

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114677.D
 Acq On : 30 May 2019 23:01
 Operator : HP/JU
 Sample : K3068-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6S(7-8)

Manual Integrations
 APPROVED

mohammad
 6/3/2019 8:47:37 AM

Quant Time: Jun 07 02:36:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	385312	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1431065	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	645636	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1089966	20.00	ng	0.00
76) Chrysene-d12	13.82	240	737594	20.00	ng	0.00
87) Perylene-d12	15.21	264	669887	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	2110791	96.18	ng	0.01
7) Phenol-d6	6.33	99	2567368	97.08	ng	0.00
23) Nitrobenzene-d5	7.26	82	1572379	68.55	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	536874	87.27	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2601637	73.54	ng	0.00
79) Terphenyl-d14	12.78	244	2264662	57.73	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.34	94	85026	2.661	ng	84
49) Acenaphthylene	9.58	152	204048	3.360	ng	97
50) Dimethylphthalate	9.44	163	292740	6.507	ng	99
52) Acenaphthene	9.75	154	133282	3.578	ng	97
71) Phenanthrene	11.22	178	2475094	44.515	ng	99
72) Anthracene	11.27	178	662844	11.779	ng	97
73) Carbazole	11.42	167	248057	5.016	ng	96
75) Fluoranthene	12.41	202	3410614	59.240	ng	98
78) Pyrene	12.63	202	3514103	56.321	ng	98
81) Benzo(a)anthracene	13.81	228	2001001	35.303	ng	97
83) Chrysene	13.85	228	1795529	33.156	ng	97
86) Indeno(1,2,3-cd)pyrene	16.53	276	752877	13.881	ng	95
88) Benzo(b)fluoranthene	14.83	252	1886932m	44.722	ng	
89) Benzo(k)fluoranthene	14.84	252	605475m	16.510	ng	
90) Benzo(a)pyrene	15.16	252	1327765	35.822	ng	97
91) Dibenzo(a,h)anthracene	16.54	278	203845	6.224	ng	93
92) Benzo(g,h,i)perylene	16.93	276	697787	21.951	ng	99

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

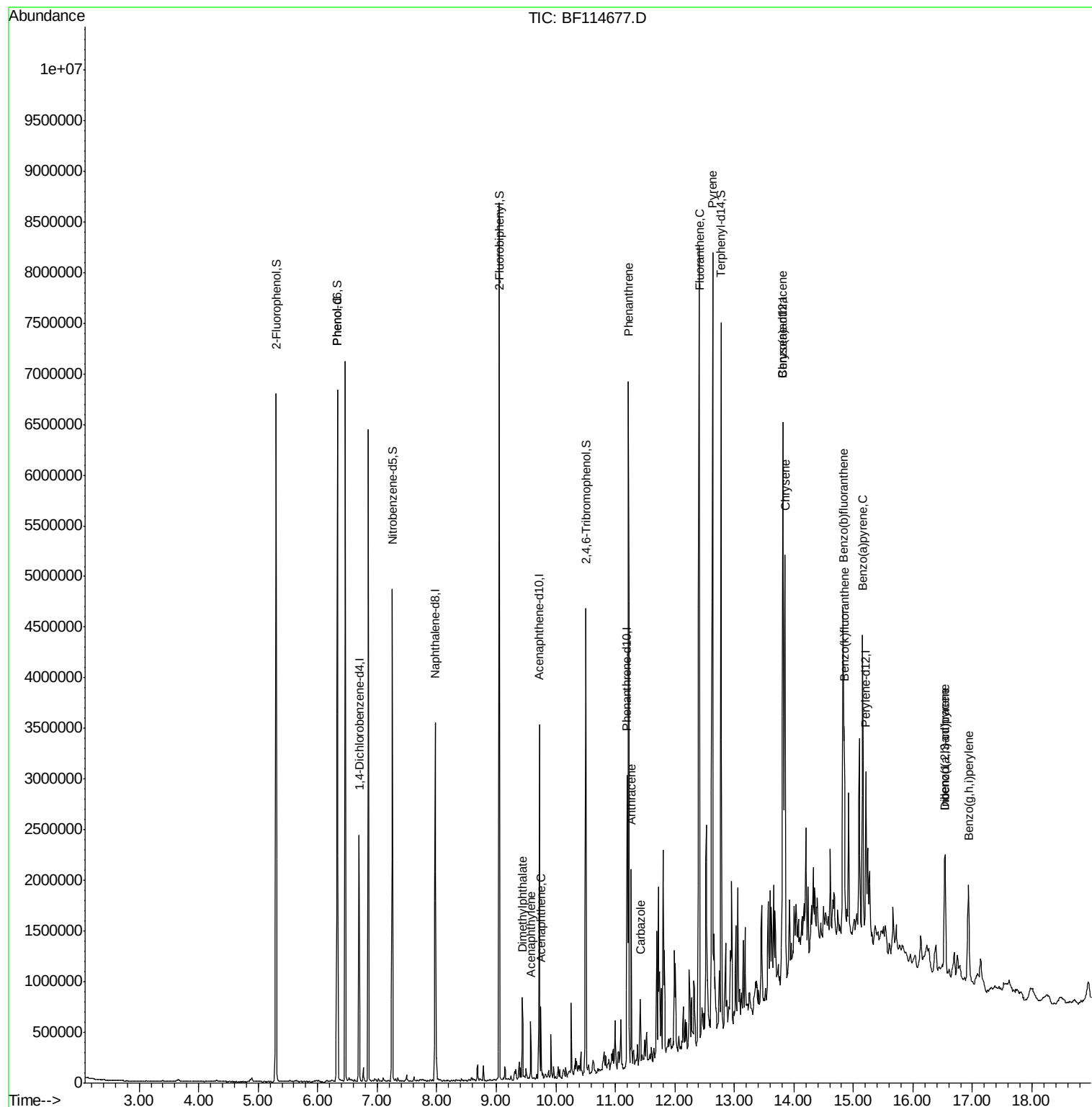
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114677.D
Acq On : 30 May 2019 23:01
Operator : HP/JU
Sample : K3068-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

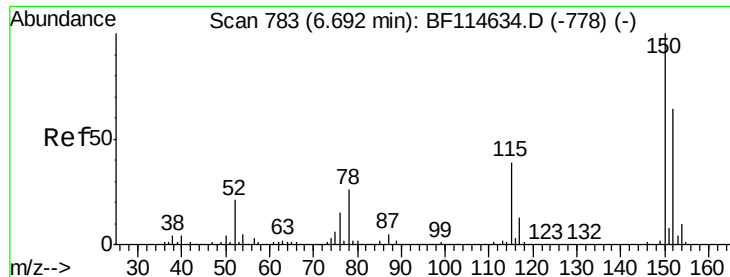
Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM

Quant Time: Jun 07 02:36:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration





#1

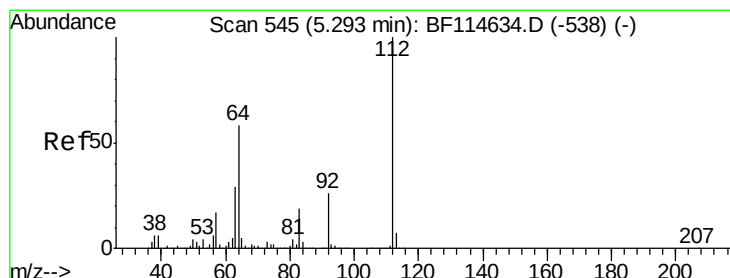
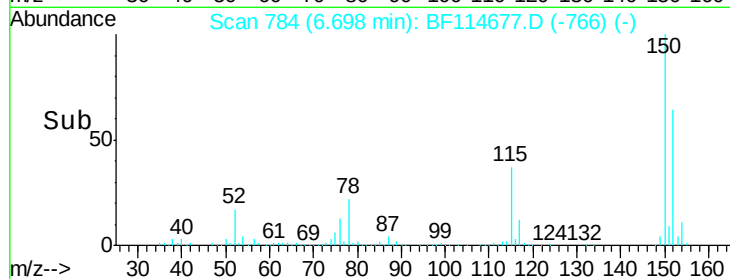
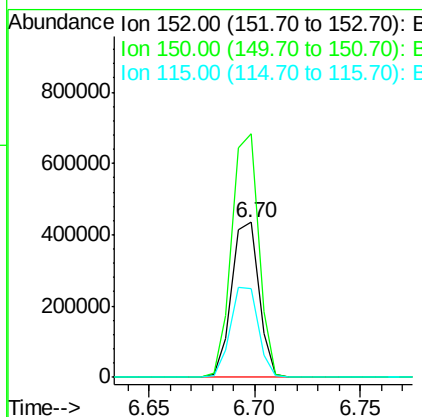
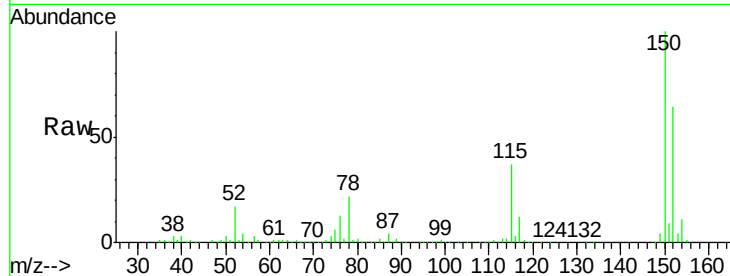
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.4	186.6
115	57.5	48.7	73.1

Manual Integrations
APPROVED

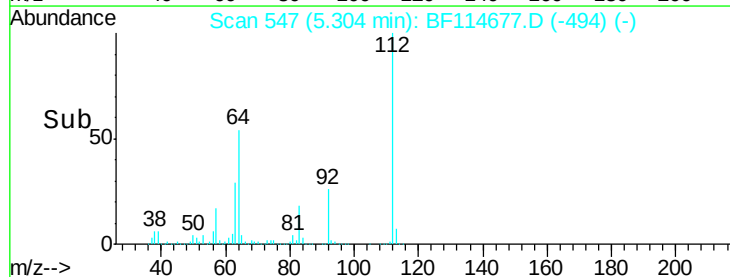
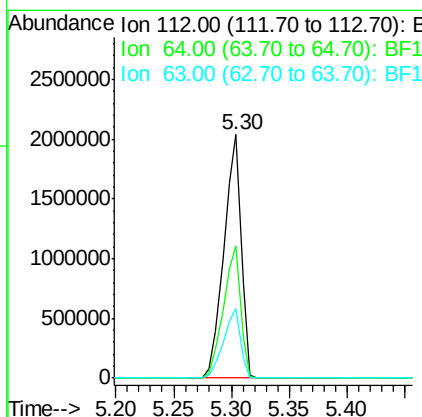
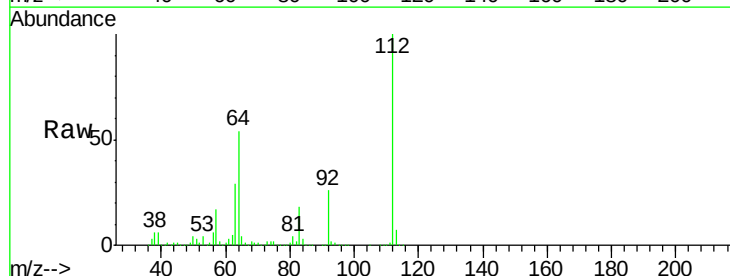
mohammad
6/3/2019 8:47:37 AM

