

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041944.D
 Acq On : 4 Aug 2019 15:41
 Operator : HP/JU
 Sample : K3850-09DL 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3DL

Manual Integrations
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mohammad
 8/6/2019 12:18:46 PM

Quant Time: Aug 05 04:15:01 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	83410	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	334459	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	214385	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	435632	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	428873	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	467385	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.19	99	30012	4.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	18855	5.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	28178	5.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	25782	4.69	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	15095	6.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	17474	5.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	31260	5.30	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	36670	5.60	ng/ul	0.01
43) Dimethylphthalate-d6	14.09	166	103877	6.25	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	132837	6.99	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	10331	3.70	ng/ul	0.02
57) Fluorene-d10	15.69	176	94768	6.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.81	200	5302	1.90	ng/ul	0.00
70) Anthracene-d10	17.55	188	142139	6.80	ng/ul	0.00
78) Pyrene-d10	19.84	212	158404	6.62	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	158509	6.49	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.91	128	51494	3.012 ng/ul	97
34) 2-Methylnaphthalene	12.52	142	53239	3.917 ng/ul	94
49) Acenaphthene	14.76	153	85110	6.350 ng/ul	99
58) Fluorene	15.74	166	72680	4.511 ng/ul	97
69) Phenanthrene	17.49	178	1004065	42.101 ng/ul	98
71) Anthracene	17.58	178	231541	9.572 ng/ul	98
76) Fluoranthene	19.50	202	761998	27.653 ng/ul	97
79) Pyrene	19.87	202	1164816	40.377 ng/ul	98
82) Benzo(a)anthracene	21.72	228	634650	21.343 ng/ul	99
84) Chrysene	21.78	228	660262	23.790 ng/ul	98
87) Benzo(b)fluoranthene	23.98	252	457764	15.607 ng/ul	100
88) Benzo(k)fluoranthene	24.04	252	174263m	6.179 ng/ul	
90) Benzo(a)pyrene	24.86	252	436215	15.607 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.76	276	139097	4.267 ng/ul	97
92) Dibenzo(a,h)anthracene	28.80	278	56909m	2.140 ng/ul	
93) Benzo(g,h,i)perylene	29.92	276	134189	4.930 ng/ul#	96

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

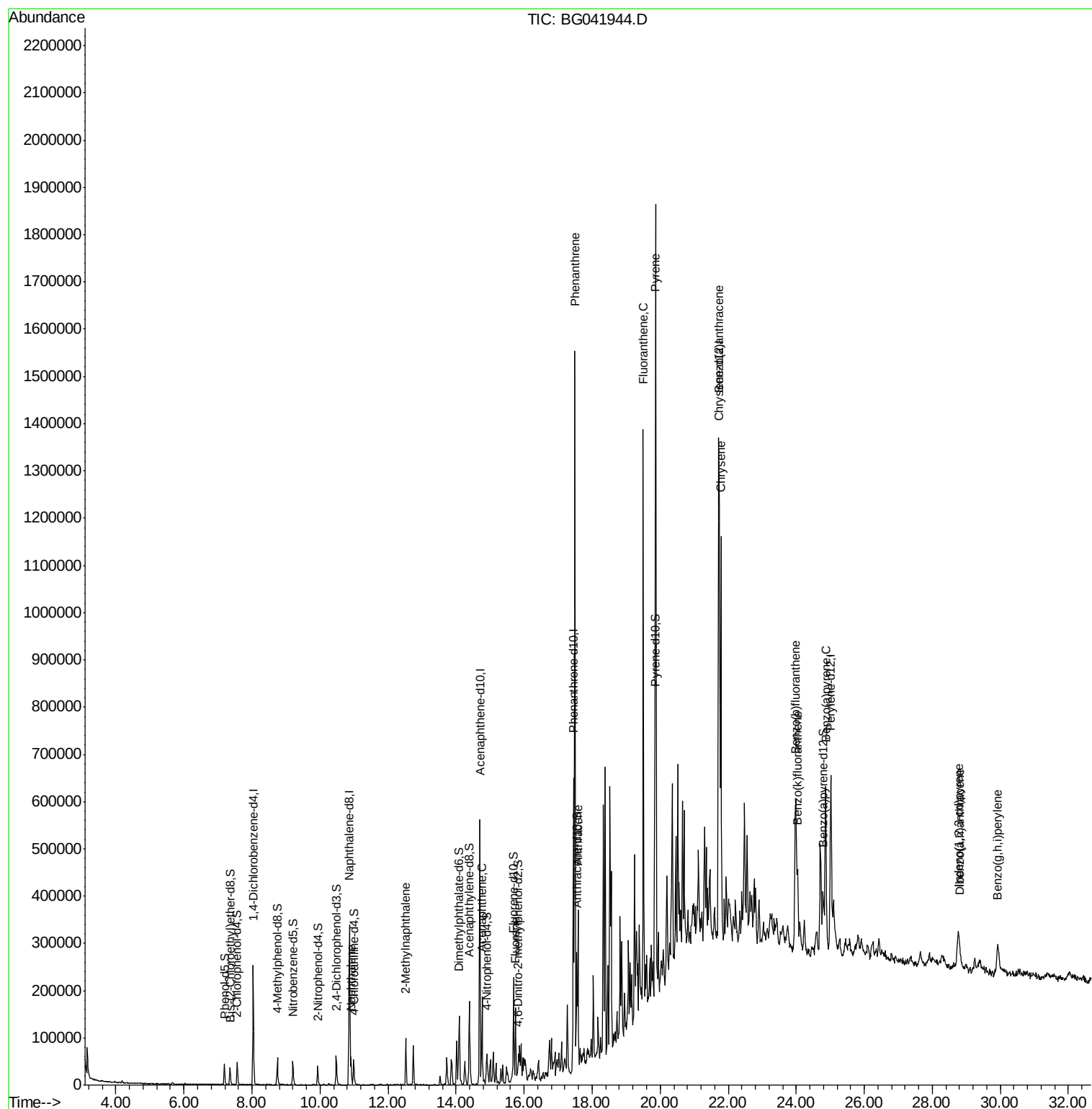
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041944.D
Acq On : 4 Aug 2019 15:41
Operator : HP/JU
Sample : K3850-09DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

