

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
 Data File : BG044430.D
 Acq On : 13 Feb 2020 23:15
 Operator : CG/JU
 Sample : L1493-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SECTION-C

Manual Integrations
 APPROVED

mohammad
 2/17/2020 3:45:37 PM

Quant Time: Feb 14 10:20:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	96283	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	407472	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	250139	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	484379	20.00	ng	0.00
76) Chrysene-d12	21.53	240	443519	20.00	ng	0.00
87) Perylene-d12	24.64	264	470019	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	372439	68.27	ng	0.00
7) Phenol-d6	7.08	99	501424	68.44	ng	0.00
23) Nitrobenzene-d5	9.06	82	303665	42.07	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	177189	60.34	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	704326	47.15	ng	0.00
79) Terphenyl-d14	19.90	244	907136	42.07	ng	0.00
Target Compounds						
71) Phenanthrene	17.33	178	106809	4.554	ng	96
75) Fluoranthene	19.34	202	247771	9.132	ng	96
78) Pyrene	19.70	202	215974	7.583	ng	94
81) Benzo(a)anthracene	21.52	228	125401	4.588	ng	96
83) Chrysene	21.58	228	123701	4.682	ng	97
84) Bis(2-ethylhexyl)phthalate	21.44	149	162267	9.083	ng	96
88) Benzo(b)fluoranthene	23.66	252	158715	5.860	ng	# 89
89) Benzo(k)fluoranthene	23.71	252	58386m	2.212	ng	
90) Benzo(a)pyrene	24.48	252	108477	4.236	ng	# 88
92) Benzo(g,h,i)perylene	29.22	276	52834	2.083	ng	# 91

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

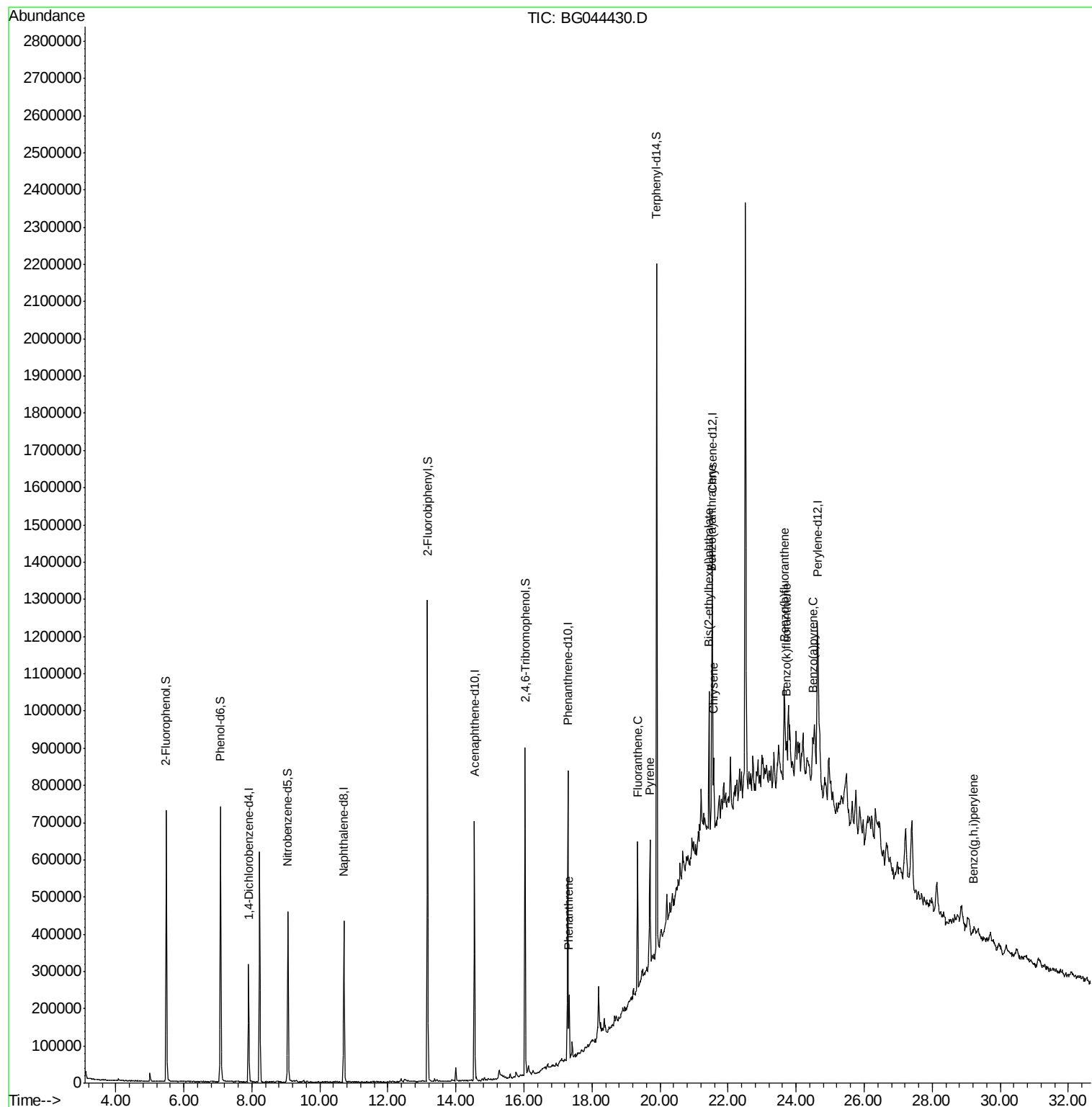
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044430.D
Acq On : 13 Feb 2020 23:15
Operator : CG/JU
Sample : L1493-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

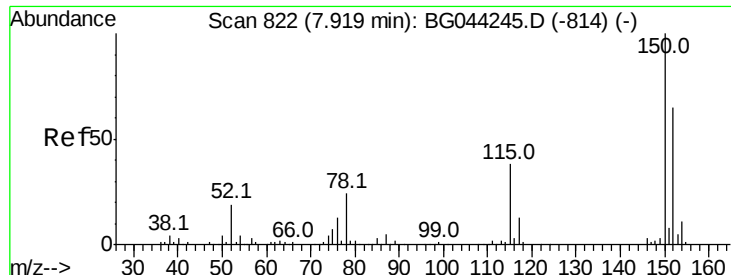
Instrument :
BNA_G
ClientSampleID :
SECTION-C

Manual Integrations
APPROVED

mohammad
2/17/2020 3:45:37 PM

Quant Time: Feb 14 10:20:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration





#1

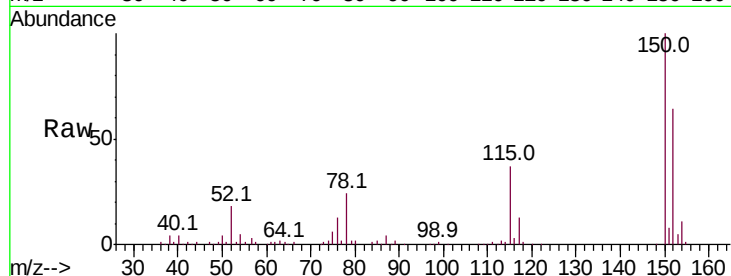
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.6	183.8
115	57.7	46.0	69.0

