

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007061.D
 Acq On : 10 Aug 2019 22:58
 Operator : HP/JU
 Sample : K4143-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW053-073019

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:56:21 AM

Quant Time: Aug 12 05:06:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8569	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32979	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	18762	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	45458	0.40	ng	0.00
26) Chrysene-d12	21.05	240	48432	0.40	ng	-0.01
32) Perylene-d12	23.16	264	53255	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	4760	0.23	ng	0.00
4) Phenol-d6	6.61	99	6395	0.25	ng	0.00
7) Nitrobenzene-d5	8.56	82	4917	0.18	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	11673	0.19	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1434	0.14	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5047	0.19	ng	0.00
24) Fluoranthene-d10	18.87	212	30124	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	23592	0.18	ng	0.00

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	6829	0.070	ng	100
22) Phenanthrene	16.87	178	31512	0.231	ng	100
23) Anthracene	16.96	178	6141	0.049	ng	# 95
25) Fluoranthene	18.90	202	74675	0.429	ng	100
27) Pyrene	19.26	202	70684	0.416	ng	97
29) Benzo(a)anthracene	21.02	228	33796	0.191	ng	94
30) Chrysene	21.08	228	42057	0.244	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	25615	0.135	ng	97
33) Benzo(b)fluoranthene	22.54	252	55007	0.301	ng	97
34) Benzo(k)fluoranthene	22.57	252	16458m	0.091	ng	
35) Benzo(a)pyrene	23.07	252	33248	0.201	ng	97
36) Dibenzo(a,h)anthracene	25.24	278	6522	0.039	ng	# 77
37) Benzo(g,h,i)perylene	25.86	276	26610	0.157	ng	96

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

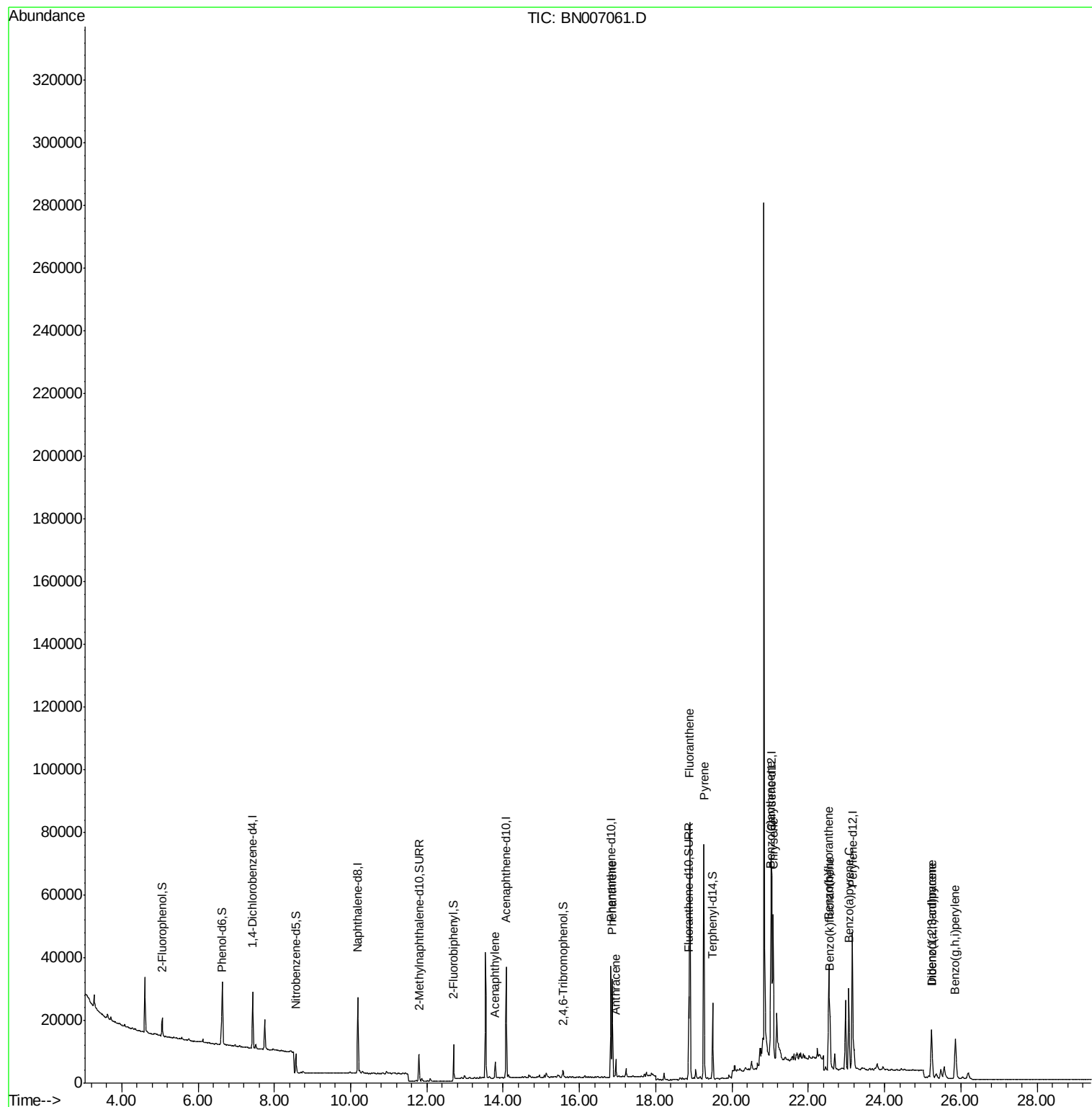
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007061.D
Acq On : 10 Aug 2019 22:58
Operator : HP/JU
Sample : K4143-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

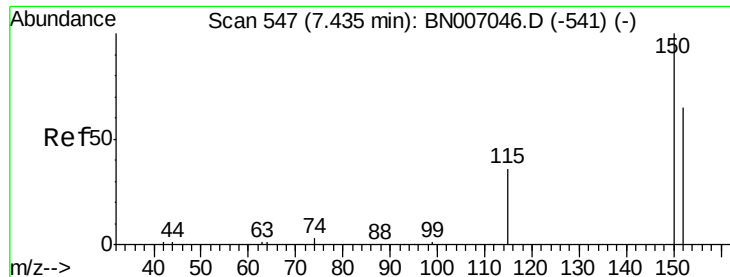
Instrument :
BNA_N
ClientSampleId :
PST-006-SW053-073019

Manual Integrations
APPROVED

mohammad
8/14/2019 2:56:21 AM

Quant Time: Aug 12 05:06:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

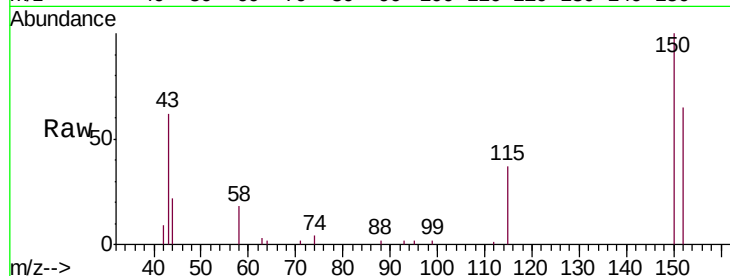




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

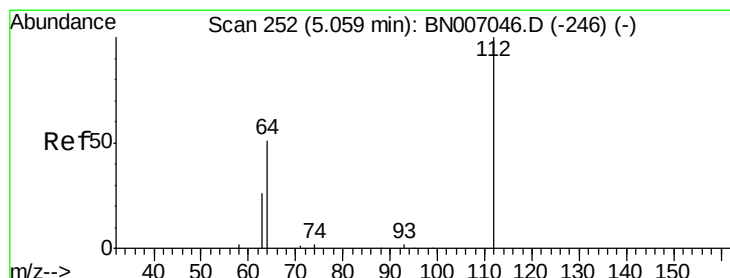
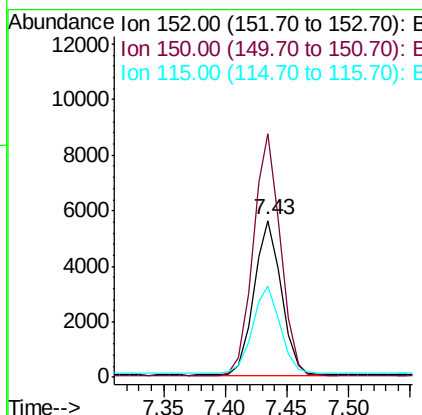
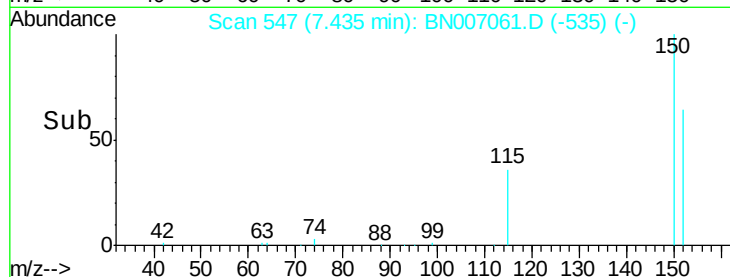
Instrument :
BNA_N
ClientSampleId :
PST-006-SW053-073019



Tgt Ion:152 Resp: 8569
Ion Ratio Lower Upper
152 100
150 154.9 121.7 182.5
115 58.0 46.2 69.4