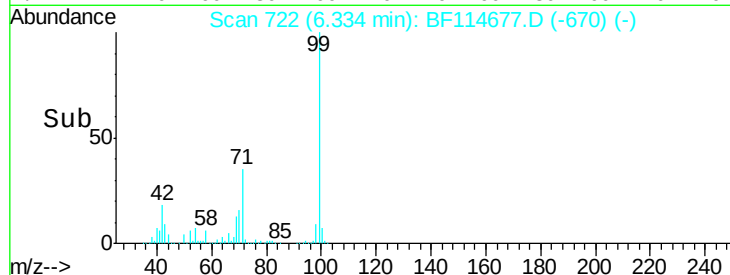
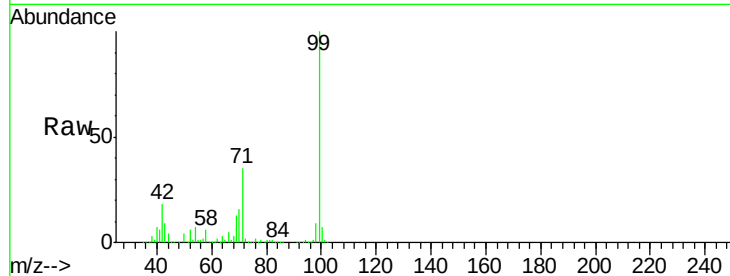
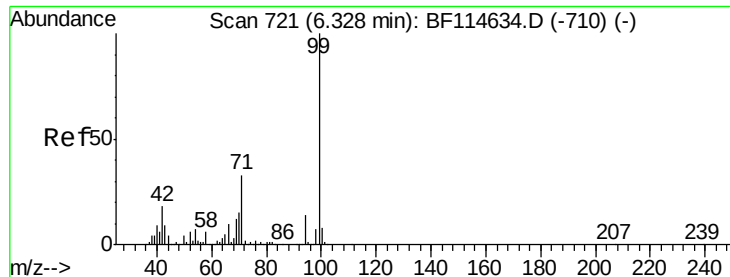


#5

2-Fluorophenol
Concen: 96.180 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.1	69.1
63	28.6	23.4	35.2





#7

Phenol-d6

Concen: 97.080 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Tot Ion:	99	Resp:	2567368
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.7	22.1
71	35.0	26.6	40.0

Instrument :

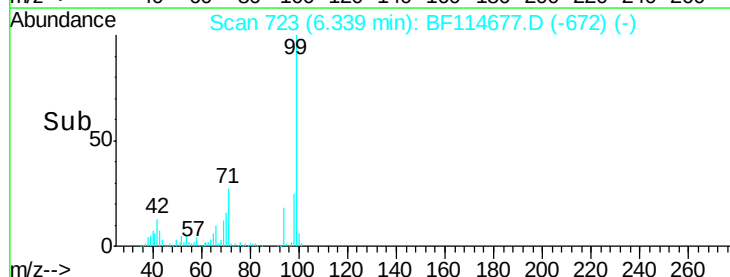
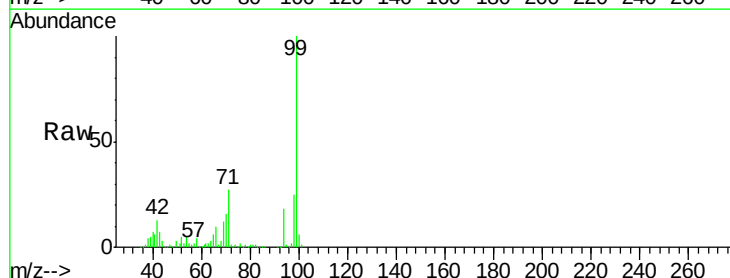
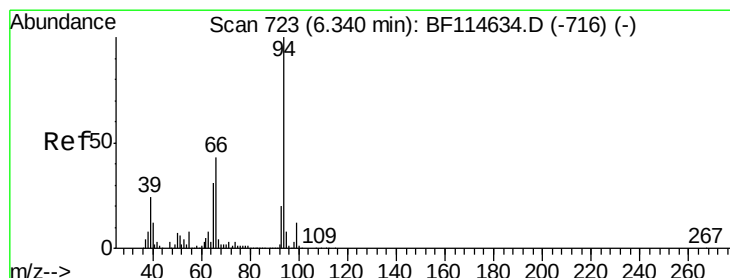
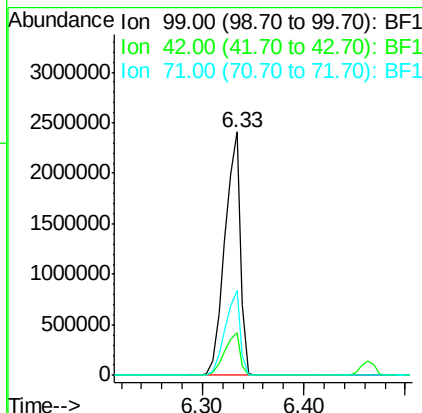
BNA_F

ClientSampleId :

B-6S(7-8)

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM



#10

Phenol

Concen: 2.661 ng

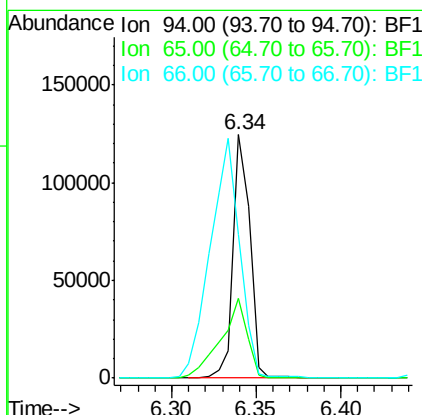
RT: 6.34 min Scan# 723

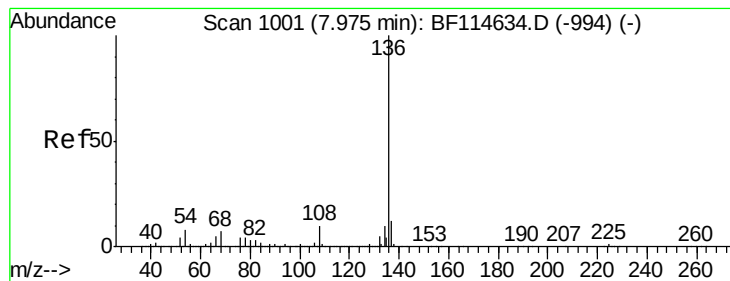
Delta R.T. -0.00 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Tgt Ion:	94	Resp:	85026
Ion	Ratio	Lower	Upper
94	100		
65	32.6	11.0	51.0
66	58.9	23.0	63.0





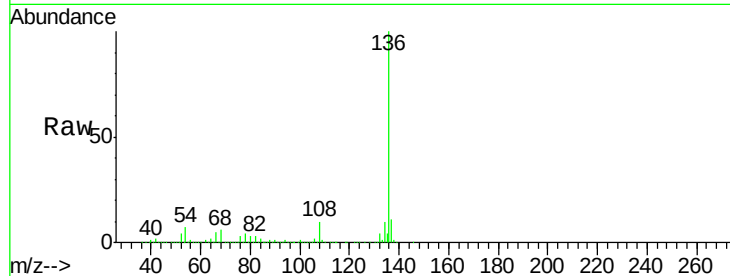
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampled :
B-6S(7-8)

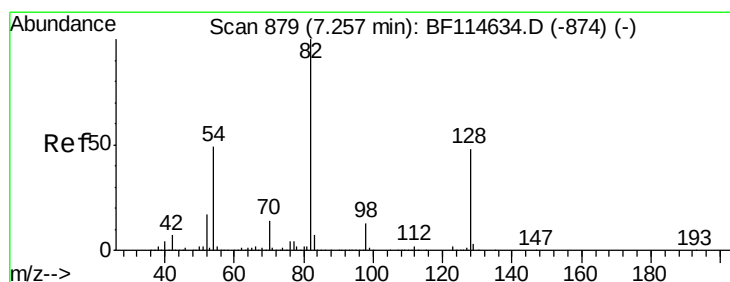
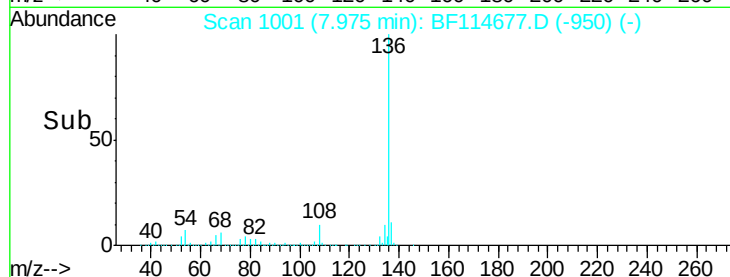
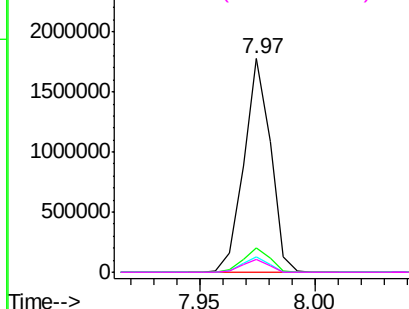
Tot Ion	136	Resp	1431065
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	7.3	6.3	9.5
68	6.1	5.4	8.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM

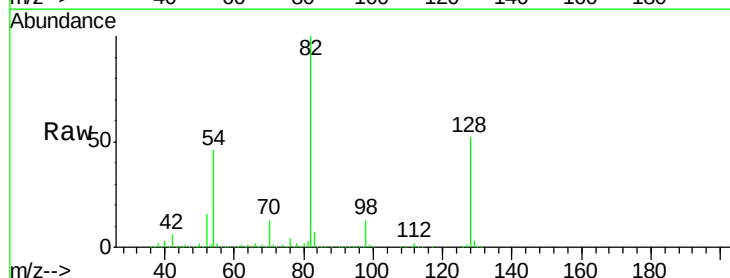


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

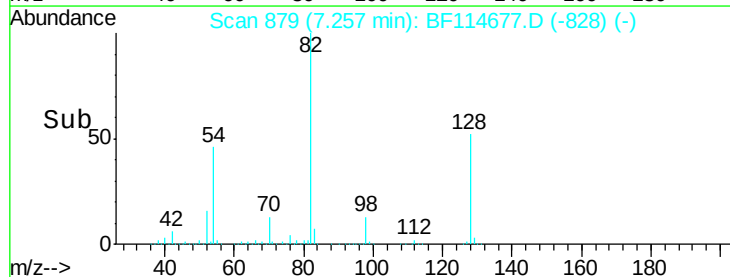
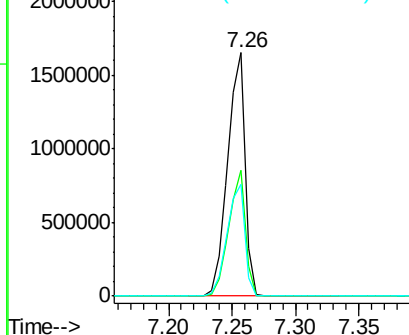


