

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
 Data File : BF114648.D
 Acq On : 30 May 2019 1:50
 Operator : HP/JU
 Sample : K3065-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14-11-12.0

Manual Integrations
 APPROVED

mohammad
 5/30/2019 12:48:01 PM

Quant Time: May 30 04:49:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	380930	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	1130082	20.00	ng	0.01
39) Acenaphthene-d10	9.72	164	720678	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1398507	20.00	ng	0.00
76) Chrysene-d12	13.81	240	960666	20.00	ng	0.00
87) Perylene-d12	15.20	264	961691	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	736363	33.94	ng	0.03
7) Phenol-d6	6.34	99	3063729	117.18	ng	0.01
23) Nitrobenzene-d5	7.26	82	1733200	95.69	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	800829	116.62	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2727323	67.86	ng	0.00
79) Terphenyl-d14	12.78	244	3127947	61.22	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.35	94	218997	6.934	ng	92
17) 2-Methylphenol	6.95	107	110419	5.210	ng	# 89
20) 3+4-Methylphenols	7.10	107	209535	8.407	ng	# 79
22) Acetophenone	7.10	105	256185	10.640	ng	# 79
27) 2,4-Dimethylphenol	7.63	122	97197	6.240	ng	85
31) Naphthalene	8.03	128	13764759	264.435	ng	# 93
37) 2-Methylnaphthalene	8.69	142	2800932	80.986	ng	98
38) 1-Methylnaphthalene	8.79	142	1764719	53.855	ng	100
46) 1,1'-Biphenyl	9.15	154	189504	3.542	ng	96
49) Acenaphthylene	9.57	152	297814	4.393	ng	96
50) Dimethylphthalate	9.44	163	272125	5.419	ng	98
52) Acenaphthene	9.75	154	179195	4.310	ng	98
71) Phenanthrene	11.22	178	936668	13.130	ng	96
72) Anthracene	11.26	178	217312	3.010	ng	96
75) Fluoranthene	12.39	202	374798	5.074	ng	97
78) Pyrene	12.62	202	457346	5.628	ng	98
81) Benzo(a)anthracene	13.80	228	161530	2.188	ng	95
83) Chrysene	13.83	228	144990	2.056	ng	96
88) Benzo(b)fluoranthene	14.81	252	125242m	2.068	ng	

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

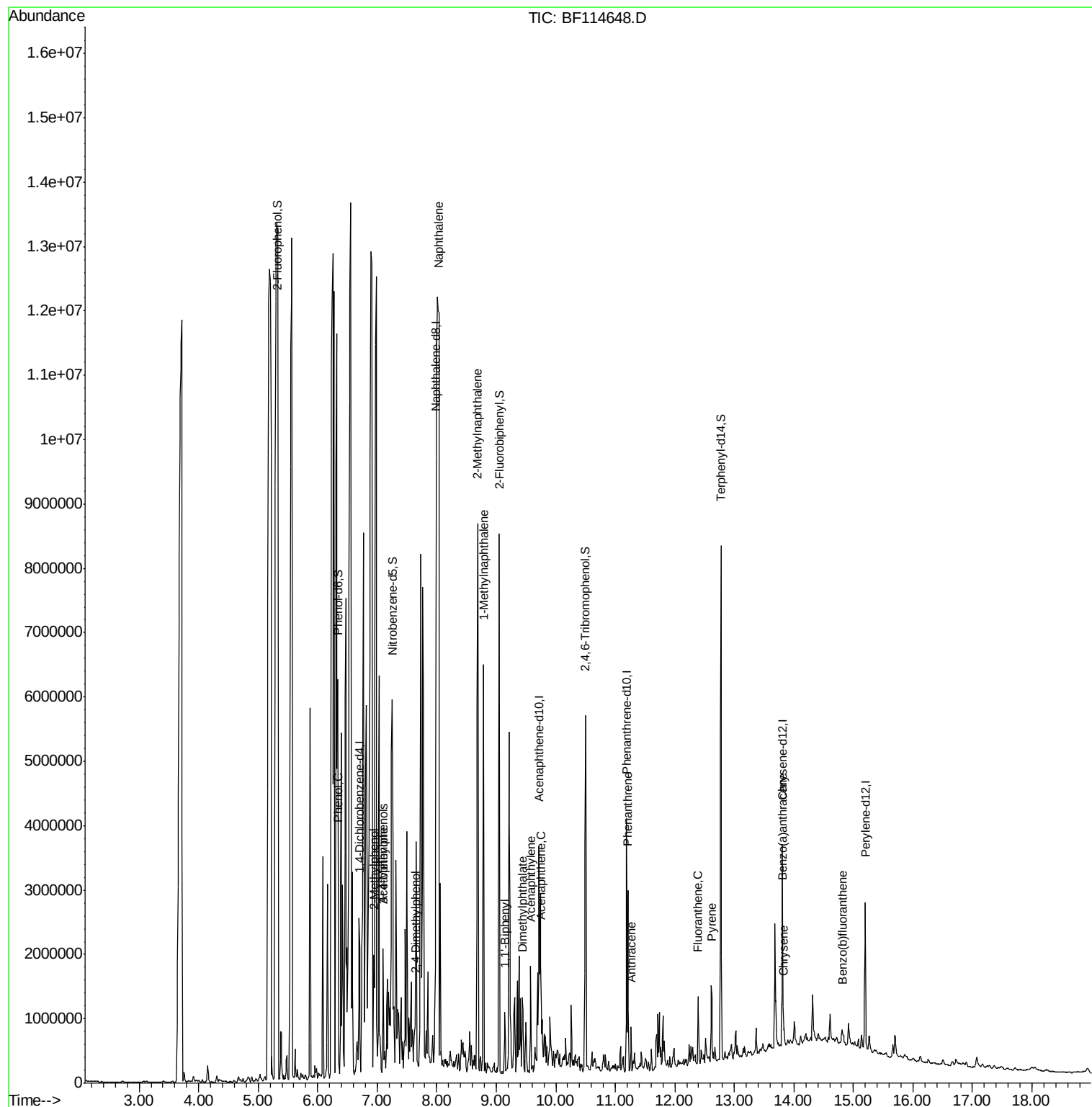
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114648.D
Acq On : 30 May 2019 1:50
Operator : HP/JU
Sample : K3065-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

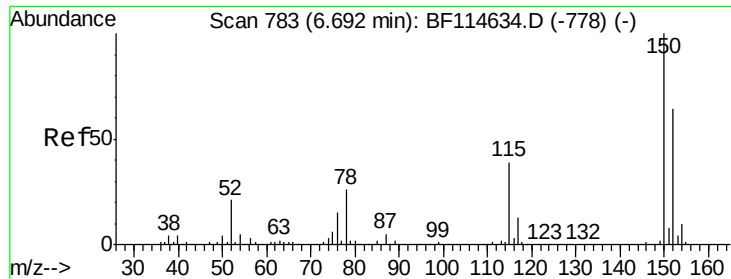
Instrument :
BNA_F
ClientSampleId :
B-14-11-12.0

Manual Integrations
APPROVED

mohammad
5/30/2019 12:48:01 PM

Quant Time: May 30 04:49:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration





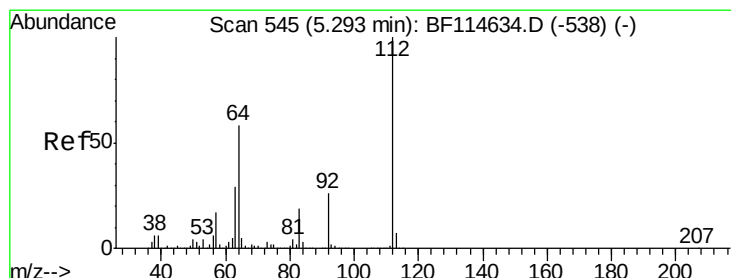
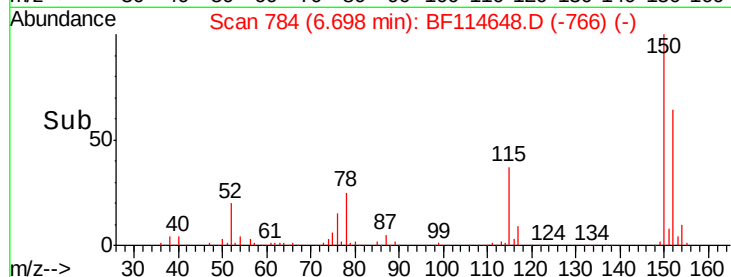
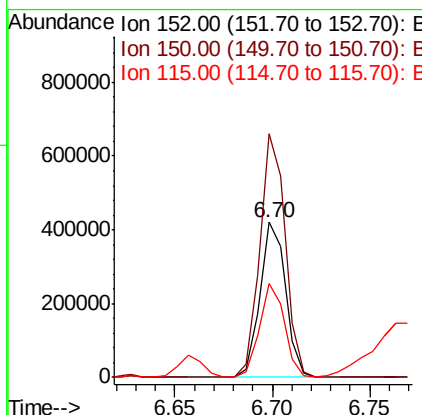
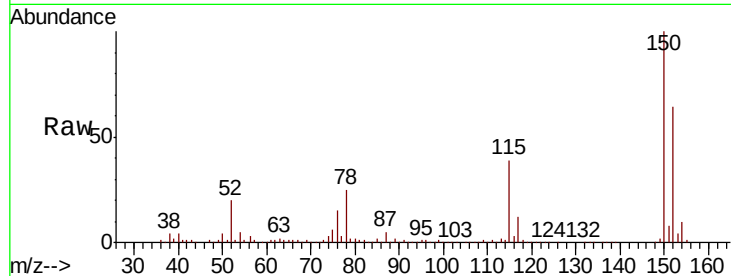
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampled :
B-14-11-12.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.4	186.6
115	60.8	48.7	73.1

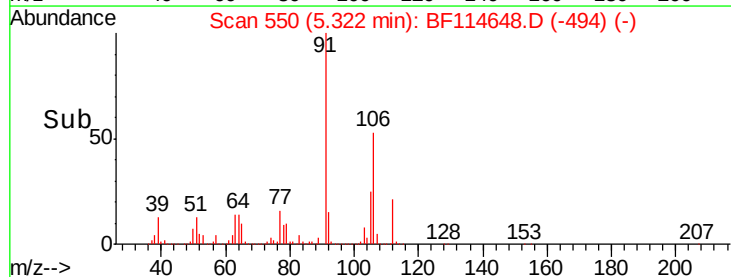
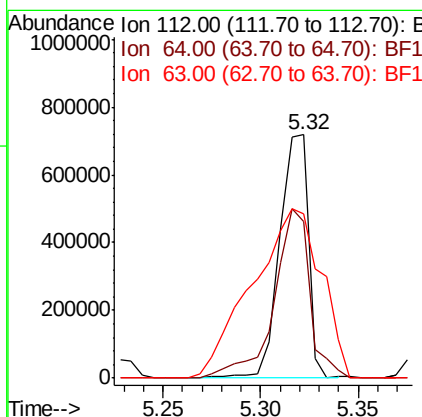
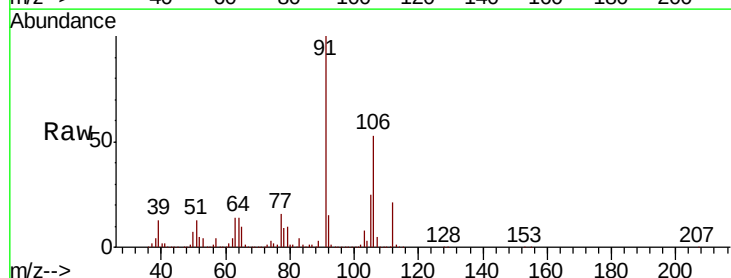
Manual Integrations
APPROVED