Manual Integrations
APPROVED

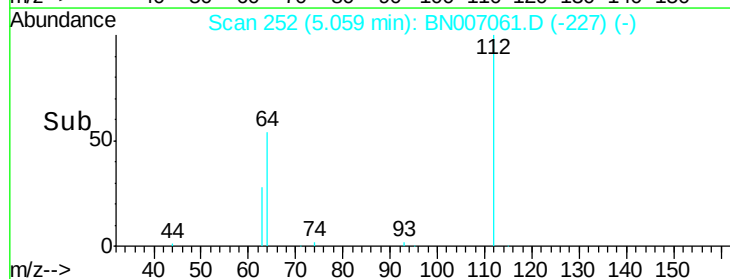
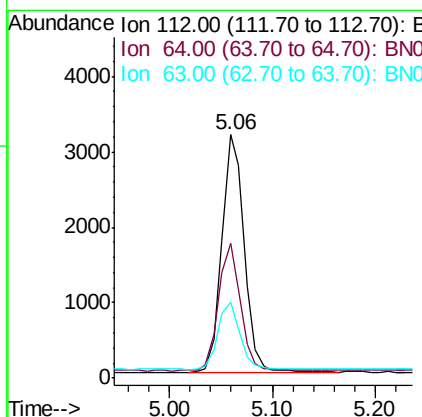
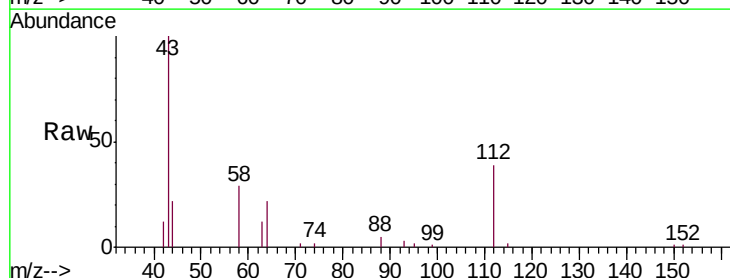
mohammad
8/14/2019 2:56:21 AM

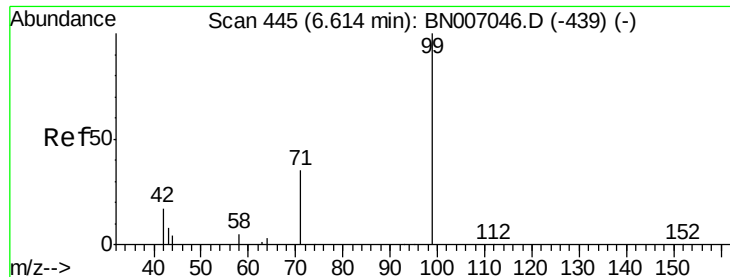


#3

2-Fluorophenol
Concen: 0.231 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Tgt Ion:112 Resp: 4760
Ion Ratio Lower Upper
112 100
64 52.9 42.6 63.8
63 28.0 22.2 33.2





#4

Phenol-d6

Concen: 0.251 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Instrument :

BNA_N

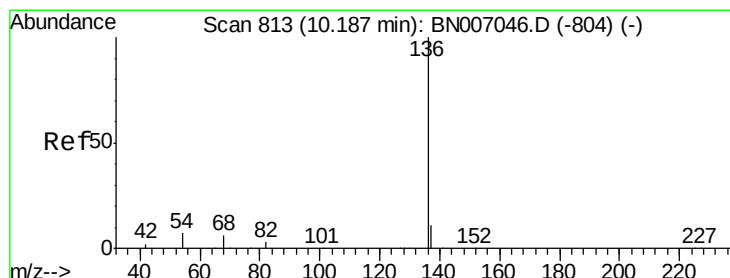
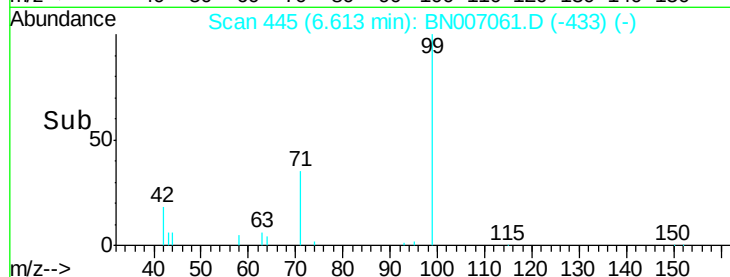
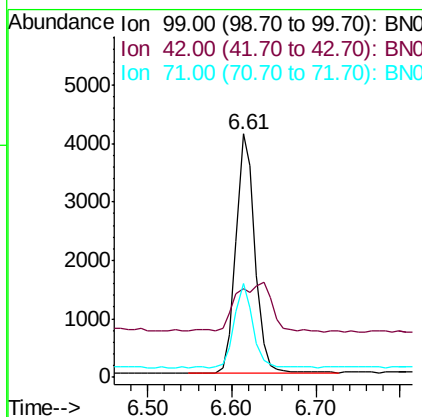
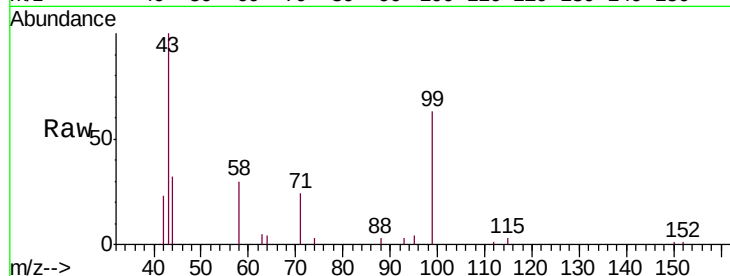
ClientSampleId :

PST-006-SW053-073019

Tgt Ion:	99	Resp:	6395
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	35.0	27.0	40.4

Manual Integrations
APPROVED

mohammad
8/14/2019 2:56:21 AM



#6

Naphthalene-d8

Concen: 0.400 ng

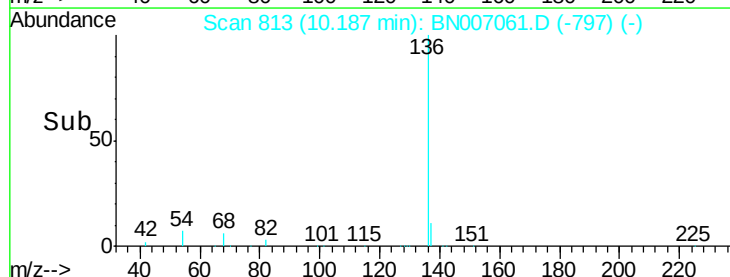
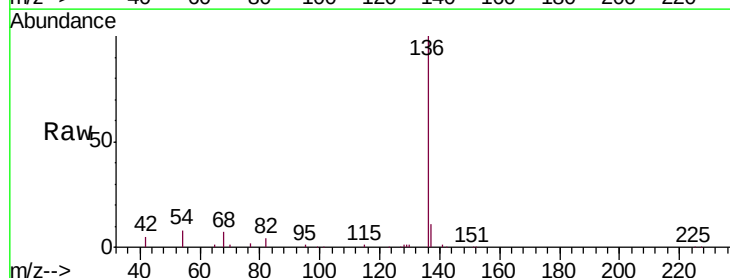
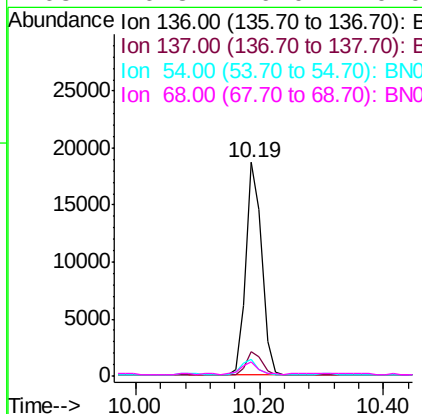
RT: 10.19 min Scan# 813

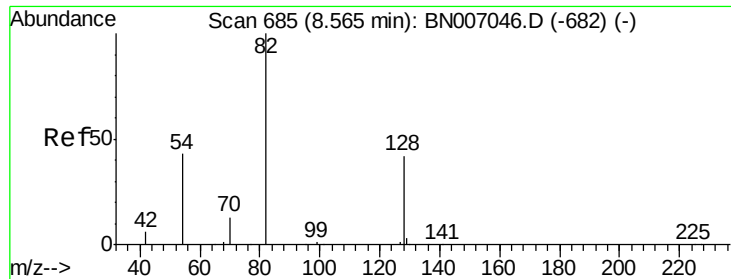
Delta R.T. -0.00 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Tgt Ion:	136	Resp:	32979
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.4	14.0
54	7.6	6.6	9.8
68	6.8	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.185 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Instrument :

BNA_N

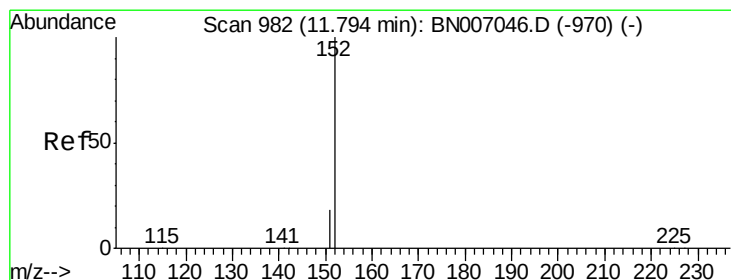
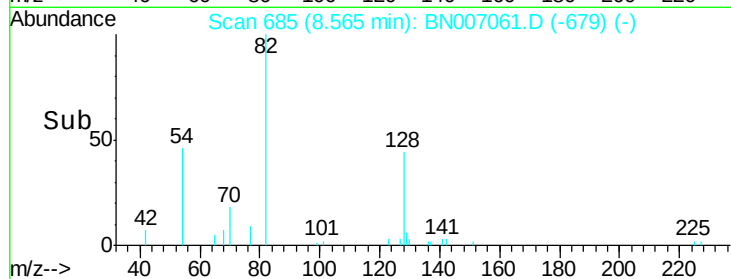
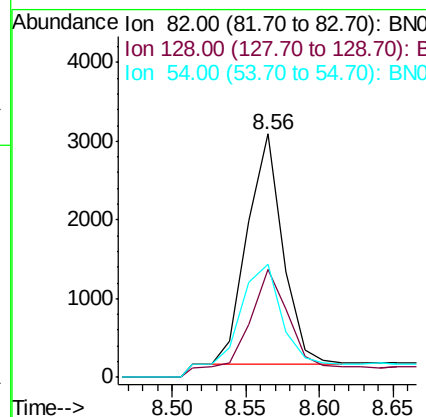
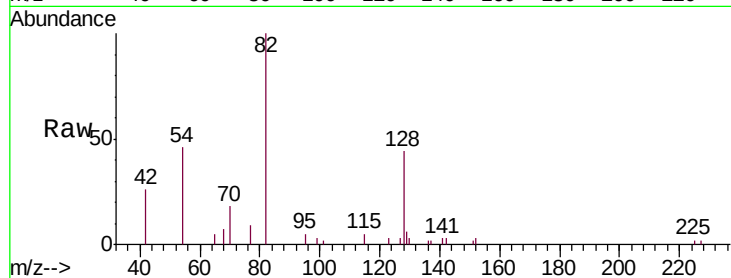
ClientSampleId :

