

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115882.D
 Acq On : 31 Jul 2019 22:33
 Operator : HP/JU
 Sample : K4066-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:07:09 PM

Quant Time: Aug 01 07:51:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	132842	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	487457	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	229318	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	335516	20.00	ng	0.00
76) Chrysene-d12	14.02	240	296860	20.00	ng	0.00
87) Perylene-d12	15.49	264	323144	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	780897	98.41	ng	0.01
7) Phenol-d6	6.49	99	1007169	100.60	ng	0.00
23) Nitrobenzene-d5	7.41	82	618744	73.27	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	193319	86.95	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	930087	75.97	ng	0.00
79) Terphenyl-d14	12.96	244	762213	54.10	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	146654	9.392	ng	98
71) Phenanthrene	11.40	178	94017	5.481	ng	97
75) Fluoranthene	12.59	202	598014	33.303	ng	99
78) Pyrene	12.82	202	635129	28.382	ng	99
81) Benzo(a)anthracene	14.01	228	389480	20.527	ng	99
83) Chrysene	14.04	228	337384	18.315	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	185500	11.990	ng	96
88) Benzo(b)fluoranthene	15.06	252	534794m	28.622	ng	
89) Benzo(k)fluoranthene	15.09	252	166837m	9.167	ng	
90) Benzo(a)pyrene	15.43	252	384264	23.006	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	44519m	3.079	ng	
92) Benzo(a,h,i)perylene	17.41	276	180177	12.689	ng	98

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

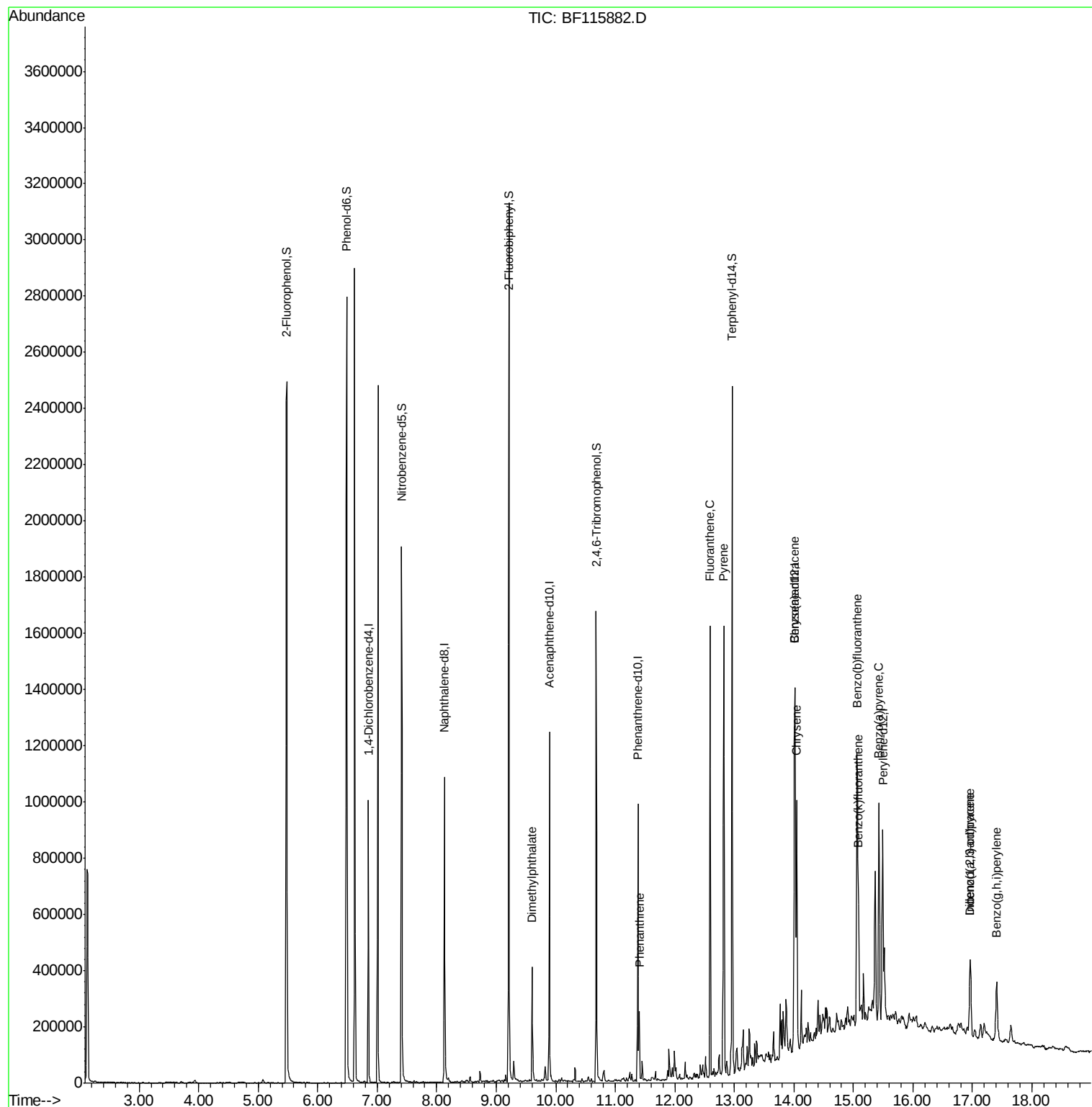
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115882.D
Acq On : 31 Jul 2019 22:33
Operator : HP/JU
Sample : K4066-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

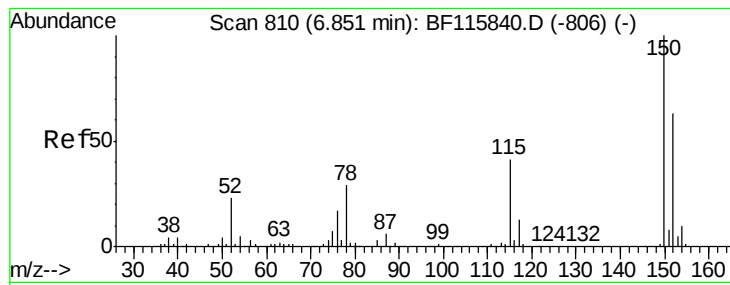
Instrument :
BNA_F
ClientSampleId :
TP-13

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 PM

Quant Time: Aug 01 07:51:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration





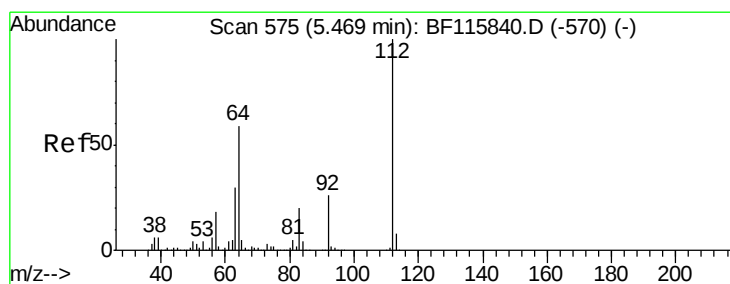
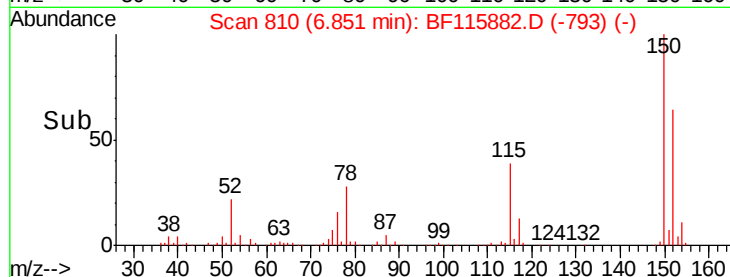
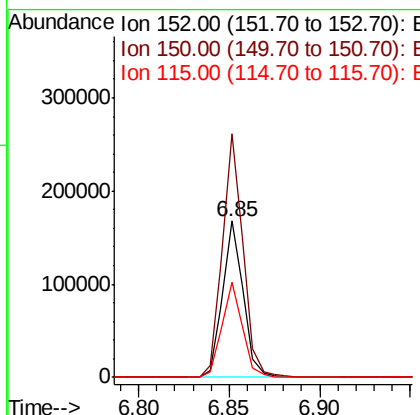
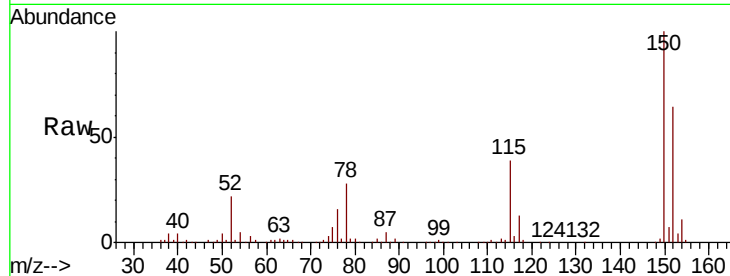
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.4	191.0
115	61.3	51.8	77.8

