

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115887.D
 Acq On : 1 Aug 2019 00:45
 Operator : HP/JU
 Sample : K4049-04 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:07:18 PM

Quant Time: Aug 01 12:14:51 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	132856	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	484799	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	228354	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	357926	20.00	ng	0.00
76) Chrysene-d12	14.06	240	199205	20.00	ng	0.04
87) Perylene-d12	15.53	264	281198	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	388070	48.90	ng	0.00
7) Phenol-d6	6.48	99	513576	51.29	ng	0.00
23) Nitrobenzene-d5	7.41	82	284058	33.82	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	89000	40.20	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	478854	39.28	ng	0.00
79) Terphenyl-d14	12.97	244	444989	47.07	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	7.27	107	20546	2.336	ng	Qvalue # 69
31) Naphthalene	8.16	128	244317	10.709	ng	99
32) Benzoic acid	7.92	122	10649	2.349	ng	# 20
37) 2-Methylnaphthalene	8.85	142	92254	6.140	ng	99
38) 1-Methylnaphthalene	8.95	142	91214	6.417	ng	100
46) 1,1'-Biphenyl	9.31	154	47191	2.927	ng	94
49) Acenaphthylene	9.76	152	886569	45.289	ng	99
50) Dimethylphthalate	9.60	163	112944	7.264	ng	99
52) Acenaphthene	9.93	154	198230	16.506	ng	99
55) Dibenzofuran	10.10	168	361297	20.687	ng	97
58) Fluorene	10.45	166	338362	25.181	ng	99
71) Phenanthrene	11.43	178	4382139	239.488	ng	97
72) Anthracene	11.47	178	1655392	89.392	ng	98
73) Carbazole	11.62	167	685123	40.779	ng	99
75) Fluoranthene	12.64	202	7286966	380.399	ng	96
78) Pyrene	12.87	202	6468640	430.773	ng	96
81) Benzo(a)anthracene	14.05	228	4477277	351.642	ng	93
83) Chrysene	14.09	228	3768552m	304.868	ng	
84) Bis(2-ethylhexyl)phthalate	14.01	149	103263	12.510	ng	100
86) Indeno(1,2,3-cd)pyrene	17.05	276	2201672	212.063	ng	98
88) Benzo(b)fluoranthene	15.12	252	4845173m	297.996	ng	
89) Benzo(k)fluoranthene	15.14	252	1351034m	85.311	ng	
90) Benzo(a)pyrene	15.49	252	3334114m	229.393	ng	
91) Dibenz(a,h)anthracene	17.03	278	556769m	44.254	ng	
92) Benzo(g,h,i)perylene	17.50	276	2031970	164.454	ng	99

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

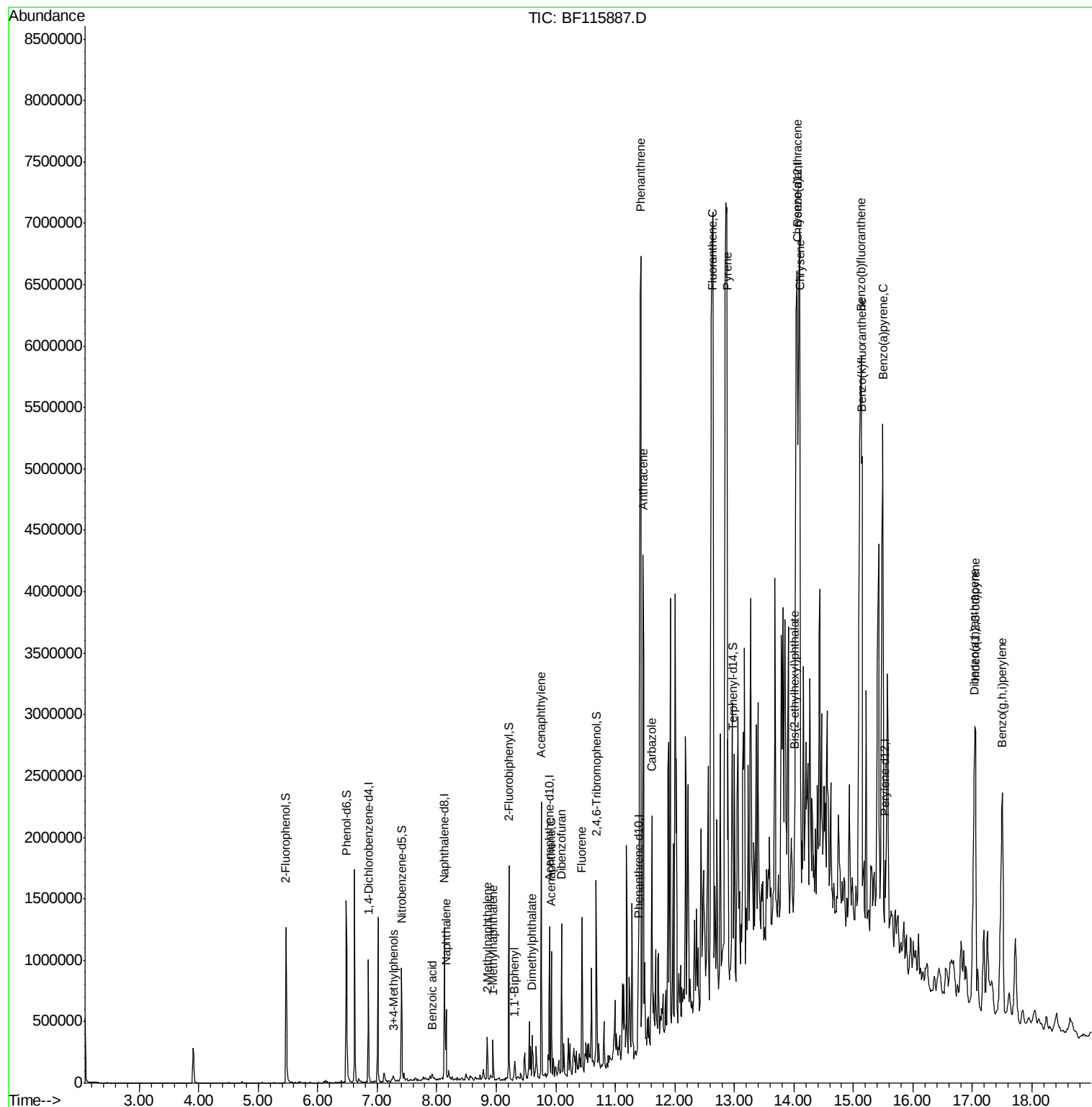
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115887.D
Acq On : 1 Aug 2019 00:45
Operator : HP/JU
Sample : K4049-04 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

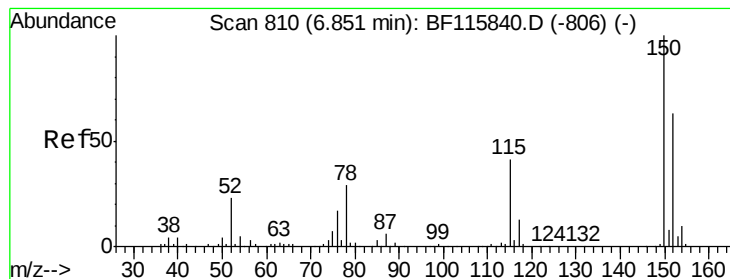
Instrument :
BNA_F
ClientSampled :
SP-4

Quant Time: Aug 01 12:14:51 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

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM





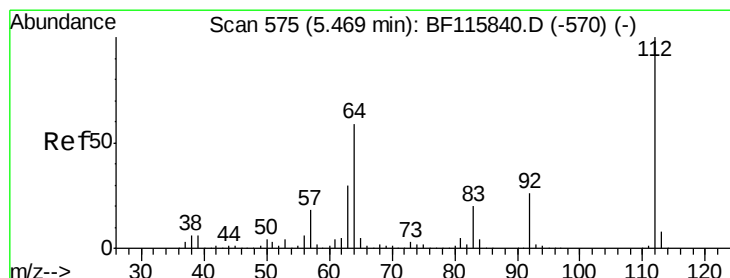
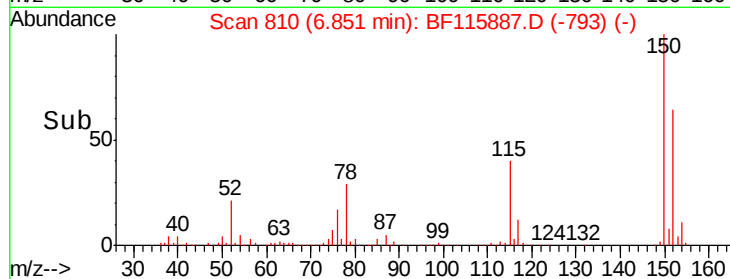
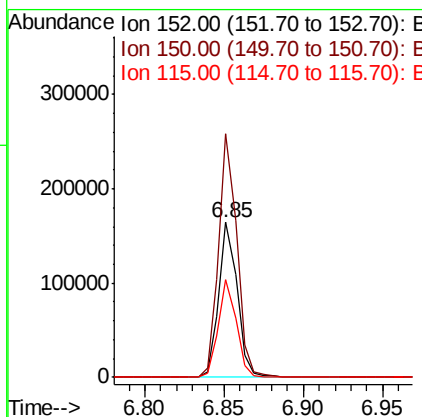
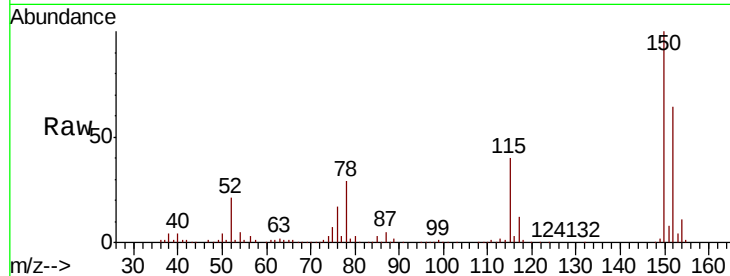
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.0
115	62.7	51.8	77.8

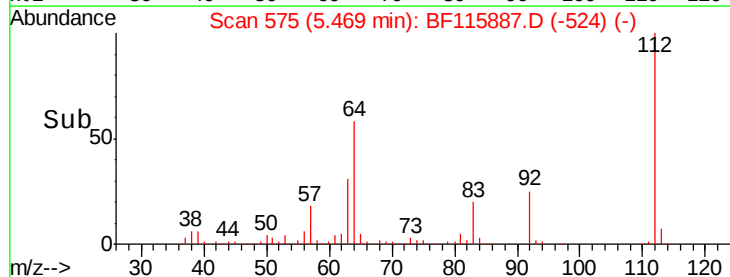
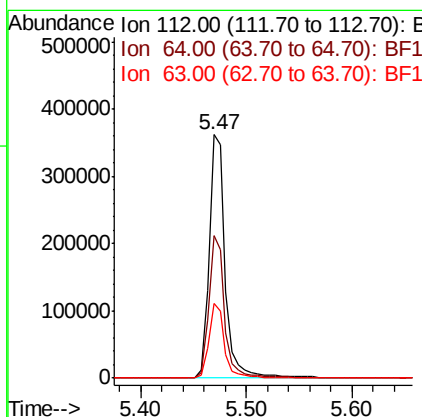
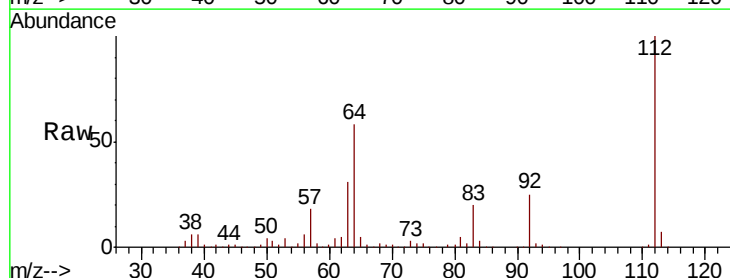
Manual Integrations
 APPROVED

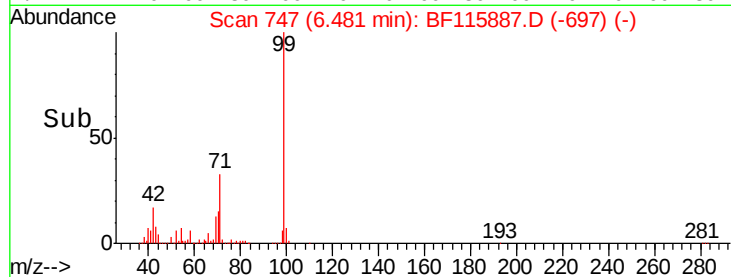
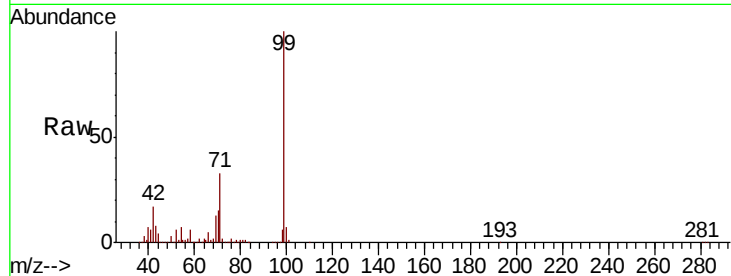
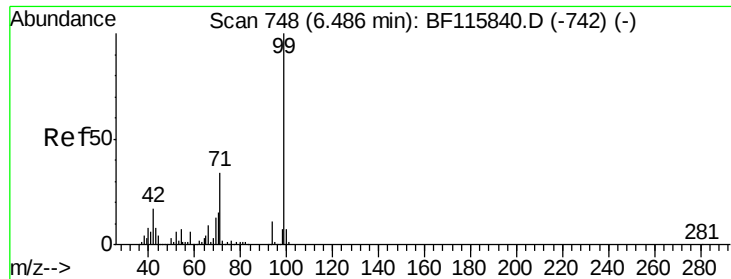
mohammad
 8/1/2019 5:07:18 PM



