

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
 Data File : BF114744.D
 Acq On : 1 Jun 2019 9:34
 Operator : HP/JU
 Sample : K3097-23
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0443-PR-6(PASSAIC)

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:51:06 AM

Quant Time: Jun 03 02:03:29 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	6.69	152	385495	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1435919	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	704521	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1353882	20.00	ng	0.00
76) Chrysene-d12	13.81	240	854168	20.00	ng	0.00
87) Perylene-d12	15.20	264	907223	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	2642582	120.35	ng	0.02
7) Phenol-d6	6.33	99	3258186	123.14	ng	0.00
23) Nitrobenzene-d5	7.26	82	1977750	85.93	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	795494	118.50	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2837261	73.48	ng	0.00
79) Terphenyl-d14	12.77	244	2911594	64.09	ng	0.00
Target Compounds						
31) Naphthalene	7.99	128	371186	5.612	ng	95
50) Dimethylphthalate	9.44	163	550040	11.204	ng	99
71) Phenanthrene	11.22	178	435037	6.299	ng	96
72) Anthracene	11.26	178	153486	2.196	ng	97
75) Fluoranthene	12.40	202	423779	5.926	ng	95
78) Pyrene	12.62	202	420294	5.817	ng	96
81) Benzo(a)anthracene	13.80	228	171944m	2.620	ng	
83) Chrysene	13.83	228	174262	2.779	ng	94
88) Benzo(b)fluoranthene	14.81	252	162999m	2.853	ng	
90) Benzo(a)pyrene	15.14	252	137956	2.748	ng	# 96
92) Benzo(g,h,i)perylene	16.90	276	89506	2.079	ng	97

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

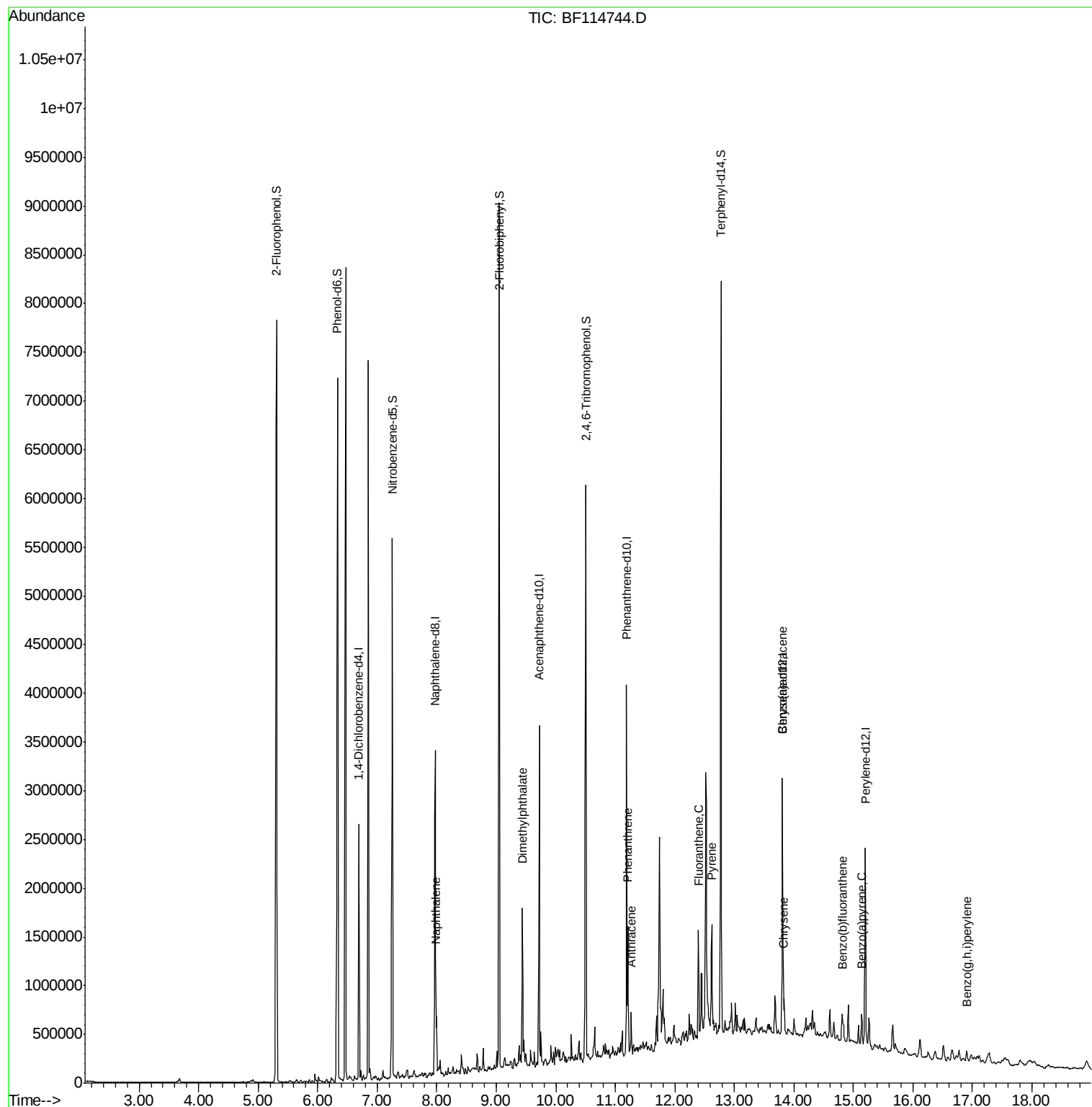
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060119\
Data File : BF114744.D
Acq On : 1 Jun 2019 9:34
Operator : HP/JU
Sample : K3097-23
Misc :
ALS Vial : 5 Sample Multiplier: 1

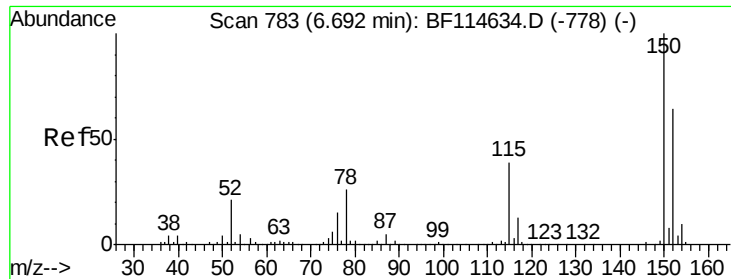
Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM

Quant Time: Jun 03 02:03:29 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

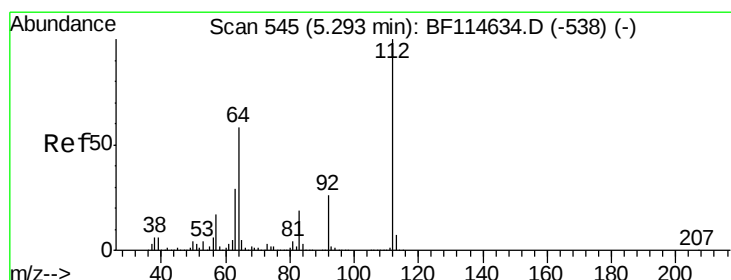
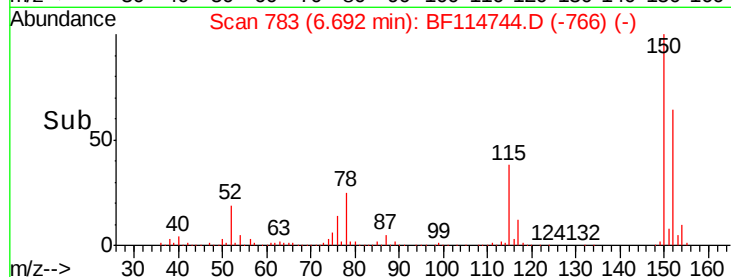
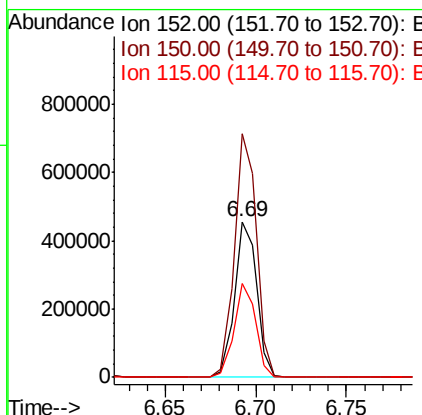
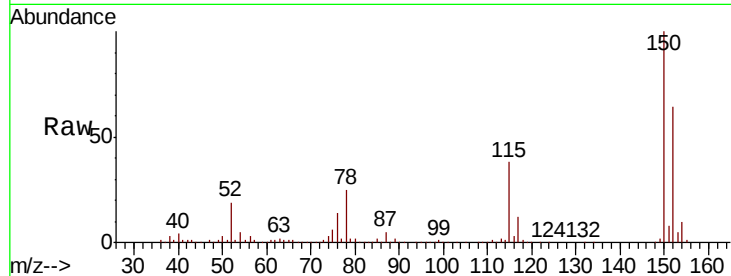
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.4	186.6
115	60.3	48.7	73.1

