

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
 Data File : BF112421.D
 Acq On : 6 Feb 2019 15:48
 Operator : JU/SJ
 Sample : K1356-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

Manual Integrations
 APPROVED

mohammad
 2/7/2019 8:40:12 AM

Quant Time: Feb 06 18:04:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	136456	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	516236	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	228131	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	366027	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	306834	20.00	ng	-0.01
87) Perylene-d12	15.47	264	334203	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	144354	22.47	ng	-0.01
7) Phenol-d6	6.48	99	187471	21.00	ng	-0.01
23) Nitrobenzene-d5	7.39	82	110776	12.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	43466	16.37	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	226797	14.06	ng	-0.02
79) Terphenyl-d14	12.93	244	175700	10.79	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
58) Fluorene	10.42	166	33845	2.186	ng	99
71) Phenanthrene	11.38	178	184888	9.716	ng	97
72) Anthracene	11.43	178	54848	2.894	ng	95
75) Fluoranthene	12.57	202	239704	11.744	ng	96
78) Pyrene	12.80	202	245531	11.558	ng	97
81) Benzo(a)anthracene	13.99	228	123936	6.871	ng	99
83) Chrysene	14.03	228	118188	6.864	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	62520	4.583	ng	94
88) Benzo(b)fluoranthene	15.04	252	164451m	8.228	ng	
89) Benzo(k)fluoranthene	15.07	252	51059m	2.667	ng	
90) Benzo(a)pyrene	15.41	252	125603	6.984	ng	96
92) Benzo(a,h,i)perylene	17.40	276	61122	4.470	ng	97

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

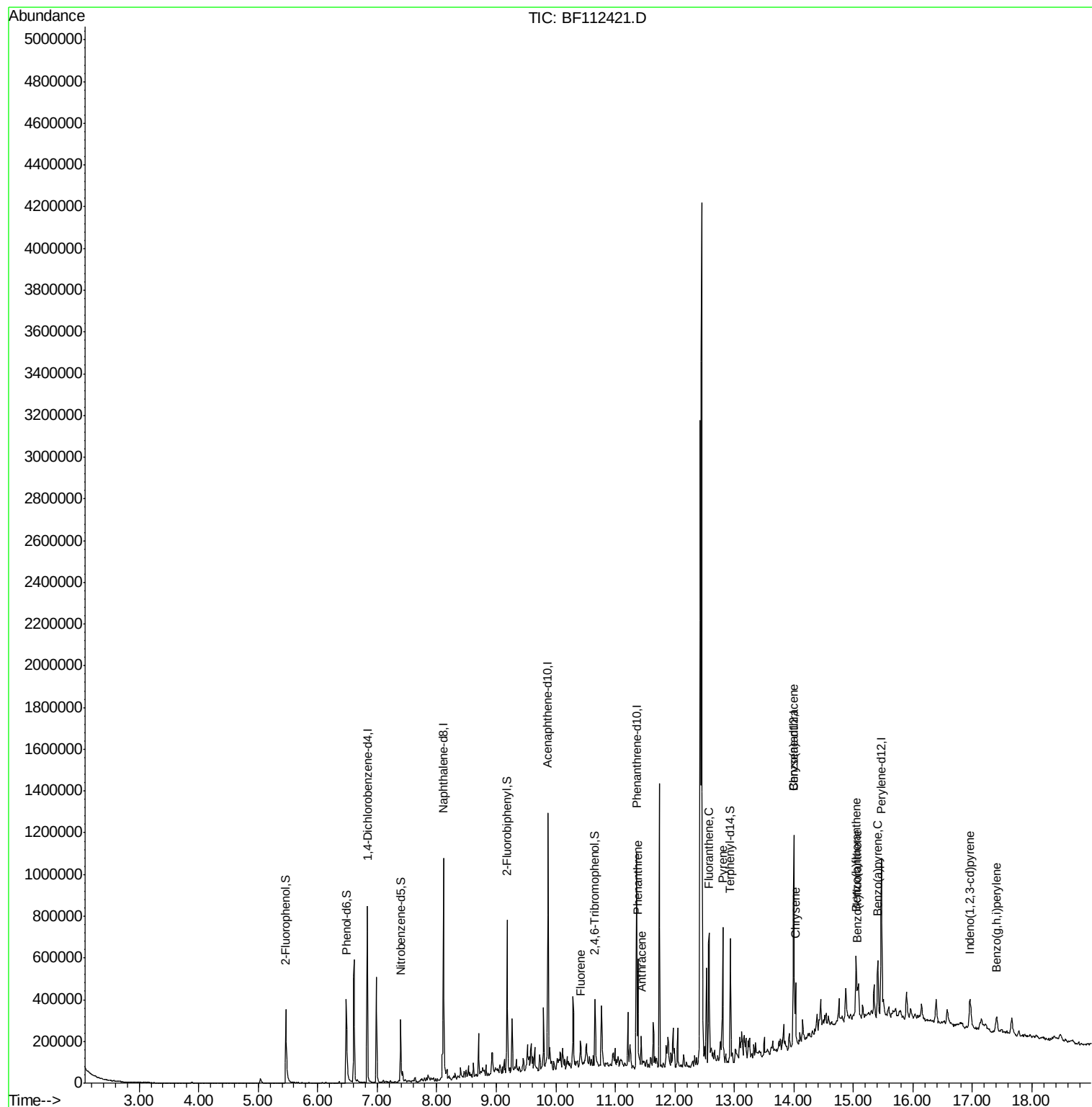
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\
Data File : BF112421.D
Acq On : 6 Feb 2019 15:48
Operator : JU/SJ
Sample : K1356-01 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

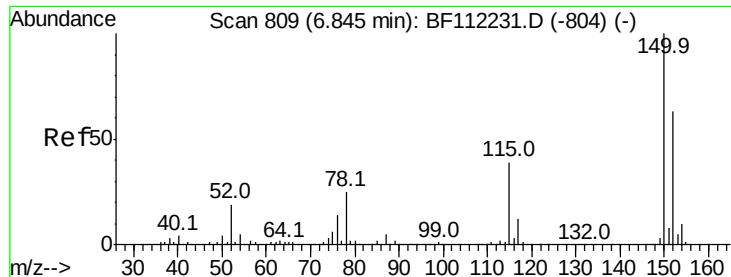
Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM

Quant Time: Feb 06 18:04:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration





#1

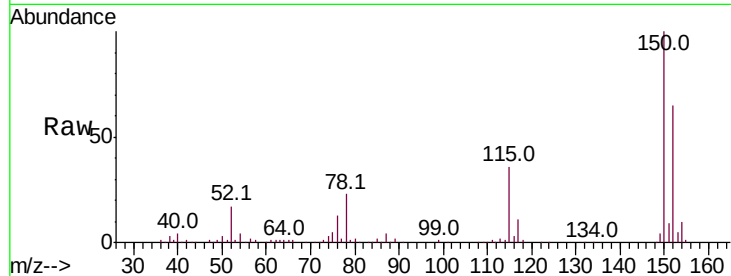
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	127.4	191.0
115	54.8	45.5	68.3

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM

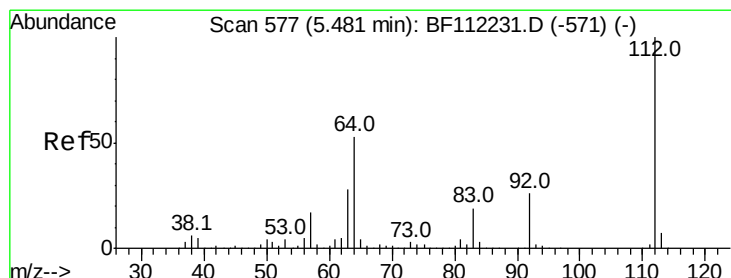
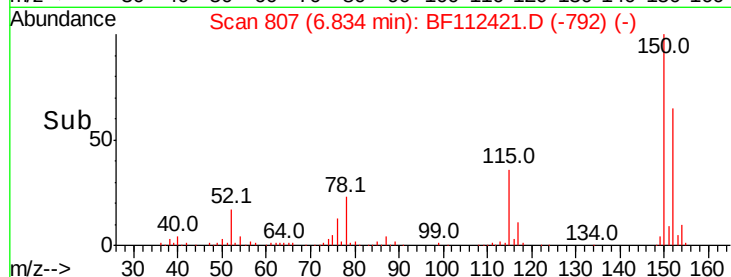
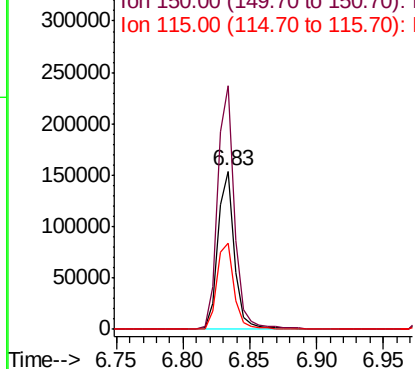