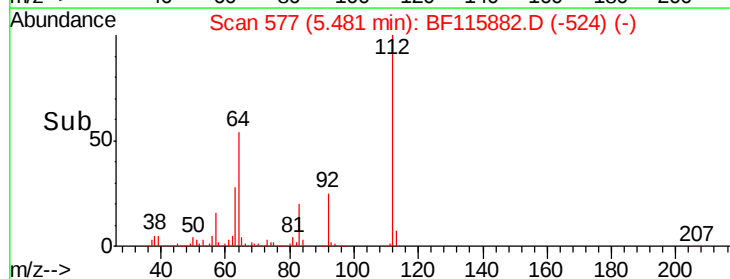
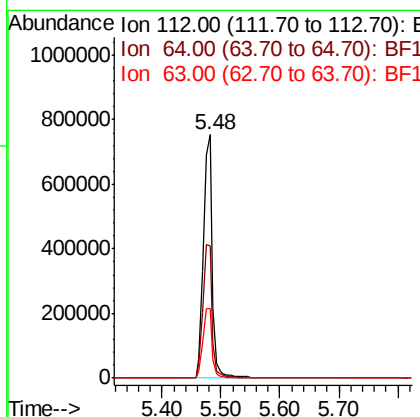
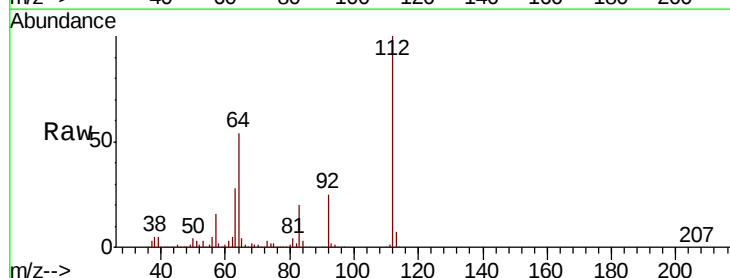
Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:07:09 PM



#5
 2-Fluorophenol
 Concen: 98.408 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.8	70.2
63	28.5	24.2	36.2





#7

Phenol-d6

Concen: 100.598 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

ClientSampleId :

TP-13

Tot Ion: 99 Resp: 1007169

Ion Ratio Lower Upper

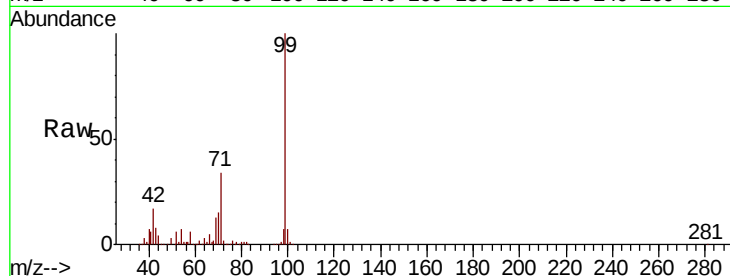
99 100

42 17.0 13.8 20.6

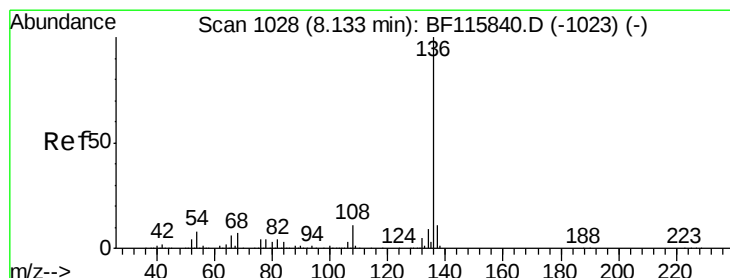
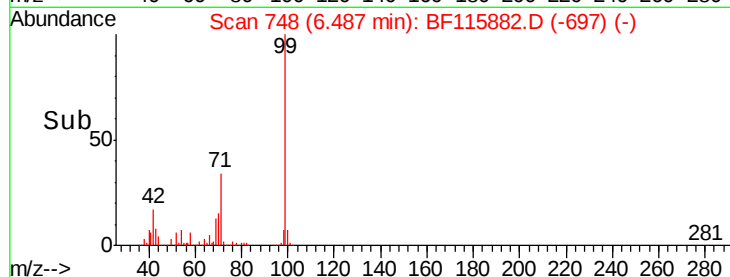
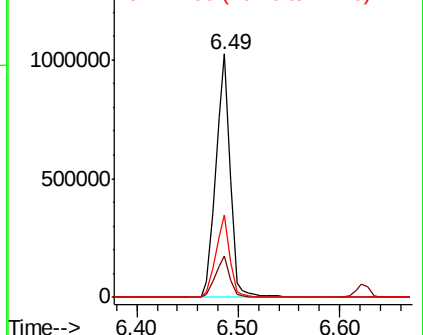
71 33.9 27.1 40.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Tgt Ion: 136 Resp: 487457

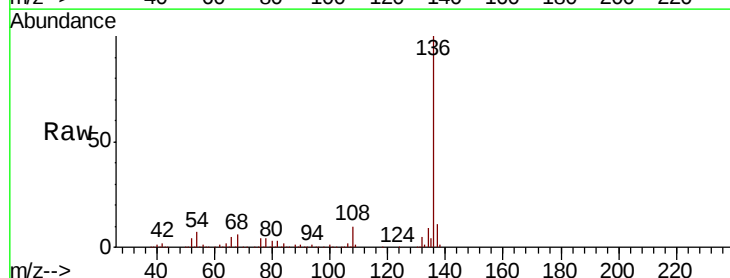
Ion Ratio Lower Upper

136 100

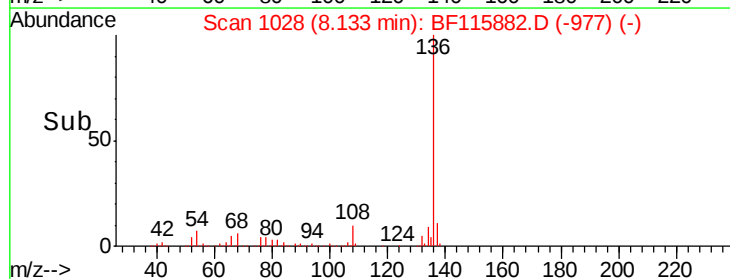
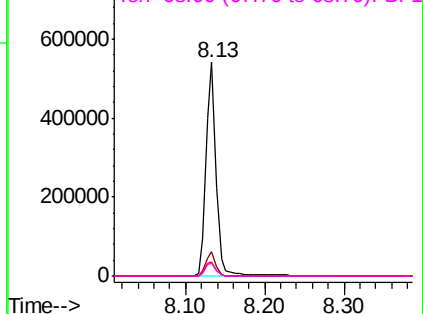
137 11.4 9.1 13.7

