

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041943.D
 Acq On : 4 Aug 2019 15:03
 Operator : HP/JU
 Sample : K3850-08DL 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BENQ1DL

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:43 PM

Quant Time: Aug 05 03:51:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 01:19:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	92506	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	371971	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	245222	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	482418	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	475520	20.00	ng/ul	0.00
85) Perylene-d12	25.02	264	519427	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	1559	0.74	ng/uL	0.00
5) Phenol-d5	7.18	99	36297	5.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	21509	5.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	34964	5.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	29837	4.90	ng/ul	0.00
19) Nitrobenzene-d5	9.21	128	17438	6.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	19390	5.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	38351	5.84	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	42197	5.79	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	115910	6.09	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	148675	6.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	12426	3.89	ng/ul	0.01
57) Fluorene-d10	15.69	176	102297	6.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	5735	1.85	ng/ul	0.01
70) Anthracene-d10	17.55	188	155035	6.70	ng/ul	0.00
78) Pyrene-d10	19.84	212	176131	6.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	176350	6.50	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.91	128	113650	5.976	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	106172	7.024	ng/ul	97
40) 1,1'-Biphenyl	13.53	154	17995	1.009	ng/ul#	92
49) Acenaphthene	14.76	153	142075	9.266	ng/ul	99
53) Dibenzofuran	15.09	168	27614	1.207	ng/ul	90
58) Fluorene	15.74	166	120557	6.541	ng/ul	98
69) Phenanthrene	17.50	178	1429313	54.120	ng/ul	94
71) Anthracene	17.58	178	354681	13.241	ng/ul	97
74) Carbazole	17.85	167	24243	1.093	ng/ul#	84
76) Fluoranthene	19.50	202	1048790	34.370	ng/ul	98
79) Pyrene	19.87	202	1579320	49.375	ng/ul	99
82) Benzo(a)anthracene	21.72	228	864513	26.221	ng/ul	97
84) Chrysene	21.78	228	903421	29.358	ng/ul	98
87) Benzo(b)fluoranthene	23.99	252	655287	20.103	ng/ul	100
88) Benzo(k)fluoranthene	24.04	252	182292m	5.816	ng/ul	
90) Benzo(a)pyrene	24.86	252	606824	19.536	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.76	276	178019	4.914	ng/ul	97
92) Dibenzo(a,h)anthracene	28.81	278	69134m	2.339	ng/ul	
93) Benzo(g,h,i)perylene	29.94	276	167982	5.553	ng/ul	96

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

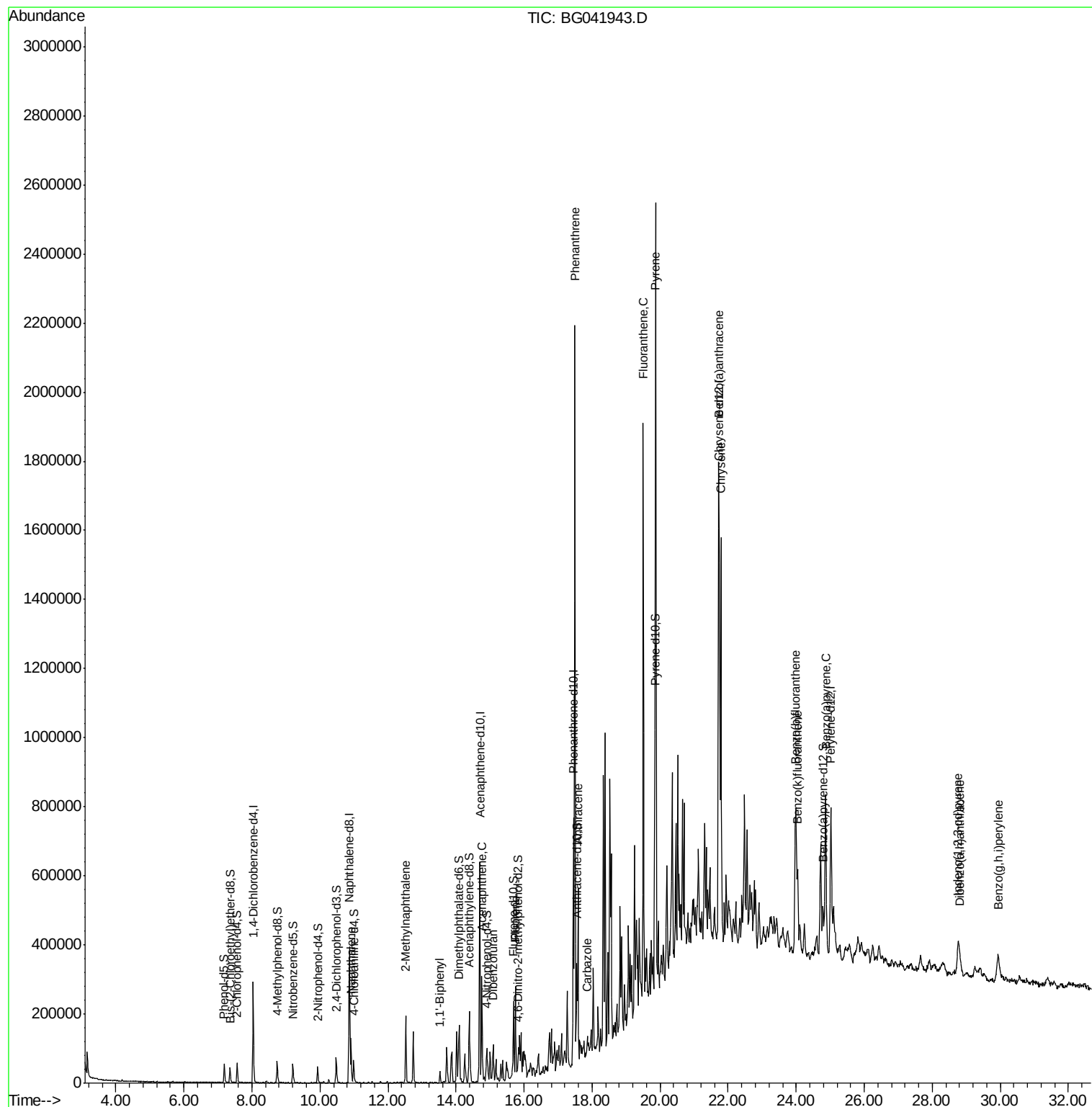
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041943.D
Acq On : 4 Aug 2019 15:03
Operator : HP/JU
Sample : K3850-08DL 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

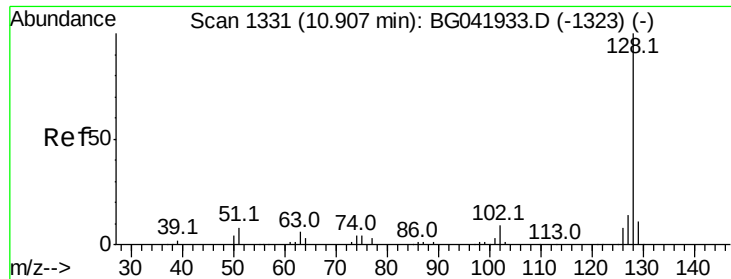
Instrument :
BNA_G
ClientSampleId :
BENQ1DL

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Quant Time: Aug 05 03:51:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





