

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042220\
 Data File : BG045133.D
 Acq On : 22 Apr 2020 19:27
 Operator : CG/JU
 Sample : L2327-31
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-S

Manual Integrations
 APPROVED

mohammad
 4/24/2020 4:19:14 AM

Quant Time: Apr 23 02:40:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 12:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	84838	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	349467	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	238782	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	518374	20.00	ng	0.00
76) Chrysene-d12	21.66	240	463352	20.00	ng	0.00
87) Perylene-d12	24.85	264	515876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	643697	125.26	ng	0.00
7) Phenol-d6	7.18	99	973080	127.45	ng	0.00
23) Nitrobenzene-d5	9.17	82	674107	88.02	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	472734	128.15	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1533020	94.14	ng	0.00
79) Terphenyl-d14	20.01	244	2095437	98.57	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.10	163	245800	12.642	ng	99
71) Phenanthrene	17.44	178	150039	5.633	ng	95
75) Fluoranthene	19.45	202	359445	6.154	ng	94
78) Pyrene	19.81	202	331024	10.363	ng	97
81) Benzo(a)anthracene	21.64	228	192454	6.408	ng	97
83) Chrysene	21.70	228	166595	5.774	ng	97
84) Bis(2-ethylhexyl)phthalate	21.56	149	82904	4.552	ng	96
86) Indeno(1,2,3-cd)pyrene	28.45	276	113891	2.973	ng	# 92
88) Benzo(b)fluoranthene	23.84	252	241820	7.483	ng	97
89) Benzo(k)fluoranthene	23.89	252	71032m	2.311	ng	
90) Benzo(a)pyrene	24.69	252	172201m	5.644	ng	
92) Benzo(a,h,i)perylene	29.58	276	111631	3.622	ng	# 94

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

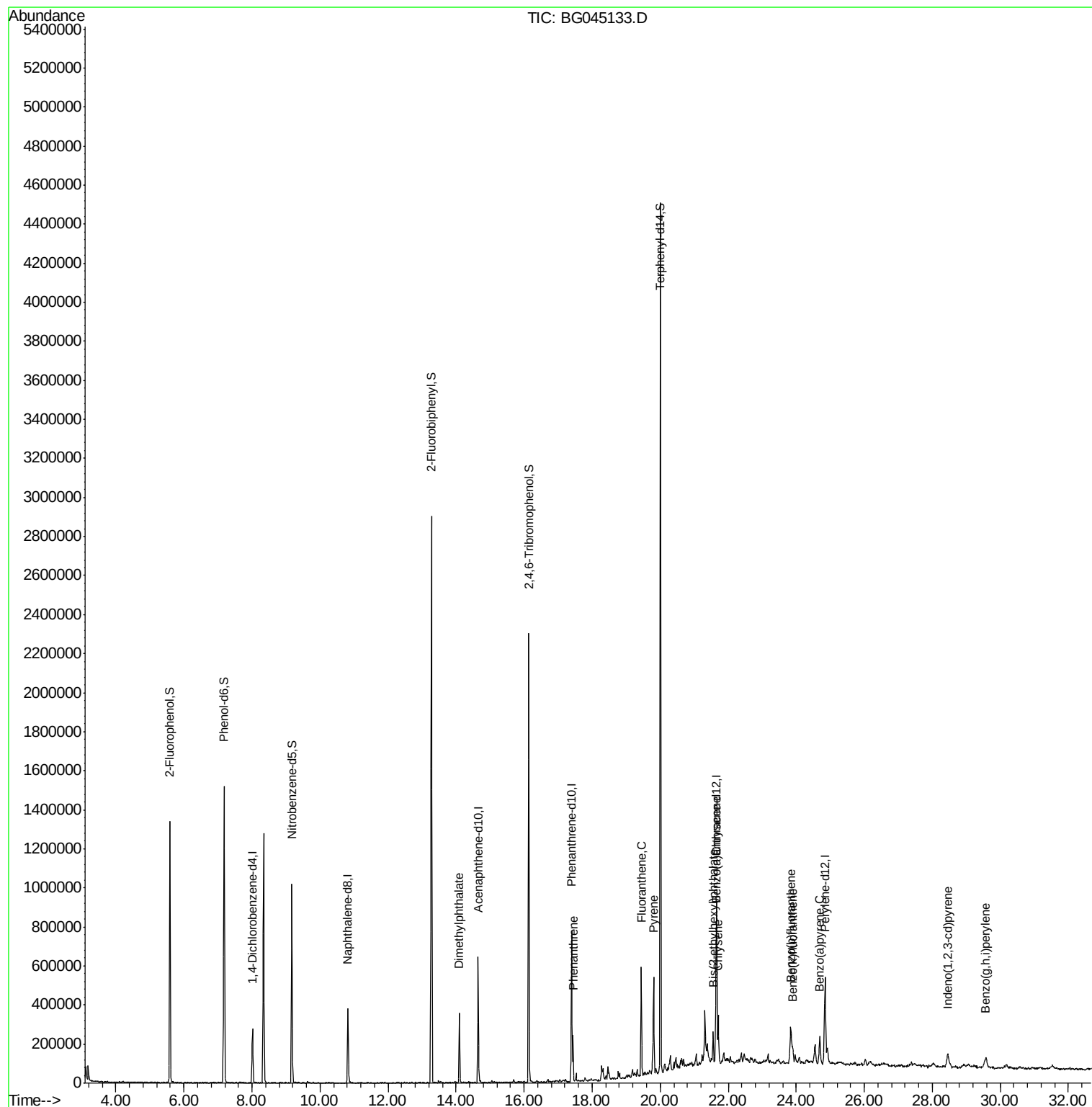
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042220\
Data File : BG045133.D
Acq On : 22 Apr 2020 19:27
Operator : CG/JU
Sample : L2327-31
Misc :
ALS Vial : 13 Sample Multiplier: 1

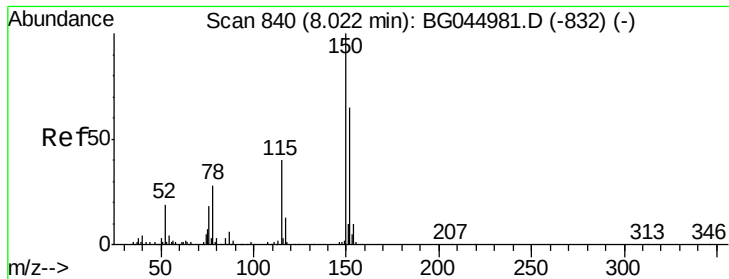
Instrument :
BNA_G
ClientSampleId :
TP-4-S

Manual Integrations
APPROVED

mohammad
4/24/2020 4:19:14 AM

Quant Time: Apr 23 02:40:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 12:56:37 2020
Response via : Initial Calibration





#1

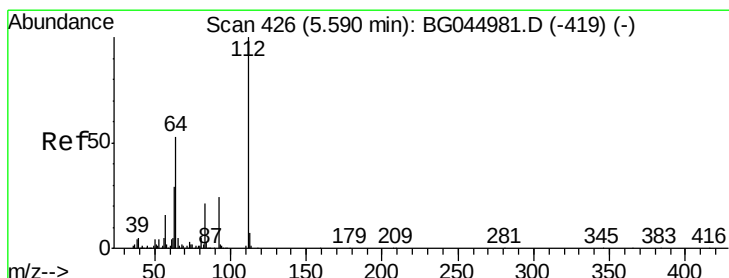
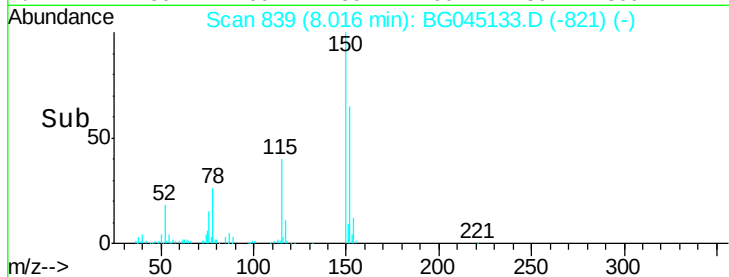
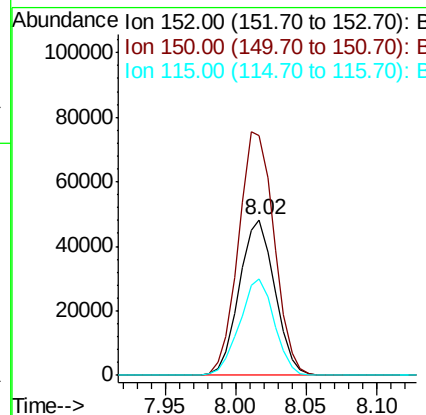
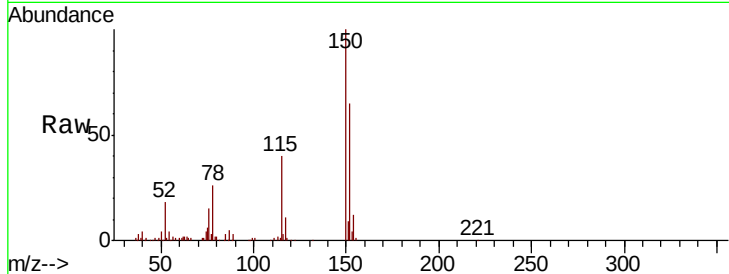
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.00 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Instrument :
BNA_G
ClientSampled :
TP-4-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.6	185.4
115	62.2	49.1	73.7