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

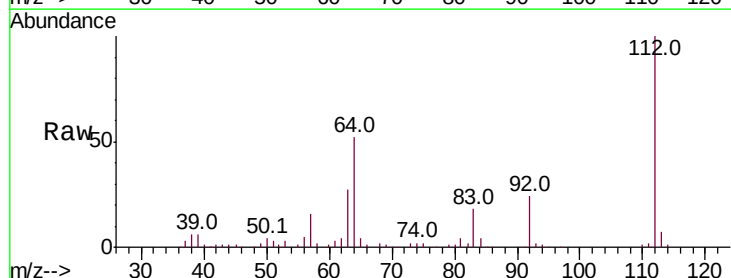
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.470 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.7	68.5
63	27.0	23.6	35.4

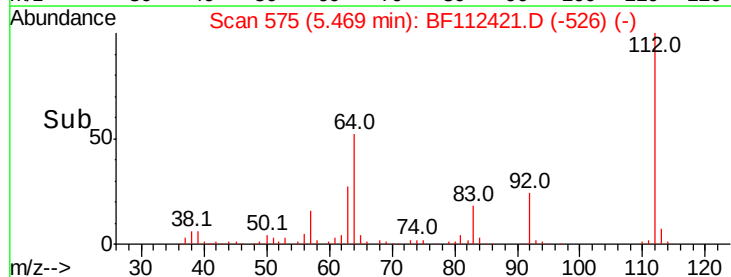
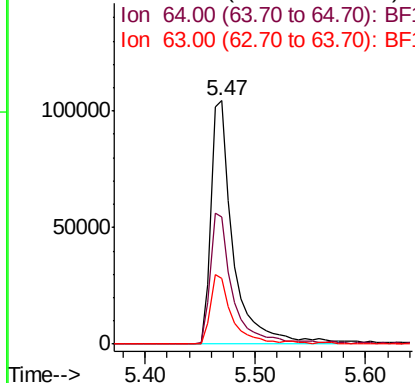


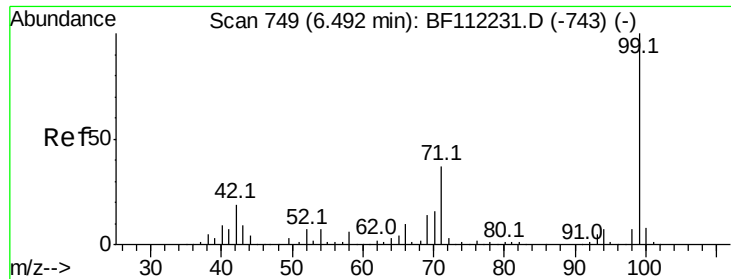
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.001 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

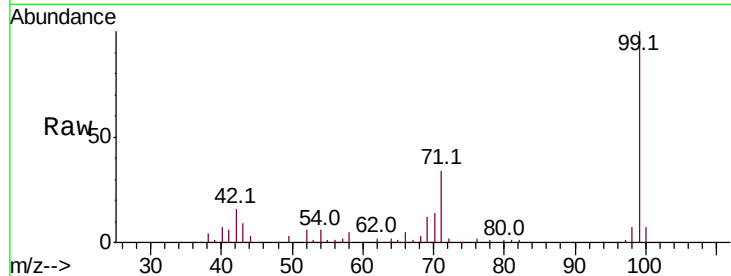
ClientSampleId :

SU-01-020519-A

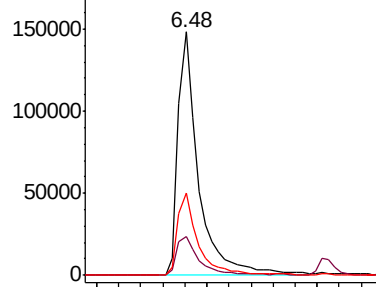
Tot Ion:	99	Resp:	187471
Ion Ratio	Lower	Upper	
99	100		
42	16.0	15.1	22.7
71	33.6	26.9	40.3

Manual Integrations
APPROVED

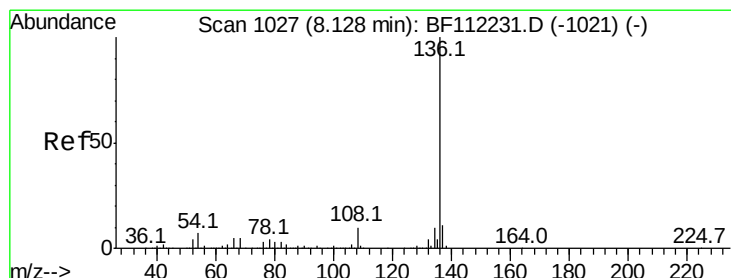
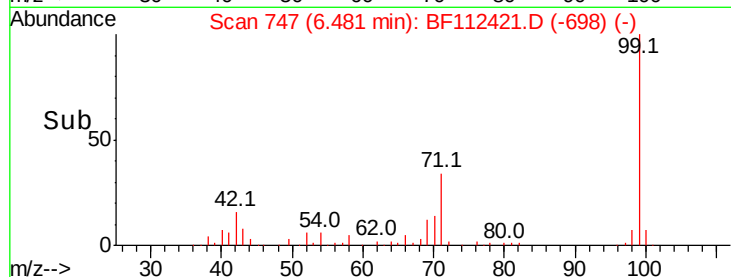
mohammad
2/7/2019 8:40:12 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

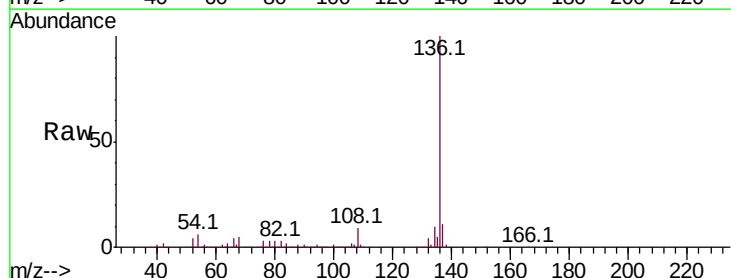
RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

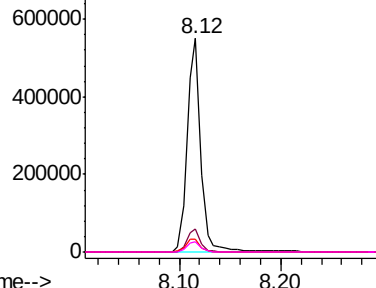
Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

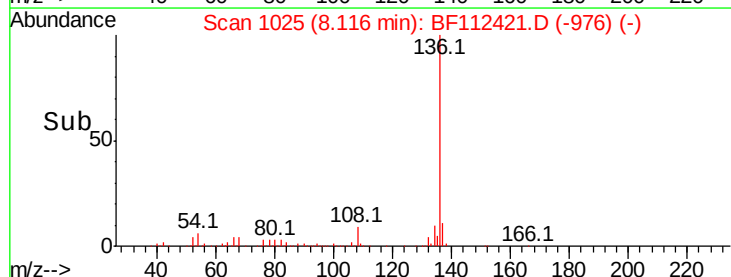
Tgt Ion:	136	Resp:	516236
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.1	13.7
54	6.0	5.9	8.9
68	4.5	5.1	7.7#

