

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111160.D
 Acq On : 7 Dec 2018 1:22
 Operator : JU/SJ
 Sample : J6194-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120418-A

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:15 PM

Quant Time: Dec 07 02:54:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	544181	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2151734	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	943775	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1261901	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1013483	20.00	ng	0.00
87) Perylene-d12	15.39	264	773020	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1718726	49.29	ng	0.00
7) Phenol-d6	6.43	99	2158662	48.05	ng	0.00
23) Nitrobenzene-d5	7.36	82	1325201	36.46	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	323382	43.11	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2087292	31.97	ng	0.00
79) Terphenyl-d14	12.91	244	1220731	24.67	ng	0.00
Target Compounds						
10) Phenol	6.44	94	138754	2.833	ng	98
50) Dimethylphthalate	9.56	163	163150	2.484	ng	# 94
71) Phenanthrene	11.34	178	638371	10.517	ng	95
72) Anthracene	11.40	178	143186	2.340	ng	97
75) Fluoranthene	12.53	202	966203	16.267	ng	96
78) Pyrene	12.76	202	952985	12.070	ng	95
81) Benzo(a)anthracene	13.94	228	397439	6.693	ng	96
83) Chrysene	13.98	228	388611	6.592	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	127641	2.697	ng	# 93
88) Benzo(b)fluoranthene	14.98	252	404402m	9.232	ng	
89) Benzo(k)fluoranthene	15.00	252	117986m	2.786	ng	
90) Benzo(a)pyrene	15.33	252	264359	6.580	ng	97
92) Benzo(a,h,i)perylene	17.23	276	121312	3.580	ng	# 93

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

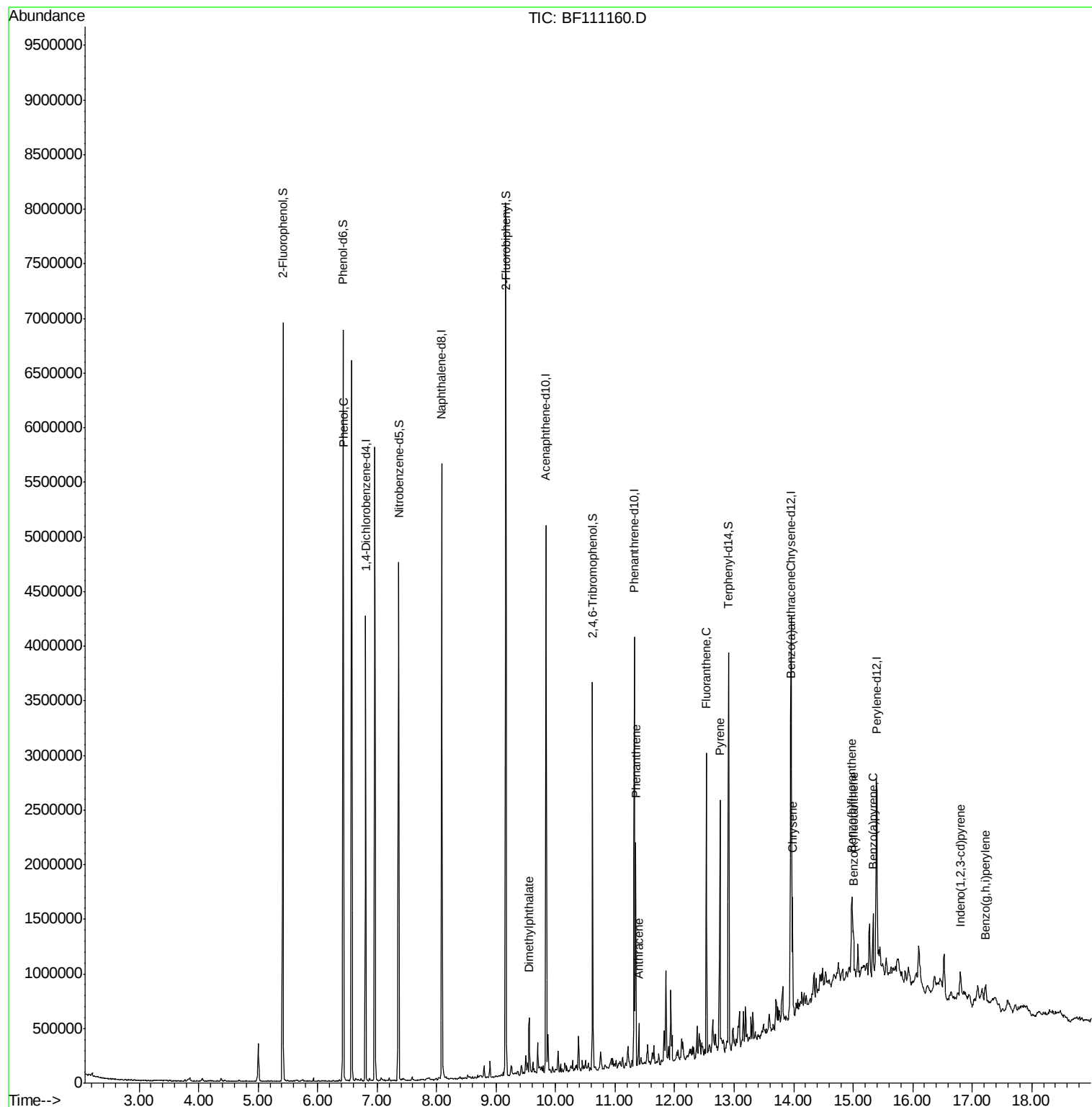
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
Data File : BF111160.D
Acq On : 7 Dec 2018 1:22
Operator : JU/SJ
Sample : J6194-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

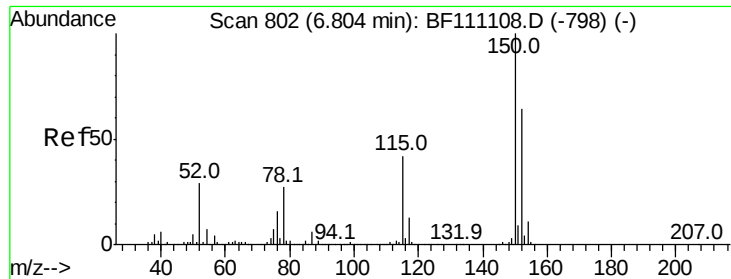
Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Manual Integrations
APPROVED

mohammad
12/10/2018 12:19:15 PM

Quant Time: Dec 07 02:54:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
Response via : Initial Calibration





#1

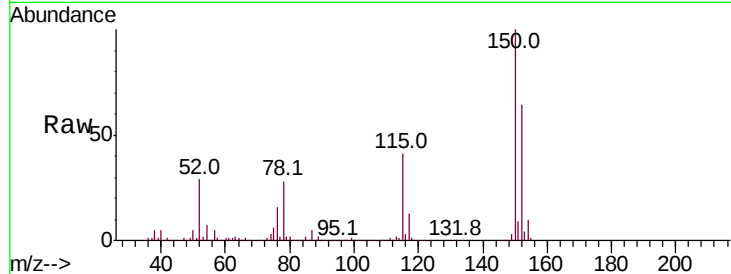
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	187.0
115	64.8	52.2	78.2

Manual Integrations
APPROVED

mohammad
12/10/2018 12:19:15 PM

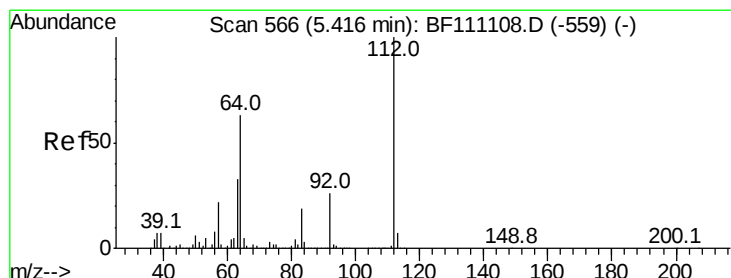
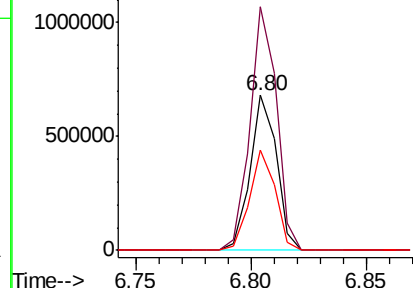
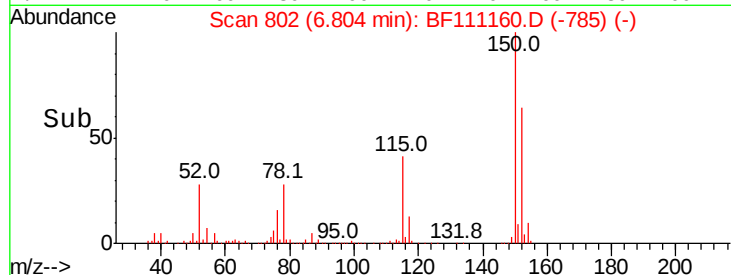