Manual Integrations
APPROVED

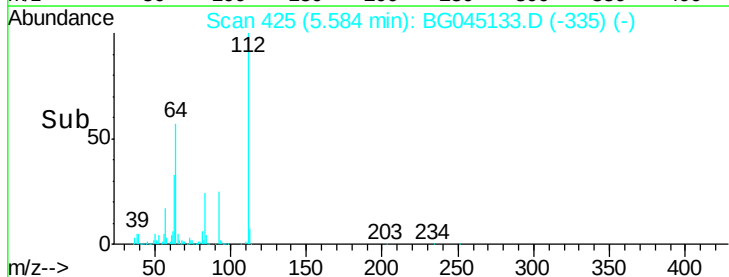
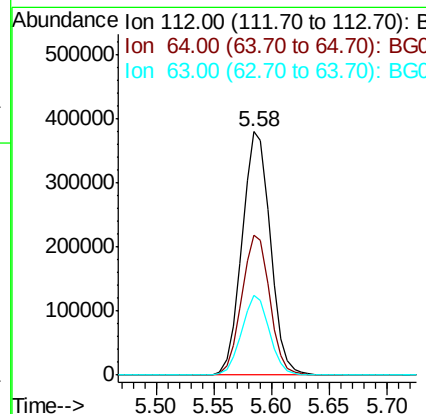
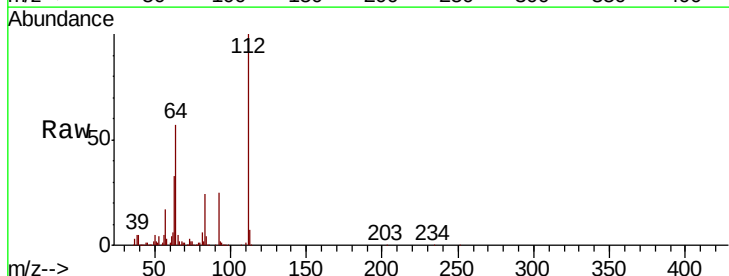
mohammad
4/24/2020 4:19:14 AM

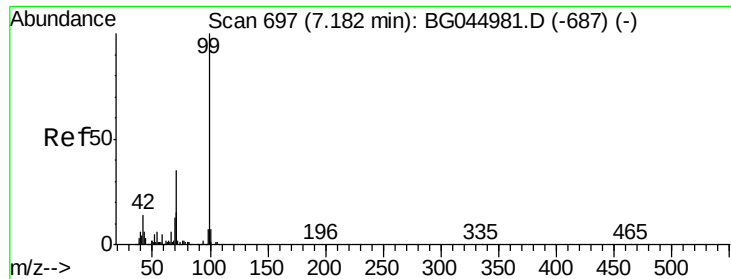


#5

2-Fluorophenol
Concen: 125.263 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.00 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	42.4	63.6
63	32.7	23.1	34.7





#7

Phenol-d6

Concen: 127.452 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Instrument :

BNA_G

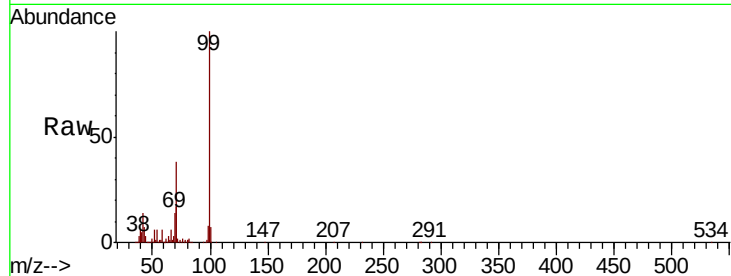
ClientSampled :

TP-4-S

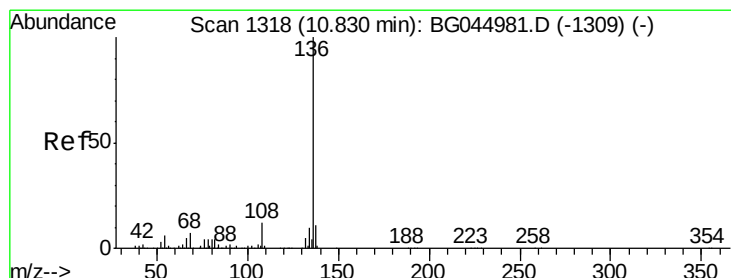
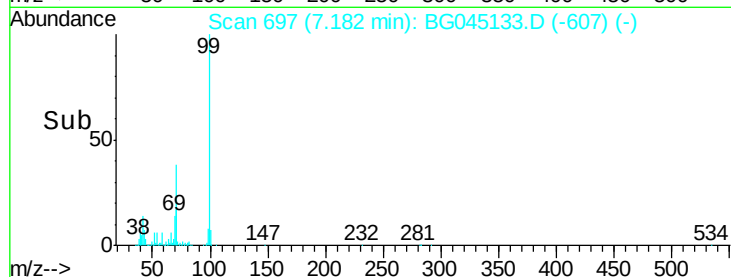
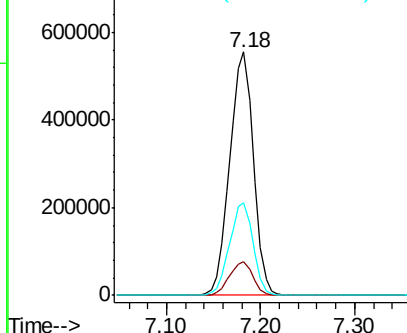
Tot Ion:	99	Resp:	973080
Ion Ratio	Lower	Upper	
99	100		
42	14.0	11.3	16.9
71	38.2	28.3	42.5

Manual Integrations
APPROVED

mohammad
4/24/2020 4:19:14 AM



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

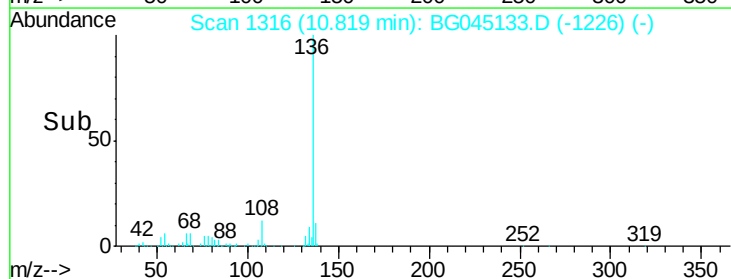
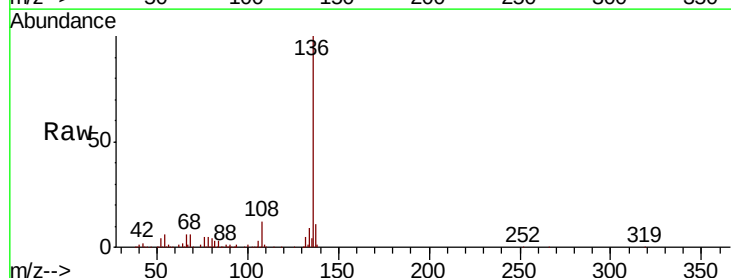
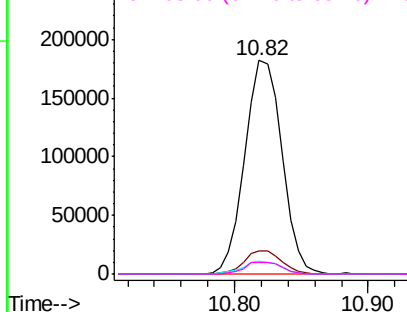
Delta R.T. -0.00 min

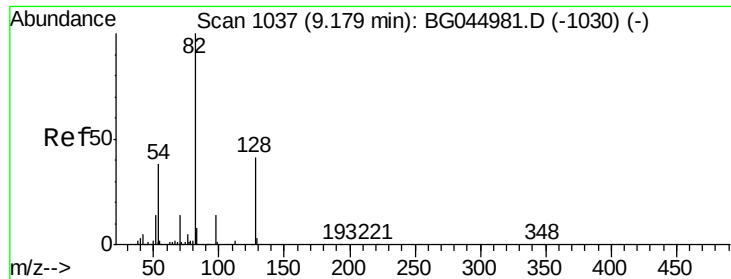
Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Tgt Ion:	136	Resp:	349467
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	6.0	4.8	7.2
68	5.5	5.2	7.8