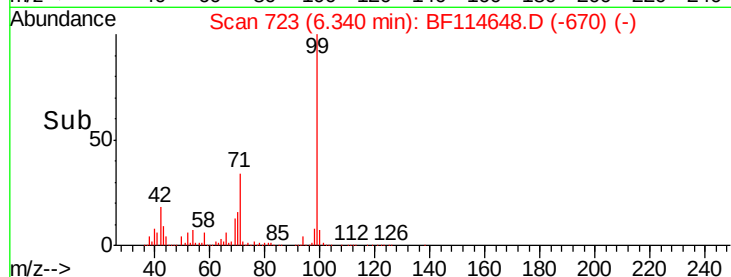
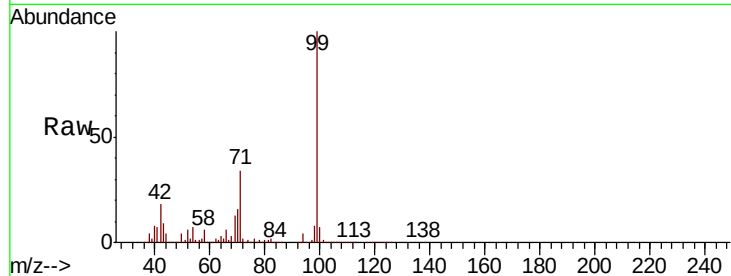
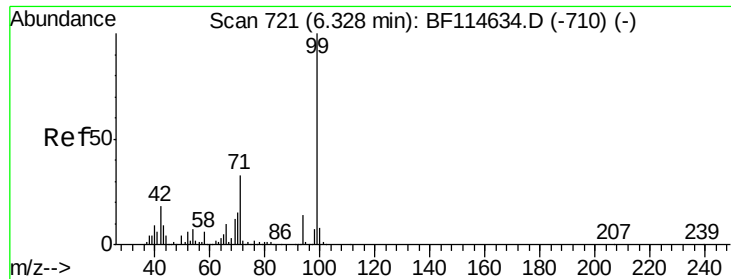
mohammad
5/30/2019 12:48:01 PM



#5
2-Fluorophenol
Concen: 33.939 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.03 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.1	69.1
63	67.5	23.4	35.2





#7

Phenol-d6

Concen: 117.181 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

Tot Ion: 99 Resp: 3063729

Ion Ratio Lower Upper

99 100

42 18.0 14.7 22.1

71 34.5 26.6 40.0

Instrument :

BNA_F

ClientSampled :

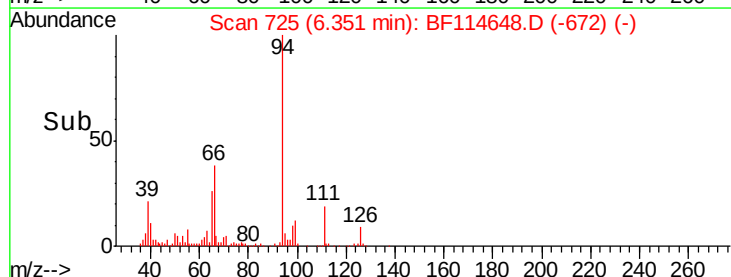
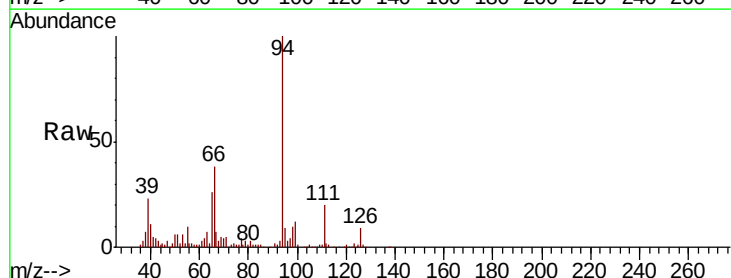
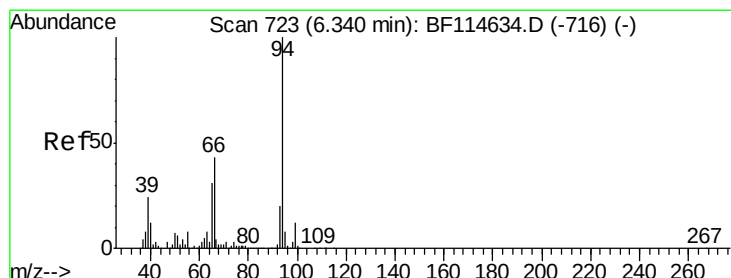
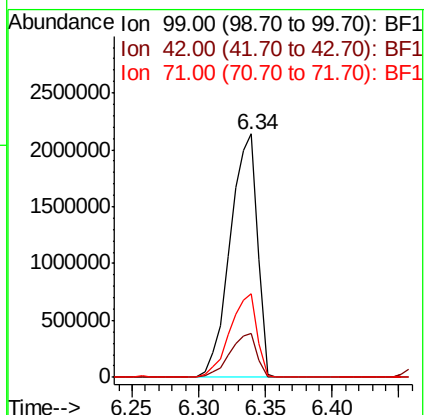
B-14-11-12.0

Manual Integrations

APPROVED

mohammad

5/30/2019 12:48:01 PM



#10

Phenol

Concen: 6.934 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

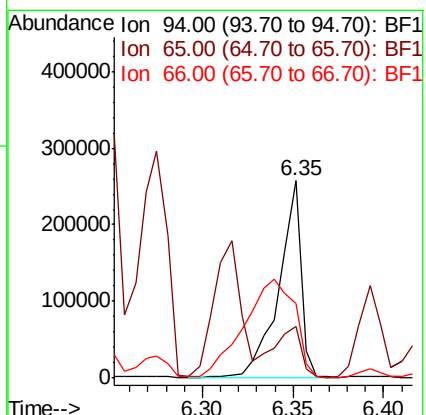
Tgt Ion: 94 Resp: 218997

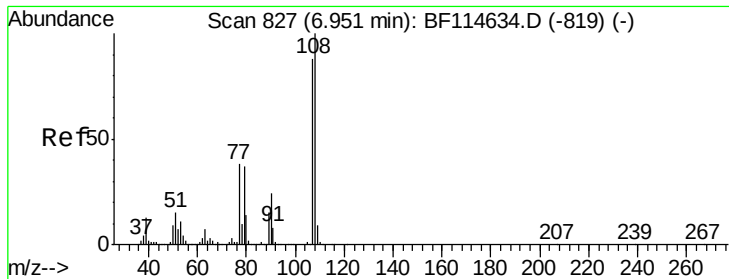
Ion Ratio Lower Upper

94 100

65 26.4 11.0 51.0

66 37.9 23.0 63.0





#17

2-Methylphenol

Concen: 5.210 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

Instrument :

BNA_F

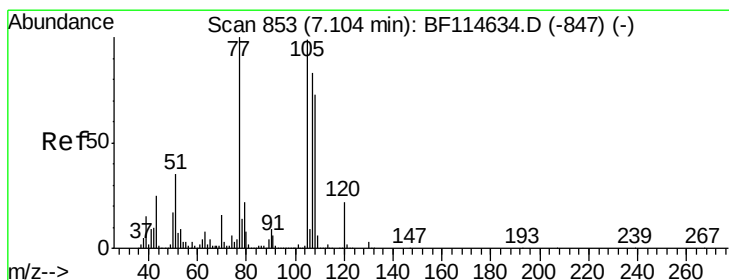
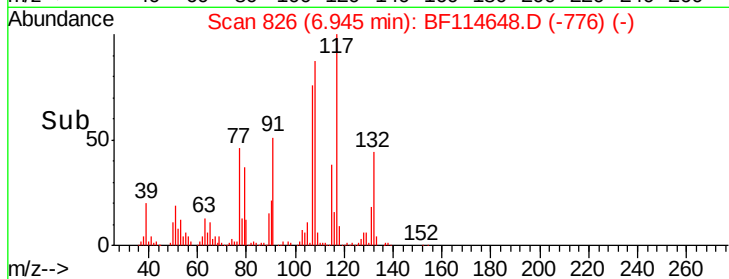
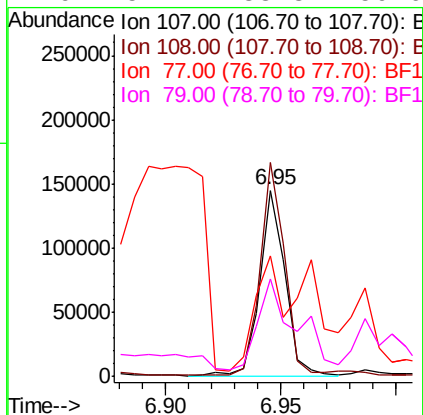
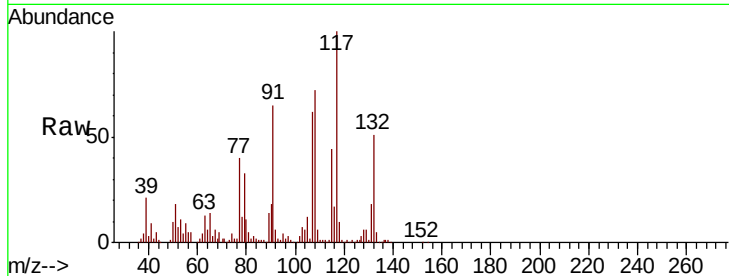
ClientSampled :

B-14-11-12.0

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.7	91.1	136.7	
77	64.7	34.9	52.3	
79	52.1	33.8	50.6	

Manual Integrations
APPROVED

mohammad
5/30/2019 12:48:01 PM



#20

3+4-Methylphenols

Concen: 8.407 ng

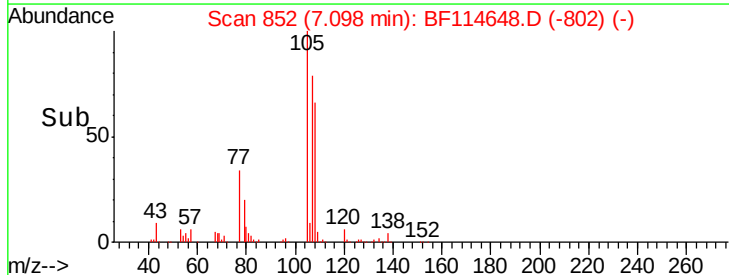
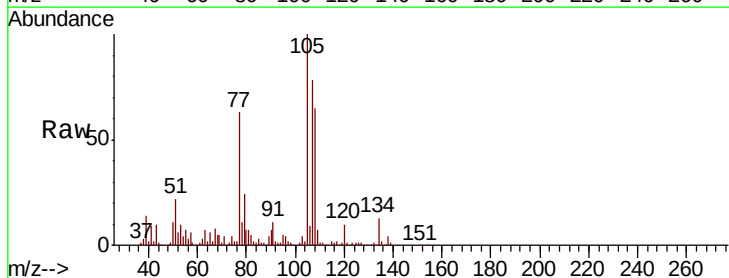
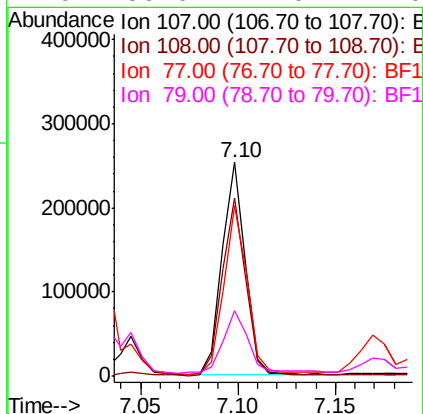
RT: 7.10 min Scan# 852