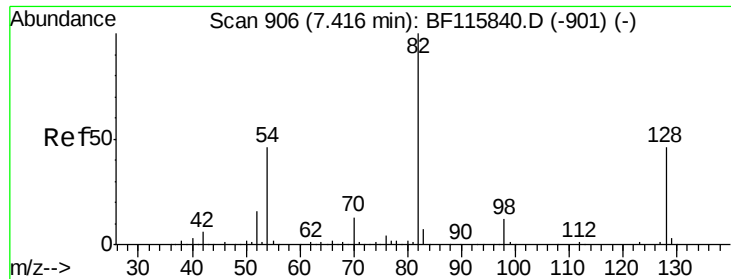
54 6.8 6.1 9.1

68 6.0 5.4 8.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





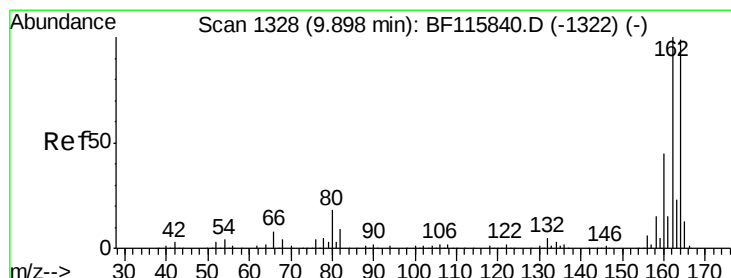
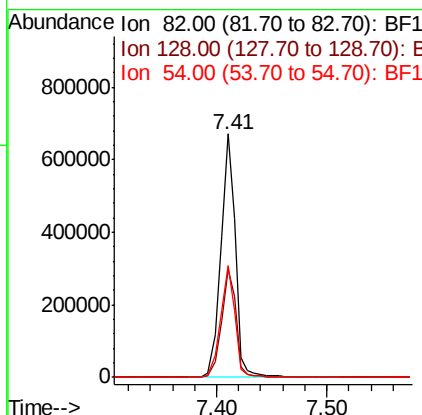
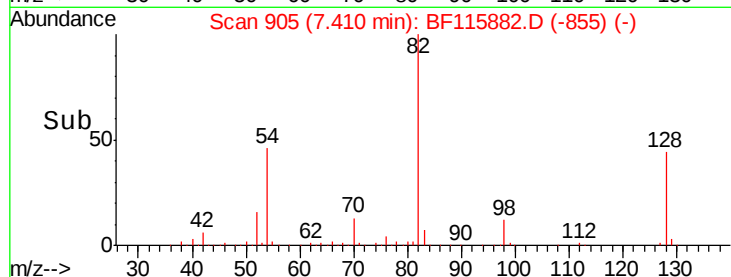
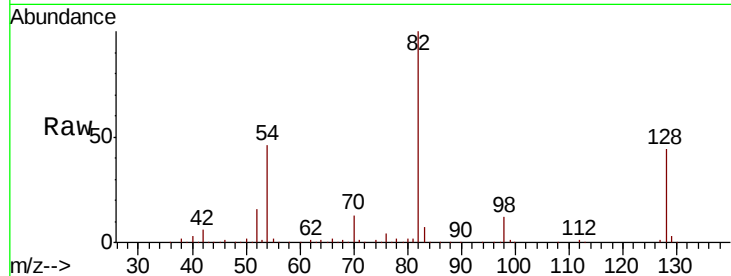
#23
 Nitrobenzene-d5
 Concen: 73.270 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Instrument :
 BNA_F
 ClientSampled :
 TP-13

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.6	55.0
54	45.8	36.6	55.0

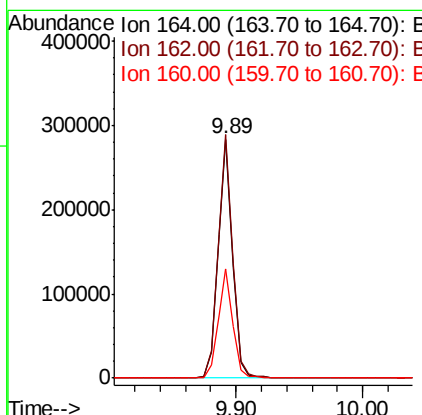
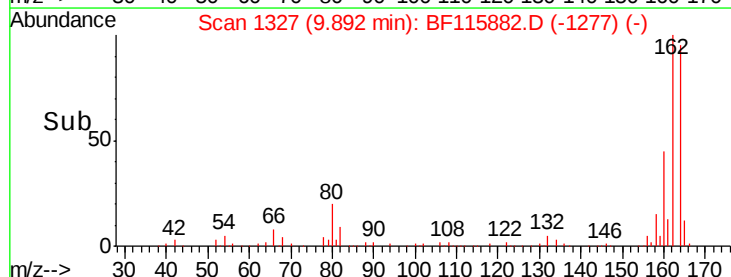
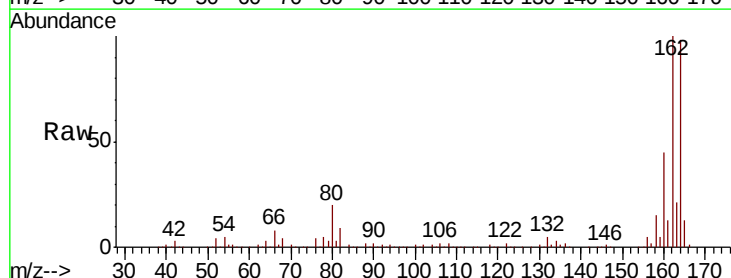
Manual Integrations
 APPROVED

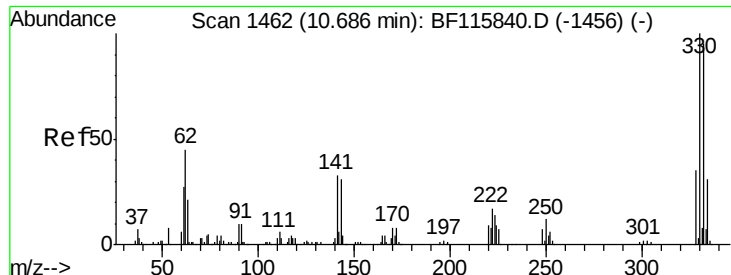
mohammad
 8/1/2019 5:07:09 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.8	121.2
160	46.0	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 86.951 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

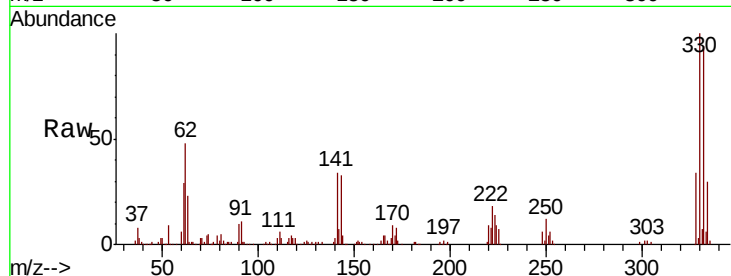
ClientSampleId :

TP-13

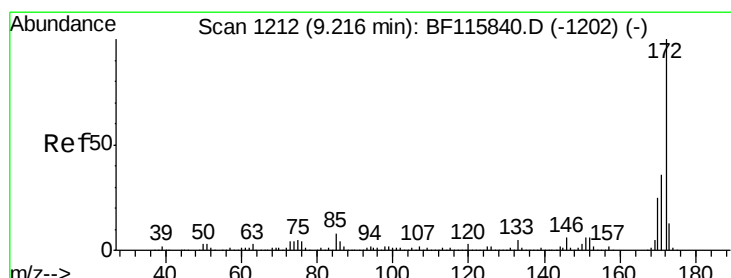
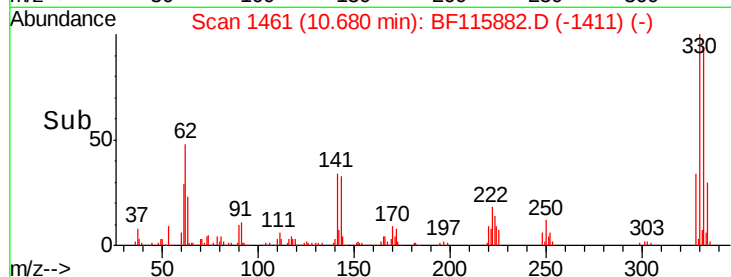
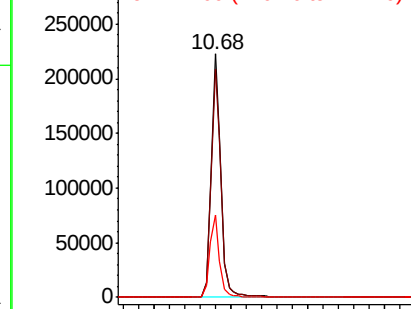
Tot Ion:	330	Resp:	193319
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.7	116.5
141	34.6	28.1	42.1

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 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: 75.970 ng

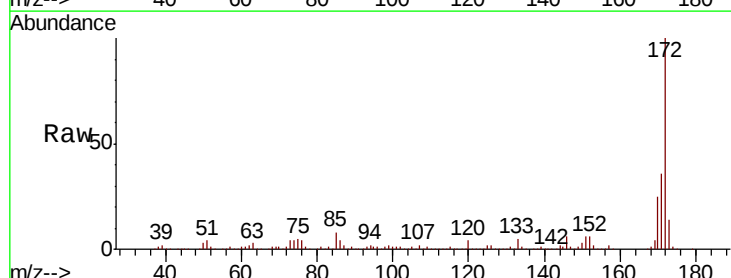
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