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

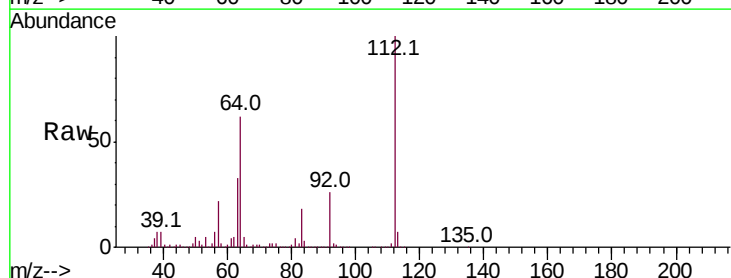
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.285 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	50.2	75.4
63	33.4	26.6	39.8

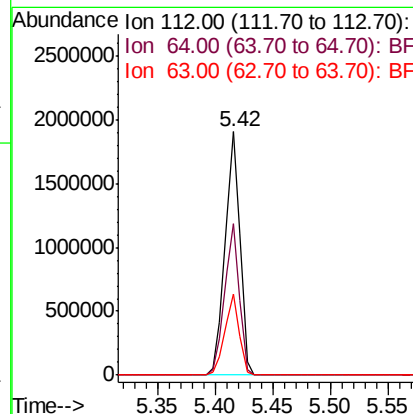
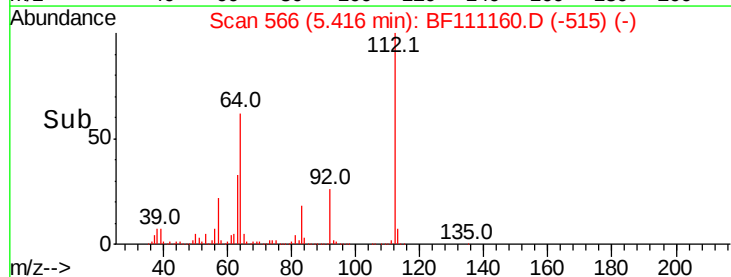


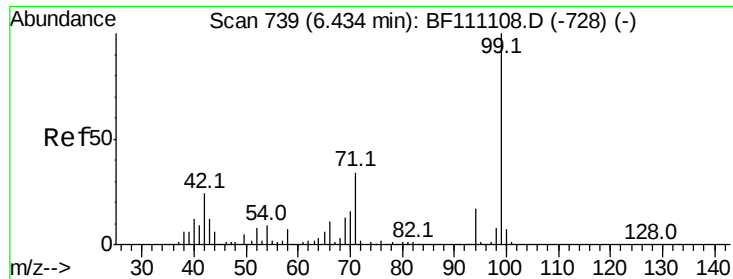
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 48.053 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

OK-02-120418-A

Tot Ion: 99 Resp: 2158662

Ion Ratio Lower Upper

99 100

42 22.6 19.3 28.9

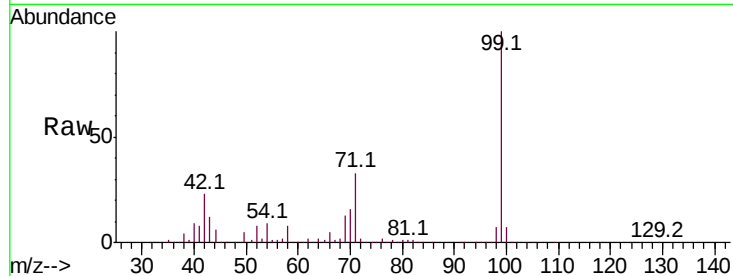
71 33.2 27.4 41.2

Manual Integrations

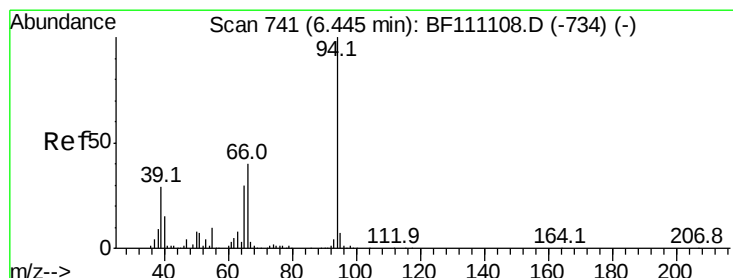
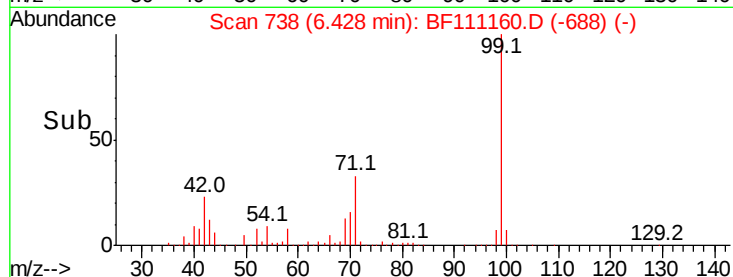
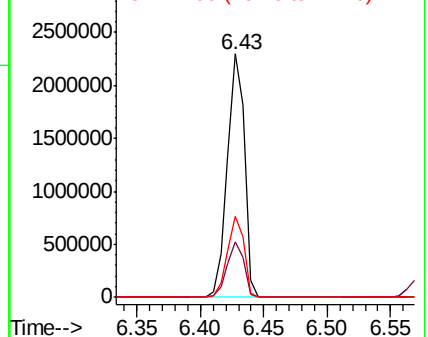
APPROVED

mohammad

12/10/2018 12:19:15 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.833 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

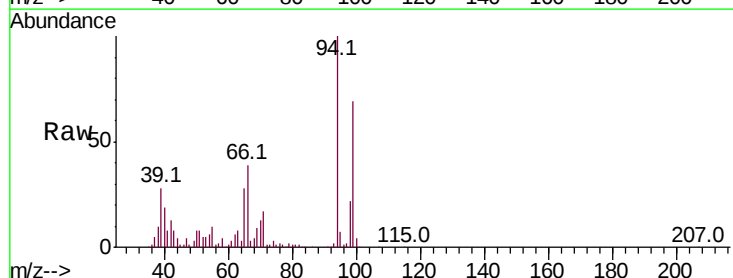
Tgt Ion: 94 Resp: 138754

Ion Ratio Lower Upper

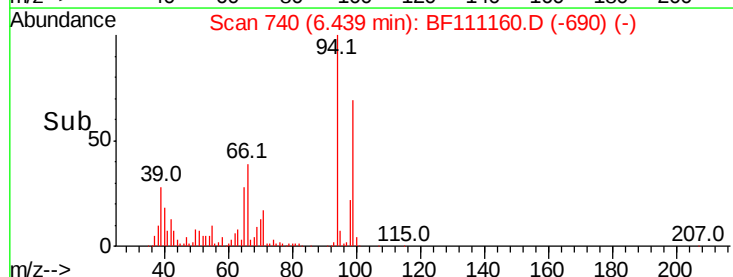
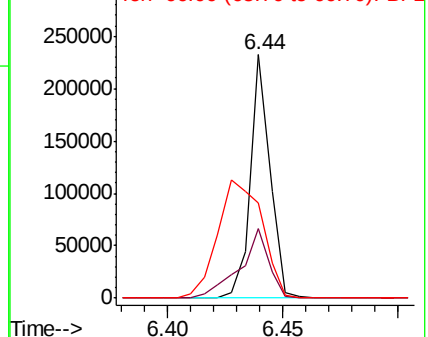
94 100

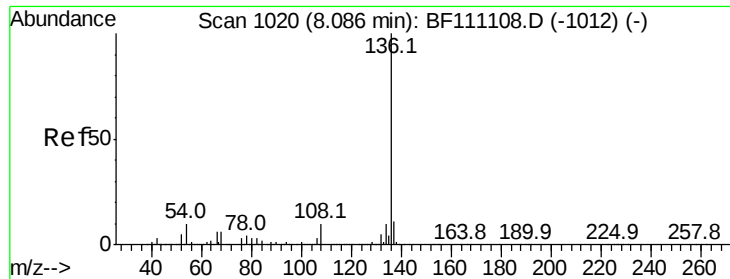
65 28.3 10.5 50.5

66 39.0 19.8 59.8



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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

Instrument :

BNA_F

ClientSampleId :