#5
 2-Fluorophenol
 Concen: 48.899 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.8	70.2
63	30.7	24.2	36.2





#7

Phenol-d6

Concen: 51.292 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Instrument :

BNA_F

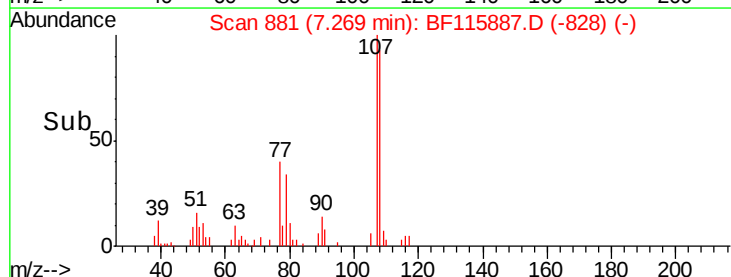
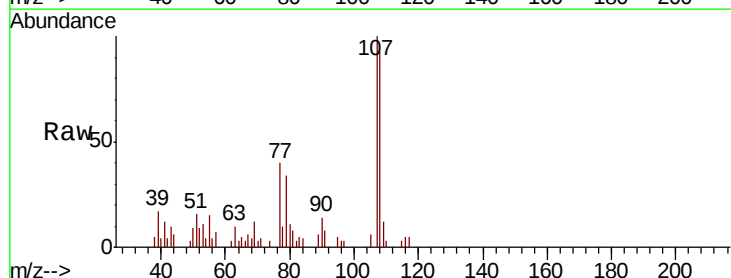
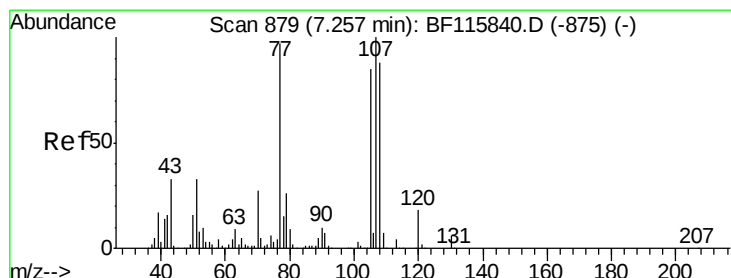
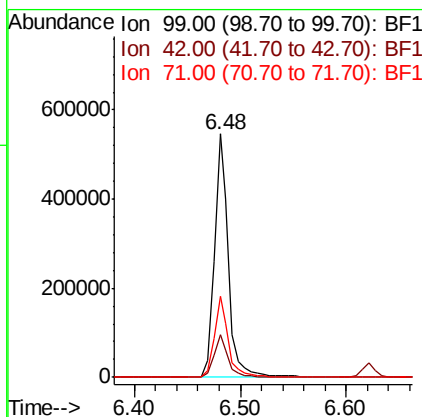
ClientSampleId :

SP-4

Tot Ion:	99	Resp:	513576
Ion Ratio	Lower	Upper	
99	100		
42	17.4	13.8	20.6
71	33.4	27.1	40.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM



#20

3+4-Methylphenols

Concen: 2.336 ng

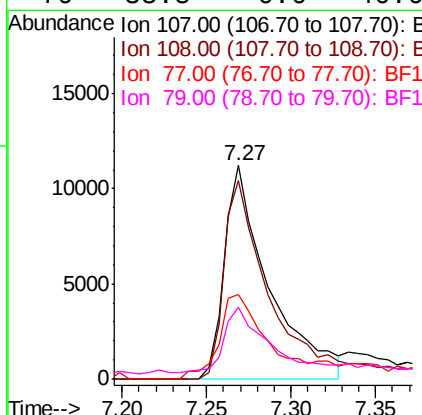
RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Tgt Ion:	107	Resp:	20546
Ion Ratio	Lower	Upper	
107	100		
108	92.9	67.9	107.9
77	39.8	77.3	117.3#
79	33.8	6.6	46.6





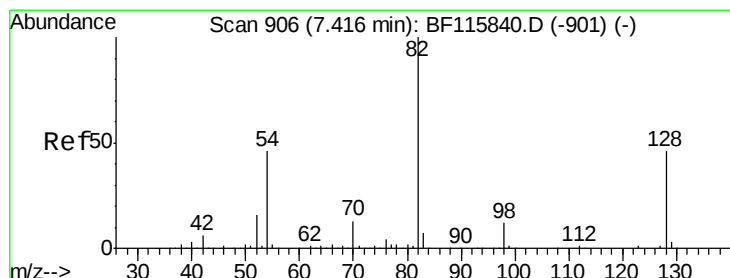
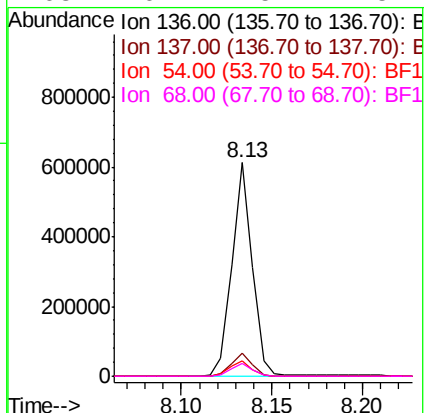
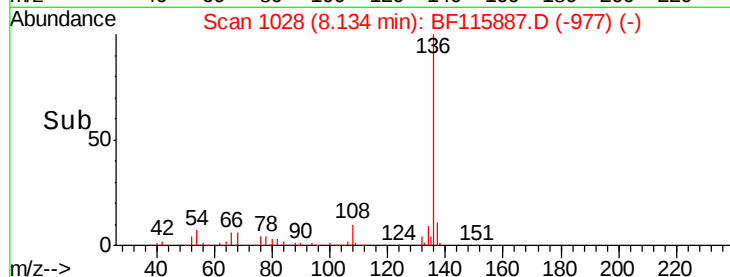
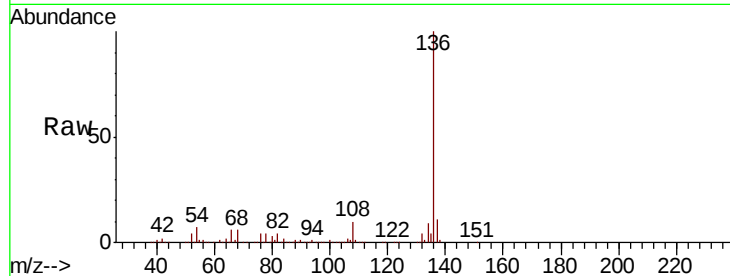
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.1	6.1	9.1
68	6.2	5.4	8.2

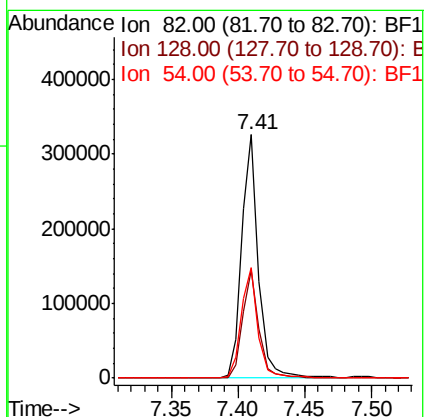
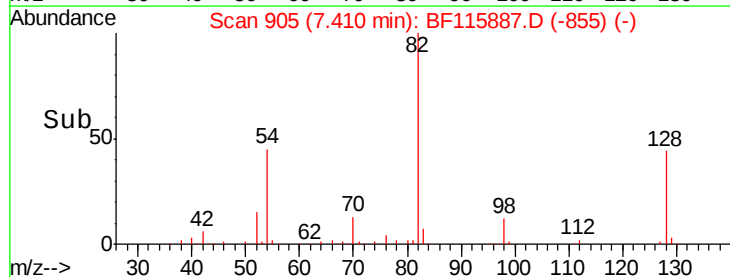
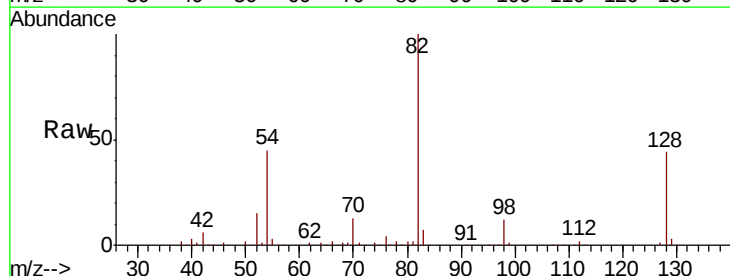
Manual Integrations
APPROVED

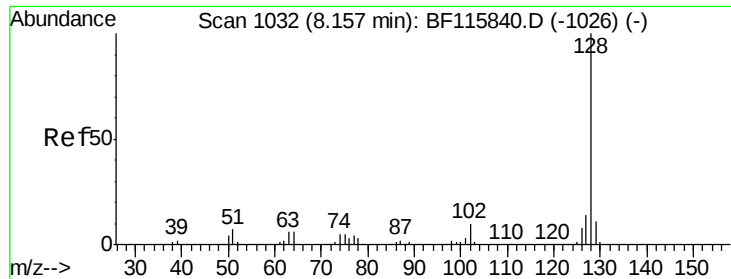
mohammad
8/1/2019 5:07:18 PM



#23
Nitrobenzene-d5
Concen: 33.822 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.6	55.0
54	45.4	36.6	55.0





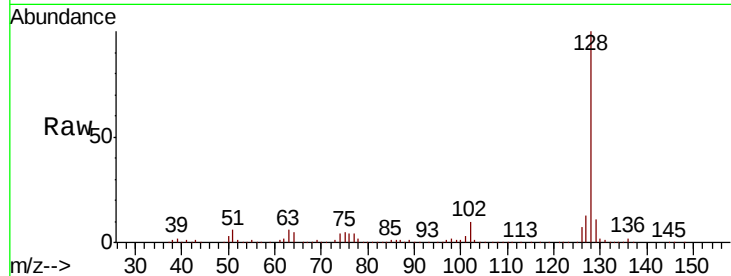
#31
Naphthalene
Concen: 10.709 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Resp	Lower	Upper
128	100	244317		
129	10.9		9.2	13.8
127	13.1		11.0	16.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM

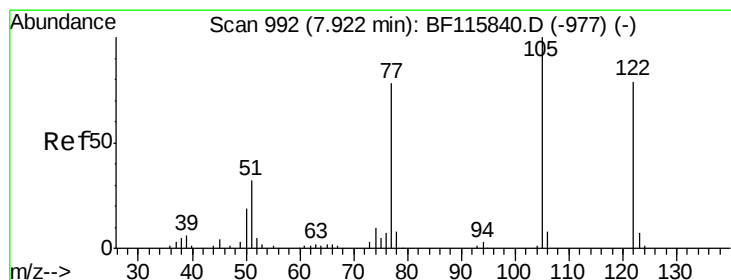
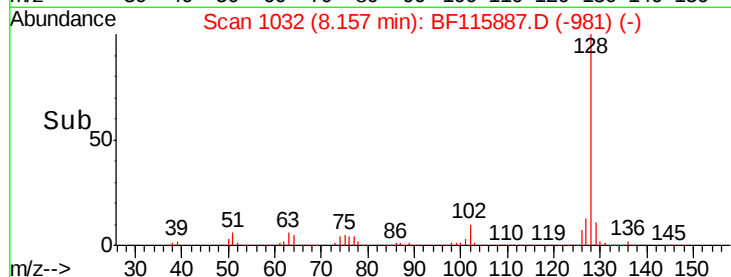
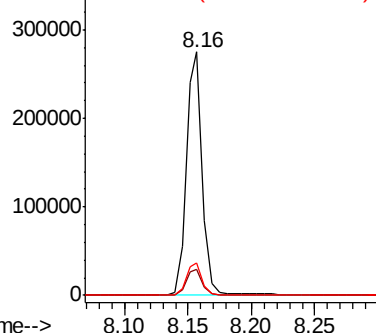


Abundance

Ion 128.00 (127.70 to 128.70): E

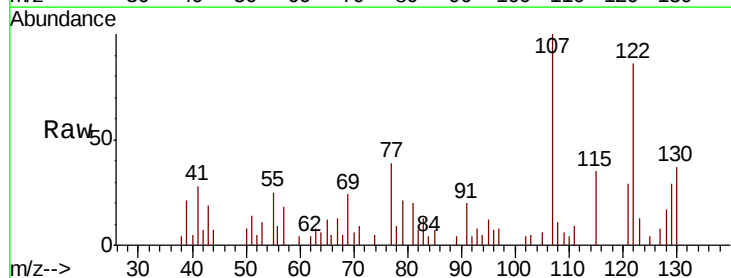
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 2.349 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	10649		
105	7.1		103.1	143.1#
77	45.8		76.8	116.8#

