

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
 Data File : BG048709.D
 Acq On : 15 Apr 2021 15:01
 Operator : CG/JU
 Sample : M2008-02DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NANUET-ST-041221DL

Manual Integrations
 APPROVED

mohammad
 4/16/2021 11:28:14 AM

Quant Time: Apr 15 15:59:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 15 10:59:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.086	152	34680	20.00	ng	0.00
21) Naphthalene-d8	10.912	136	142120	20.00	ng	# 0.00
39) Acenaphthene-d10	14.737	164	86902	20.00	ng	0.00
64) Phenanthrene-d10	17.499	188	180558	20.00	ng	# 0.00
76) Chrysene-d12	21.800	240	158533	20.00	ng	# 0.00
86) Perylene-d12	25.149	264	166288	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.636	112	82987	40.02	ng	0.00
7) Phenol-d6	7.240	99	112196	38.25	ng	0.00
23) Nitrobenzene-d5	9.255	82	88290	27.81	ng	0.00
42) 2,4,6-Tribromophenol	16.236	330	47999	41.19	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	165997	27.59	ng	0.00
79) Terphenyl-d14	20.107	244	174894	18.99	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.467	152	19502	2.55	ng	# 92
71) Phenanthrene	17.540	178	199913	21.33	ng	97
72) Anthracene	17.628	178	21250	2.29	ng	98
75) Fluoranthene	19.555	202	343549	28.99	ng	98
78) Pyrene	19.914	202	353673	32.25	ng	99
81) Benzo(a)anthracene	21.782	228	151138	13.95	ng	97
83) Chrysene	21.847	228	168851	16.36	ng	94
87) Indeno(1,2,3-cd)pyrene	28.974	276	94083	7.70	ng	# 97
88) Benzo(b)fluoranthene	24.079	252	191568	16.98	ng	99
89) Benzo(k)fluoranthene	24.144	252	67067m	6.32	ng	
90) Benzo(a)pyrene	24.984	252	149201	14.36	ng	# 90
91) Dibenzo(a,h)anthracene	29.032	278	27244m	2.60	ng	
92) Benzo(g,h,i)perylene	30.172	276	94189m	9.11	ng	

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

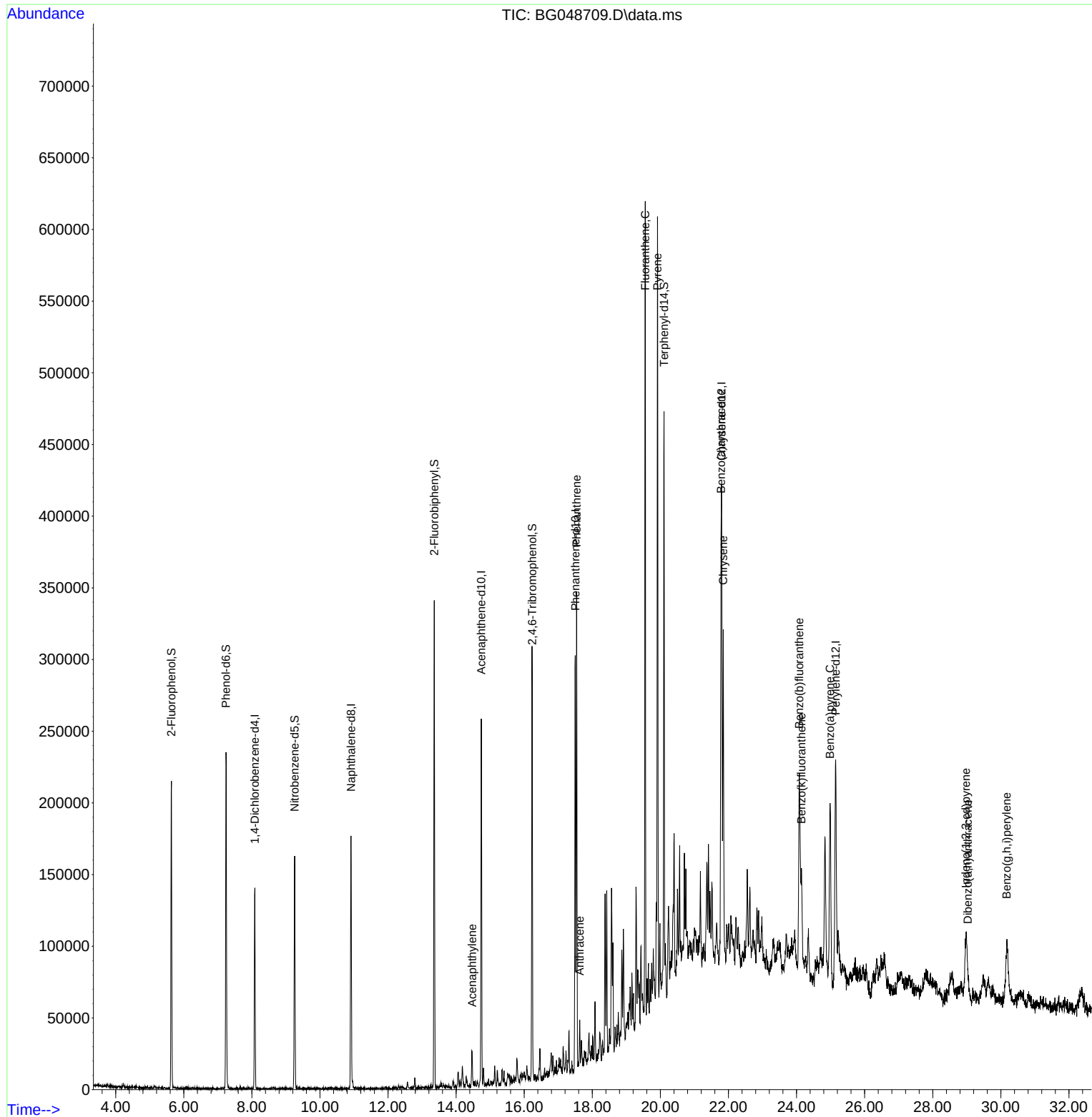
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041521\
Data File : BG048709.D
Acq On : 15 Apr 2021 15:01
Operator : CG/JU
Sample : M2008-02DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

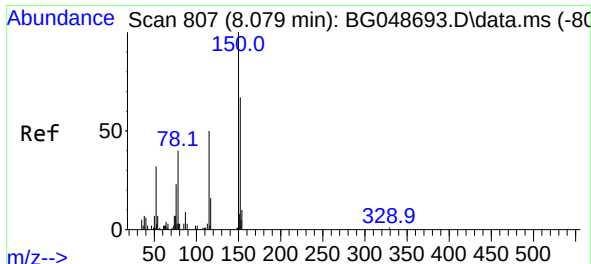
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

Manual Integrations
APPROVED

mohammad
4/16/2021 11:28:14 AM

Quant Time: Apr 15 15:59:22 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 15 10:59:37 2021
Response via : Initial Calibration





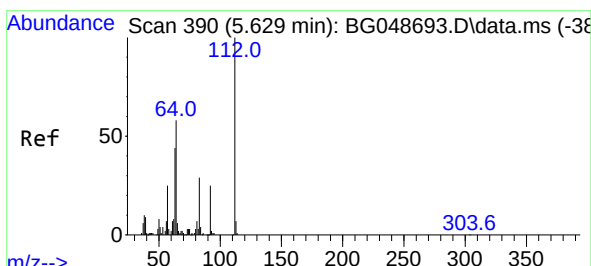
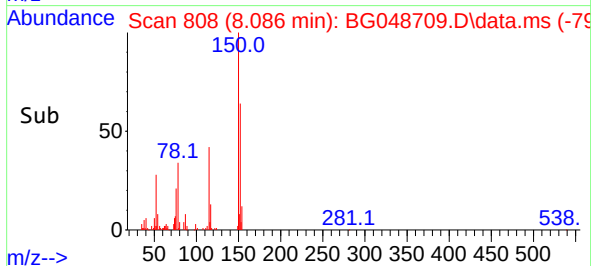
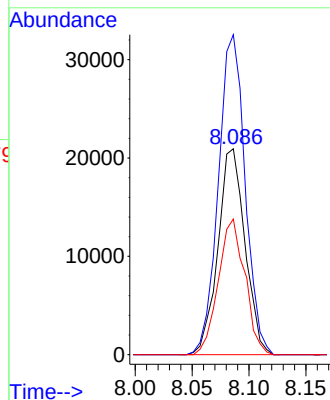
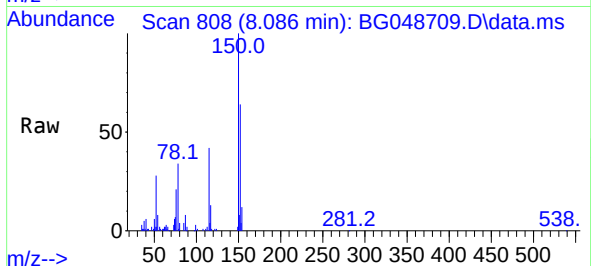
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.086 min Scan# 808
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:152 Resp: 34680
Ion Ratio Lower Upper
152 100
150 155.4 119.4 179.0
115 65.9 60.2 90.4