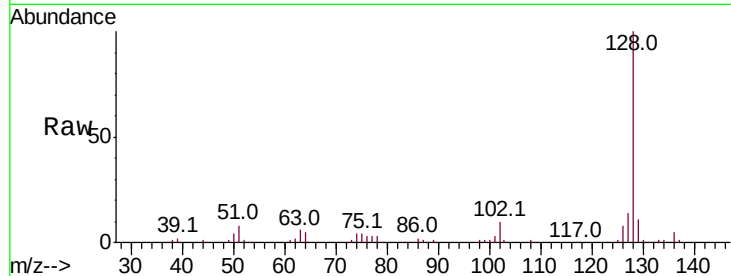
#28
Naphthalene
Concen: 5.976 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041943.D
Acq: 4 Aug 2019 15:03

Instrument :
BNA_G
ClientSampleId :
BENQ1DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.5	14.3
127	14.4	11.4	17.0

Manual Integrations
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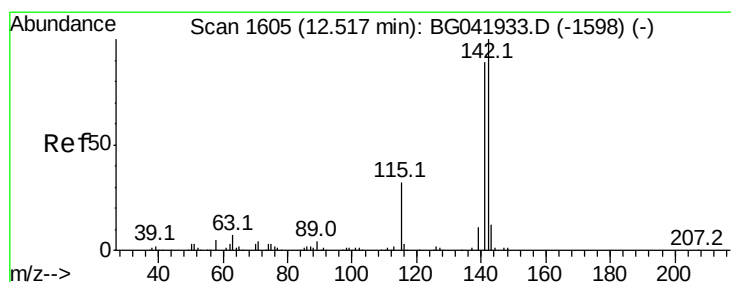
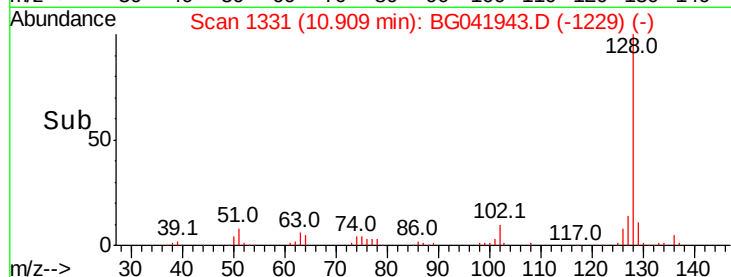
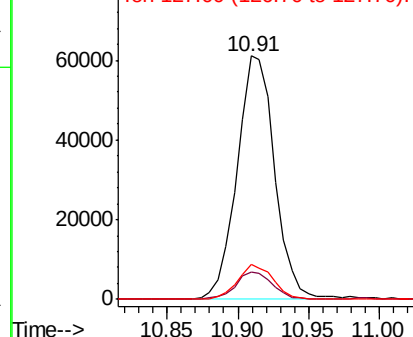


Abundance

Ion 128.00 (127.70 to 128.70): E

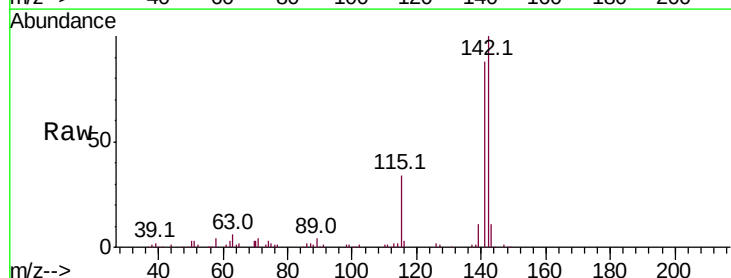
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 7.024 ng/ul
RT: 12.52 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BG041943.D
Acq: 4 Aug 2019 15:03

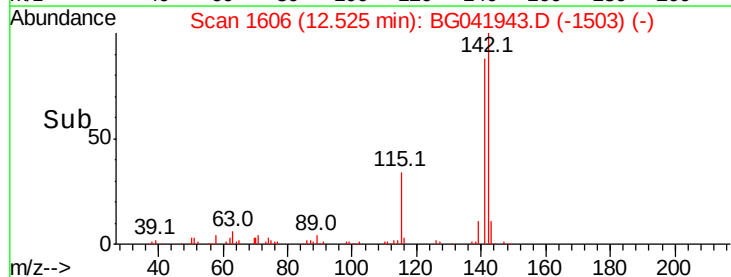
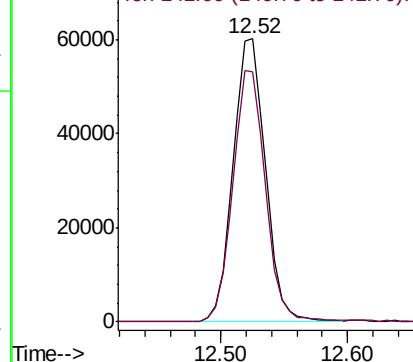
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.9	109.3

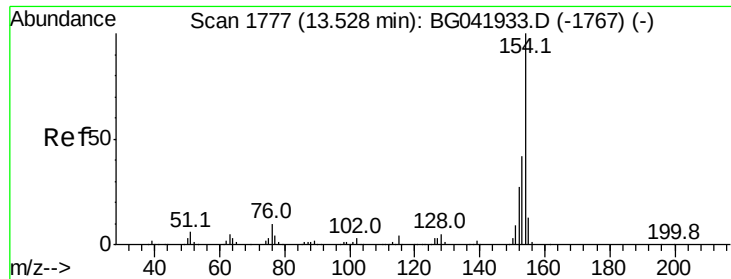


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





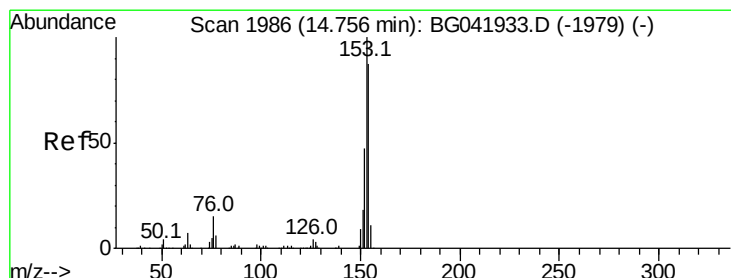
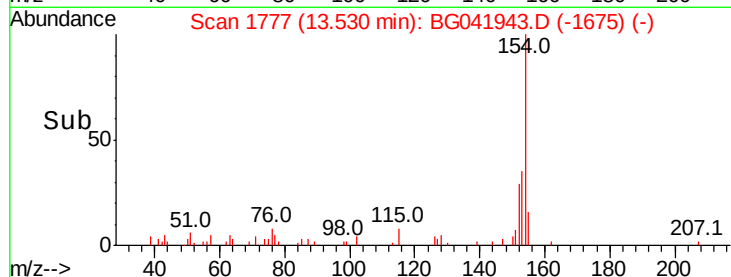
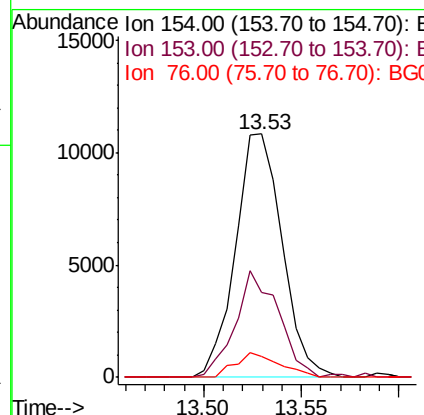
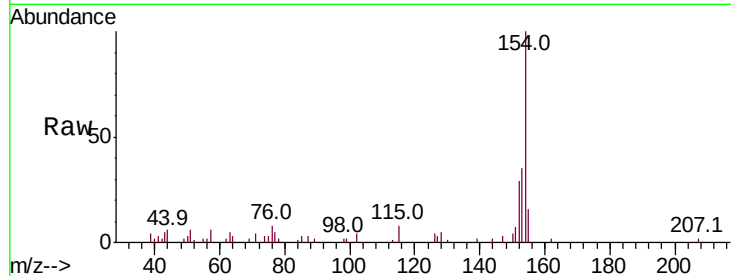
#40
 1,1'-Biphenyl
 Concen: 1.009 ng/ul
 RT: 13.53 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Instrument :
 BNA_G
 ClientSampleID :
 BENQ1DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	35.1	32.6	48.8
76	8.5	8.6	13.0