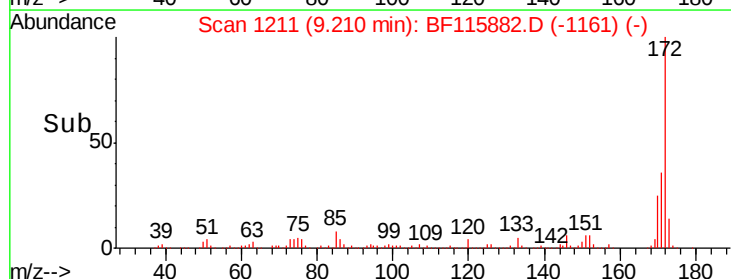
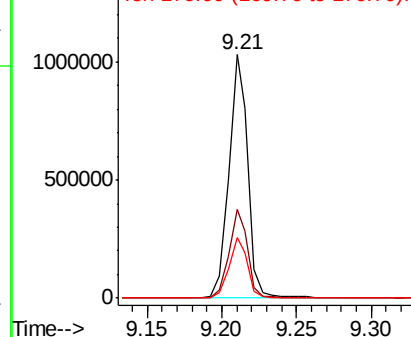
Lab File: BF115882.D

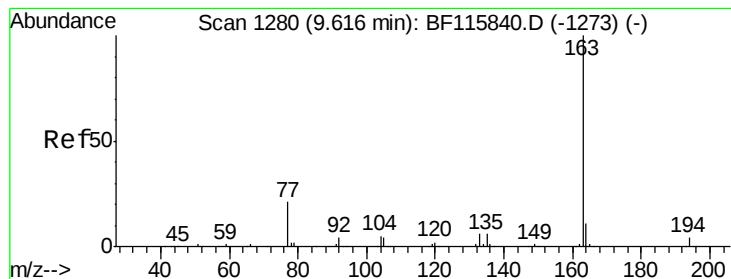
Acq: 31 Jul 2019 22:33

Tgt Ion:	172	Resp:	930087
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.1	43.7
170	24.7	20.1	30.1



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





#50

Dimethylphthalate

Concen: 9.392 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

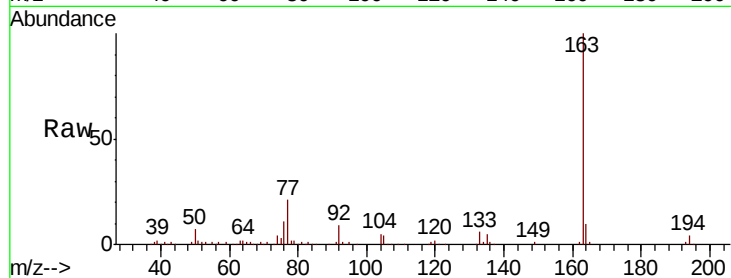
ClientSampleId :

TP-13

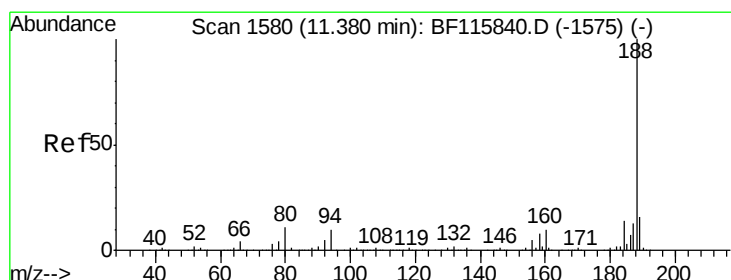
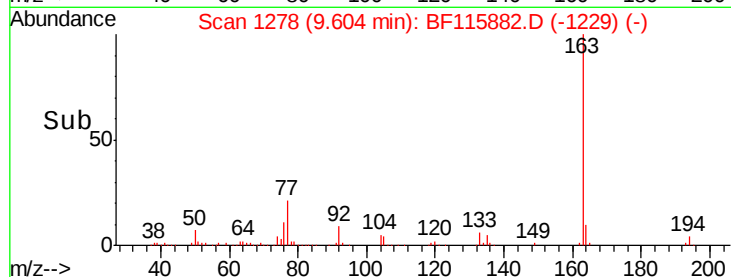
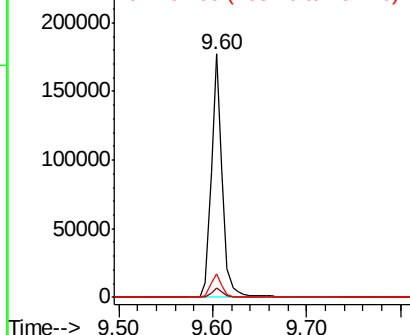
Tot Ion:	163	Resp:	146654
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	9.8	8.4	12.6

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 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



#64

Phenanthrene-d10

Concen: 20.000 ng

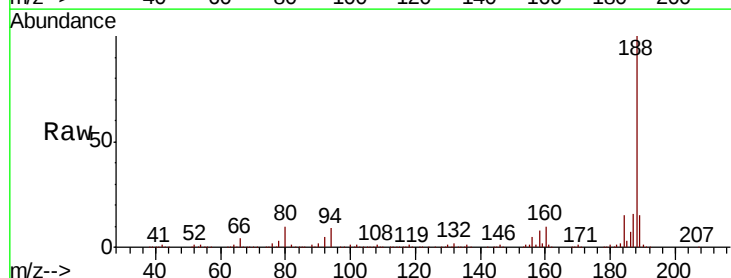
RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

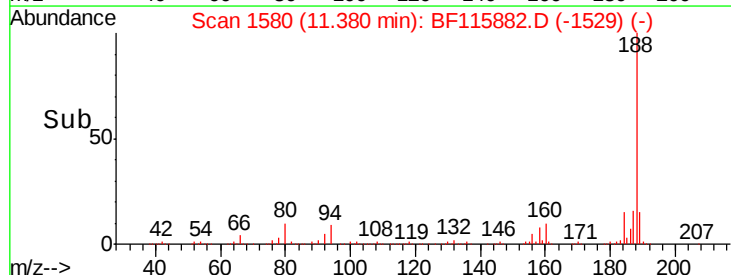
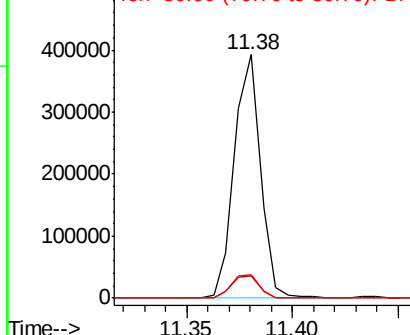
Lab File: BF115882.D

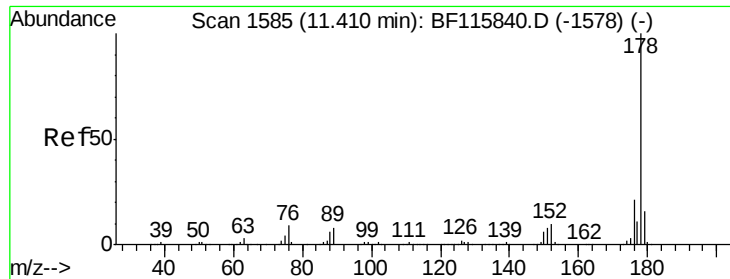
Acq: 31 Jul 2019 22:33

Tgt Ion:	188	Resp:	335516
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.0	12.0
80	9.7	8.6	12.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





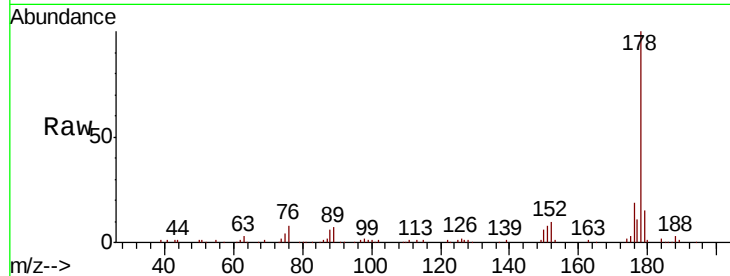
#71
Phenanthrene
Concen: 5.481 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
TP-13