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

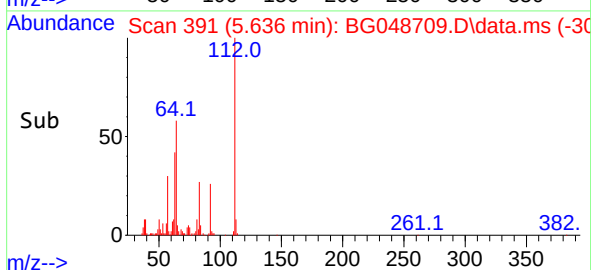
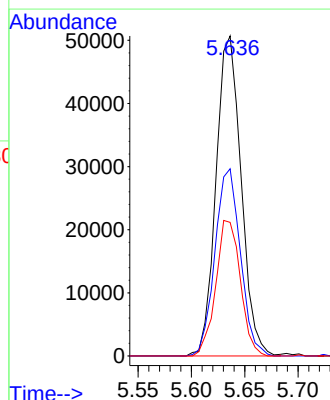
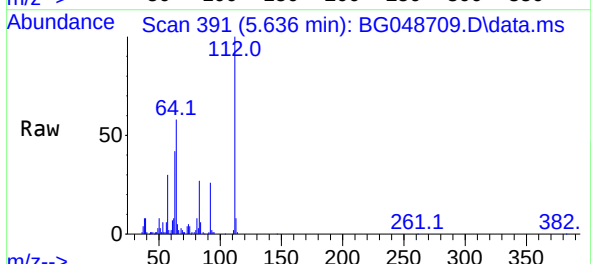
Manual Integrations
APPROVED

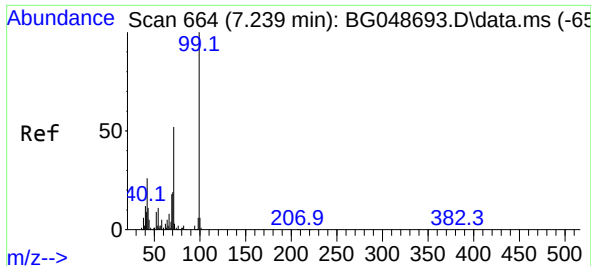
mohammad
4/16/2021 11:28:14 AM



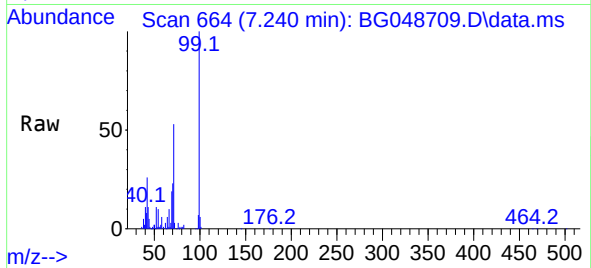
#5
2-Fluorophenol
Concen: 40.02 ng
RT: 5.636 min Scan# 391
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:112 Resp: 82987
Ion Ratio Lower Upper
112 100
64 58.5 46.7 70.1
63 41.7 35.3 52.9

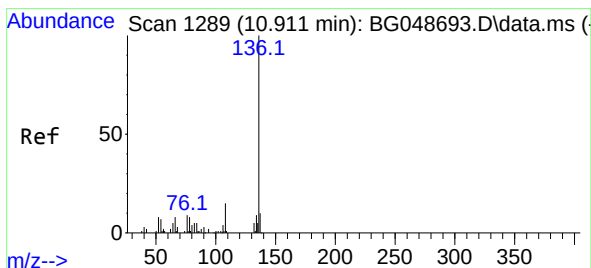
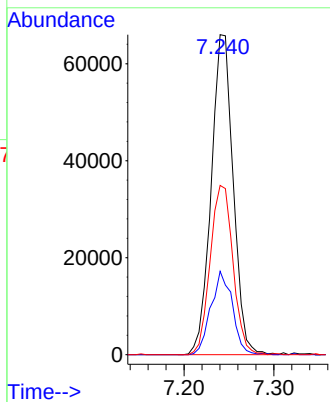
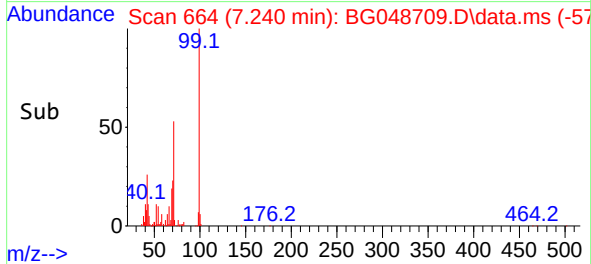




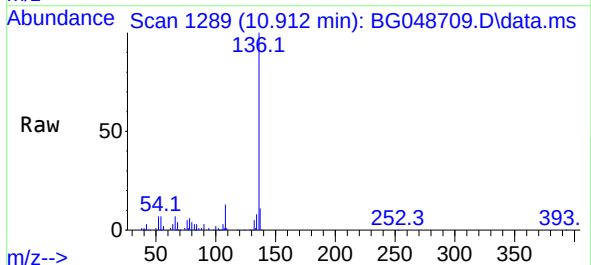
#7
Phenol-d6
Concen: 38.25 ng
RT: 7.240 min Scan# 664
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



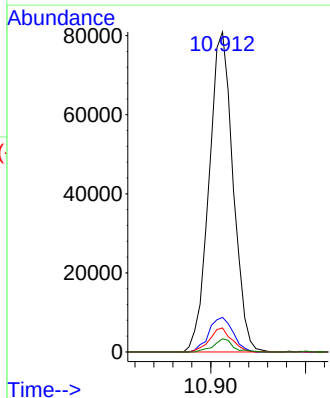
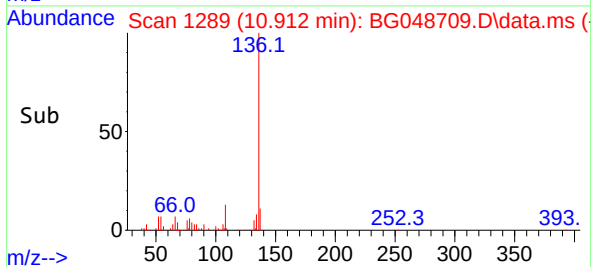
Tgt Ion: 99 Resp: 112196
Ion Ratio Lower Upper
99 100
42 26.0 20.5 30.7
71 52.9 41.5 62.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.912 min Scan# 1289
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



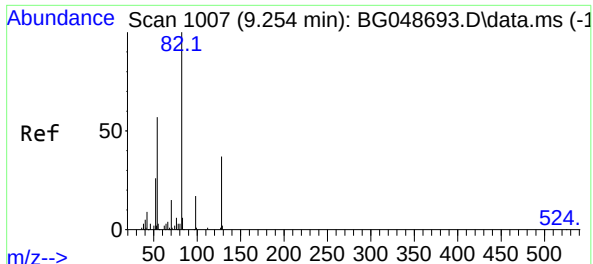
Tgt Ion: 136 Resp: 142120
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.2
54 7.5 5.5 8.3
68 4.4 2.3 3.5



Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

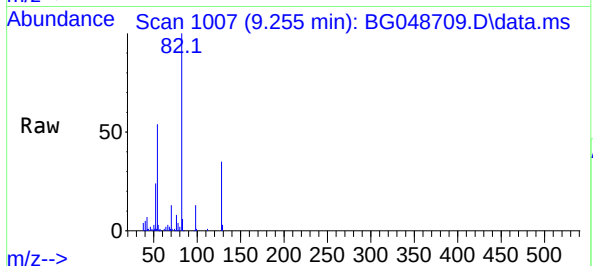
Manual Integrations
APPROVED

mohammad
4/16/2021 11:28:14 AM



#23
Nitrobenzene-d5
Concen: 27.81 ng
RT: 9.255 min Scan# 1007
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

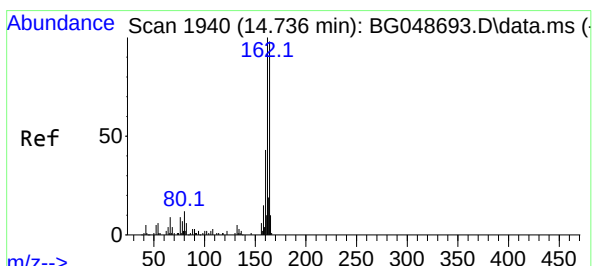
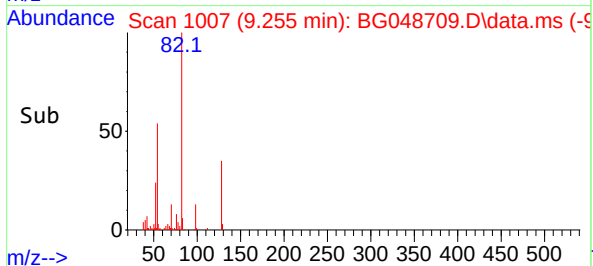
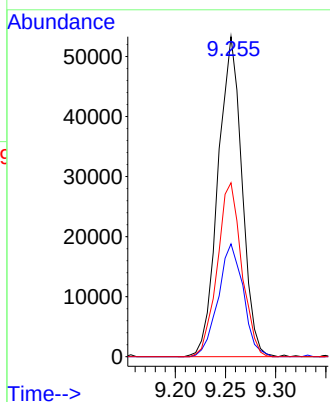
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



Tgt Ion:	82	Resp:	88290
Ion	Ratio	Lower	Upper
82	100		
128	35.2	29.8	44.6
54	54.3	45.8	68.8

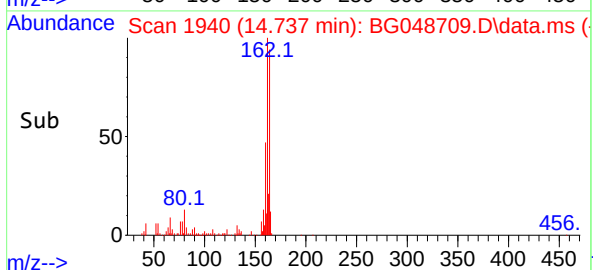
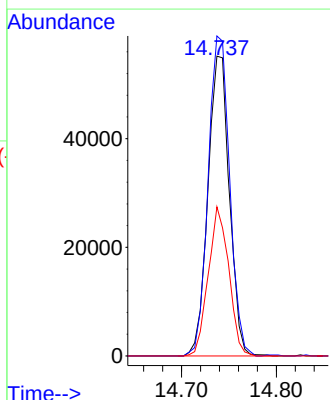
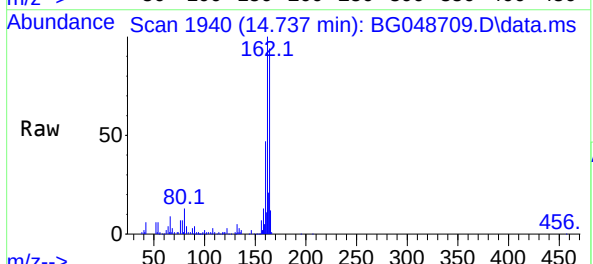
Manual Integrations
APPROVED

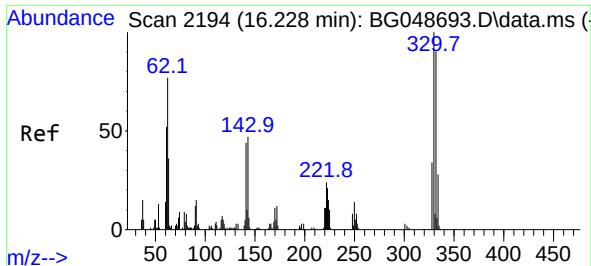
mohammad
4/16/2021 11:28:14 AM



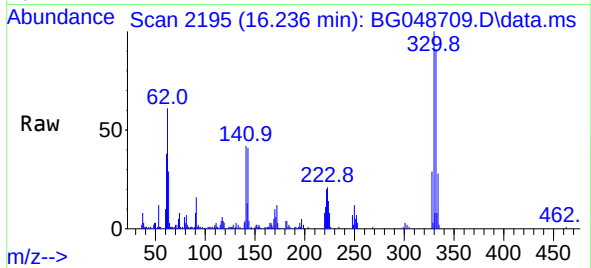
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.737 min Scan# 1940
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:	164	Resp:	86902
Ion	Ratio	Lower	Upper
164	100		
162	106.7	81.4	122.0
160	49.7	34.9	52.3

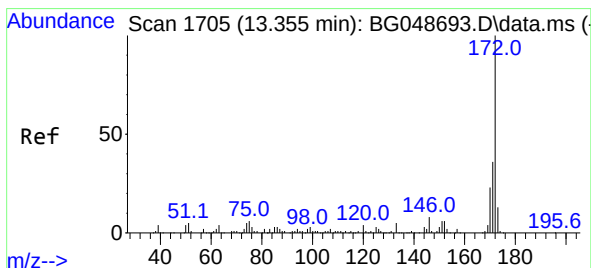
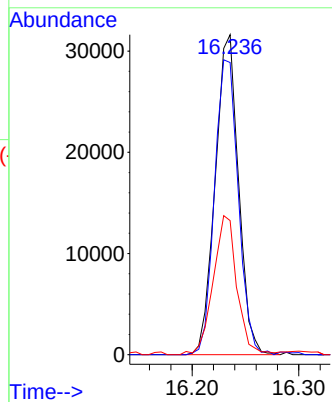
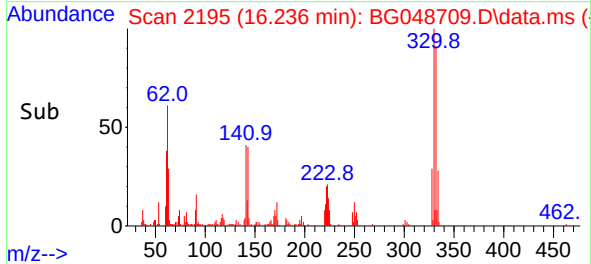




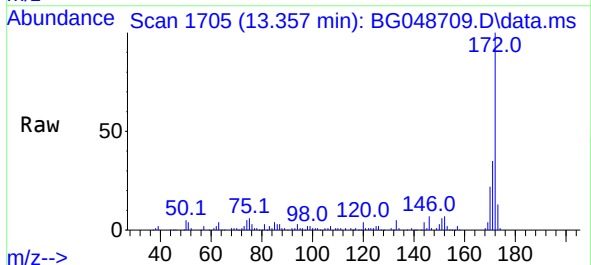
#42
2,4,6-Tribromophenol
Concen: 41.19 ng
RT: 16.236 min Scan# 2195
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



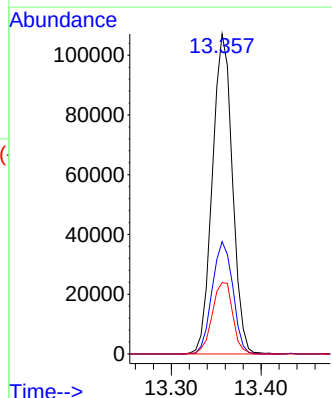
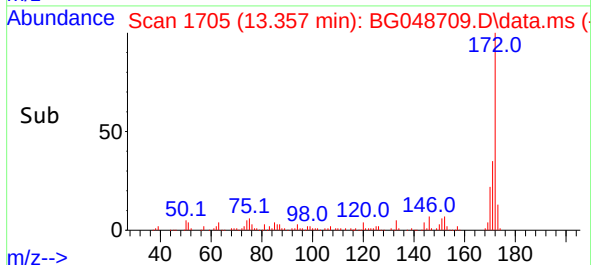
Tgt Ion: 330 Resp: 47999
Ion Ratio Lower Upper
330 100
332 93.7 77.3 115.9
141 44.1 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 27.59 ng
RT: 13.357 min Scan# 1705
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