Manual Integrations
APPROVED

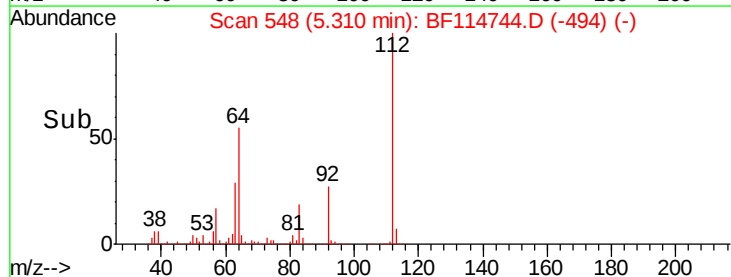
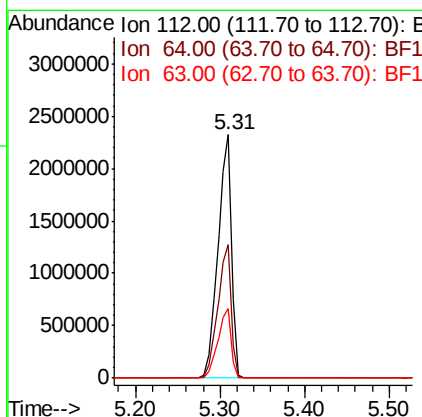
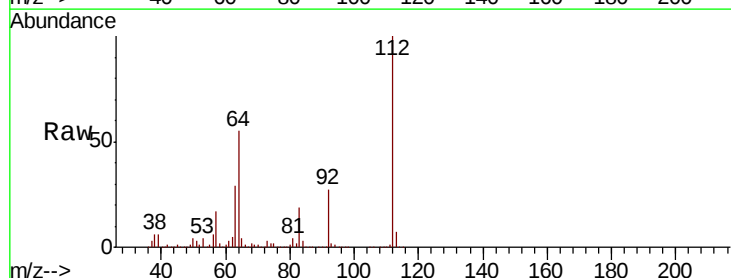
mohammad
6/3/2019 8:51:06 AM

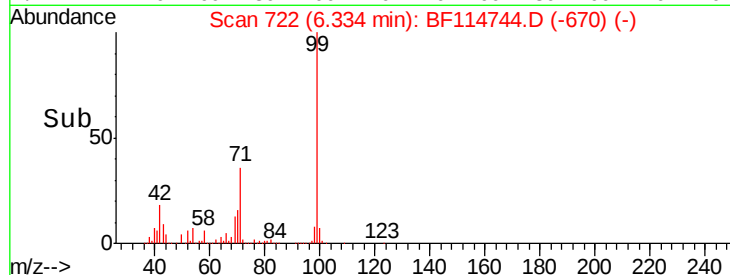
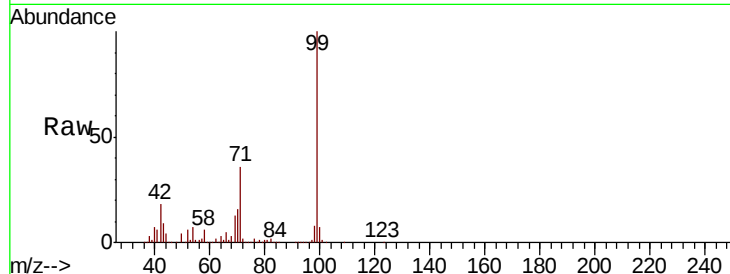
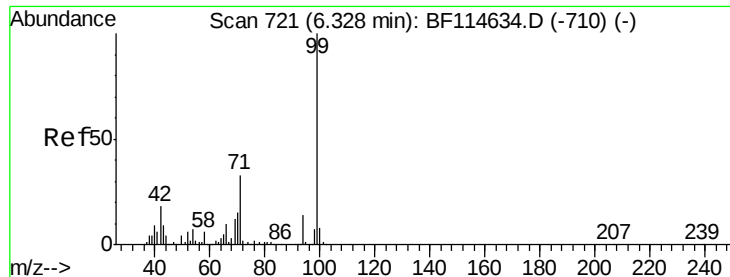


#5

2-Fluorophenol
Concen: 120.354 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.02 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.1	69.1
63	28.7	23.4	35.2





#7

Phenol-d6

Concen: 123.143 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

Tot Ion:	99	Resp:	3258186
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.7	22.1
71	36.3	26.6	40.0

Instrument :

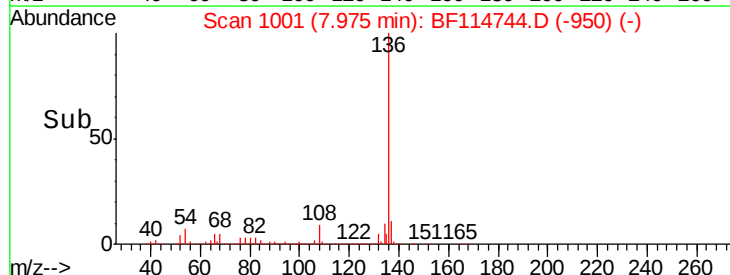
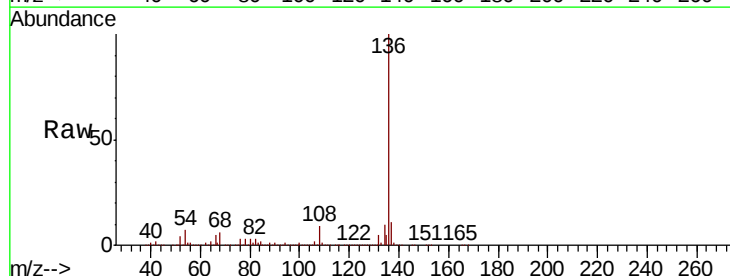
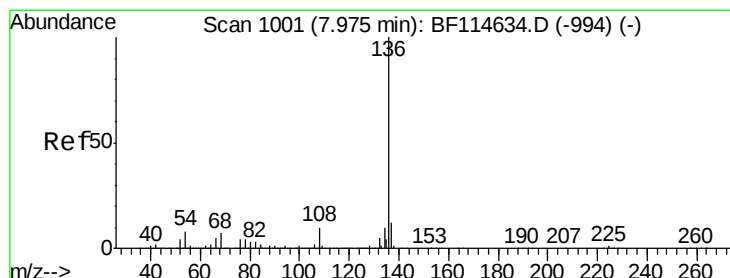
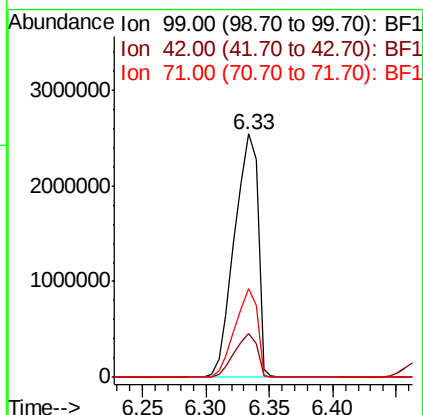
BNA_F

ClientSampleId :

0443-PR-6(PASSAIC)

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM



#21

Naphthalene-d8

Concen: 20.000 ng

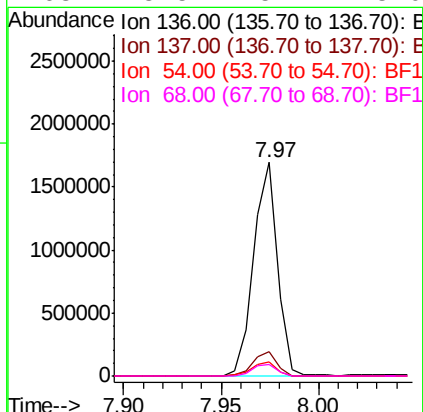
RT: 7.97 min Scan# 1001

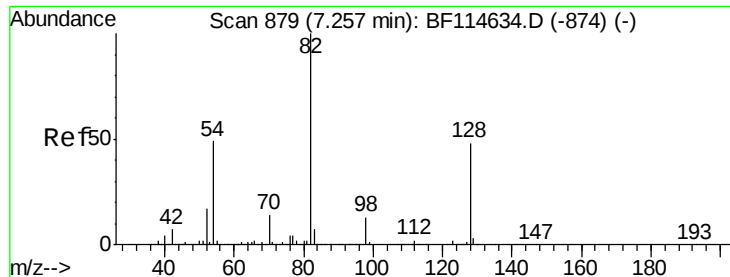
Delta R.T. -0.00 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