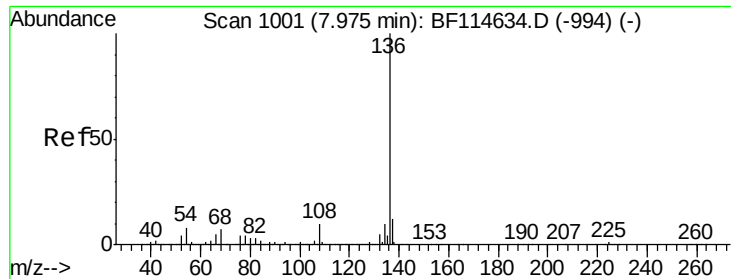
Delta R.T. -0.01 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	83.5	68.6	108.6	
77	80.0	100.5	140.5	
79	30.6	7.0	47.0	





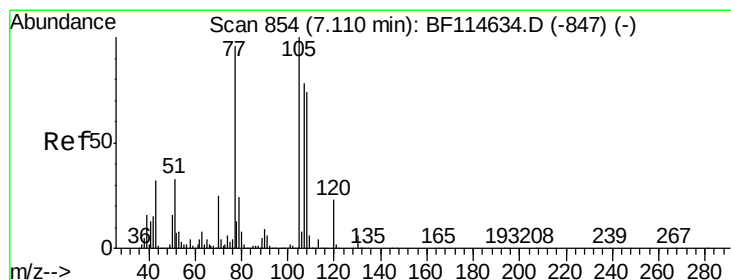
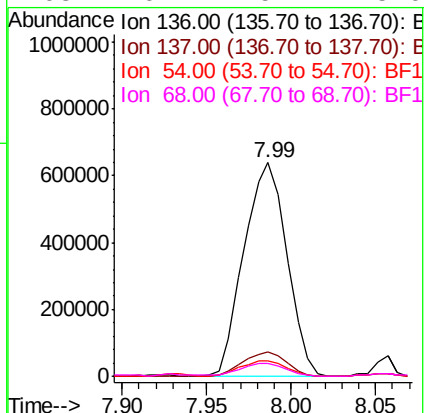
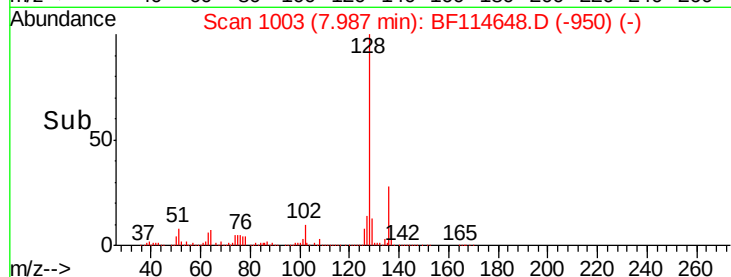
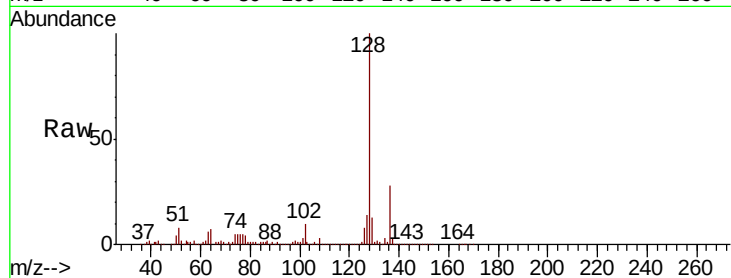
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampled :
B-14-11-12.0

Tot Ion	136	Resp	1130082
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.3	6.3	9.5
68	6.1	5.4	8.0

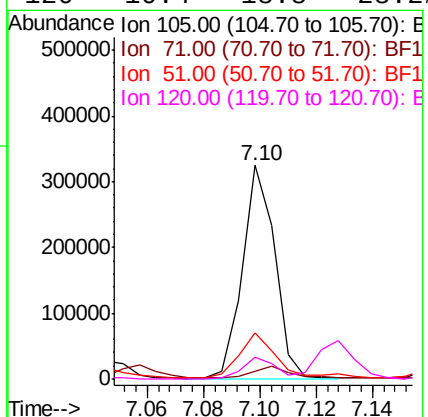
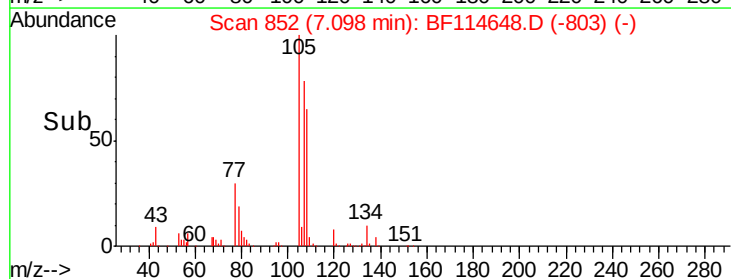
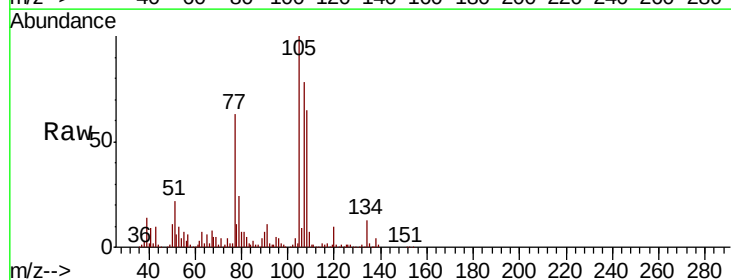
Manual Integrations
APPROVED

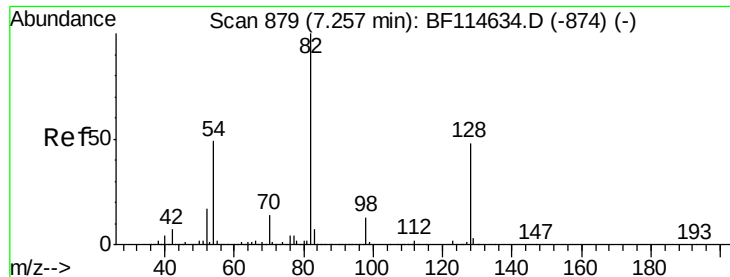
mohammad
5/30/2019 12:48:01 PM



#22
Acetophenone
Concen: 10.640 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	105	Resp	256185
Ion	Ratio	Lower	Upper
105	100		
71	3.8	3.6	5.4
51	21.8	26.0	39.0#
120	10.4	18.8	28.2#





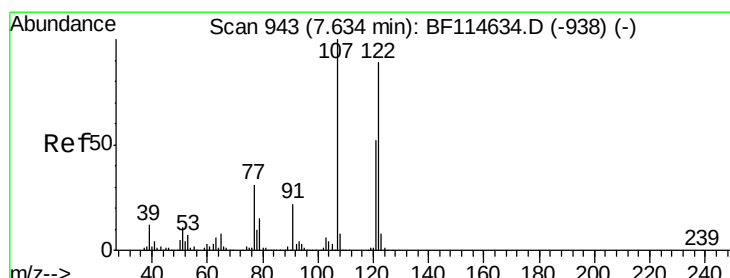
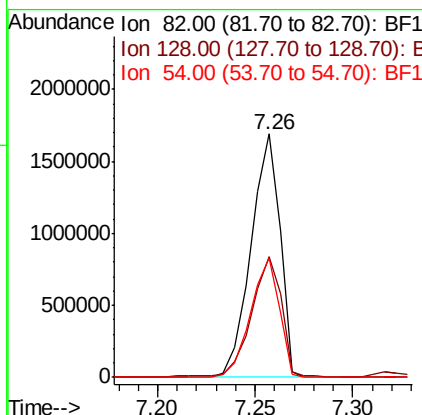
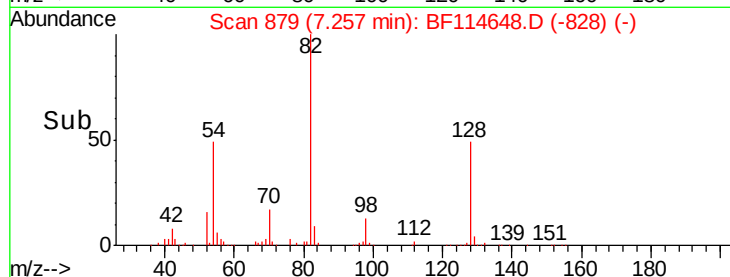
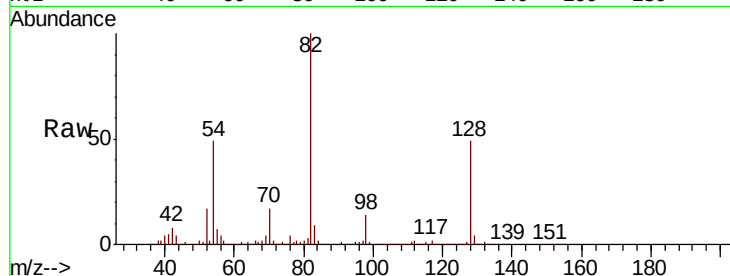
#23
 Nitrobenzene-d5
 Concen: 95.686 ng
 RT: 7.26 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: BF114648.D
 Acq: 30 May 2019 1:50

Instrument :
 BNA_F
 ClientSampleId :
 B-14-11-12.0

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	38.5	57.7
54	49.1	39.1	58.7

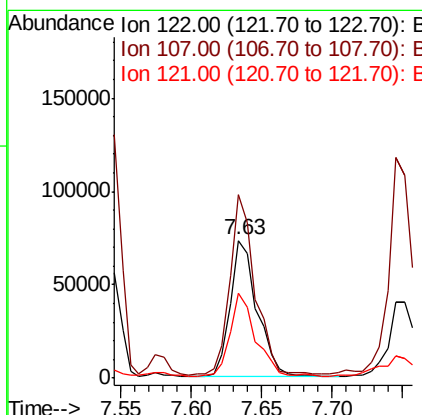
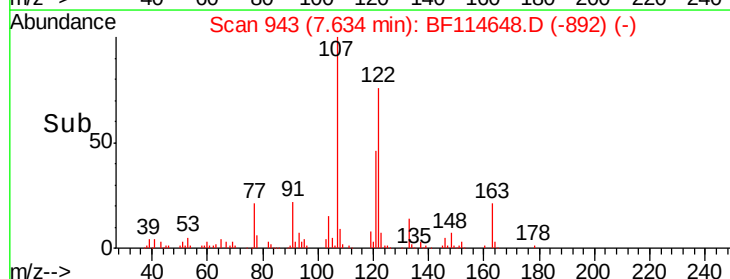
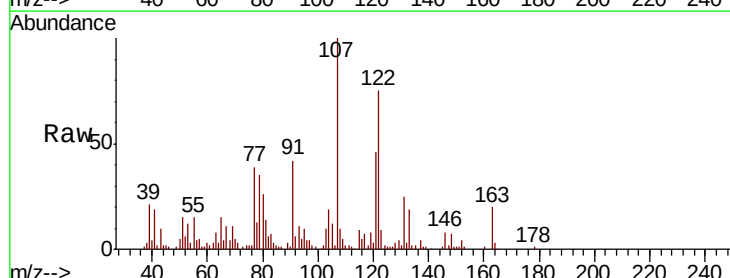
Manual Integrations
 APPROVED