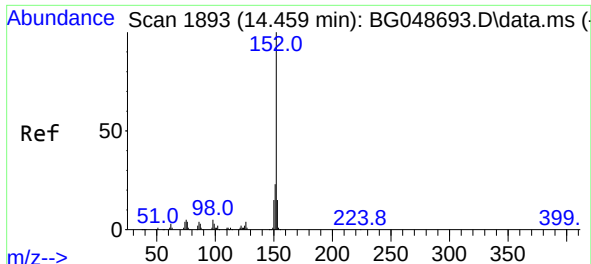
Tgt Ion: 172 Resp: 165997
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.3 18.6 27.8



Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

Manual Integrations
APPROVED

mohammad
4/16/2021 11:28:14 AM



#49

Acenaphthylene

Concen: 2.55 ng

RT: 14.467 min Scan# 1894

Delta R.T. 0.005 min

Lab File: BG048709.D

Acq: 15 Apr 2021 15:01

Tgt Ion:	152	Resp:	19502
Ion Ratio	Lower	Upper	
152	100		
151	17.4	18.2	27.4#
153	13.2	11.7	17.5

Instrument :

BNA_G

ClientSampleId :

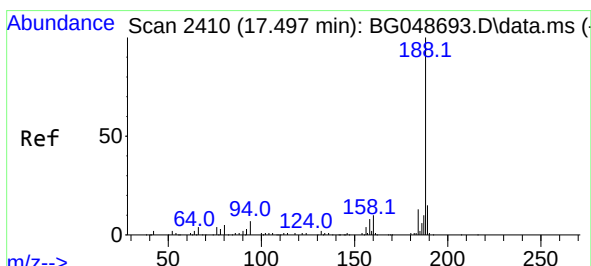
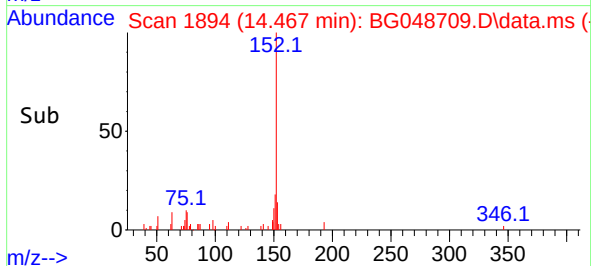
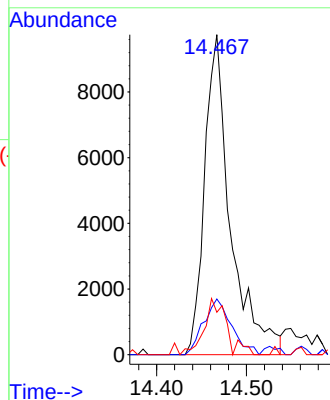
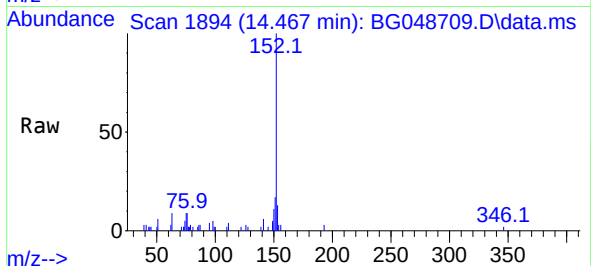
NANUET-ST-041221DL

Manual Integrations

APPROVED

mohammad

4/16/2021 11:28:14 AM



#64

Phenanthrene-d10

Concen: 20.00 ng

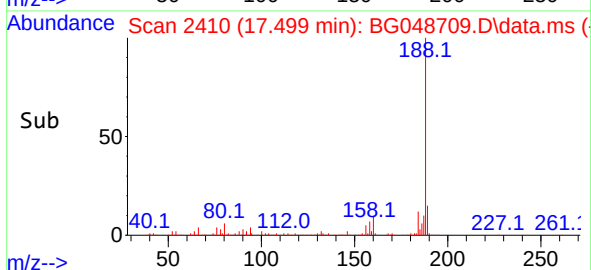
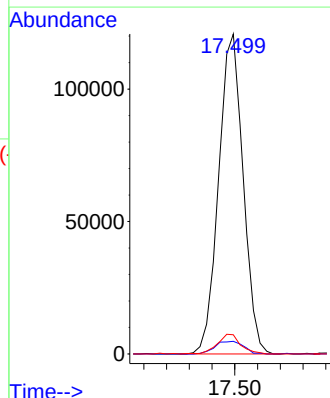
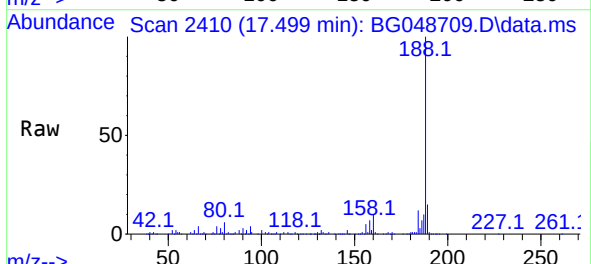
RT: 17.499 min Scan# 2410

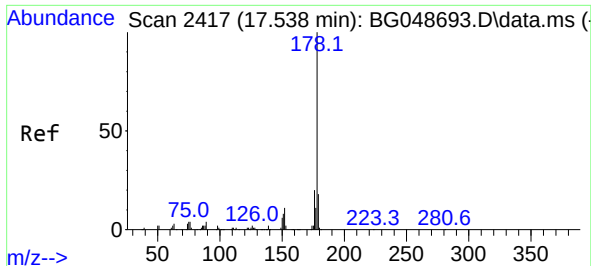
Delta R.T. 0.005 min

Lab File: BG048709.D

Acq: 15 Apr 2021 15:01

Tgt Ion:	188	Resp:	180558
Ion Ratio	Lower	Upper	
188	100		
94	4.8	5.4	8.0#
80	6.0	3.7	5.5#





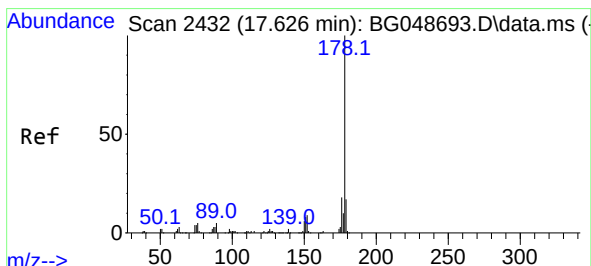
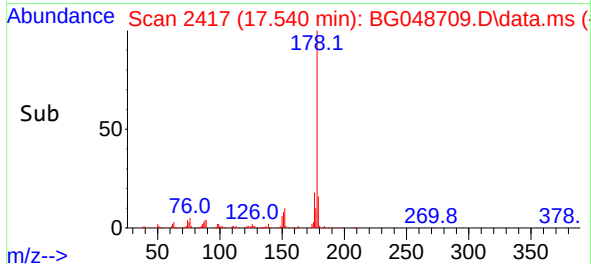
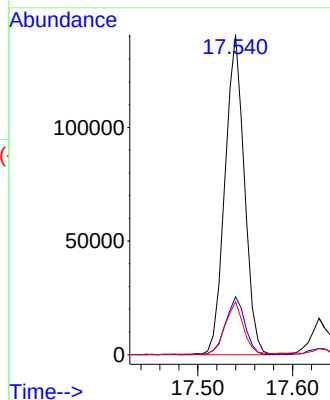
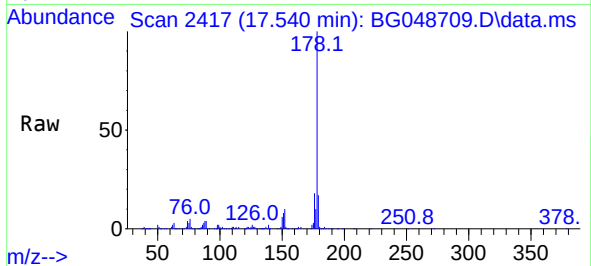
#71
Phenanthrene
Concen: 21.33 ng
RT: 17.540 min Scan# 2417
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:178 Resp: 199913
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 16.6 14.2 21.4

Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

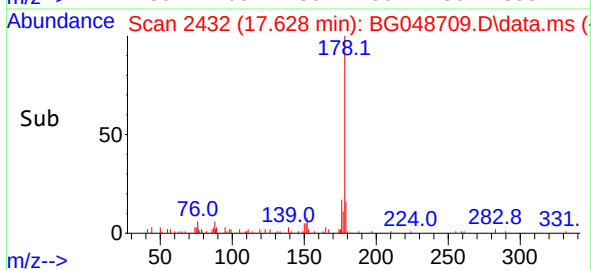
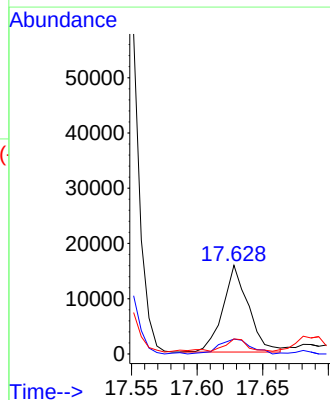
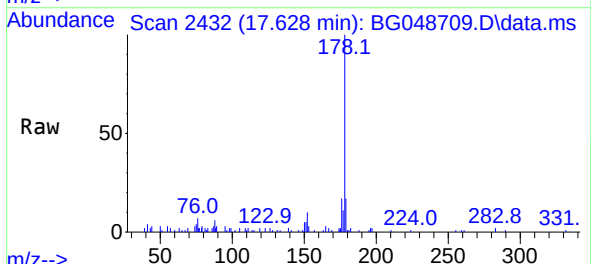
Manual Integrations
APPROVED

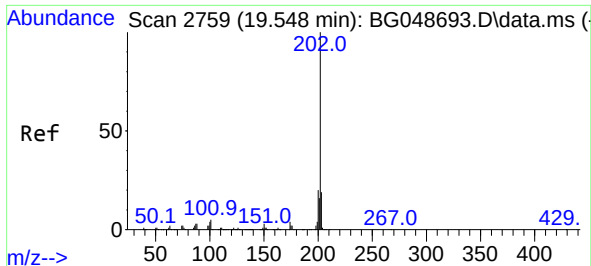
mohammad
4/16/2021 11:28:14 AM



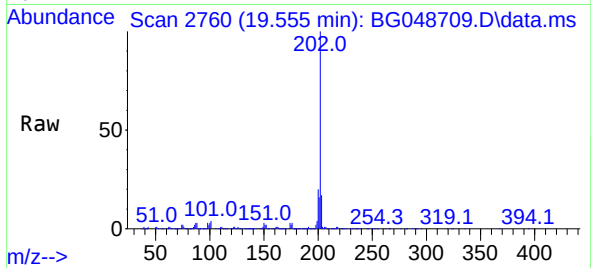
#72
Anthracene
Concen: 2.29 ng
RT: 17.628 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

Tgt Ion:178 Resp: 21250
Ion Ratio Lower Upper
178 100
176 16.7 14.6 21.8
179 17.1 13.4 20.0

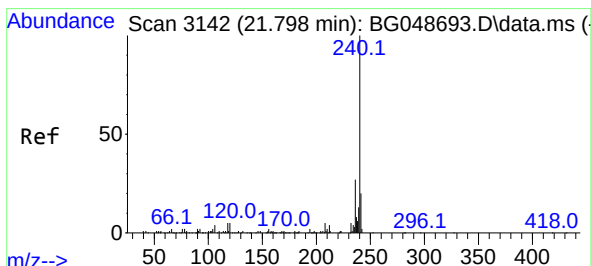
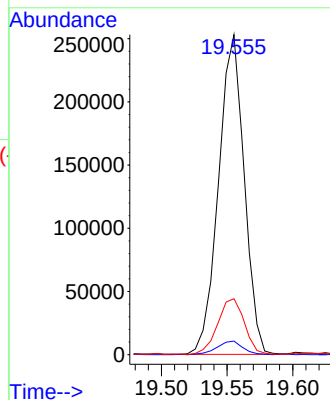
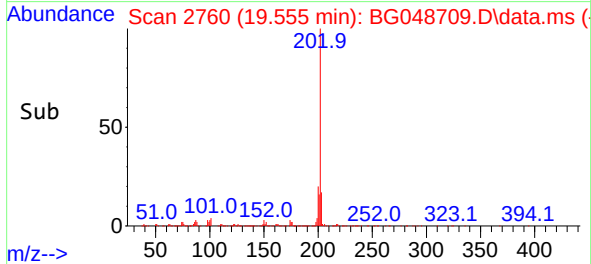




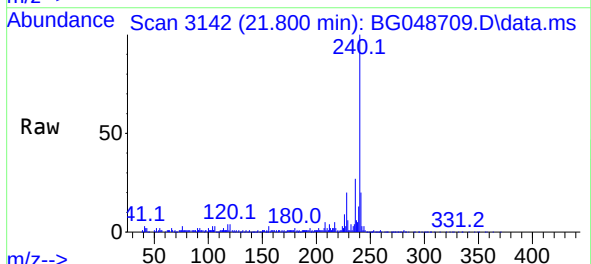
#75
Fluoranthene
Concen: 28.99 ng
RT: 19.555 min Scan# 2760
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



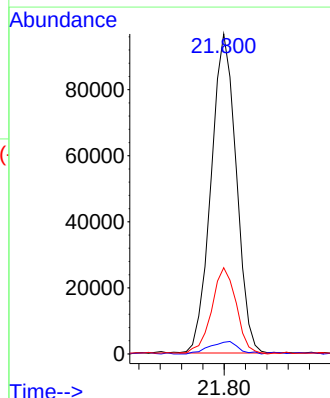
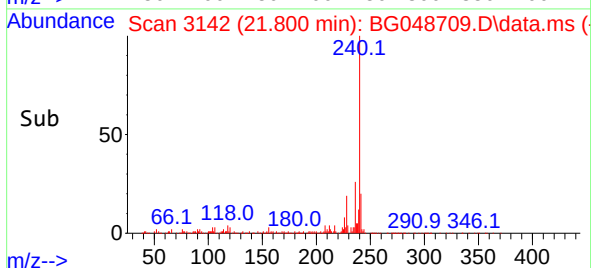
Tgt Ion:202 Resp: 343549
Ion Ratio Lower Upper
202 100
101 4.3 0.0 24.7
203 17.5 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.800 min Scan# 3142
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



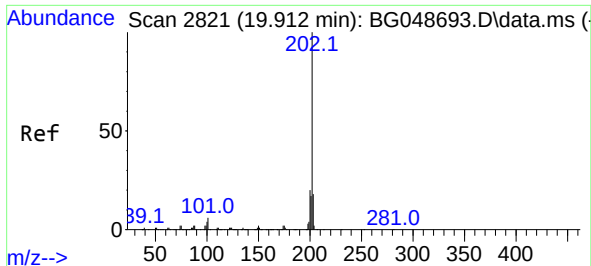
Tgt Ion:240 Resp: 158533
Ion Ratio Lower Upper
240 100
120 3.7 4.2 6.2#
236 27.0 21.8 32.6



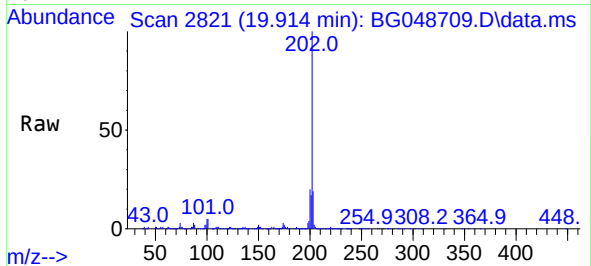
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