Manual Integrations
APPROVED

mohammad
2/17/2020 3:45:37 PM

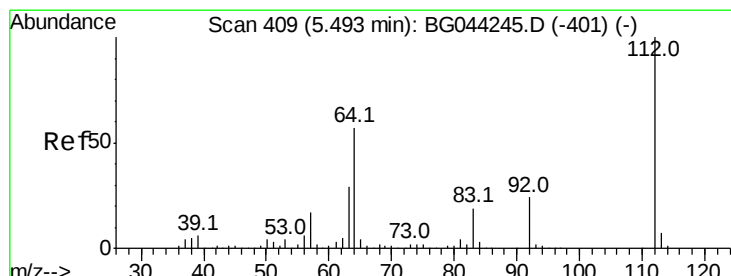
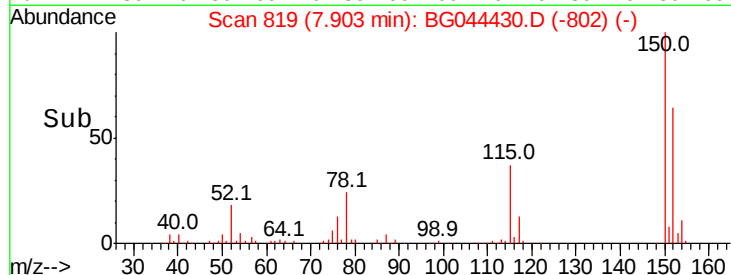
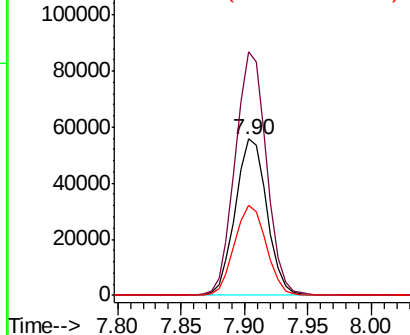


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

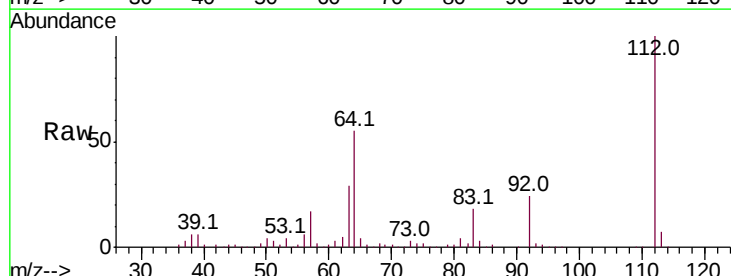
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.267 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.4	68.2
63	28.8	22.9	34.3

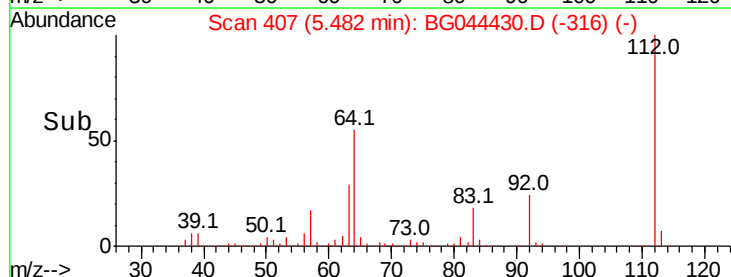
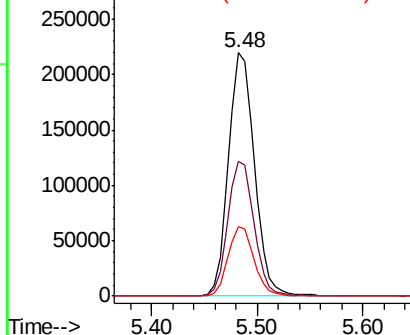


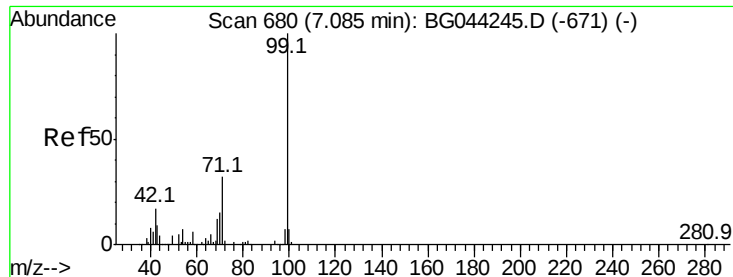
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 68.444 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Instrument :

BNA_G

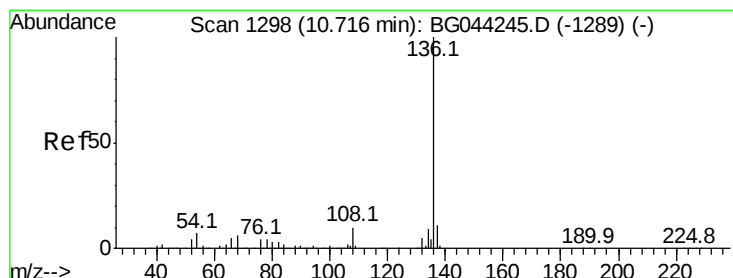
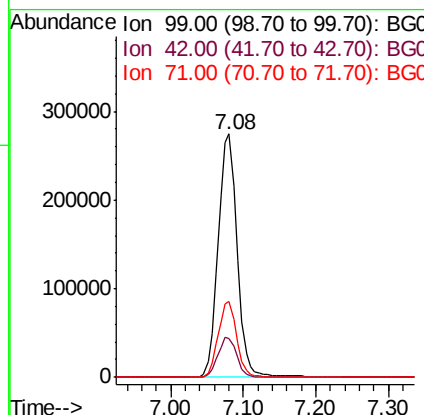
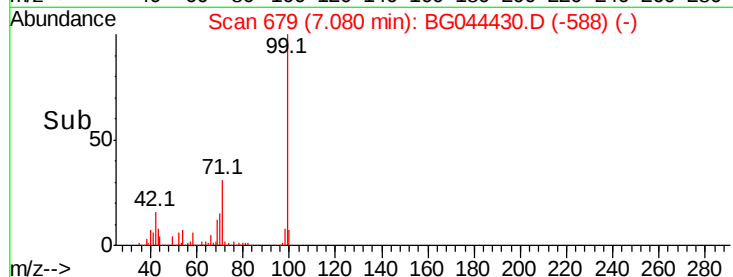
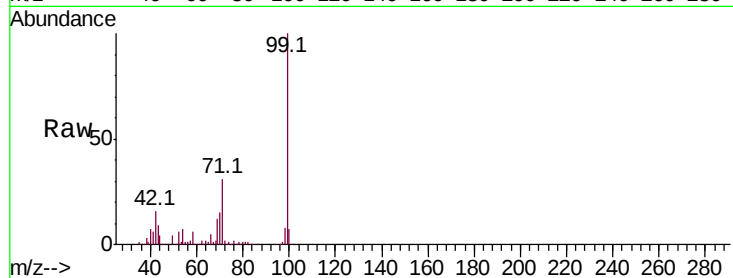
ClientSampleId :

SECTION-C

Tot Ion:	99	Resp:	501424
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.8	20.6
71	31.0	25.5	38.3

Manual Integrations
APPROVED

mohammad
2/17/2020 3:45:37 PM



#21

Naphthalene-d8

Concen: 20.000 ng

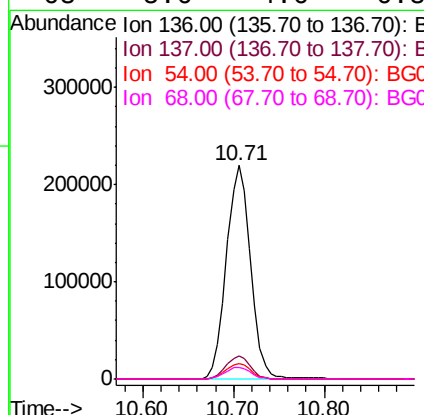
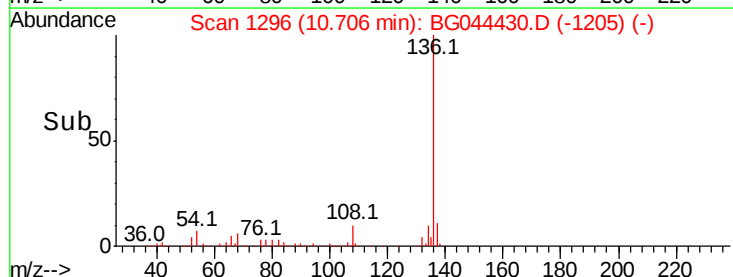
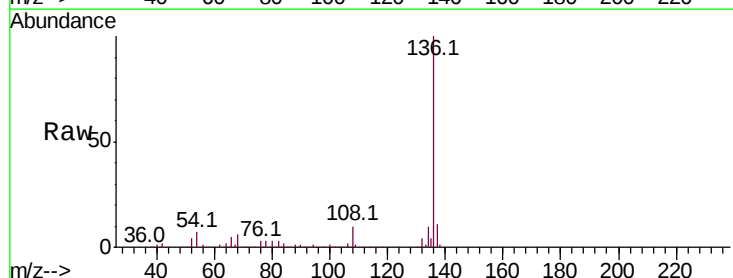
RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Tgt Ion:	136	Resp:	407472
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.1	5.8	8.8
68	5.6	4.6	6.8