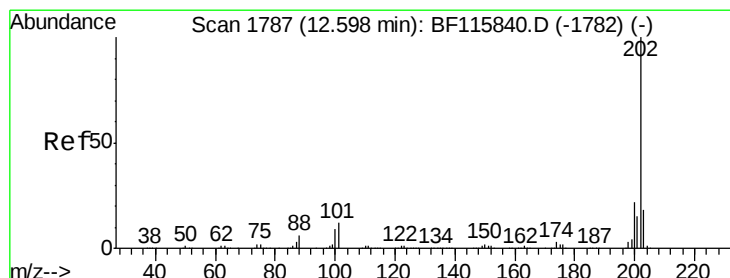
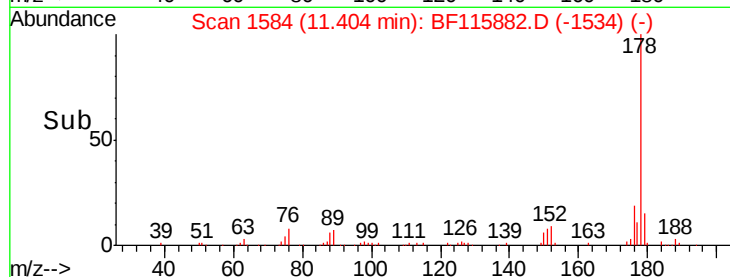
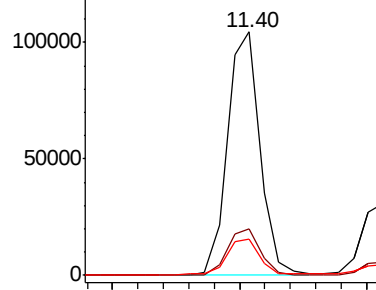
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.5	24.7
179	14.8	12.6	18.8

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 PM

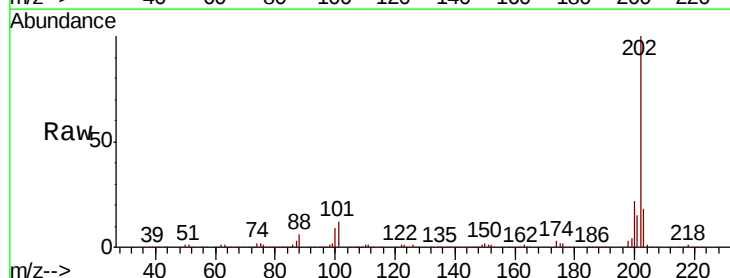


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

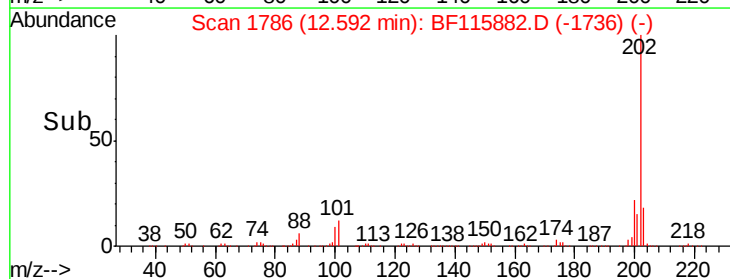
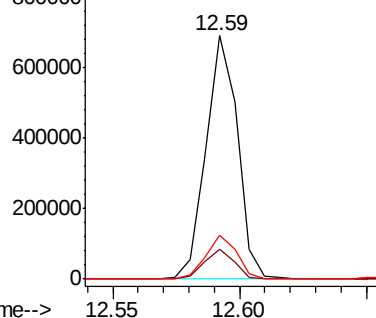


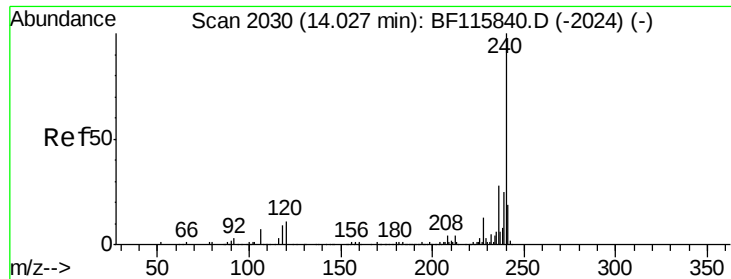
#75
Fluoranthene
Concen: 33.303 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	18.0	0.0	37.9



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





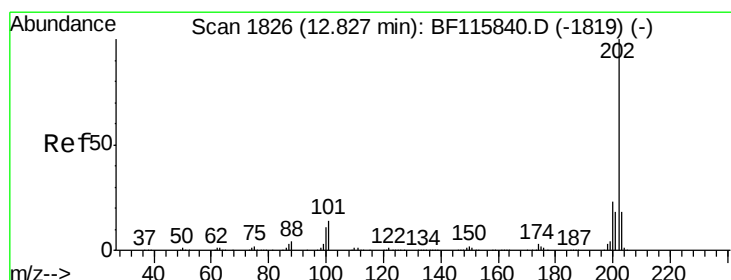
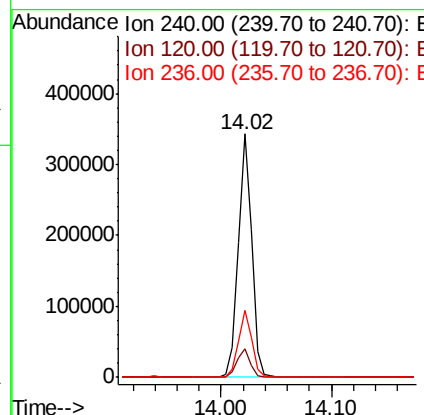
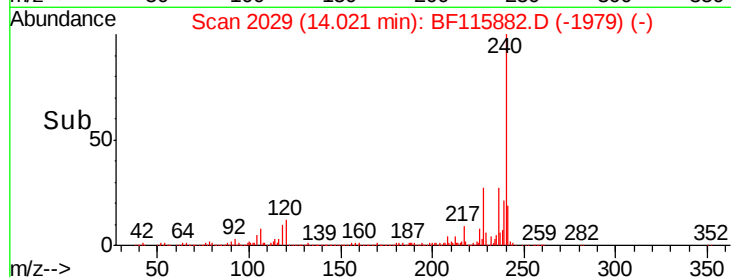
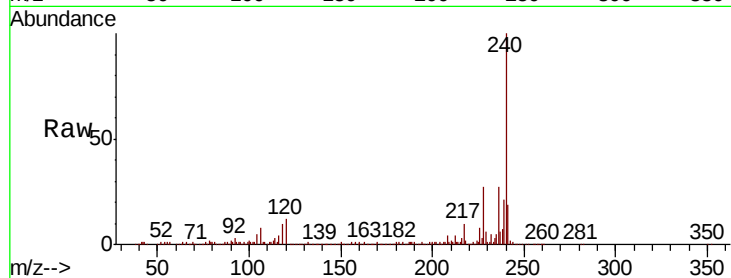
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
TP-13

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.5	12.7
236	27.3	22.2	33.2

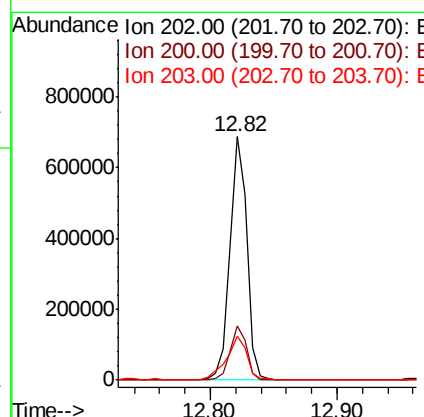
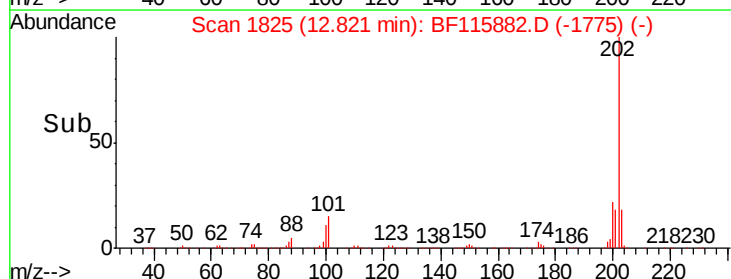
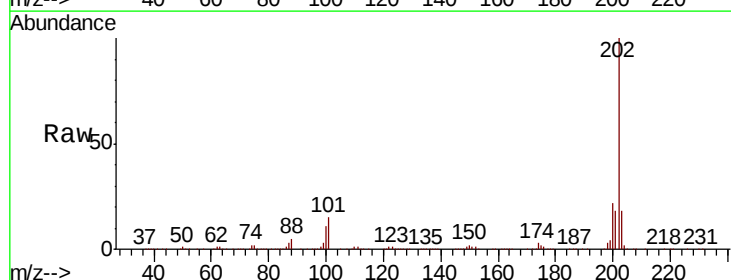
Manual Integrations
APPROVED