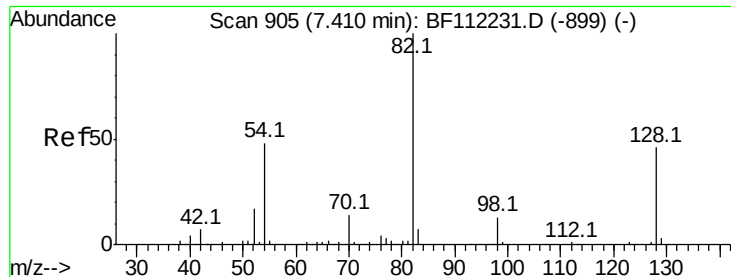


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



Time-->





#23

Nitrobenzene-d5

Concen: 12.364 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

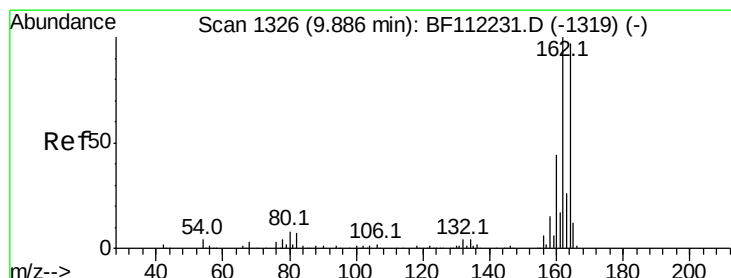
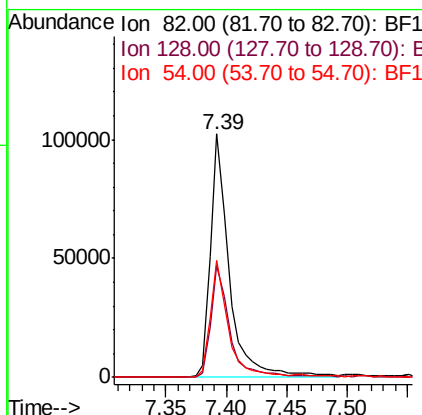
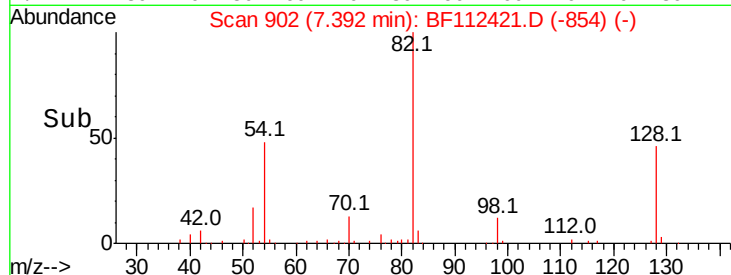
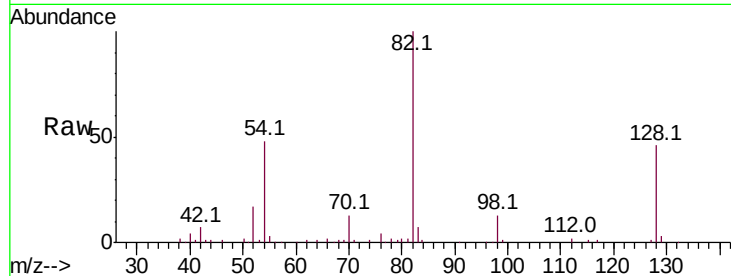
ClientSampleId :

SU-01-020519-A

Tot Ion:	82	Resp:	110776
Ion Ratio	Lower	Upper	
82	100		
128	46.1	37.8	56.8
54	48.0	39.7	59.5

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM



#39

Acenaphthene-d10

Concen: 20.000 ng

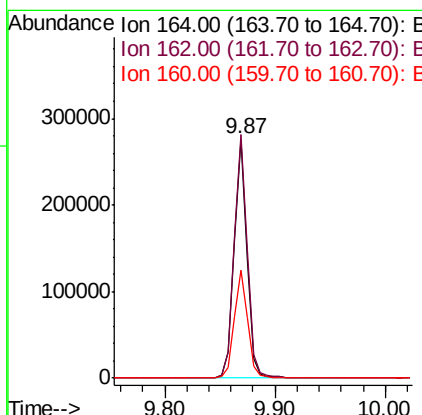
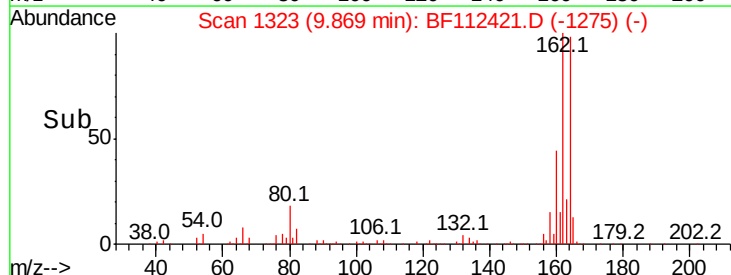
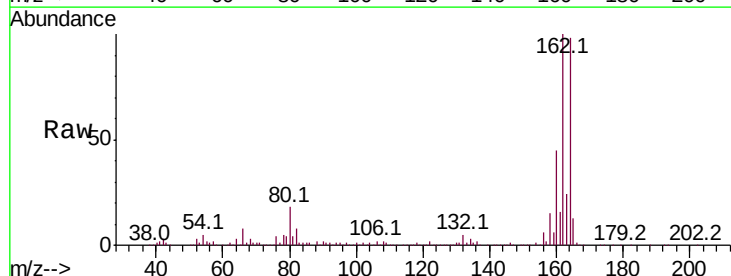
RT: 9.87 min Scan# 1323

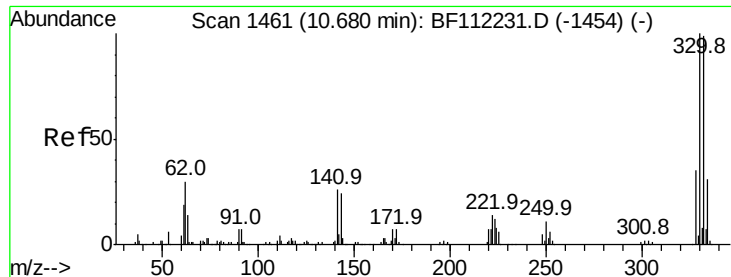
Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Tgt Ion:	164	Resp:	228131
Ion Ratio	Lower	Upper	
164	100		
162	101.8	82.2	123.4
160	45.4	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 16.369 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

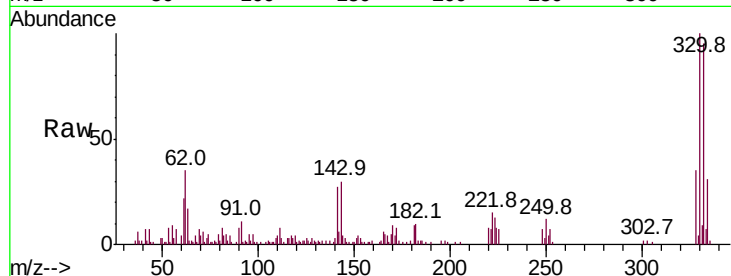
ClientSampleId :

SU-01-020519-A

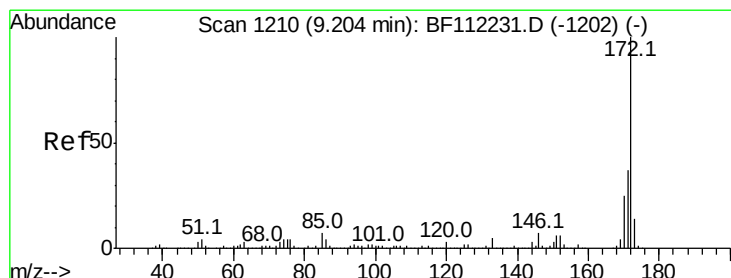
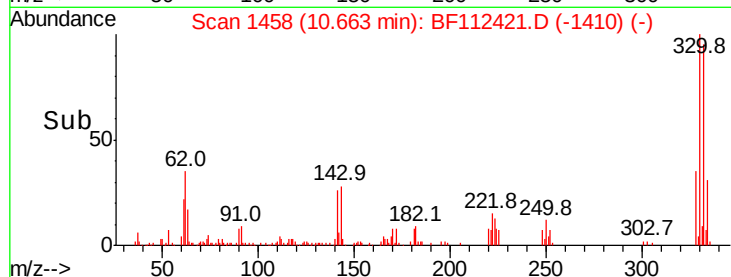
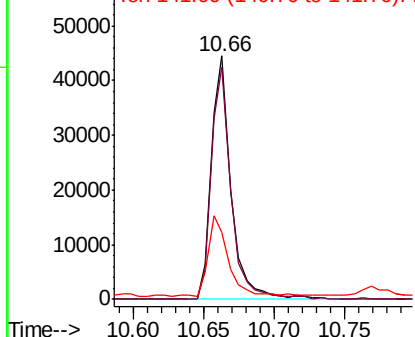
Tot Ion:	330	Resp:	43466
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.6	114.8
141	33.2	24.3	36.5