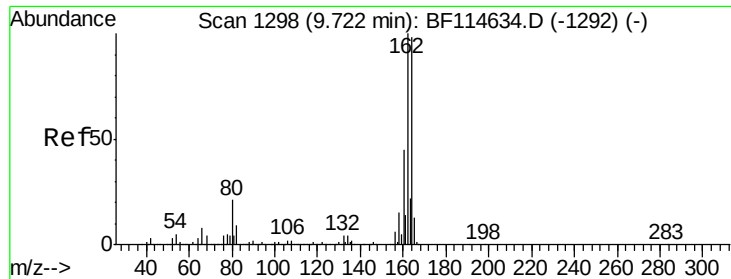
#23
Nitrobenzene-d5
Concen: 68.550 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	82	Resp	1572379
Ion	Ratio	Lower	Upper
82	100		
128	51.6	38.5	57.7
54	46.0	39.1	58.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





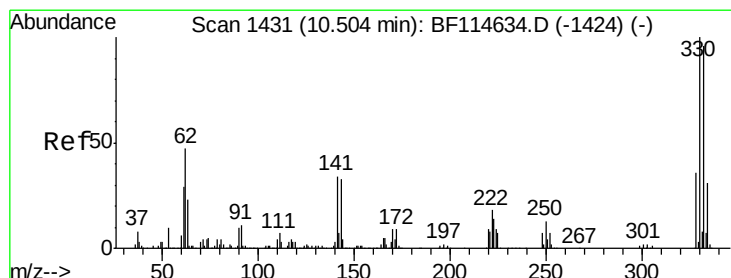
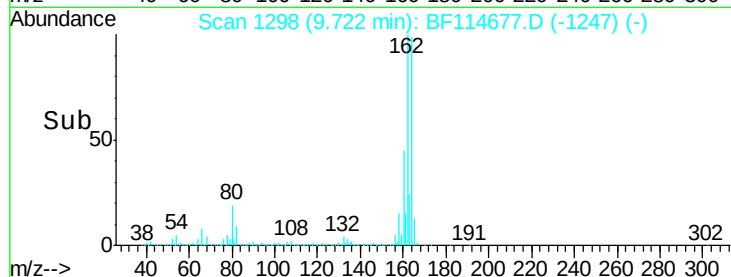
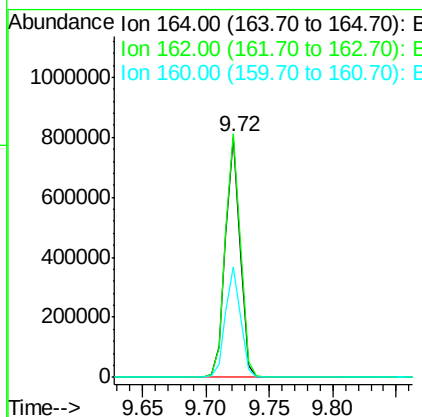
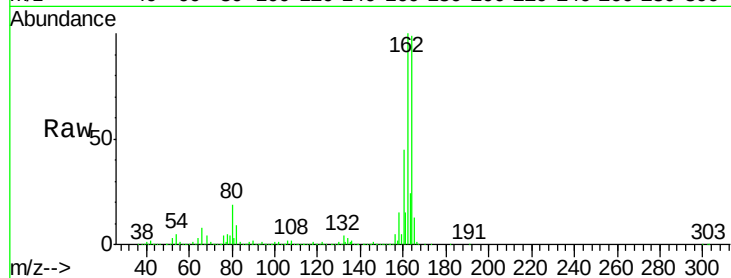
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	81.4	122.2	
160	45.9	36.6	54.8	

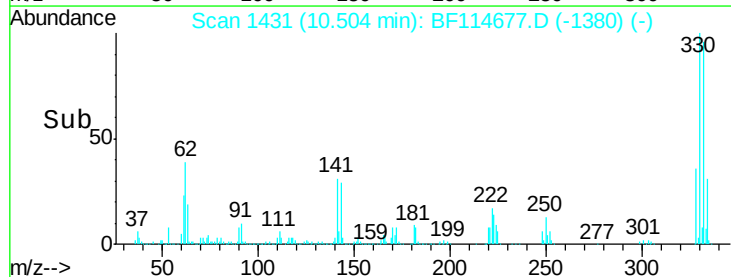
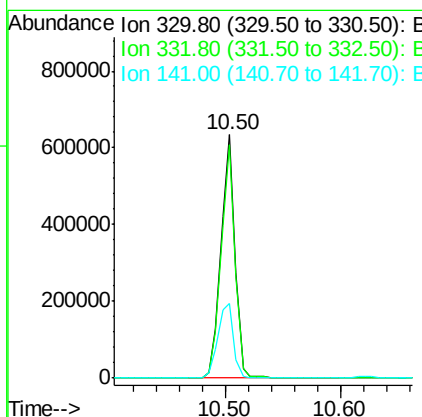
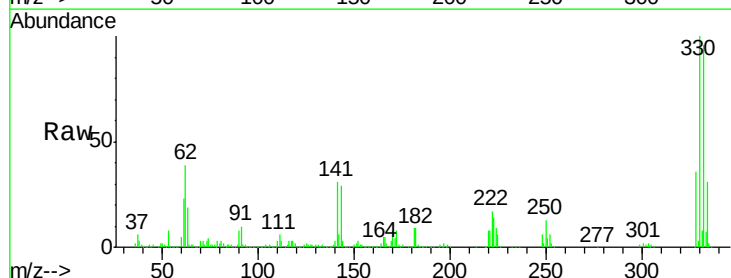
Manual Integrations
APPROVED

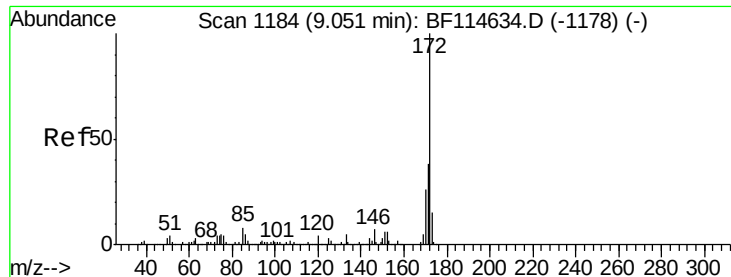
mohammad
6/3/2019 8:47:37 AM



#42
2,4,6-Tribromophenol
Concen: 87.270 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	75.8	113.8	
141	34.0	27.8	41.8	





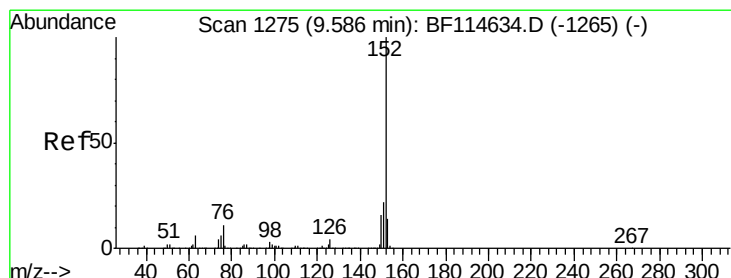
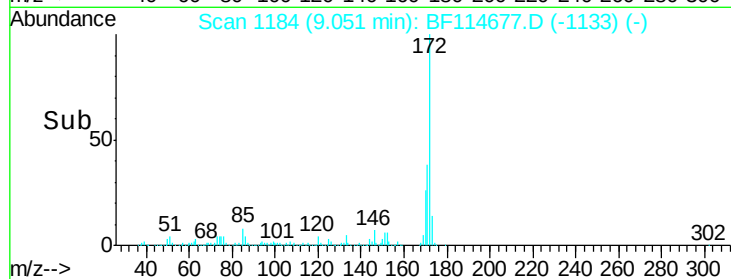
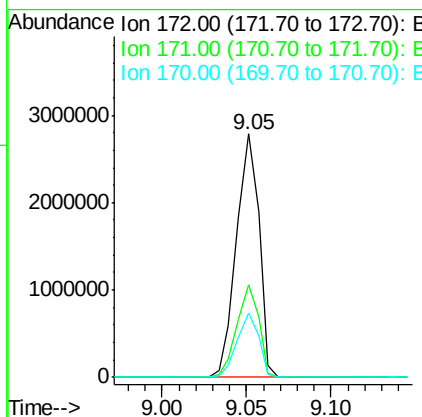
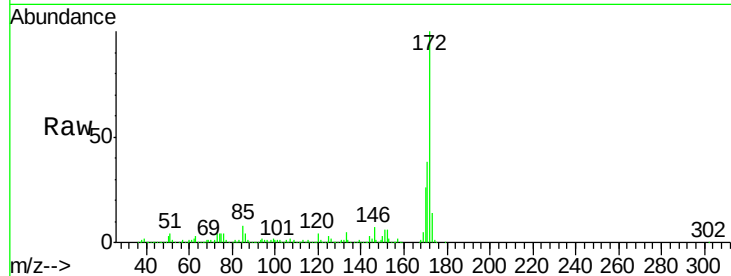
#45
2-Fluorobiphenyl
Concen: 73.537 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.6	45.8
170	26.4	20.7	31.1