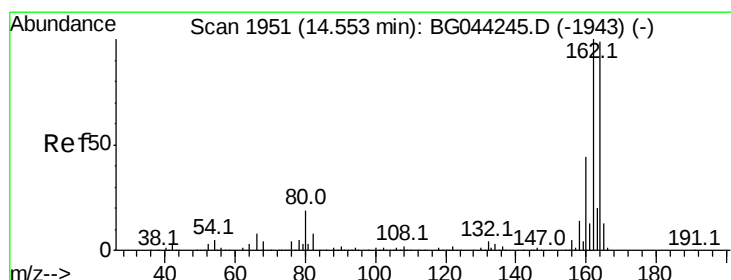
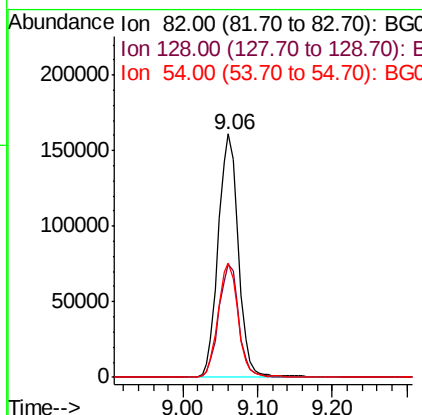
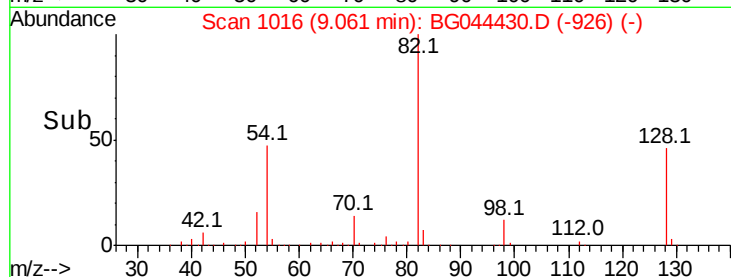
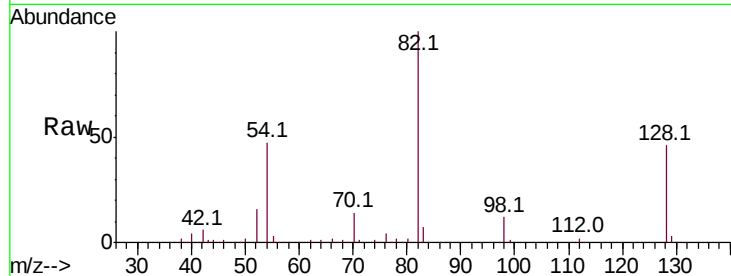
#23
Nitrobenzene-d5
Concen: 42.074 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampled :
SECTION-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.5	54.7
54	46.8	38.6	58.0

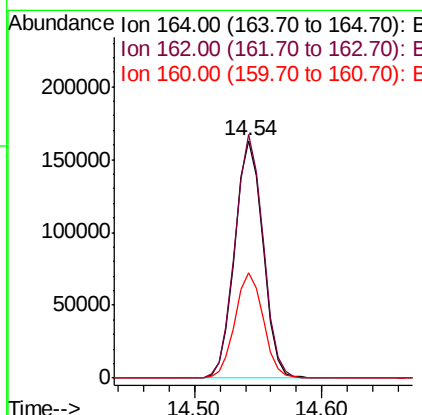
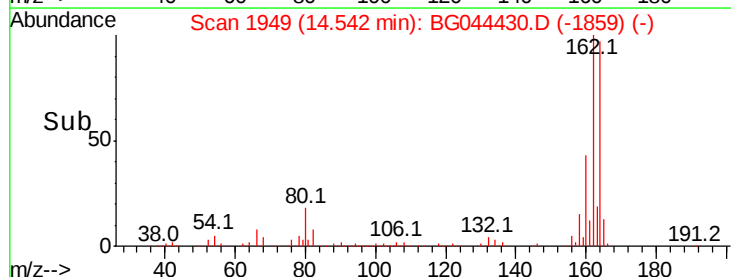
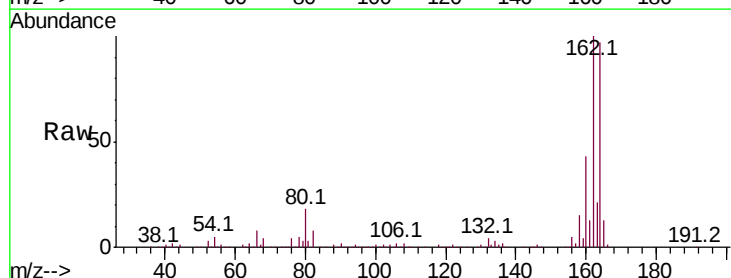
Manual Integrations
APPROVED

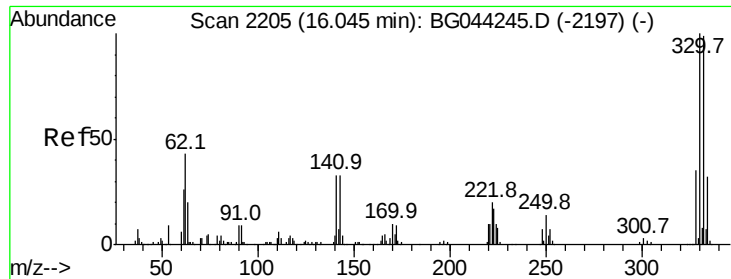
mohammad
2/17/2020 3:45:37 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.7	121.1
160	44.6	35.3	52.9





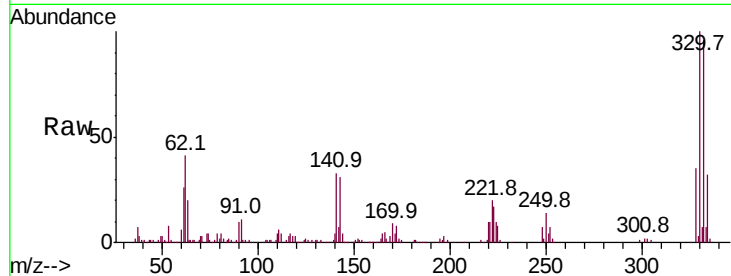
#42
 2,4,6-Tribromophenol
 Concen: 60.340 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

Instrument :
 BNA_G
 ClientSampled :
 SECTION-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	177189		
332	96.0	77.2	115.8	
141	36.3	28.3	42.5	

Manual Integrations
 APPROVED

mohammad
 2/17/2020 3:45:37 PM

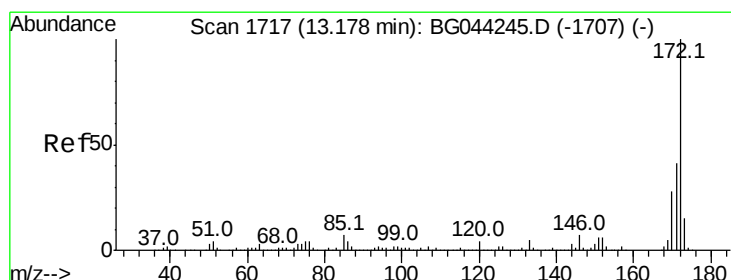
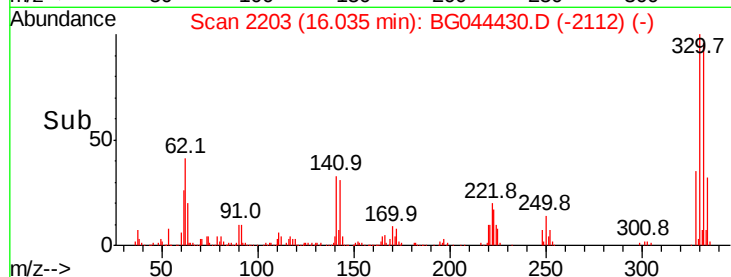
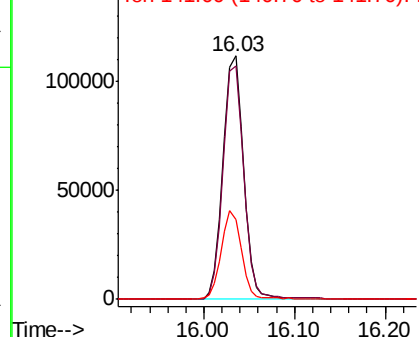