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM



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: 14.061 ng

RT: 9.19 min Scan# 1207

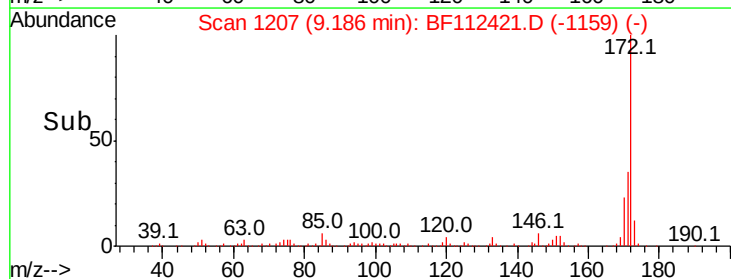
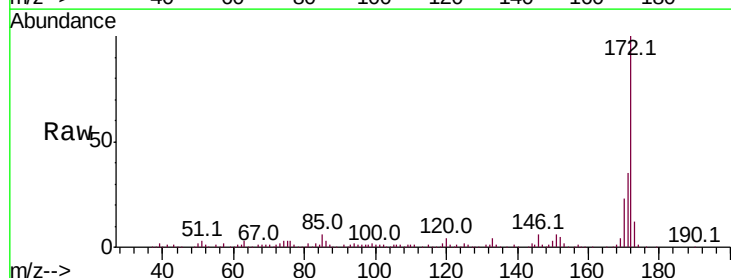
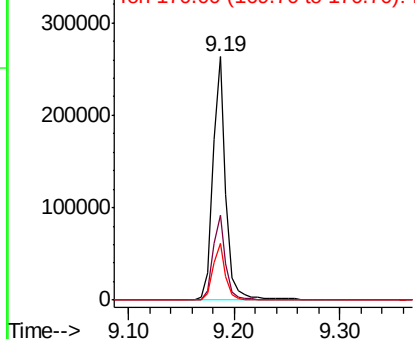
Delta R.T. -0.02 min

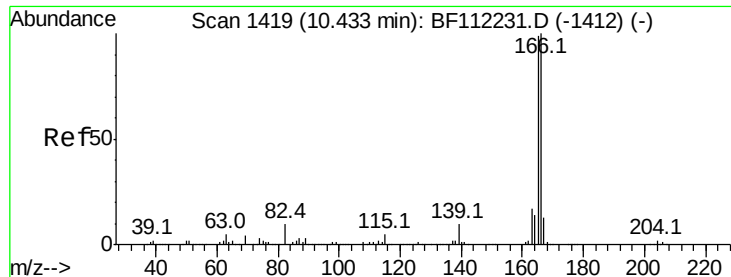
Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Tgt Ion:	172	Resp:	226797
Ion Ratio	Lower	Upper	
172	100		
171	34.8	30.5	45.7
170	23.2	20.2	30.4

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





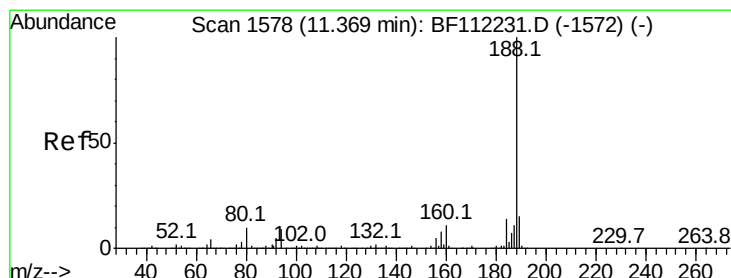
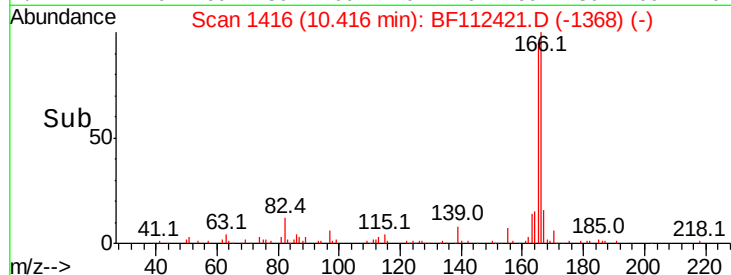
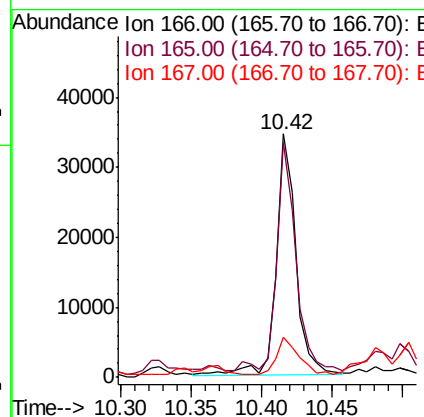
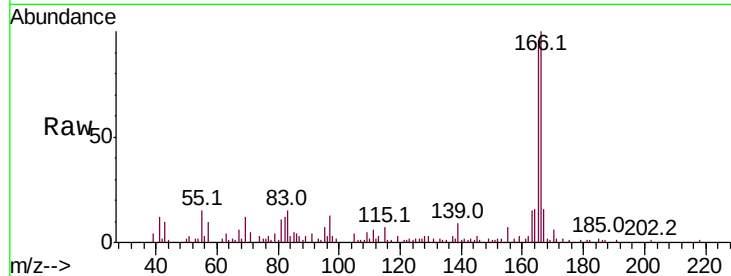
#58
 Fluorene
 Concen: 2.186 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.1	115.7
167	16.3	11.3	16.9

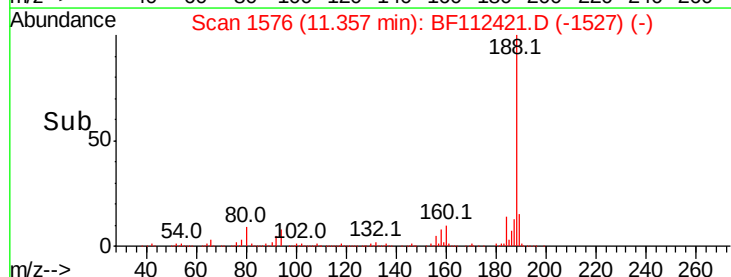
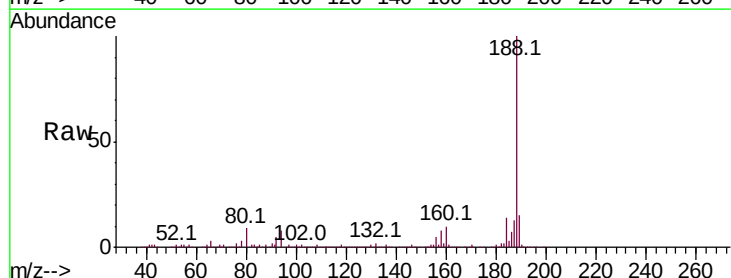
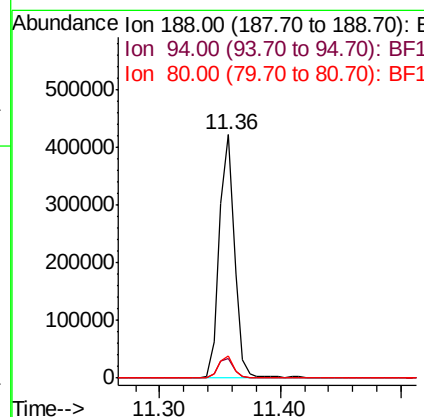
Manual Integrations
 APPROVED

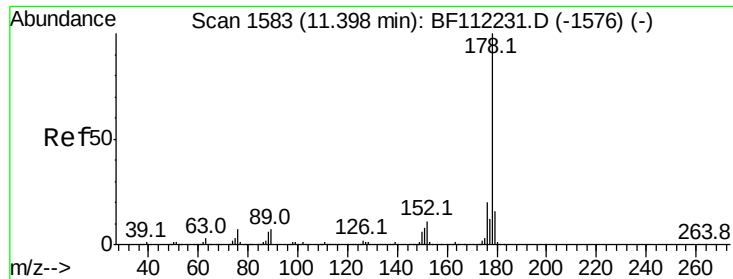
mohammad
 2/7/2019 8:40:12 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.2	12.2#
80	9.1	8.9	13.3