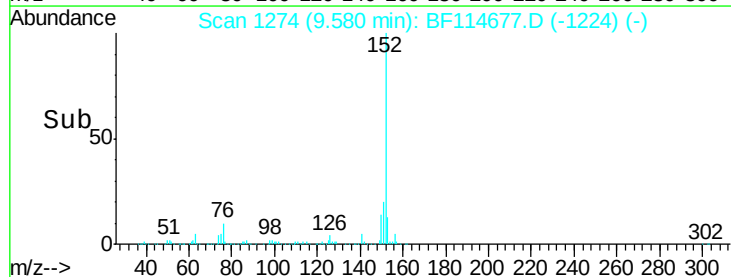
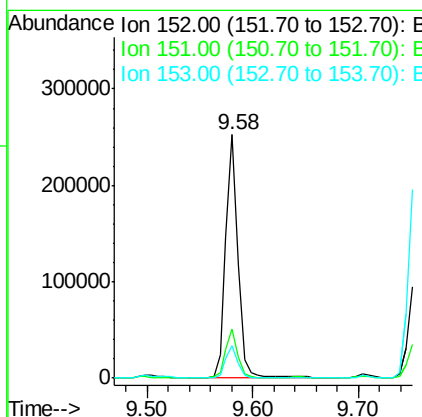
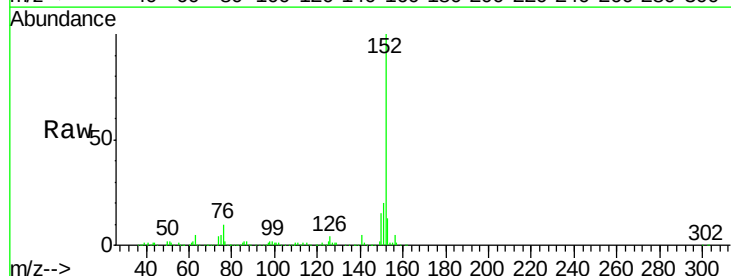
Manual Integrations
APPROVED

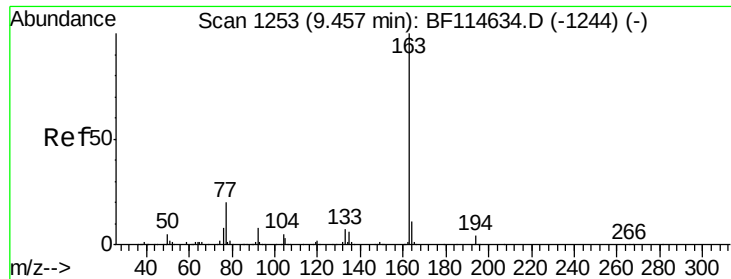
mohammad
6/3/2019 8:47:37 AM



#49
Acenaphthylene
Concen: 3.360 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.5	26.3
153	13.4	11.6	17.4





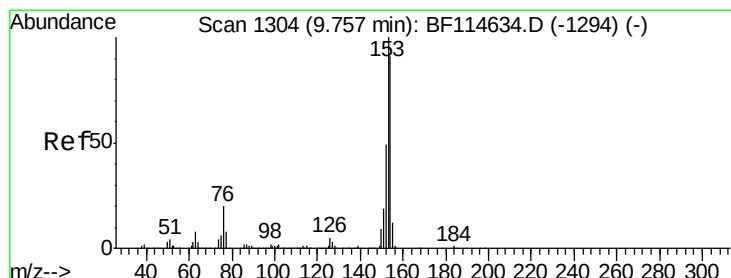
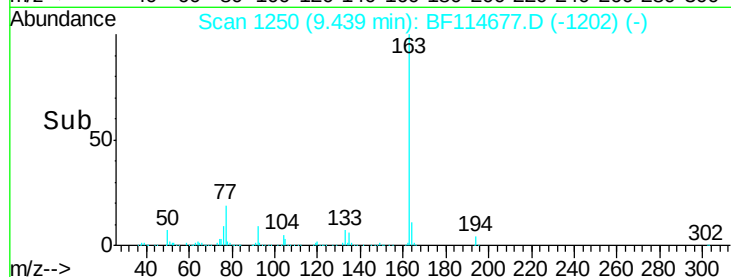
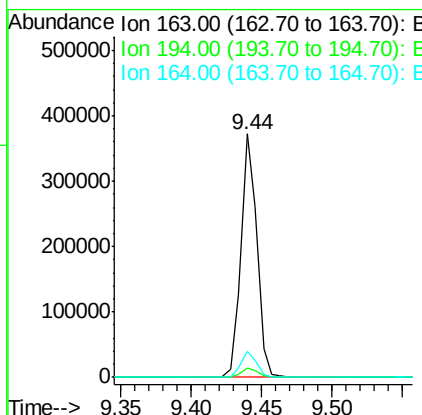
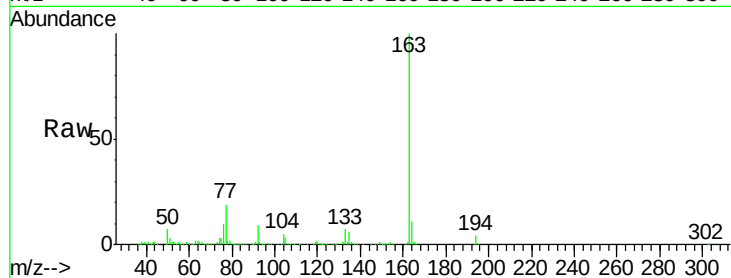
#50
Dimethylphthalate
Concen: 6.507 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	292740		
194	3.8		3.4	5.0
164	10.7		8.6	13.0

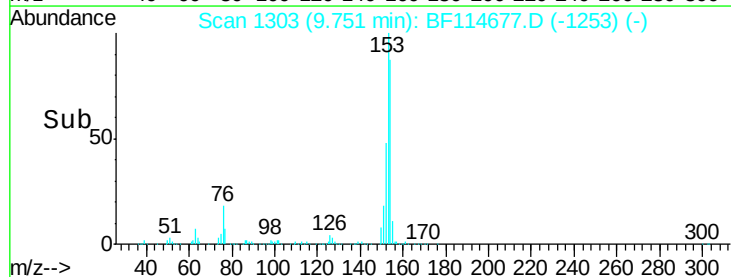
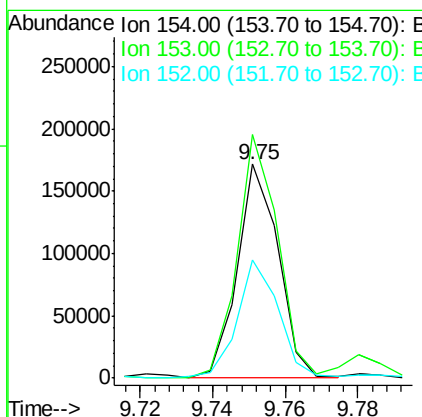
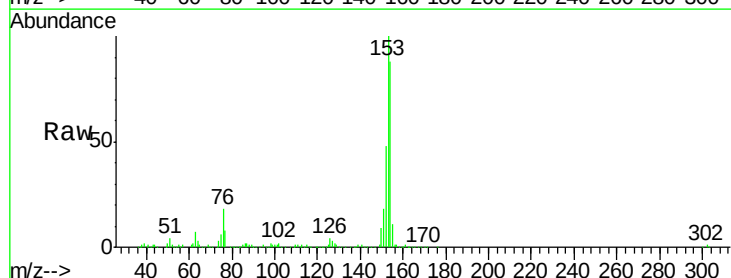
Manual Integrations
APPROVED

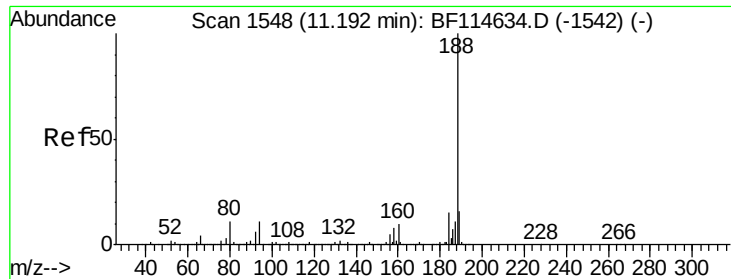
mohammad
6/3/2019 8:47:37 AM



#52
Acenaphthene
Concen: 3.578 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	133282		
153	114.0		88.4	132.6
152	55.1		43.4	65.0





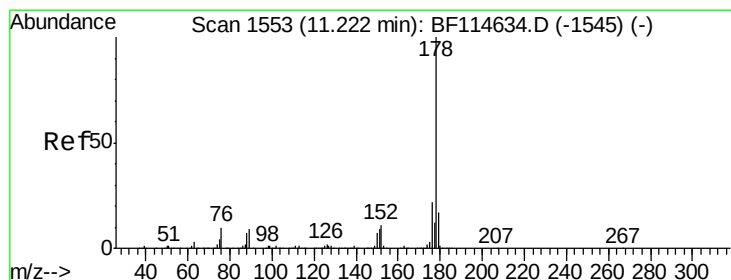
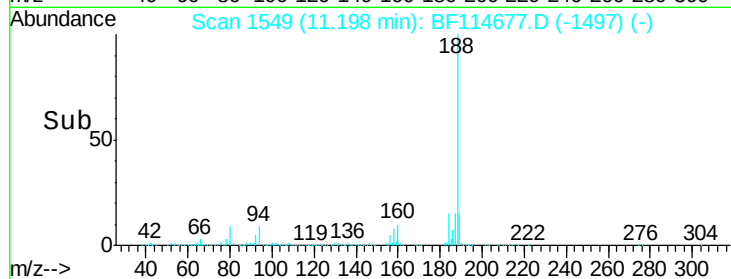
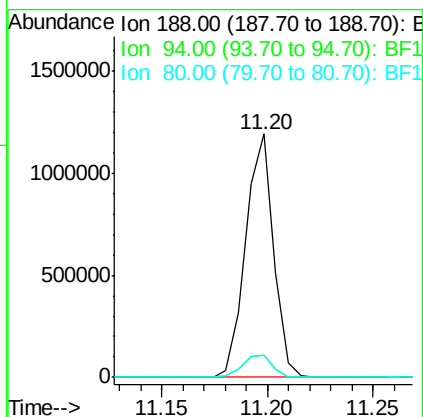
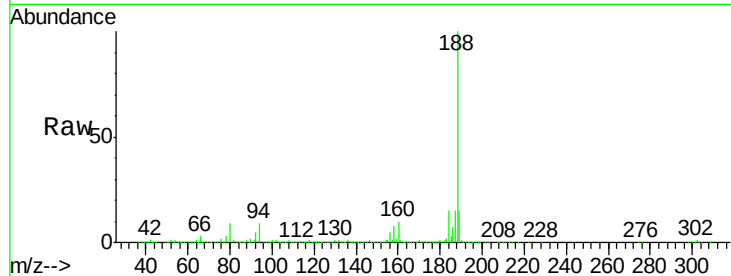
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.6	13.0
80	9.3	9.0	13.6