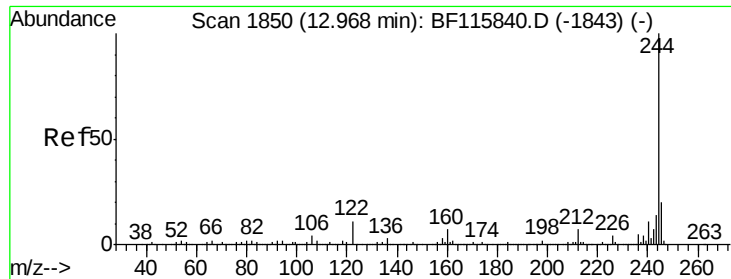
mohammad
8/1/2019 5:07:09 PM



#78
Pyrene
Concen: 28.382 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	18.2	27.2
203	18.2	14.3	21.5





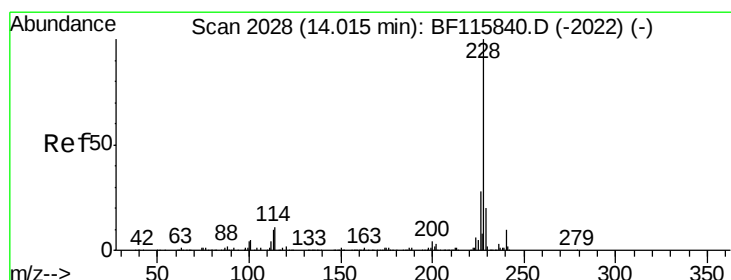
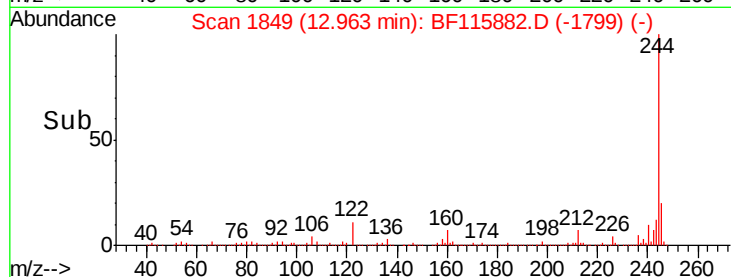
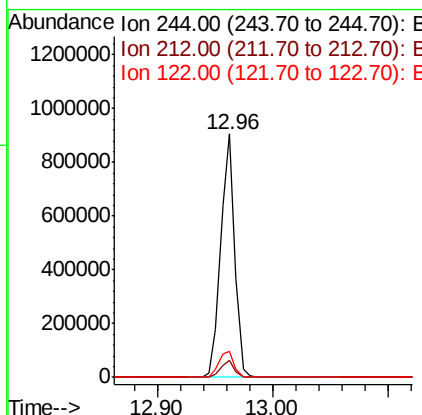
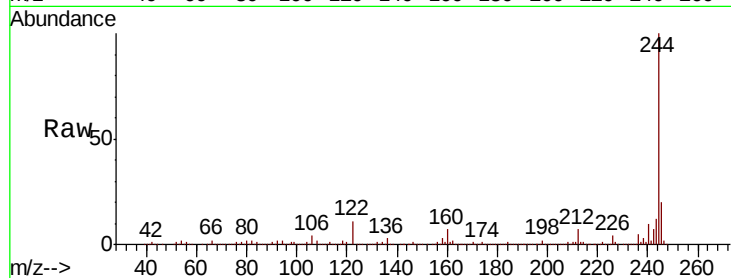
#79
 Terphenyl-d14
 Concen: 54.103 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	8.6	13.0

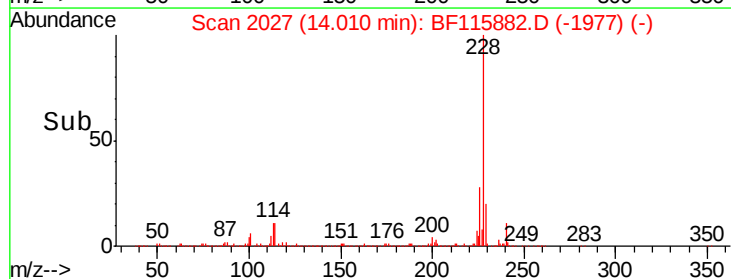
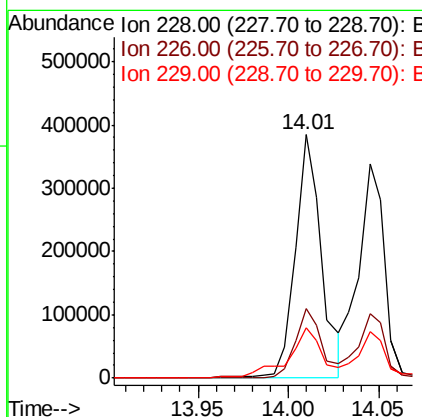
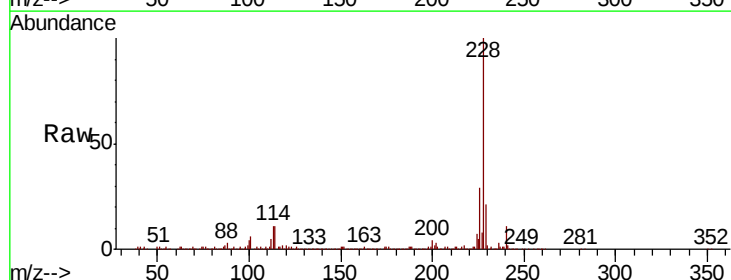
Manual Integrations
 APPROVED

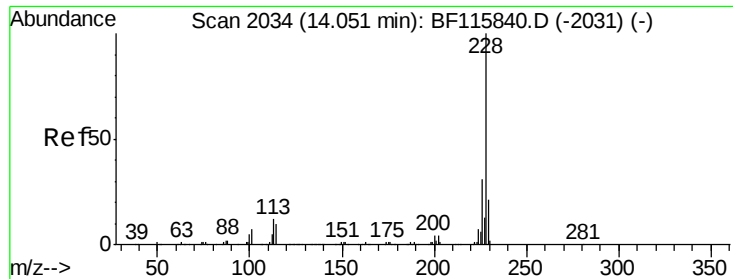
mohammad
 8/1/2019 5:07:09 PM



#81
 Benzo(a)anthracene
 Concen: 20.527 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF115882.D
 Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	20.6	16.1	24.1





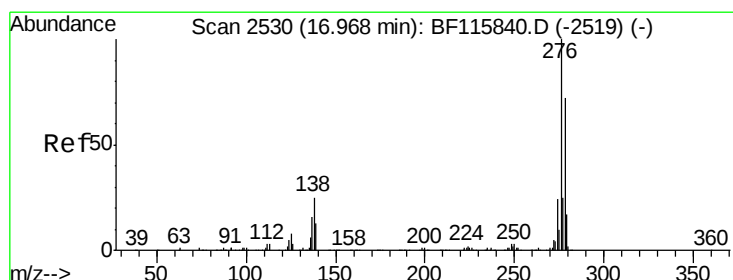
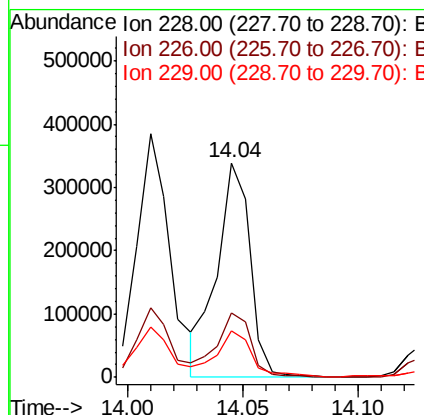
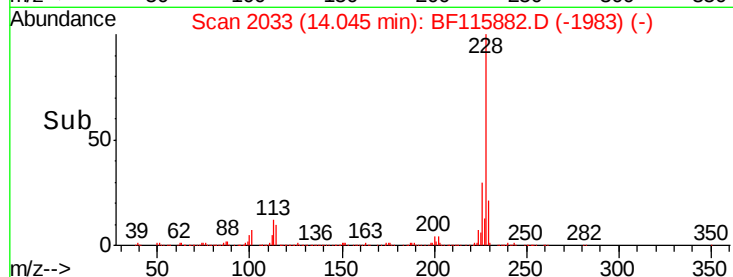
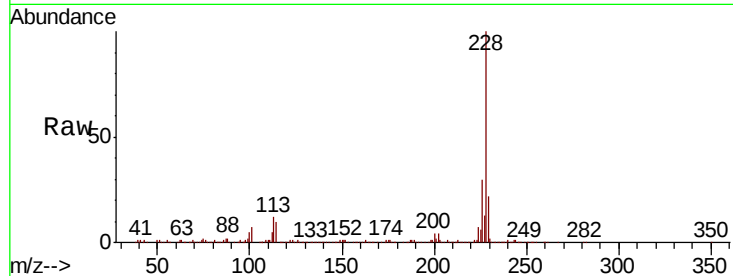
#83
Chrysene
Concen: 18.315 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampled :
TP-13