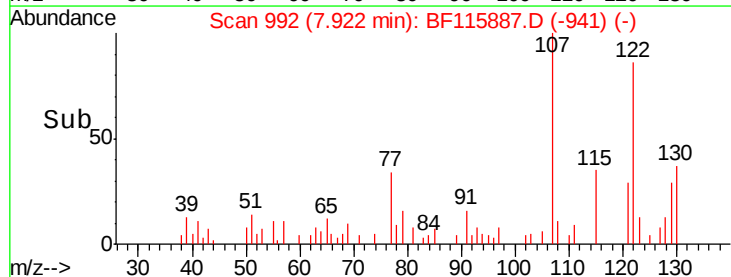
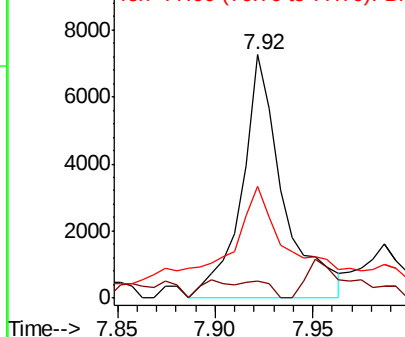


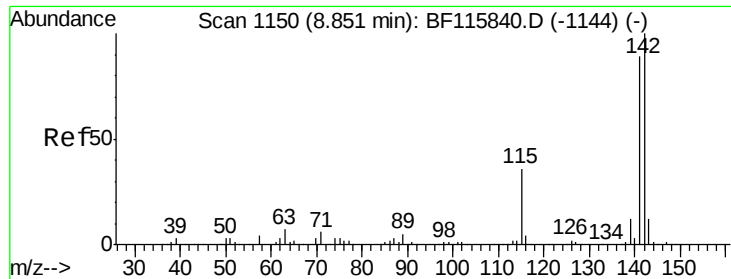
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





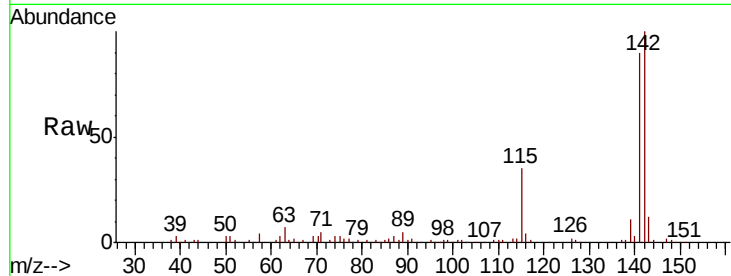
#37
2-Methylnaphthalene
Concen: 6.140 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.4	107.2
115	34.6	28.9	43.3

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM

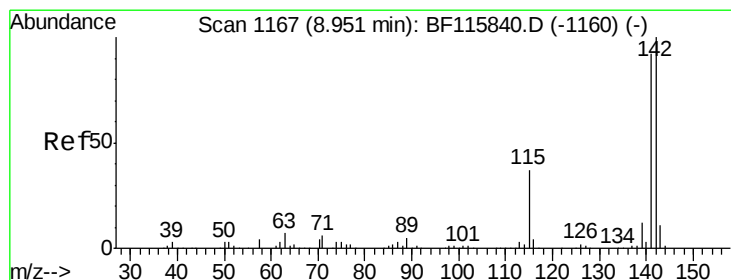
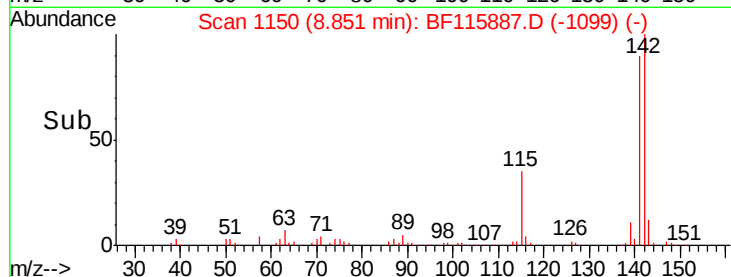
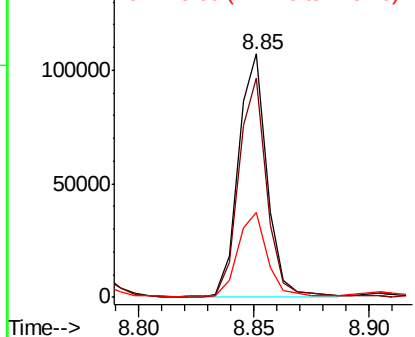


Abundance

Ion 142.00 (141.70 to 142.70): E

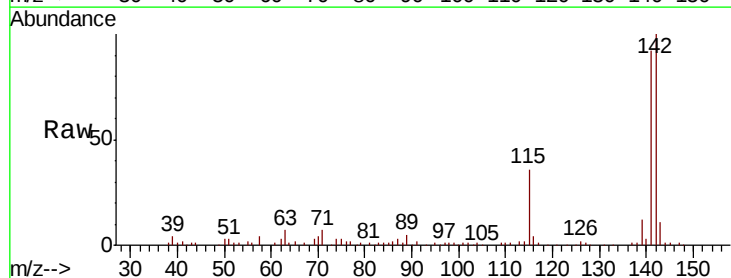
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 6.417 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.6
116	4.3	3.1	4.7

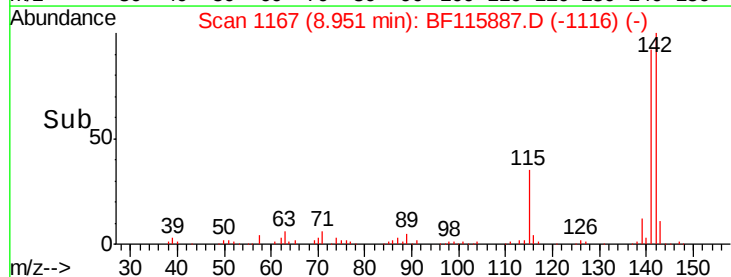
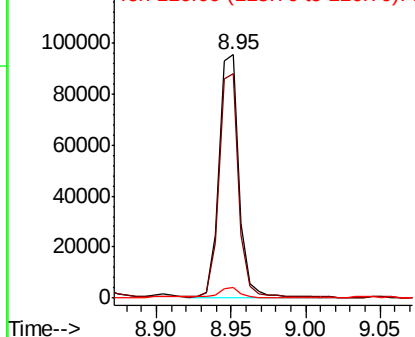


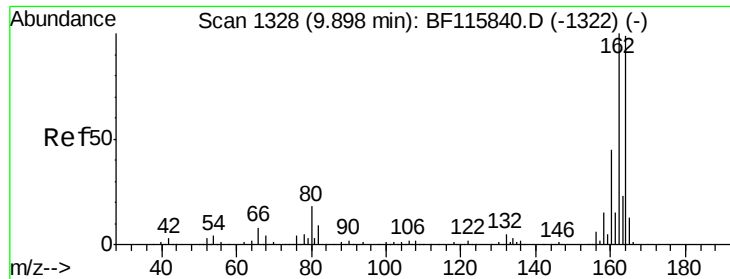
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





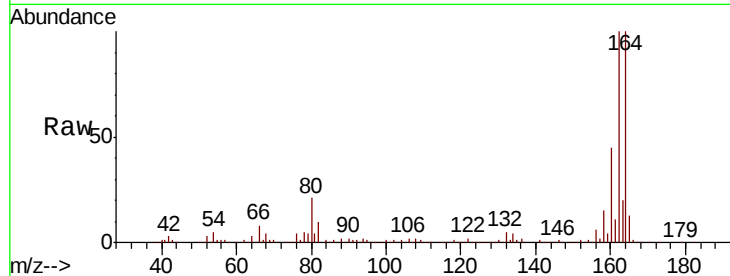
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

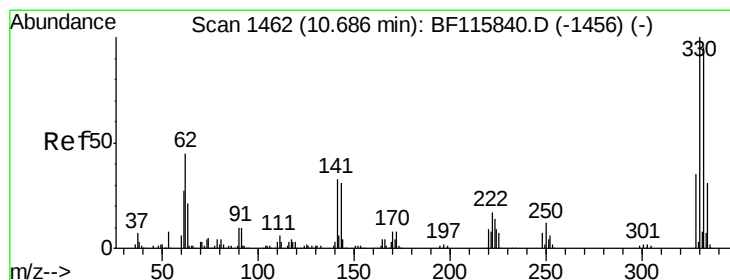
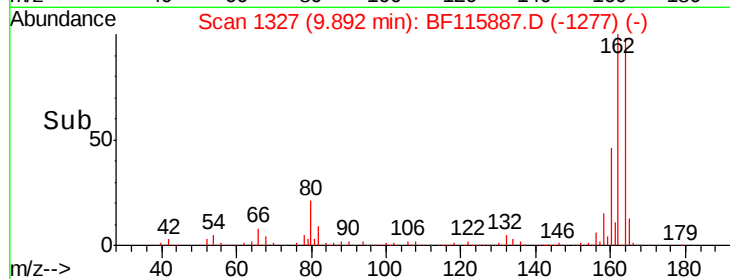
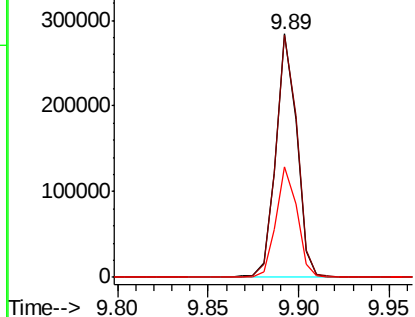
Tot Ion:	164	Resp:	228354
Ion Ratio	Lower	Upper	
164	100		
162	99.6	80.8	121.2
160	45.3	36.2	54.4

Manual Integrations
 APPROVED

mohammad
 8/1/2019 5:07:18 PM

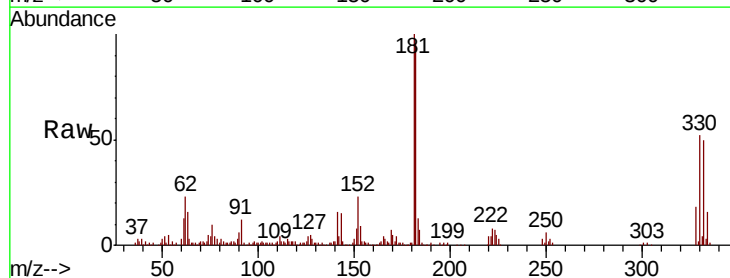


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

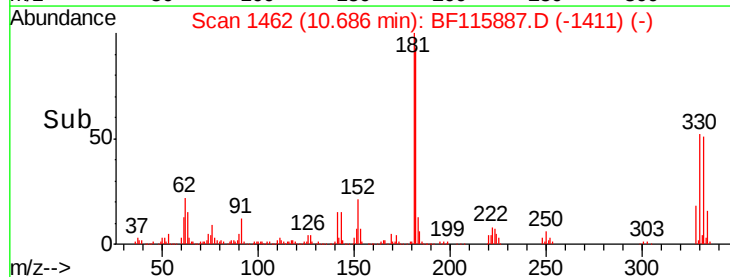
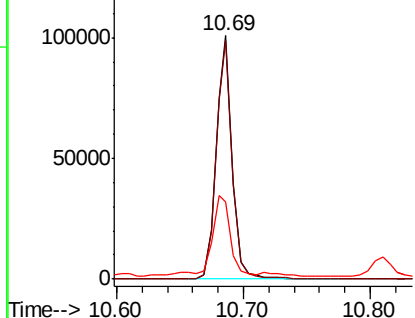


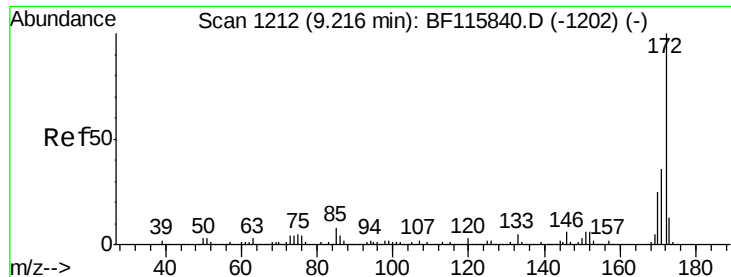
#42
 2,4,6-Tribromophenol
 Concen: 40.200 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Tgt Ion:	330	Resp:	89000
Ion Ratio	Lower	Upper	
330	100		
332	98.2	77.7	116.5
141	40.6	28.1	42.1