Tgt Ion:	136	Resp:	1435919
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	6.7	6.3	9.5
68	5.5	5.4	8.0





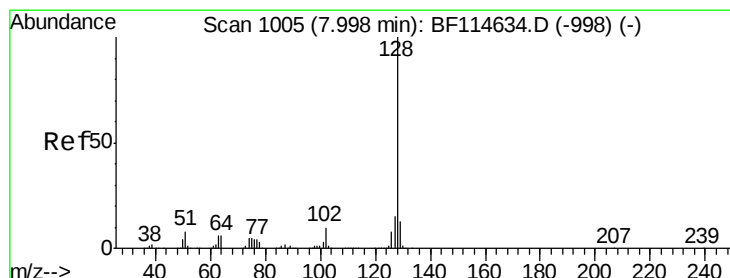
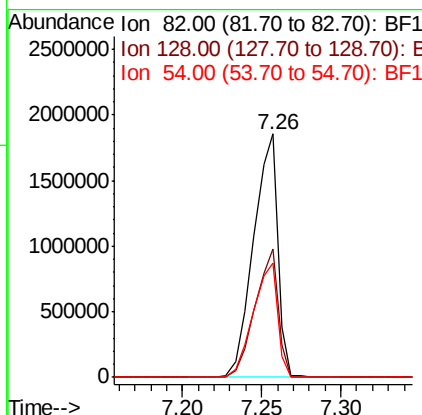
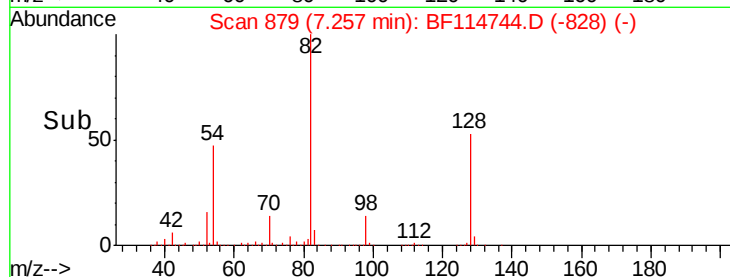
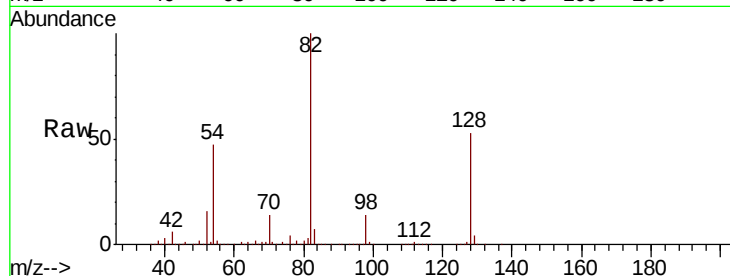
#23
Nitrobenzene-d5
Concen: 85.931 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.7	38.5	57.7
54	47.2	39.1	58.7

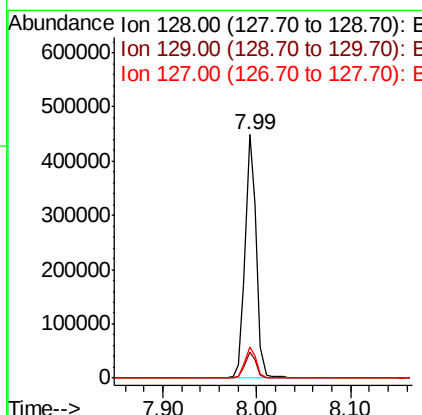
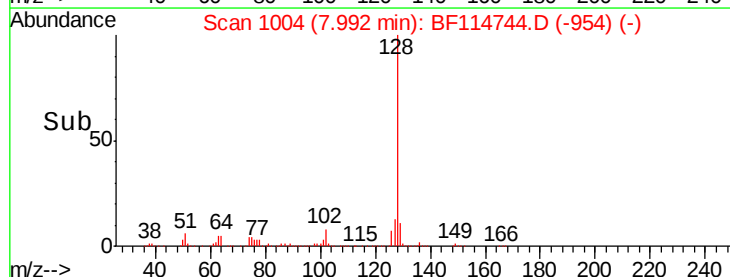
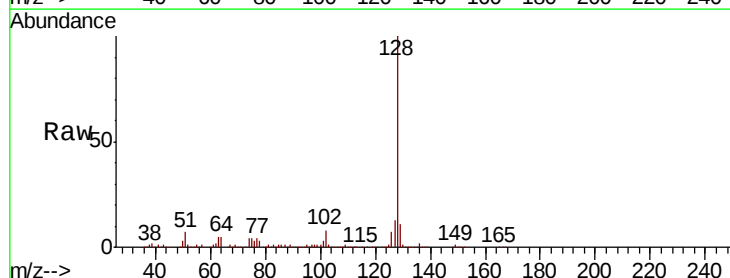
Manual Integrations
APPROVED

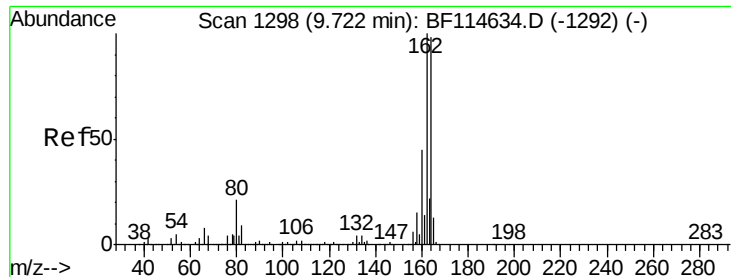
mohammad
6/3/2019 8:51:06 AM



#31
Naphthalene
Concen: 5.612 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	10.2	15.2
127	12.8	11.9	17.9





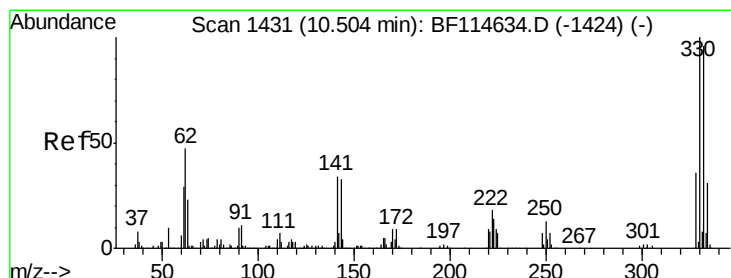
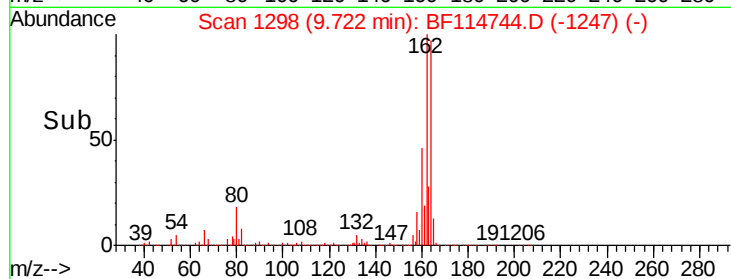
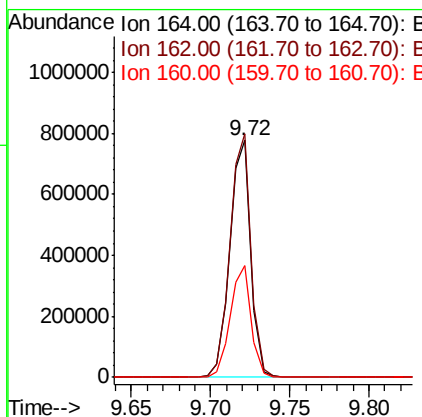
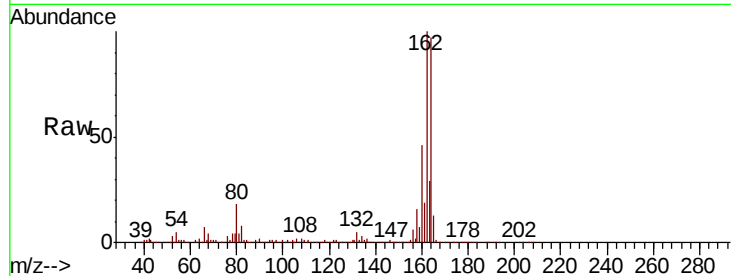
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	81.4	122.2	
160	47.0	36.6	54.8	