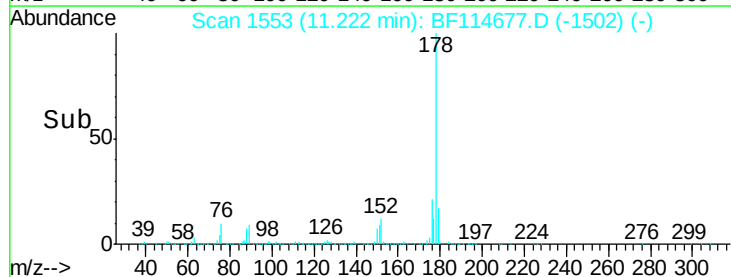
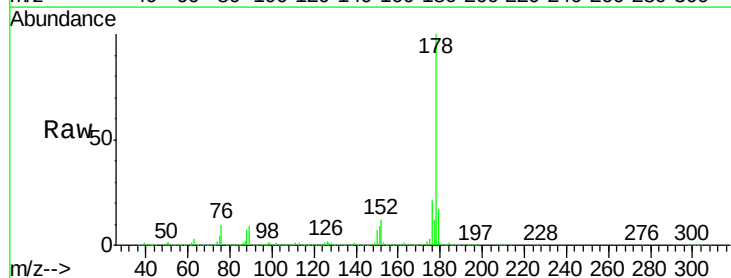
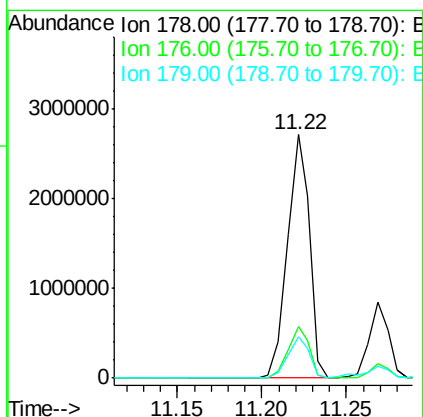
Manual Integrations
APPROVED

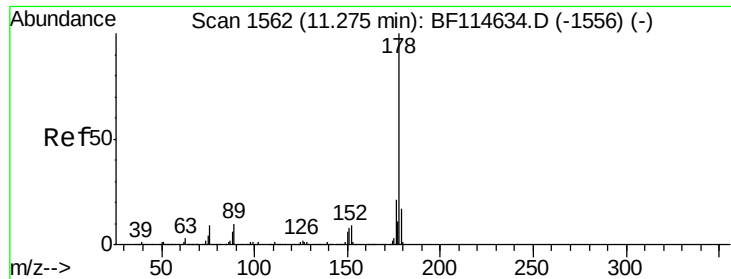
mohammad
6/3/2019 8:47:37 AM



#71
Phenanthrene
Concen: 44.515 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.00 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.2	17.2	25.8
179	16.9	13.9	20.9





#72

Anthracene

Concen: 11.779 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

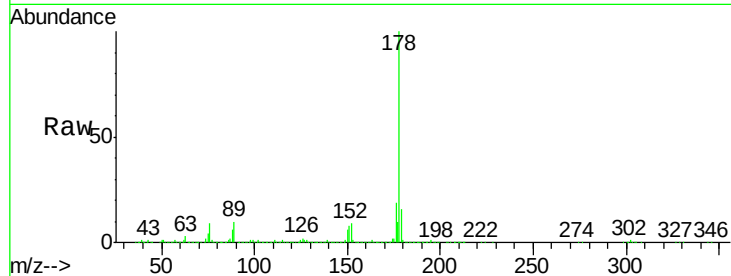
ClientSampleId :

B-6S(7-8)

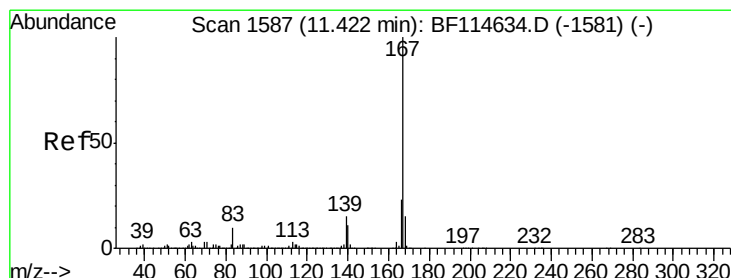
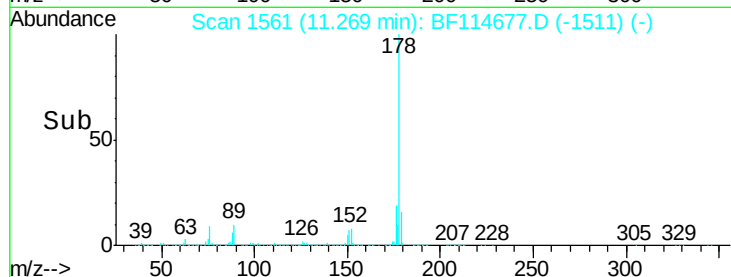
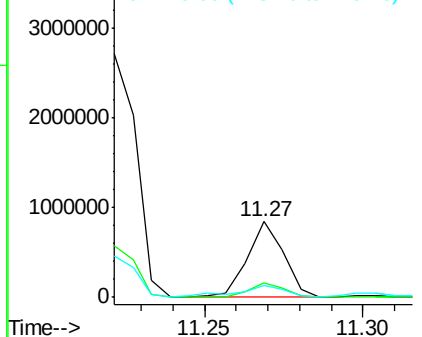
Tot Ion:178	Resp:	662844
Ion Ratio	Lower	Upper
178	100	
176	18.9	16.6 24.8
179	15.6	13.4 20.0

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 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



#73

Carbazole

Concen: 5.016 ng

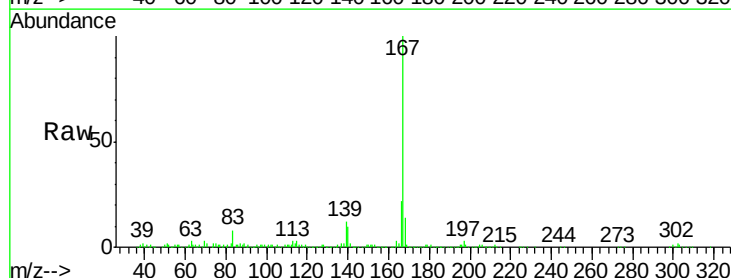
RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

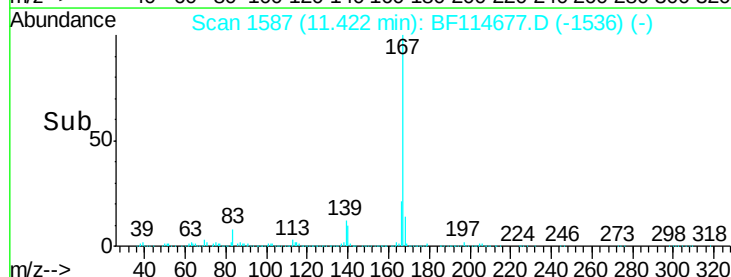
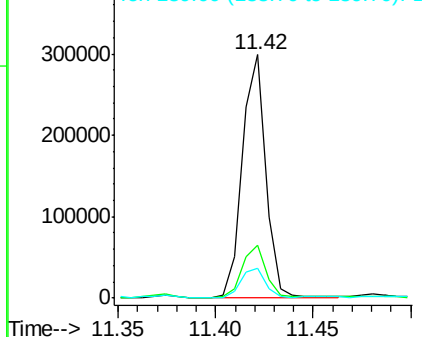
Lab File: BF114677.D

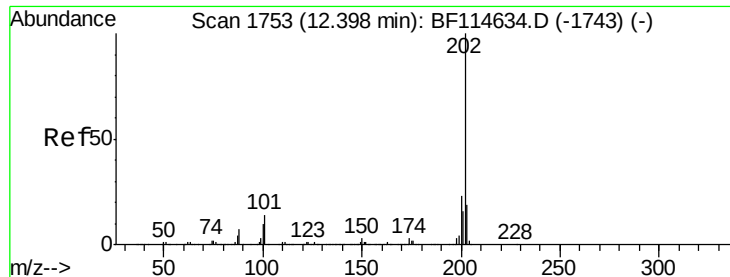
Acq: 30 May 2019 23:01

Tgt Ion:167	Resp:	248057
Ion Ratio	Lower	Upper
167	100	
166	21.7	18.7 28.1
139	12.4	11.8 17.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 59.240 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

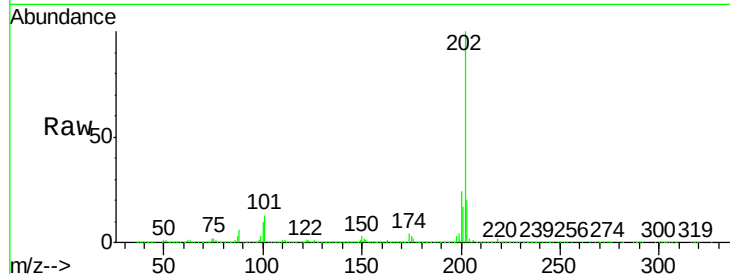
ClientSampleId :

B-6S(7-8)

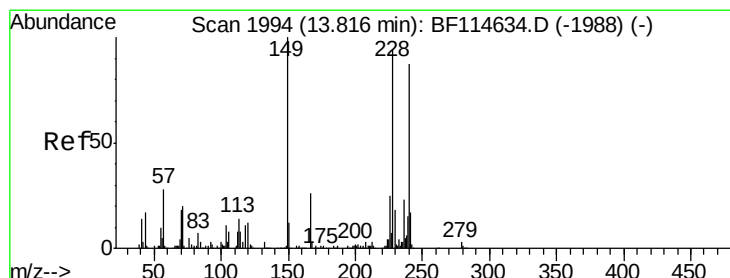
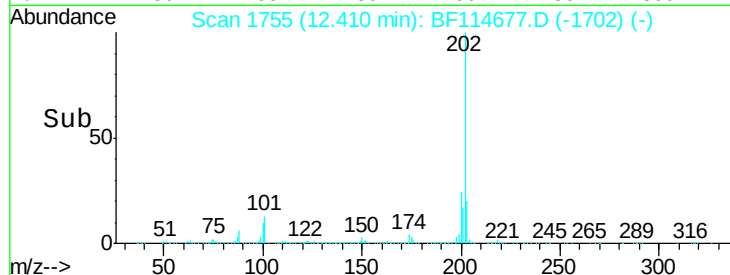
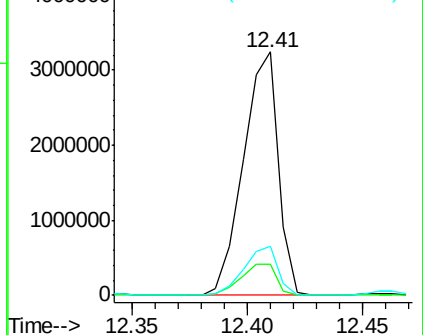
Tot Ion	Ratio	Resp	Lower	Upper
202	100	3410614		
101	12.9		0.0	33.9
203	20.1		0.0	39.1