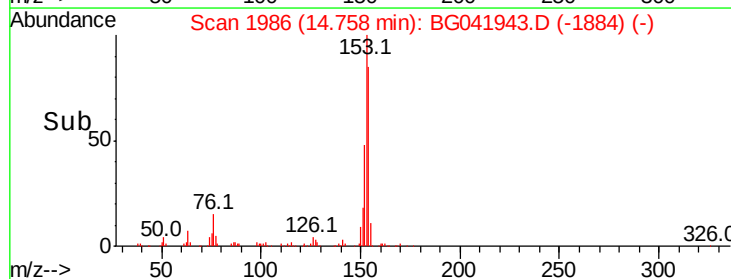
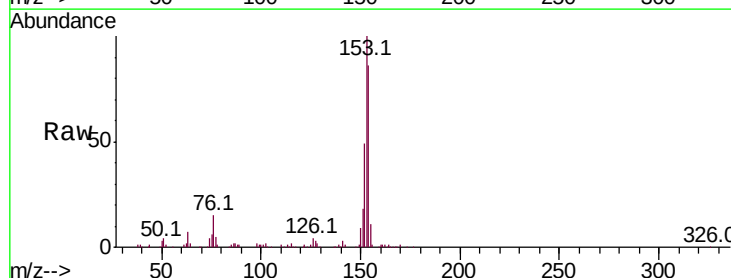
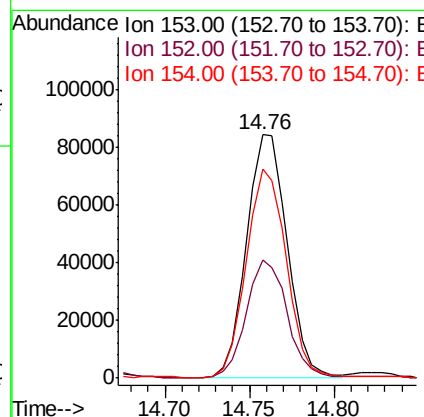
Manual Integrations
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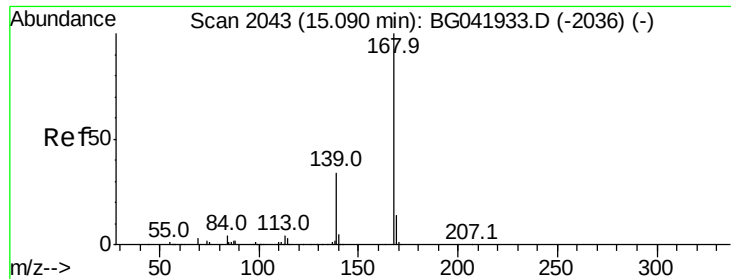
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#49
 Acenaphthene
 Concen: 9.266 ng/ul
 RT: 14.76 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.8	56.8
154	85.9	69.4	104.2





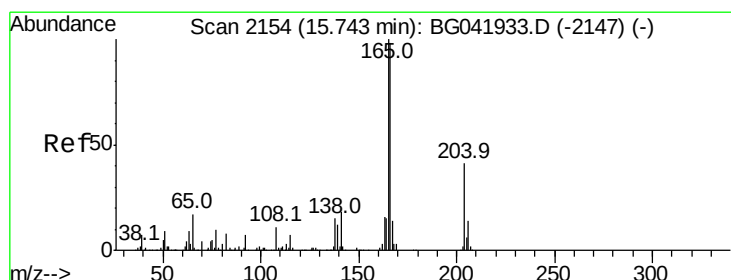
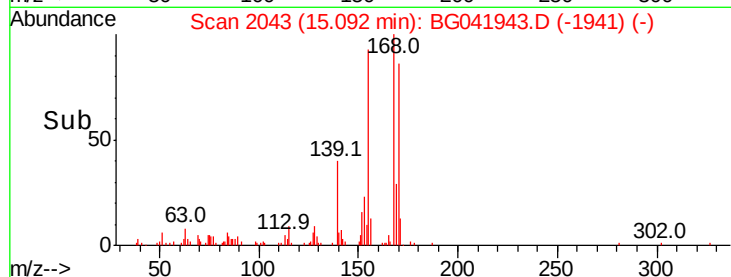
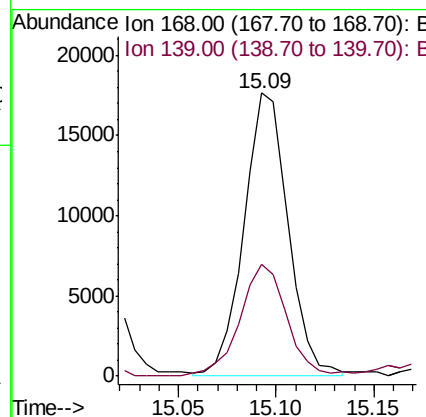
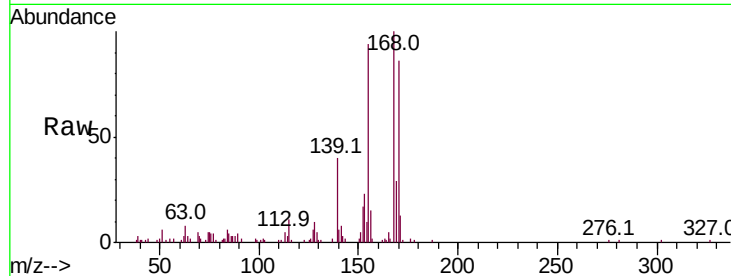
#53
Dibenzenofuran
Concen: 1.207 ng/ul
RT: 15.09 min Scan# 2043
Delta R.T. 0.00 min
Lab File: BG041943.D
Acq: 4 Aug 2019 15:03

Instrument :
BNA_G
ClientSampleId :
BENQ1DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.6	27.3	40.9