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





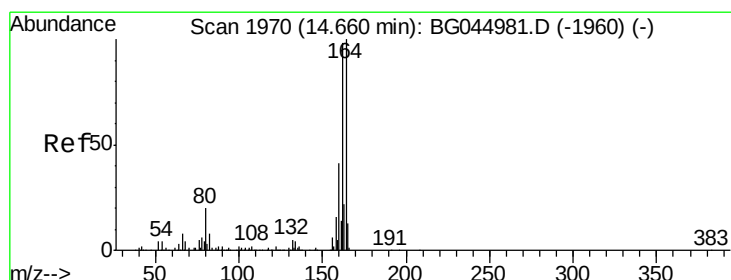
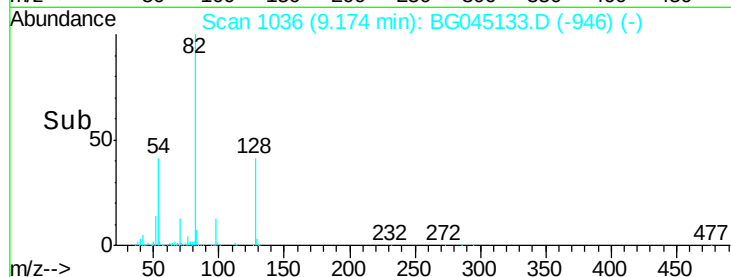
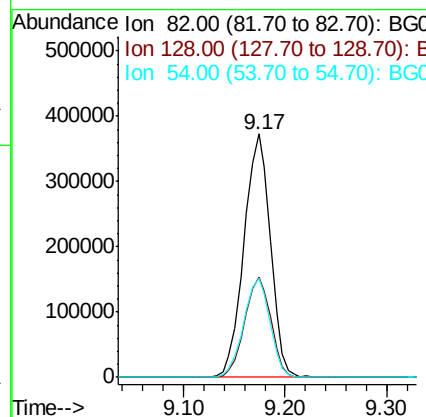
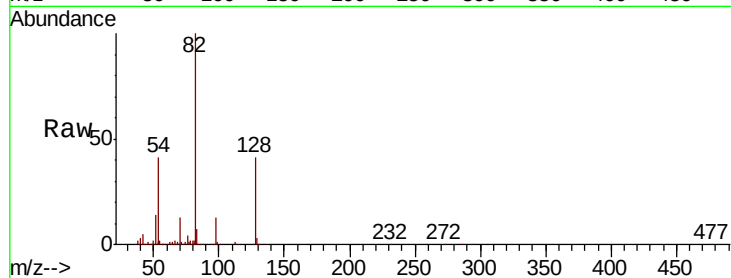
#23
Nitrobenzene-d5
Concen: 88.016 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Instrument :
BNA_G
ClientSampleId :
TP-4-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.0	49.4
54	40.8	30.4	45.6

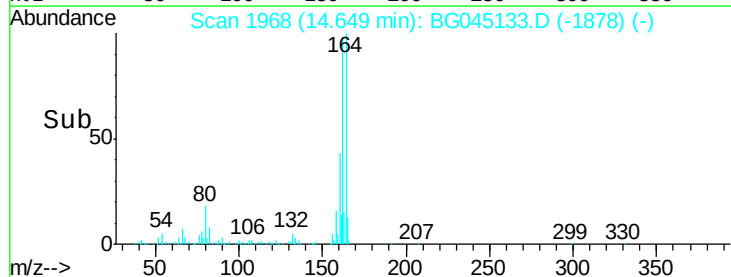
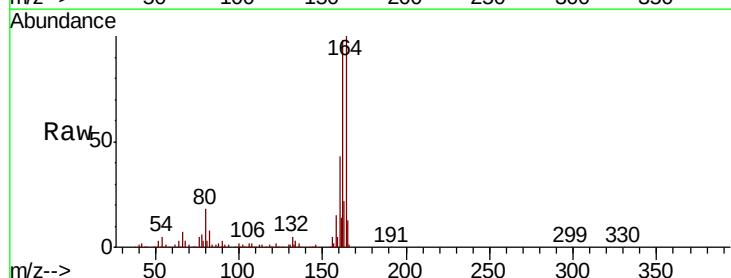
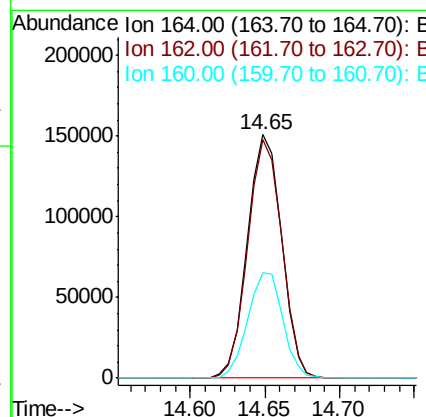
Manual Integrations
APPROVED

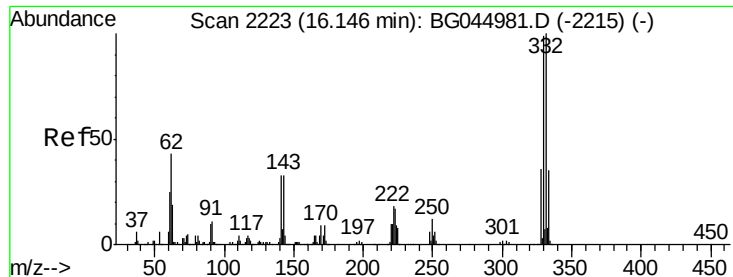
mohammad
4/24/2020 4:19:14 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	78.7	118.1
160	43.1	32.8	49.2





#42

2,4,6-Tribromophenol

Concen: 128.151 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Instrument :

BNA_G

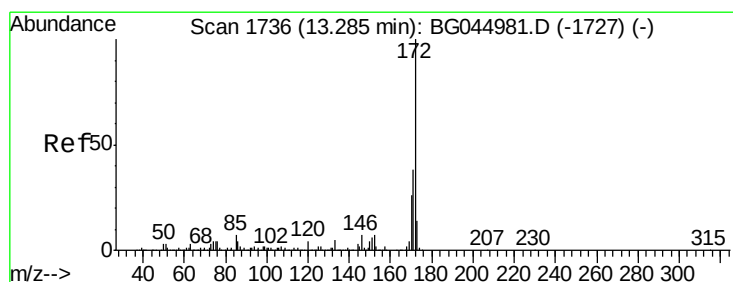
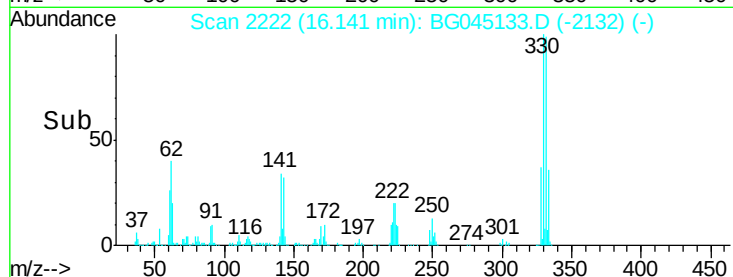
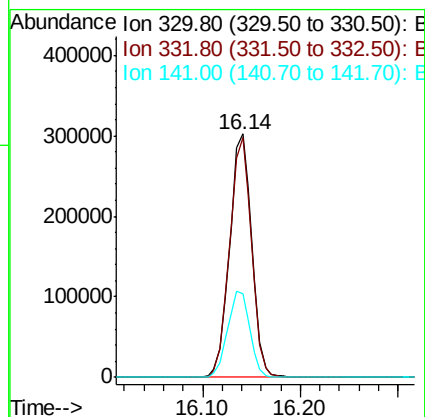
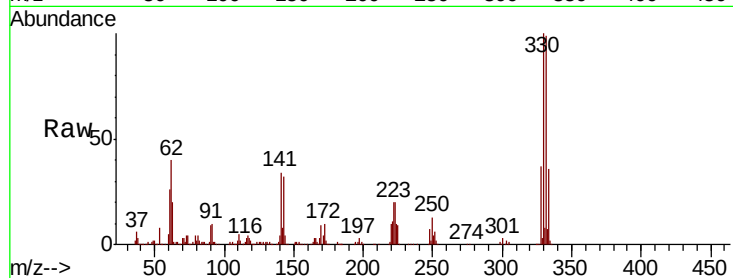
ClientSampleId :

TP-4-S

Tot Ion:	330	Resp:	472734
Ion Ratio	Lower	Upper	
330	100		
332	97.8	79.1	118.7
141	35.7	27.1	40.7