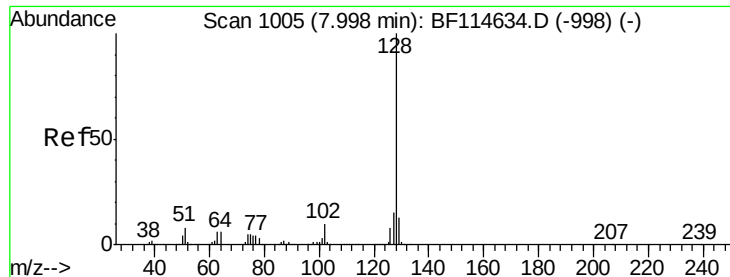
mohammad
 5/30/2019 12:48:01 PM



#27
 2,4-Dimethylphenol
 Concen: 6.240 ng
 RT: 7.63 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BF114648.D
 Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Lower	Upper
122	100		
107	133.9	89.3	133.9
121	61.6	46.8	70.2





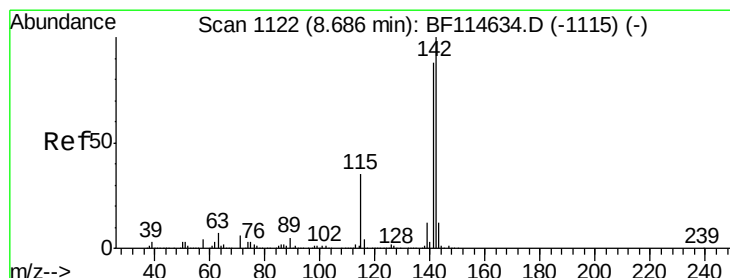
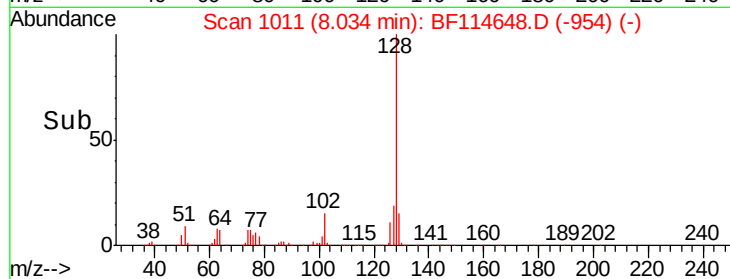
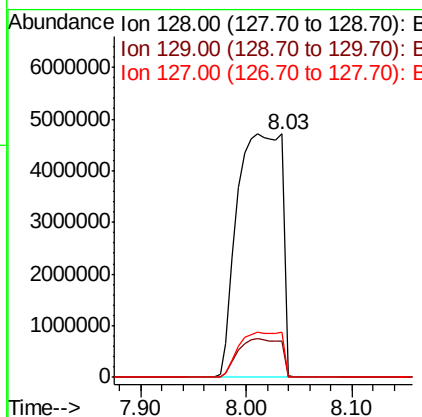
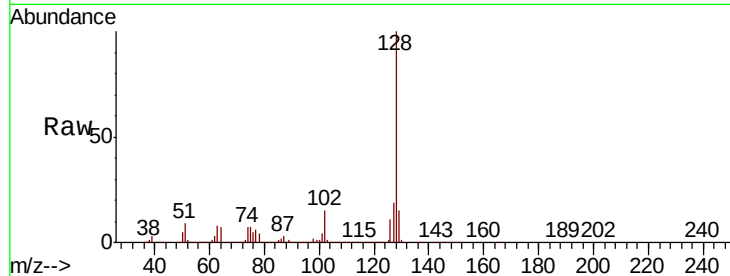
#31
Naphthalene
Concen: 264.435 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.04 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampleId :
B-14-11-12.0

Tot Ion:128 Resp:13764759
Ion Ratio Lower Upper
128 100
129 14.7 10.2 15.2
127 18.7 11.9 17.9#

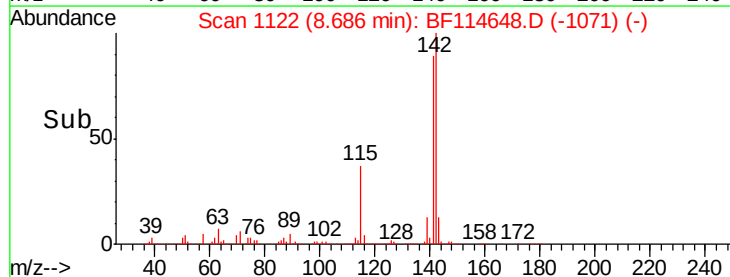
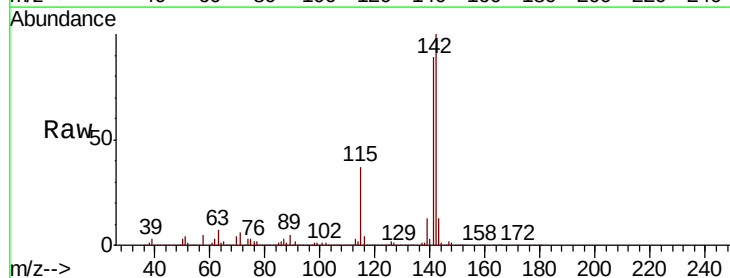
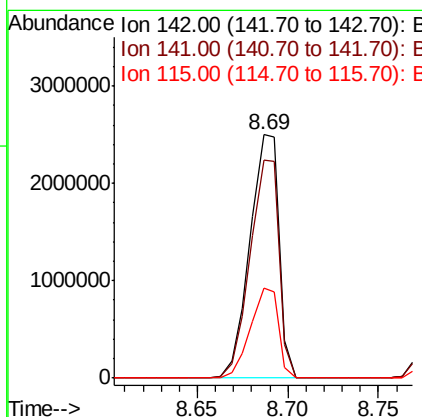
Manual Integrations
APPROVED

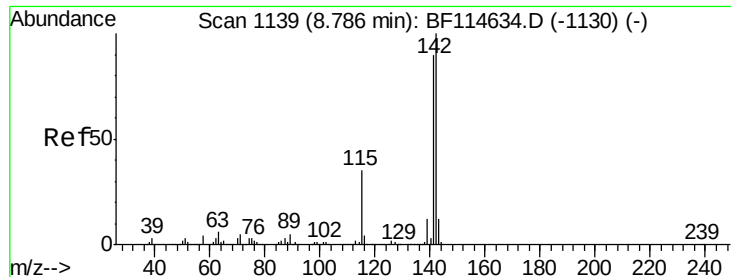
mohammad
5/30/2019 12:48:01 PM



#37
2-Methylnaphthalene
Concen: 80.986 ng
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion:142 Resp: 2800932
Ion Ratio Lower Upper
142 100
141 89.3 70.3 105.5
115 37.1 28.0 42.0





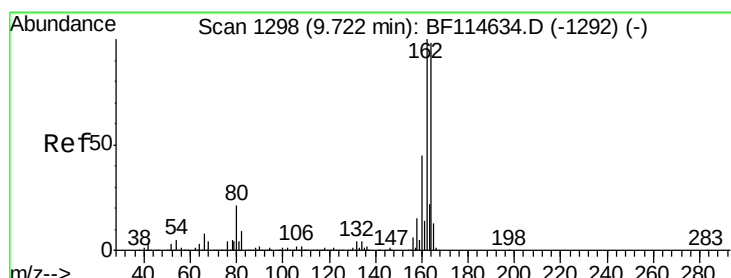
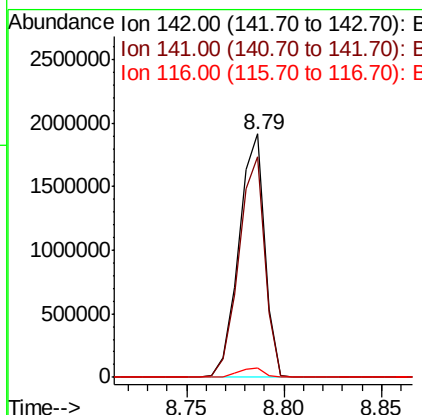
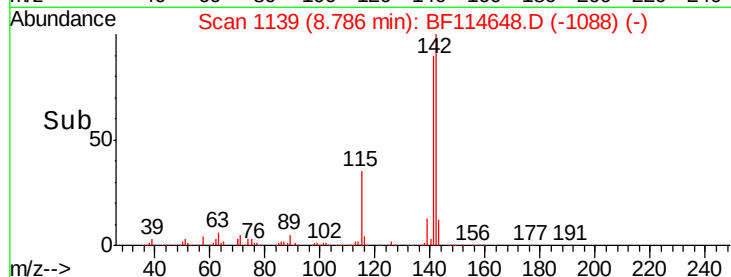
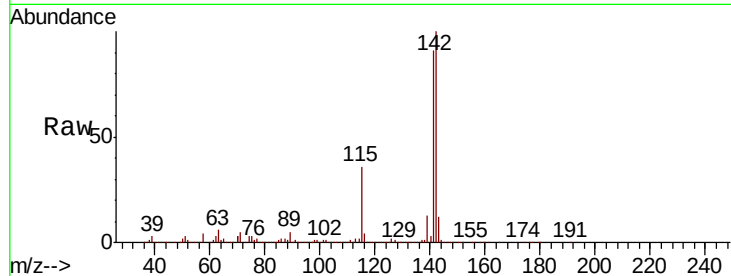
#38
1-Methylnaphthalene
Concen: 53.855 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampled :
B-14-11-12.0

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5
116	3.8	3.0	4.4

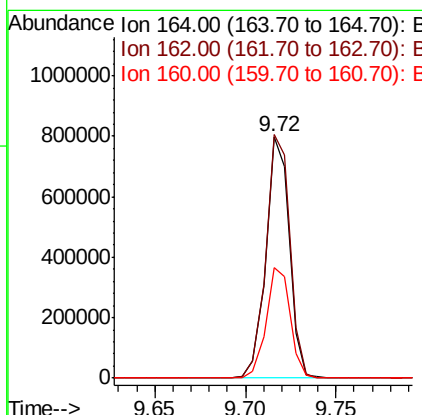
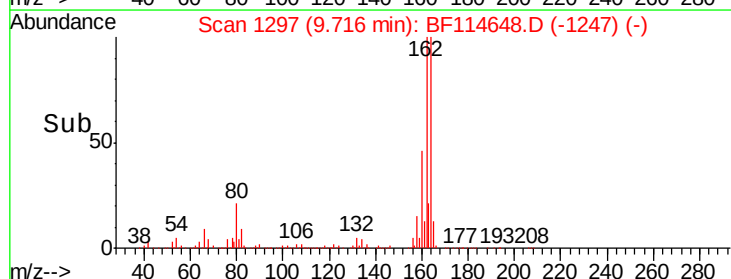
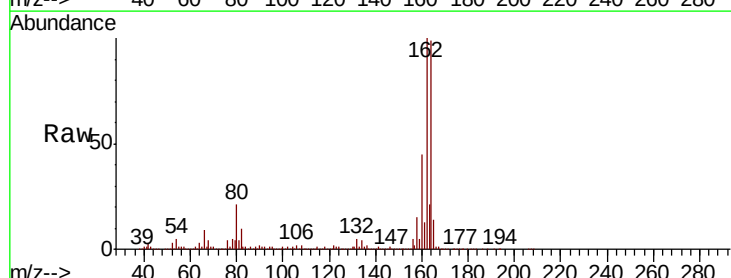
Manual Integrations
APPROVED