OK-02-120418-A

Tot Ion:136 Resp: 2151734

Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 10.3 8.4 12.6

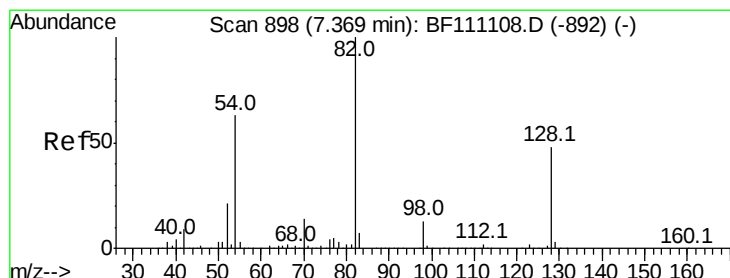
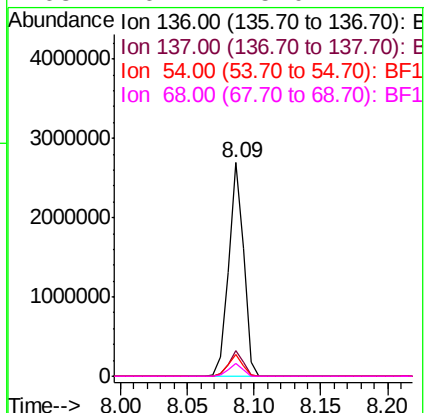
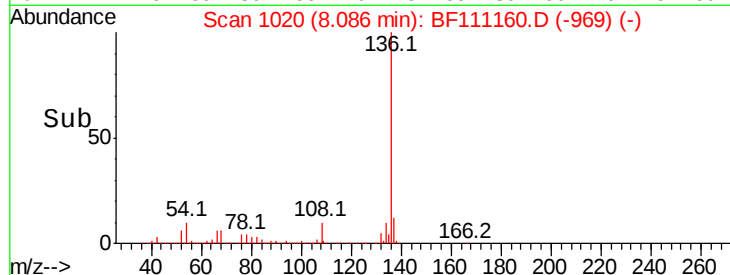
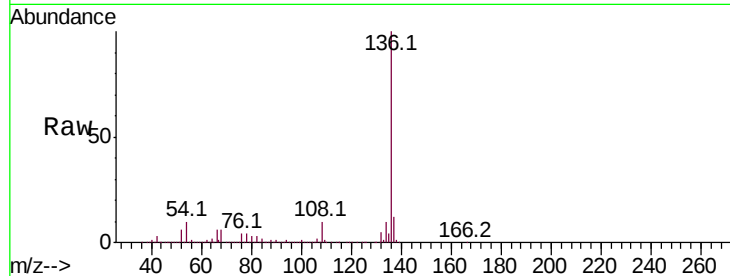
68 6.1 5.0 7.4

Manual Integrations

APPROVED

mohammad

12/10/2018 12:19:15 PM



#23

Nitrobenzene-d5

Concen: 36.462 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF111160.D

Acq: 7 Dec 2018 1:22

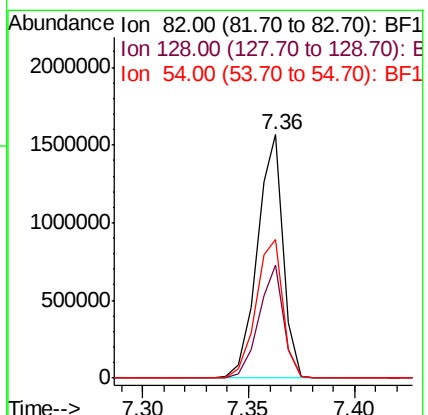
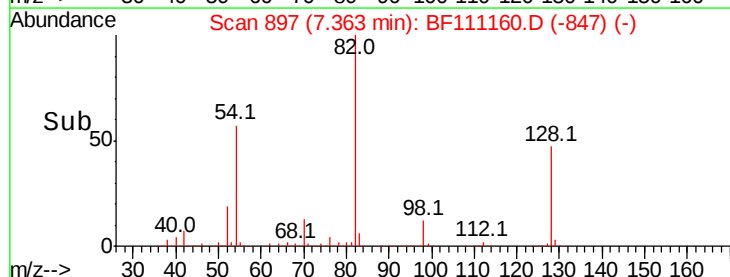
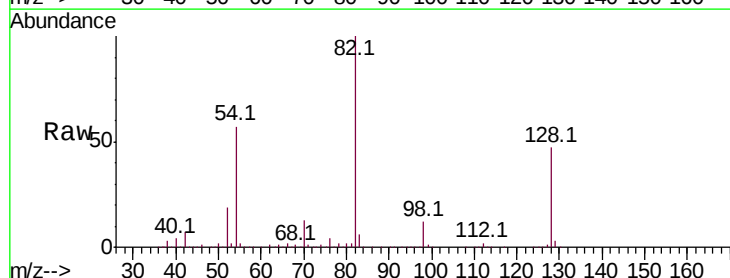
Tgt Ion: 82 Resp: 1325201

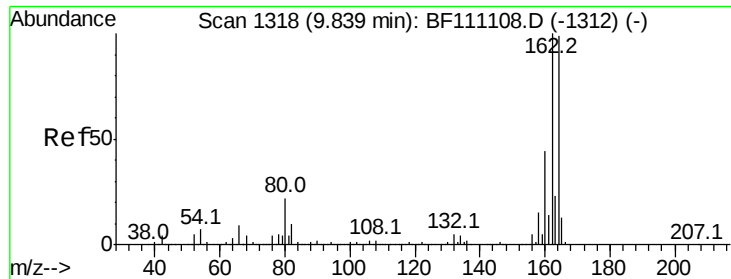
Ion Ratio Lower Upper

82 100

128 46.7 38.1 57.1

54 56.8 50.3 75.5





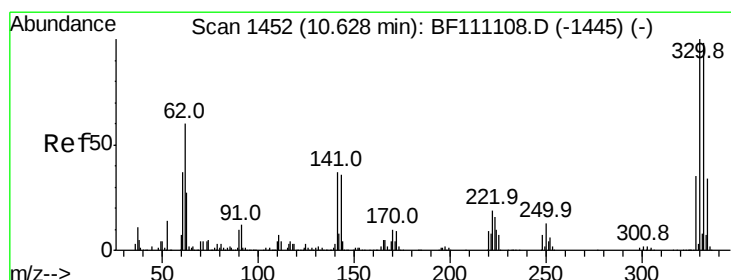
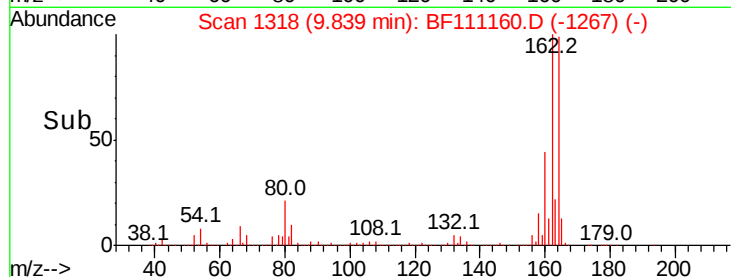
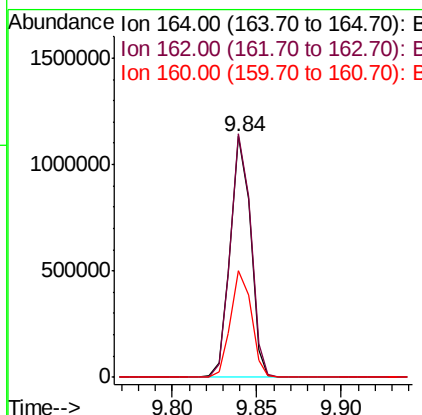
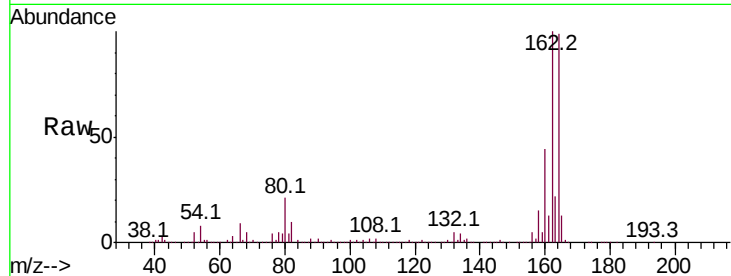
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	80.6	120.8	
160	44.3	35.5	53.3	

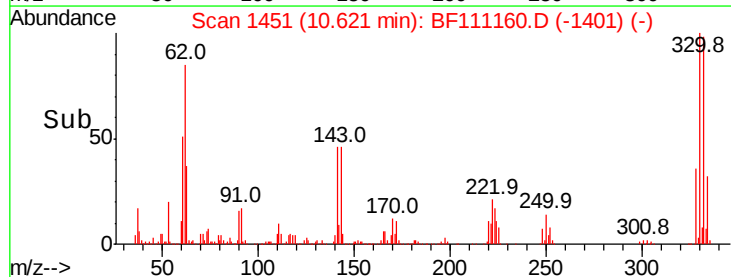
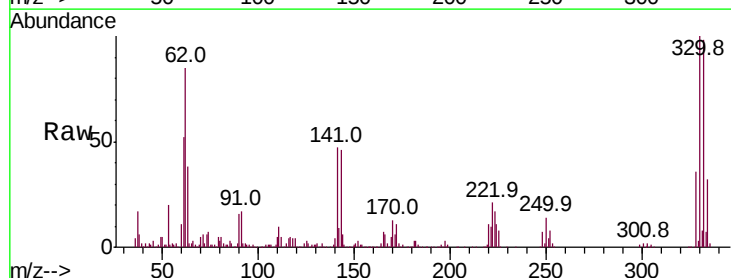
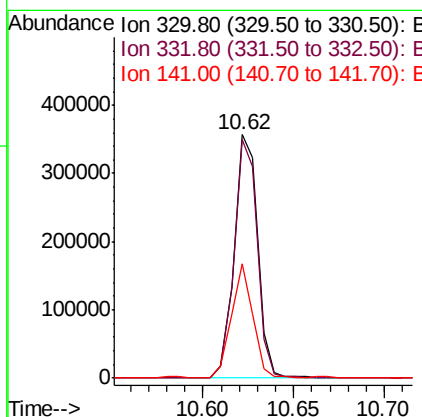
Manual Integrations
APPROVED