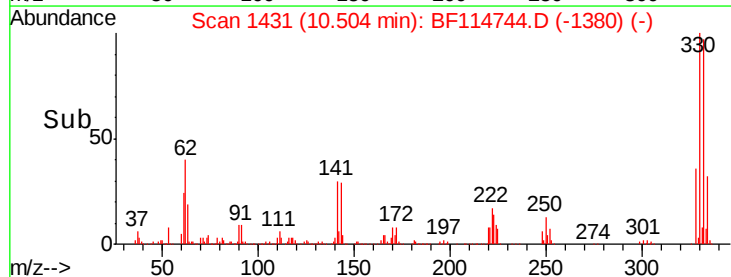
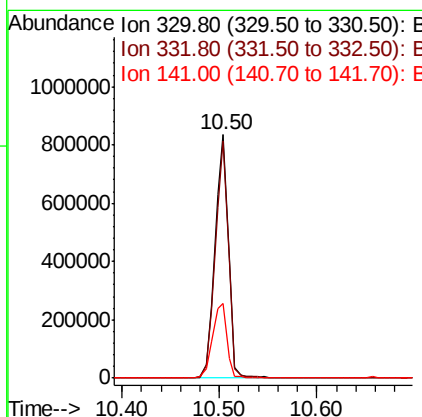
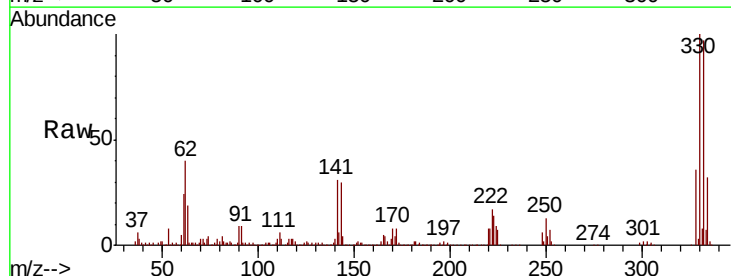
Manual Integrations
APPROVED

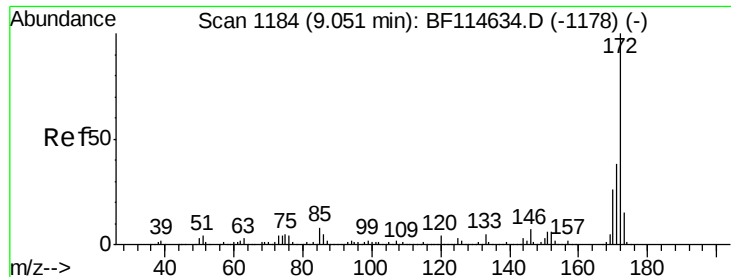
mohammad
6/3/2019 8:51:06 AM



#42
2,4,6-Tribromophenol
Concen: 118.501 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	75.8	113.8	
141	33.1	27.8	41.8	





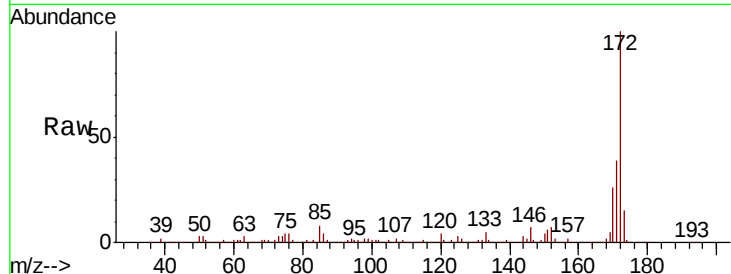
#45
2-Fluorobiphenyl
Concen: 73.482 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.6	45.8
170	26.5	20.7	31.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM

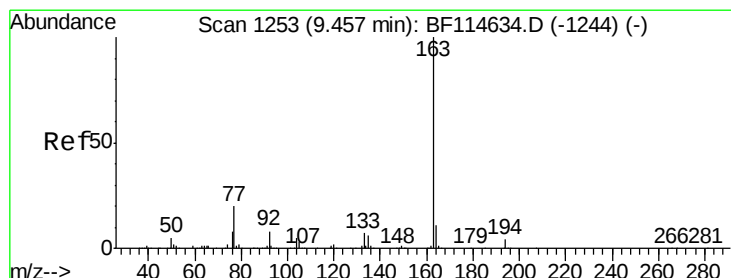
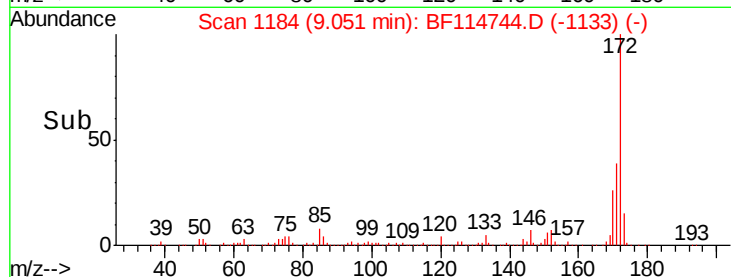
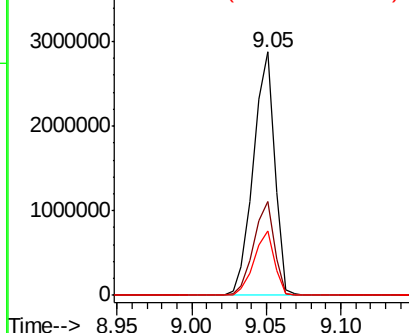


Abundance

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: 11.204 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

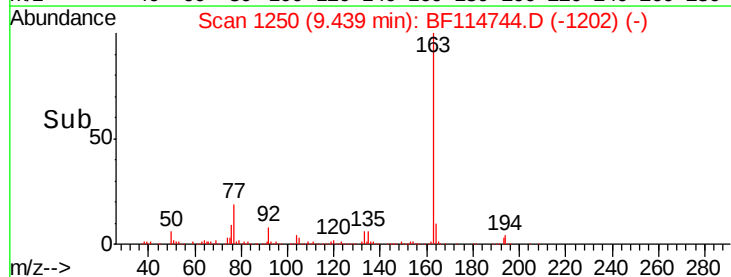
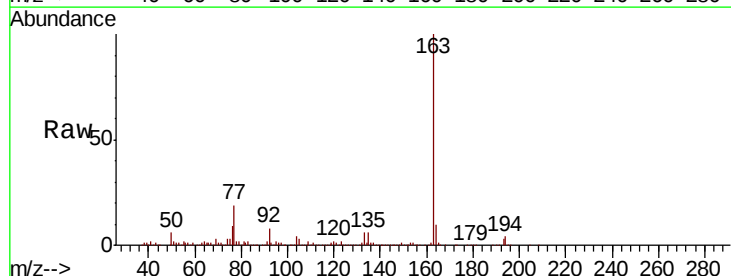
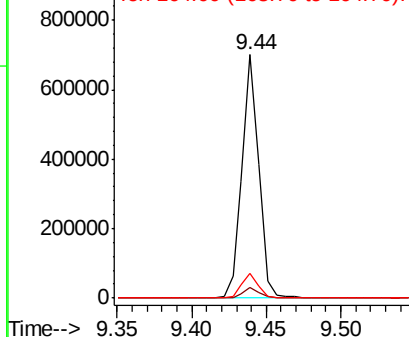
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.2	8.6	13.0

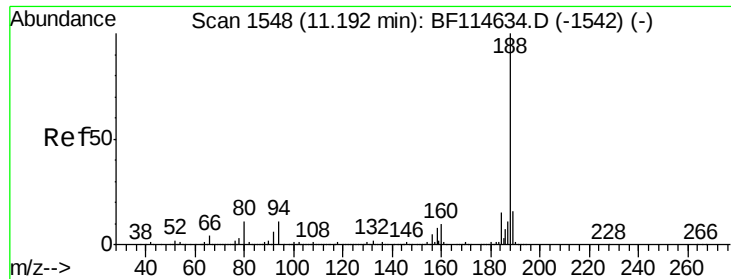
Abundance

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: 11.19 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

Instrument :