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





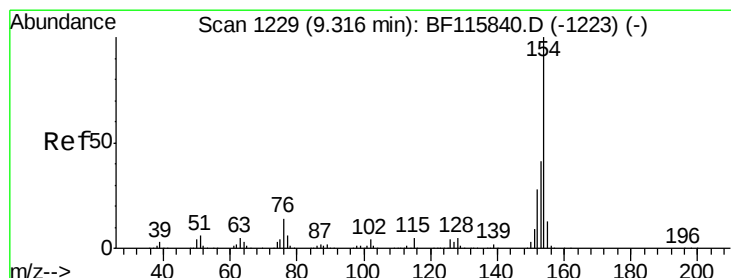
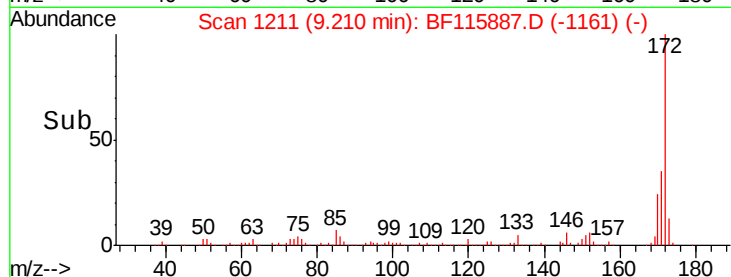
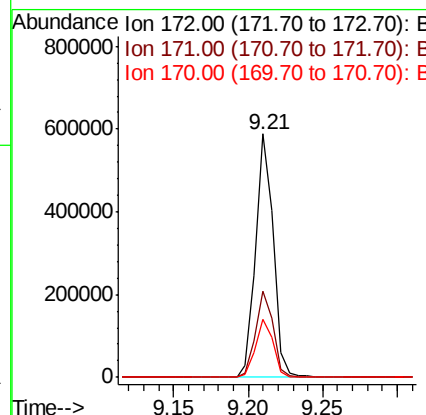
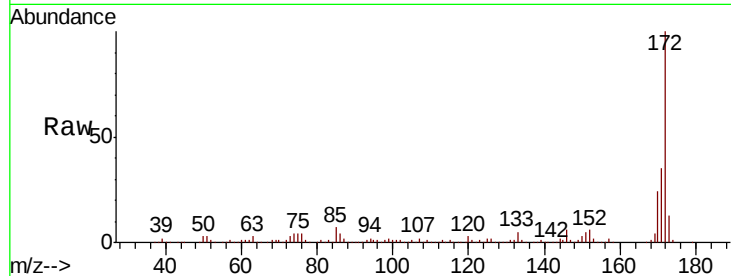
#45
2-Fluorobiphenyl
Concen: 39.278 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.1	43.7
170	23.8	20.1	30.1

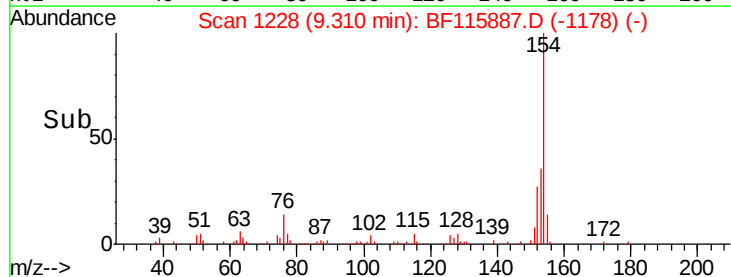
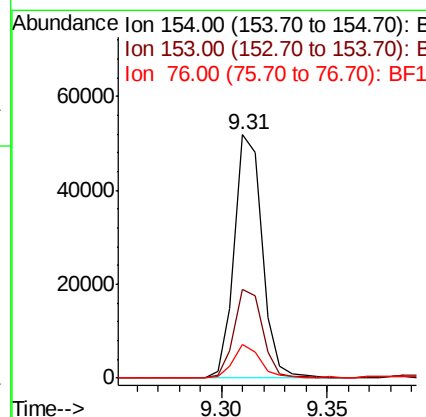
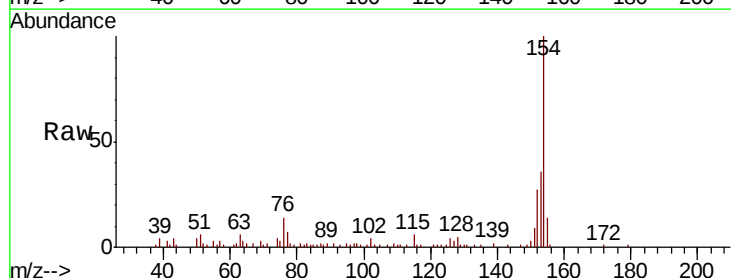
Manual Integrations
APPROVED

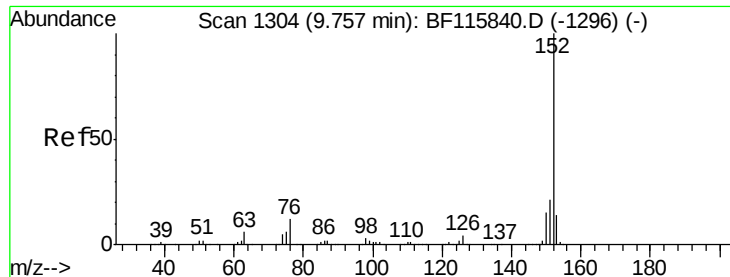
mohammad
8/1/2019 5:07:18 PM



#46
1,1'-Biphenyl
Concen: 2.927 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	36.5	20.9	60.9
76	13.6	0.0	34.3





#49

Acenaphthylene

Concen: 45.289 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Instrument :

BNA_F

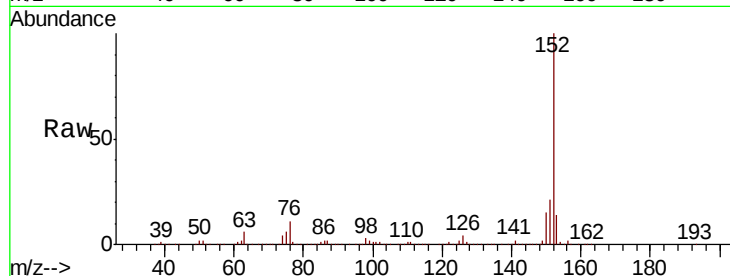
ClientSampleId :

SP-4

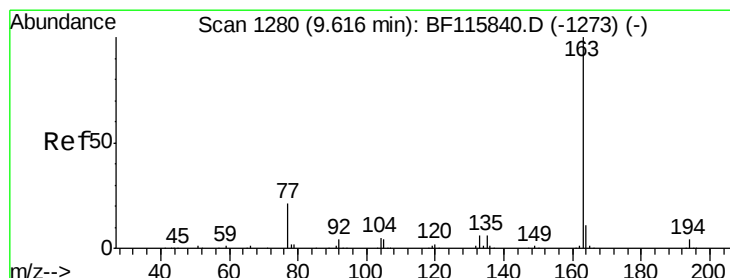
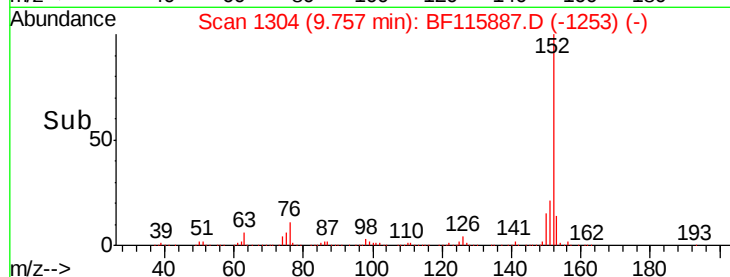
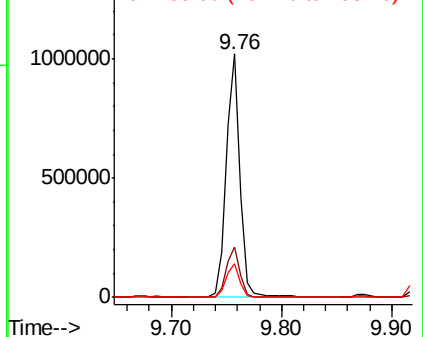
Tot Ion:	152	Resp:	886569
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.8	25.2
153	14.1	11.6	17.4

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.264 ng

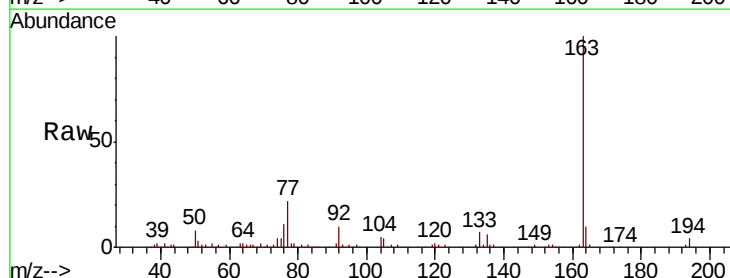
RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

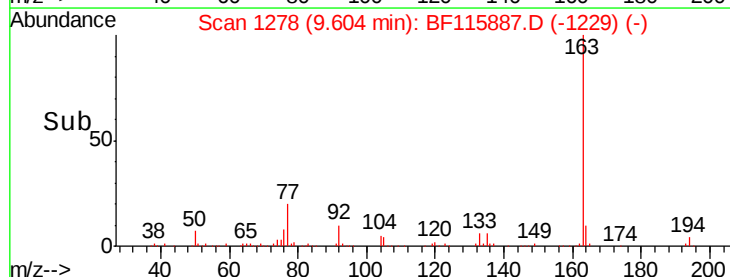
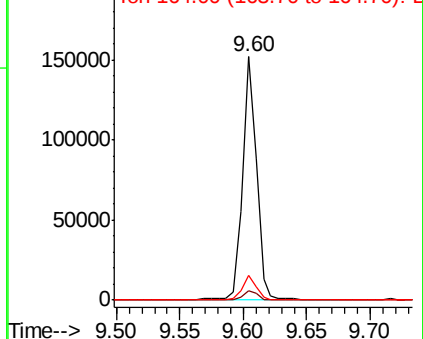
Lab File: BF115887.D

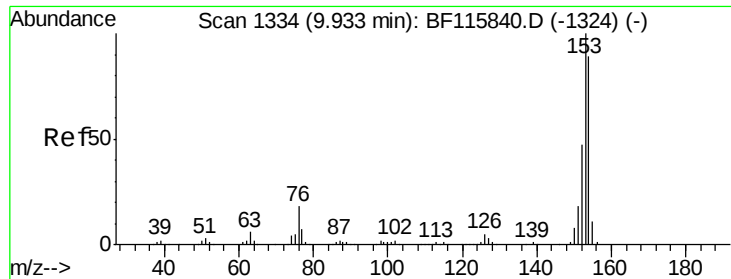
Acq: 1 Aug 2019 00:45

Tgt Ion:	163	Resp:	112944
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.2	8.4	12.6



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: 16.506 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Instrument :

BNA_F

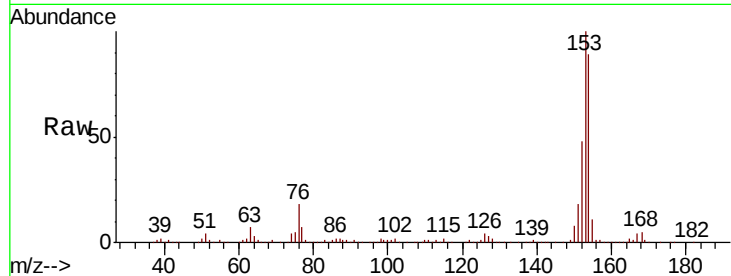
ClientSampleId :

SP-4

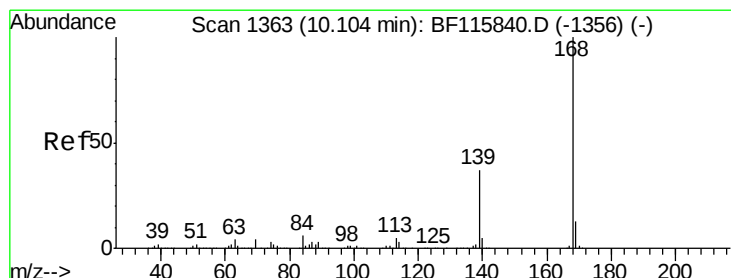
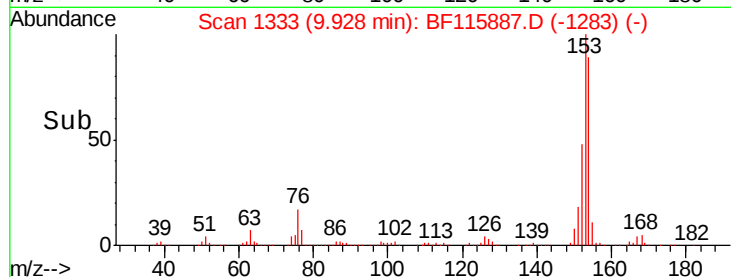
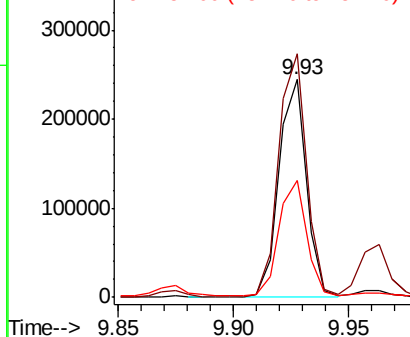
Tot Ion:	154	Resp:	198230
Ion Ratio	Lower	Upper	
154	100		
153	111.8	90.1	135.1
152	53.6	42.6	63.8

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM



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



#55

Dibenzofuran

Concen: 20.687 ng

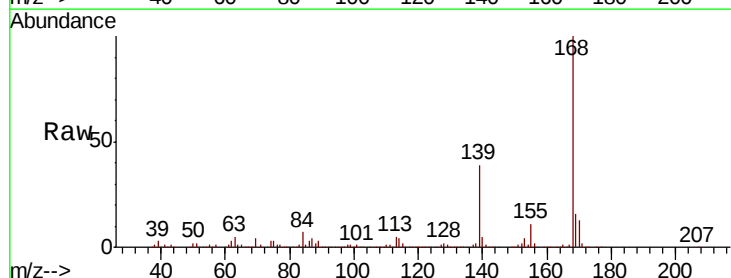
RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