Tot Ion:	228	Resp:	337384
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.8	37.2
229	21.6	16.4	24.6

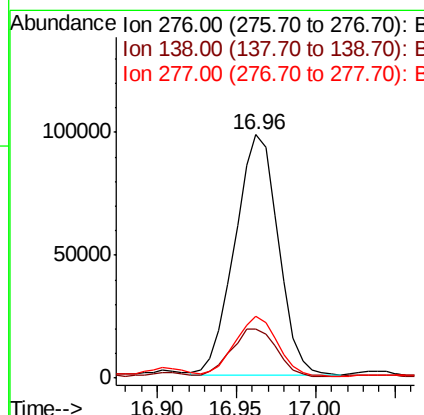
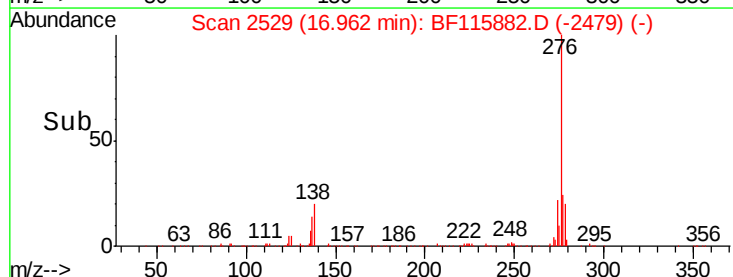
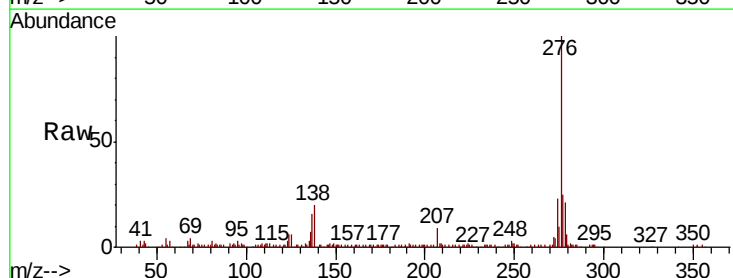
Manual Integrations
APPROVED

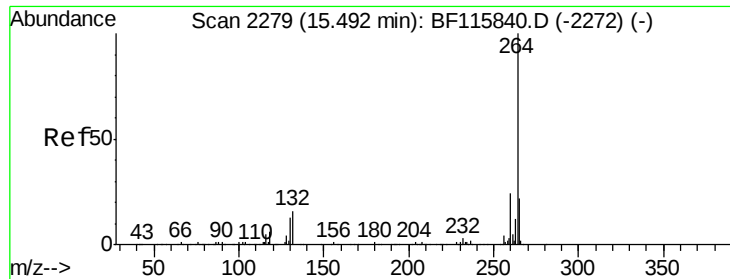
mohammad
8/1/2019 5:07:09 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 11.990 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion:	276	Resp:	185500
Ion Ratio	Lower	Upper	
276	100		
138	21.0	19.6	29.4
277	24.6	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

Instrument :

BNA_F

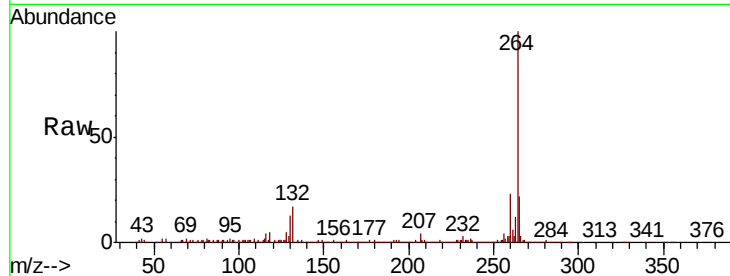
ClientSampleId :

TP-13

Tot Ion:	264	Resp:	323144
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.4	29.2
265	21.9	17.5	26.3

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 PM

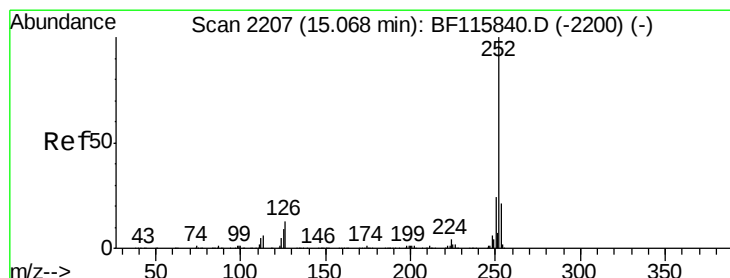
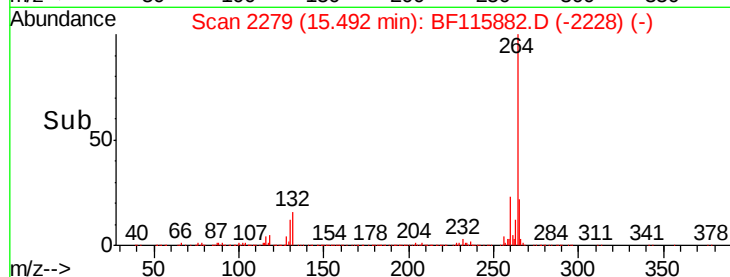
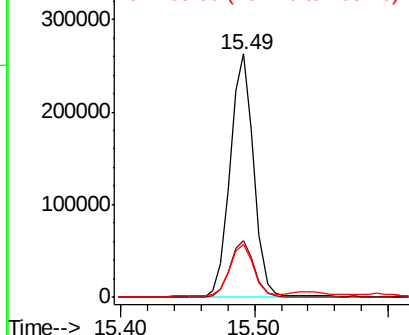


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 28.622 ng m

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF115882.D

Acq: 31 Jul 2019 22:33

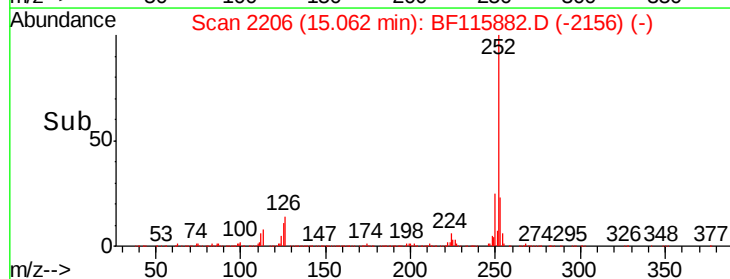
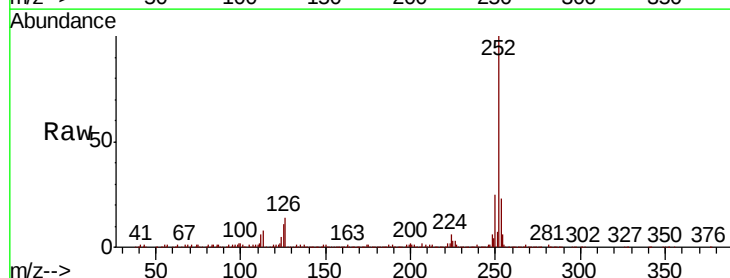
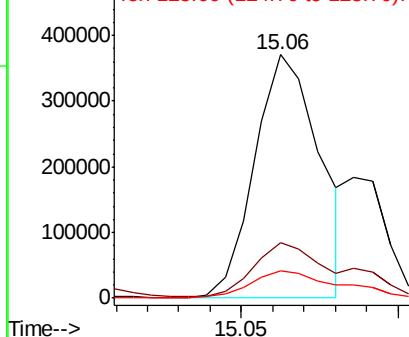
Tgt Ion:	252	Resp:	534794
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	11.2	7.4	11.0#

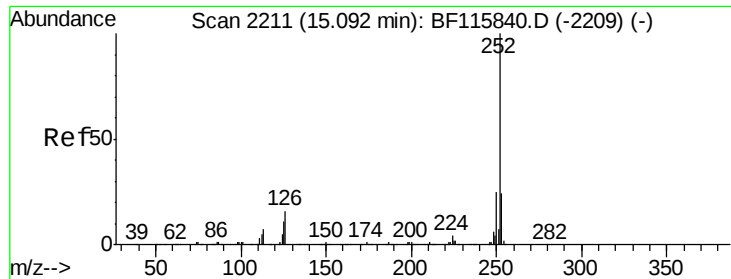
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