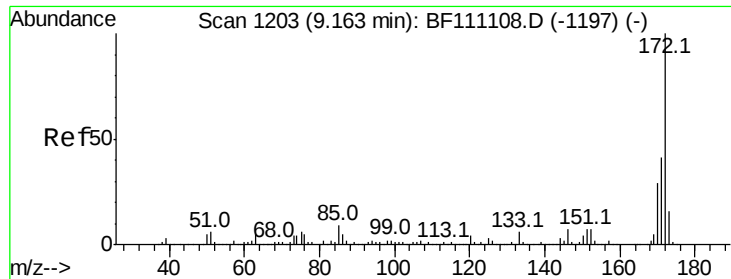
mohammad
12/10/2018 12:19:15 PM



#42
2,4,6-Tribromophenol
Concen: 43.106 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.2	115.8	
141	42.4	36.1	54.1	





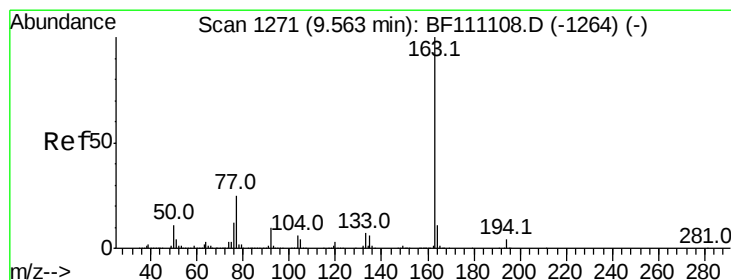
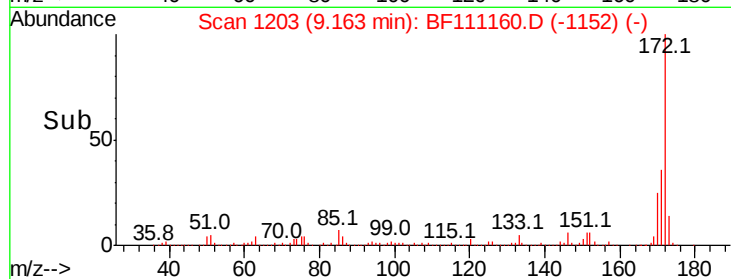
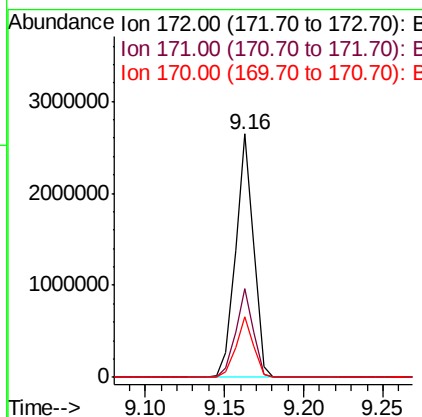
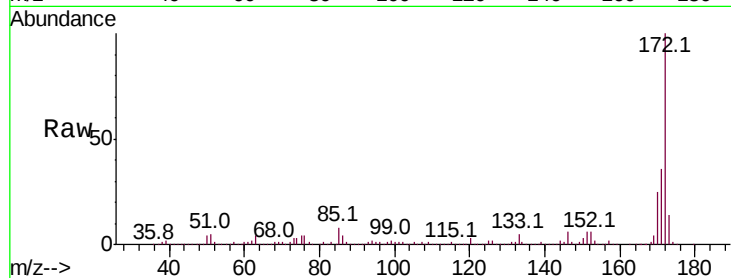
#45
2-Fluorobiphenyl
Concen: 31.971 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	33.2	49.8
170	24.7	22.9	34.3

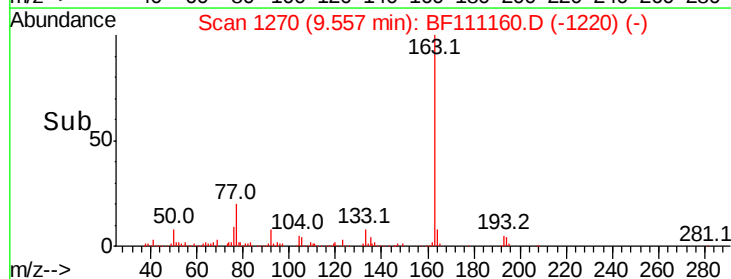
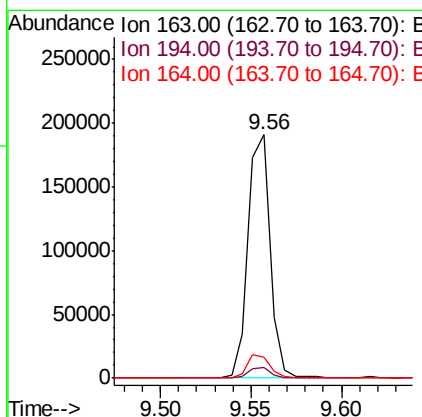
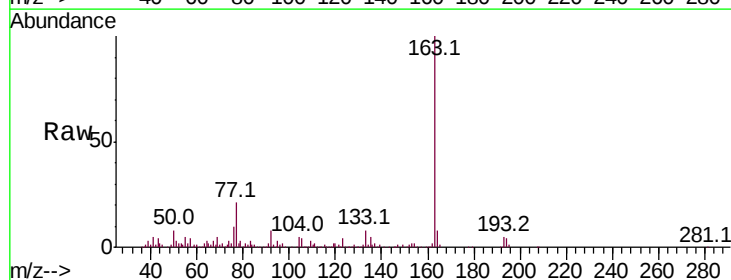
Manual Integrations
APPROVED

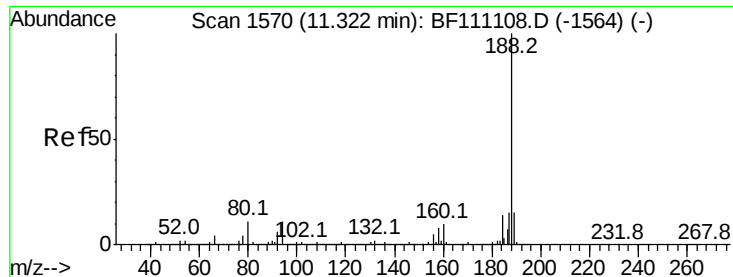
mohammad
12/10/2018 12:19:15 PM



#50
Dimethylphthalate
Concen: 2.484 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.0	4.4#
164	8.5	8.9	13.3#





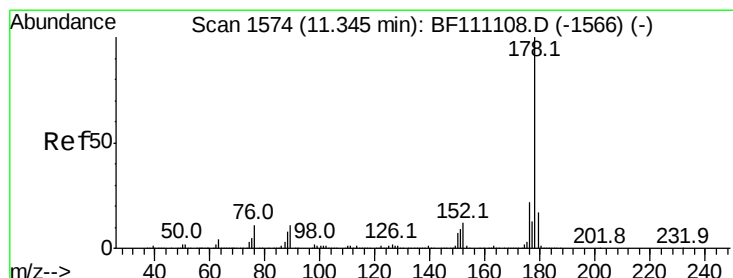
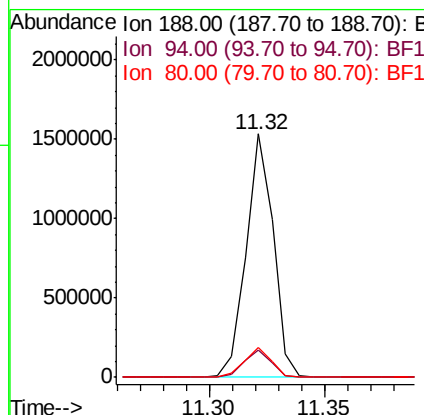
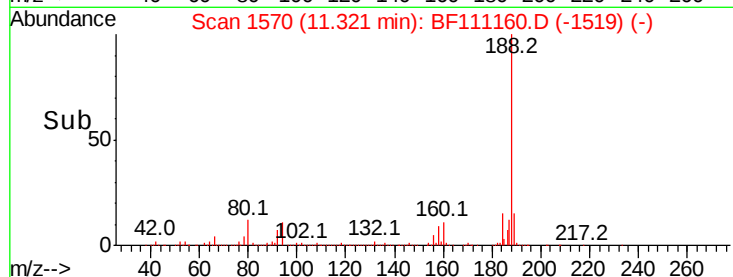
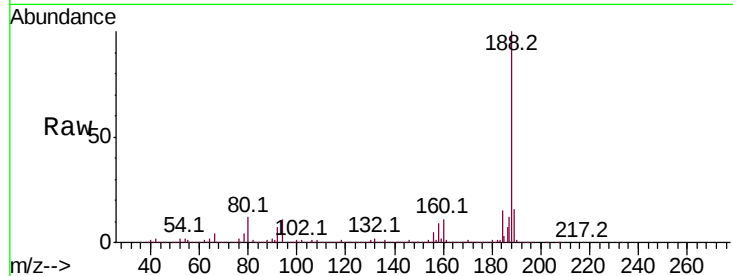
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.3	9.0	13.6