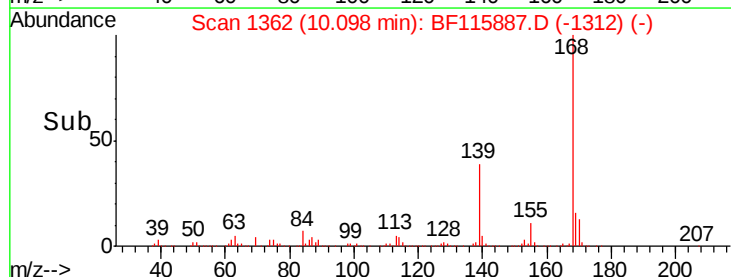
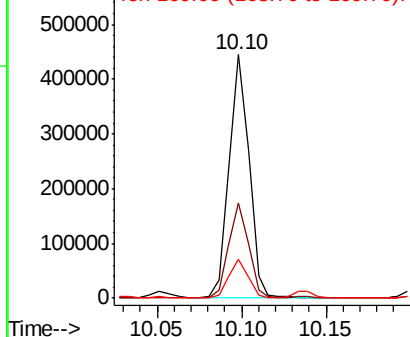
Lab File: BF115887.D

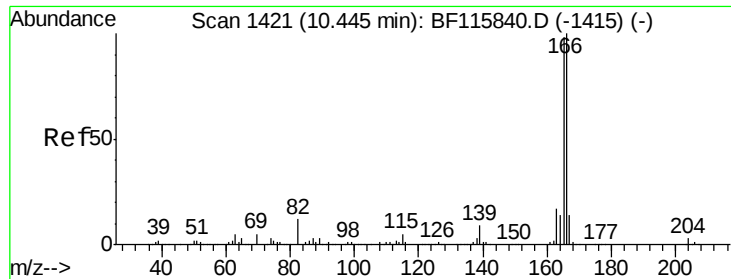
Acq: 1 Aug 2019 00:45

Tgt Ion:	168	Resp:	361297
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.2	45.2
169	15.8	10.8	16.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





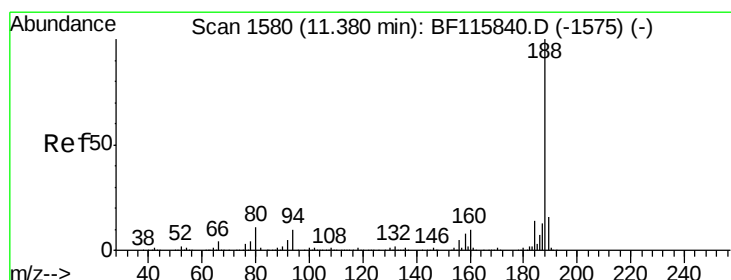
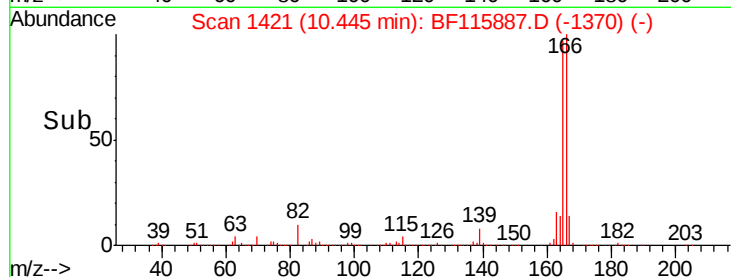
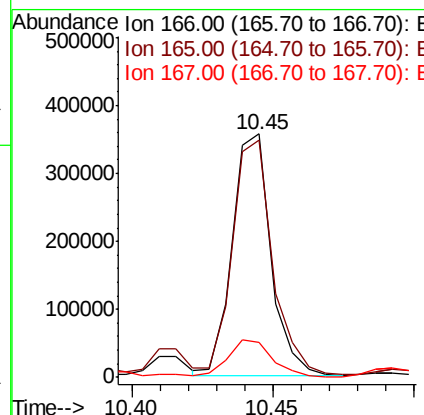
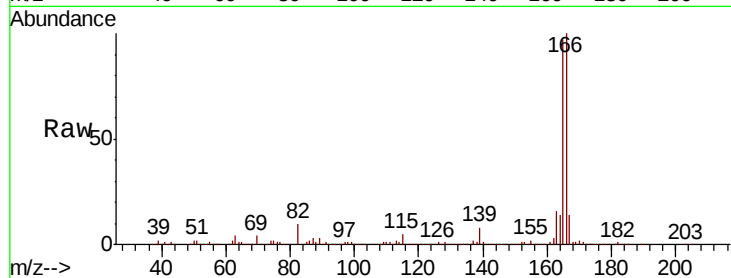
#58
 Fluorene
 Concen: 25.181 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.00 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Resp	Lower	Upper
166	100	338362		
165	97.5	78.6	118.0	
167	14.3	10.9	16.3	

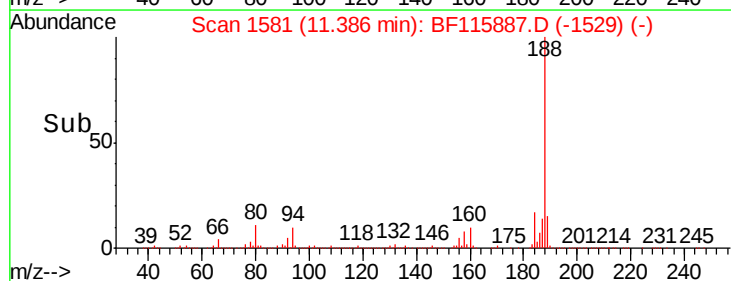
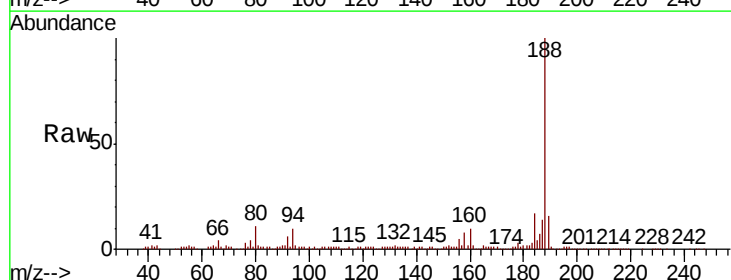
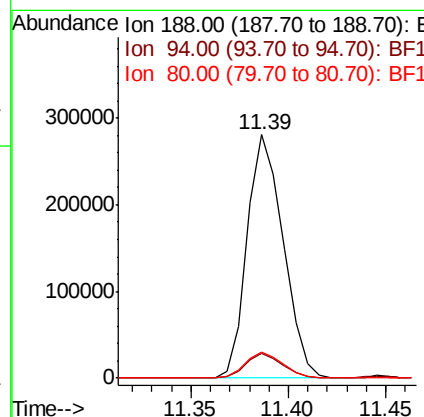
Manual Integrations
 APPROVED

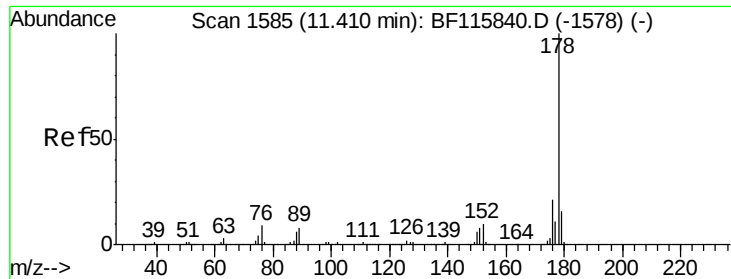
mohammad
 8/1/2019 5:07:18 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	357926		
94	9.9	8.0	12.0	
80	10.7	8.6	12.8	





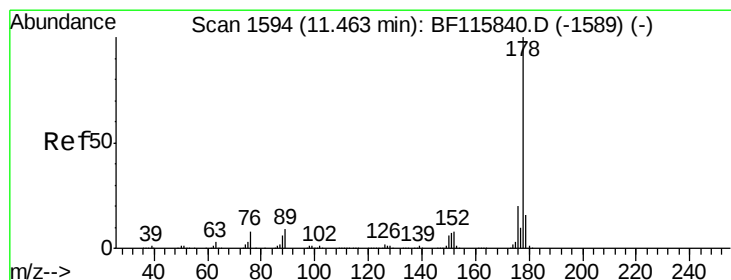
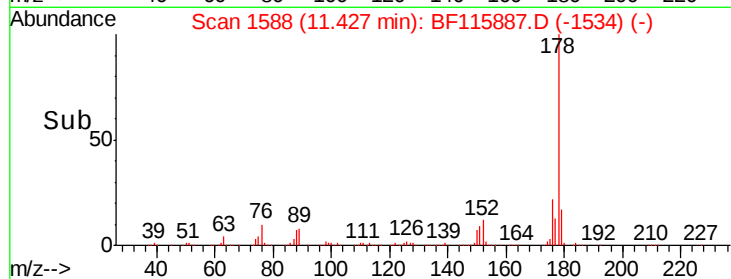
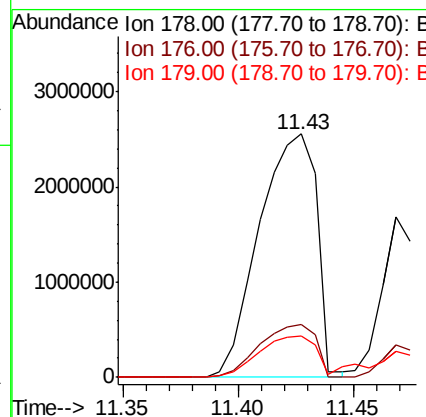
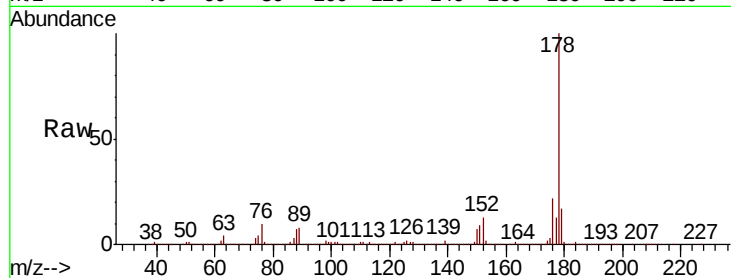
#71
 Phenanthrene
 Concen: 239.488 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.02 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion:178 Resp: 4382139
 Ion Ratio Lower Upper
 178 100
 176 22.0 16.5 24.7
 179 17.1 12.6 18.8

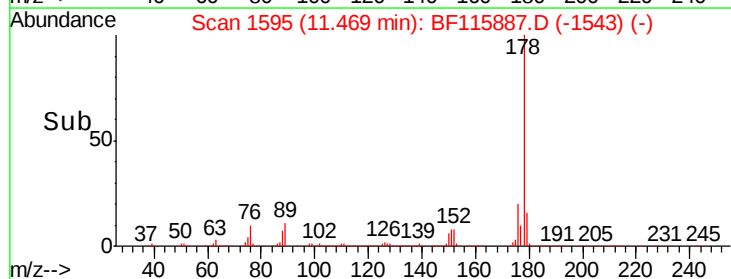
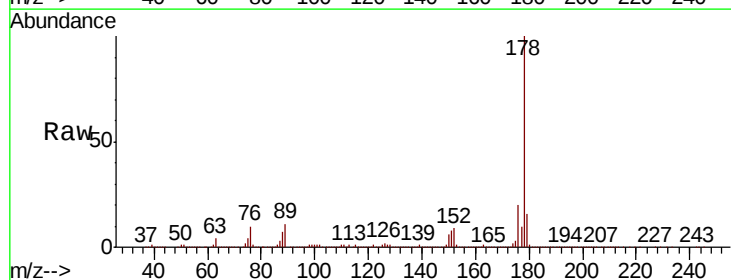
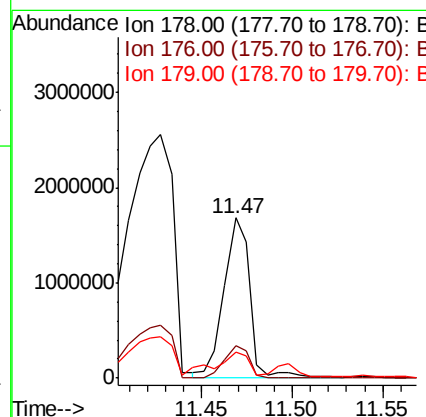
Manual Integrations
 APPROVED

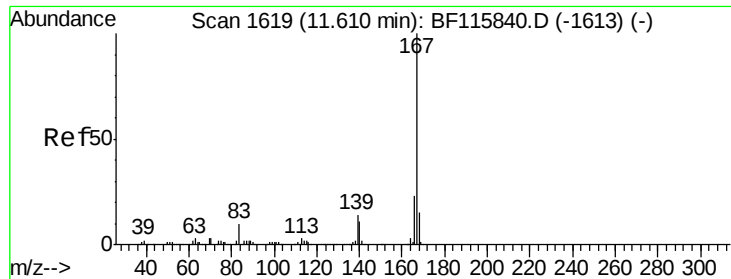
mohammad
 8/1/2019 5:07:18 PM



#72
 Anthracene
 Concen: 89.392 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Tgt Ion:178 Resp: 1655392
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.7 23.5
 179 16.4 12.4 18.6