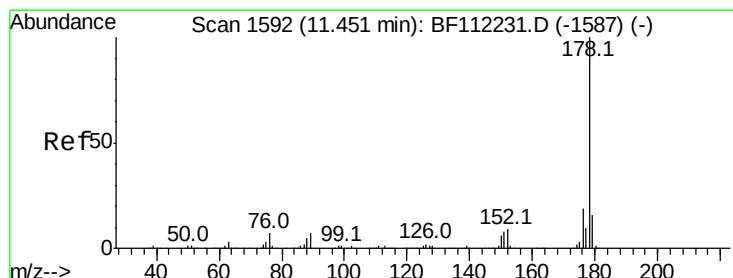
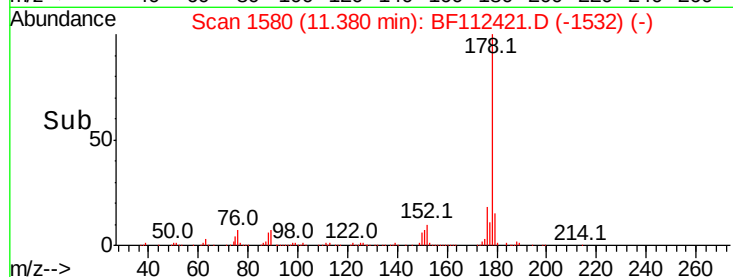
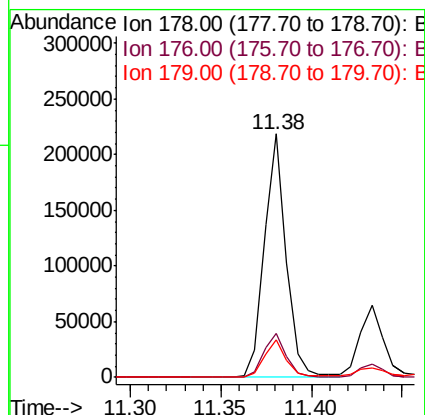
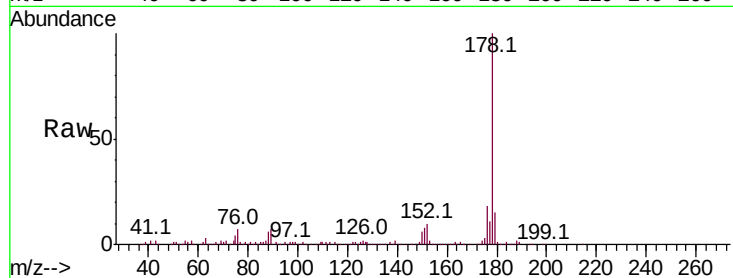
#71
Phenanthrene
Concen: 9.716 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.3	24.5
179	15.4	13.0	19.4

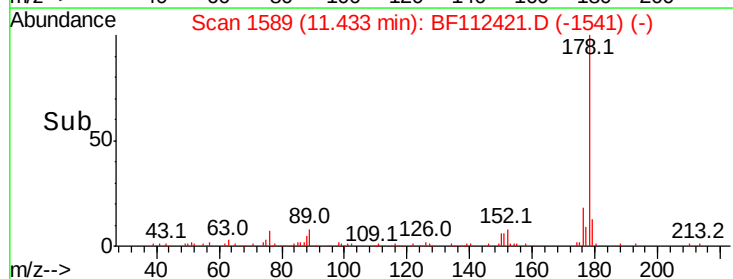
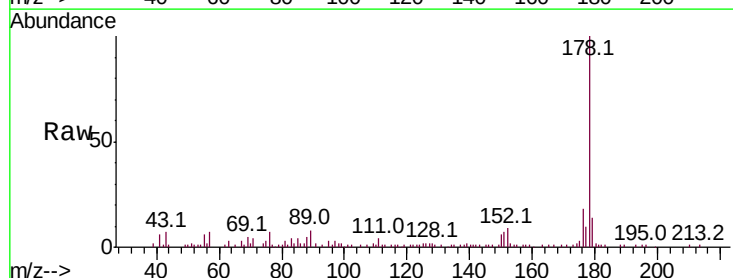
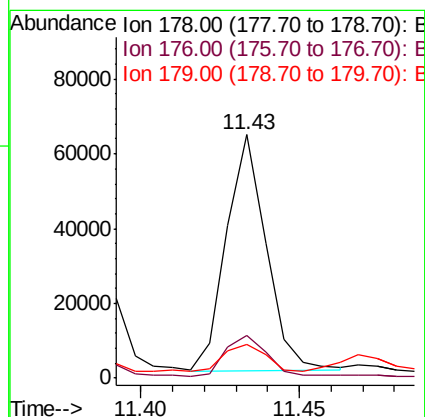
Manual Integrations
APPROVED

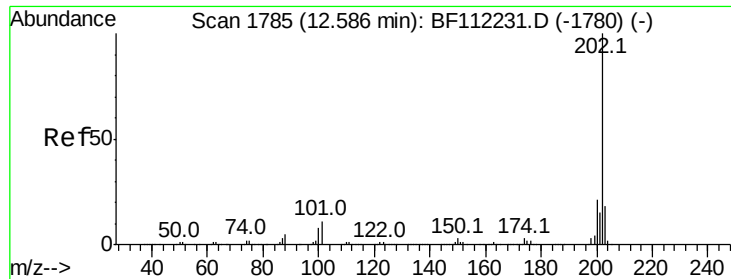
mohammad
2/7/2019 8:40:12 AM



#72
Anthracene
Concen: 2.894 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.5	23.3
179	13.7	12.8	19.2





#75

Fluoranthene

Concen: 11.744 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

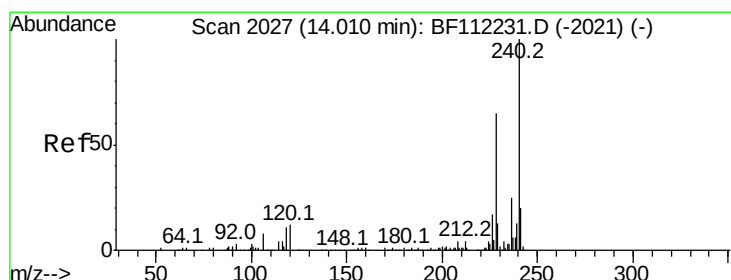
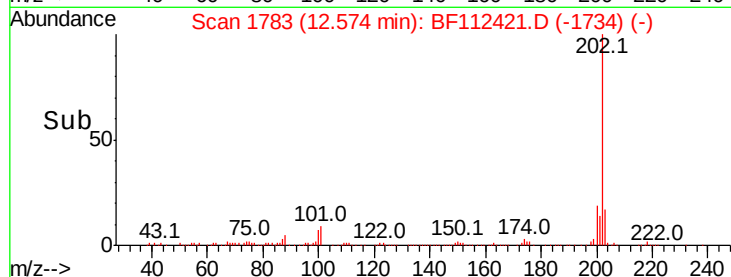
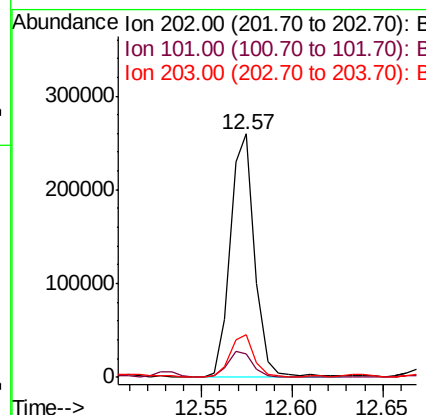
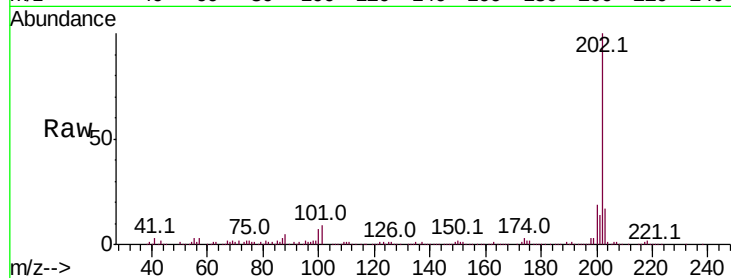
ClientSampleId :

SU-01-020519-A

Tot Ion:	202	Resp:	239704
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	31.8
203	17.3	0.0	38.4

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM



#76

Chrysene-d12

Concen: 20.000 ng

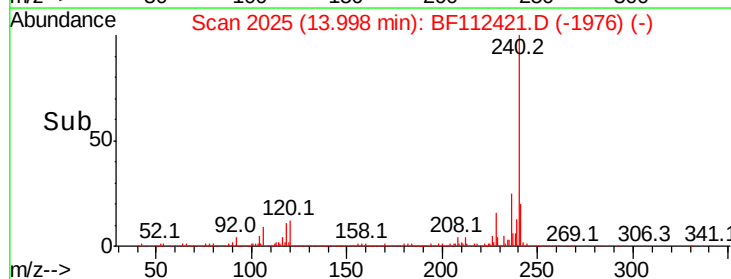
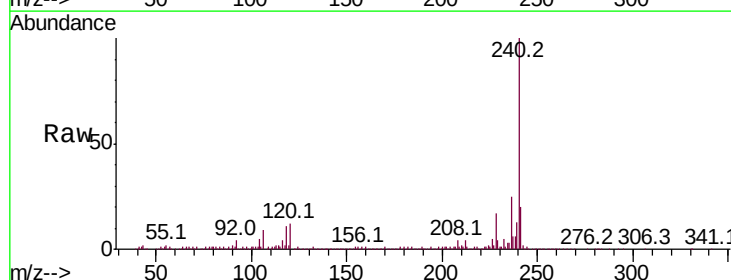
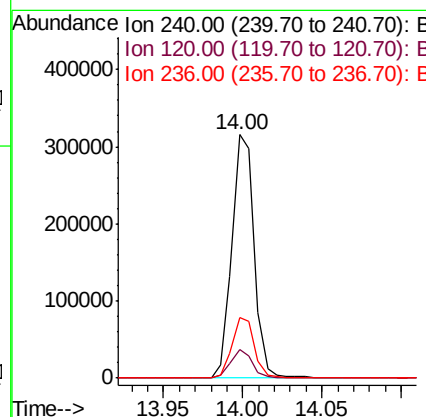
RT: 14.00 min Scan# 2025