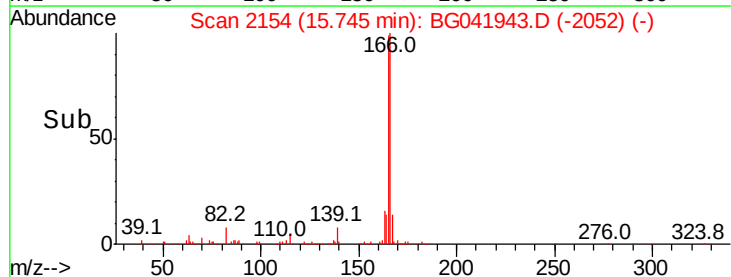
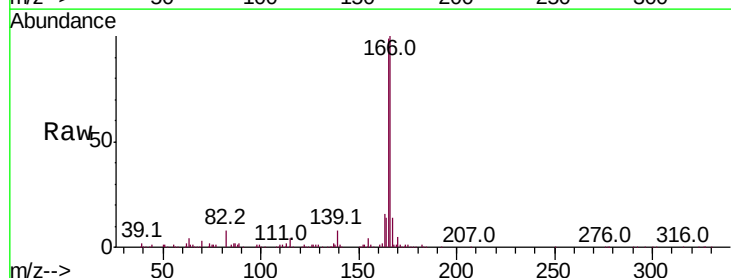
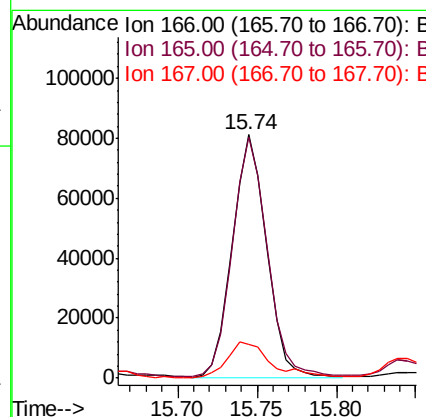
Manual Integrations
APPROVED

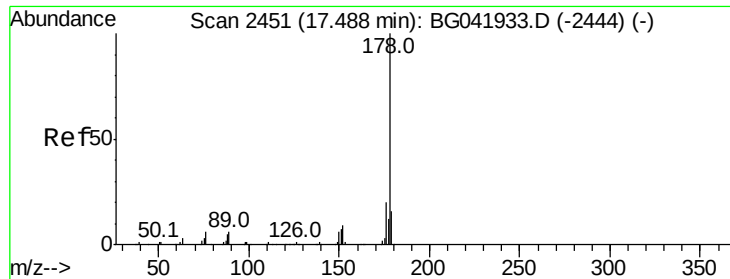
mohammad
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#58
Fluorene
Concen: 6.541 ng/ul
RT: 15.74 min Scan# 2154
Delta R.T. 0.00 min
Lab File: BG041943.D
Acq: 4 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.1	121.7
167	14.1	11.0	16.4





#69

Phenanthrene

Concen: 54.120 ng/ul

RT: 17.50 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

Instrument :

BNA_G

ClientSampleId :

BENQ1DL

Tot Ion:178 Resp: 1429313

Ion Ratio Lower Upper

178 100

179 18.2 12.8 19.2

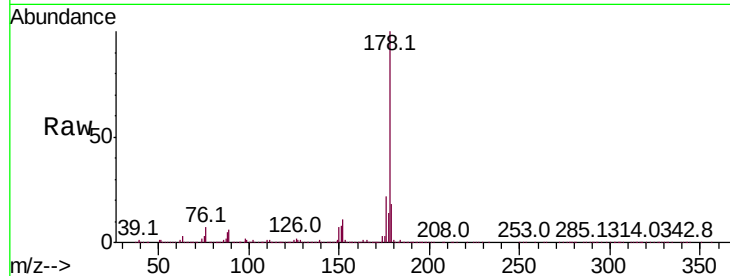
176 22.1 15.4 23.2

Manual Integrations

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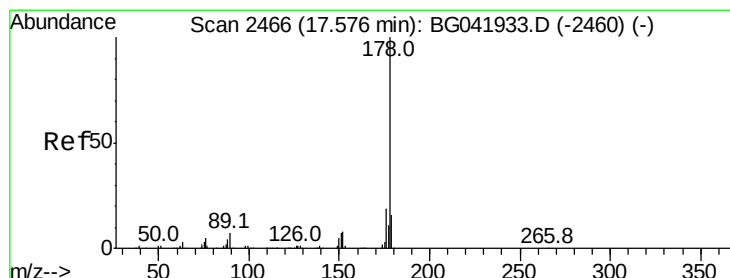
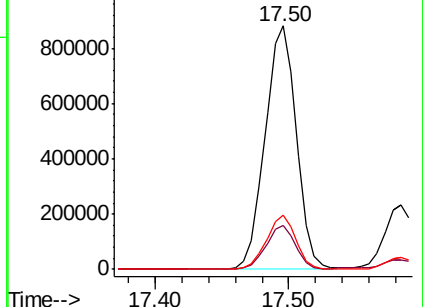
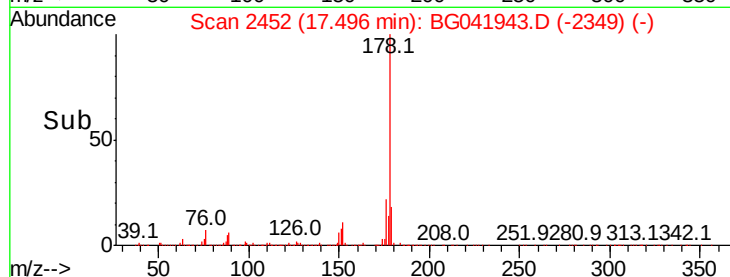
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 13.241 ng/ul

RT: 17.58 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

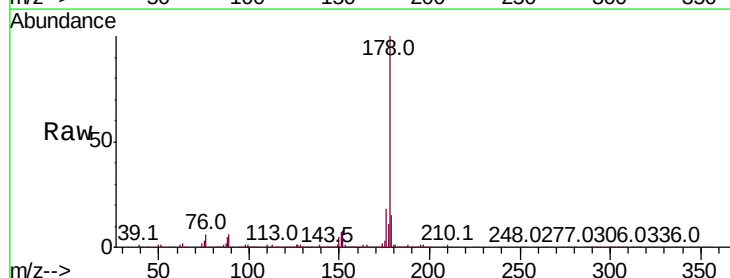
Tgt Ion:178 Resp: 354681

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.0

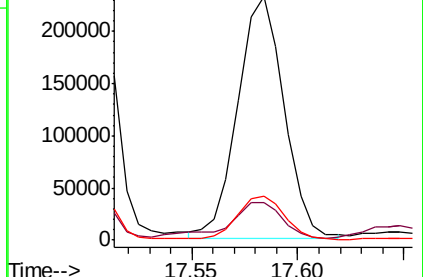
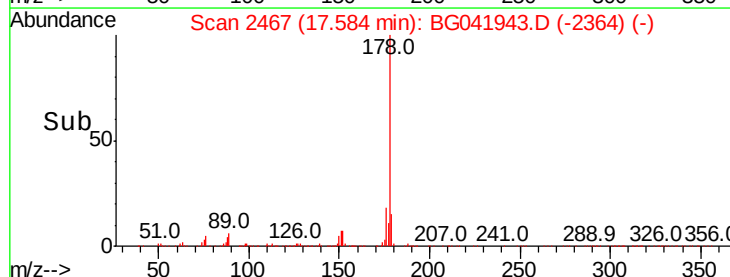
176 18.0 15.4 23.2