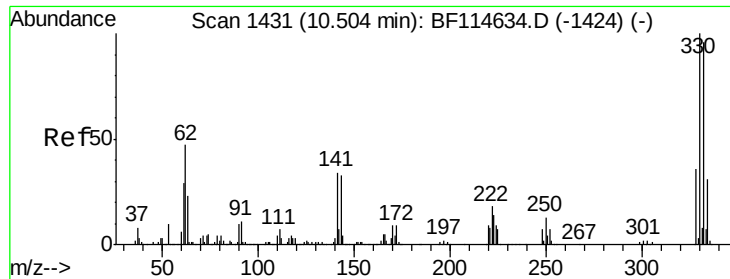
mohammad
5/30/2019 12:48:01 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.4	122.2
160	45.7	36.6	54.8





#42

2,4,6-Tribromophenol

Concen: 116.621 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

Instrument :

BNA_F

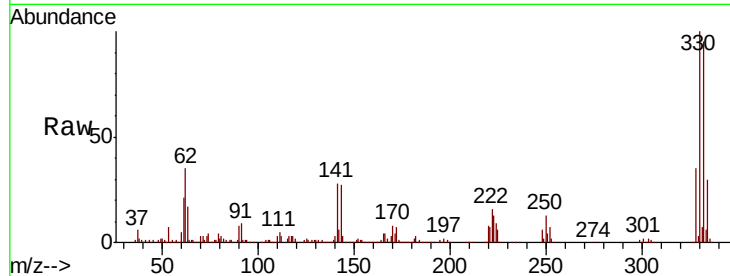
ClientSampled :

B-14-11-12.0

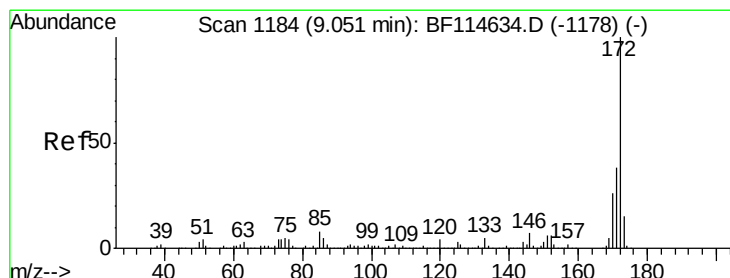
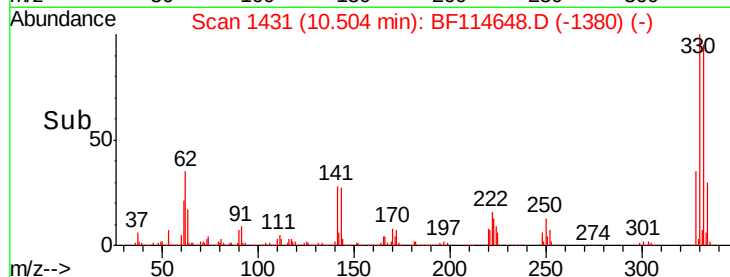
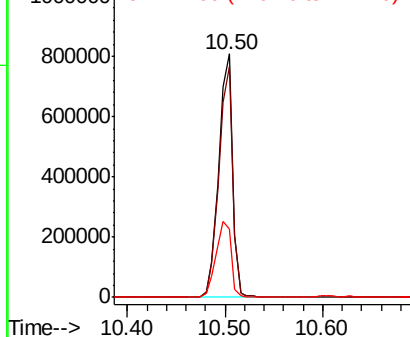
Tot Ion:	330	Resp:	800829
Ion Ratio	Lower	Upper	
330	100		
332	94.7	75.8	113.8
141	33.7	27.8	41.8

Manual Integrations
APPROVED

mohammad
5/30/2019 12:48:01 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: 67.863 ng

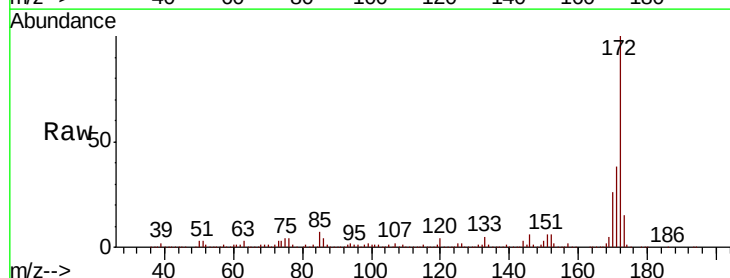
RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

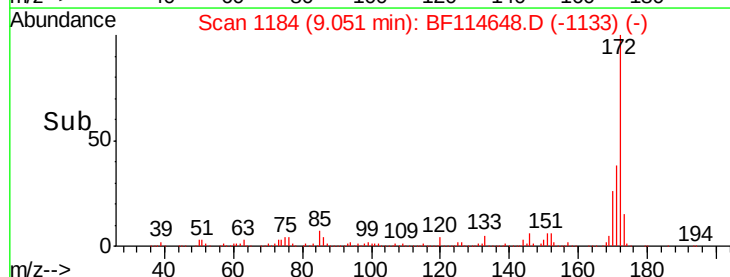
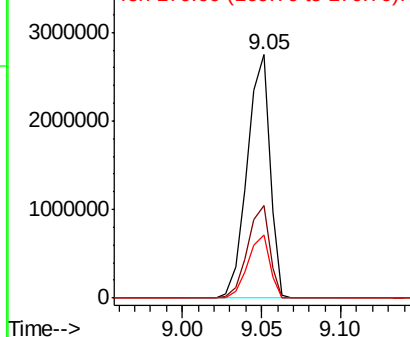
Lab File: BF114648.D

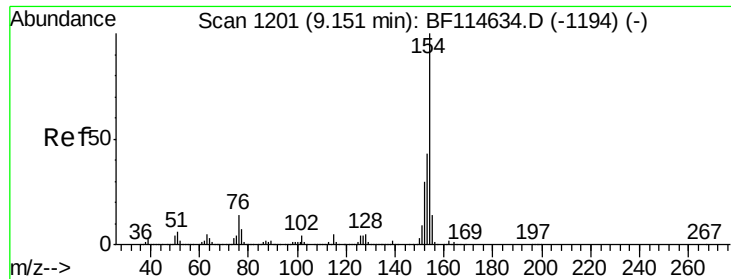
Acq: 30 May 2019 1:50

Tgt Ion:	172	Resp:	2727323
Ion Ratio	Lower	Upper	
172	100		
171	38.1	30.6	45.8
170	26.1	20.7	31.1



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





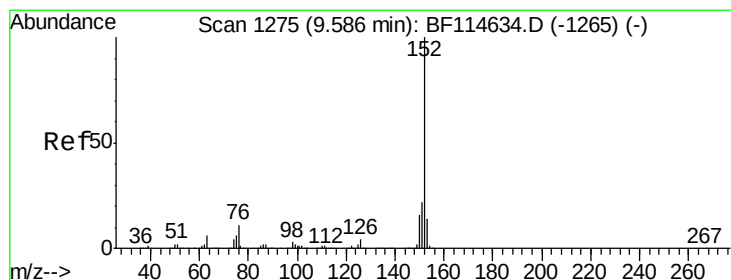
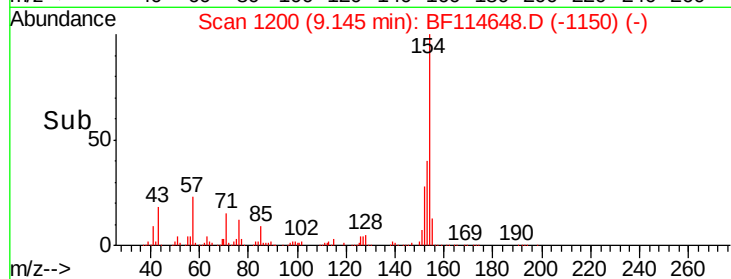
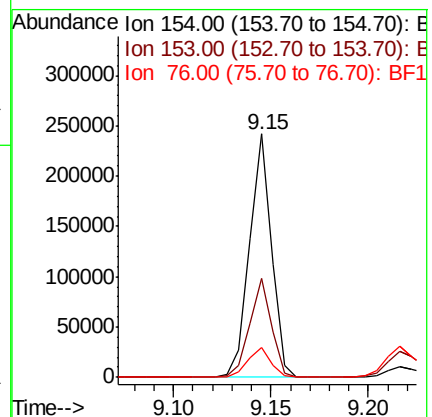
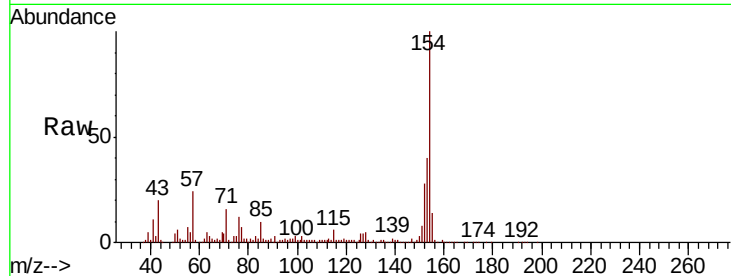
#46
1,1'-Biphenyl
Concen: 3.542 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampleId :
B-14-11-12.0

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.5	23.0	63.0	
76	12.1	0.0	33.9	

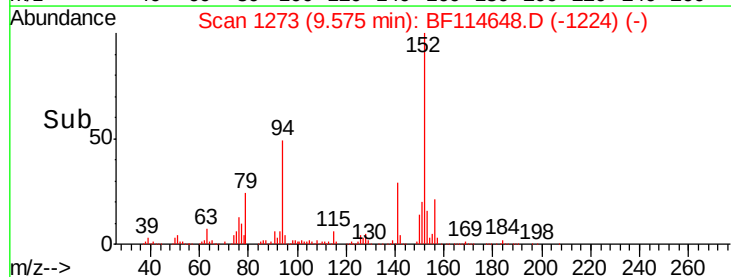
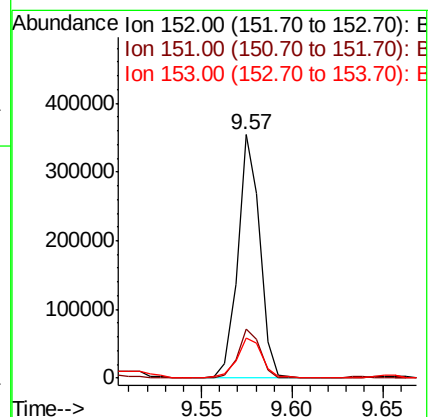
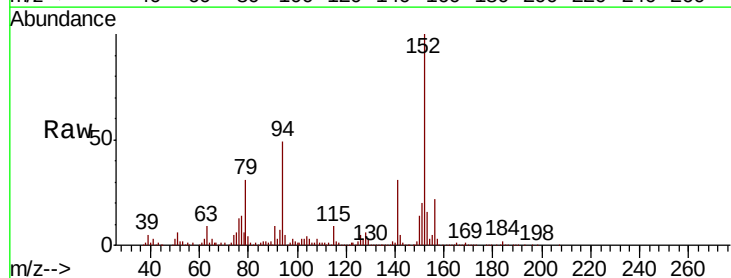
Manual Integrations
APPROVED