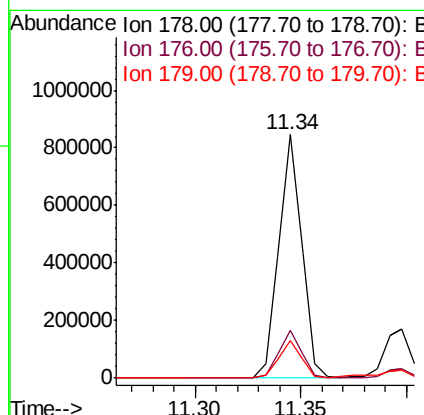
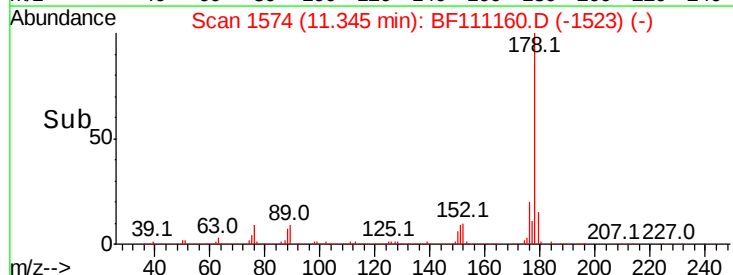
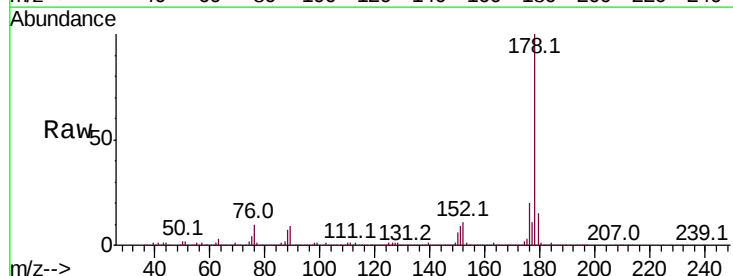
Manual Integrations
APPROVED

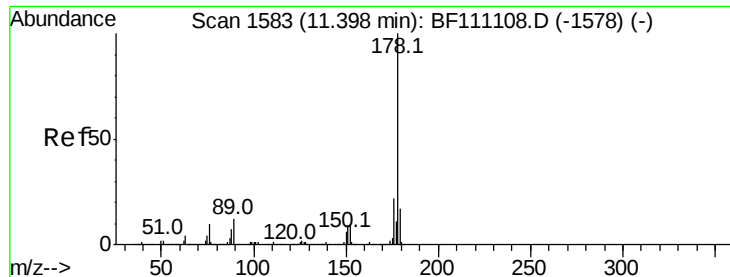
mohammad
12/10/2018 12:19:15 PM



#71
Phenanthrene
Concen: 10.517 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.7	26.5
179	15.2	14.0	21.0





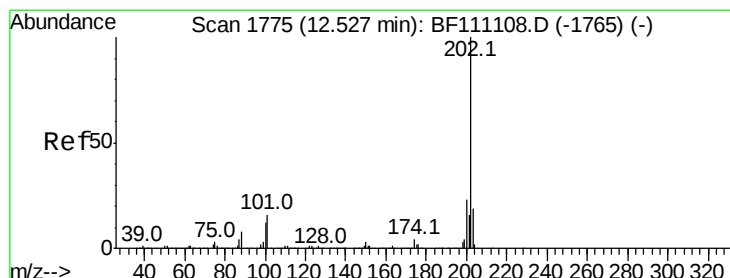
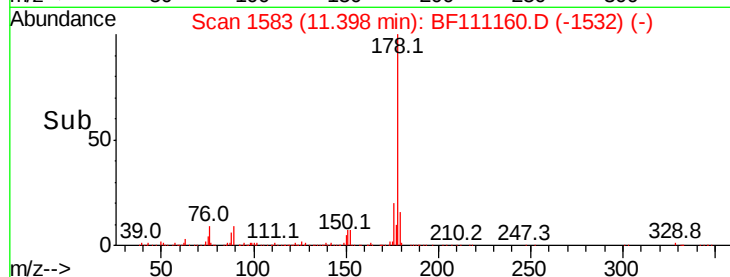
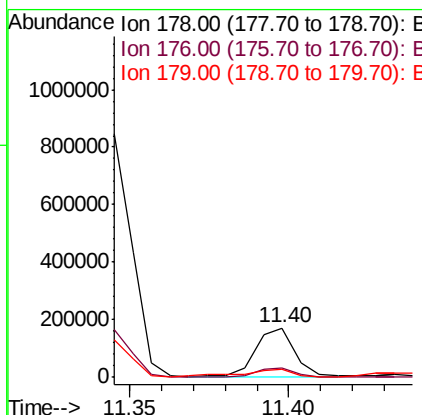
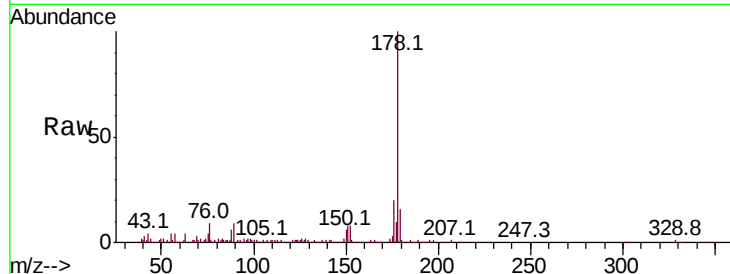
#72
 Anthracene
 Concen: 2.340 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.3	25.9
179	15.9	13.8	20.8

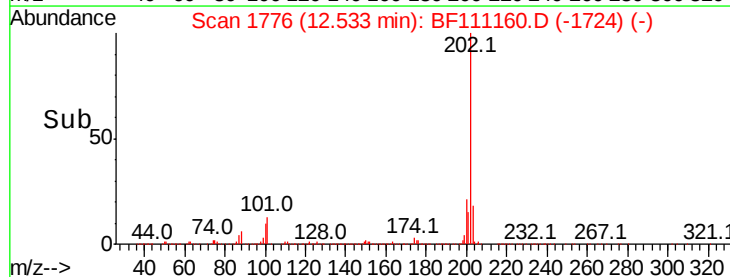
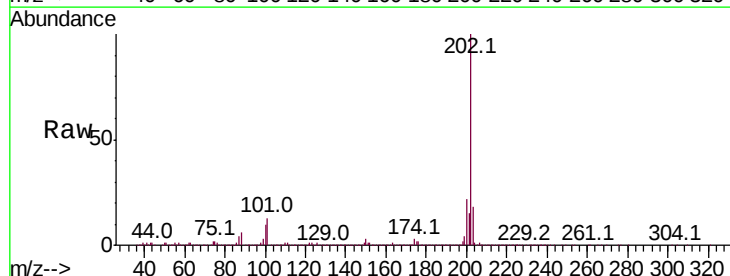
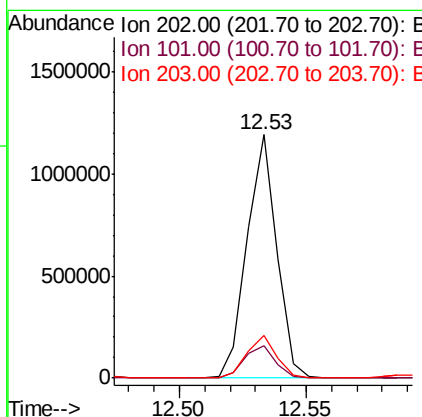
Manual Integrations
 APPROVED

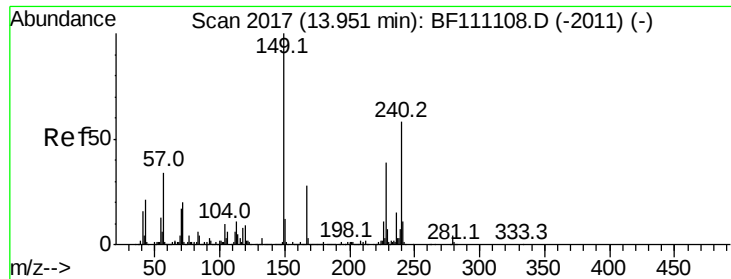
mohammad
 12/10/2018 12:19:15 PM



#75
 Fluoranthene
 Concen: 16.267 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	35.8
203	17.7	0.0	38.6