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM



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

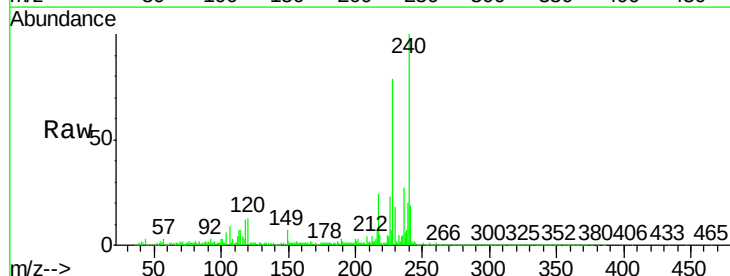
RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

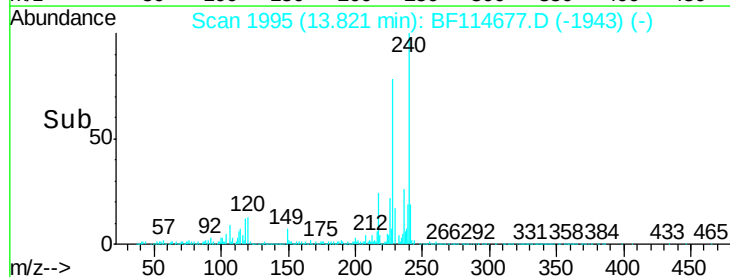
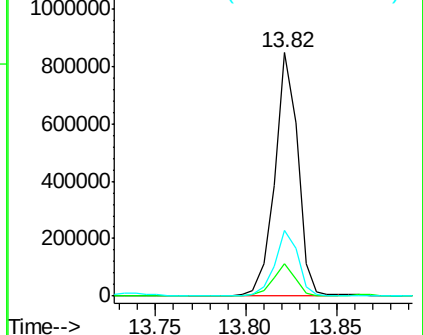
Lab File: BF114677.D

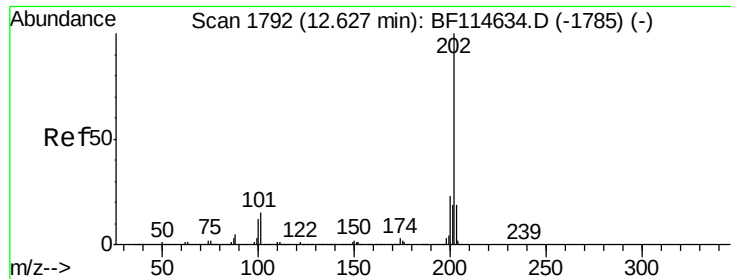
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	737594		
120	13.3		11.2	16.8
236	27.1		21.2	31.8



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

Pvrene

Concen: 56.321 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

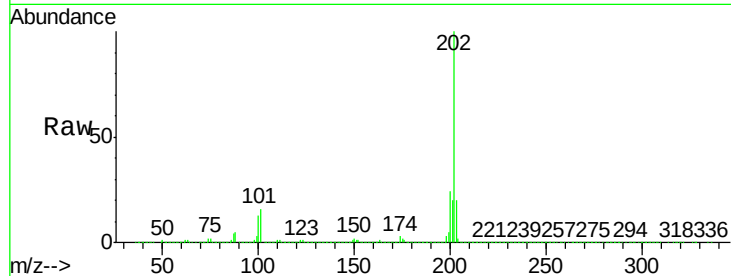
ClientSampleId :

B-6S(7-8)

Tot Ion:	202	Resp:	3514103
Ion	Ratio	Lower	Upper
202	100		
200	24.4	18.6	28.0
203	20.4	15.4	23.2

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM

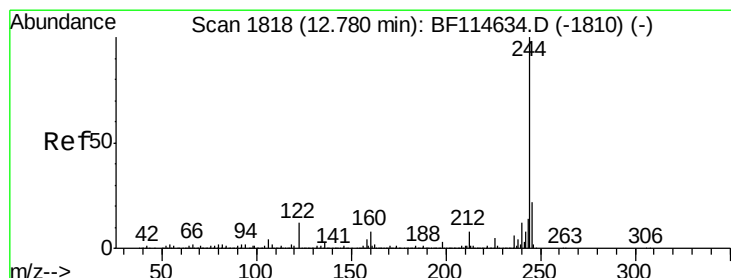
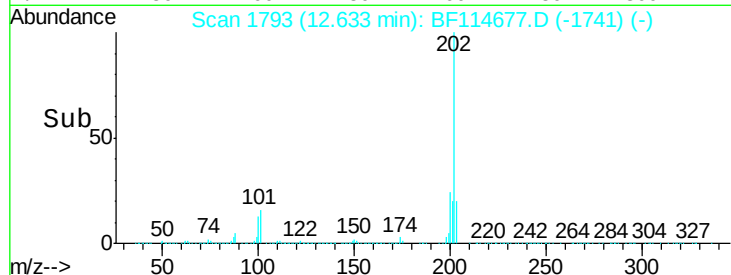
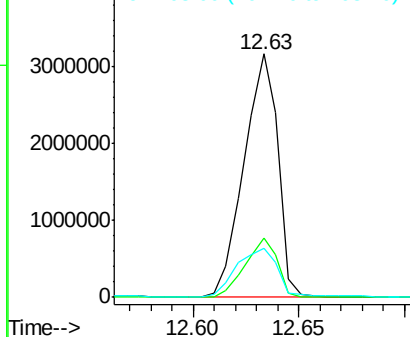


Abundance

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: 57.727 ng

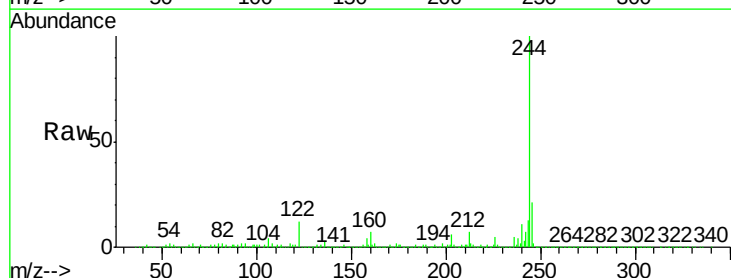
RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Tgt Ion:	244	Resp:	2264662
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	11.8	9.8	14.8

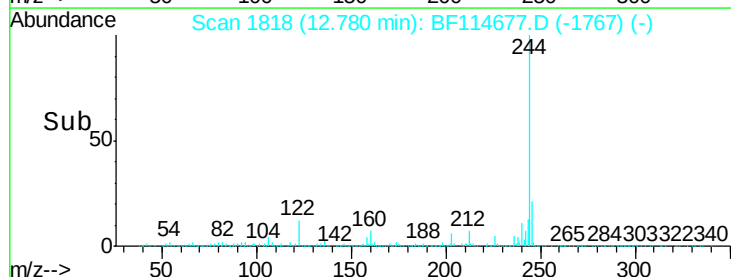
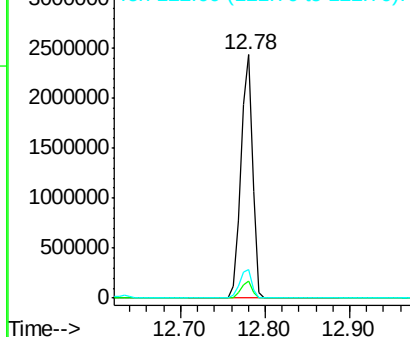


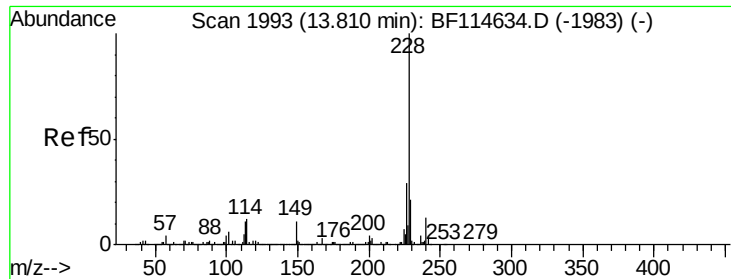
Abundance

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: 35.303 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

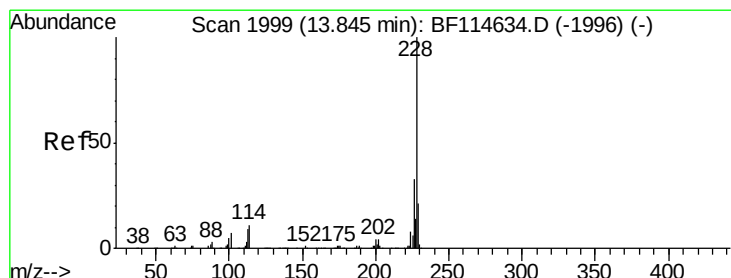
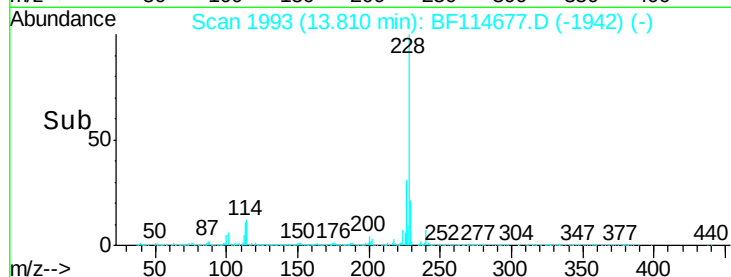
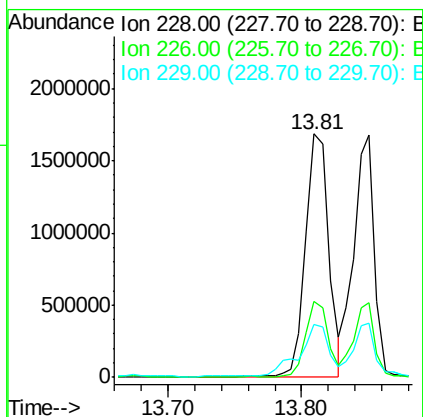
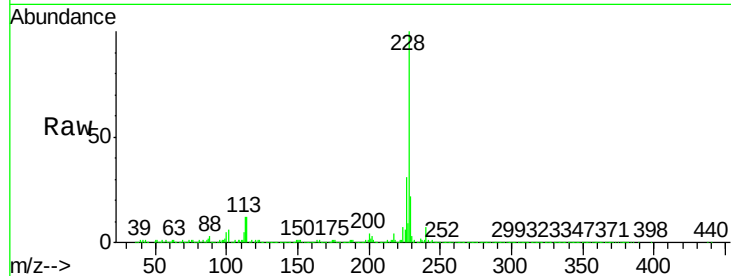
ClientSampleId :

B-6S(7-8)

Tot Ion:	228	Resp:	2001001
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	21.6	17.0	25.4