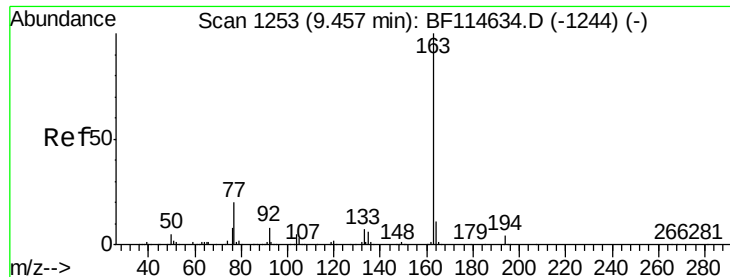
mohammad
5/30/2019 12:48:01 PM



#49
Acenaphthylene
Concen: 4.393 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.0	17.5	26.3	
153	16.5	11.6	17.4	





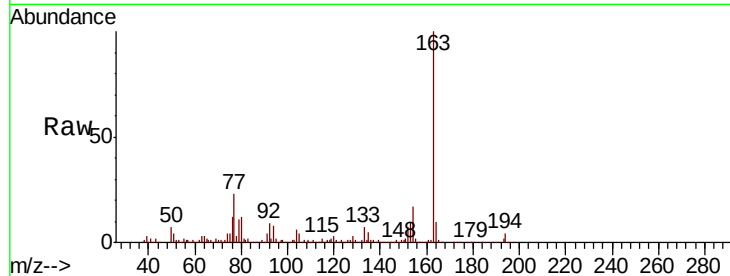
#50
Dimethylphthalate
Concen: 5.419 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampled :
B-14-11-12.0

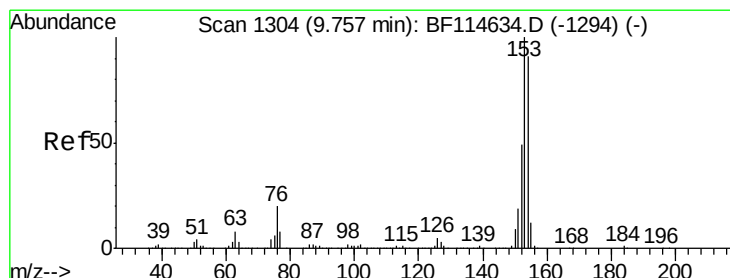
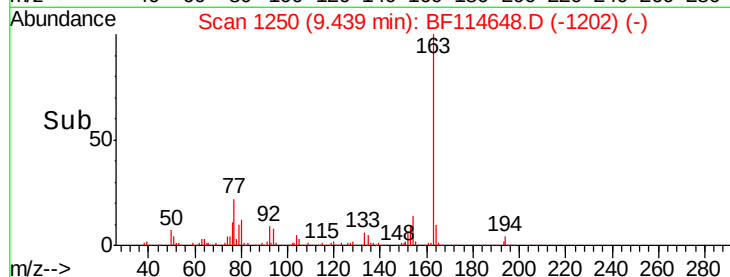
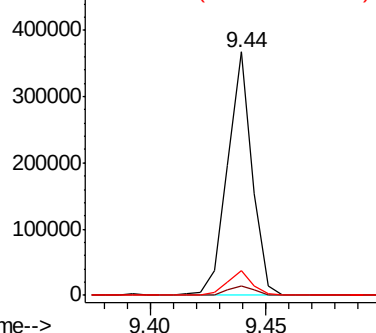
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.9		3.4	5.0	
164	10.0		8.6	13.0	

Manual Integrations
APPROVED

mohammad
5/30/2019 12:48:01 PM

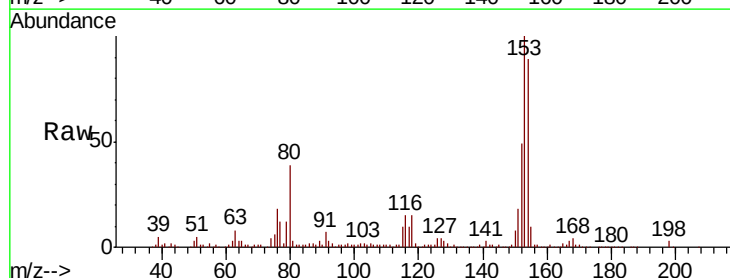


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

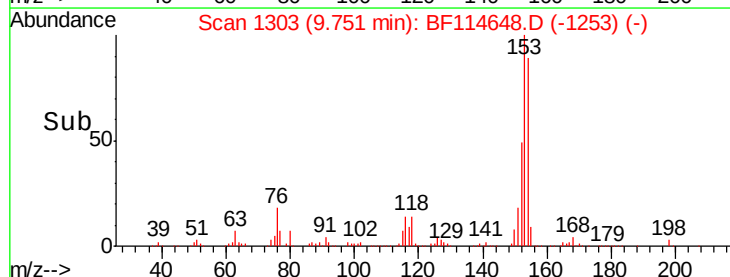
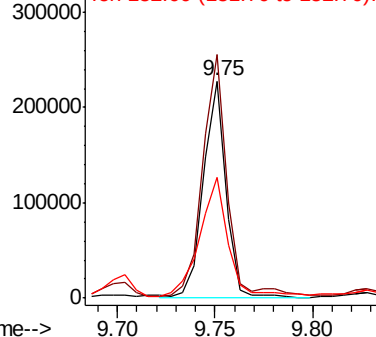


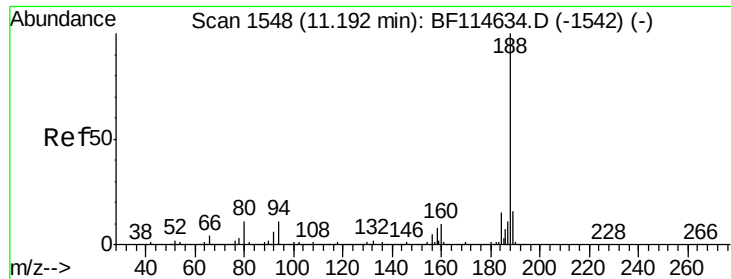
#52
Acenaphthene
Concen: 4.310 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	112.3		88.4	132.6	
152	55.6		43.4	65.0	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





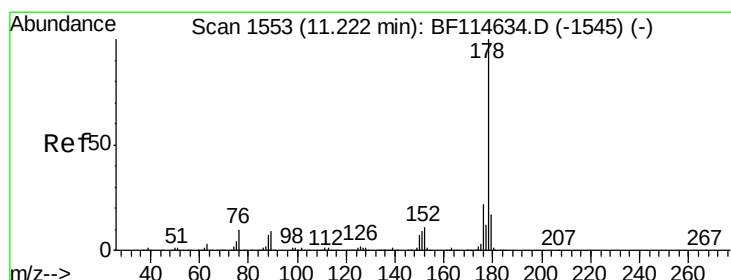
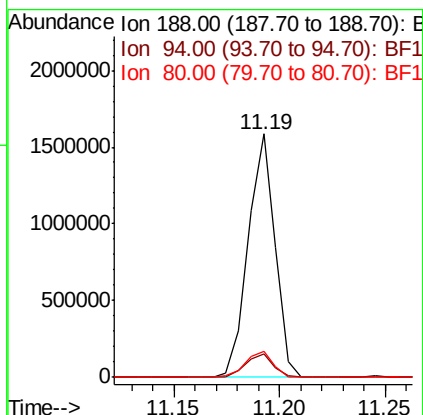
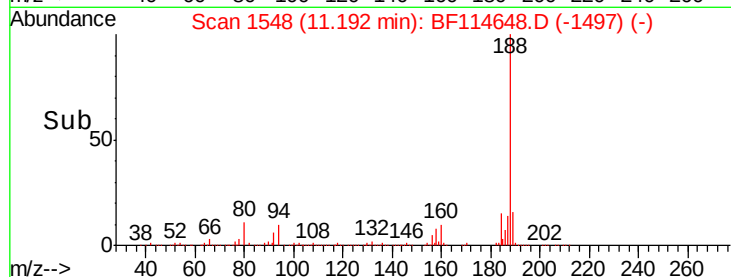
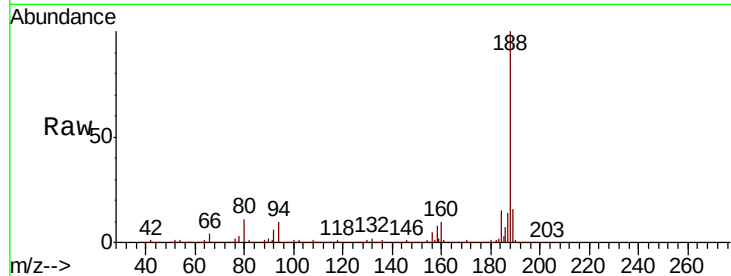
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.00 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampleId :
B-14-11-12.0

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	10.7	9.0	13.6

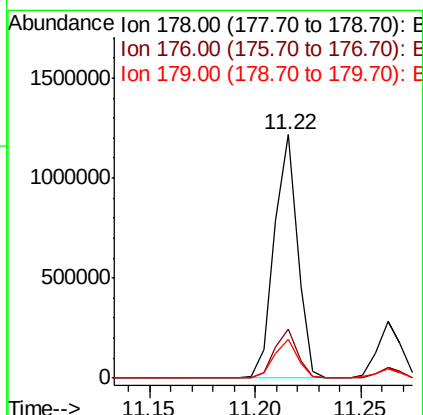
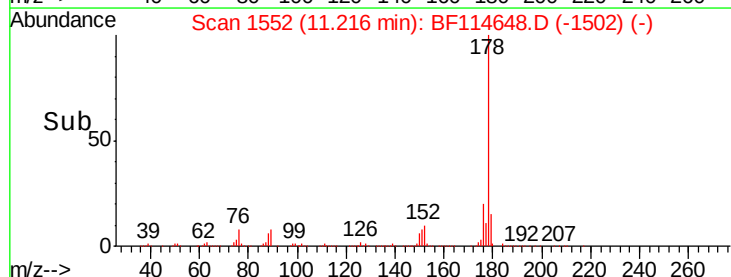
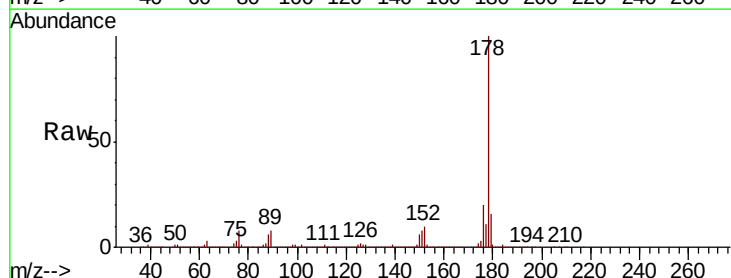
Manual Integrations
APPROVED

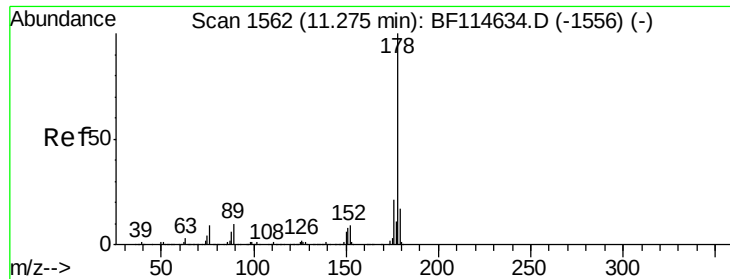
mohammad
5/30/2019 12:48:01 PM



#71
Phenanthrene
Concen: 13.130 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.2	25.8
179	15.8	13.9	20.9