PST-006-SW053-073019

Tgt Ion:	82	Resp:	4917
Ion Ratio	Lower	Upper	
82	100		
128	44.2	34.6	51.8
54	46.5	36.2	54.4

Manual Integrations
APPROVED

mohammad
8/14/2019 2:56:21 AM



#10

2-Methylnaphthalene-d10

Concen: 0.190 ng

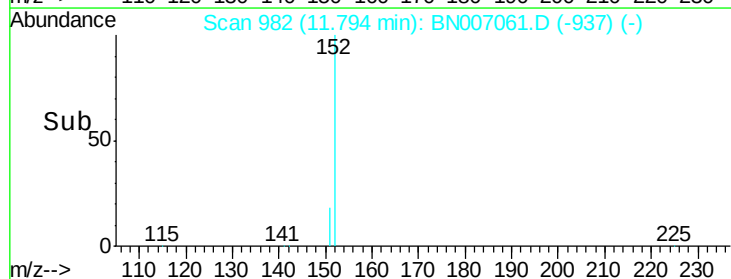
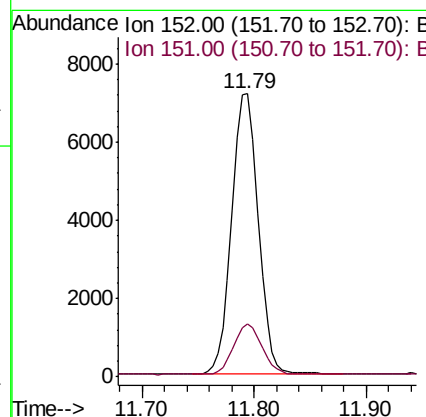
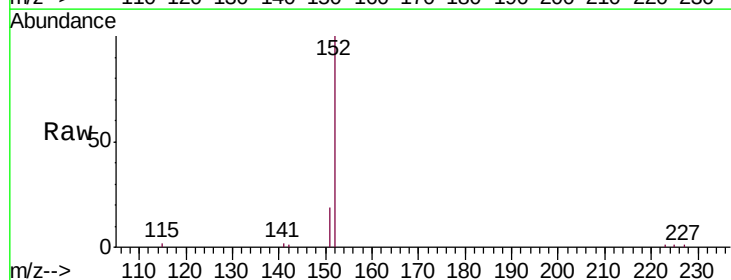
RT: 11.79 min Scan# 982

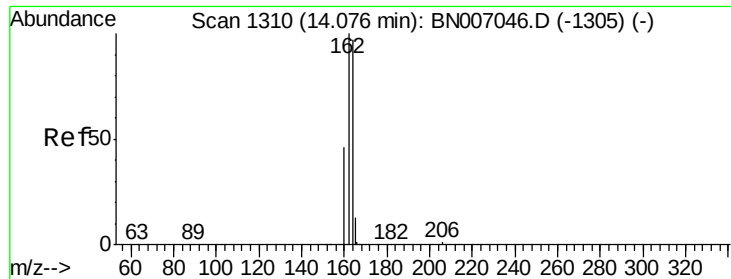
Delta R.T. -0.00 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Tgt Ion:	152	Resp:	11673
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Instrument :

BNA_N

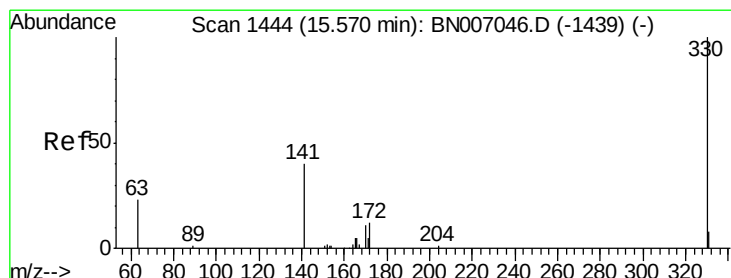
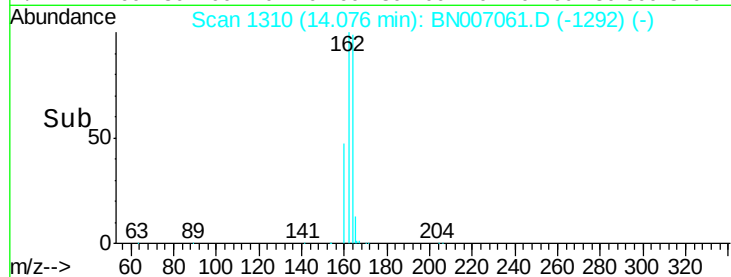
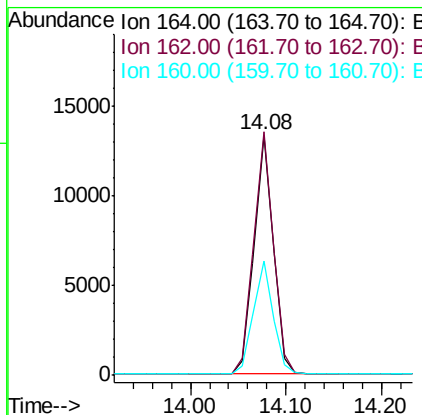
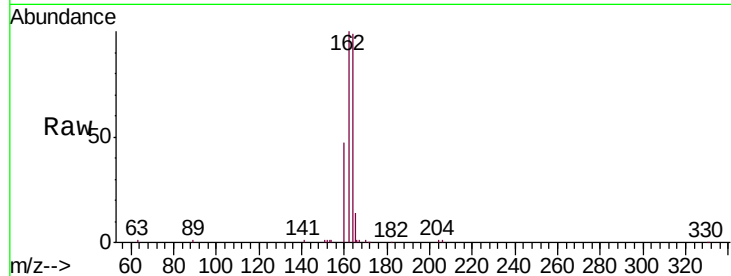
ClientSampleId :

PST-006-SW053-073019

Tgt Ion:	164	Resp:	18762
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.2	123.4
160	47.5	38.3	57.5

Manual Integrations
APPROVED

mohammad
8/14/2019 2:56:21 AM



#13

2,4,6-Tribromophenol

Concen: 0.142 ng

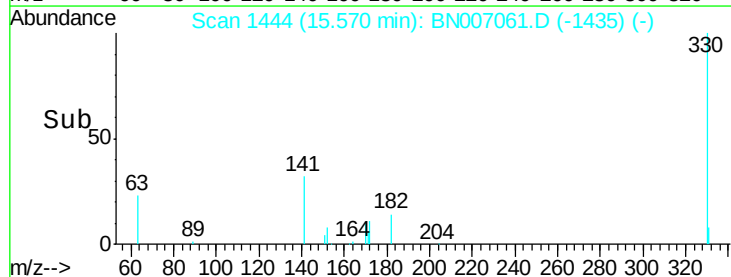
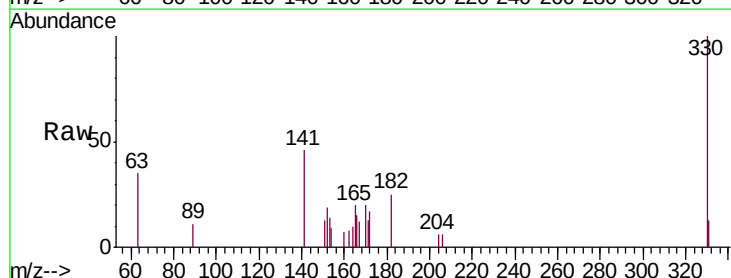
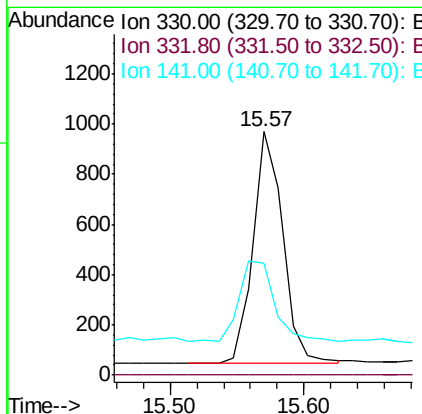
RT: 15.57 min Scan# 1444

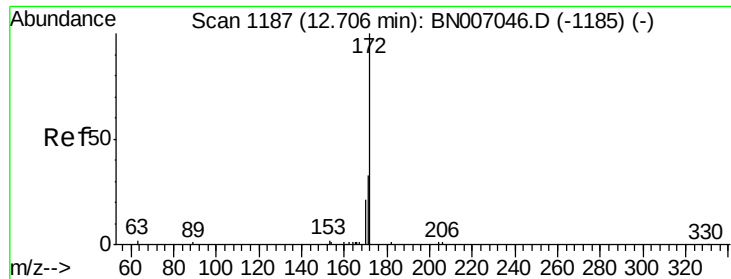
Delta R.T. -0.00 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Tgt Ion:	330	Resp:	1434
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	40.3	33.6	50.4





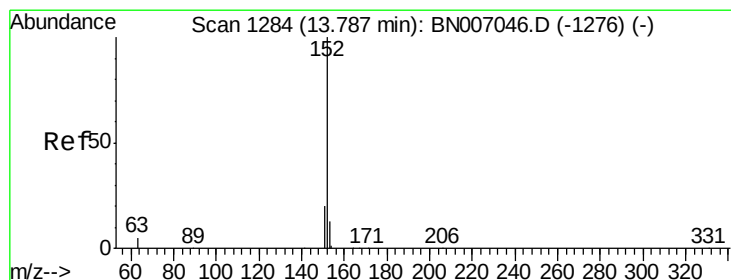
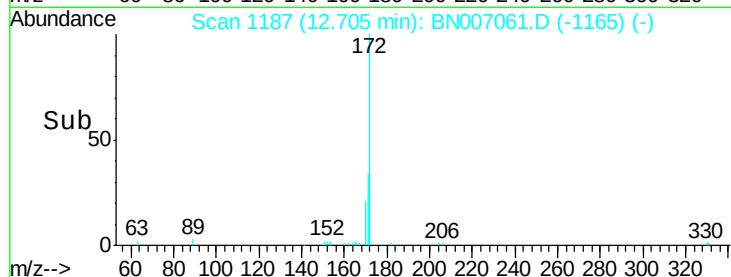
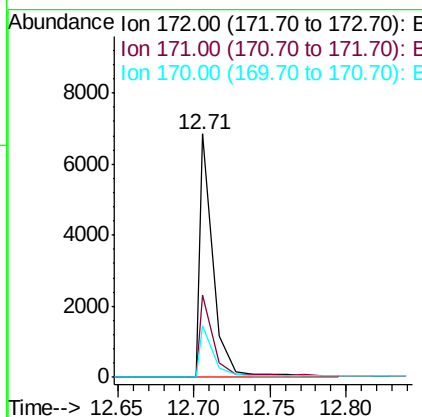
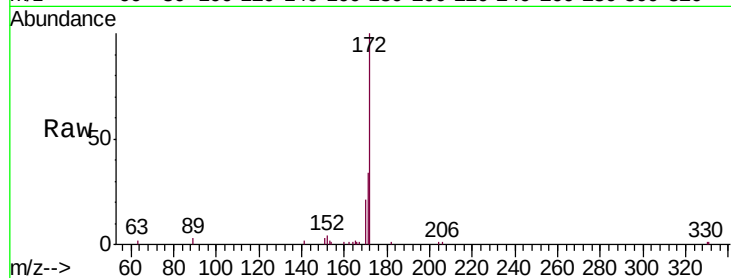
#14
2-Fluorobiphenyl
Concen: 0.185 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :
PST-006-SW053-073019