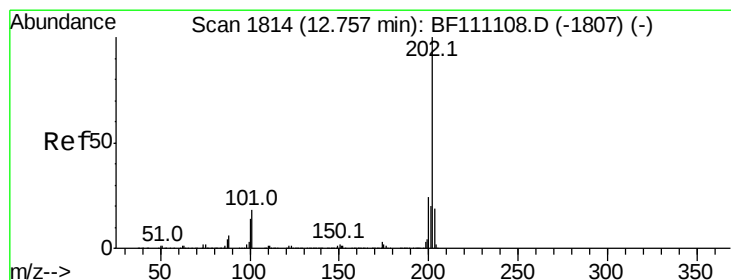
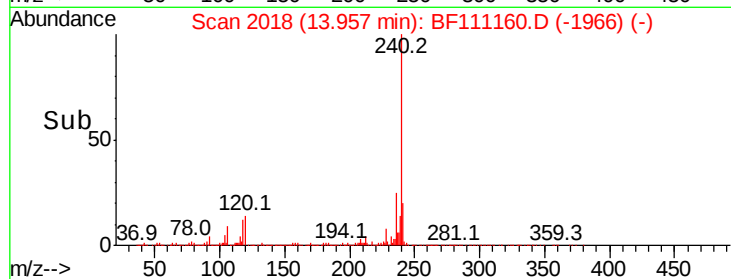
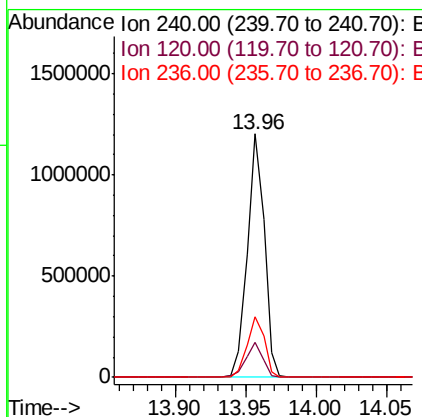
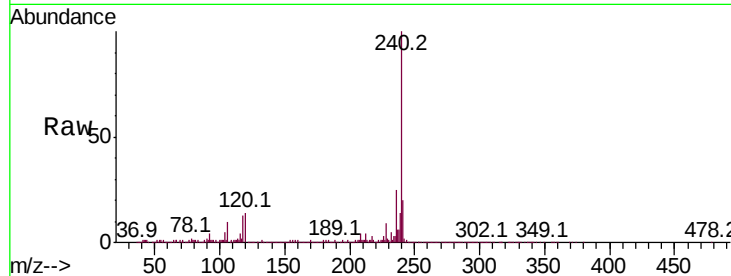
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	12.8	19.2
236	25.1	21.1	31.7

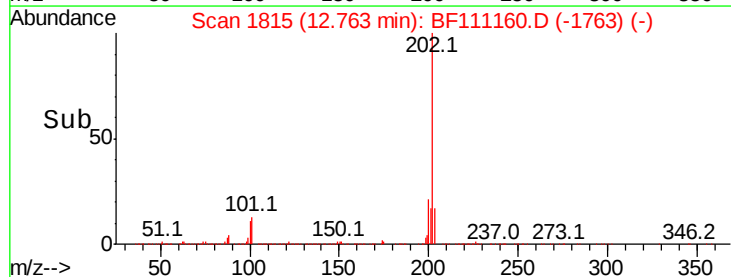
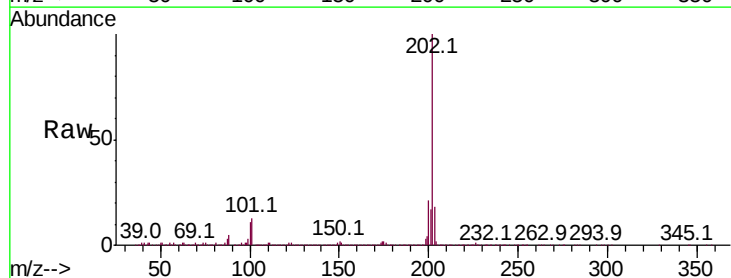
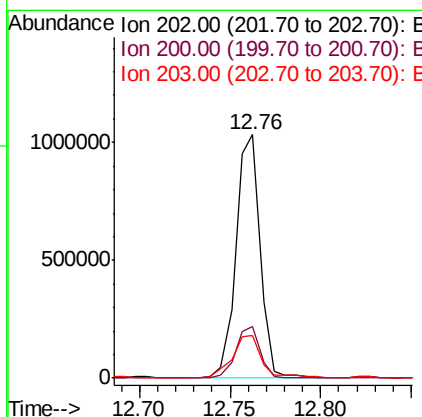
Manual Integrations
 APPROVED

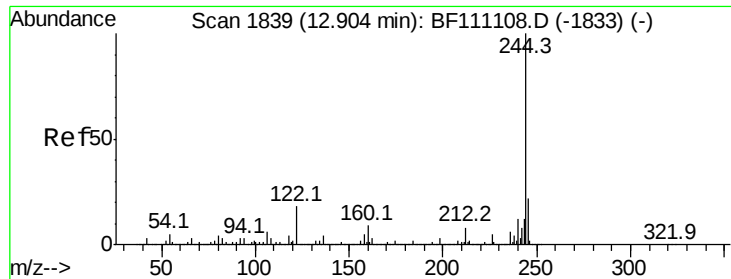
mohammad
 12/10/2018 12:19:15 PM



#78
 Pyrene
 Concen: 12.070 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. 0.01 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	19.3	28.9
203	17.5	15.4	23.2





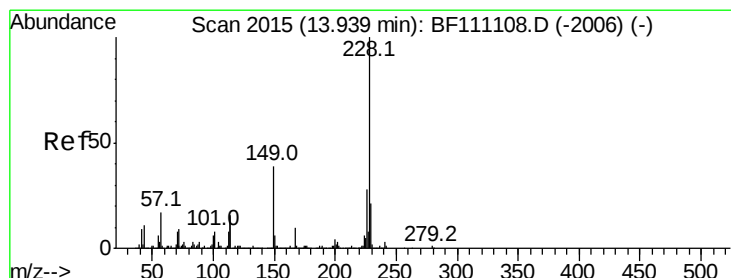
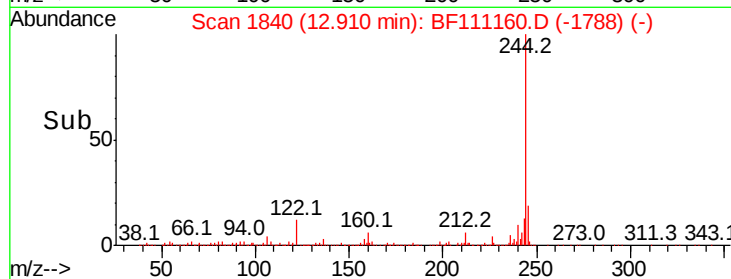
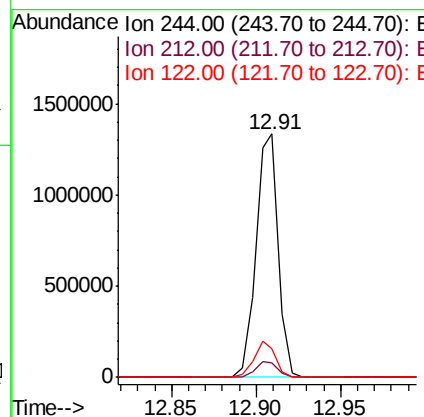
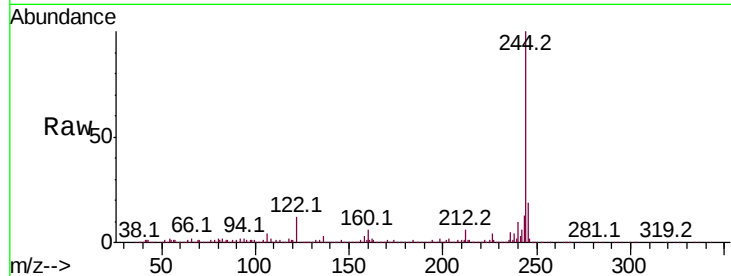
#79
 Terphenyl-d14
 Concen: 24.668 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.6	9.8#
122	11.8	14.2	21.2#

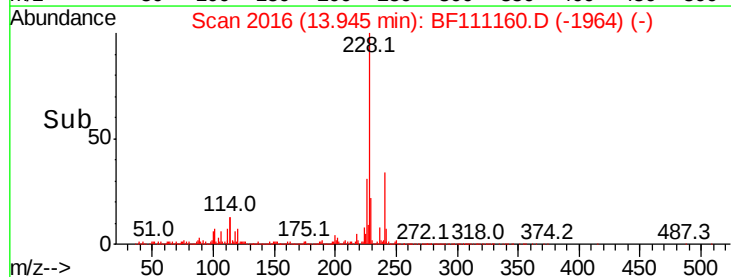
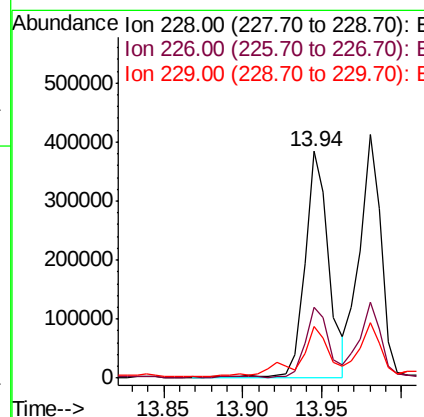
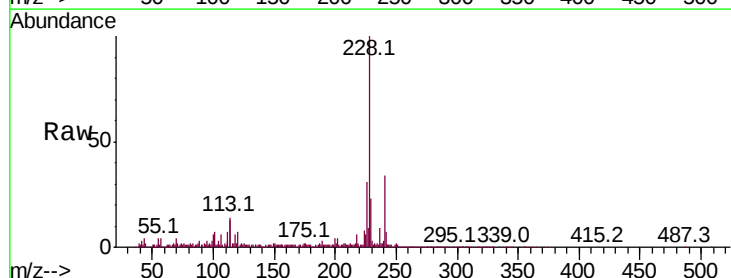
Manual Integrations
 APPROVED