Abundance

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: 47.151 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

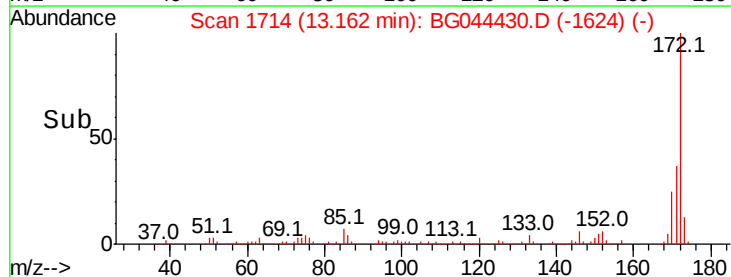
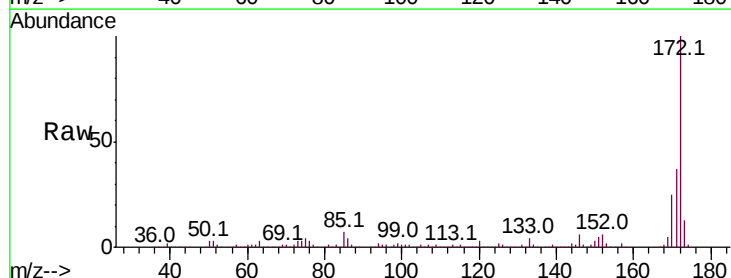
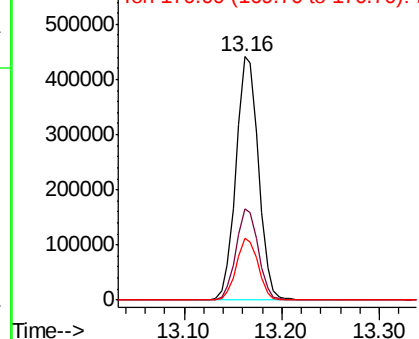
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	704326		
171	37.4	32.9	49.3	
170	25.2	22.0	33.0	

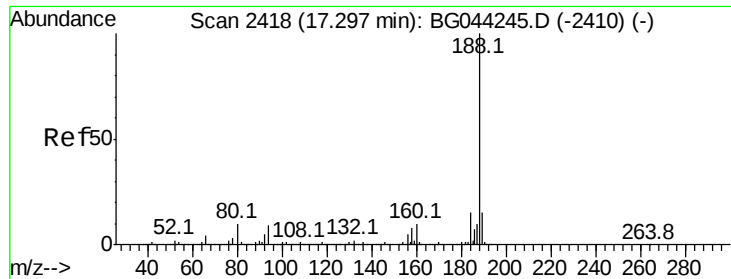
Abundance

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





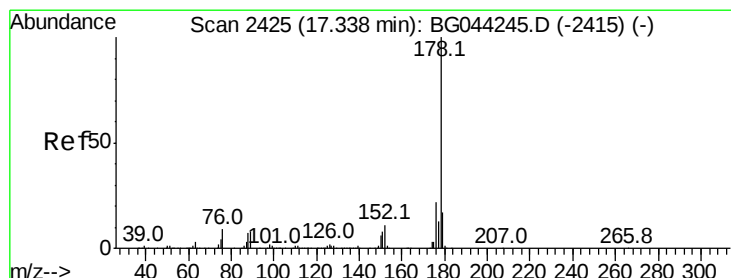
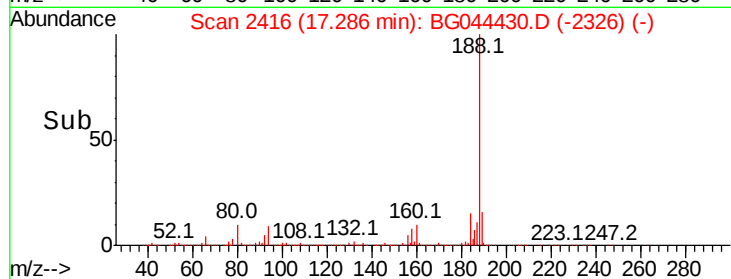
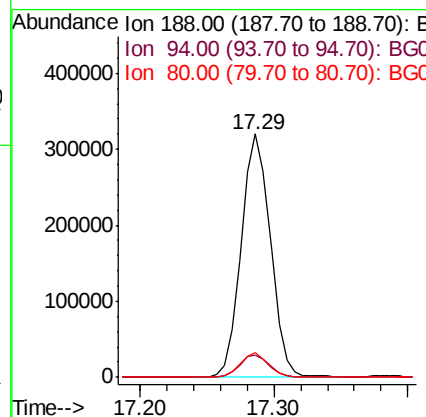
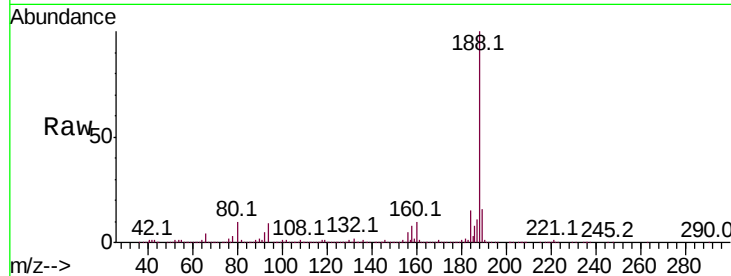
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.29 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	484379		
94	9.0		7.4	11.2
80	10.1		7.7	11.5

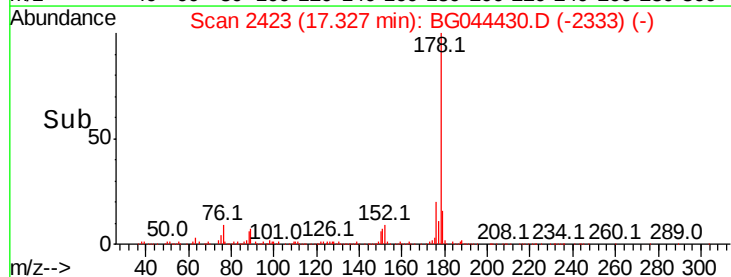
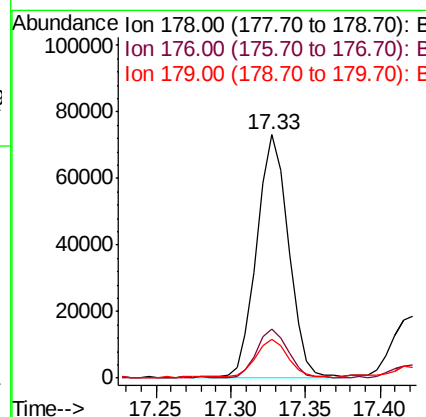
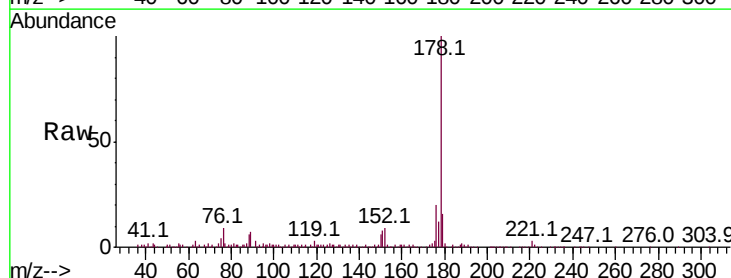
Manual Integrations
APPROVED