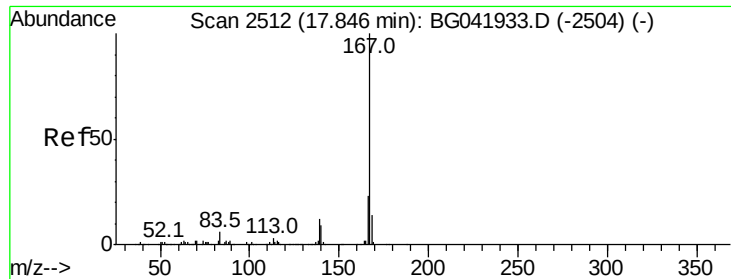


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.093 ng/ul

RT: 17.85 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

Instrument :

BNA_G

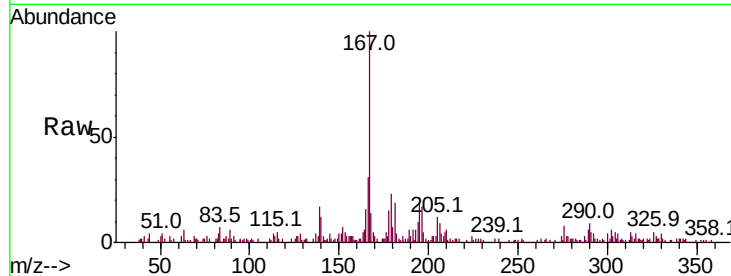
ClientSampleId :

BENQ1DL

Tot Ion:	167	Resp:	24243
Ion Ratio	Lower	Upper	
167	100		
166	31.2	18.2	27.4#
139	17.2	9.6	14.4#

Manual Integrations
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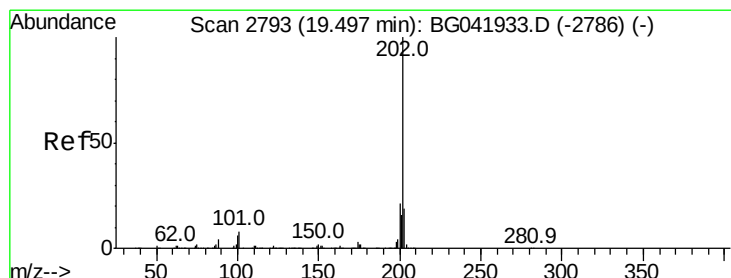
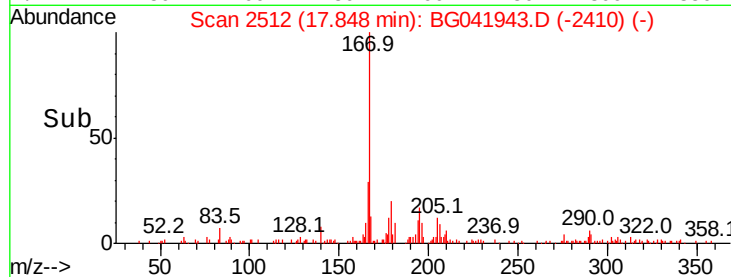
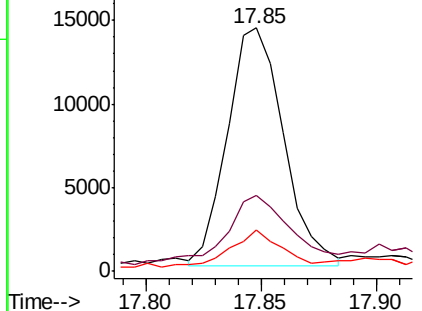
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 34.370 ng/ul

RT: 19.50 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BG041943.D

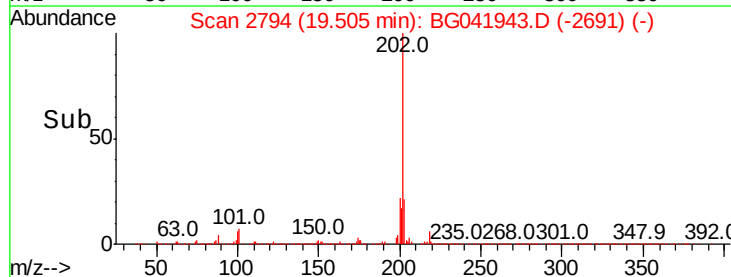
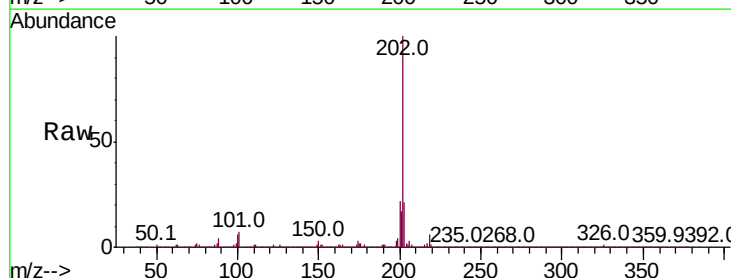
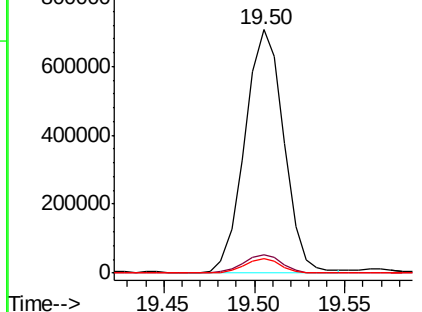
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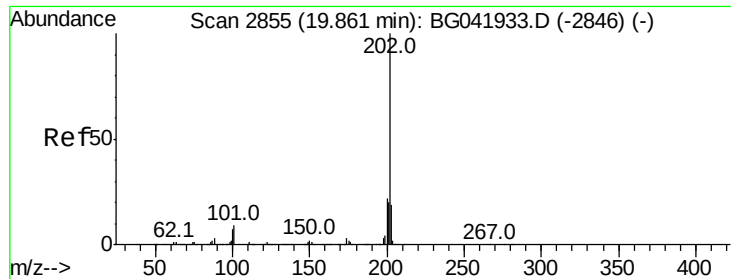
Tgt Ion:	202	Resp:	1048790
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.7	10.1
100	5.8	5.3	7.9

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





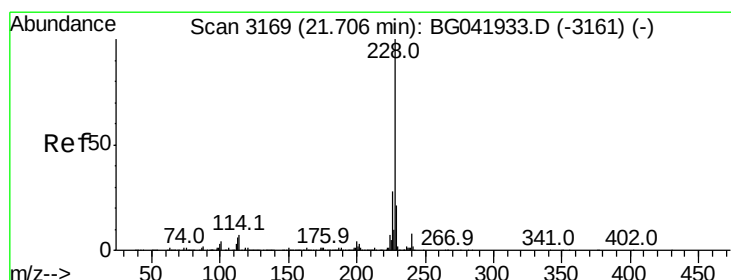
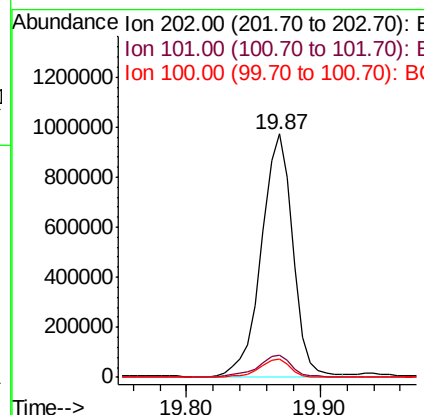
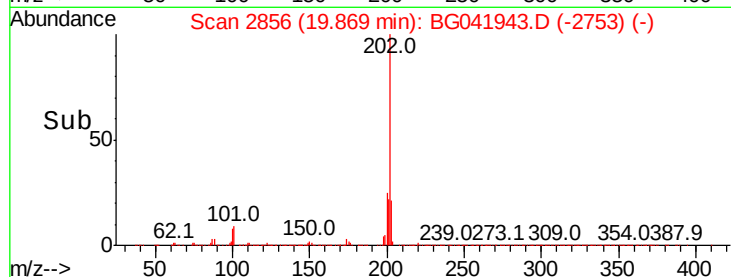
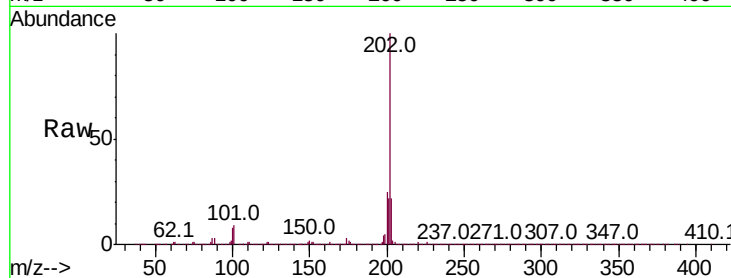
#79
 Pvrene
 Concen: 49.375 ng/ul
 RT: 19.87 min Scan# 2856
 Delta R.T. 0.01 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.6	11.4
100	7.7	6.5	9.7