BNA_F

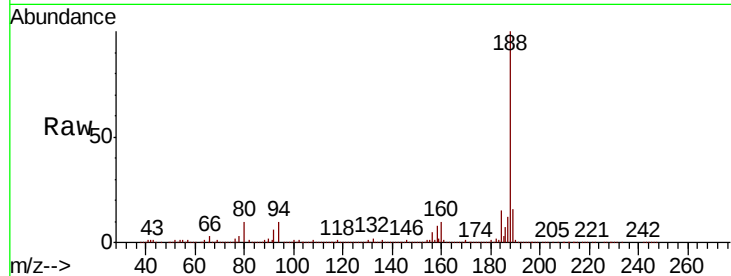
ClientSampleId :

0443-PR-6(PASSAIC)

Tot Ion:	188	Resp:	1353882
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	10.3	9.0	13.6

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM

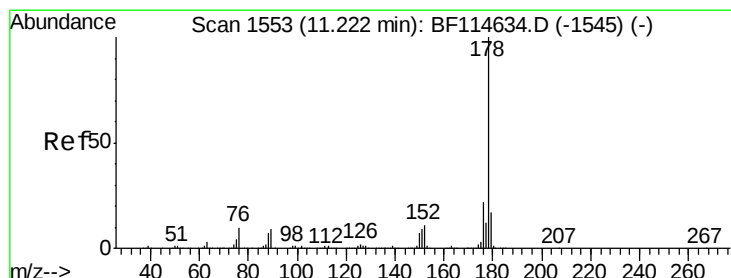
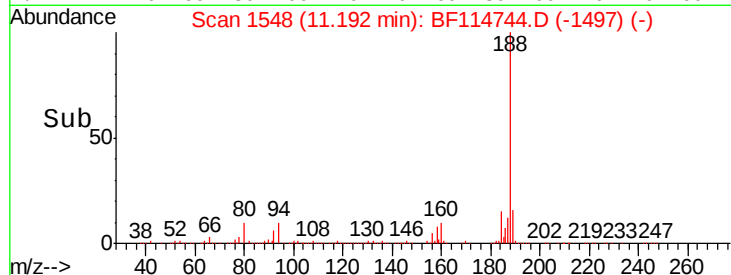
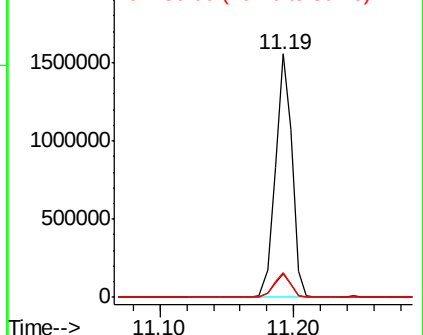


Abundance

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: 6.299 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

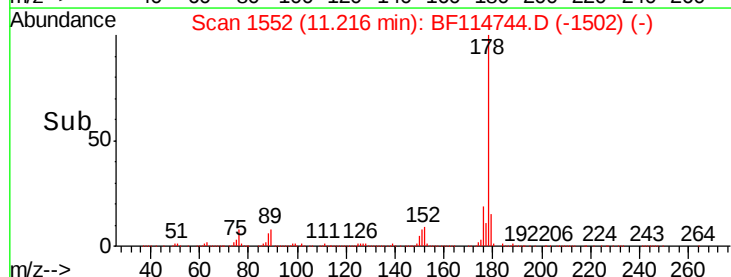
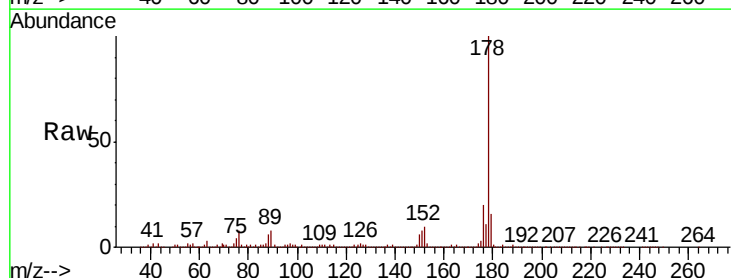
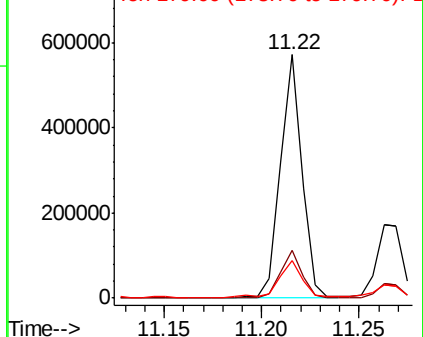
Tgt Ion:	178	Resp:	435037
Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.2	25.8
179	15.6	13.9	20.9

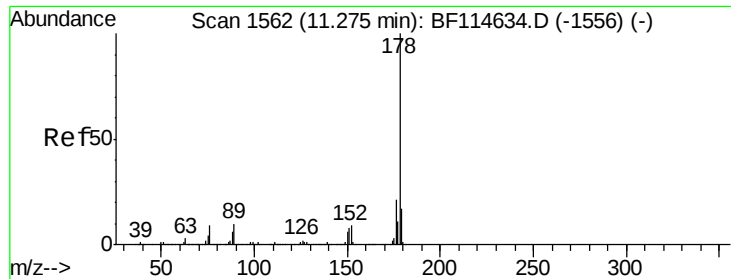
Abundance

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





#72

Anthracene

Concen: 2.196 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

Instrument :

BNA_F

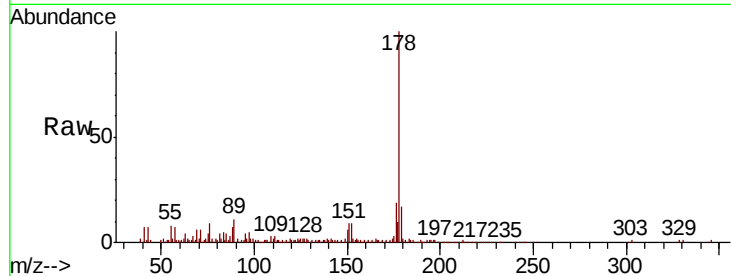
ClientSampleId :

0443-PR-6(PASSAIC)

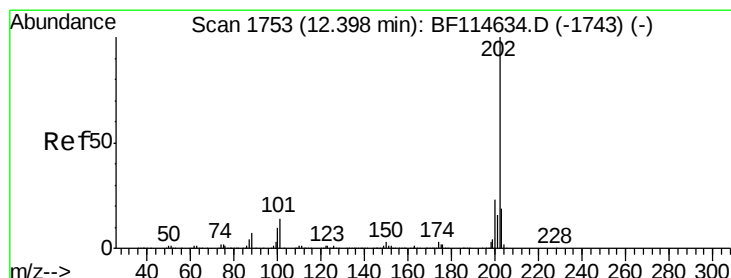
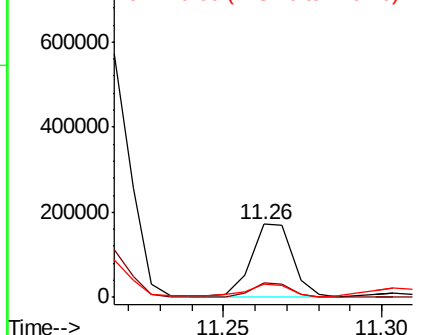
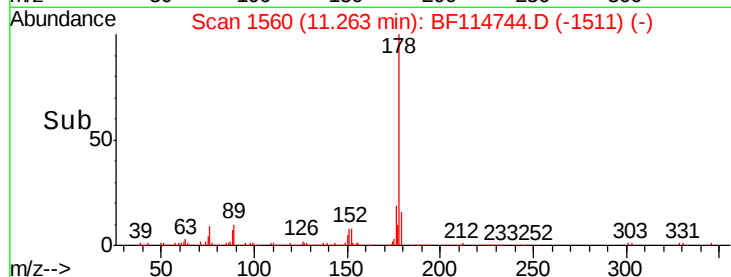
Tot Ion:	178	Resp:	153486
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.6	24.8
179	17.5	13.4	20.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM



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: 5.926 ng

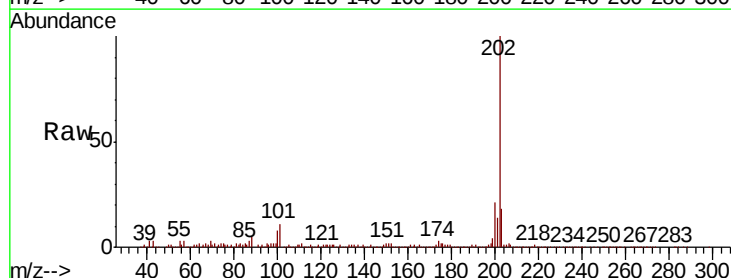
RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