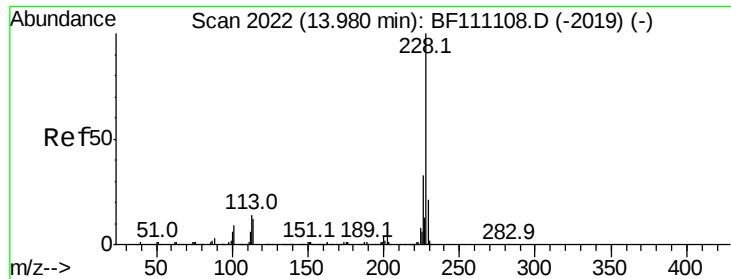
mohammad
 12/10/2018 12:19:15 PM



#81
 Benzo(a)anthracene
 Concen: 6.693 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.01 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	34.0
229	22.5	16.7	25.1





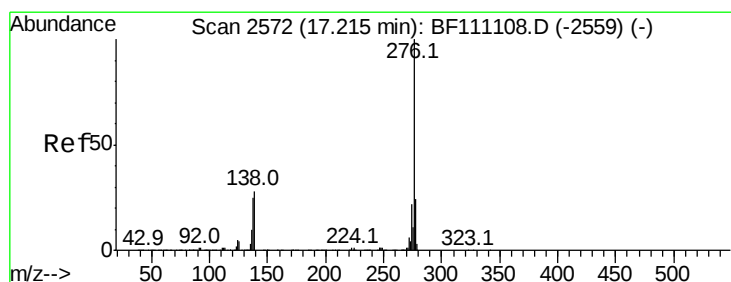
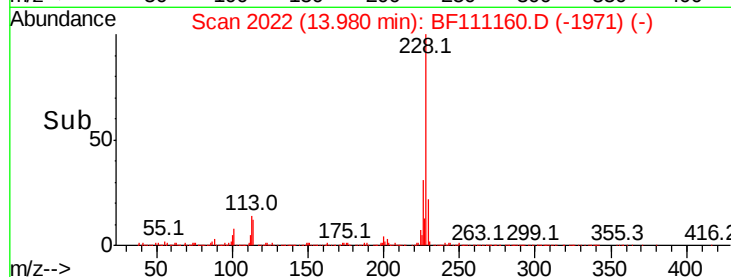
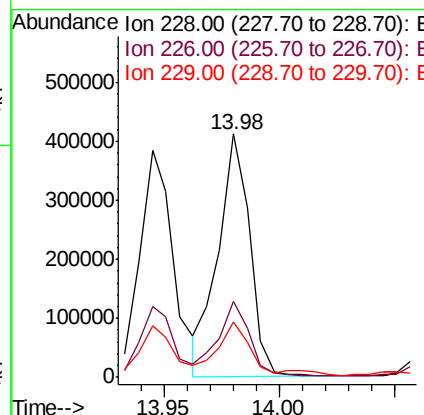
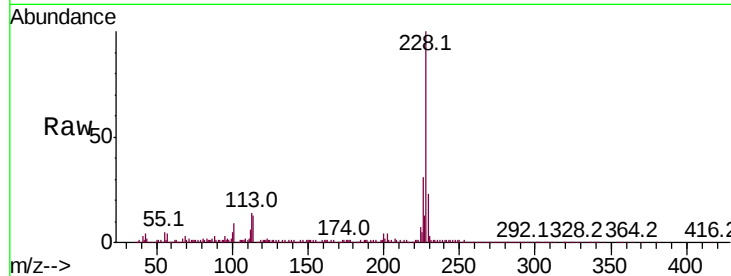
#83
Chrysene
Concen: 6.592 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.1	26.2	39.2	
229	22.9	16.9	25.3	

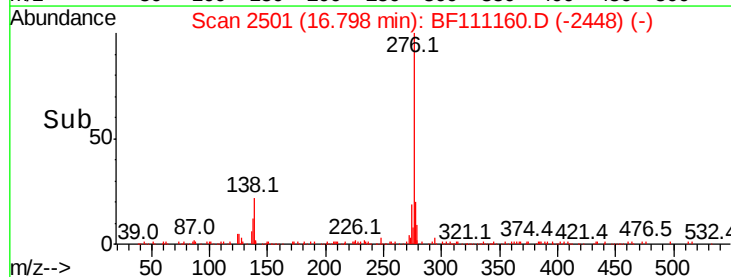
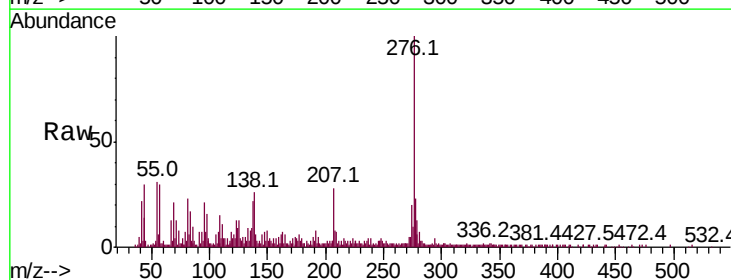
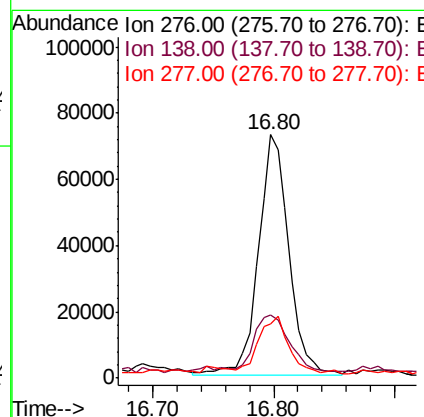
Manual Integrations
APPROVED

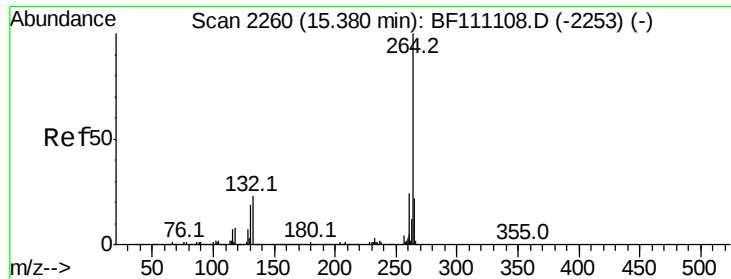
mohammad
12/10/2018 12:19:15 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.697 ng
RT: 16.80 min Scan# 2501
Delta R.T. 0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	27.1	20.2	30.4	
277	24.9	15.8	23.6	





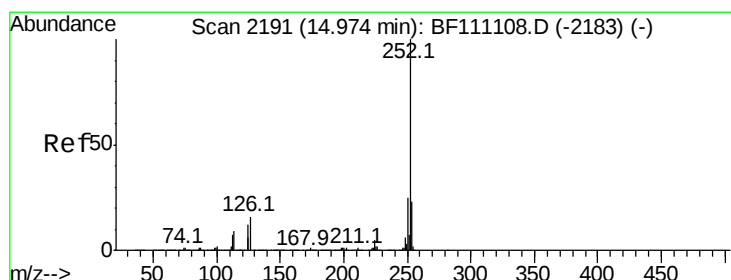
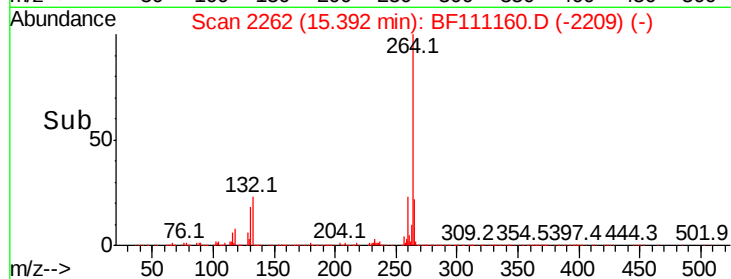
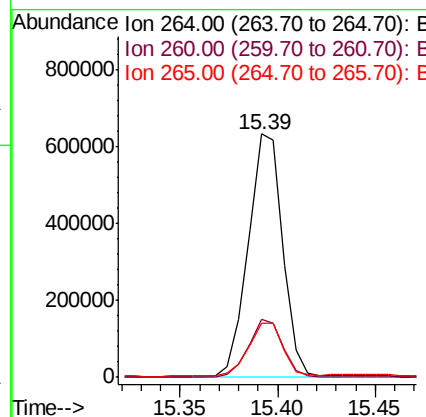
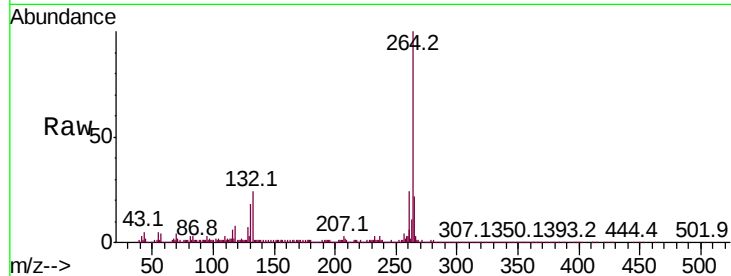
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	22.0	17.4	26.0