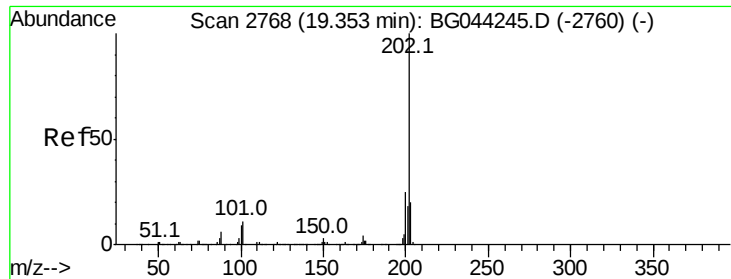
mohammad
2/17/2020 3:45:37 PM



#71
Phenanthrene
Concen: 4.554 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	106809		
176	20.0		17.7	26.5
179	16.0		13.7	20.5





#75

Fluoranthene

Concen: 9.132 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Instrument :

BNA_G

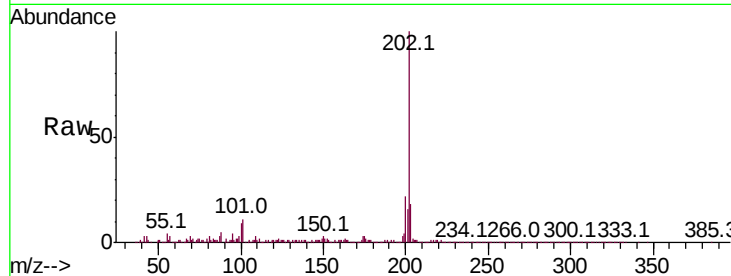
ClientSampleId :

SECTION-C

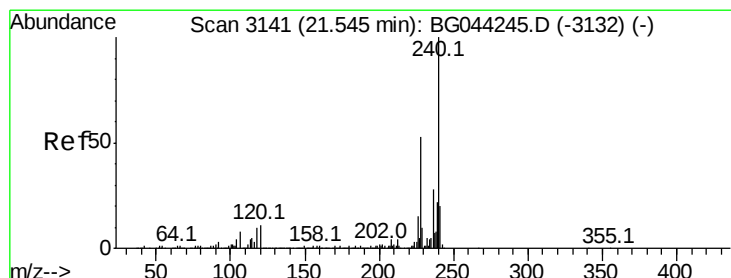
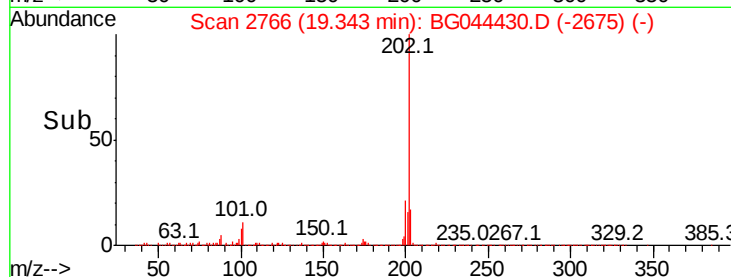
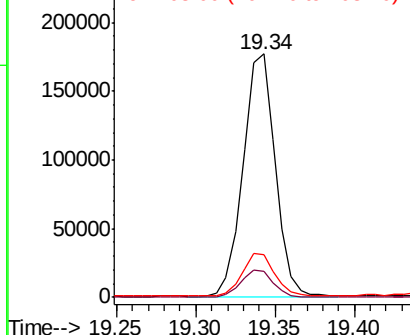
Tot Ion	Ratio	Resp	Lower	Upper
202	100	247771		
101	10.7	0.0	31.3	
203	17.7	0.0	39.9	

Manual Integrations
APPROVED

mohammad
2/17/2020 3:45:37 PM



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

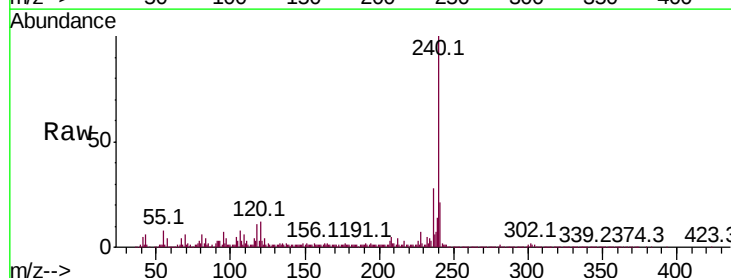
RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

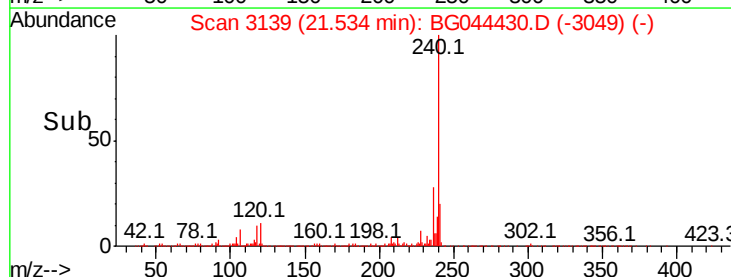
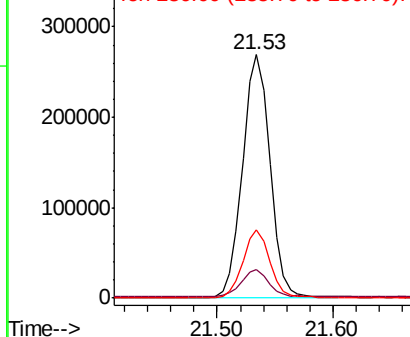
Lab File: BG044430.D

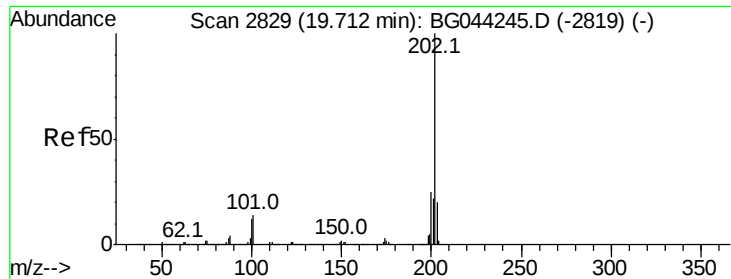
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	443519		
120	11.9	8.4	12.6	
236	28.1	22.1	33.1	



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





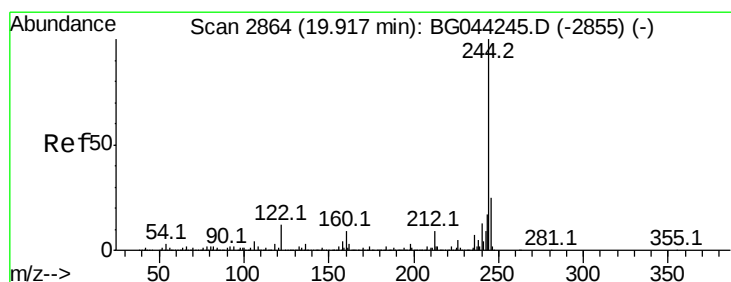
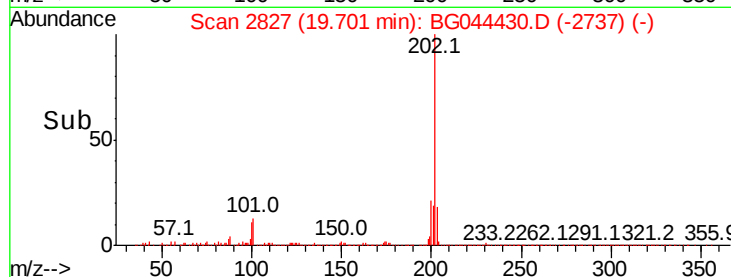
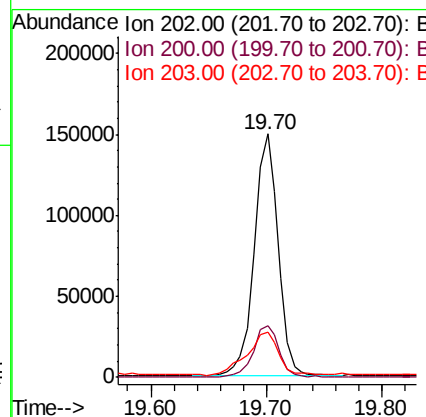
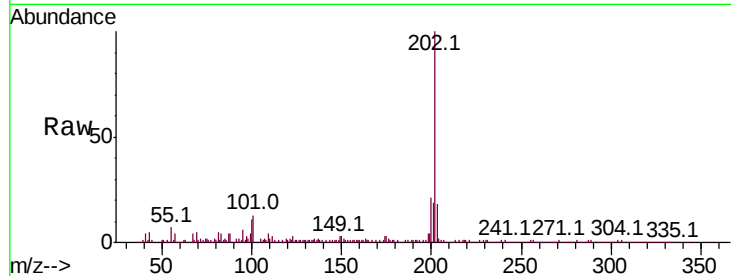
#78
Pvrene
Concen: 7.583 ng
RT: 19.70 min Scan# 2827
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	20.0	30.0
203	18.4	16.2	24.2