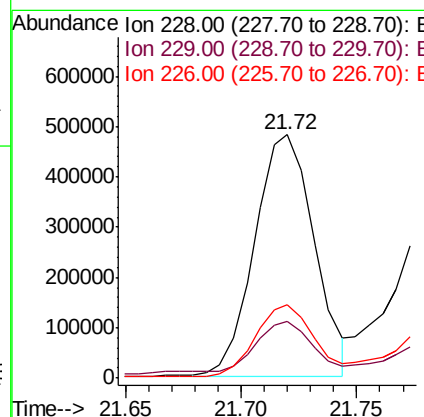
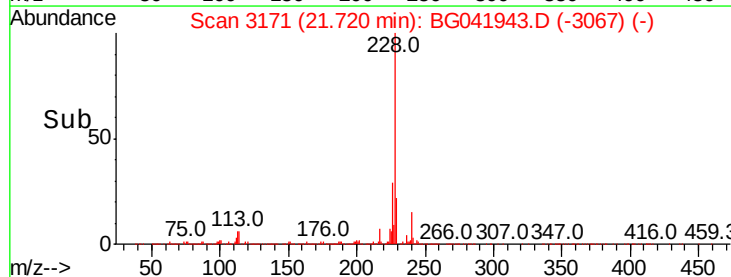
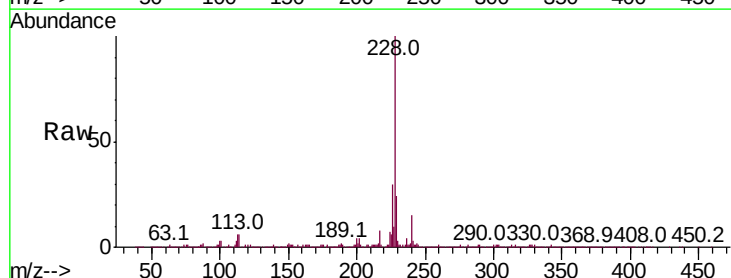
Manual Integrations
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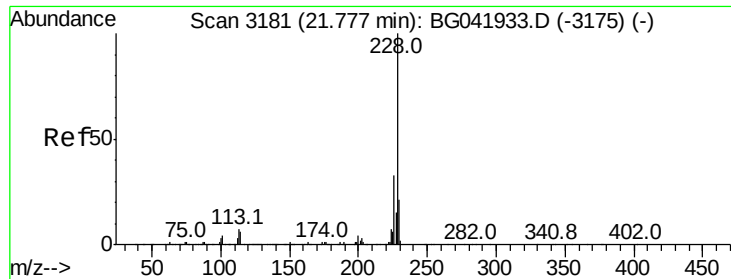
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#82
 Benzo(a)anthracene
 Concen: 26.221 ng/ul
 RT: 21.72 min Scan# 3171
 Delta R.T. 0.01 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.5	17.0	25.6
226	30.1	23.3	34.9





#84

Chrysene

Concen: 29.358 ng/ul

RT: 21.78 min Scan# 3182

Delta R.T. 0.01 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

Instrument :

BNA_G

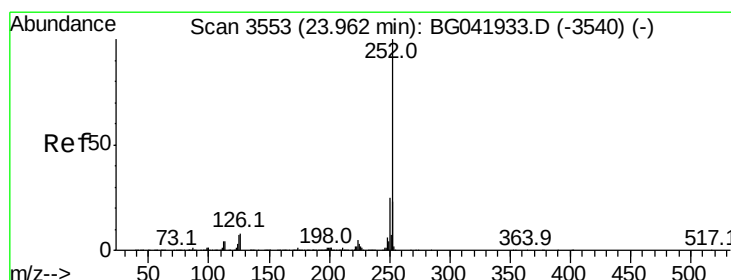
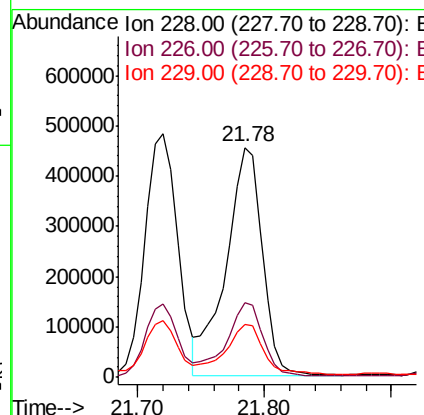
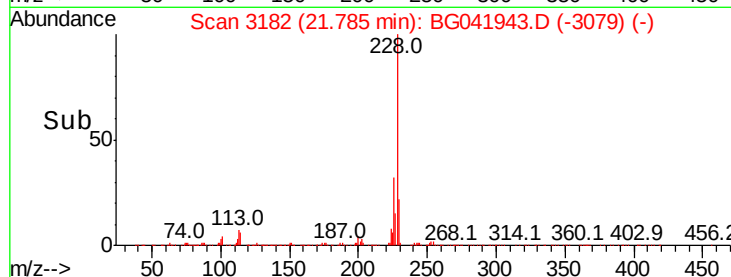
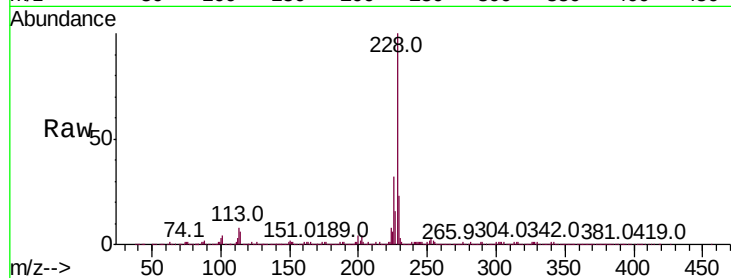
ClientSampleId :

BENQ1DL

Tot Ion:	228	Resp:	903421
Ion Ratio	Lower	Upper	
228	100		
226	32.4	25.7	38.5
229	23.0	16.6	24.8