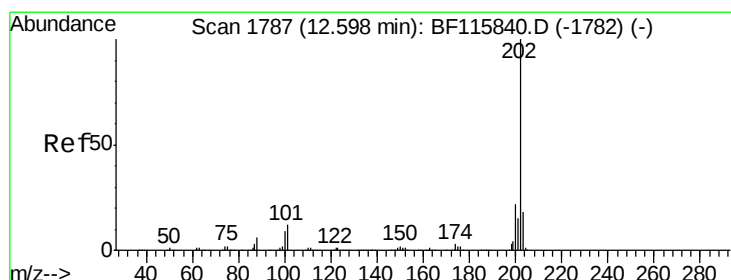
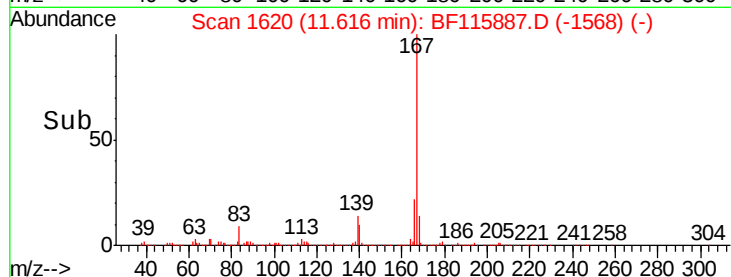
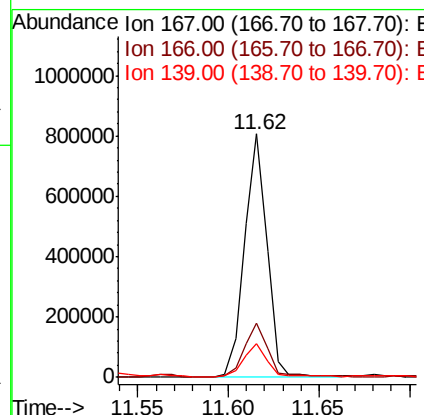
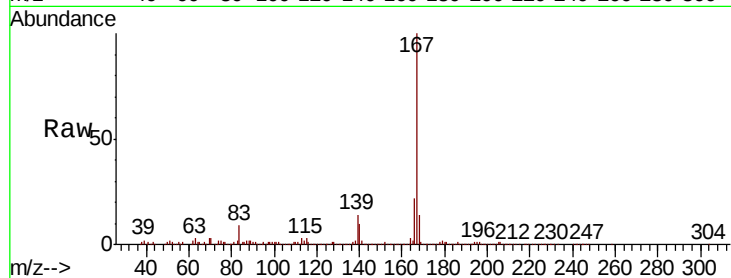
#73
 Carbazole
 Concen: 40.779 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.0	27.0
139	13.8	11.4	17.2

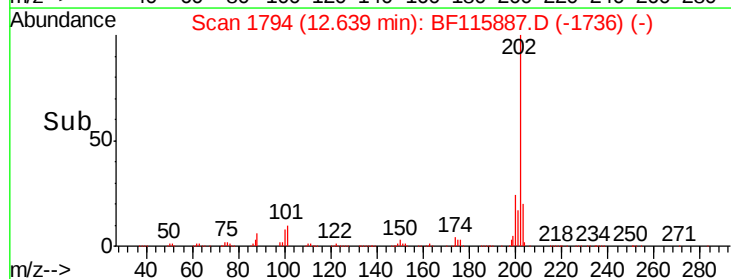
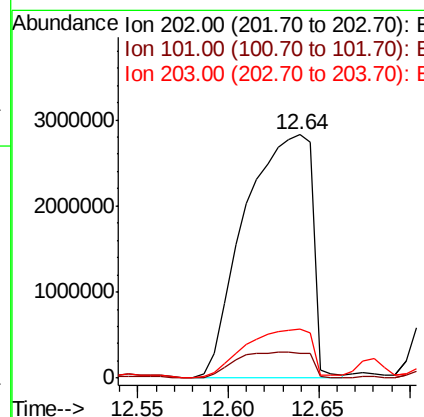
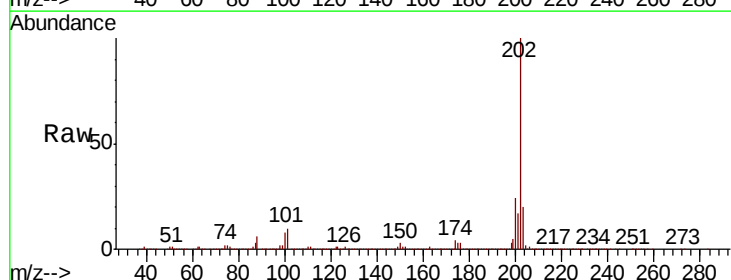
Manual Integrations
 APPROVED

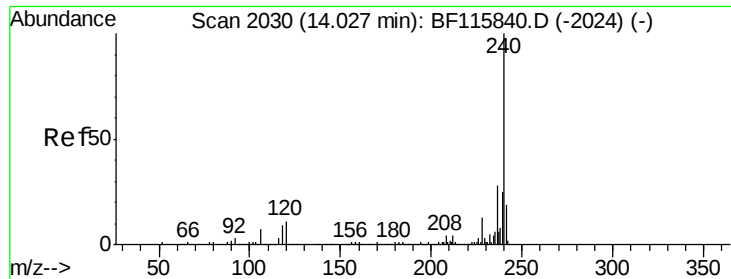
mohammad
 8/1/2019 5:07:18 PM



#75
 Fluoranthene
 Concen: 380.399 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.04 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.5
203	20.1	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.04 min

Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Instrument :

BNA_F

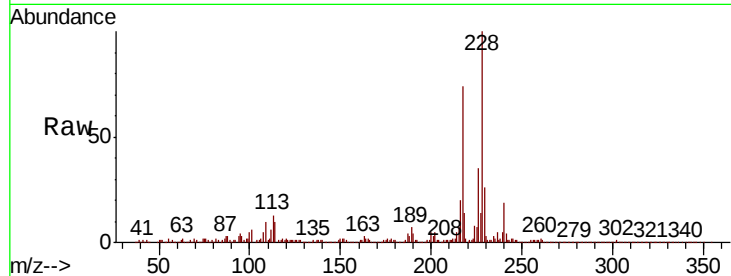
ClientSampleId :

SP-4

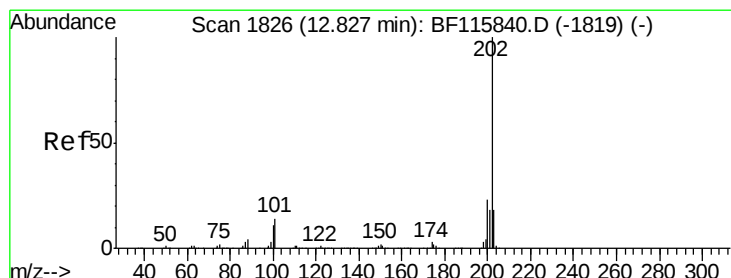
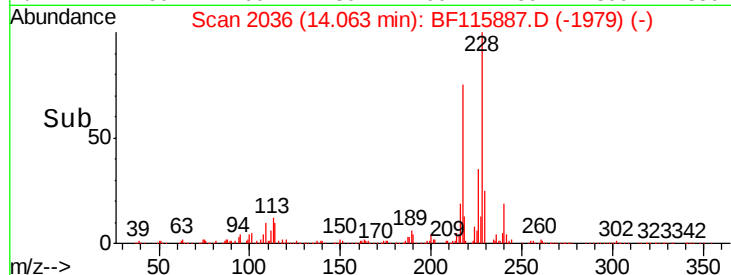
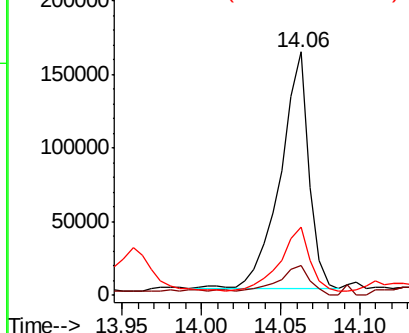
Tot Ion:	240	Resp:	199205
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.5	12.7
236	28.2	22.2	33.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 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: 430.773 ng

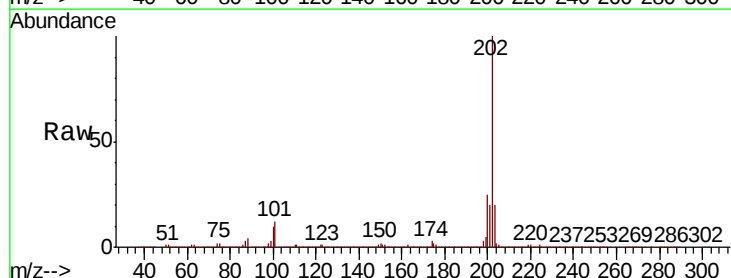
RT: 12.87 min Scan# 1834

Delta R.T. 0.05 min

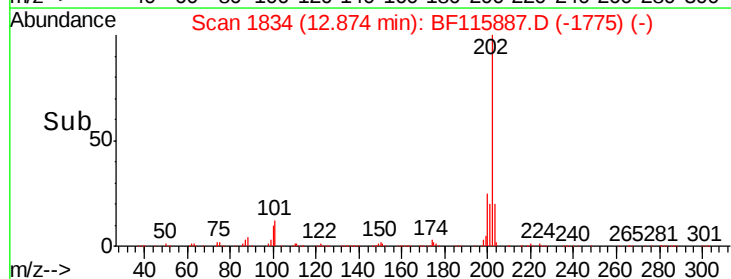
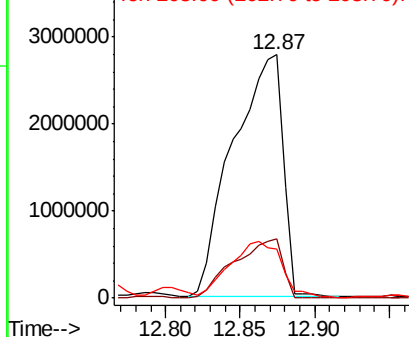
Lab File: BF115887.D

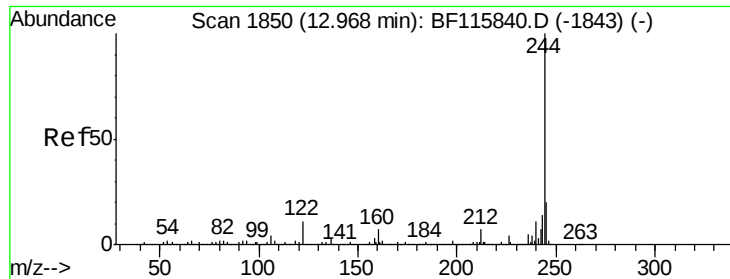
Acq: 1 Aug 2019 00:45

Tgt Ion:	202	Resp:	6468640
Ion Ratio	Lower	Upper	
202	100		
200	24.6	18.2	27.2
203	20.2	14.3	21.5



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: 47.070 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Instrument :

BNA_F

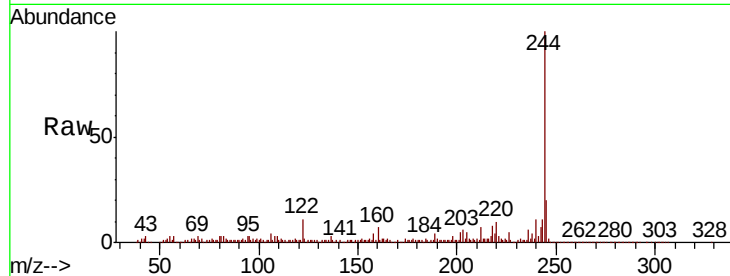
ClientSampleId :

SP-4

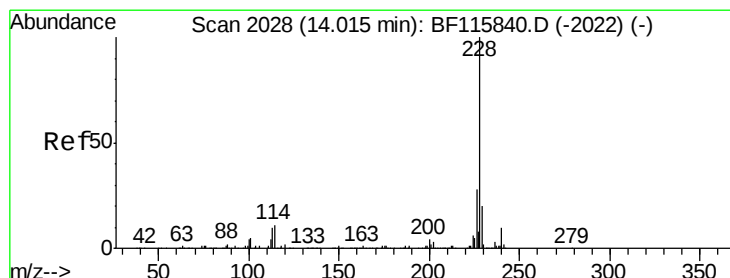
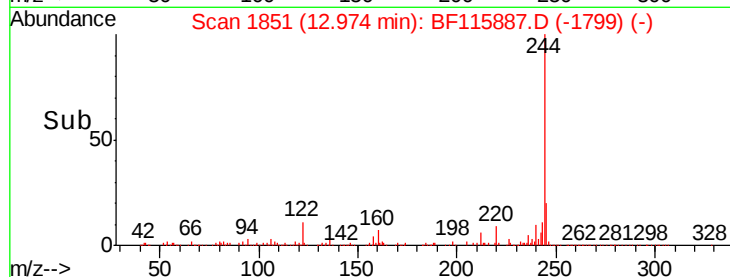
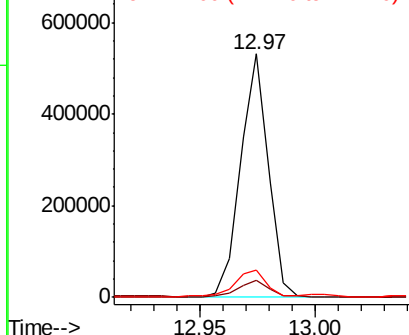
Tot Ion:	244	Resp:	444989
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	11.4	8.6	13.0