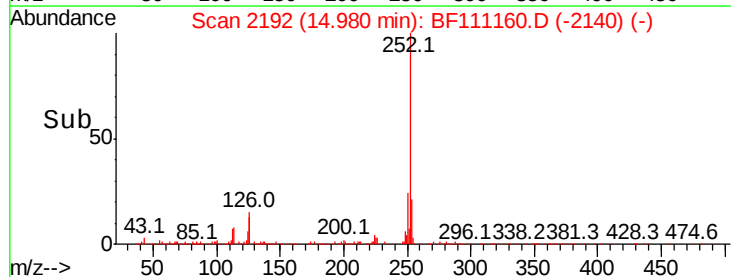
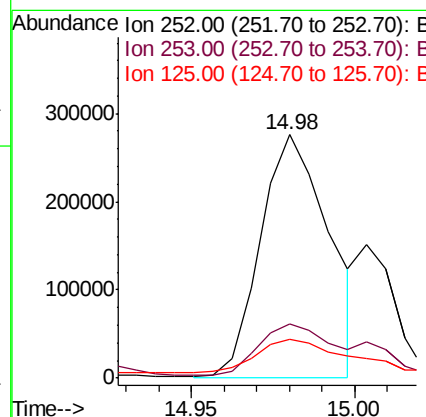
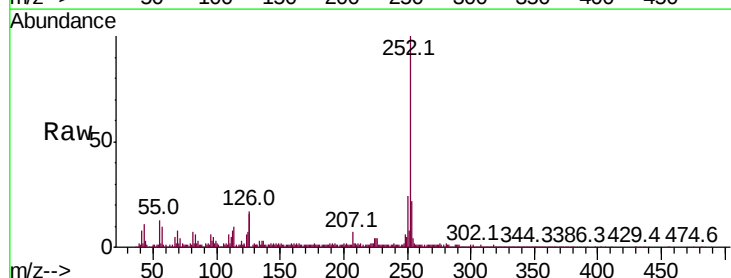
Manual Integrations
APPROVED

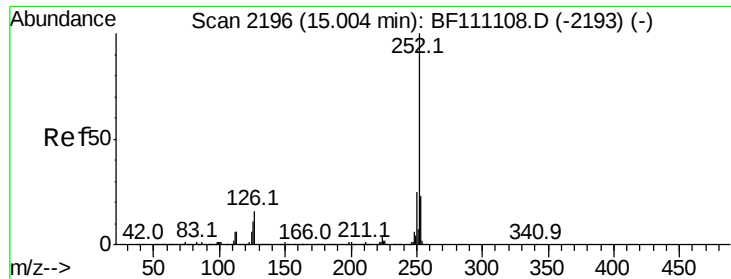
mohammad
12/10/2018 12:19:15 PM



#88
Benzo(b)fluoranthene
Concen: 9.232 ng m
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.5	27.7
125	15.8	9.9	14.9#





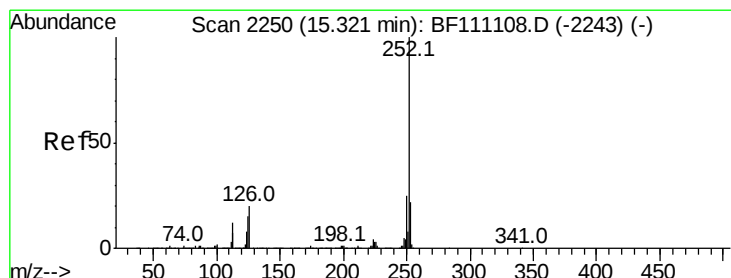
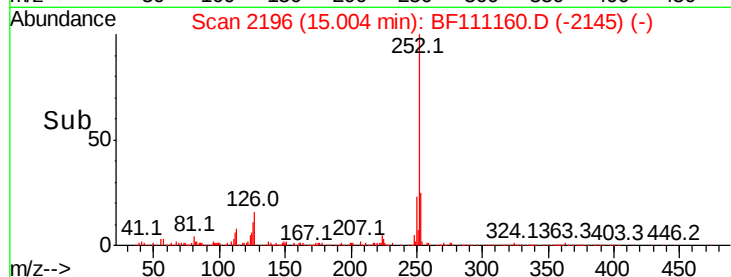
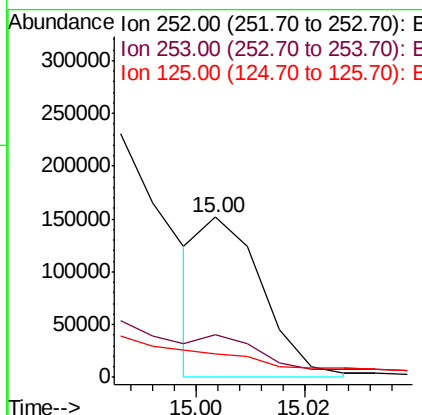
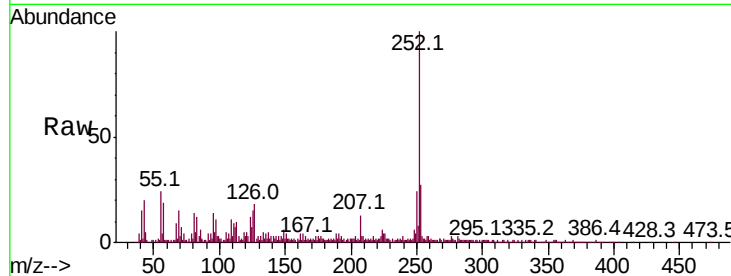
#89
Benzo(k)fluoranthene
Concen: 2.786 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Instrument :
BNA_F
ClientSampleId :
OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.4
125	14.8	9.9	14.9

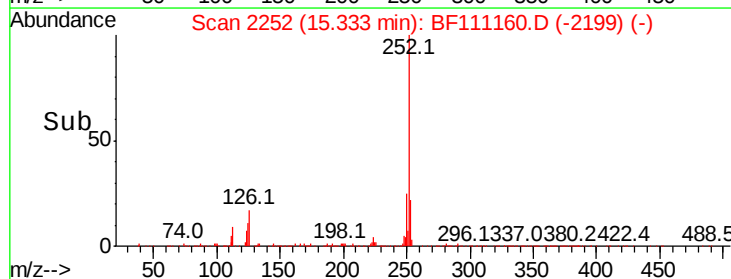
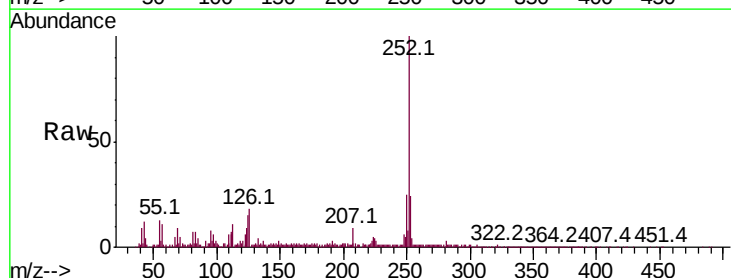
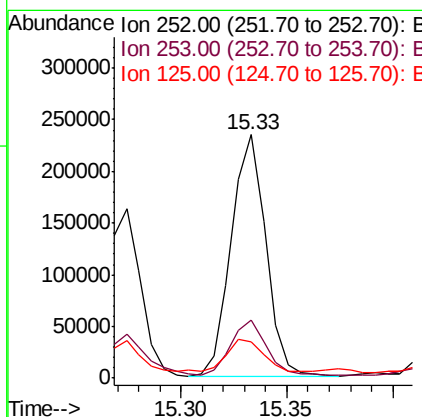
Manual Integrations
APPROVED

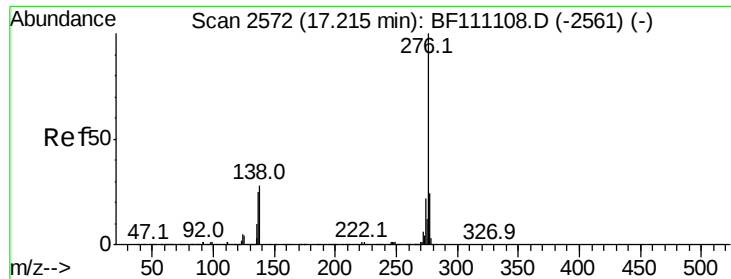
mohammad
12/10/2018 12:19:15 PM



#90
Benzo(a)pyrene
Concen: 6.580 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111160.D
Acq: 7 Dec 2018 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.7	12.4	18.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.580 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BF111160.D
 Acq: 7 Dec 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-120418-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.3	28.9
138	34.1	22.3	33.5

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:15 PM