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM



#83

Chrysene

Concen: 33.156 ng

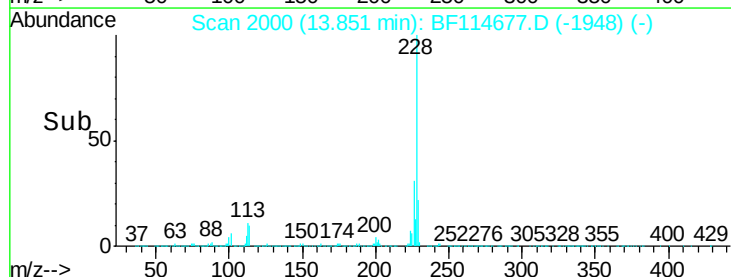
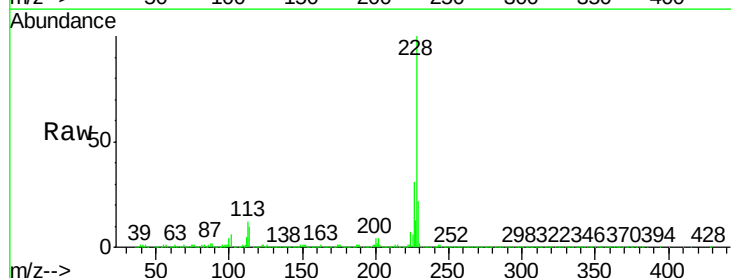
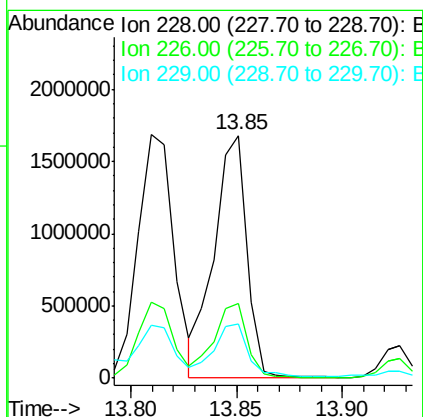
RT: 13.85 min Scan# 2000

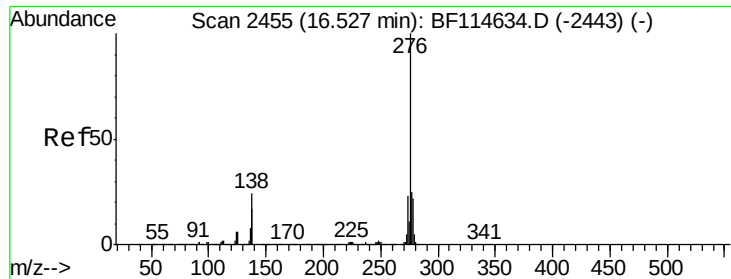
Delta R.T. 0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Tgt Ion:	228	Resp:	1795529
Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.4	39.6
229	22.5	17.1	25.7





#86

Indeno(1,2,3-cd)pyrene

Concen: 13.881 ng

RT: 16.53 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

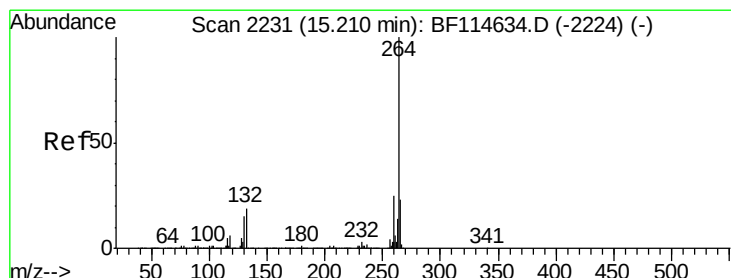
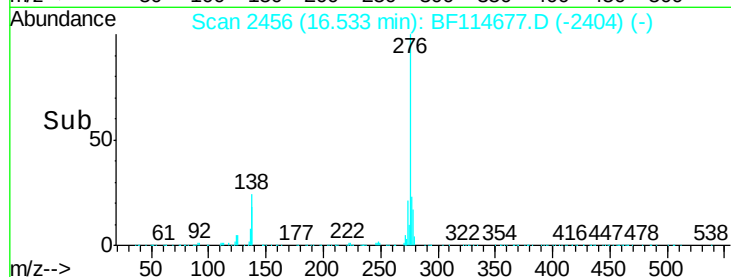
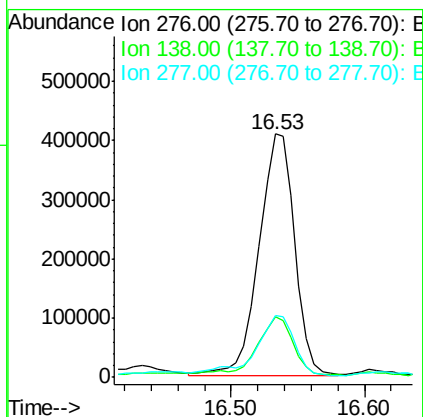
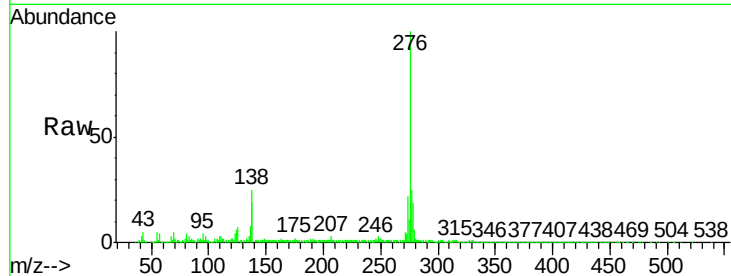
ClientSampled :

B-6S(7-8)

Tot Ion:	276	Resp:	752877
Ion Ratio	Lower	Upper	
276	100		
138	24.8	23.0	34.6
277	27.2	20.5	30.7

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM



#87

Perylene-d12

Concen: 20.000 ng

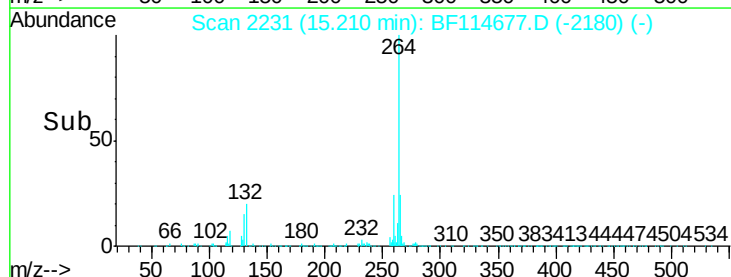
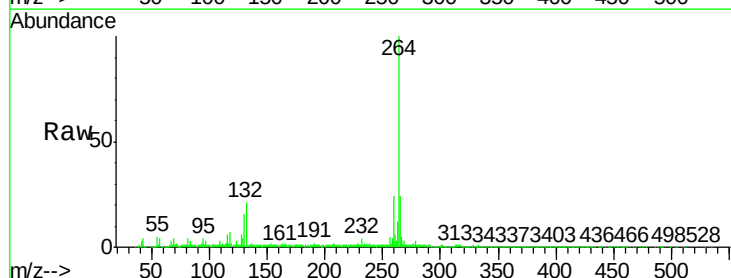
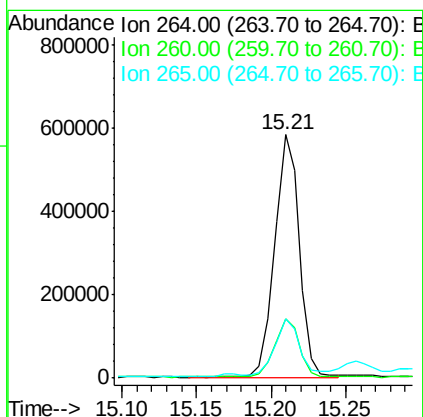
RT: 15.21 min Scan# 2231

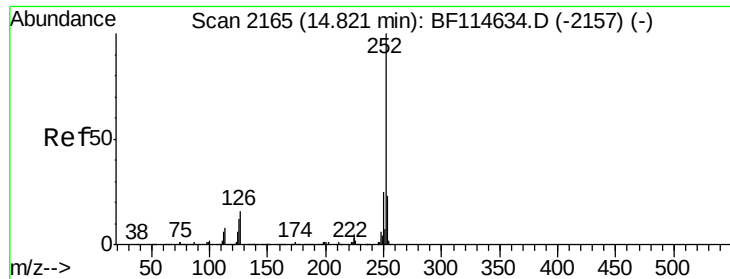
Delta R.T. -0.00 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Tgt Ion:	264	Resp:	669887
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.7	29.5
265	24.3	18.1	27.1





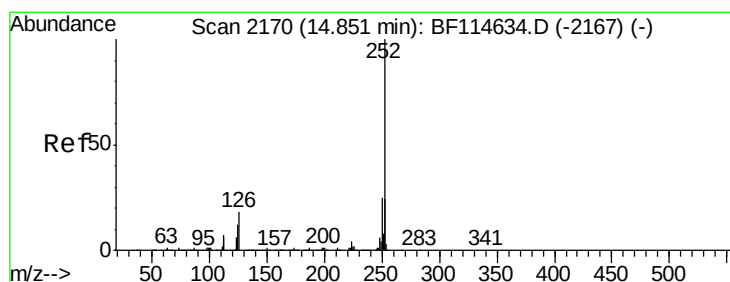
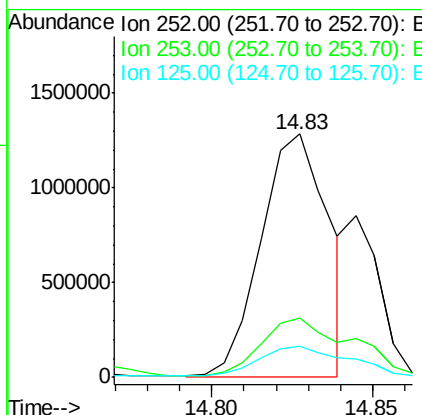
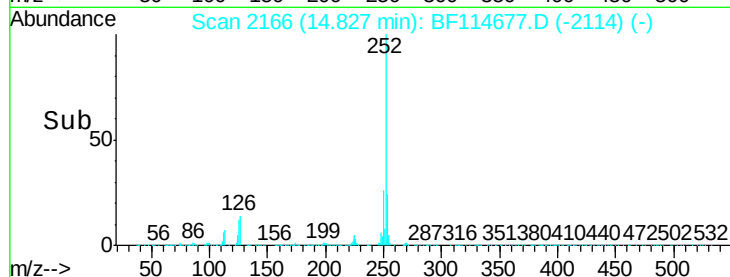
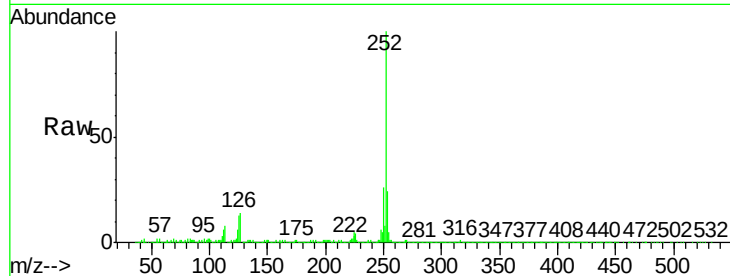
#88
Benzo(b)fluoranthene
Concen: 44.722 ng m
RT: 14.83 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Instrument :
BNA_F
ClientSampleId :
B-6S(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.7	28.1
125	13.0	9.4	14.2