Tgt Ion:	172	Resp:	5047
Ion Ratio	Lower	Upper	
172	100		
171	33.8	26.3	39.5
170	21.3	17.0	25.4

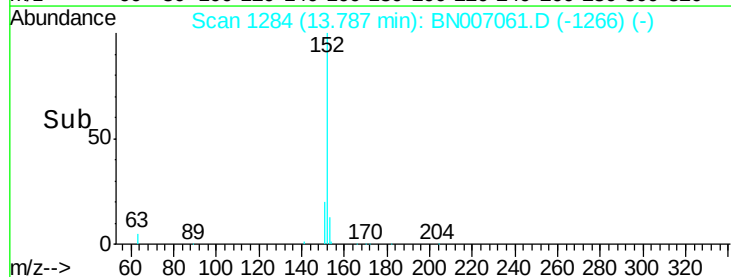
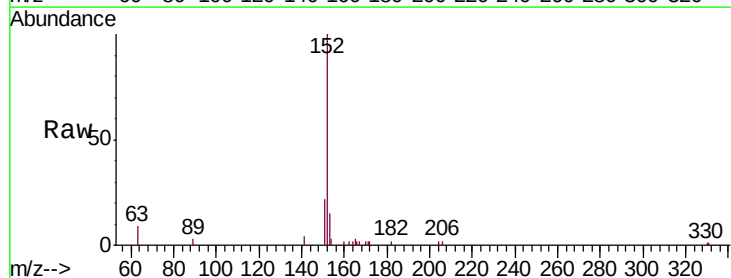
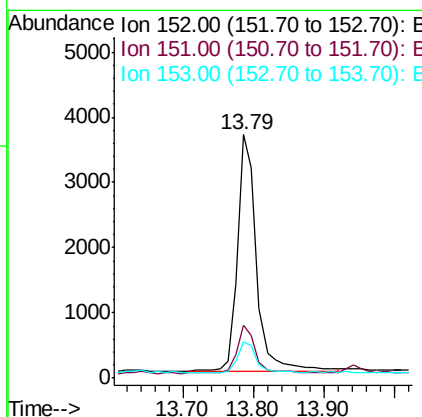
Manual Integrations
APPROVED

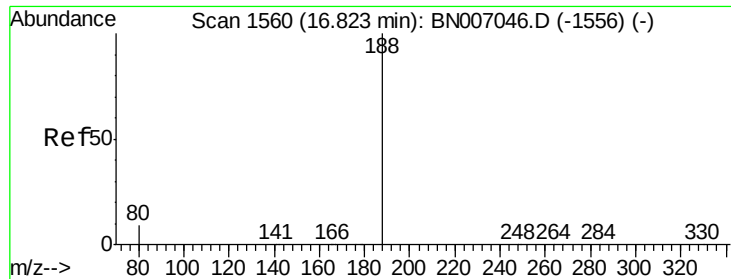
mohammad
8/14/2019 2:56:21 AM



#15
Acenaphthylene
Concen: 0.070 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Tgt Ion:	152	Resp:	6829
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	12.6	10.4	15.6





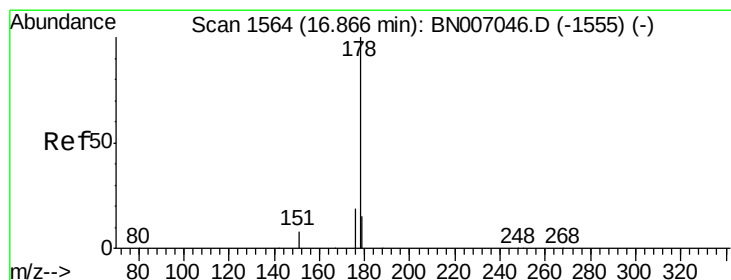
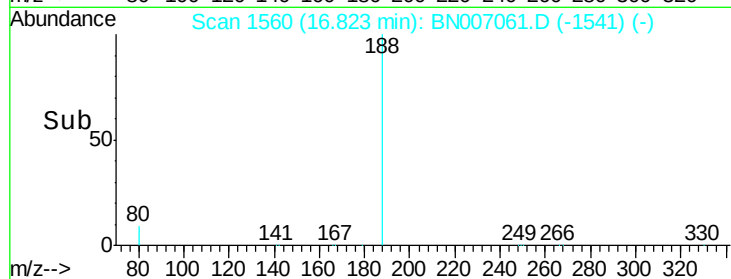
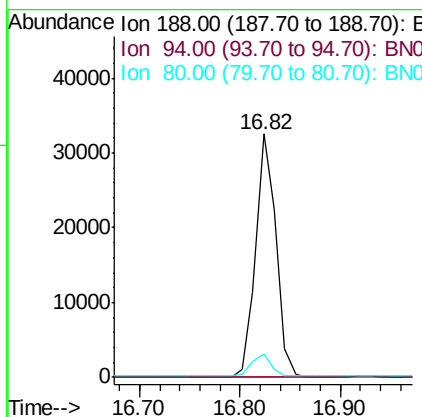
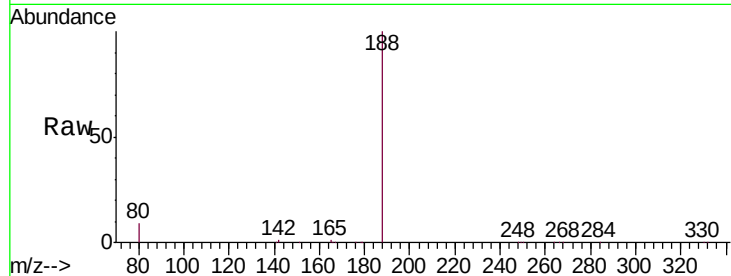
#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW053-073019

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	45458		
94	0.0	0.0	0.0	0.0
80	9.5	7.8	11.6	

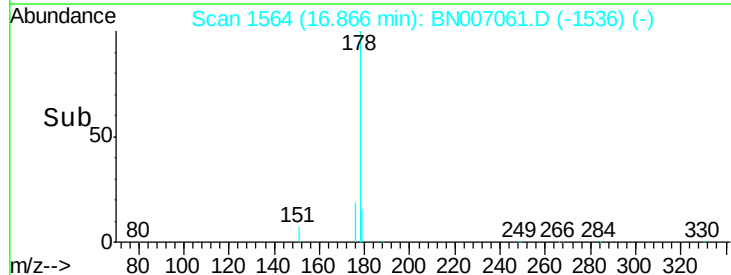
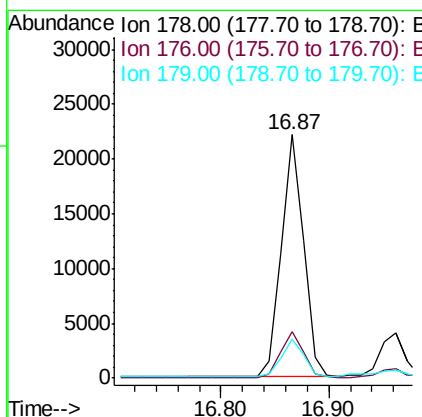
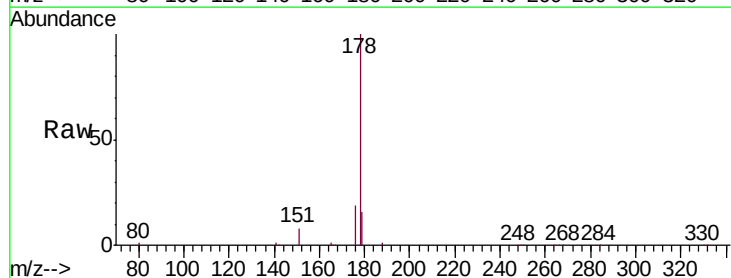
Manual Integrations
 APPROVED

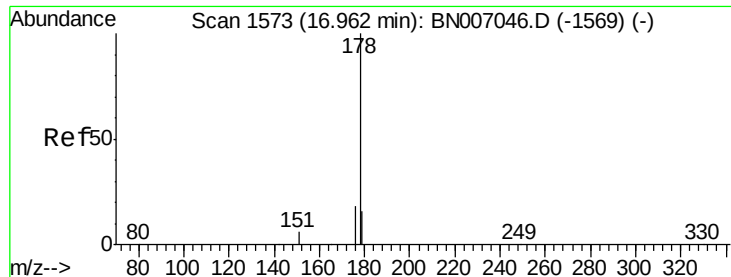
mohammad
 8/14/2019 2:56:21 AM



#22
 Phenanthrene
 Concen: 0.231 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	31512		
176	19.0	15.2	22.8	
179	15.7	12.3	18.5	