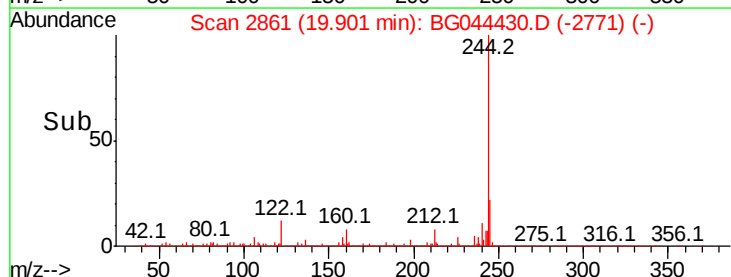
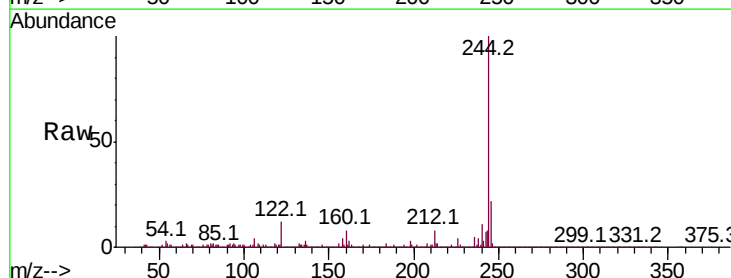
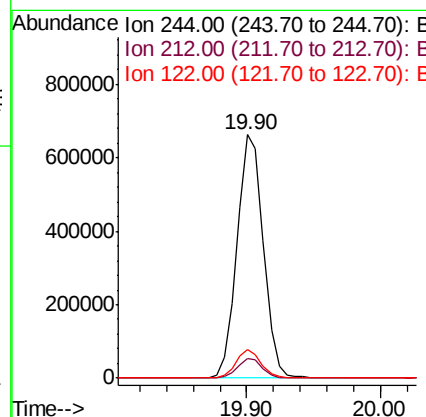
Manual Integrations
APPROVED

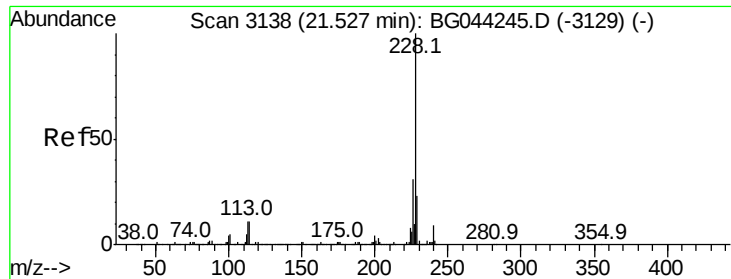
mohammad
2/17/2020 3:45:37 PM



#79
Terphenyl-d14
Concen: 42.069 ng
RT: 19.90 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	7.4	11.2
122	12.0	9.8	14.6





#81

Benzo(a)anthracene

Concen: 4.588 ng

RT: 21.52 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Instrument :

BNA_G

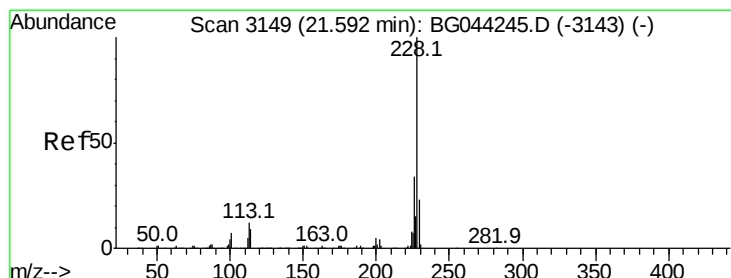
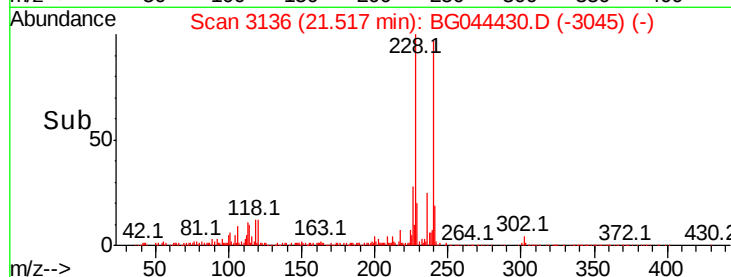
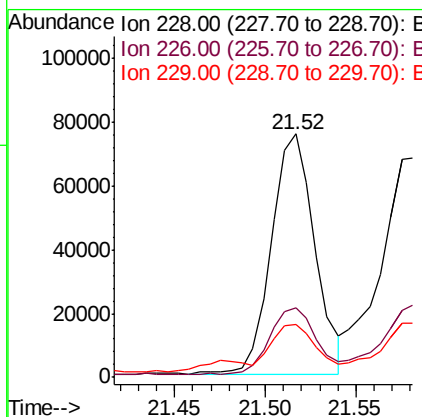
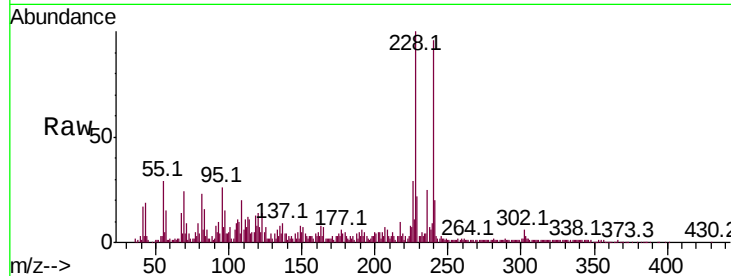
ClientSampleId :

SECTION-C

Tot Ion:	228	Resp:	125401
Ion Ratio	Lower	Upper	
228	100		
226	28.5	24.7	37.1
229	21.6	18.2	27.4

Manual Integrations
APPROVED

mohammad
2/17/2020 3:45:37 PM



#83

Chrysene

Concen: 4.682 ng

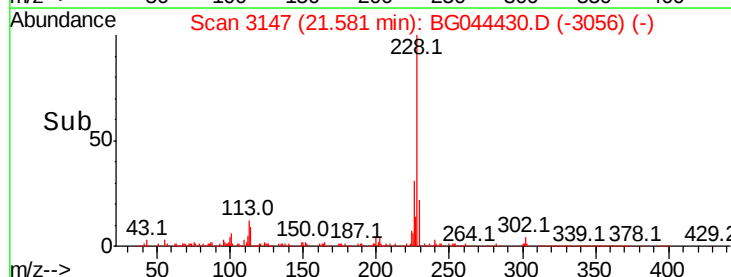
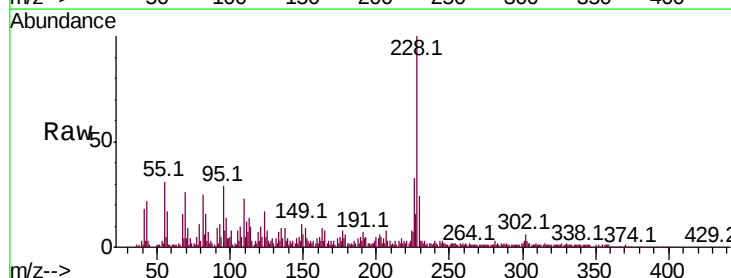
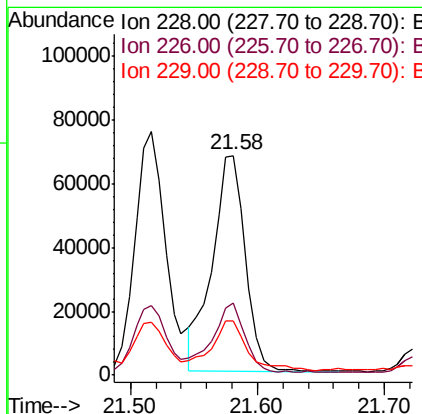
RT: 21.58 min Scan# 3147