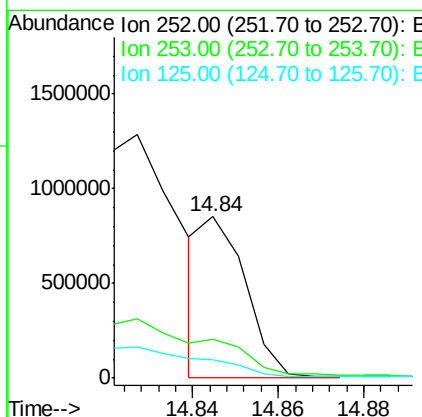
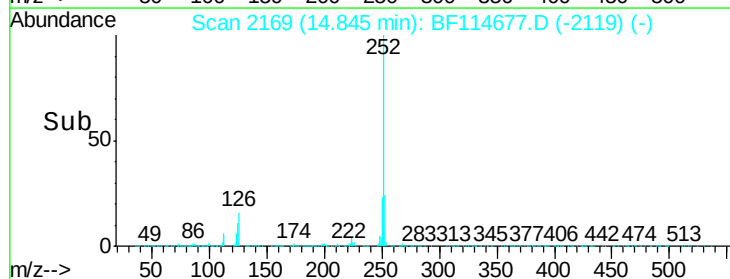
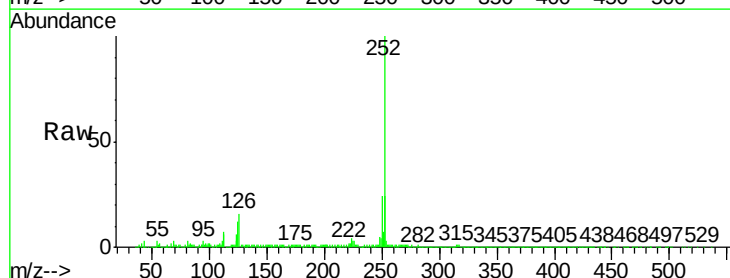
Manual Integrations
APPROVED

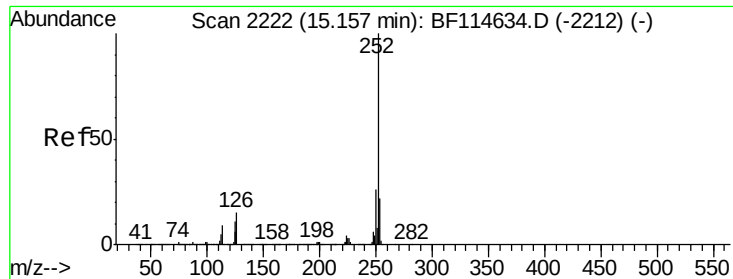
mohammad
6/3/2019 8:47:37 AM



#89
Benzo(k)fluoranthene
Concen: 16.510 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF114677.D
Acq: 30 May 2019 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.9	28.3
125	11.7	9.5	14.3





#90

Benzo(a)pyrene

Concen: 35.822 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

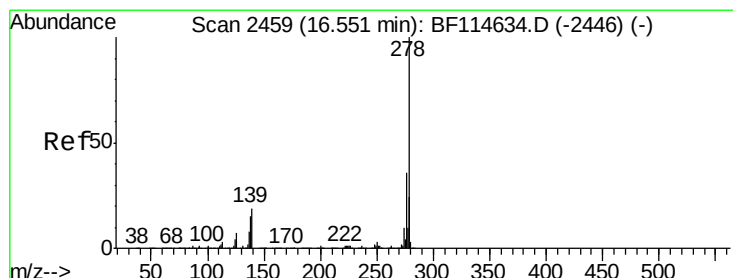
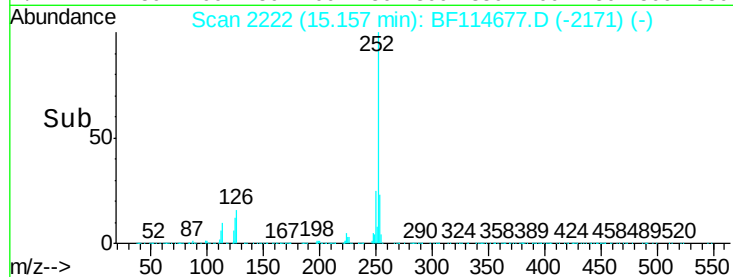
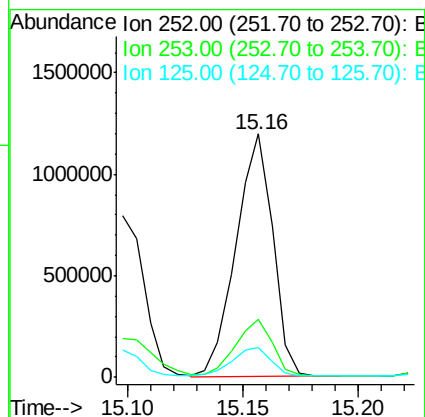
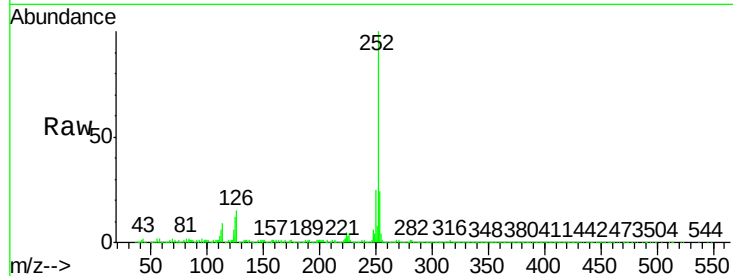
ClientSampleId :

B-6S(7-8)

Tot Ion:	252	Resp:	1327765
Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	12.3	9.2	13.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM



#91

Dibenzo(a,h)anthracene

Concen: 6.224 ng

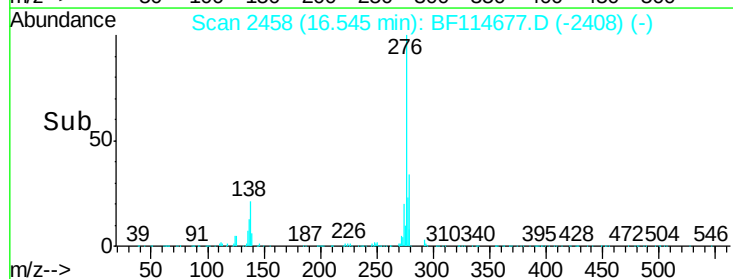
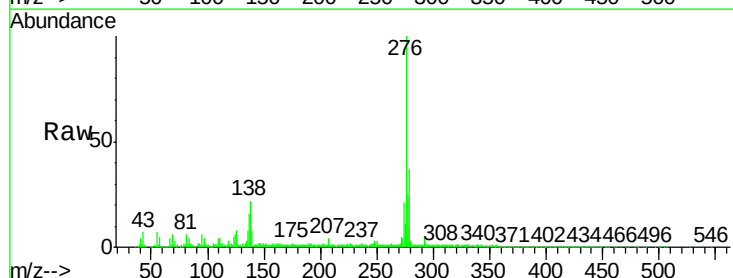
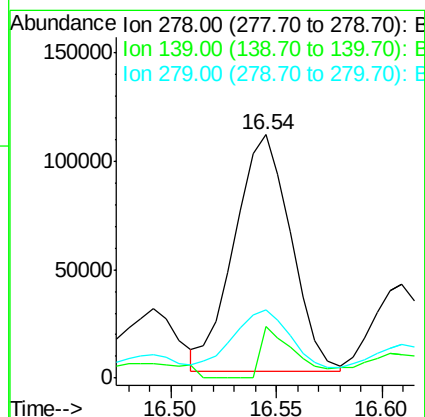
RT: 16.54 min Scan# 2458

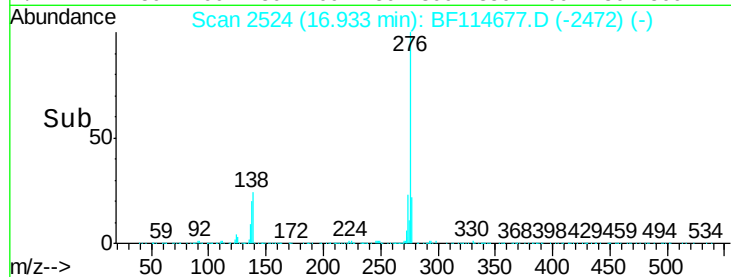
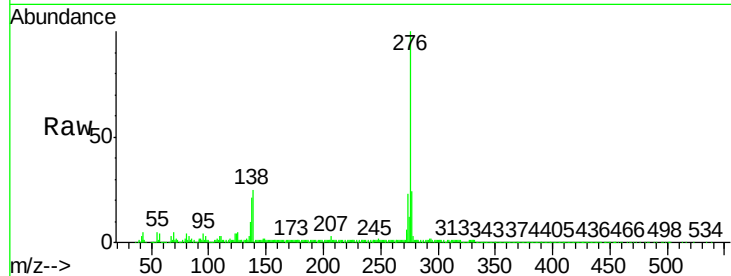
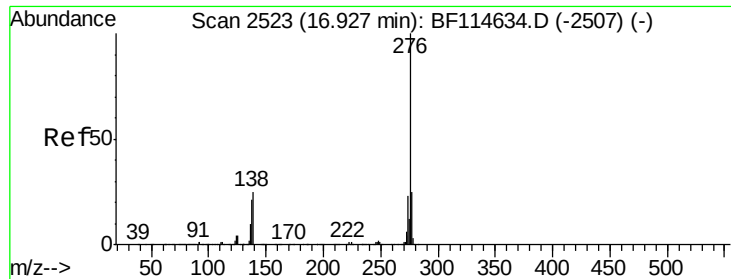
Delta R.T. -0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Tgt Ion:	278	Resp:	203845
Ion	Ratio	Lower	Upper
278	100		
139	21.3	14.9	22.3
279	27.8	19.5	29.3





#92

Benzo(a,h,i)perylene

Concen: 21.951 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.01 min

Lab File: BF114677.D

Acq: 30 May 2019 23:01

Instrument :

BNA_F

ClientSampleId :

B-6S(7-8)

Tot Ion:	276	Resp:	697787
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.7	29.5
138	25.4	19.8	29.8

Manual Integrations
APPROVED

mohammad
6/3/2019 8:47:37 AM