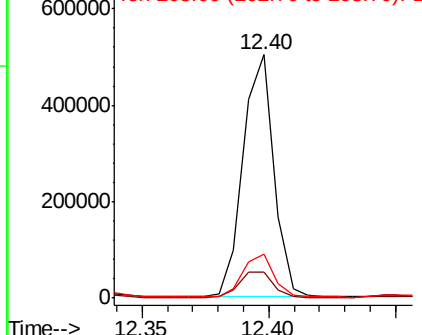
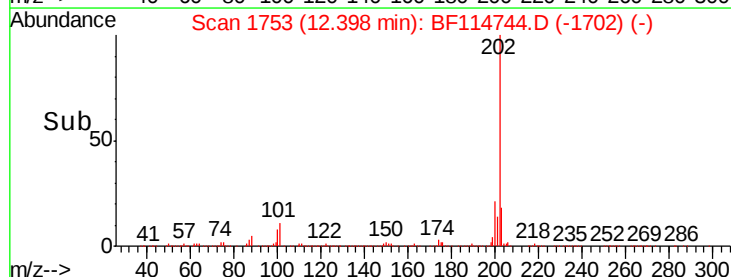
Lab File: BF114744.D

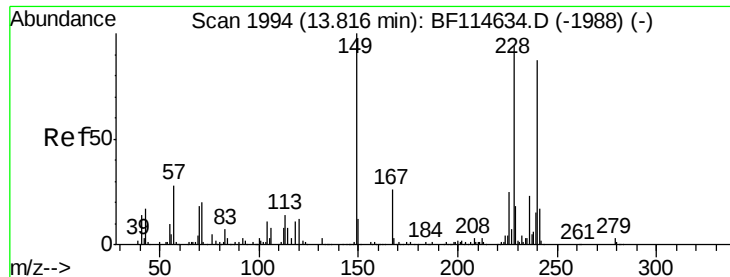
Acq: 1 Jun 2019 9:34

Tgt Ion:	202	Resp:	423779
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	33.9
203	18.0	0.0	39.1



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





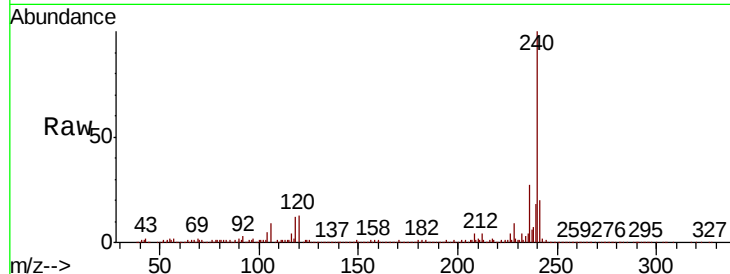
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.1	11.2	16.8	
236	26.8	21.2	31.8	

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM

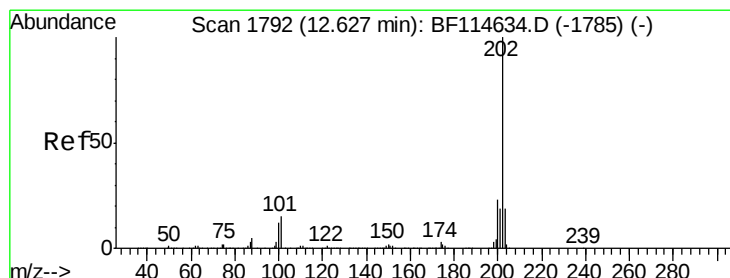
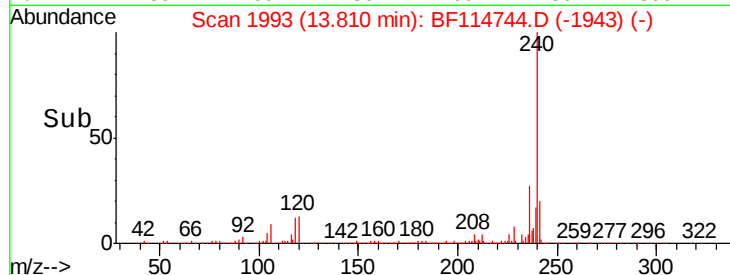
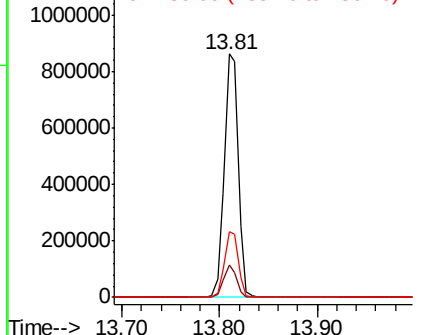


Abundance

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: 5.817 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

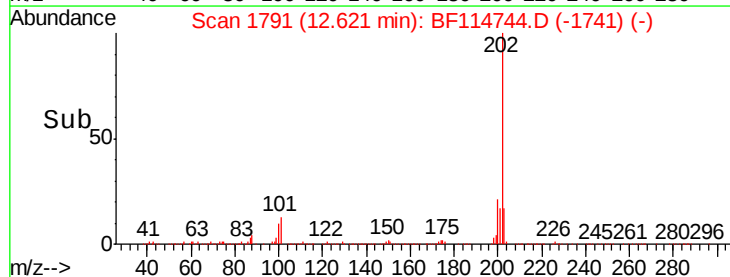
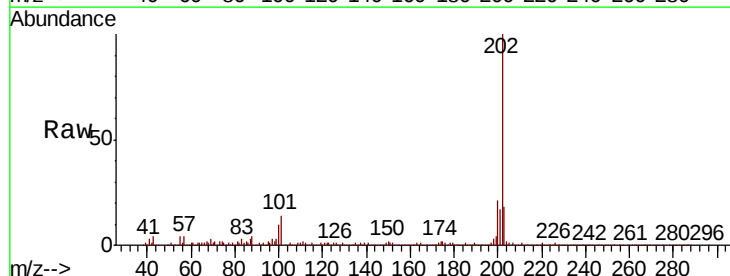
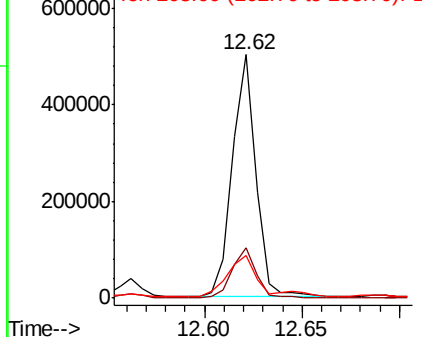
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	18.6	28.0	
203	17.8	15.4	23.2	

