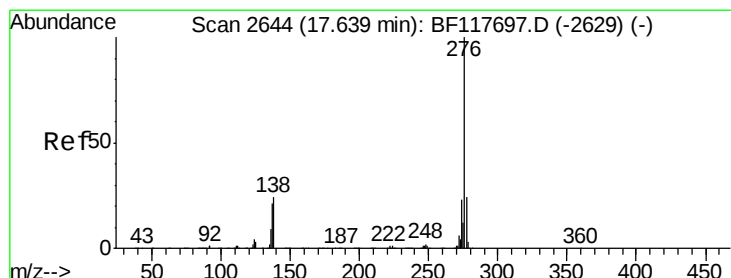
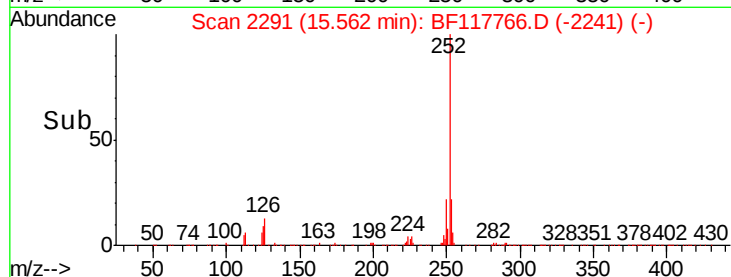
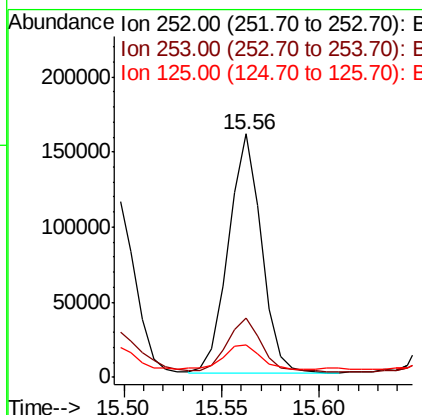
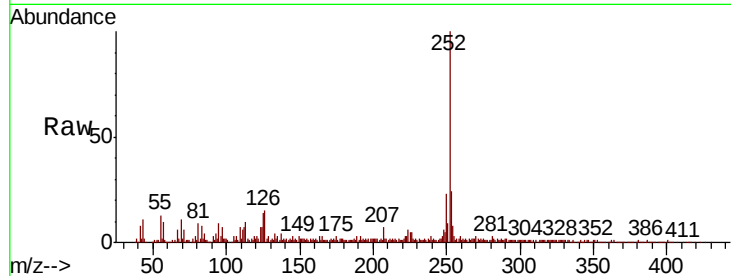
#90
Benzo(a)pyrene
Concen: 4.973 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	13.5	9.6	14.4

Manual Integrations
APPROVED

mohammad
11/13/2019 6:48:37 PM



#92
Benzo(g,h,i)perylene
Concen: 3.211 ng
RT: 17.62 min Scan# 2641
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	24.7	18.6	27.8