Manual Integrations
APPROVED

mohammad
4/24/2020 4:19:14 AM



#45

2-Fluorobiphenyl

Concen: 94.140 ng

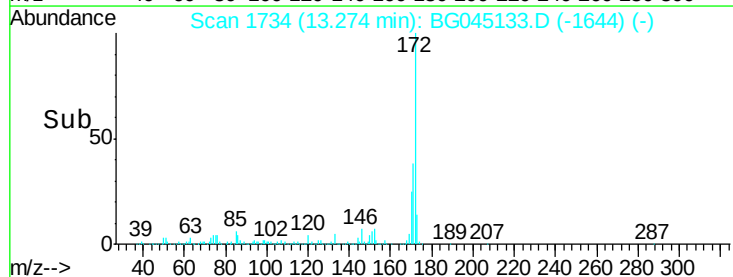
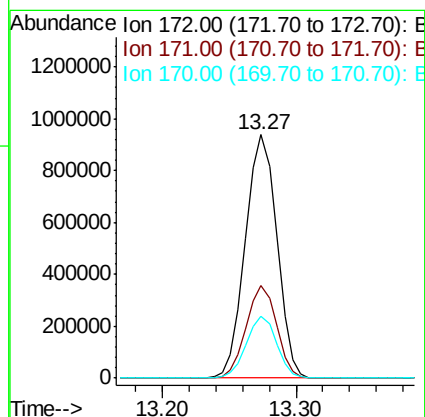
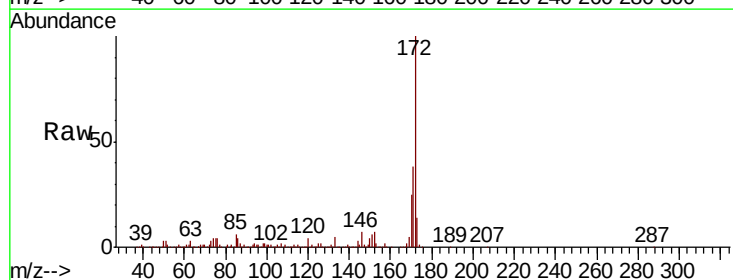
RT: 13.27 min Scan# 1734

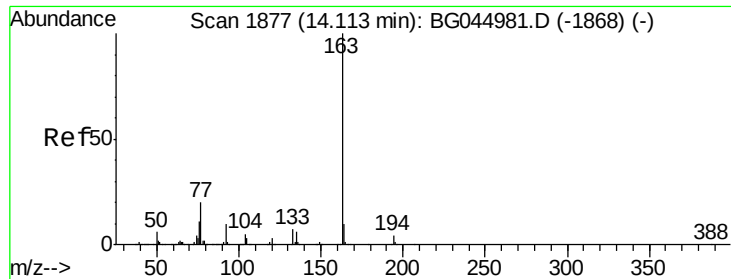
Delta R.T. -0.00 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Tgt Ion:	172	Resp:	1533020
Ion Ratio	Lower	Upper	
172	100		
171	38.2	30.6	46.0
170	25.3	20.5	30.7





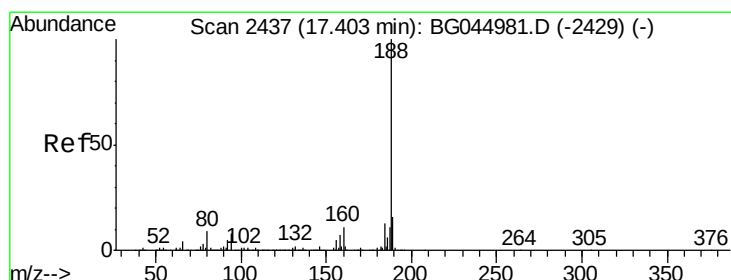
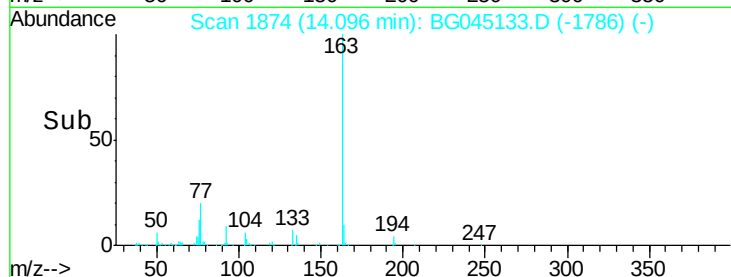
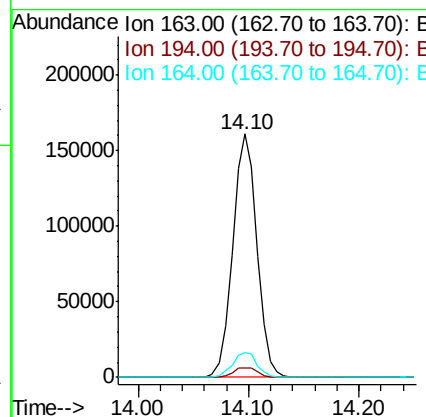
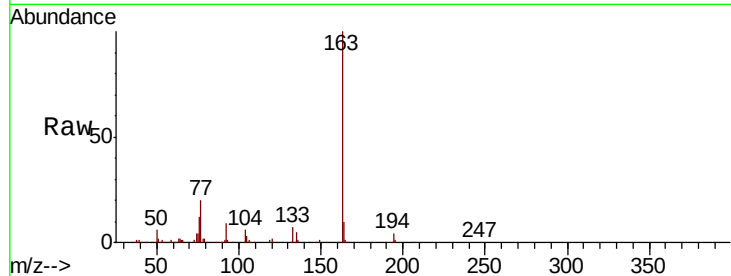
#50
Dimethylphthalate
Concen: 12.642 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Instrument :
BNA_G
ClientSampleId :
TP-4-S

Tot Ion	Ratio	Resp	Lower	Upper
163	100	245800		
194	3.7		3.5	5.3
164	10.4		8.2	12.4

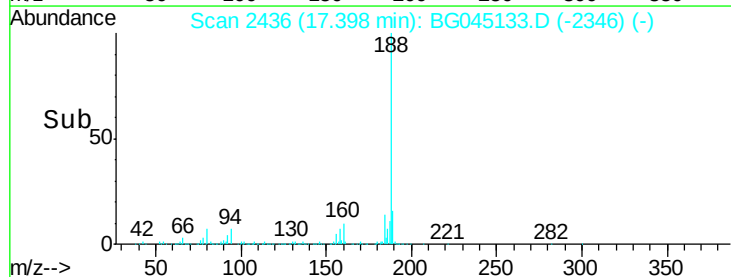
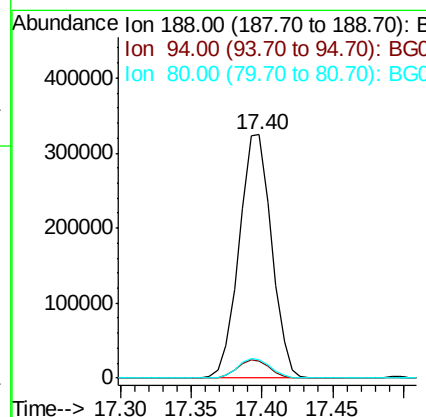
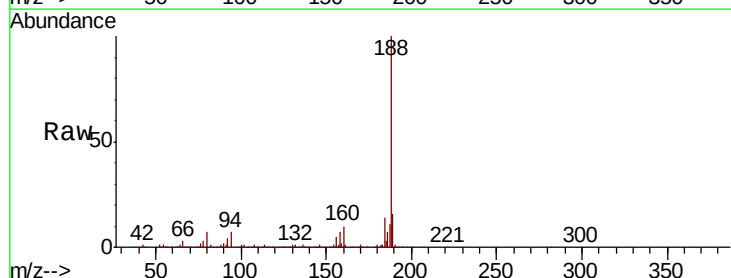
Manual Integrations
APPROVED

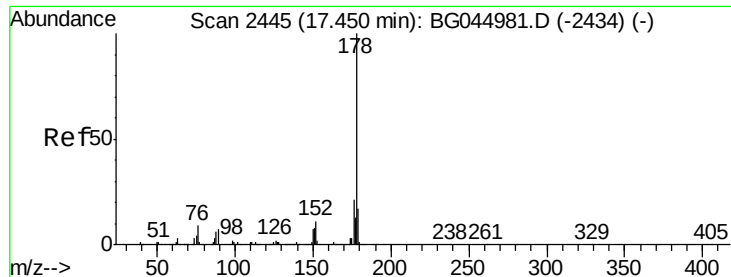
mohammad
4/24/2020 4:19:14 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	518374		
94	7.0		6.2	9.4
80	7.5		7.0	10.6





#71

Phenanthrene

Concen: 5.633 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Instrument :

BNA_G

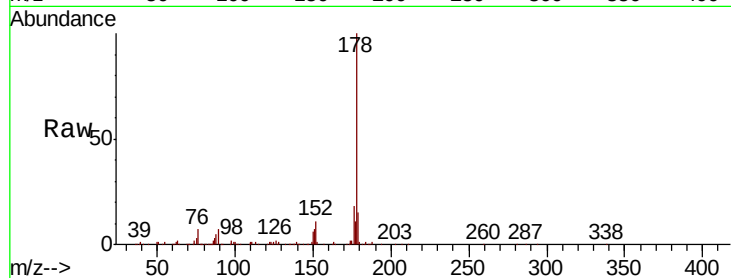
ClientSampleId :

TP-4-S

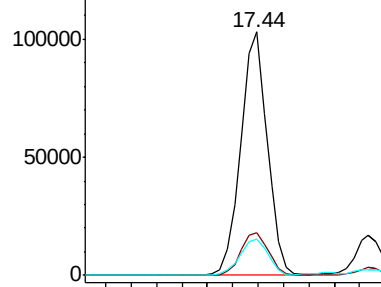
Tot Ion:	178	Resp:	150039
Ion Ratio	Lower	Upper	
178	100		
176	17.7	16.8	25.2
179	15.1	13.2	19.8