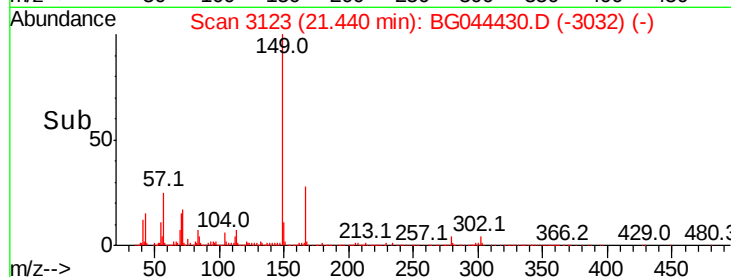
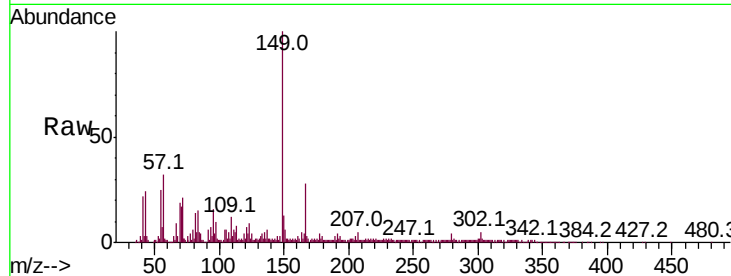
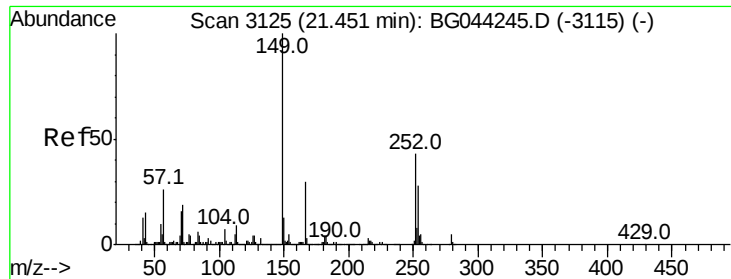
Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Tgt Ion:	228	Resp:	123701
Ion Ratio	Lower	Upper	
228	100		
226	32.7	27.1	40.7
229	24.3	17.9	26.9





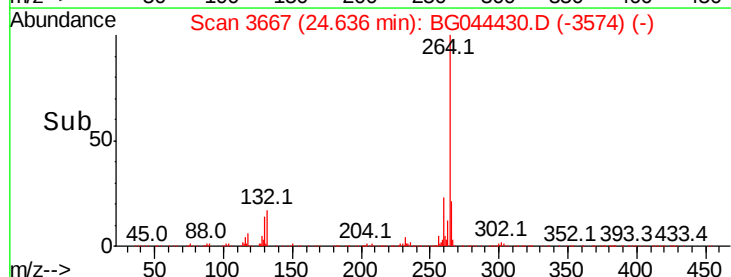
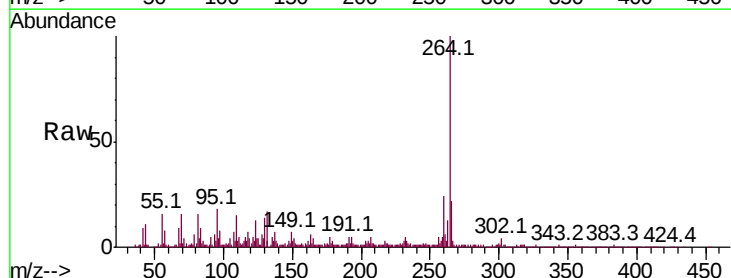
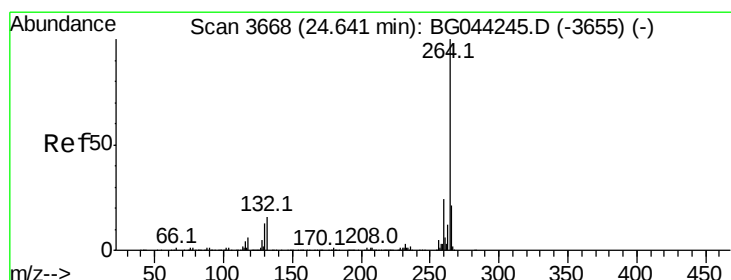
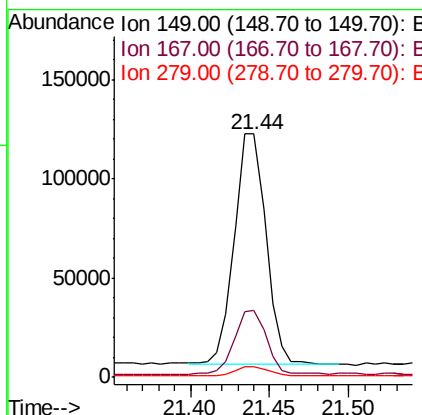
#84
Bis(2-ethylhexyl)phthalate
Concen: 9.083 ng
RT: 21.44 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.7	24.0	36.0
279	4.3	3.8	5.8

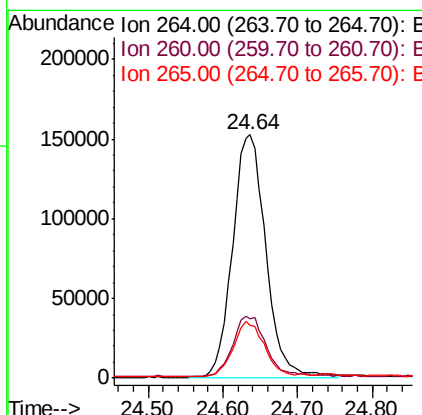
Manual Integrations
APPROVED

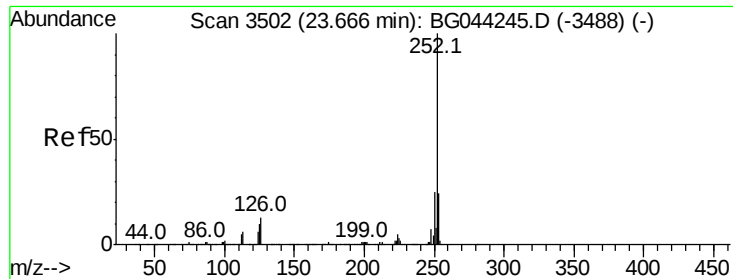
mohammad
2/17/2020 3:45:37 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.64 min Scan# 3667
Delta R.T. 0.02 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.9	16.7	25.1