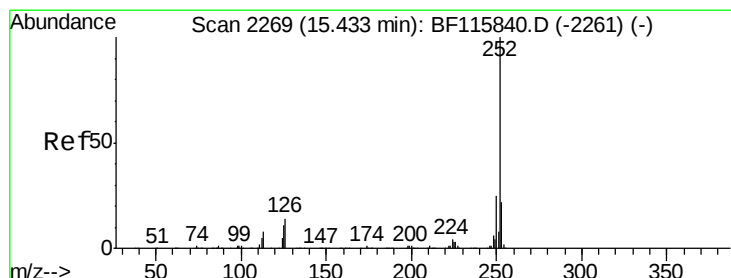
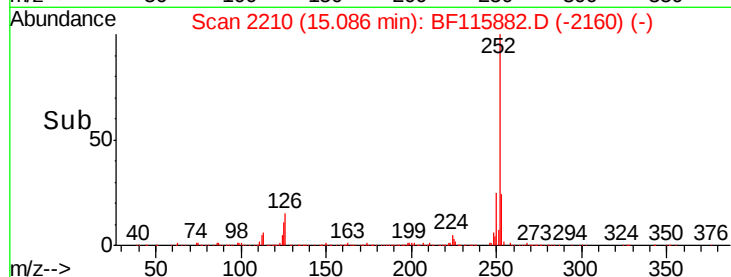
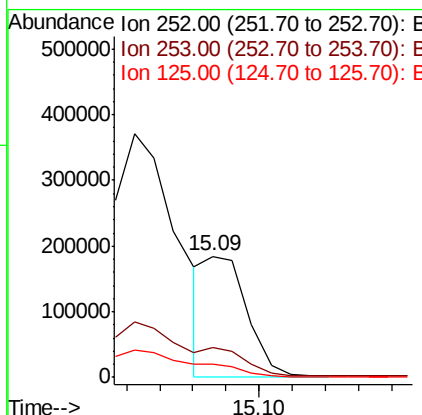
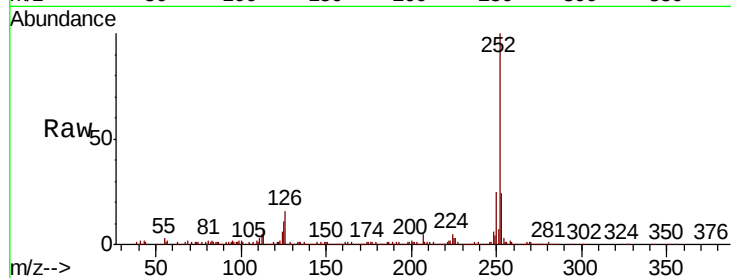
#89
Benzo(k)fluoranthene
Concen: 9.167 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
TP-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.4
125	11.3	8.9	13.3

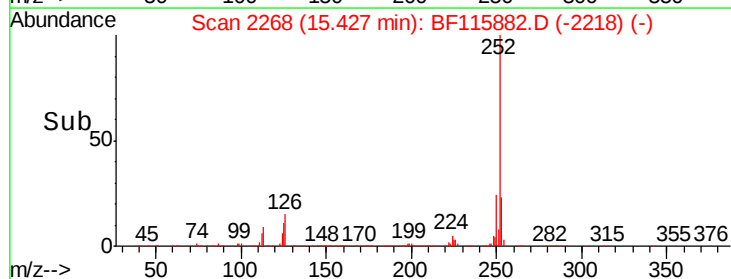
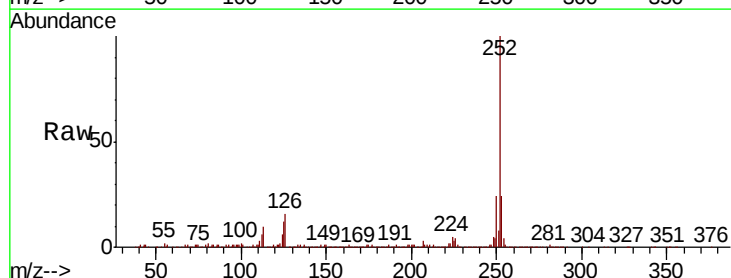
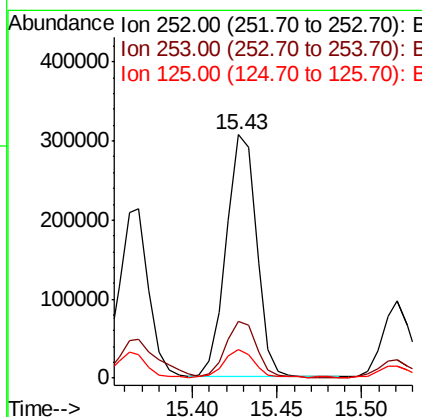
Manual Integrations
APPROVED

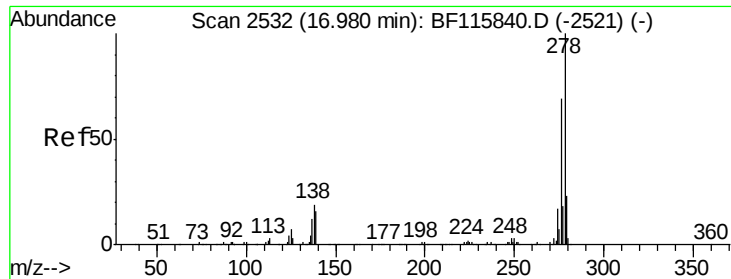
mohammad
8/1/2019 5:07:09 PM



#90
Benzo(a)pyrene
Concen: 23.006 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.9	8.8	13.2





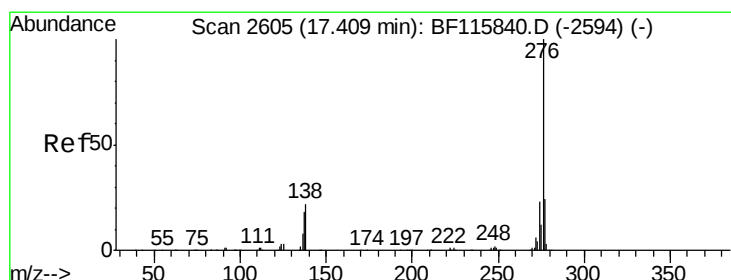
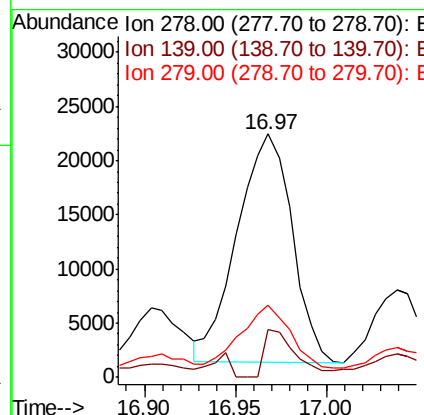
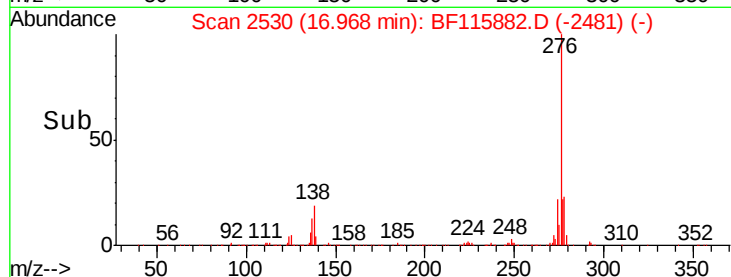
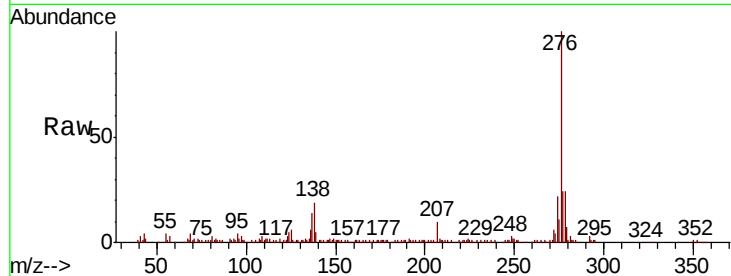
#91
Dibenzo(a,h)anthracene
Concen: 3.079 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Instrument :
BNA_F
ClientSampleId :
TP-13

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.7	12.6	19.0#
279	29.4	18.8	28.2#

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:09 PM



#92
Benzo(g,h,i)perylene
Concen: 12.689 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.00 min
Lab File: BF115882.D
Acq: 31 Jul 2019 22:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	20.7	17.8	26.8