Manual Integrations
APPROVED

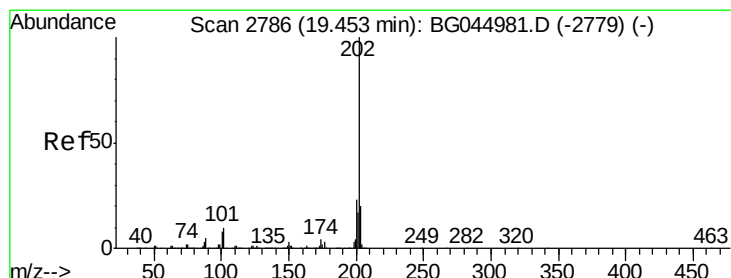
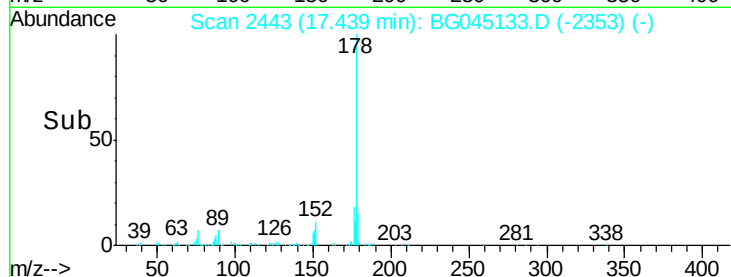
mohammad
4/24/2020 4:19:14 AM



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



Time-->



#75

Fluoranthene

Concen: 6.154 ng

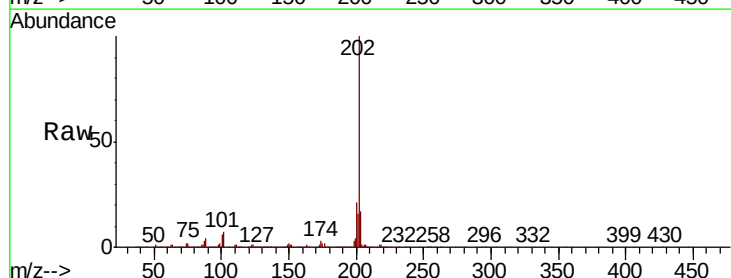
RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

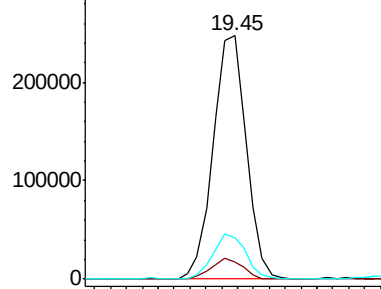
Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

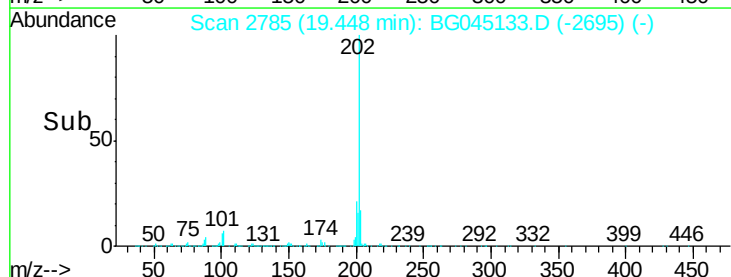
Tgt Ion:	202	Resp:	359445
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	29.6
203	17.0	0.0	39.7

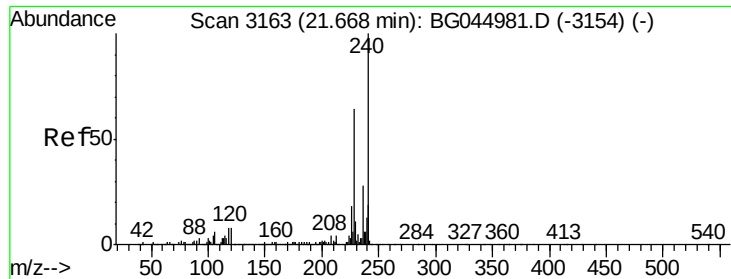


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





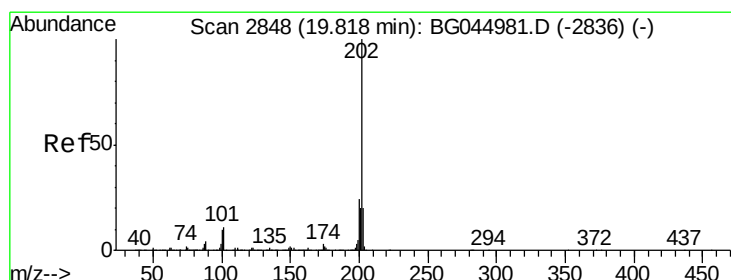
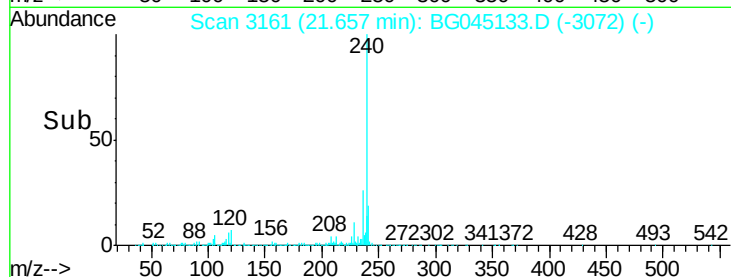
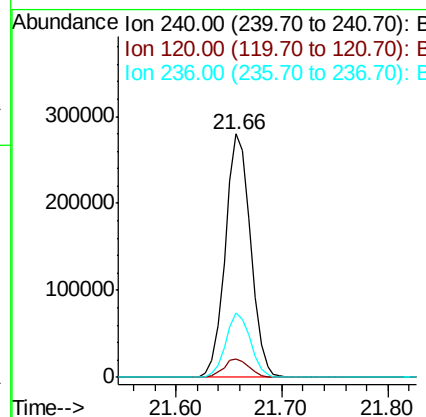
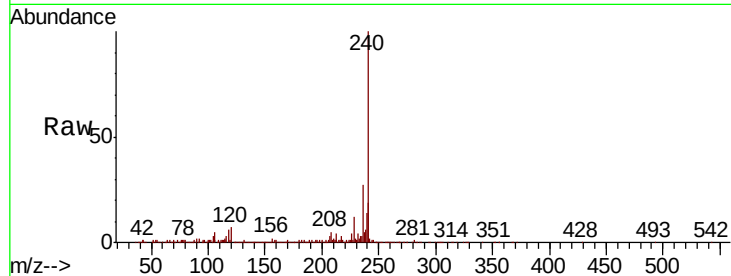
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Instrument :
BNA_G
ClientSampleId :
TP-4-S

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.6	10.0
236	26.5	22.2	33.2

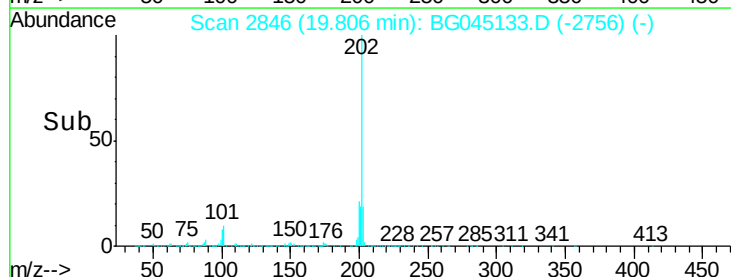
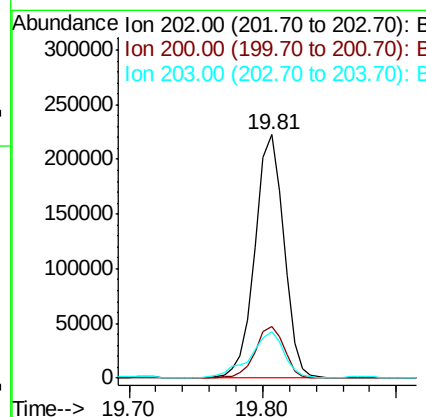
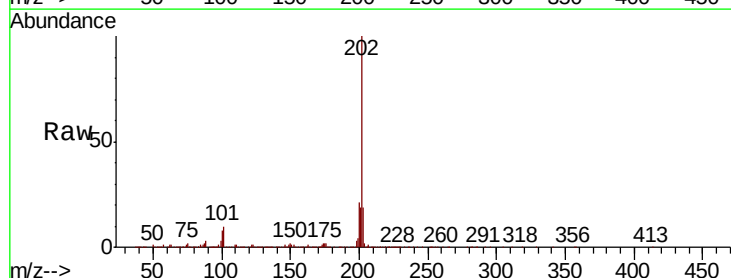
Manual Integrations
APPROVED