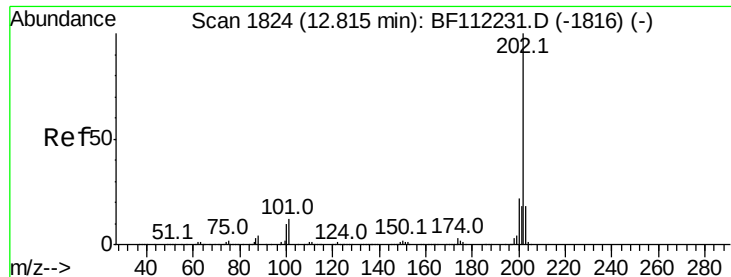
Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Tgt Ion:	240	Resp:	306834
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.0	13.6
236	25.1	20.7	31.1





#78

Pvrene

Concen: 11.558 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

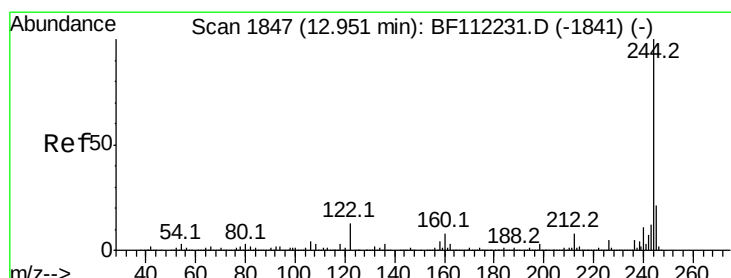
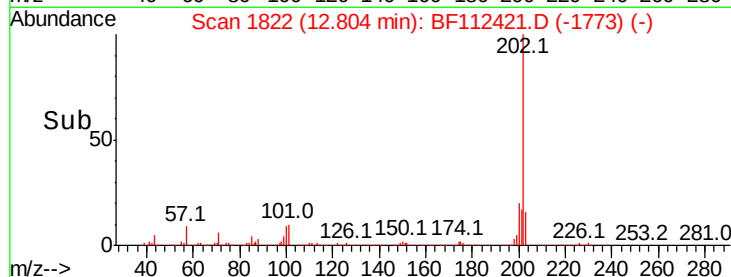
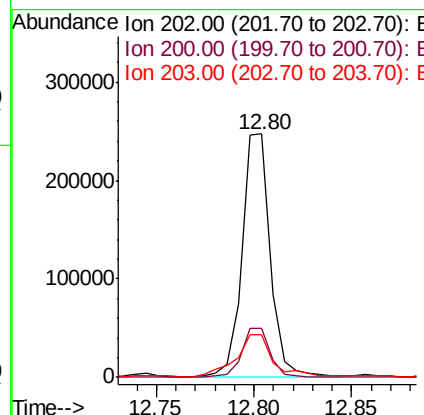
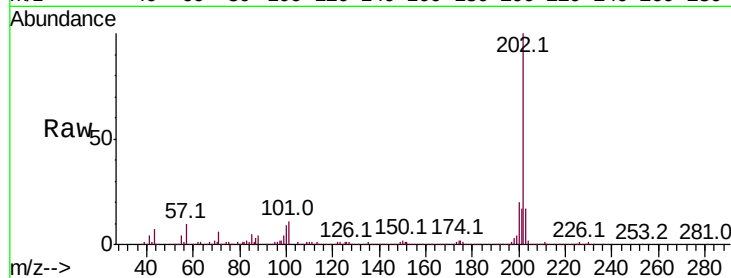
ClientSampleId :

SU-01-020519-A

Tot Ion:	202	Resp:	245531
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.7	26.5
203	17.3	14.6	22.0

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM



#79

Terphenyl-d14

Concen: 10.785 ng

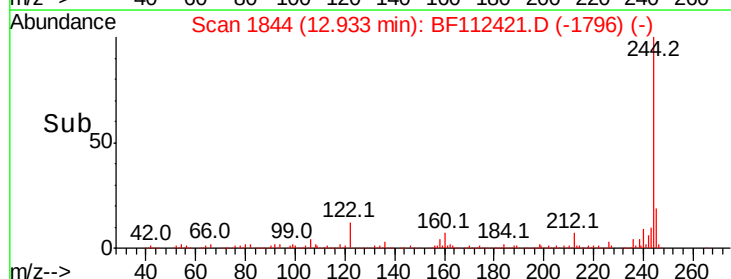
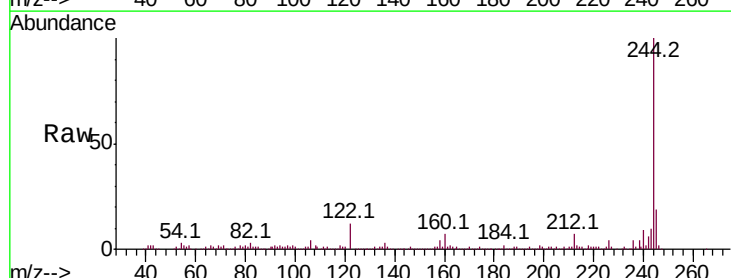
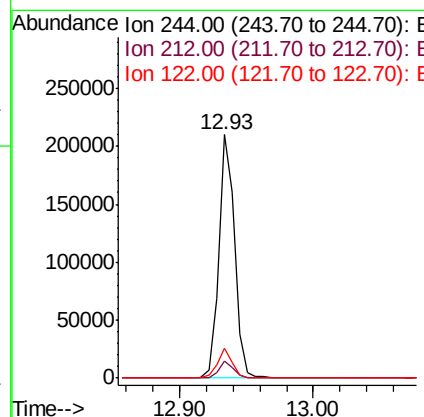
RT: 12.93 min Scan# 1844

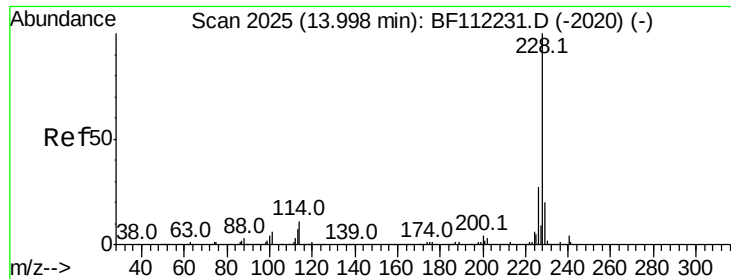
Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Tgt Ion:	244	Resp:	175700
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.9	8.9
122	12.0	9.8	14.6





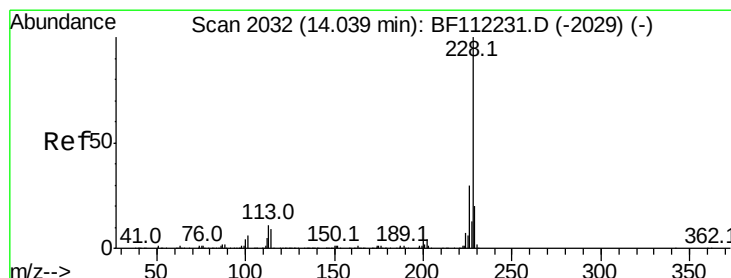
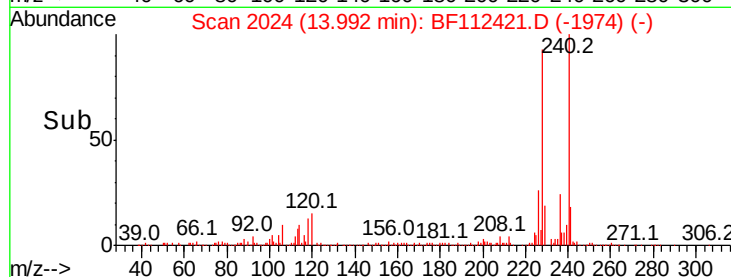
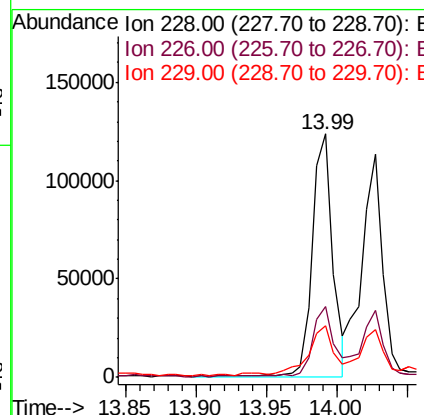
#81
Benzo(a)anthracene
Concen: 6.871 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	21.2	16.5	24.7