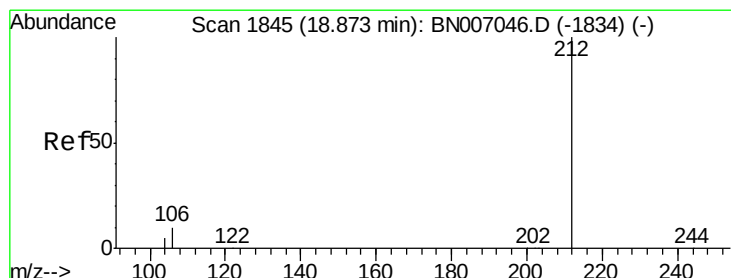
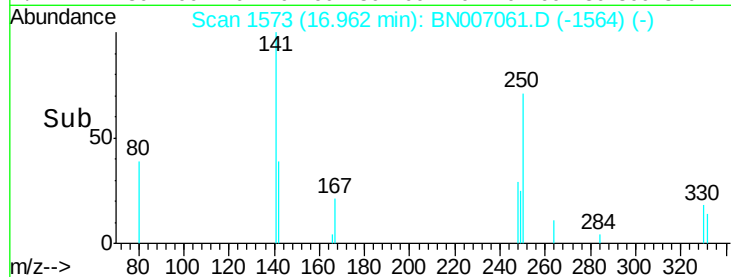
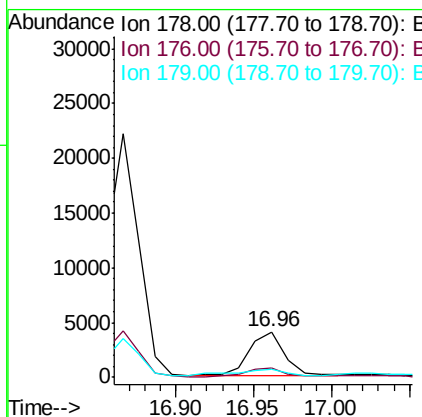
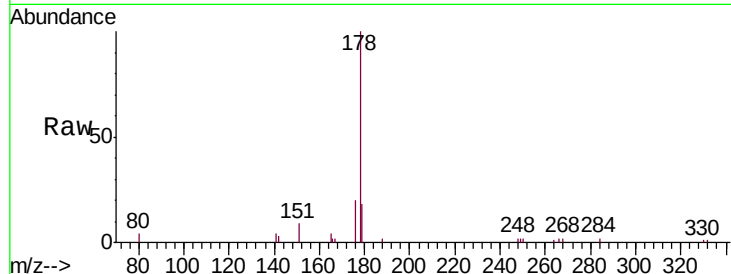
#23
 Anthracene
 Concen: 0.049 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW053-073019

Tgt Ion:	178	Resp:	6141
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.6	21.8
179	19.5	12.5	18.7#

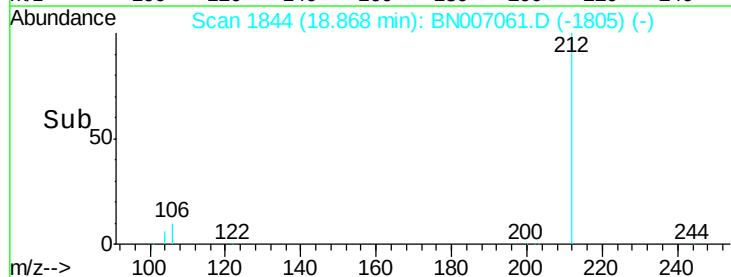
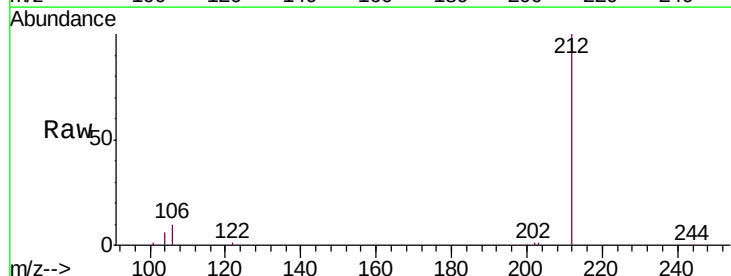
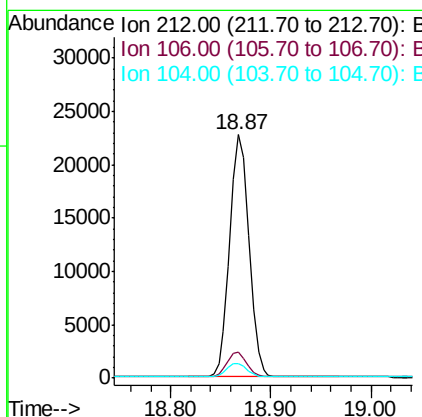
Manual Integrations
 APPROVED

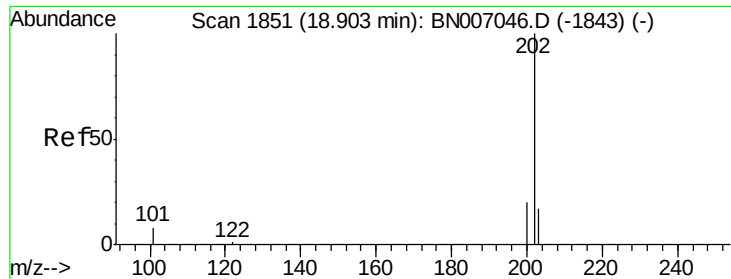
mohammad
 8/14/2019 2:56:21 AM



#24
 Fluoranthene-d10
 Concen: 0.187 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Tgt Ion:	212	Resp:	30124
Ion Ratio	Lower	Upper	
212	100		
106	10.2	8.2	12.2
104	5.8	4.5	6.7





#25

Fluoranthene

Concen: 0.429 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Instrument :

BNA_N

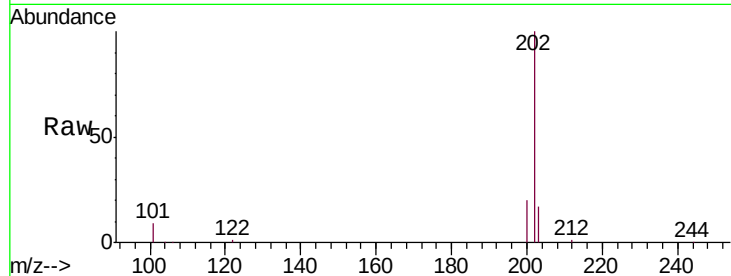
ClientSampleId :

PST-006-SW053-073019

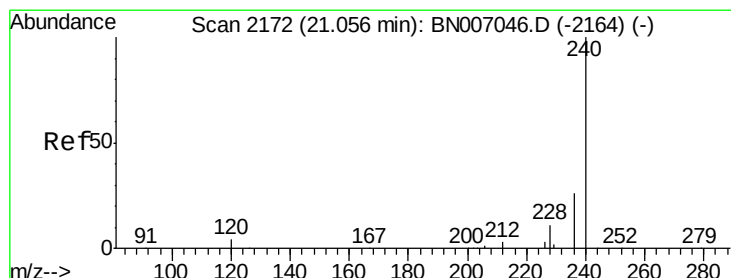
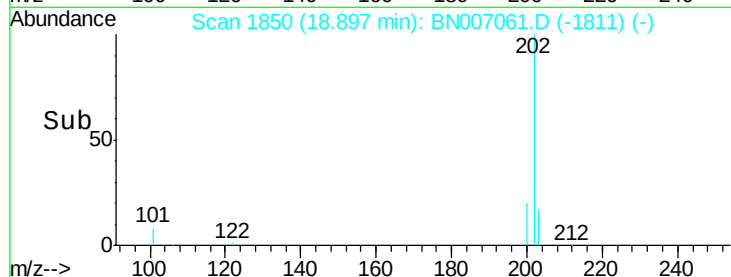
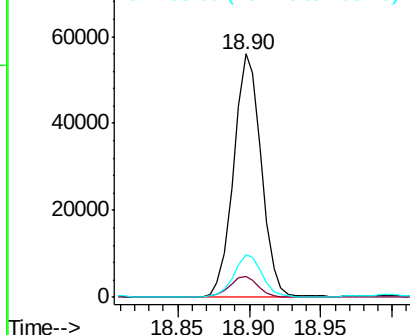
Tgt Ion:	202	Resp:	74675
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
203	17.4	13.8	20.8

Manual Integrations
APPROVED

mohammad
8/14/2019 2:56:21 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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

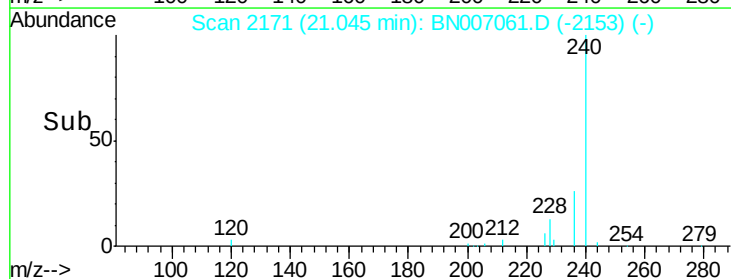
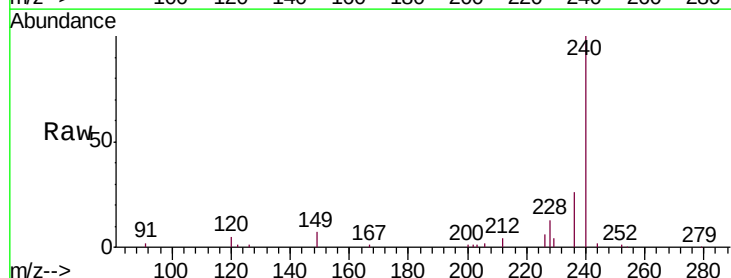
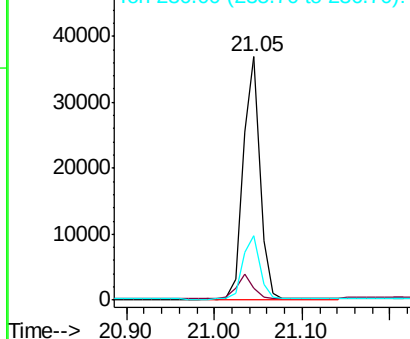
Delta R.T. -0.01 min