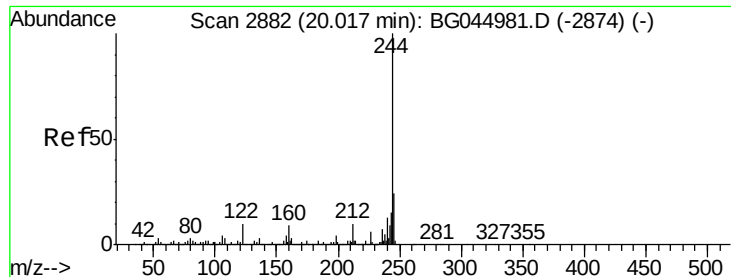
mohammad
4/24/2020 4:19:14 AM



#78
Pyrene
Concen: 10.363 ng
RT: 19.81 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	19.0	28.6
203	19.3	16.1	24.1





#79

Terphenyl-d14

Concen: 98.568 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Instrument :

BNA_G

ClientSampleId :

TP-4-S

Tot Ion:244 Resp: 2095437

Ion Ratio Lower Upper

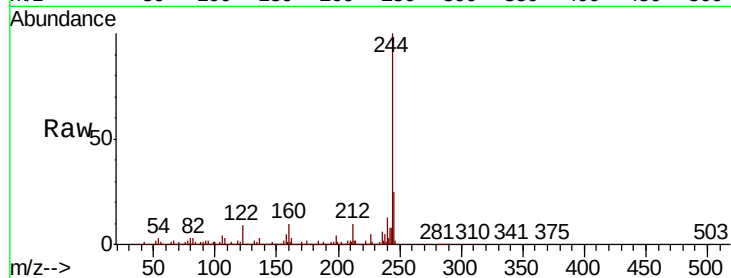
244 100

212 10.4 7.9 11.9

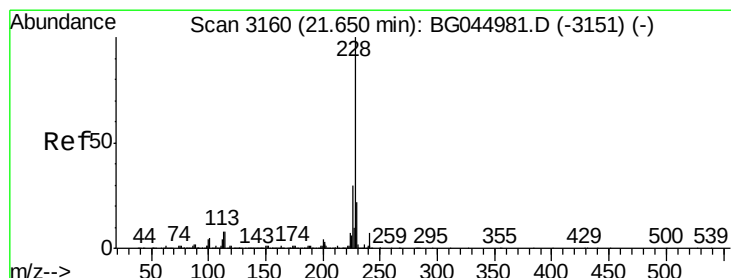
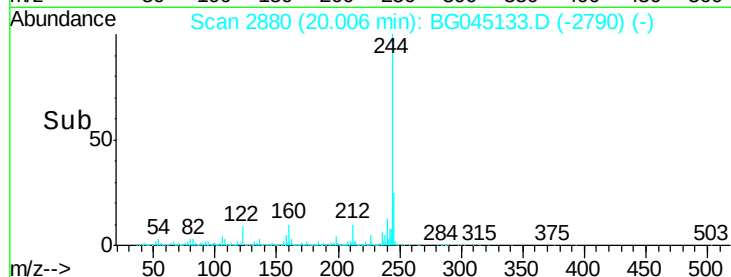
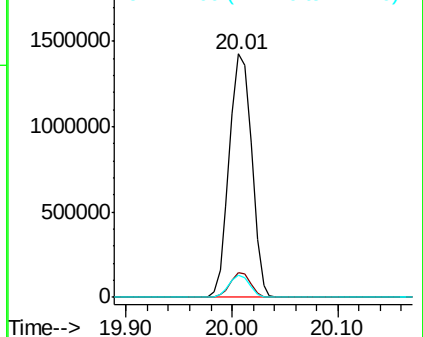
122 9.3 7.7 11.5

Manual Integrations
APPROVED

mohammad
4/24/2020 4:19:14 AM



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: 6.408 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

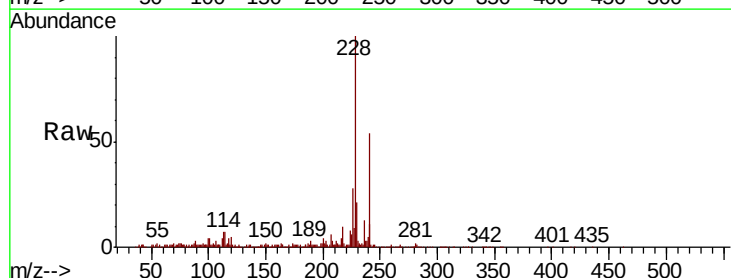
Tgt Ion:228 Resp: 192454

Ion Ratio Lower Upper

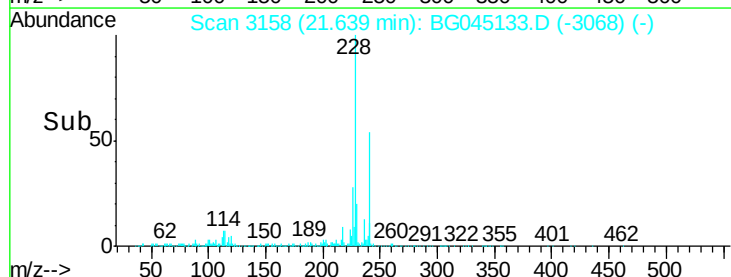
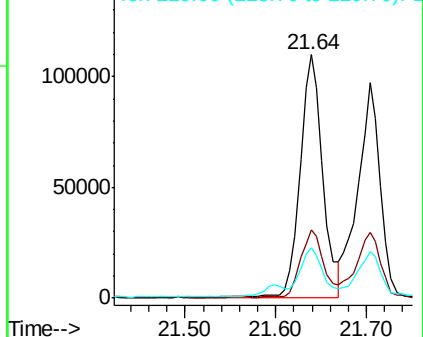
228 100

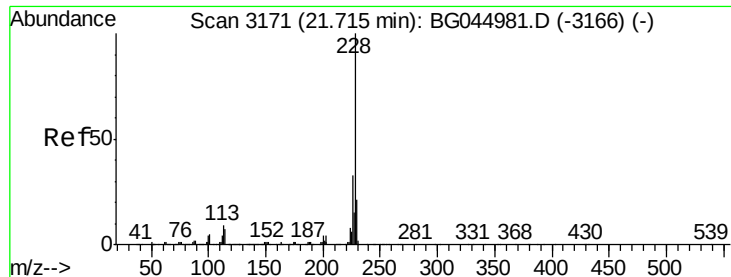
226 28.2 24.0 36.0

229 20.6 17.5 26.3



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





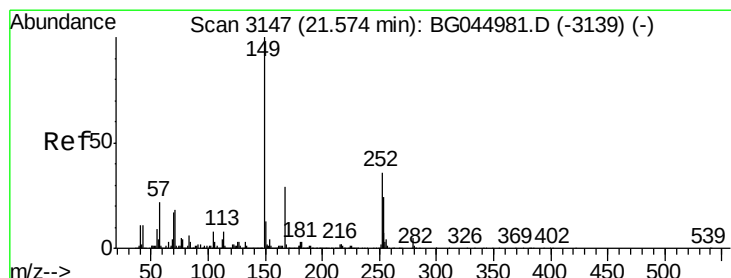
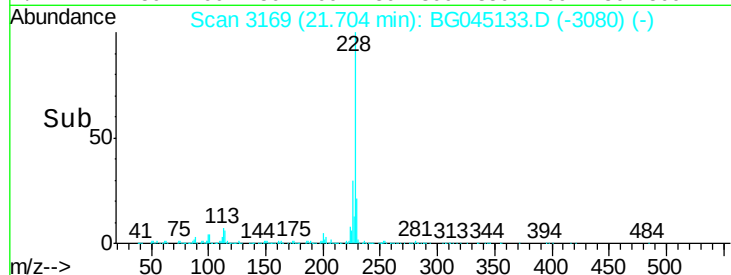
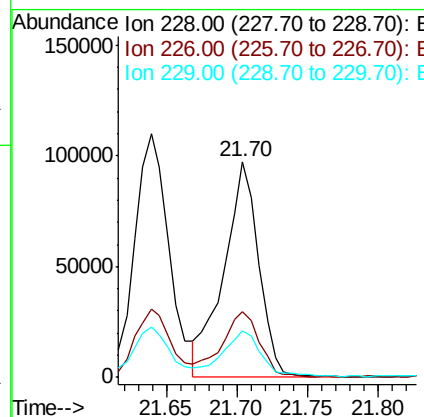
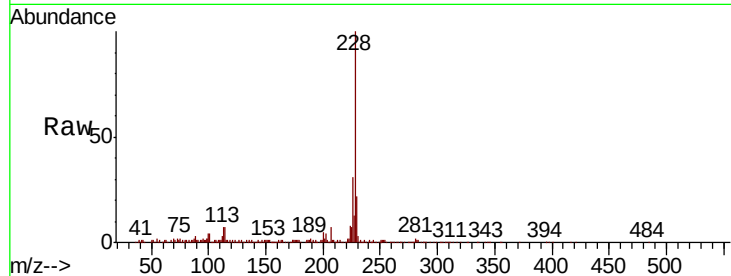
#83
 Chrysene
 Concen: 5.774 ng
 RT: 21.70 min Scan# 3169
 Delta R.T. -0.01 min
 Lab File: BG045133.D
 Acq: 22 Apr 2020 19:27