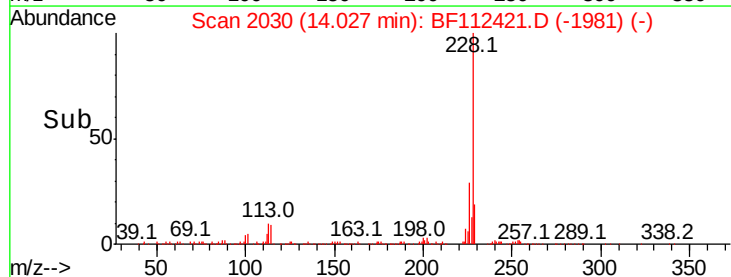
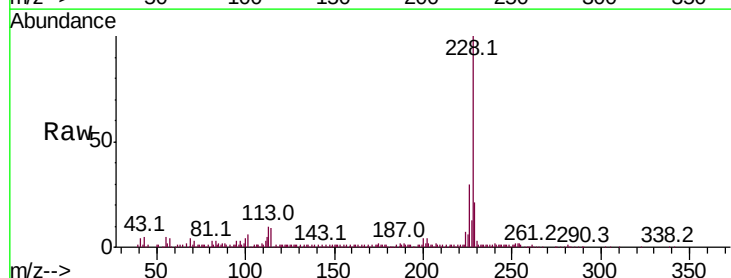
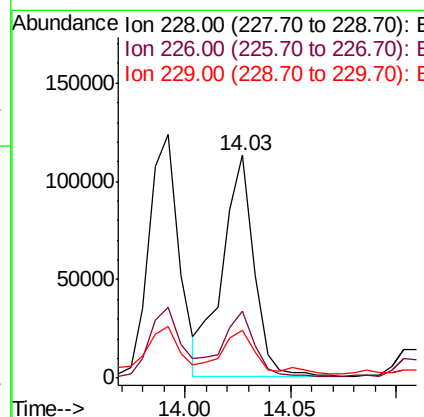
Manual Integrations
APPROVED

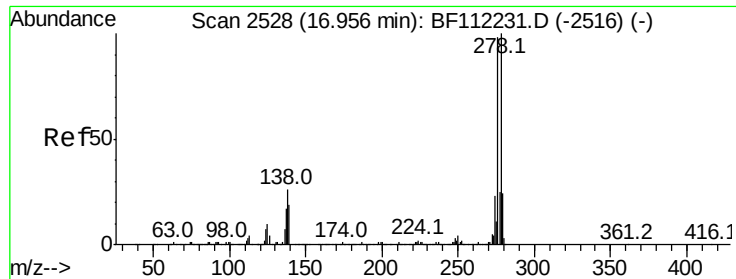
mohammad
2/7/2019 8:40:12 AM



#83
Chrysene
Concen: 6.864 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.3	16.6	24.8





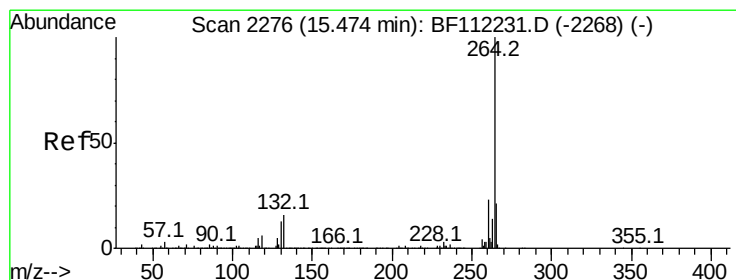
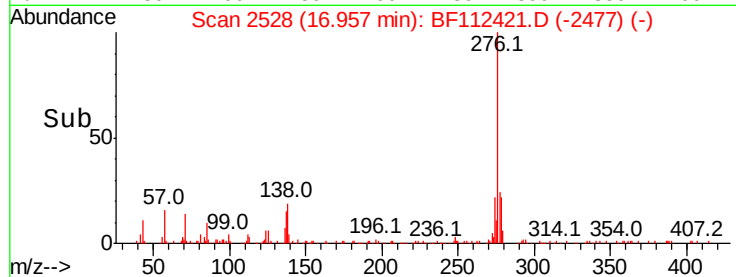
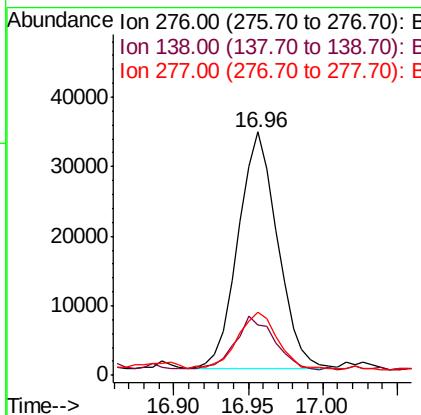
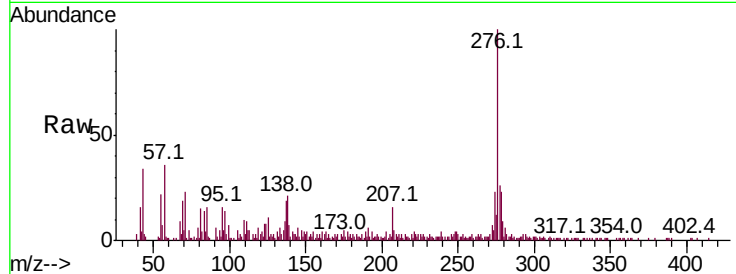
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.583 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.6	34.0
277	24.0	20.3	30.5

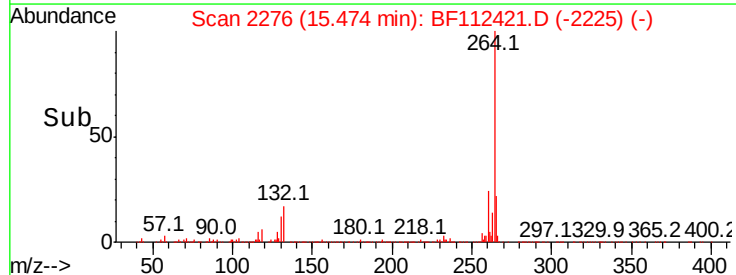
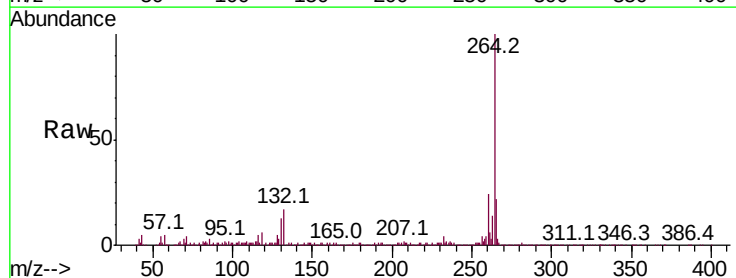
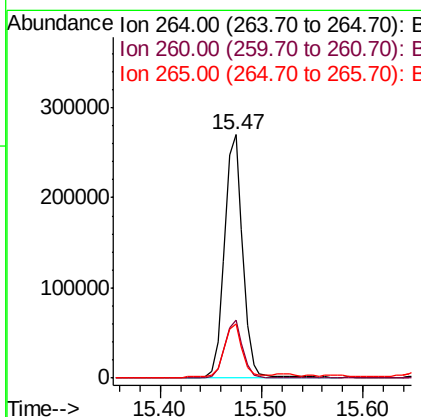
Manual Integrations
 APPROVED

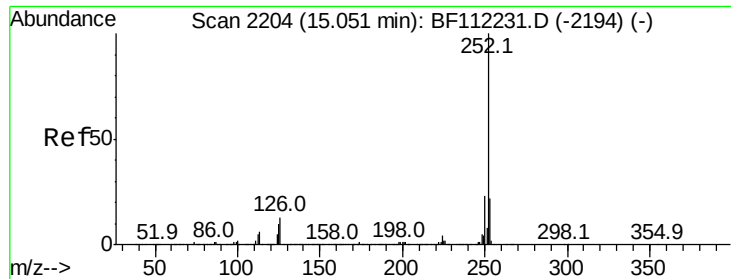
mohammad
 2/7/2019 8:40:12 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.2
265	22.0	17.0	25.4