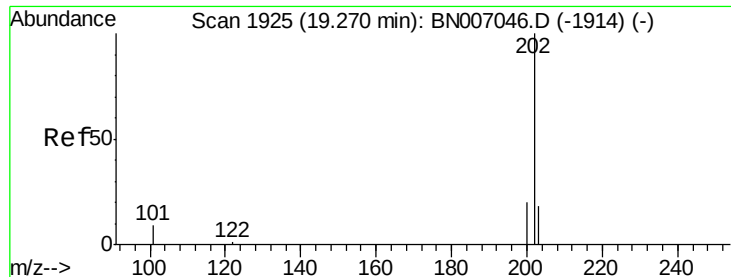
Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Tgt Ion:	240	Resp:	48432
Ion Ratio	Lower	Upper	
240	100		
120	4.9	4.0	6.0
236	26.5	21.3	31.9

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





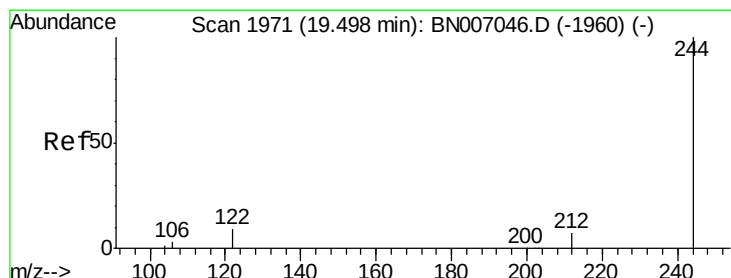
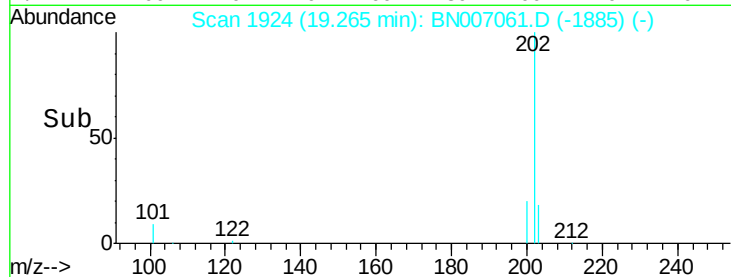
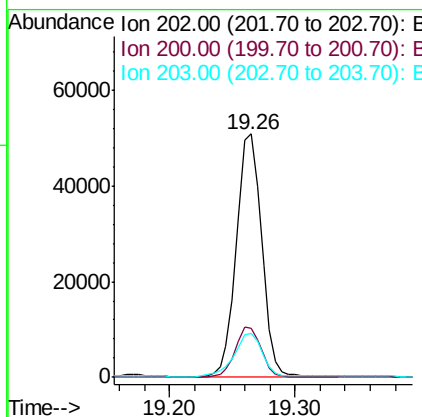
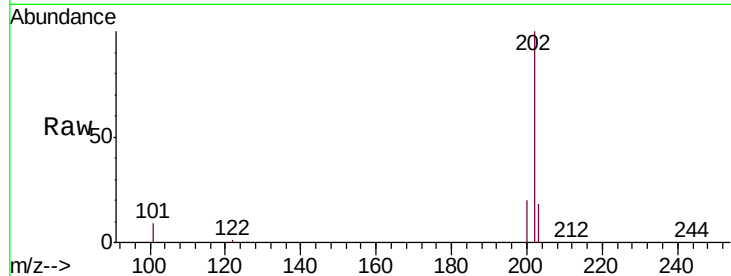
#27
 Pyrene
 Concen: 0.416 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW053-073019

Tgt Ion:	202	Resp:	70684
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.6	24.8
203	20.2	14.0	21.0

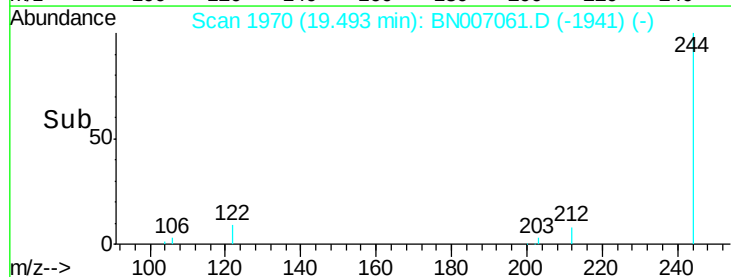
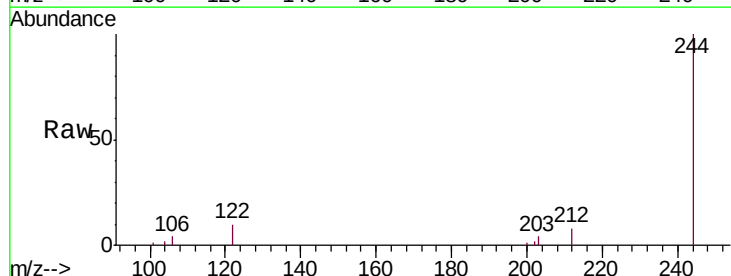
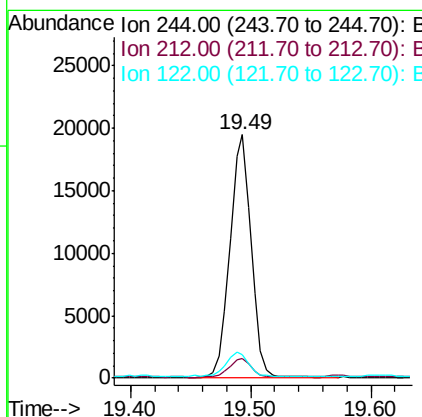
Manual Integrations
 APPROVED

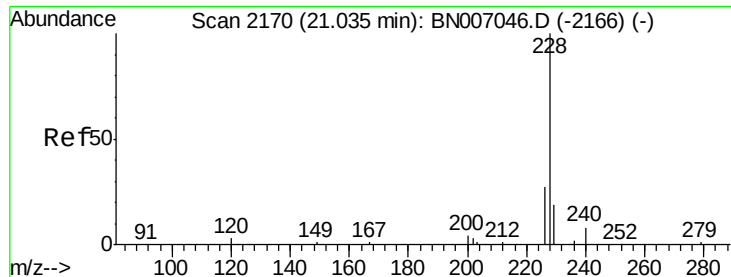
mohammad
 8/14/2019 2:56:21 AM



#28
 Terphenyl-d14
 Concen: 0.179 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Tgt Ion:	244	Resp:	23592
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.2
122	9.6	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.191 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Instrument :

BNA_N

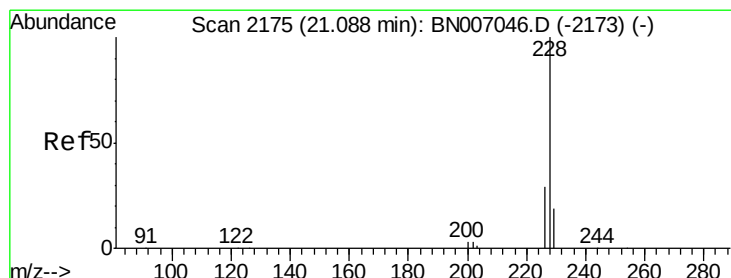
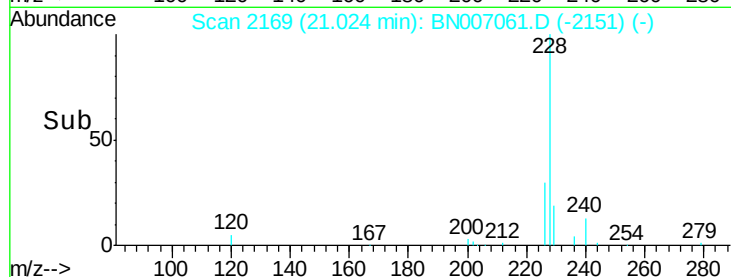
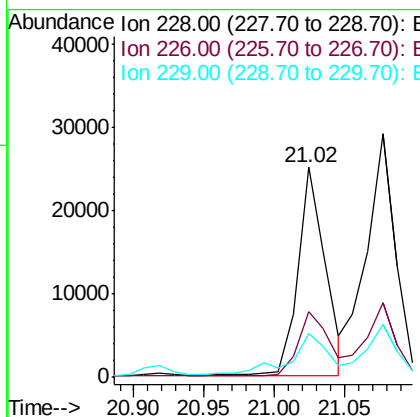
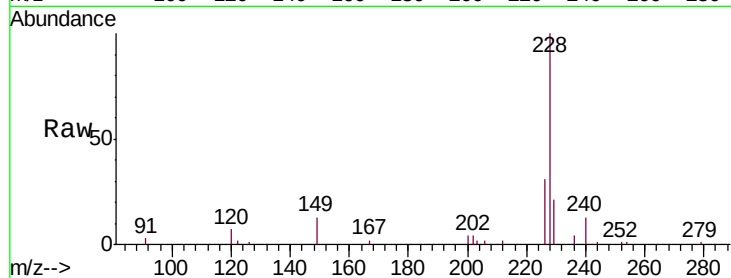
ClientSampleId :

PST-006-SW053-073019

Tgt Ion:	228	Resp:	33796
Ion Ratio	Lower	Upper	
228	100		
226	31.3	21.8	32.6
229	21.1	15.6	23.4

Manual Integrations
APPROVED

mohammad
8/14/2019 2:56:21 AM



#30

Chrysene

Concen: 0.244 ng

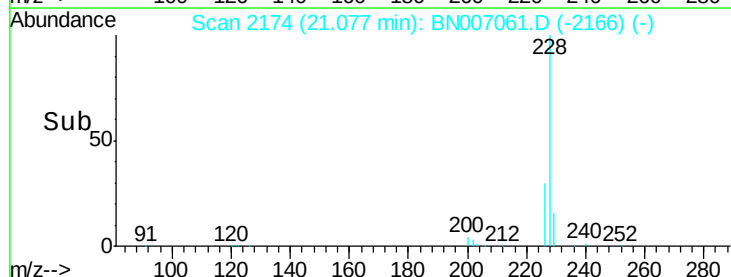
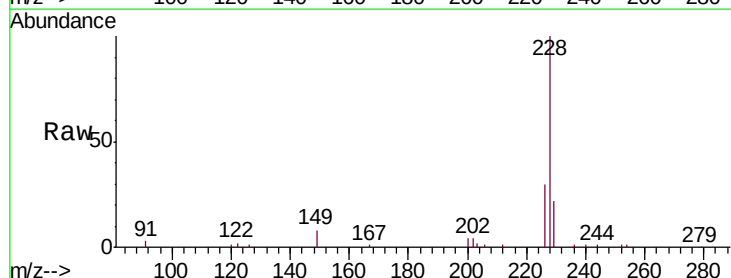
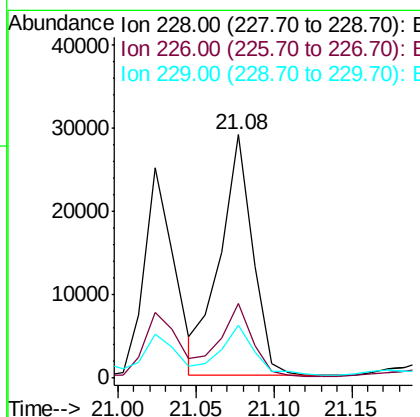
RT: 21.08 min Scan# 2174