Instrument :
 BNA_G
 ClientSampled :
 TP-4-S

Tot Ion:	228	Resp:	166595
Ion Ratio	Lower	Upper	
228	100		
226	30.7	26.2	39.4
229	21.7	17.0	25.6

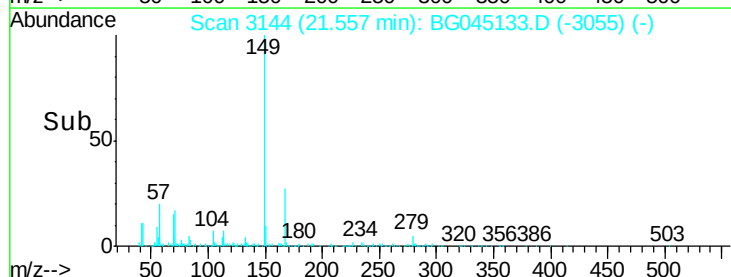
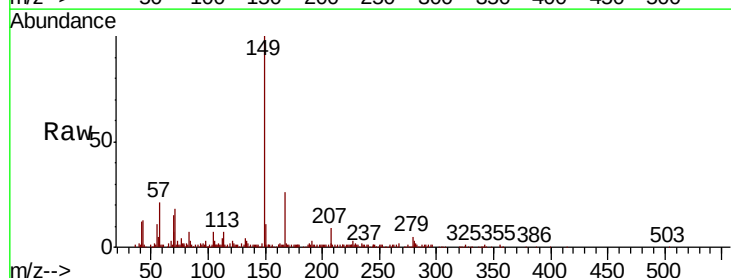
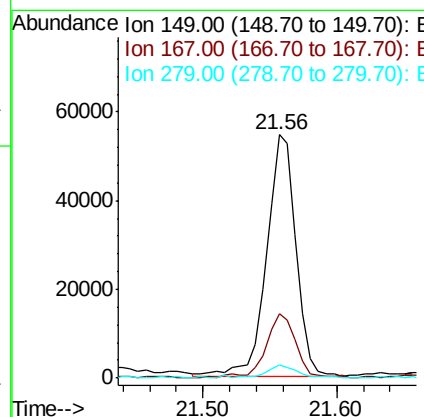
Manual Integrations
 APPROVED

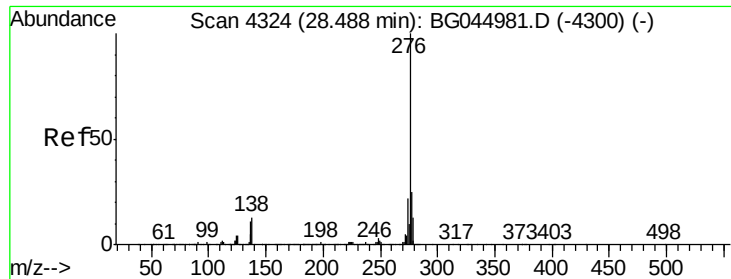
mohammad
 4/24/2020 4:19:14 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.552 ng
 RT: 21.56 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG045133.D
 Acq: 22 Apr 2020 19:27

Tgt Ion:	149	Resp:	82904
Ion Ratio	Lower	Upper	
149	100		
167	26.4	23.4	35.0
279	5.4	4.3	6.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.973 ng

RT: 28.45 min Scan# 4318

Delta R.T. -0.02 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Instrument :

BNA_G

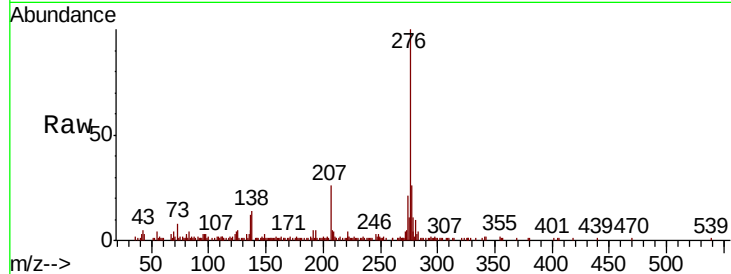
ClientSampleId :

TP-4-S

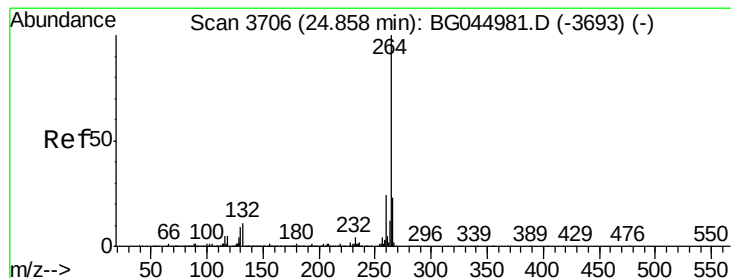
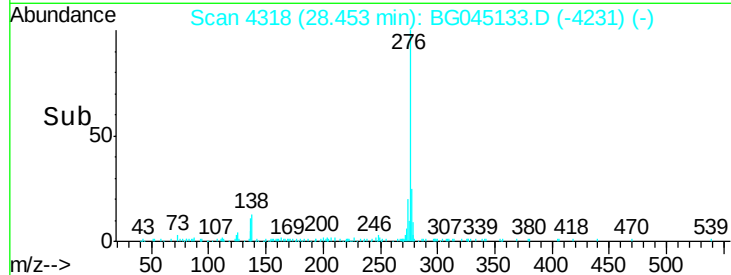
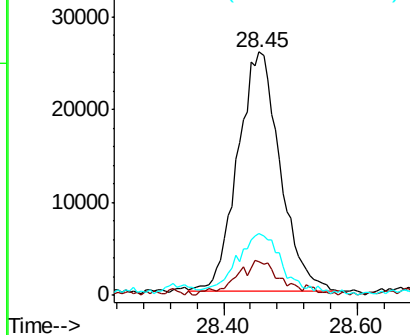
Tot Ion:	276	Resp:	113891
Ion Ratio	Lower	Upper	
276	100		
138	7.5	9.6	14.4#
277	22.5	20.6	31.0

Manual Integrations
APPROVED

mohammad
4/24/2020 4:19:14 AM



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

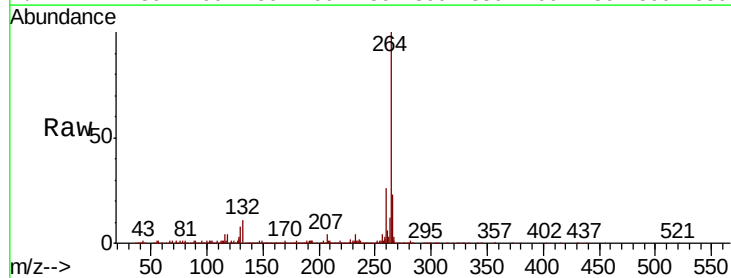
RT: 24.85 min Scan# 3704

Delta R.T. -0.00 min

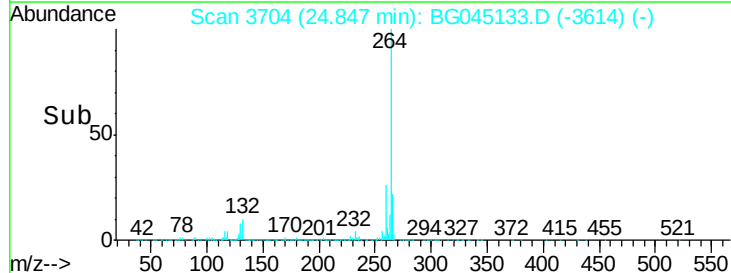
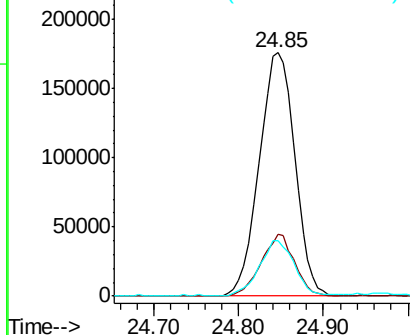
Lab File: BG045133.D

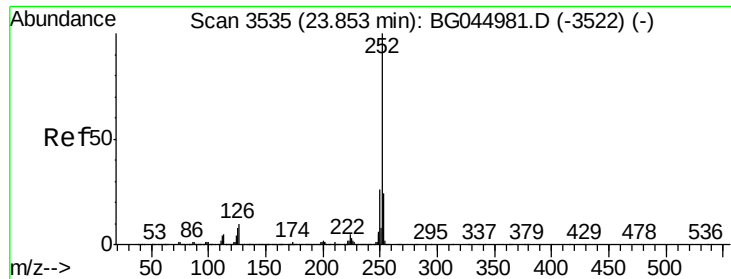
Acq: 22 Apr 2020 19:27

Tgt Ion:	264	Resp:	515876
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.2	28.8
265	22.7	19.0	28.4