Manual Integrations
APPROVED

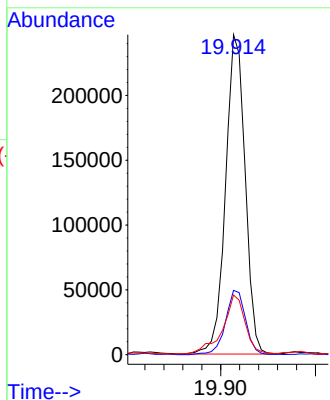
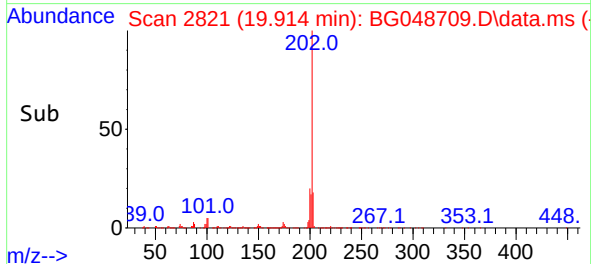
mohammad
4/16/2021 11:28:14 AM



#78
Pyrene
Concen: 32.25 ng
RT: 19.914 min Scan# 2821
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



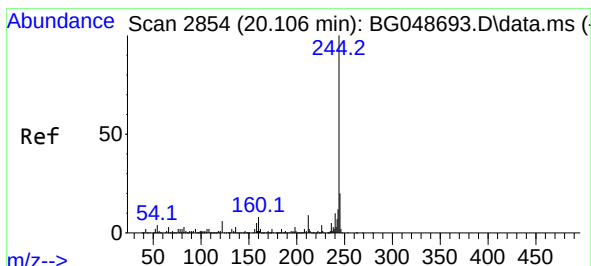
Tgt Ion:202 Resp: 353673
Ion Ratio Lower Upper
202 100
200 20.1 15.8 23.8
203 18.6 14.6 21.8



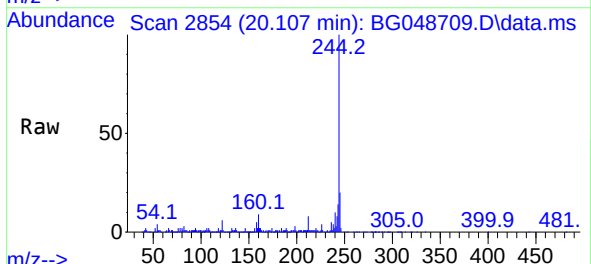
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL

Manual Integrations
APPROVED

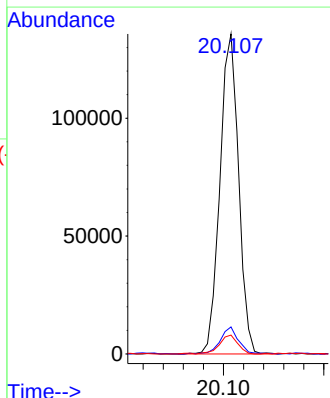
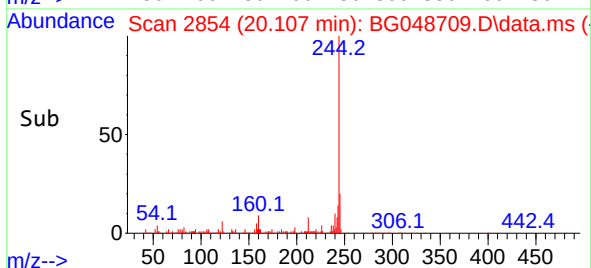
mohammad
4/16/2021 11:28:14 AM

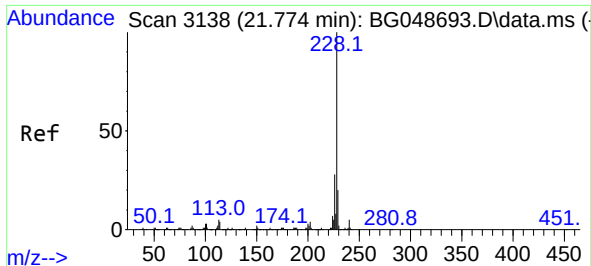


#79
Terphenyl-d14
Concen: 18.99 ng
RT: 20.107 min Scan# 2854
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



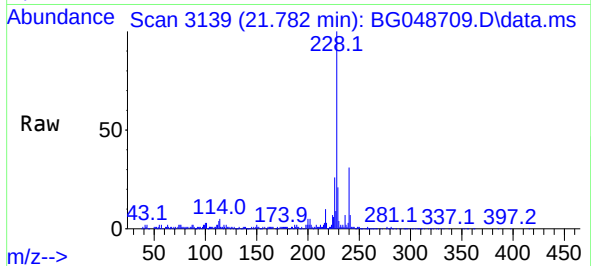
Tgt Ion:244 Resp: 174894
Ion Ratio Lower Upper
244 100
212 8.5 6.9 10.3
122 5.9 5.0 7.6





#81
Benzo(a)anthracene
Concen: 13.95 ng
RT: 21.782 min Scan# 3139
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

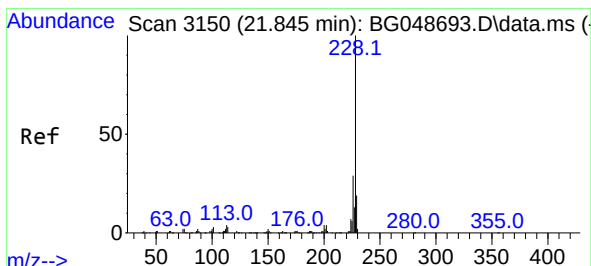
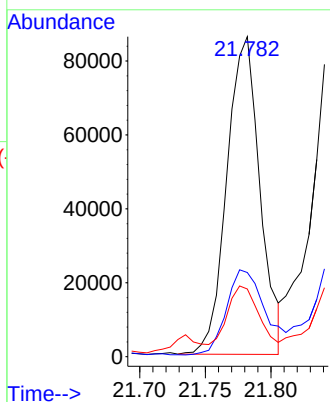
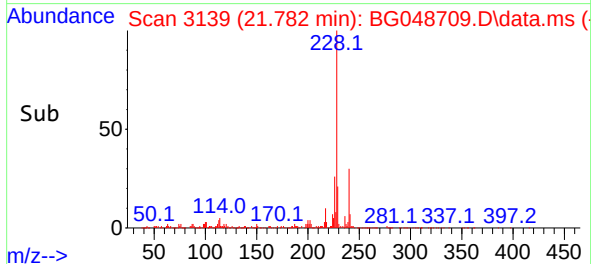
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



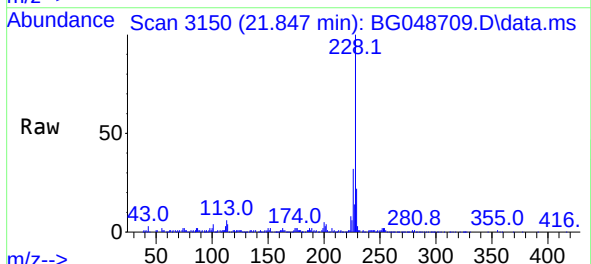
Tgt Ion:228 Resp: 151138
Ion Ratio Lower Upper
228 100
226 26.3 22.7 34.1
229 21.2 16.0 24.0

Manual Integrations
APPROVED

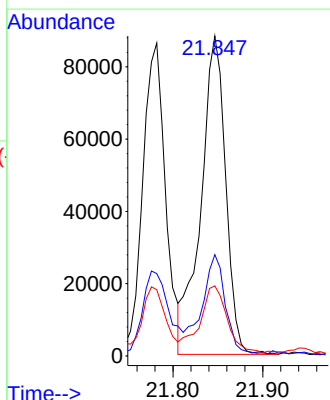
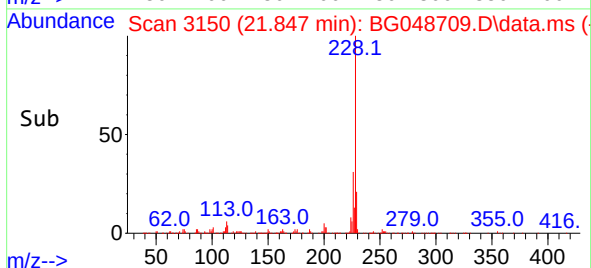
mohammad
4/16/2021 11:28:14 AM