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 351.642 ng

RT: 14.05 min Scan# 2034

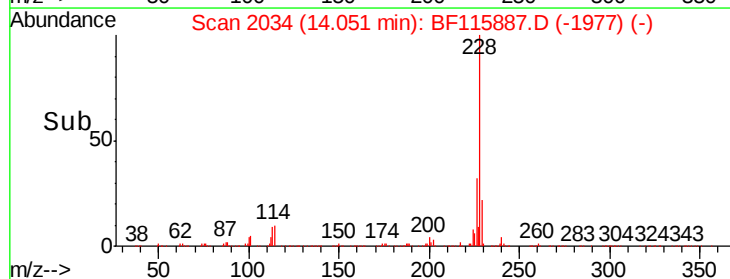
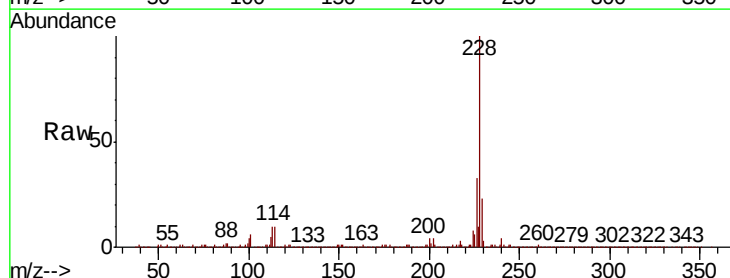
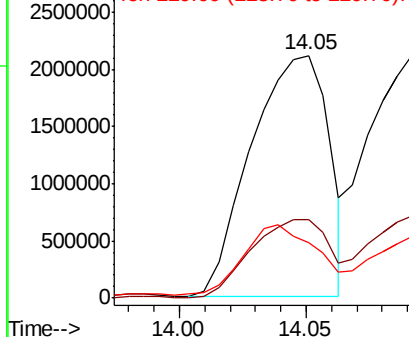
Delta R.T. 0.04 min

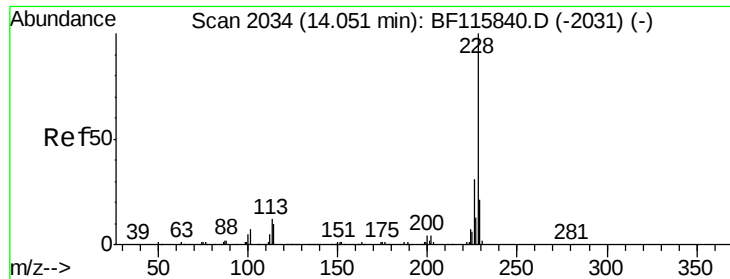
Lab File: BF115887.D

Acq: 1 Aug 2019 00:45

Tgt Ion:	228	Resp:	4477277
Ion Ratio	Lower	Upper	
228	100		
226	32.5	22.5	33.7
229	22.7	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





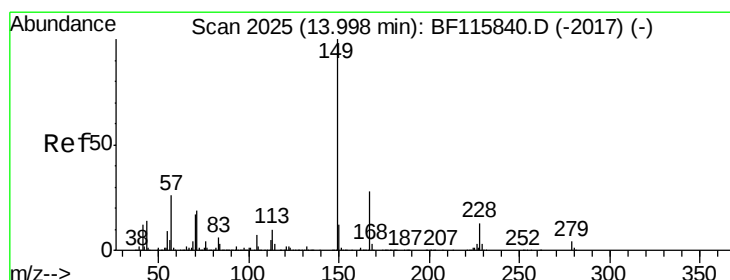
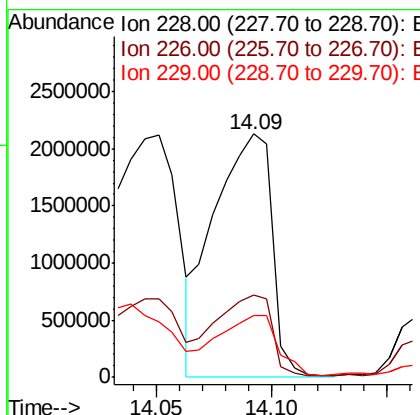
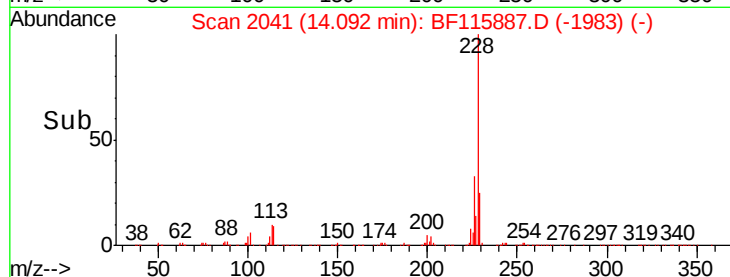
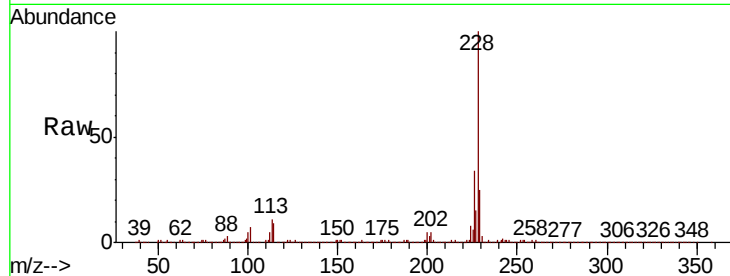
#83
 Chrvsene
 Concen: 304.868 ng/ml
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.04 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	24.8	37.2
229	25.5	16.4	24.6

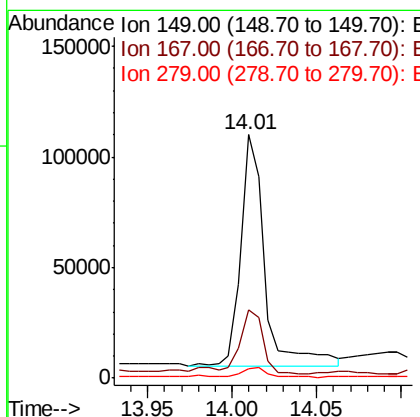
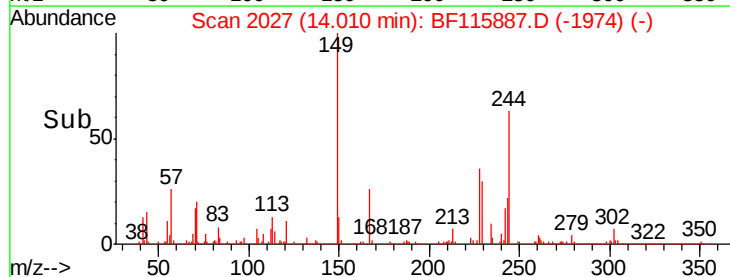
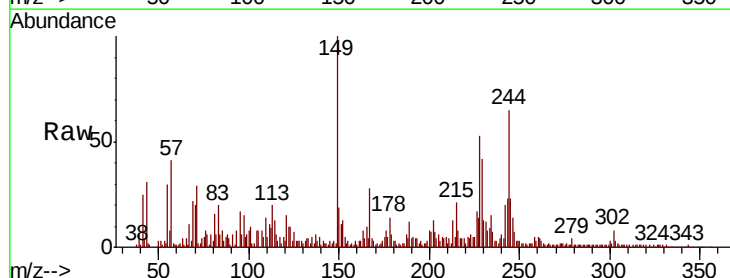
Manual Integrations
 APPROVED

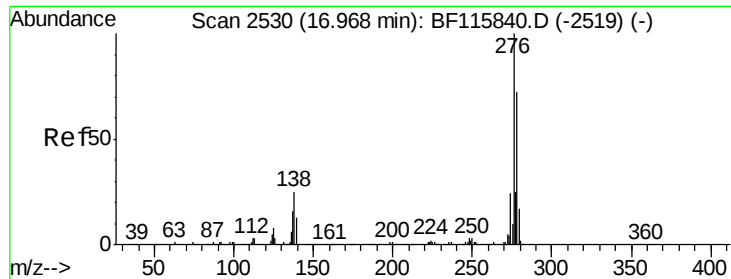
mohammad
 8/1/2019 5:07:18 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 12.510 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF115887.D
 Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	4.1	3.3	4.9





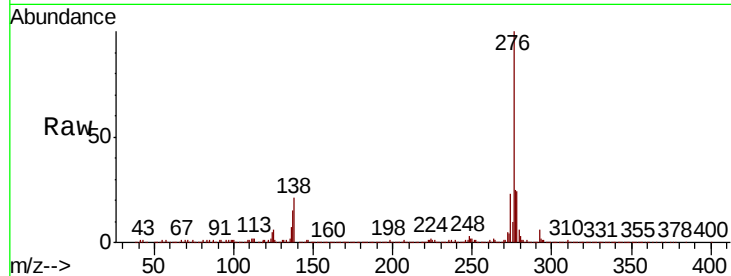
#86
Indeno(1,2,3-cd)pyrene
Concen: 212.063 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.08 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.6	29.4
277	25.0	20.1	30.1

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM

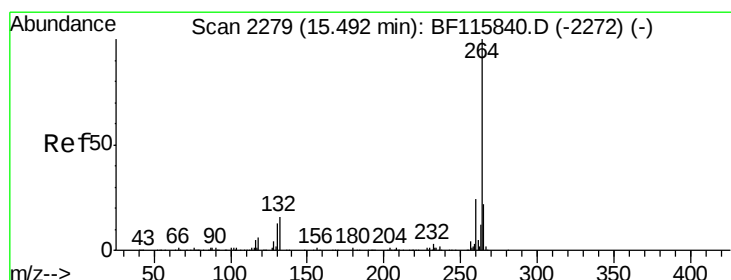
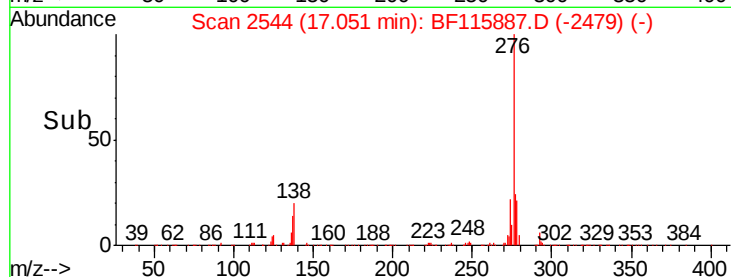
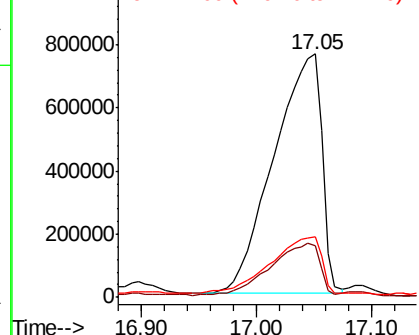


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.04 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

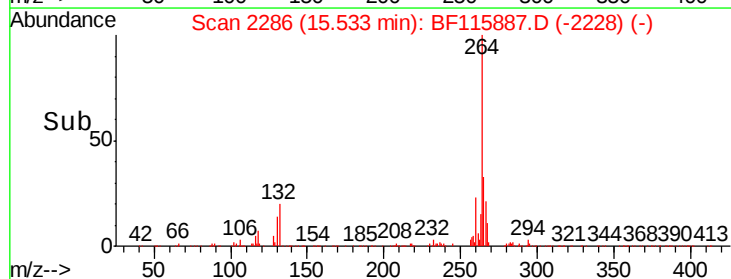
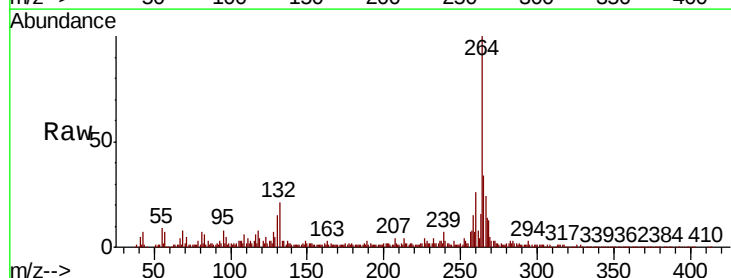
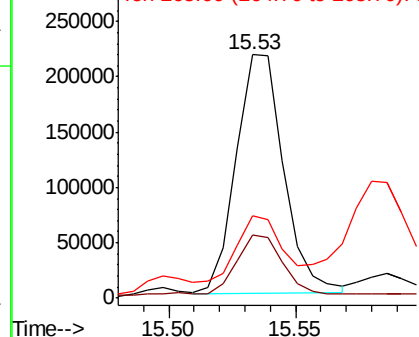
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.4	29.2
265	34.0	17.5	26.3#