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#87

Benzo(b)fluoranthene

Concen: 20.103 ng/ul

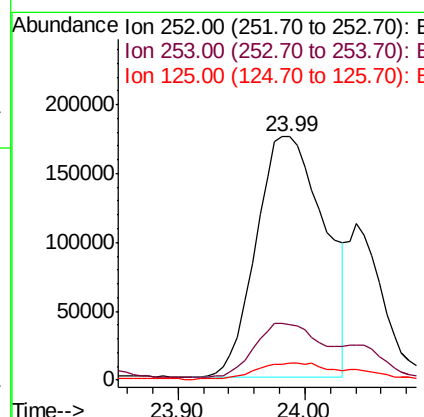
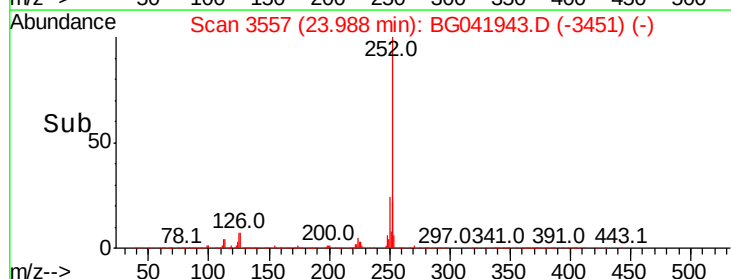
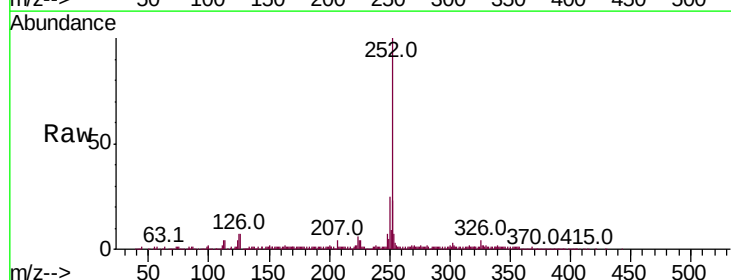
RT: 23.99 min Scan# 3557

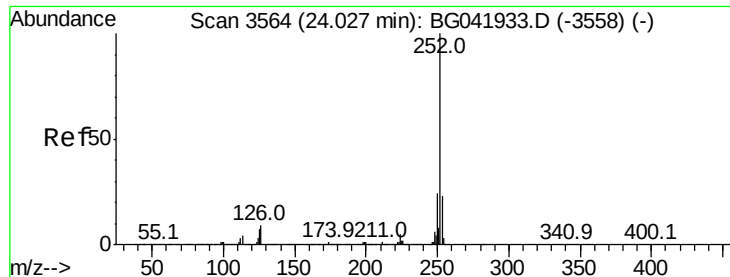
Delta R.T. 0.03 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

Tgt Ion:	252	Resp:	655287
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.4	27.6
125	7.2	5.8	8.8





#88

Benzo(k)fluoranthene

Concen: 5.816 ng/ul m

RT: 24.04 min Scan# 3566

Delta R.T. 0.01 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

Instrument :

BNA_G

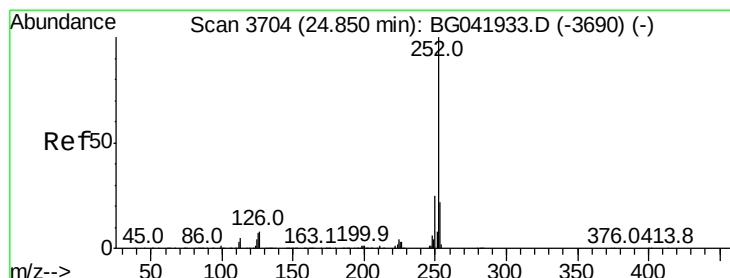
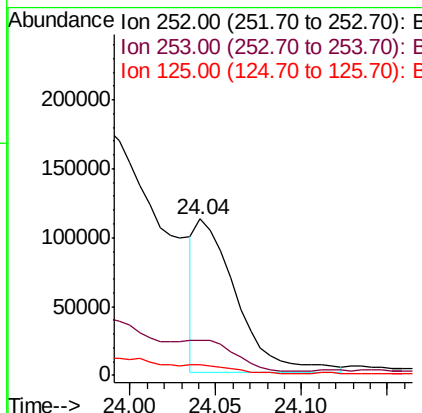
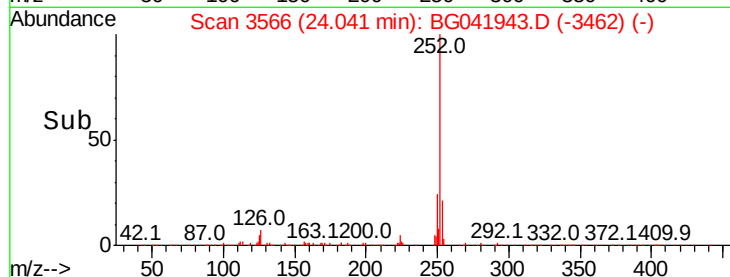
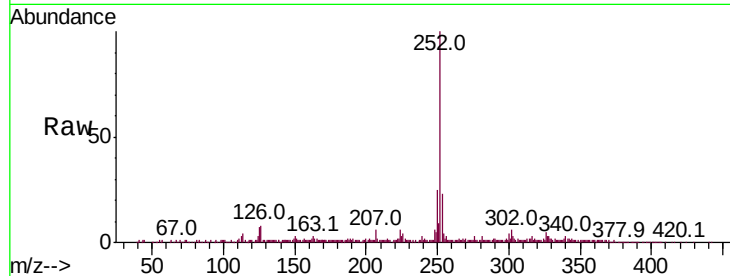
ClientSampleId :

BENQ1DL

Tot Ion:	252	Resp:	182292
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.3	27.5
125	6.7	5.5	8.3

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#90

Benzo(a)pyrene

Concen: 19.536 ng/ul

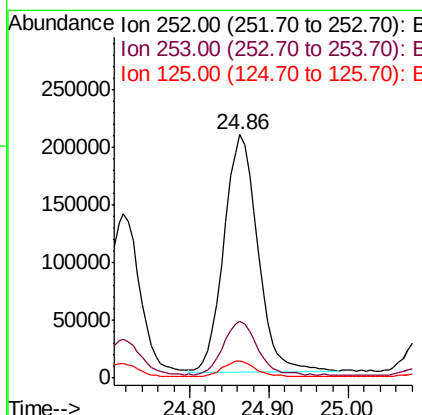
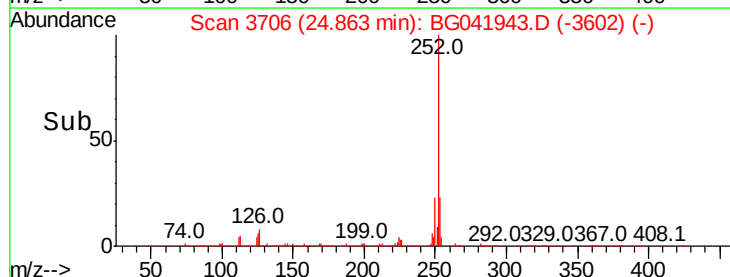
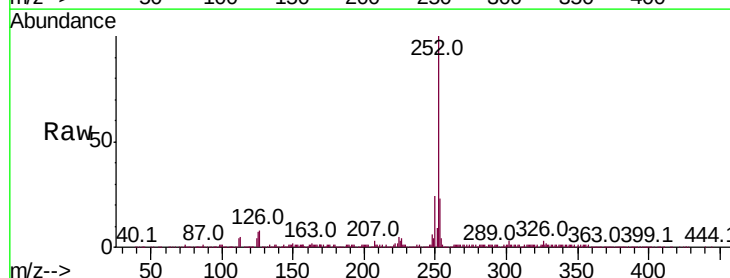
RT: 24.86 min Scan# 3706