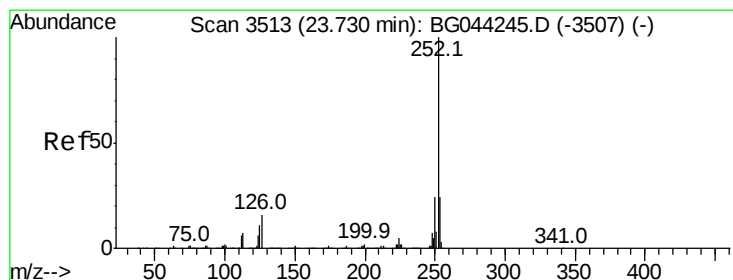
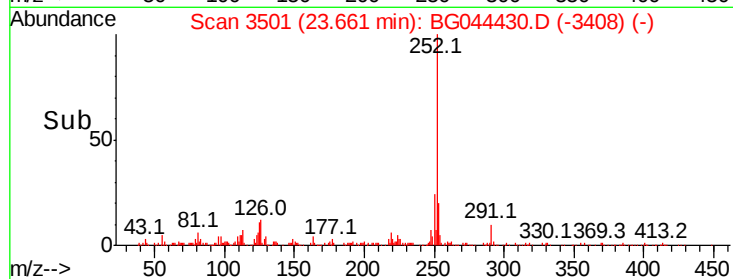
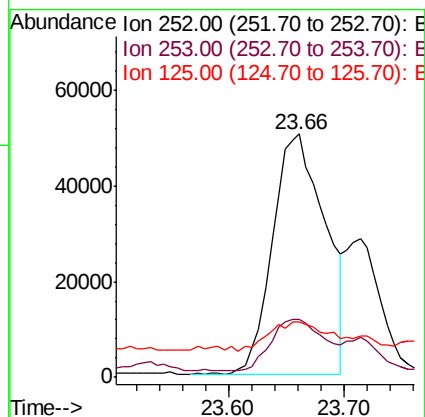
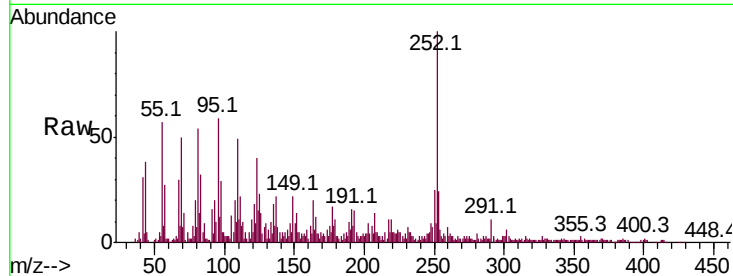
#88
Benzo(b)fluoranthene
Concen: 5.860 ng
RT: 23.66 min Scan# 3501
Delta R.T. 0.02 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.2	28.8
125	23.0	8.4	12.6

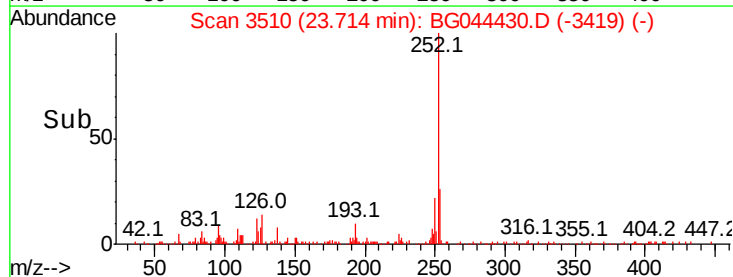
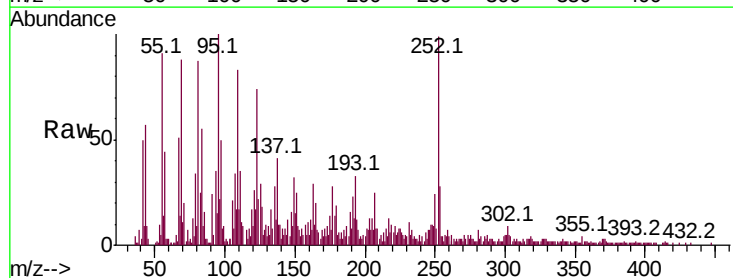
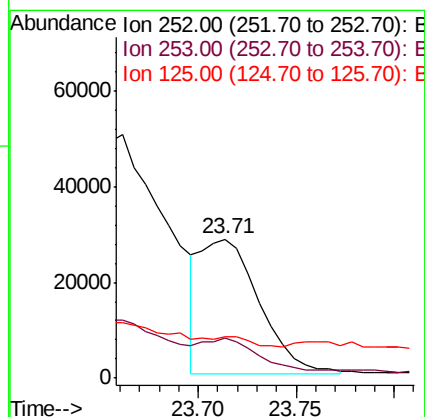
Manual Integrations
APPROVED

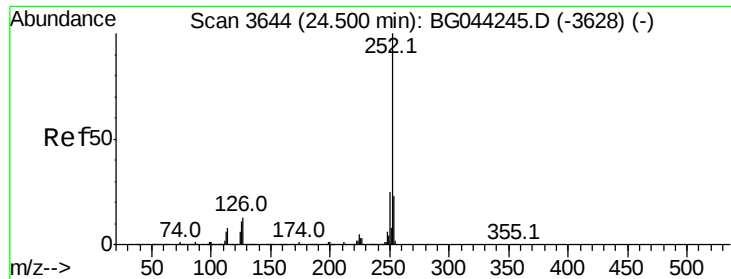
mohammad
2/17/2020 3:45:37 PM



#89
Benzo(k)fluoranthene
Concen: 2.212 ng m
RT: 23.71 min Scan# 3510
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	19.1	28.7
125	29.4	8.6	12.8





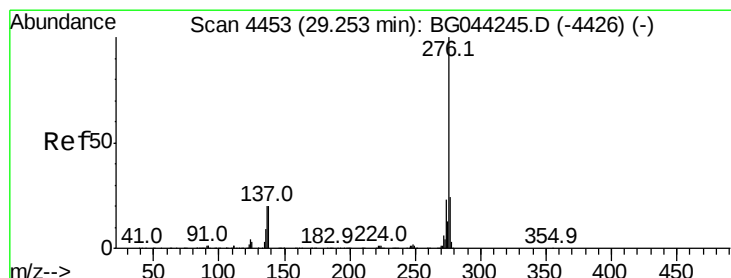
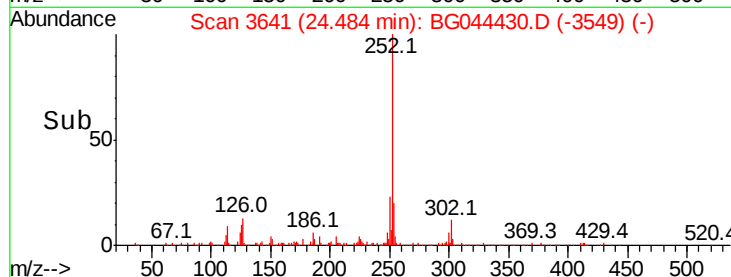
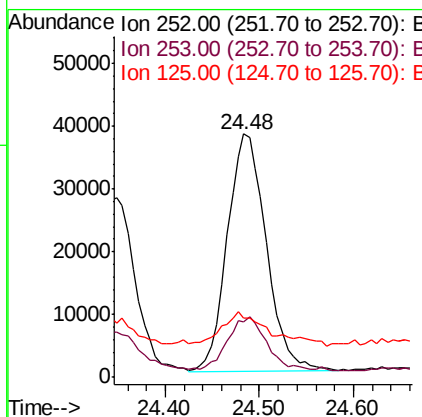
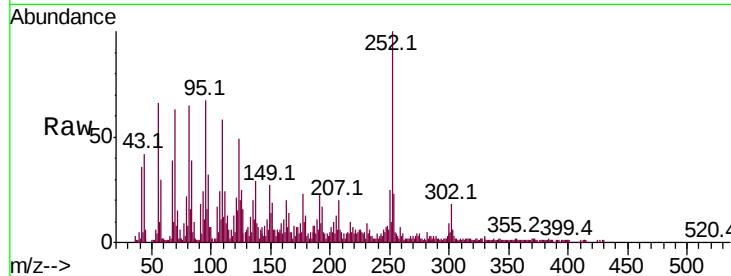
#90
Benzo(a)pyrene
Concen: 4.236 ng
RT: 24.48 min Scan# 3641
Delta R.T. 0.01 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :
SECTION-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	24.5	8.6	13.0

Manual Integrations
APPROVED

mohammad
2/17/2020 3:45:37 PM



#92
Benzo(g,h,i)perylene
Concen: 2.083 ng
RT: 29.22 min Scan# 4447
Delta R.T. 0.02 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	27.8	16.2	24.2