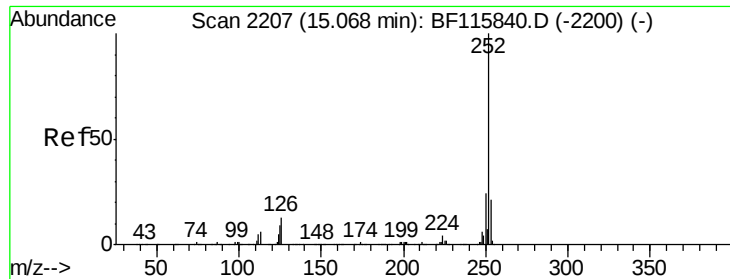
Abundance

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





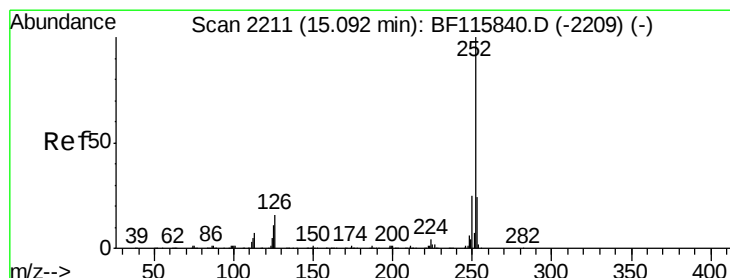
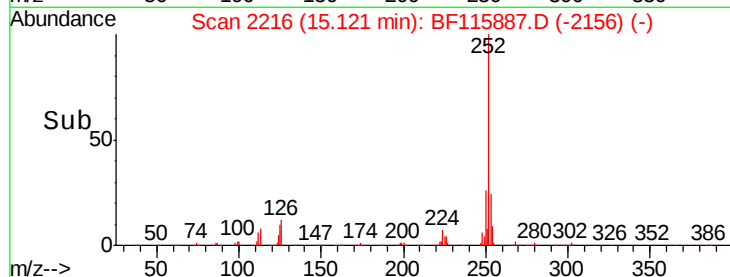
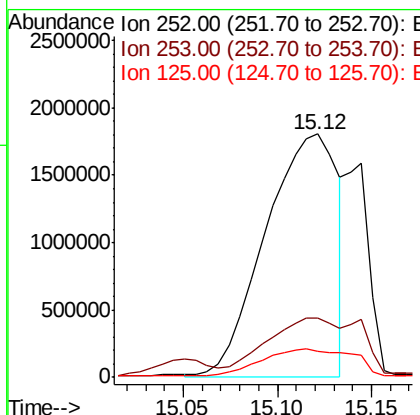
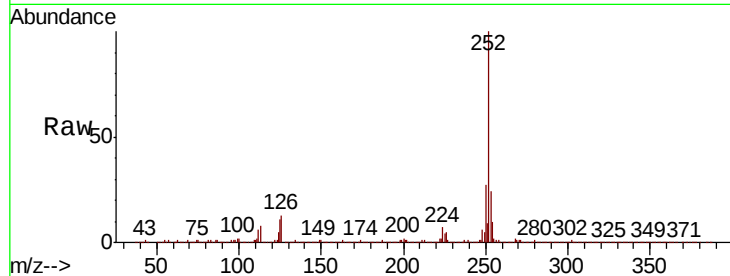
#88
Benzo(b)fluoranthene
Concen: 297.996 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.05 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion:252 Resp: 4845173
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 10.8 7.4 11.0

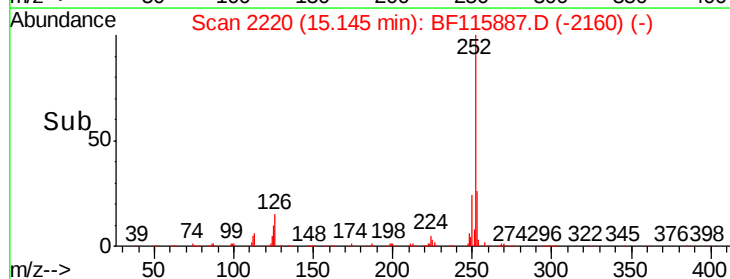
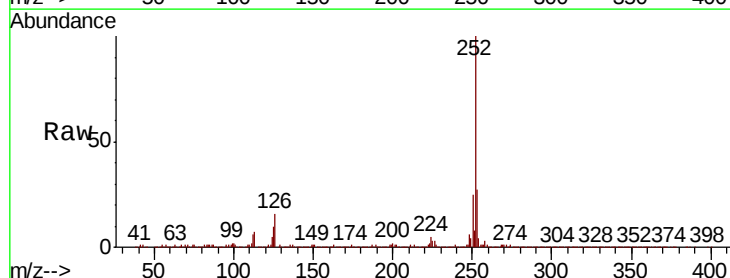
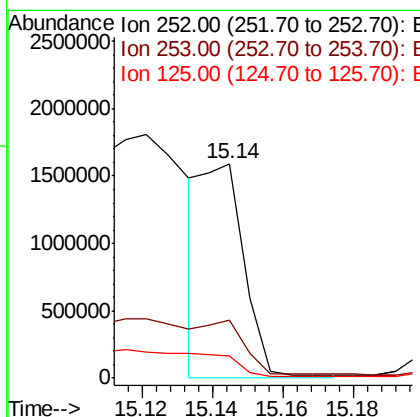
Manual Integrations
APPROVED

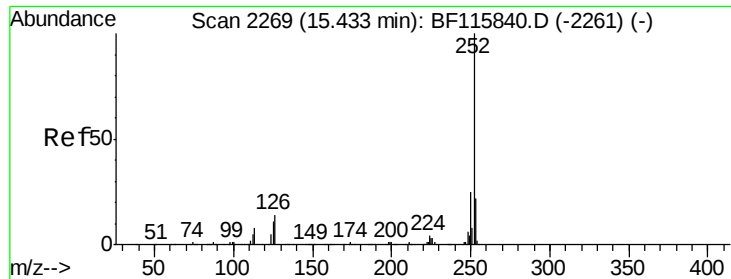
mohammad
8/1/2019 5:07:18 PM



#89
Benzo(k)fluoranthene
Concen: 85.311 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.05 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Tgt Ion:252 Resp: 1351034
Ion Ratio Lower Upper
252 100
253 26.8 18.2 27.4
125 10.5 8.9 13.3





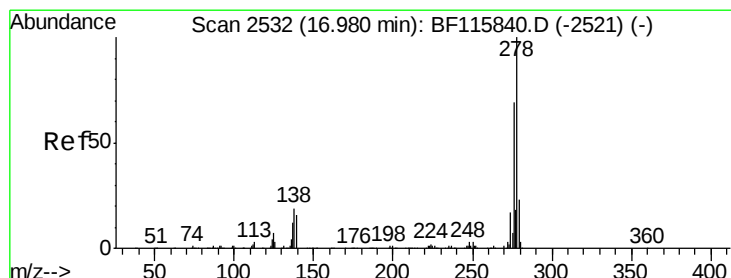
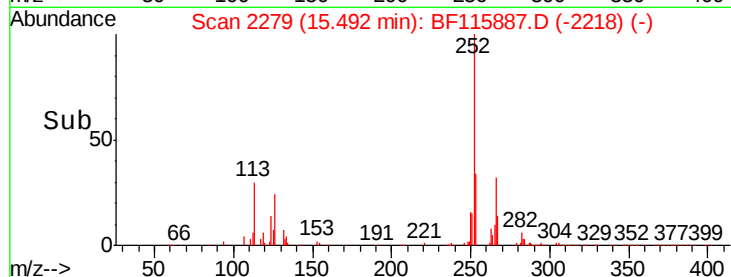
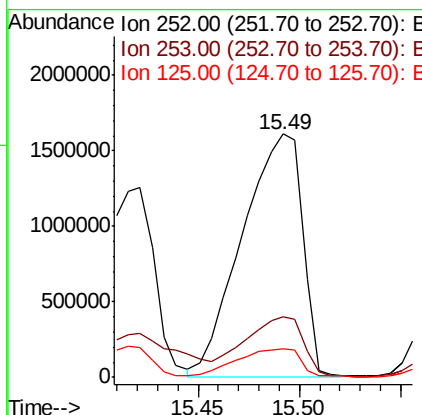
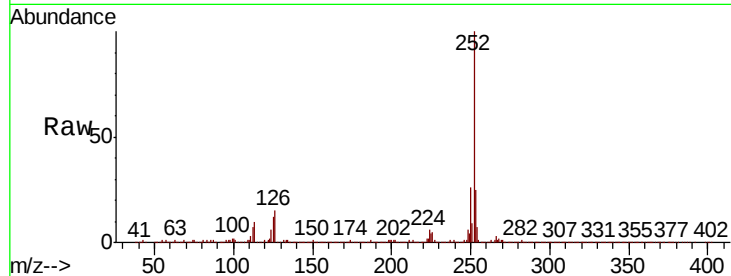
#90
Benzo(a)pyrene
Concen: 229.393 ng m
RT: 15.49 min Scan# 2279
Delta R.T. 0.06 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	11.8	8.8	13.2

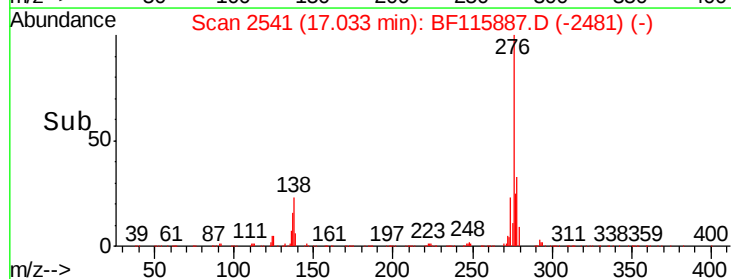
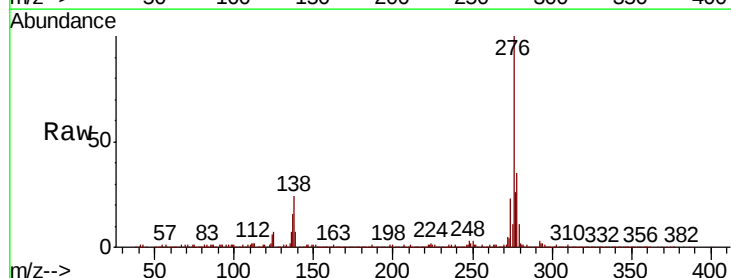
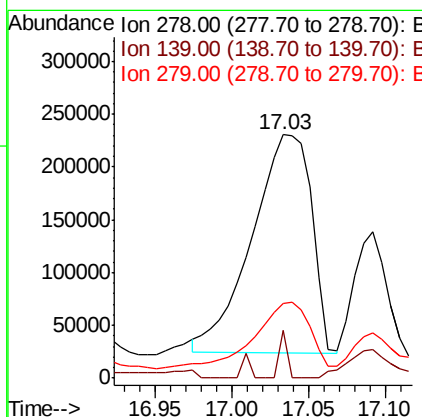
Manual Integrations
APPROVED

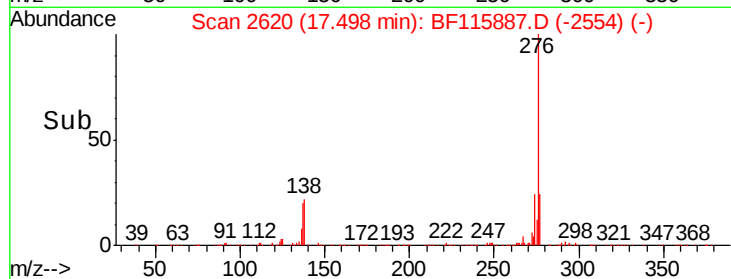
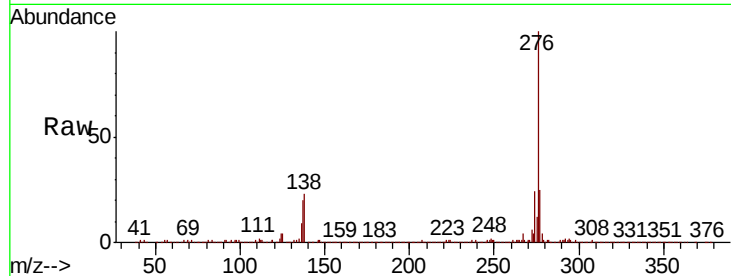
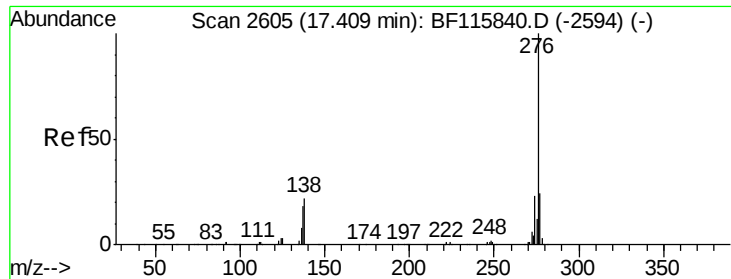
mohammad
8/1/2019 5:07:18 PM



#91
Dibenzo(a,h)anthracene
Concen: 44.254 ng m
RT: 17.03 min Scan# 2541
Delta R.T. 0.05 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.5	12.6	19.0#
279	30.8	18.8	28.2#





#92
Benzo(a,h,i)perylene
Concen: 164.454 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.09 min
Lab File: BF115887.D
Acq: 1 Aug 2019 00:45

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.5	29.3
138	22.9	17.8	26.8

Manual Integrations
APPROVED

mohammad
8/1/2019 5:07:18 PM