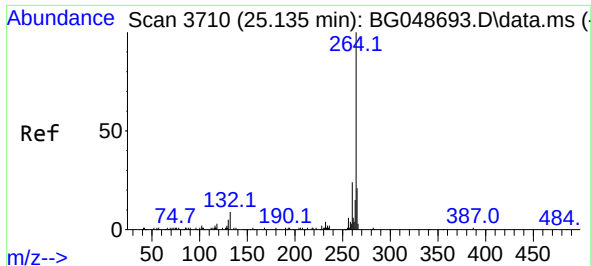


#83
Chrysene
Concen: 16.36 ng
RT: 21.847 min Scan# 3150
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



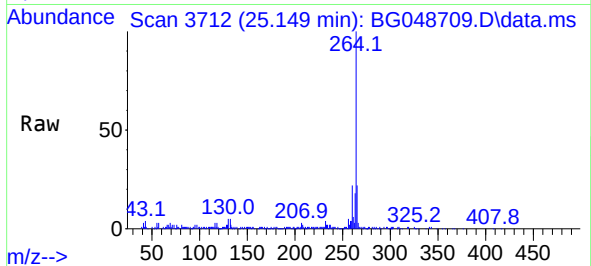
Tgt Ion:228 Resp: 168851
Ion Ratio Lower Upper
228 100
226 31.7 23.1 34.7
229 21.9 15.3 22.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.149 min Scan# 3712
Delta R.T. 0.011 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

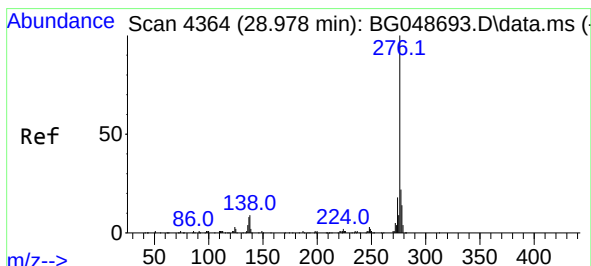
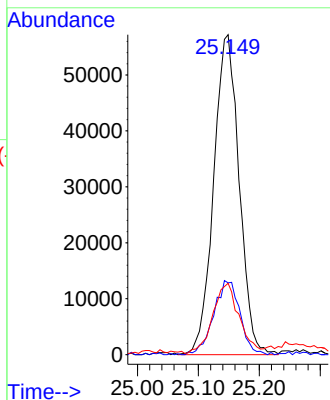
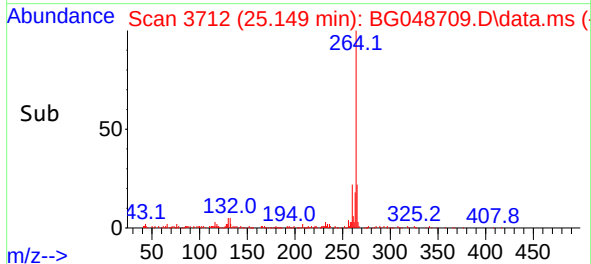
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



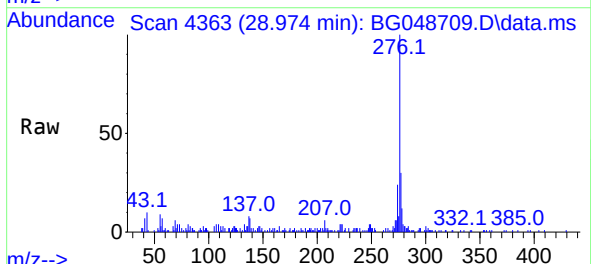
Tgt Ion:264 Resp: 166288
Ion Ratio Lower Upper
264 100
260 22.5 19.4 29.2
265 22.3 16.9 25.3

Manual Integrations
APPROVED

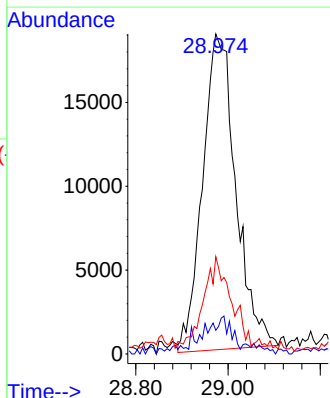
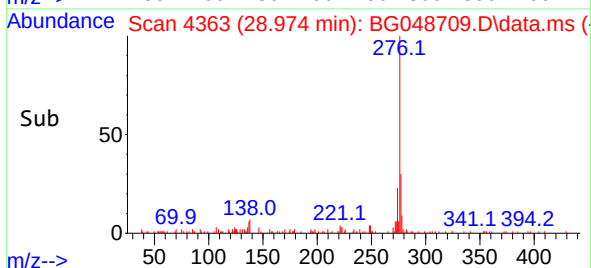
mohammad
4/16/2021 11:28:14 AM

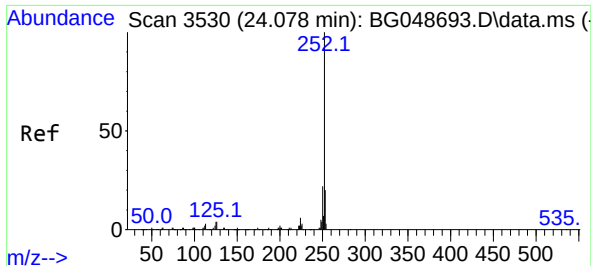


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.70 ng
RT: 28.974 min Scan# 4363
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



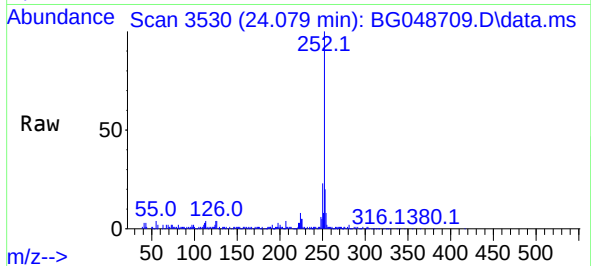
Tgt Ion:276 Resp: 94083
Ion Ratio Lower Upper
276 100
138 2.9 5.1 7.7#
277 24.0 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 16.98 ng
RT: 24.079 min Scan# 3530
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

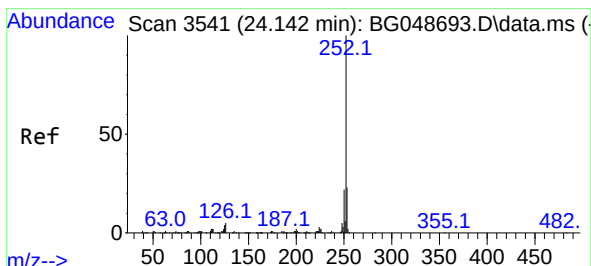
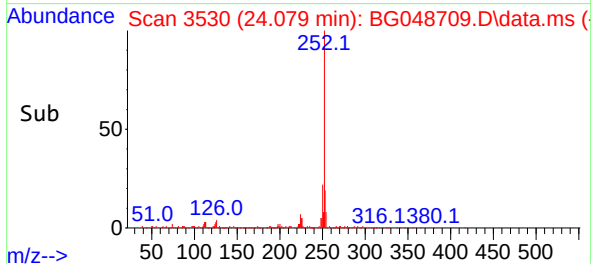
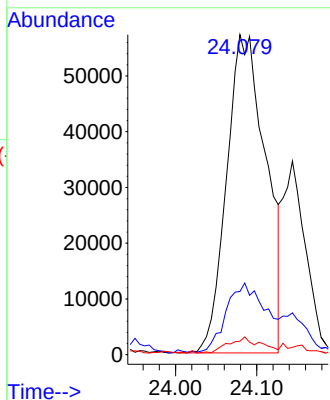
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



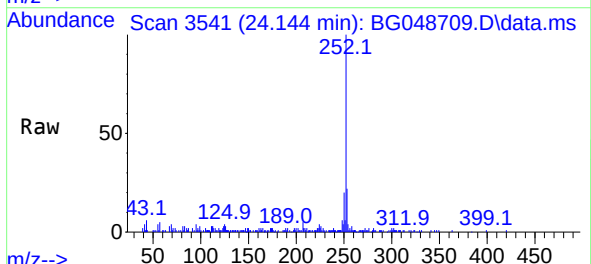
Tgt Ion:252 Resp: 191568
Ion Ratio Lower Upper
252 100
253 19.7 16.2 24.4
125 4.2 3.0 4.4