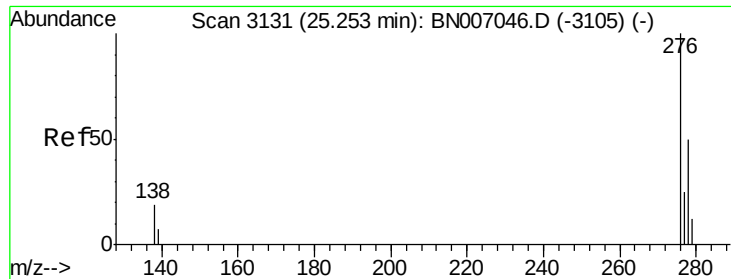
Delta R.T. -0.01 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

Tgt Ion:	228	Resp:	42057
Ion Ratio	Lower	Upper	
228	100		
226	30.4	23.8	35.6
229	22.0	15.7	23.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.135 ng

RT: 25.23 min Scan# 3125

Delta R.T. -0.02 min

Lab File: BN007061.D

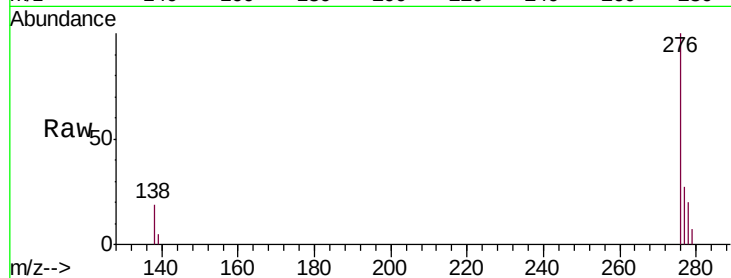
Acq: 10 Aug 2019 22:58

Instrument :

BNA_N

ClientSampleId :

PST-006-SW053-073019



Tgt Ion: 276 Resp: 25615

Ion Ratio Lower Upper

276 100

138 17.8 16.0 24.0

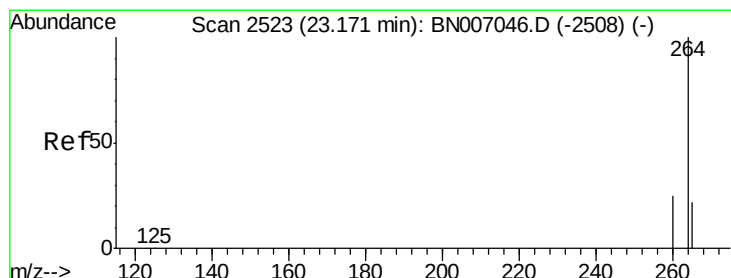
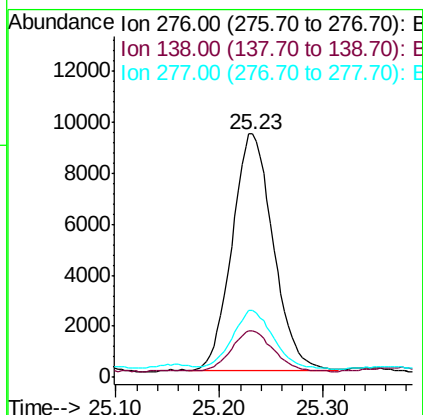
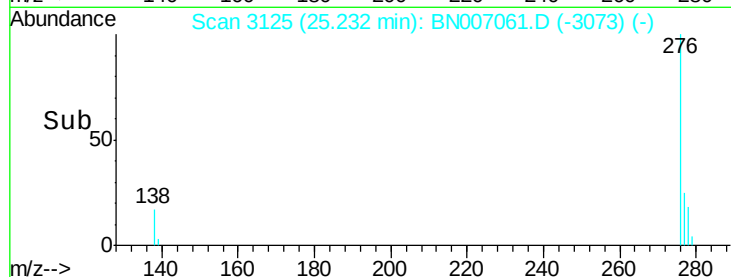
277 24.5 19.9 29.9

Manual Integrations

APPROVED

mohammad

8/14/2019 2:56:21 AM



#32

Perylene-d12

Concen: 0.400 ng

RT: 23.16 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BN007061.D

Acq: 10 Aug 2019 22:58

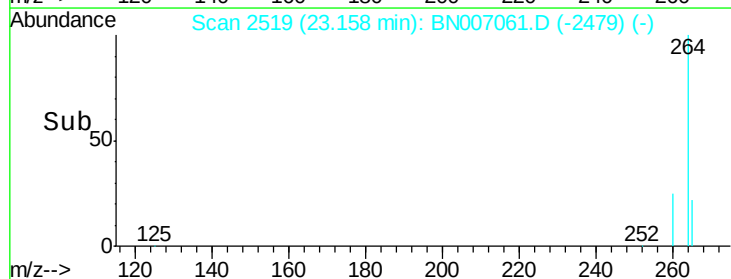
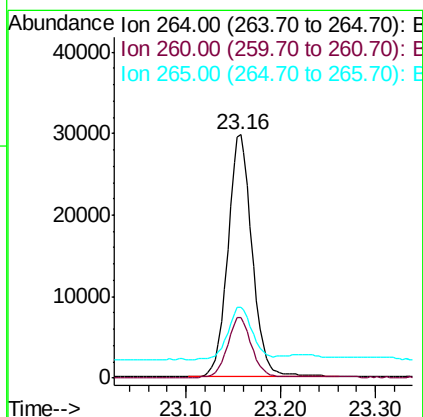
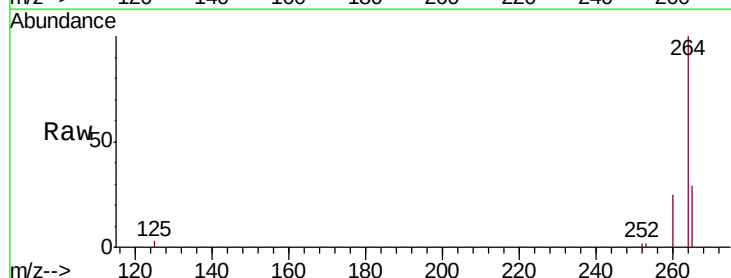
Tgt Ion: 264 Resp: 53255

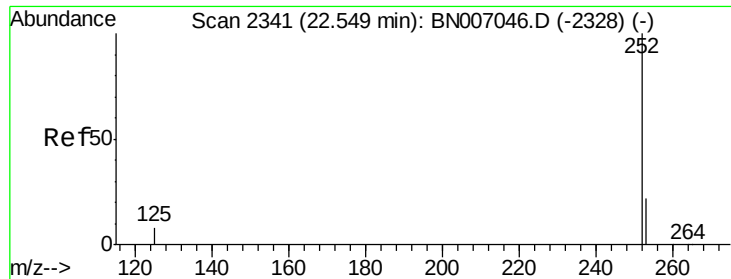
Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

265 29.1 26.2 39.4





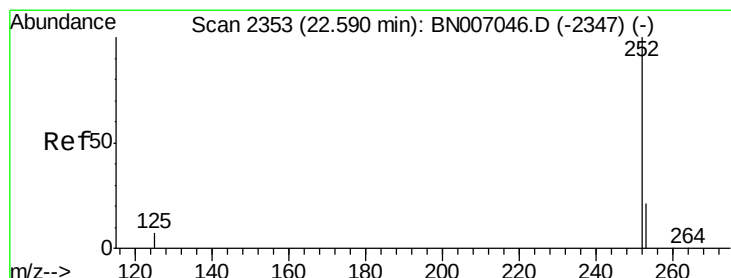
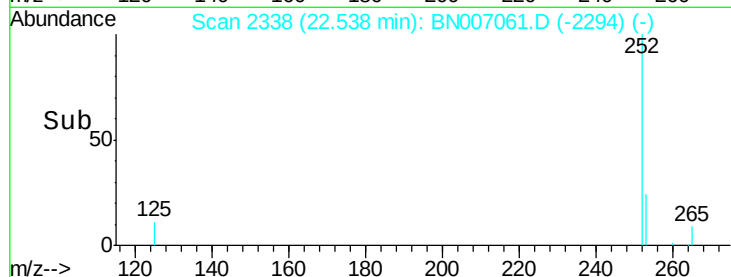
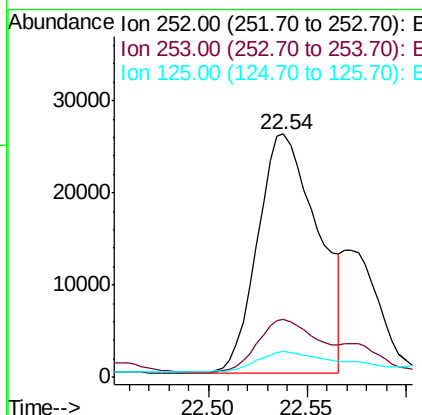
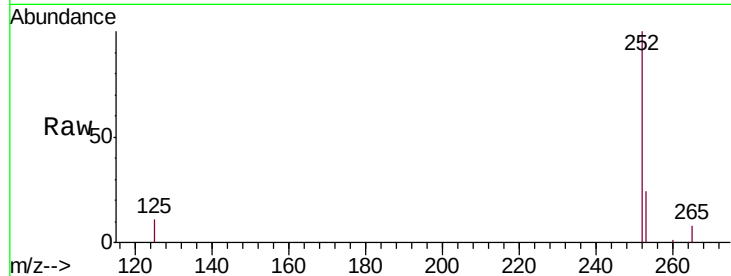
#33
Benzo(b)fluoranthene
Concen: 0.301 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :
PST-006-SW053-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.6	7.4	11.0