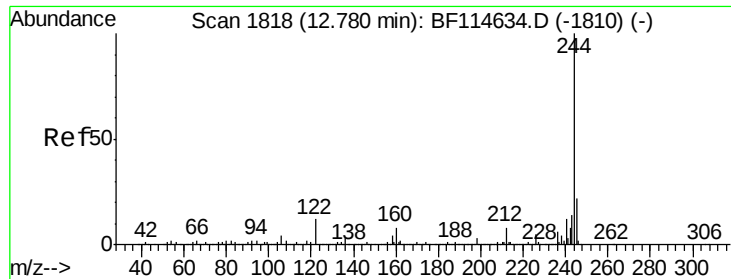
Abundance

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





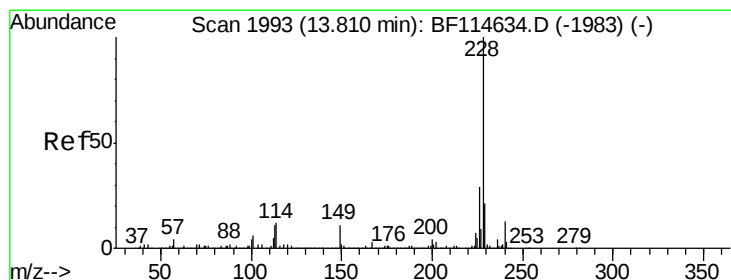
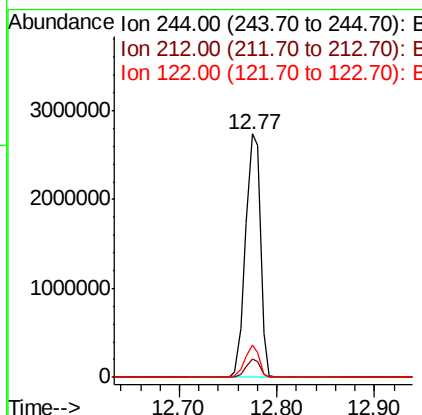
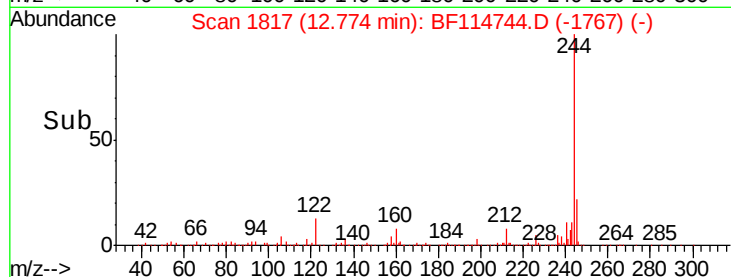
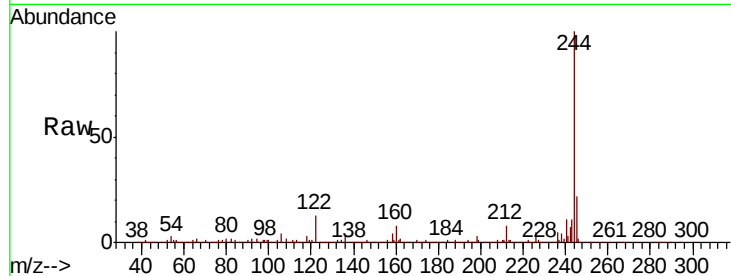
#79
 Terphenyl-d14
 Concen: 64.088 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF114744.D
 Acq: 1 Jun 2019 9:34

Instrument :
 BNA_F
 ClientSampleId :
 0443-PR-6(PASSAIC)

Tot Ion:244 Resp: 2911594
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 13.3 9.8 14.8

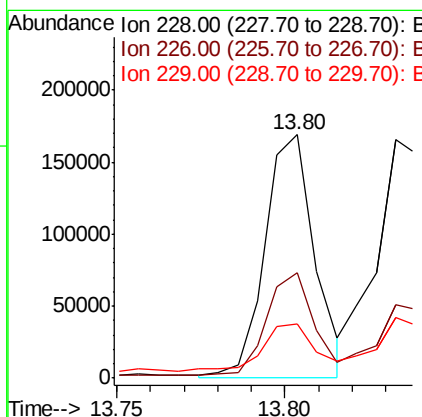
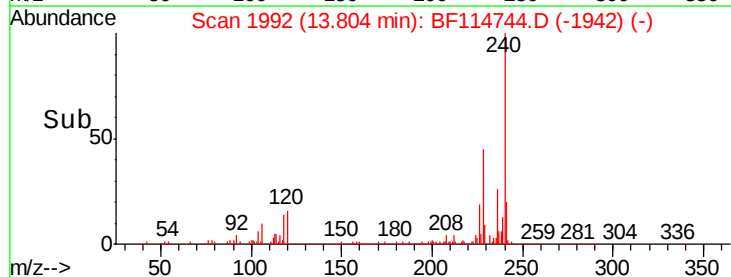
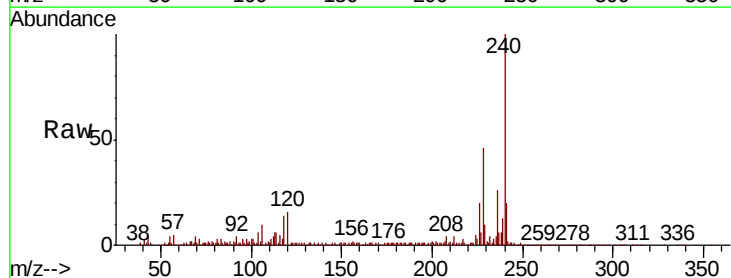
Manual Integrations
 APPROVED

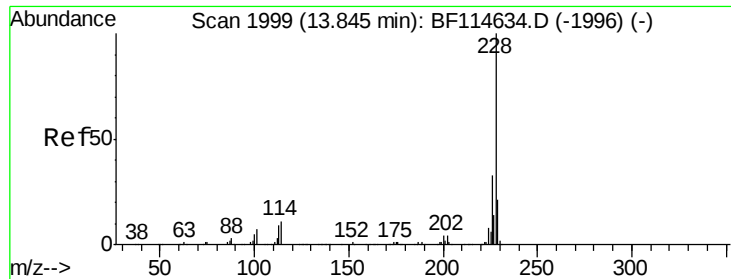
mohammad
 6/3/2019 8:51:06 AM



#81
 Benzo(a)anthracene
 Concen: 2.620 ng m
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF114744.D
 Acq: 1 Jun 2019 9:34

Tgt Ion:228 Resp: 171944
 Ion Ratio Lower Upper
 228 100
 226 43.5 23.0 34.6#
 229 22.5 17.0 25.4





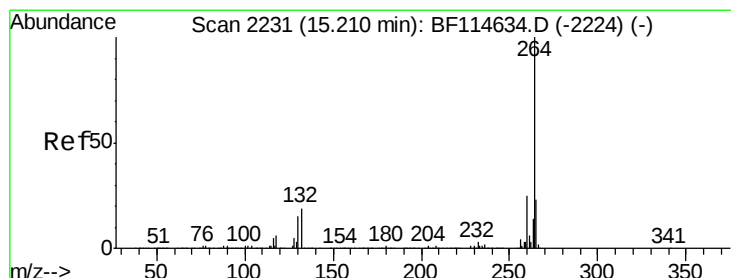
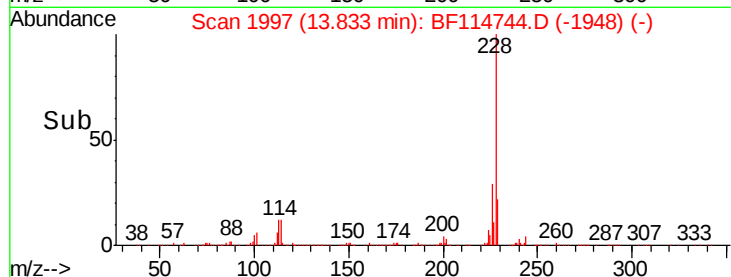
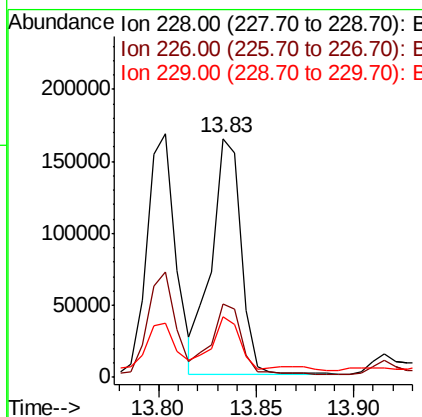
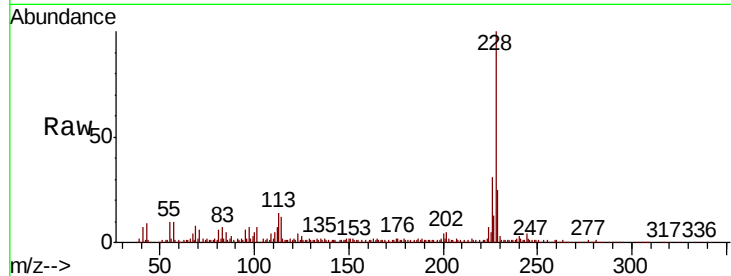
#83
Chrysene
Concen: 2.779 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Instrument :
BNA_F
ClientSampleId :
0443-PR-6(PASSAIC)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.4	39.6
229	25.4	17.1	25.7

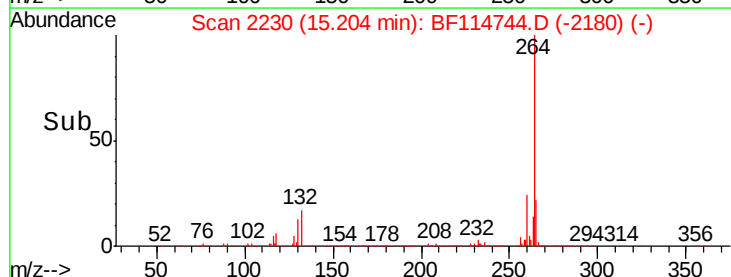
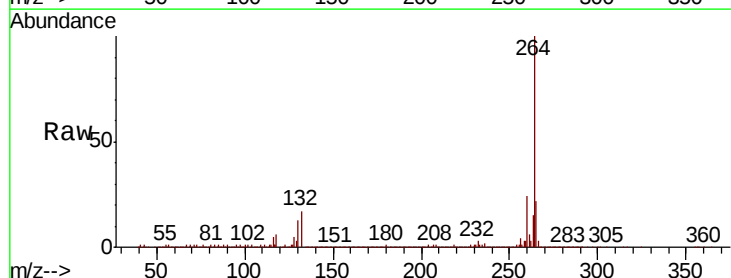
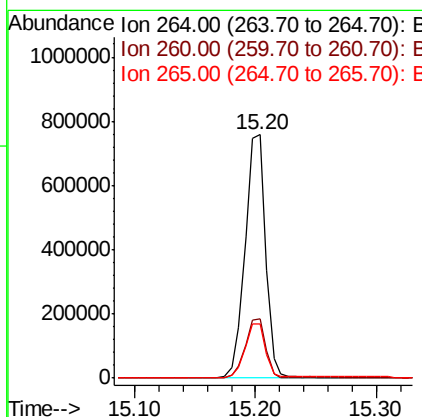
Manual Integrations
APPROVED