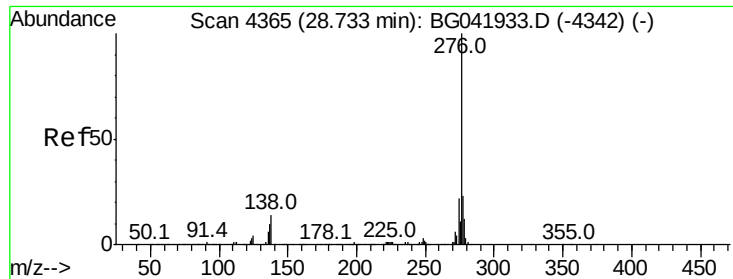
Delta R.T. 0.01 min

Lab File: BG041943.D

Acq: 4 Aug 2019 15:03

Tgt Ion:	252	Resp:	606824
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.3	27.5
125	6.8	6.5	9.7





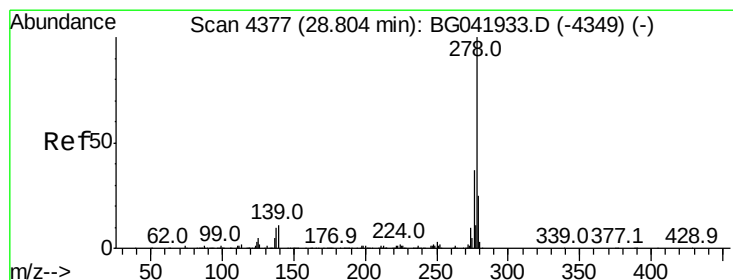
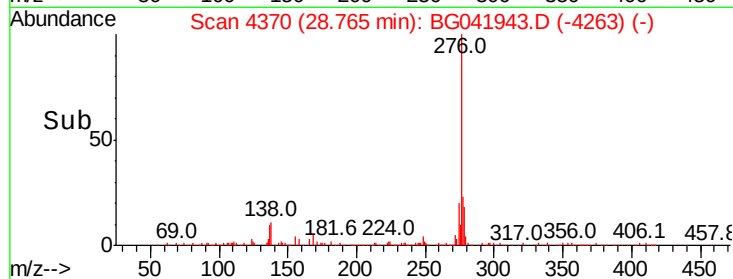
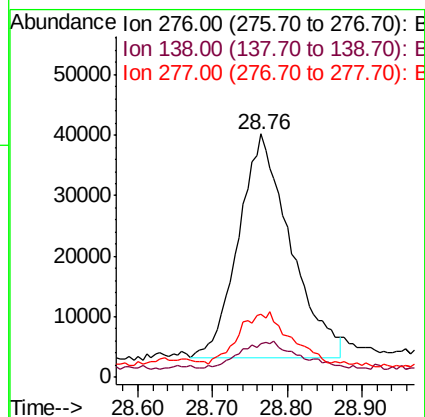
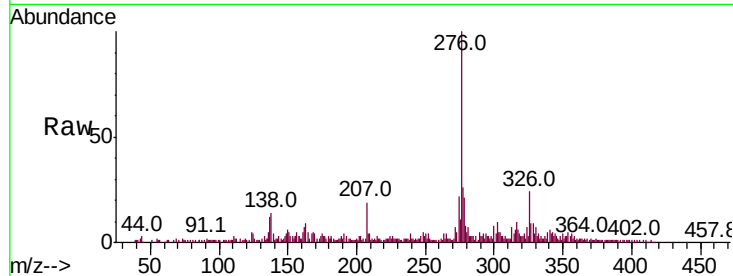
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 4.914 ng/ul
 RT: 28.76 min Scan# 4370
 Delta R.T. 0.03 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Instrument :
 BNA_G
 ClientSampleID :
 BENQ1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.1	12.0	18.0
277	26.0	19.2	28.8

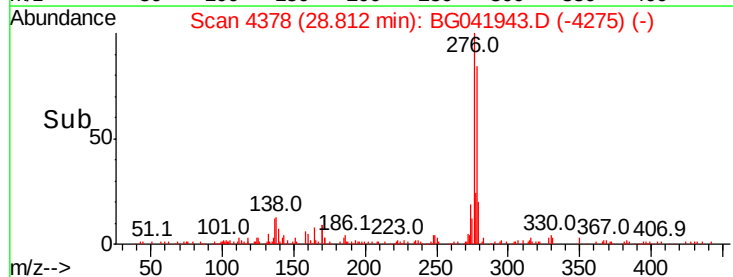
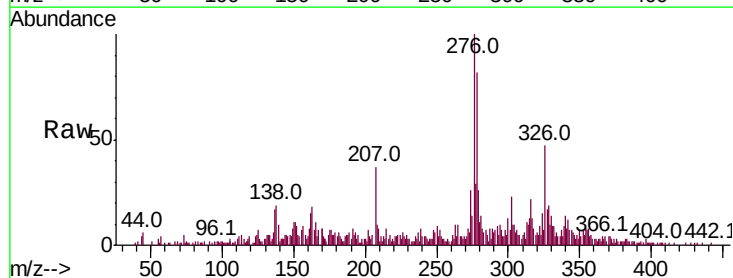
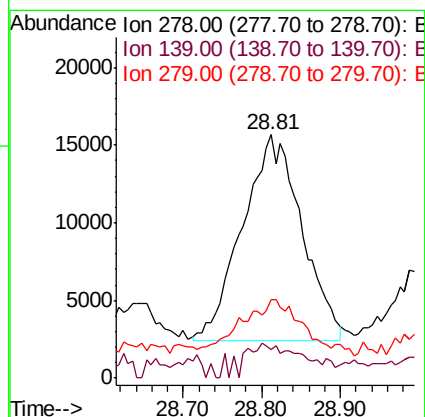
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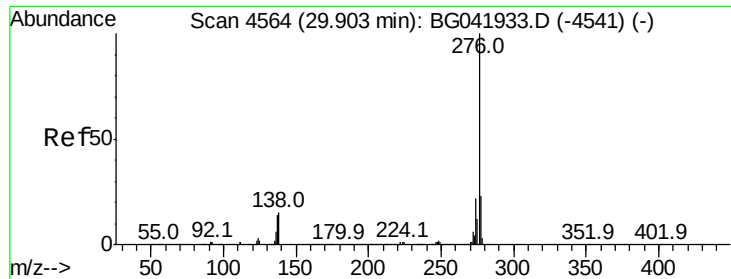
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#92
 Dibenzo(a,h)anthracene
 Concen: 2.339 ng/ul m
 RT: 28.81 min Scan# 4378
 Delta R.T. 0.01 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.8	9.4	14.0
279	32.5	19.2	28.8#





#93
 Benzo(a,h,i)perylene
 Concen: 5.553 ng/ul
 RT: 29.94 min Scan# 4570
 Delta R.T. 0.04 min
 Lab File: BG041943.D
 Acq: 4 Aug 2019 15:03

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.4	12.6	18.8
277	25.6	19.2	28.8

Manual Integrations
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