#72

Anthracene

Concen: 3.010 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

Instrument :

BNA_F

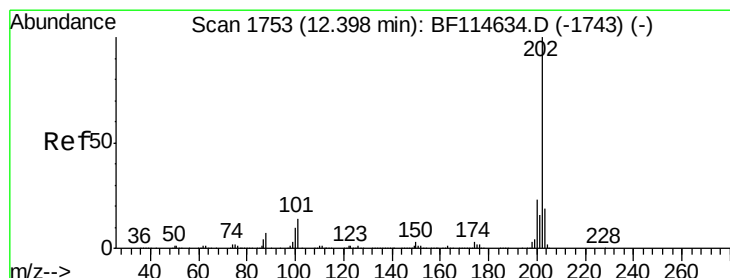
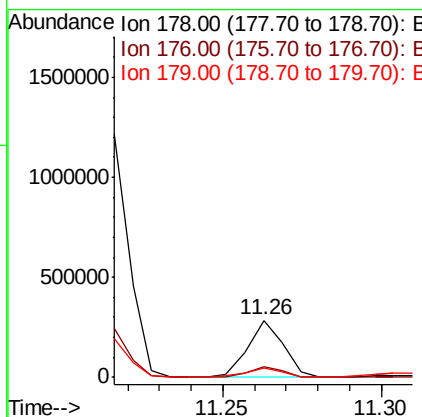
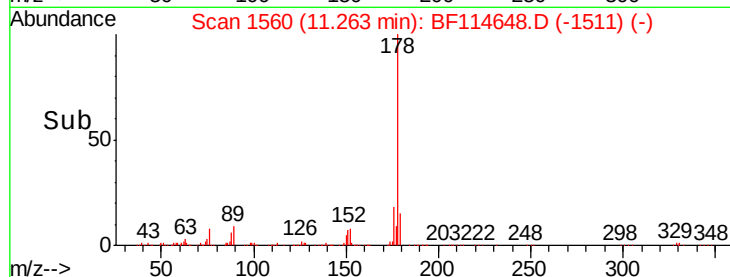
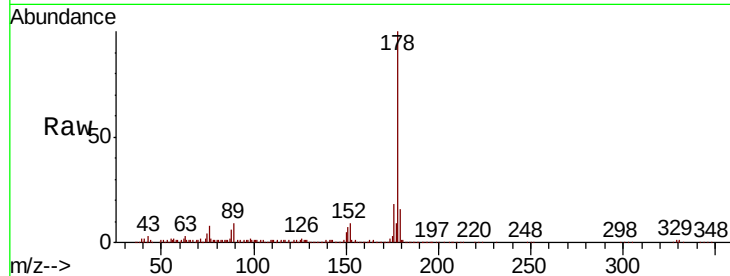
ClientSampleId :

B-14-11-12.0

Tot Ion:	178	Resp:	217312
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.6	24.8
179	15.7	13.4	20.0

Manual Integrations
APPROVED

mohammad
5/30/2019 12:48:01 PM



#75

Fluoranthene

Concen: 5.074 ng

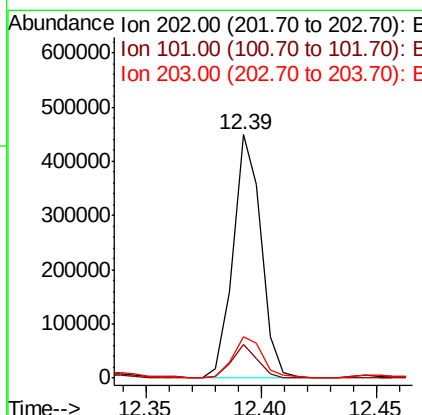
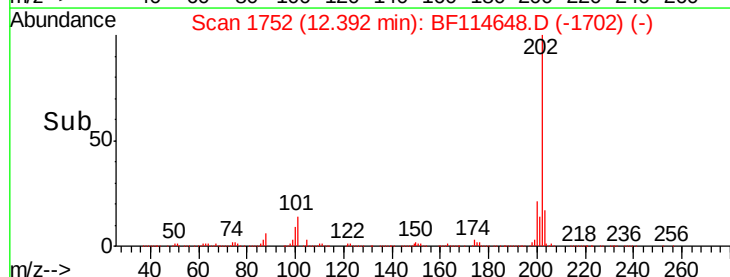
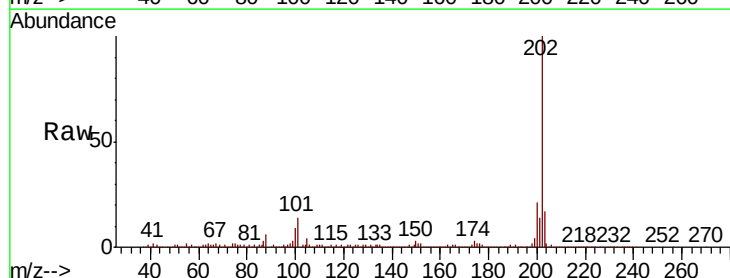
RT: 12.39 min Scan# 1752

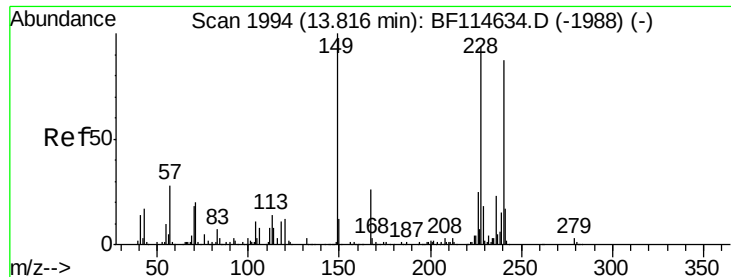
Delta R.T. -0.00 min

Lab File: BF114648.D

Acq: 30 May 2019 1:50

Tgt Ion:	202	Resp:	374798
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.9
203	17.2	0.0	39.1





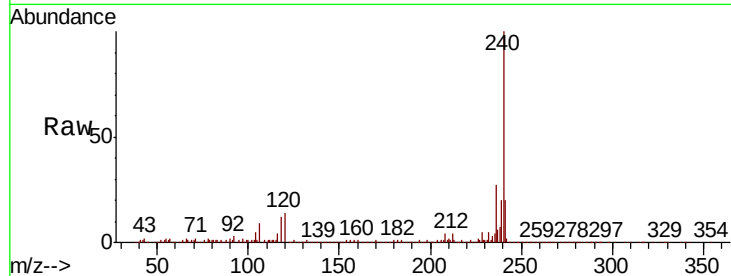
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampled :
B-14-11-12.0

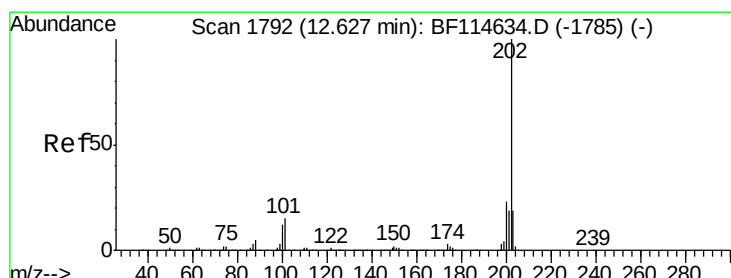
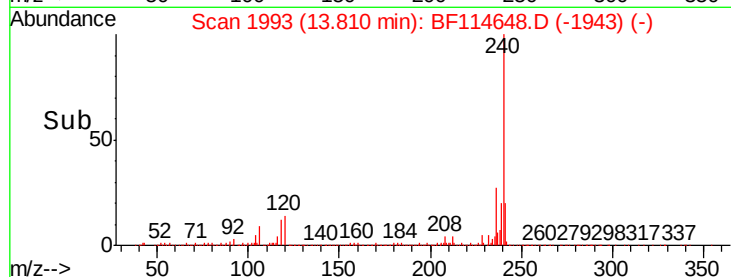
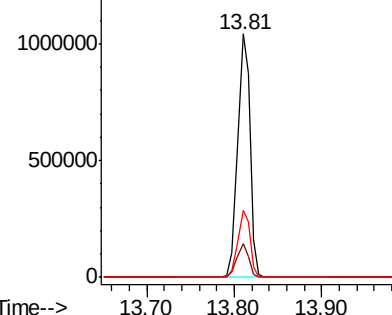
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	11.2	16.8
236	27.3	21.2	31.8

Manual Integrations
APPROVED

mohammad
5/30/2019 12:48:01 PM

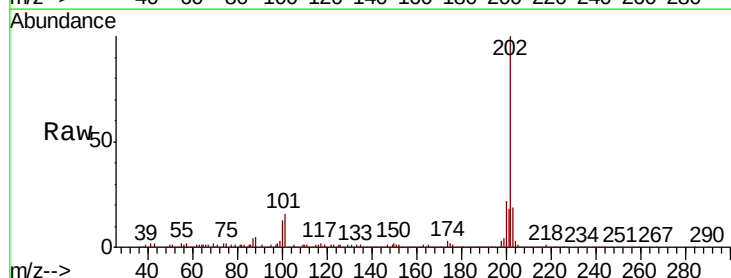


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

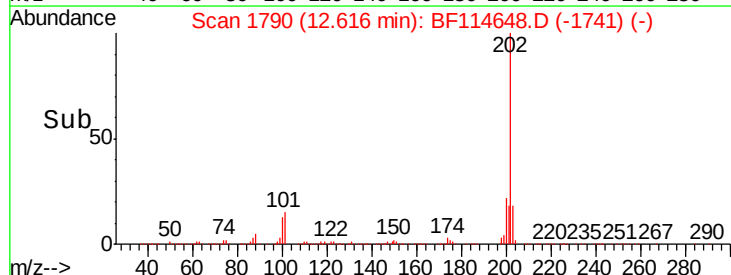
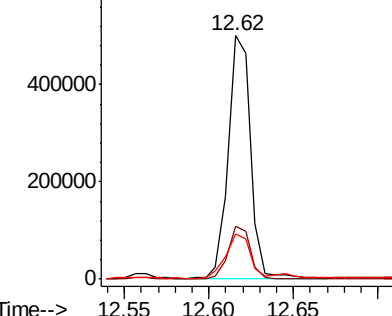


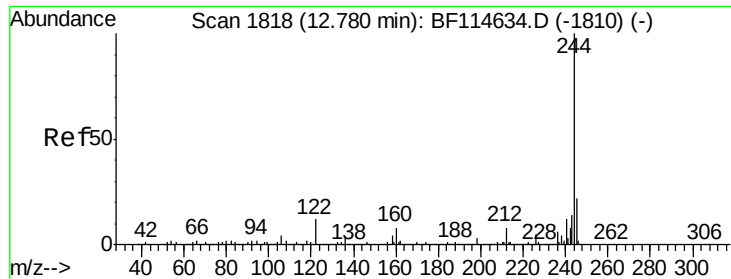
#78
Pyrene
Concen: 5.628 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.6	28.0
203	18.8	15.4	23.2