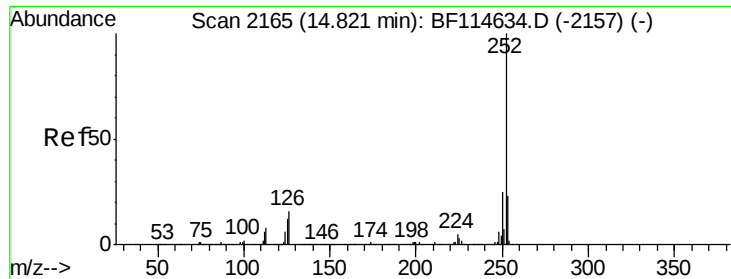
mohammad
6/3/2019 8:51:06 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF114744.D
Acq: 1 Jun 2019 9:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.0	18.1	27.1





#88

Benzo(b)fluoranthene

Concen: 2.853 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

Instrument :

BNA_F

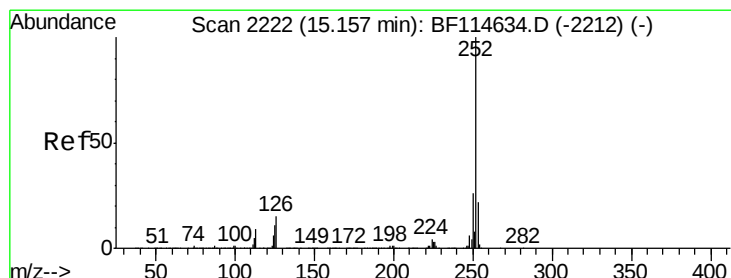
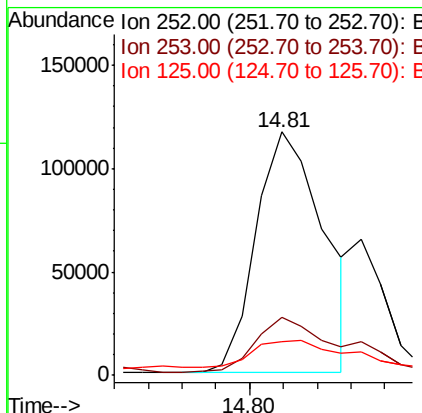
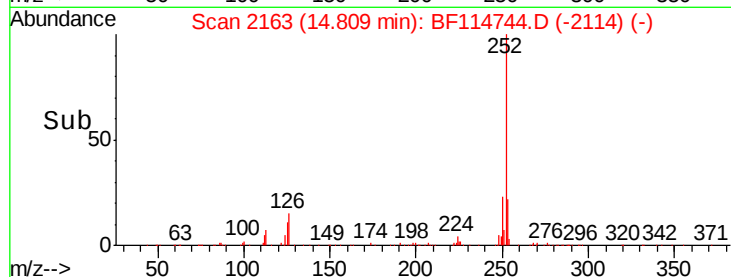
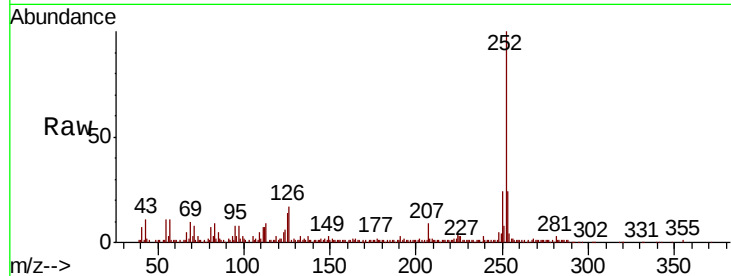
ClientSampleId :

0443-PR-6(PASSAIC)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	14.1	9.4	14.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:51:06 AM



#90

Benzo(a)pyrene

Concen: 2.748 ng

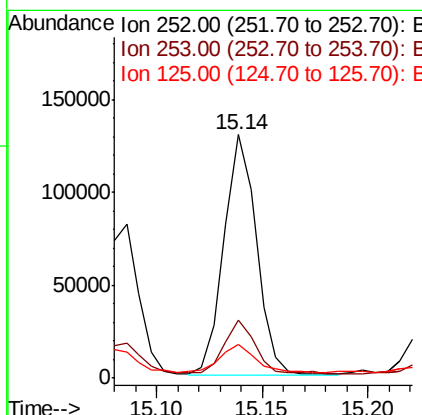
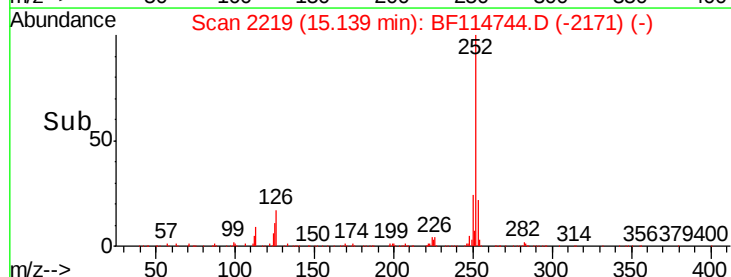
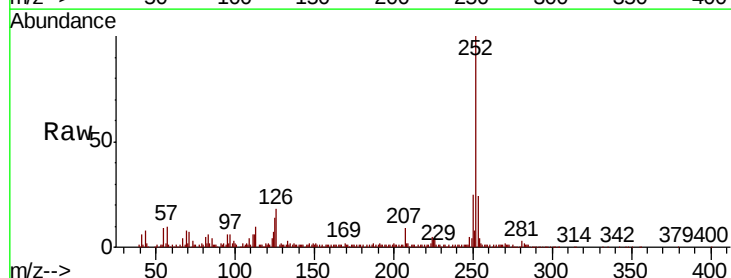
RT: 15.14 min Scan# 2219

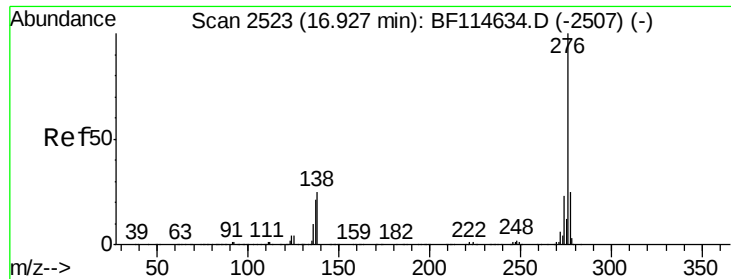
Delta R.T. -0.02 min

Lab File: BF114744.D

Acq: 1 Jun 2019 9:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	14.0	9.2	13.8#





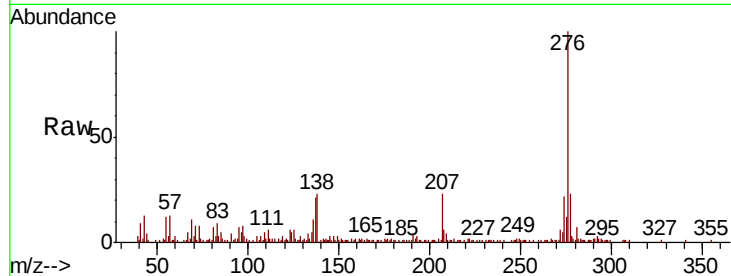
#92
 Benzo(a,h,i)perylene
 Concen: 2.079 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF114744.D
 Acq: 1 Jun 2019 9:34

Instrument :
 BNA_F
 ClientSampleId :
 0443-PR-6(PASSAIC)

Tot Ion:	276	Resp:	89506
Ion Ratio		Lower	Upper
276	100		
277	23.4	19.7	29.5
138	23.5	19.8	29.8

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:51:06 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