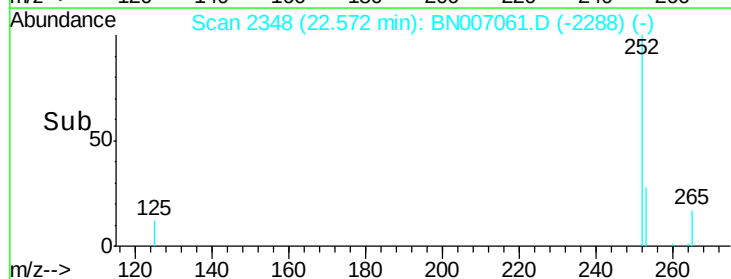
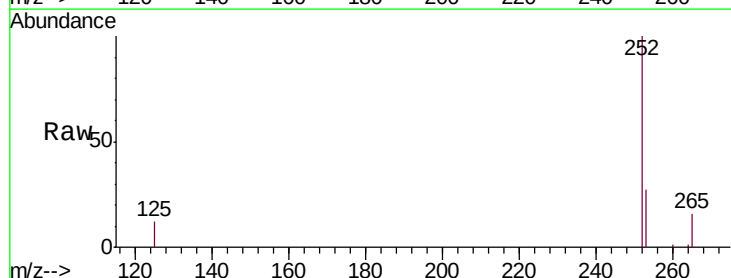
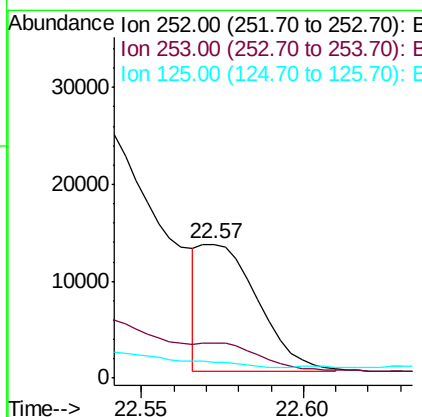
Manual Integrations
APPROVED

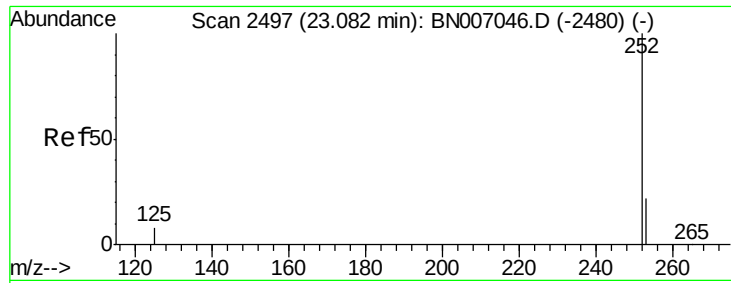
mohammad
8/14/2019 2:56:21 AM



#34
Benzo(k)fluoranthene
Concen: 0.091 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.1	27.1
125	12.0	7.4	11.0#





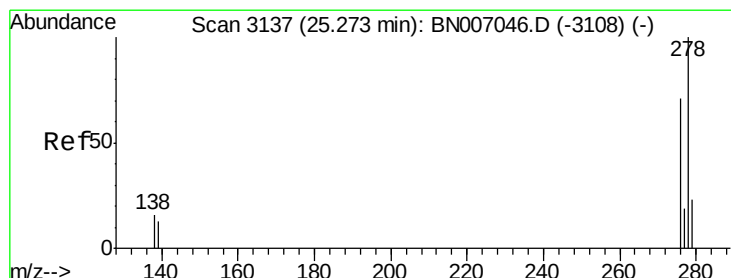
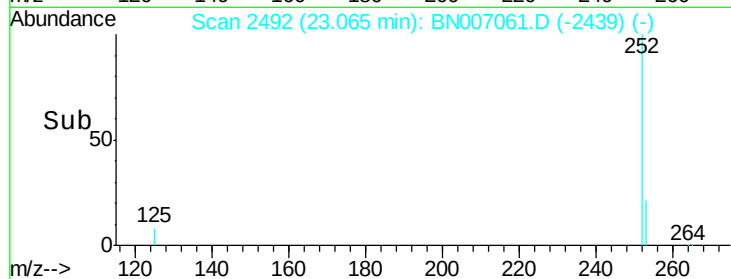
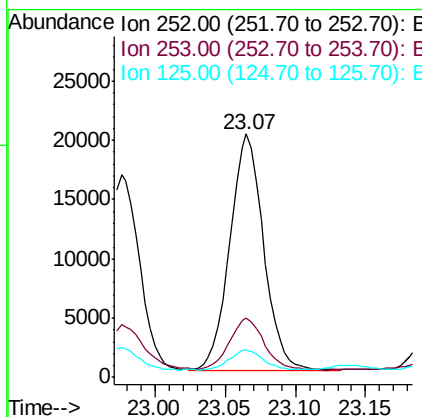
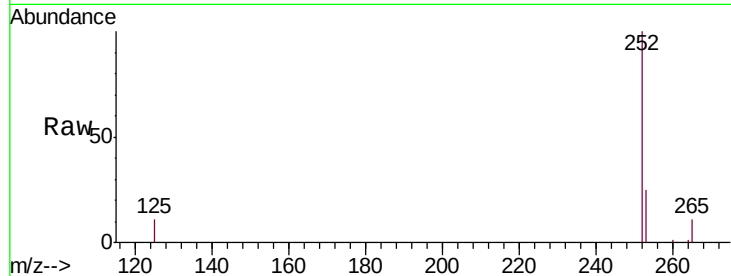
#35
Benzo(a)pyrene
Concen: 0.201 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Instrument :
BNA_N
ClientSampleId :
PST-006-SW053-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	11.1	8.2	12.4

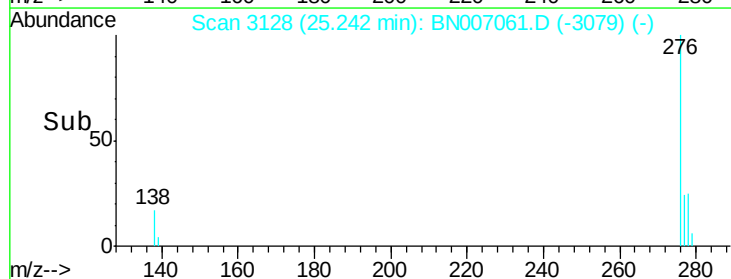
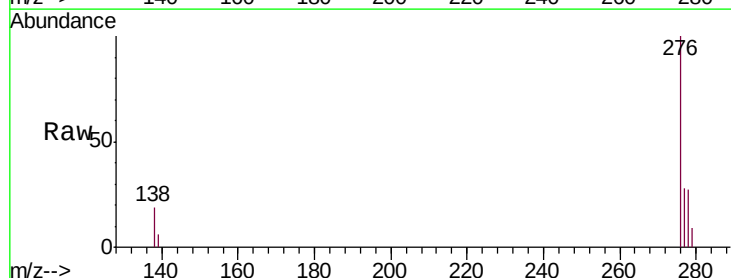
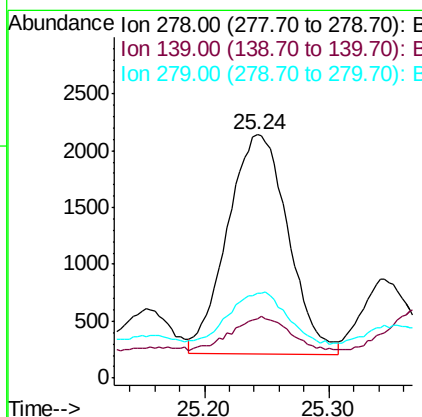
Manual Integrations
APPROVED

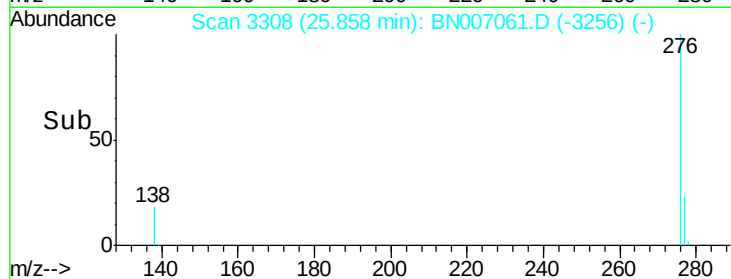
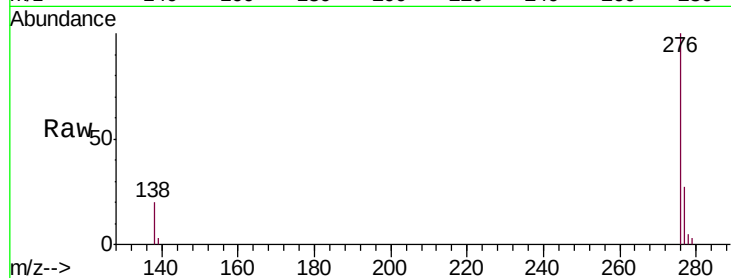
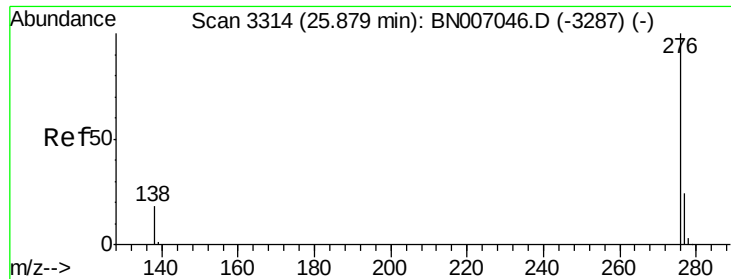
mohammad
8/14/2019 2:56:21 AM



#36
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007061.D
Acq: 10 Aug 2019 22:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	11.3	16.9#
279	34.8	19.3	28.9#





#37
 Benzo(g,h,i)perylene
 Concen: 0.157 ng
 RT: 25.86 min Scan# 3308
 Delta R.T. -0.02 min
 Lab File: BN007061.D
 Acq: 10 Aug 2019 22:58

Instrument :
 BNA_N
 ClientSampleId :
 PST-006-SW053-073019

Tgt Ion:	276	Resp:	26610
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.8	29.8
138	19.9	14.6	22.0

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:56:21 AM