Manual Integrations
APPROVED

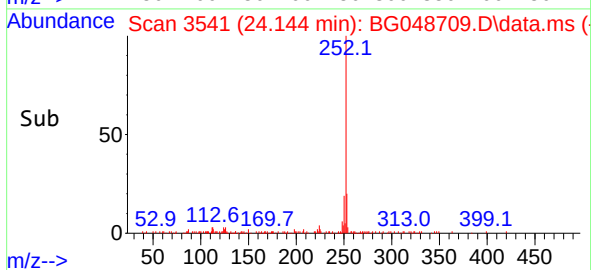
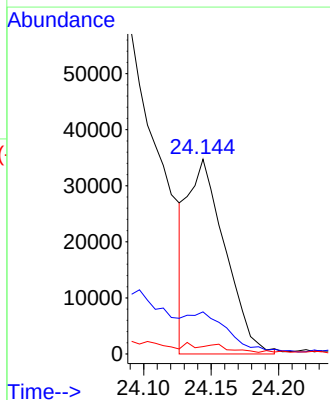
mohammad
4/16/2021 11:28:14 AM

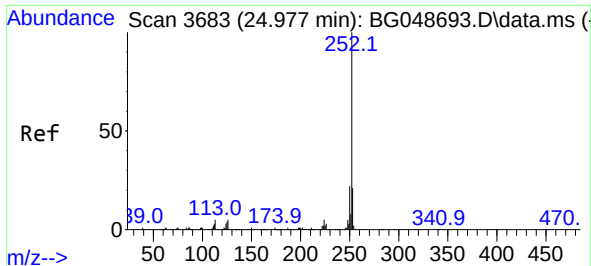


#89
Benzo(k)fluoranthene
Concen: 6.32 ng m
RT: 24.144 min Scan# 3541
Delta R.T. -0.001 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01



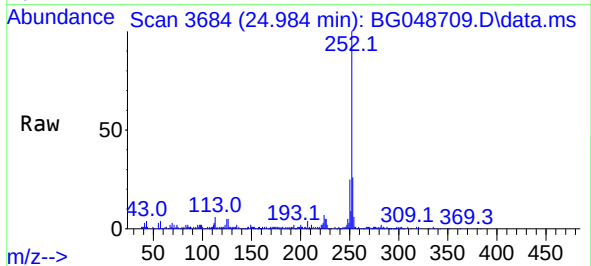
Tgt Ion:252 Resp: 67067
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 3.8 3.1 4.7





#90
Benzo(a)pyrene
Concen: 14.36 ng
RT: 24.984 min Scan# 3684
Delta R.T. 0.005 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

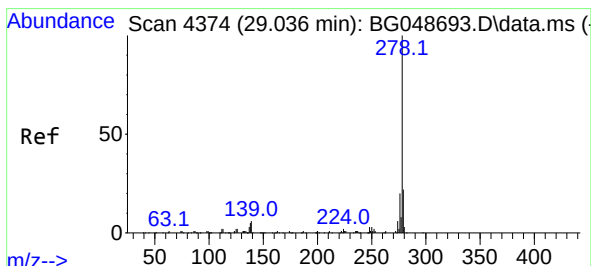
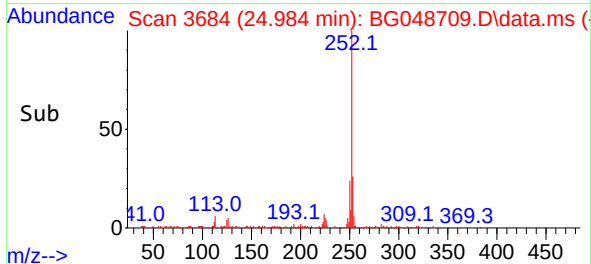
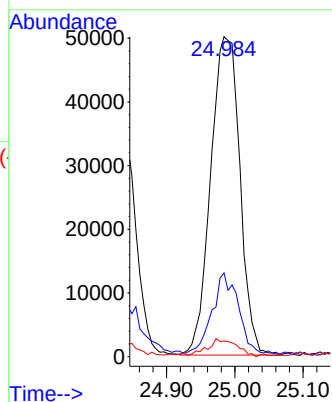
Instrument :
BNA_G
ClientSampleId :
NANUET-ST-041221DL



Tgt Ion:252 Resp: 149201
Ion Ratio Lower Upper
252 100
253 26.2 16.6 25.0#
125 4.9 3.5 5.3

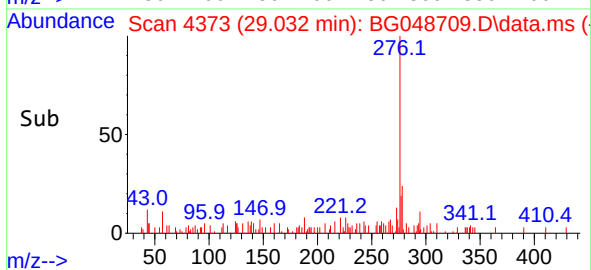
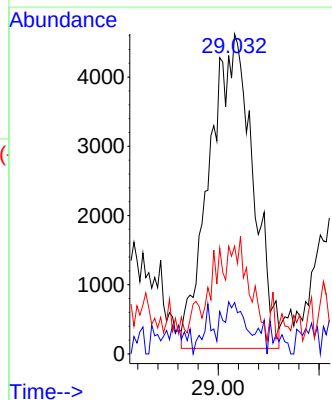
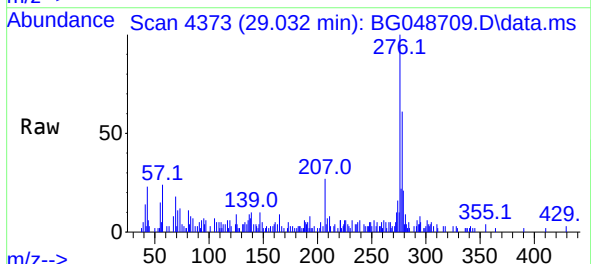
Manual Integrations
APPROVED

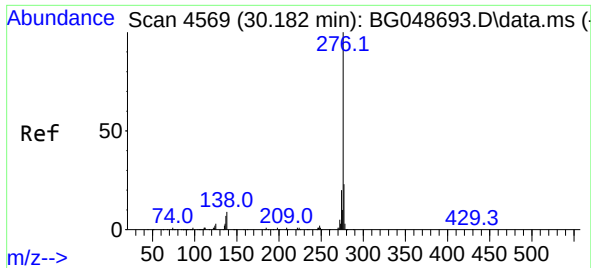
mohammad
4/16/2021 11:28:14 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.60 ng m
RT: 29.032 min Scan# 4373
Delta R.T. -0.019 min
Lab File: BG048709.D
Acq: 15 Apr 2021 15:01

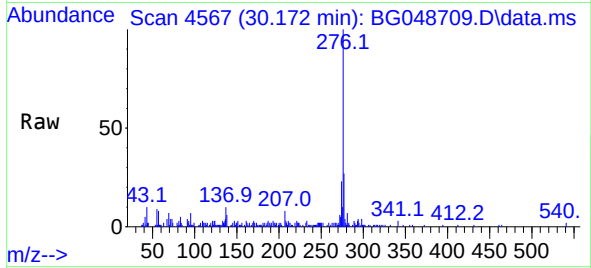
Tgt Ion:278 Resp: 27244
Ion Ratio Lower Upper
278 100
139 16.0 4.6 6.8#
279 33.7 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 9.11 ng m
 RT: 30.172 min Scan# 4567
 Delta R.T. -0.007 min
 Lab File: BG048709.D
 Acq: 15 Apr 2021 15:01

Instrument :
 BNA_G
 ClientSampleId :
 NANUET-ST-041221DL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.4	27.6
138	6.3	7.0	10.6#

Manual Integrations
 APPROVED

mohammad
 4/16/2021 11:28:14 AM