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





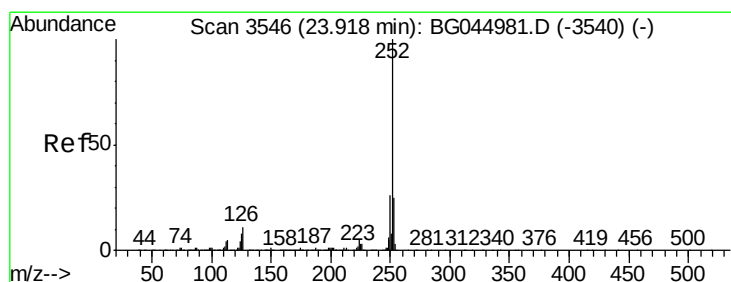
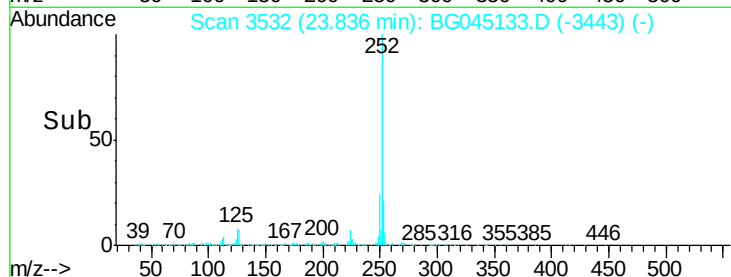
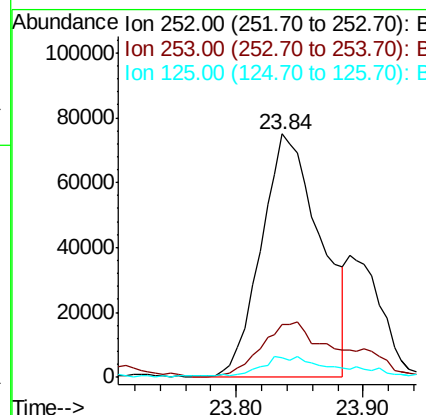
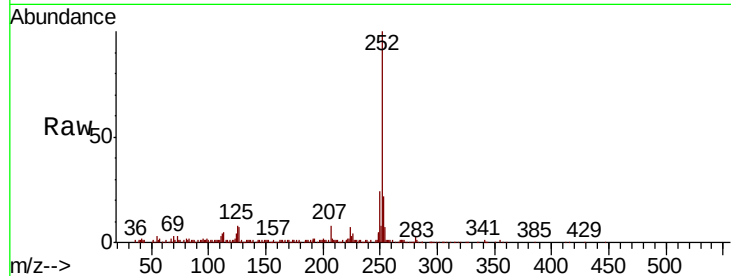
#88
Benzo(b)fluoranthene
Concen: 7.483 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.01 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Instrument :
BNA_G
ClientSampled :
TP-4-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.8	28.2
125	8.0	6.2	9.4

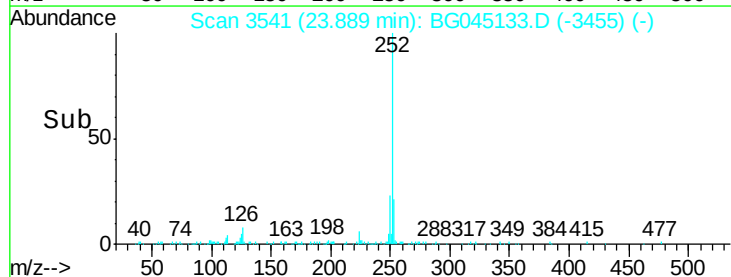
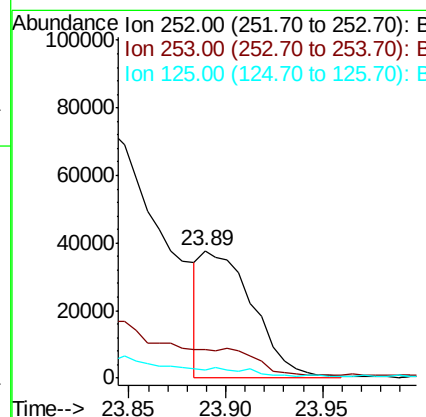
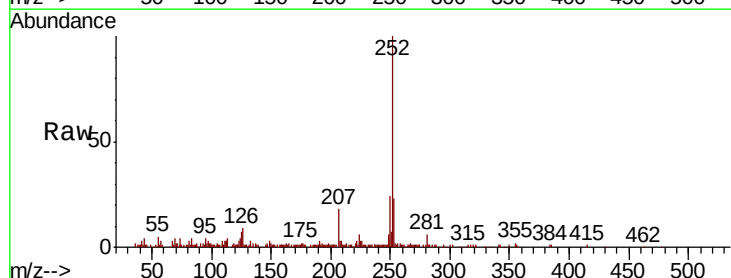
Manual Integrations
APPROVED

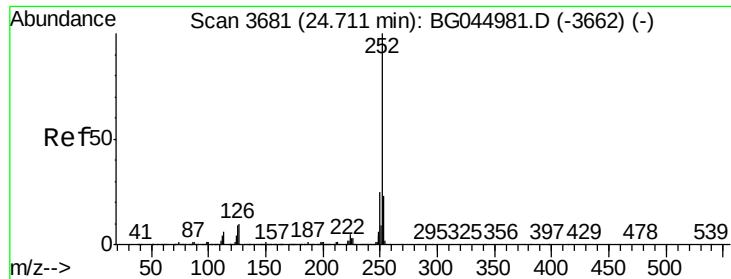
mohammad
4/24/2020 4:19:14 AM



#89
Benzo(k)fluoranthene
Concen: 2.311 ng m
RT: 23.89 min Scan# 3541
Delta R.T. -0.03 min
Lab File: BG045133.D
Acq: 22 Apr 2020 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.2	28.8
125	6.5	5.9	8.9





#90

Benzo(a)pyrene

Concen: 5.644 ng

RT: 24.69 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Instrument :

BNA_G

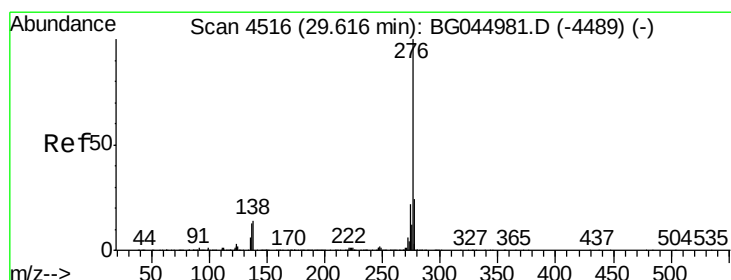
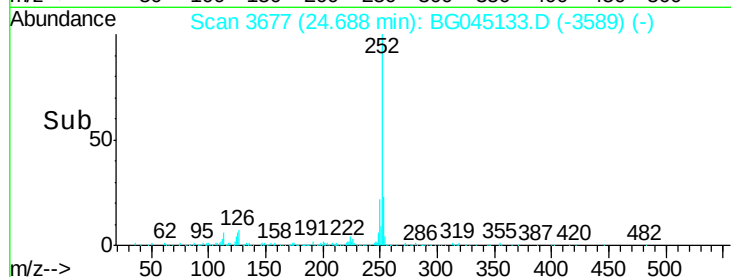
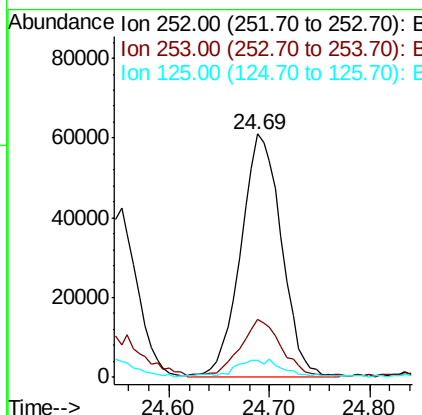
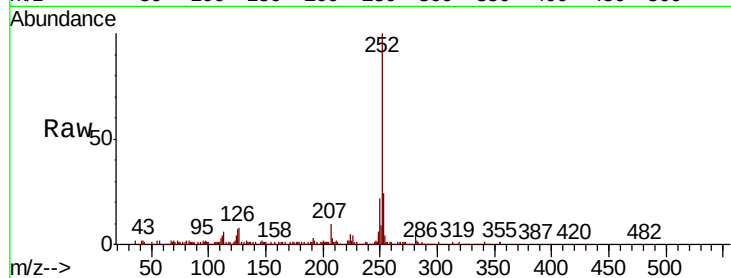
ClientSampleId :

TP-4-S

Tot Ion:	252	Resp:	172201
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.3	27.5
125	6.9	7.0	10.6#

Manual Integrations
APPROVED

mohammad
4/24/2020 4:19:14 AM



#92

Benzo(g,h,i)perylene

Concen: 3.622 ng

RT: 29.58 min Scan# 4509

Delta R.T. -0.03 min

Lab File: BG045133.D

Acq: 22 Apr 2020 19:27

Tgt Ion:	276	Resp:	111631
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.3	28.9
138	10.3	11.4	17.2#