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





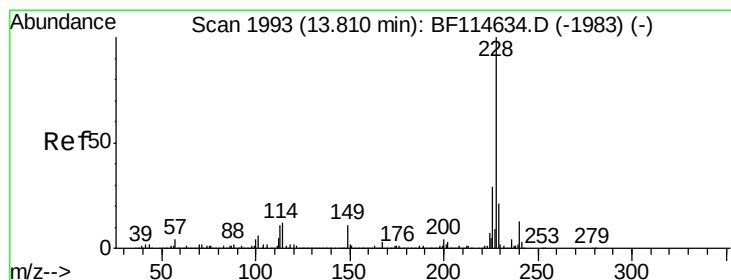
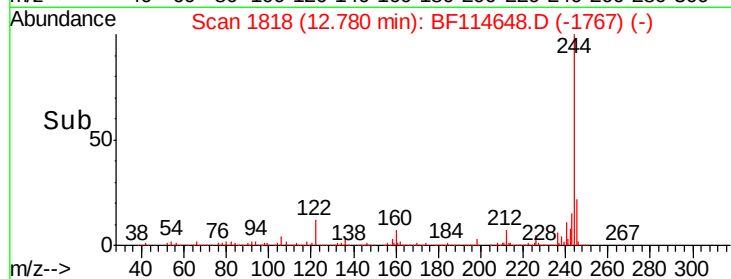
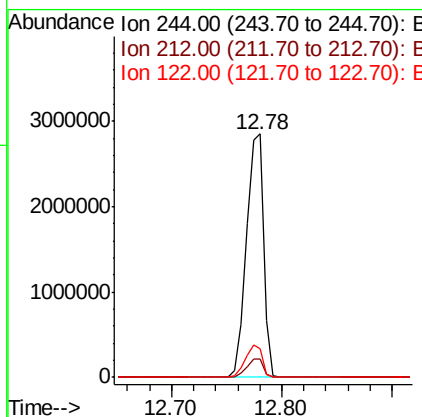
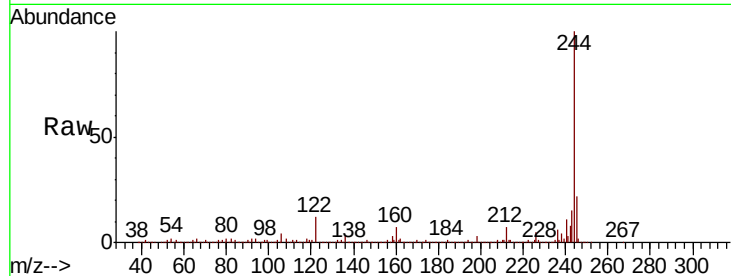
#79
 Terphenyl-d14
 Concen: 61.218 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BF114648.D
 Acq: 30 May 2019 1:50

Instrument :
 BNA_F
 ClientSampleId :
 B-14-11-12.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	11.6	9.8	14.8

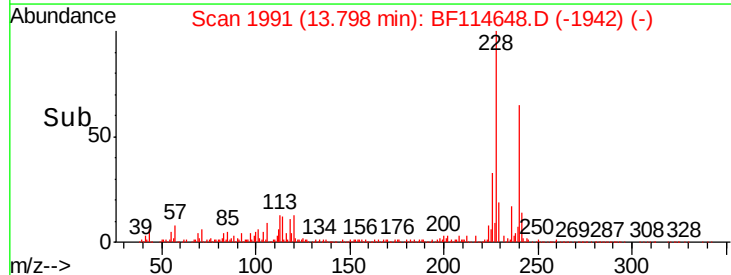
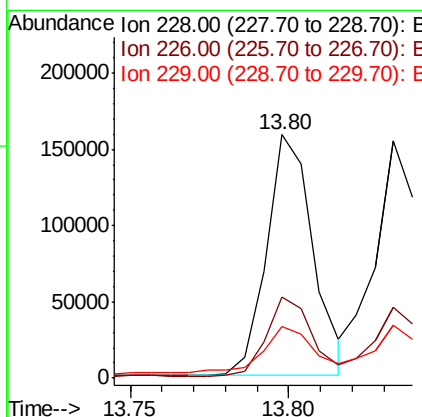
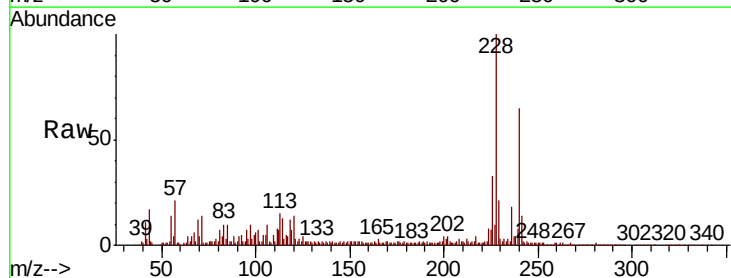
Manual Integrations
 APPROVED

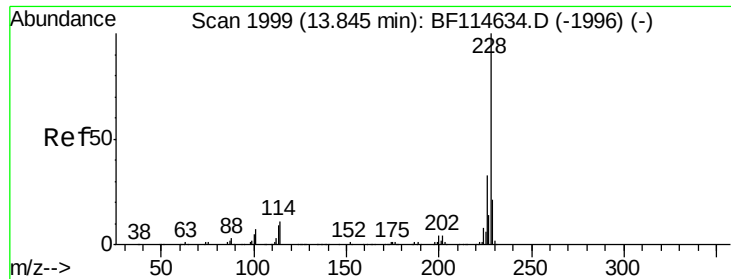
mohammad
 5/30/2019 12:48:01 PM



#81
 Benzo(a)anthracene
 Concen: 2.188 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BF114648.D
 Acq: 30 May 2019 1:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	23.0	34.6
229	21.2	17.0	25.4





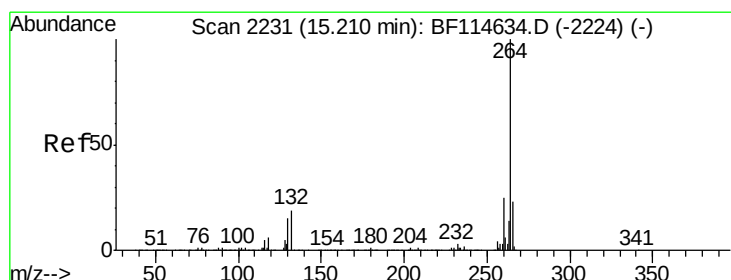
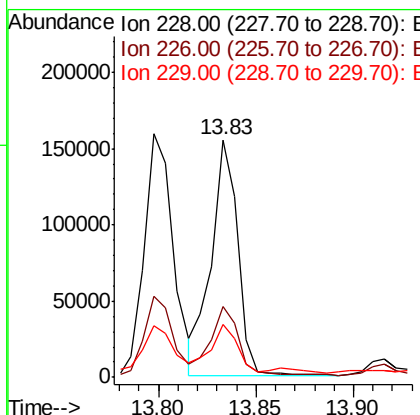
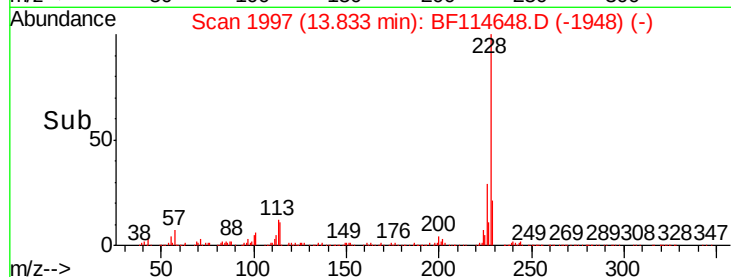
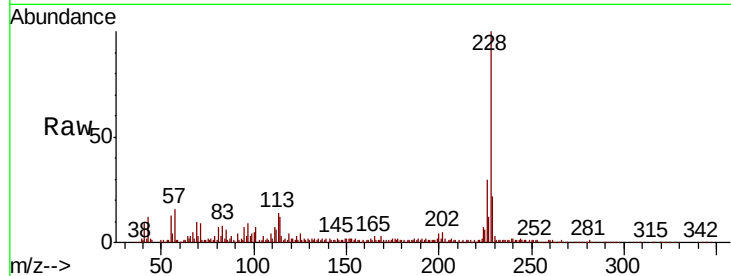
#83
Chrysene
Concen: 2.056 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Instrument :
BNA_F
ClientSampleId :
B-14-11-12.0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.8	26.4	39.6		
229	22.2	17.1	25.7		

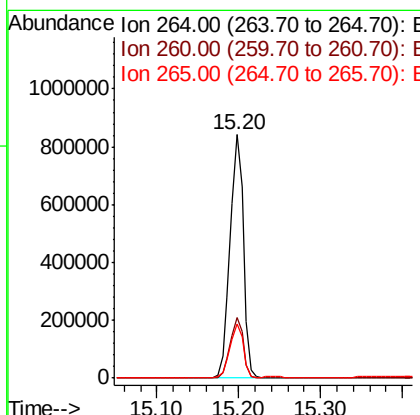
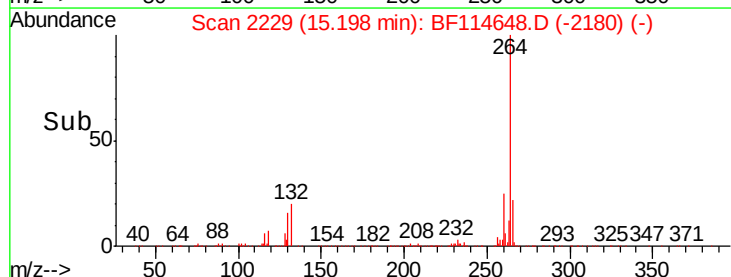
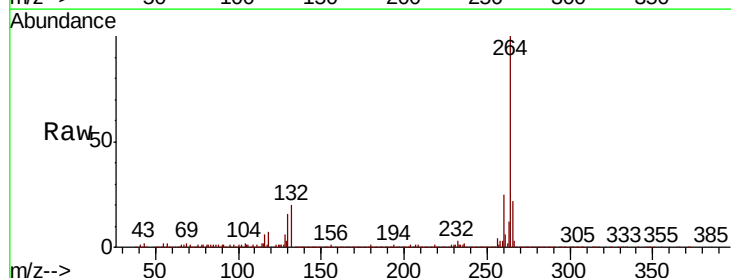
Manual Integrations
APPROVED

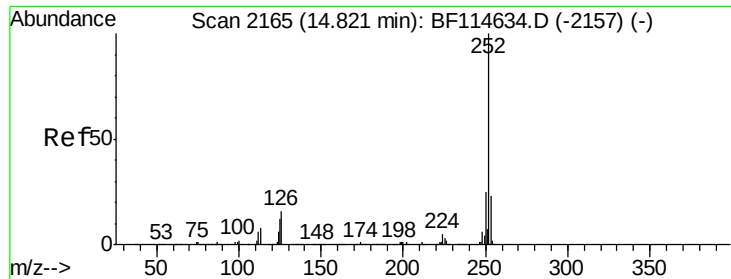
mohammad
5/30/2019 12:48:01 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF114648.D
Acq: 30 May 2019 1:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.9	19.7	29.5		
265	22.4	18.1	27.1		





#88
 Benzo(b)fluoranthene
 Concen: 2.068 ng/ml
 RT: 14.81 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: BF114648.D
 Acq: 30 May 2019 1:50

Instrument :
 BNA_F
 ClientSampleId :
 B-14-11-12.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	18.6	9.4	14.2

Manual Integrations
 APPROVED

mohammad
 5/30/2019 12:48:01 PM