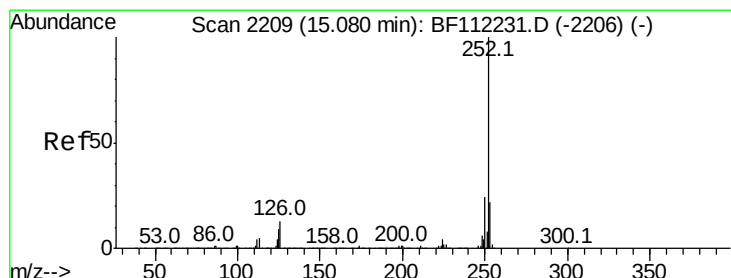
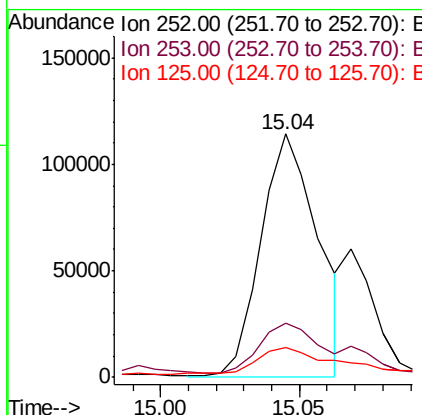
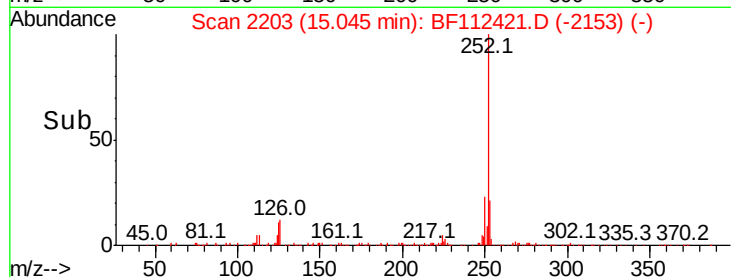
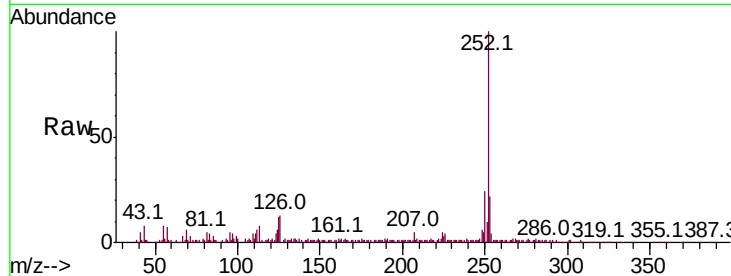
#88
Benzo(b)fluoranthene
Concen: 8.228 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.3	8.7	13.1

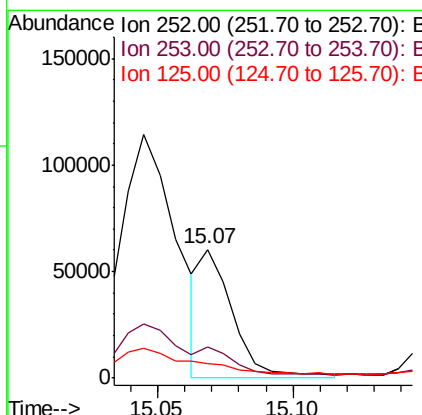
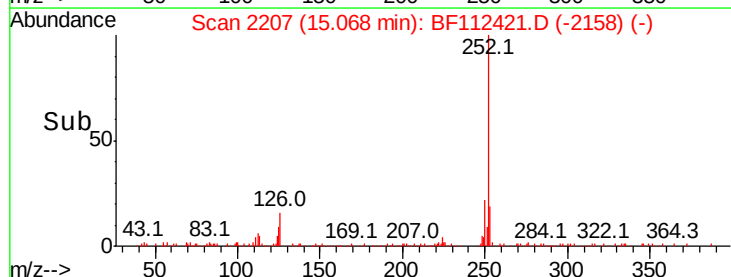
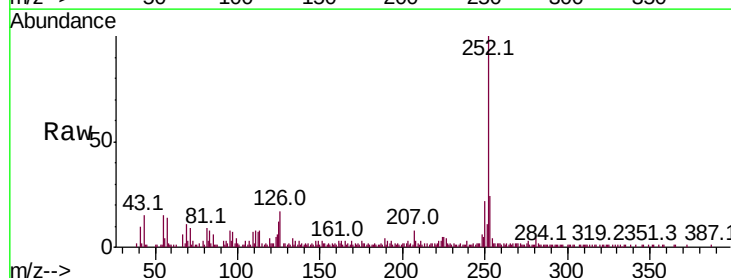
Manual Integrations
APPROVED

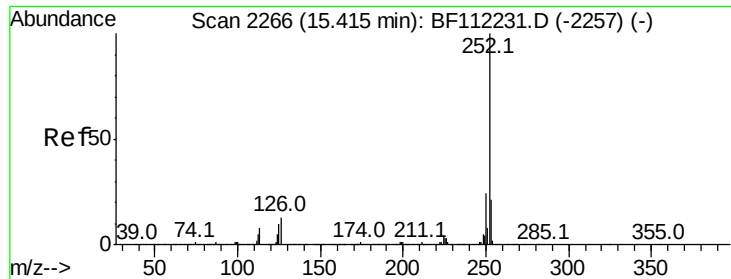
mohammad
2/7/2019 8:40:12 AM



#89
Benzo(k)fluoranthene
Concen: 2.667 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	11.6	9.1	13.7





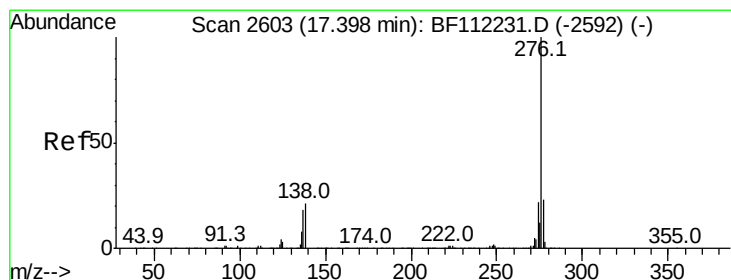
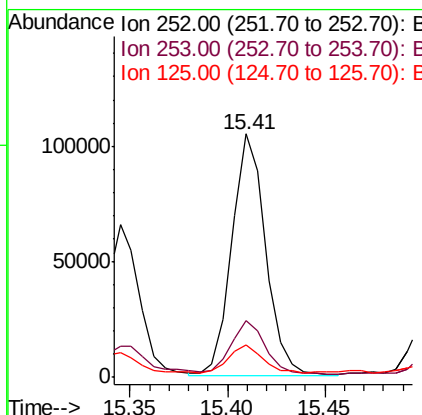
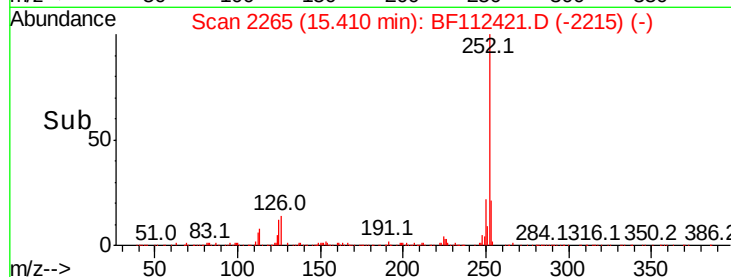
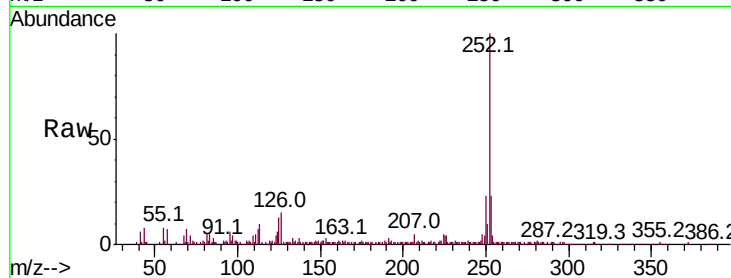
#90
Benzo(a)pyrene
Concen: 6.984 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.3	9.0	13.4

Manual Integrations
APPROVED

mohammad
2/7/2019 8:40:12 AM



#92
Benzo(g,h,i)perylene
Concen: 4.470 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.0
138	22.3	19.1	28.7