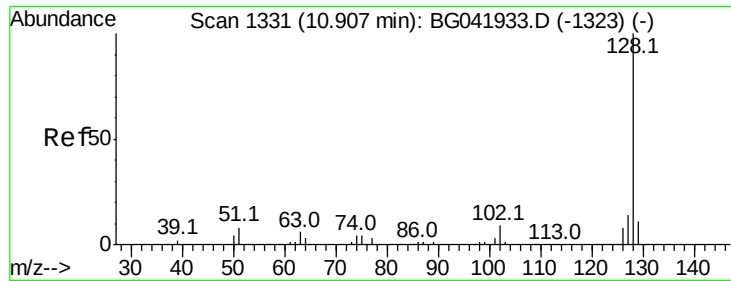
Instrument :
BNA_G
ClientSampleId :
BENQ3DL

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Quant Time: Aug 05 04:15:01 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





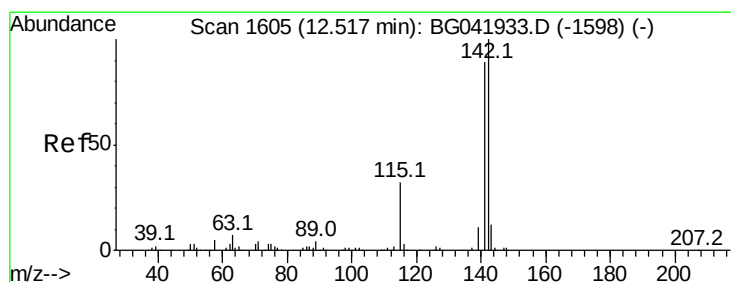
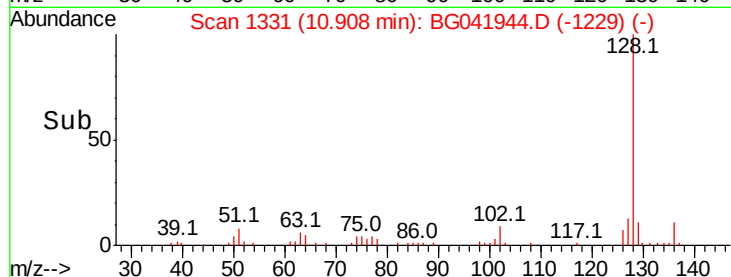
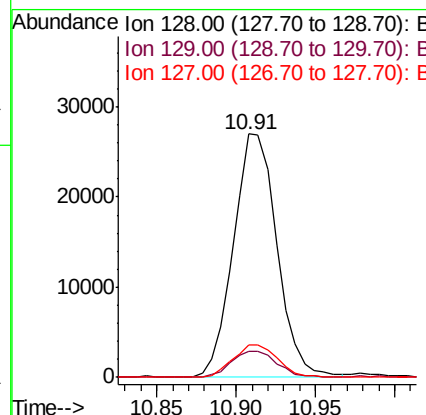
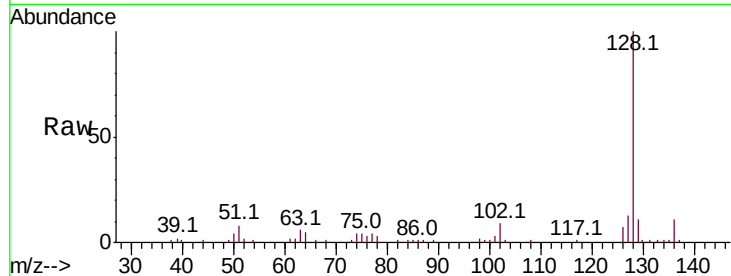
#28
Naphthalene
Concen: 3.012 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041944.D
Acq: 4 Aug 2019 15:41

Instrument :
BNA_G
ClientSampleId :
BENQ3DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.5	14.3
127	13.4	11.4	17.0

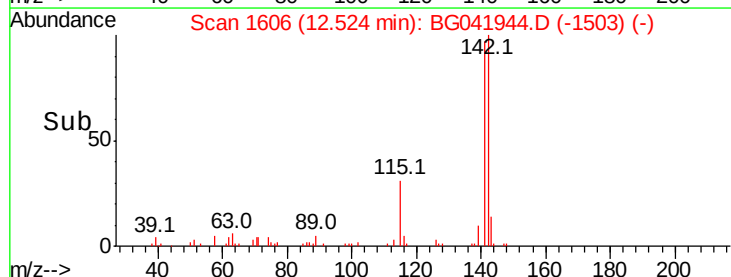
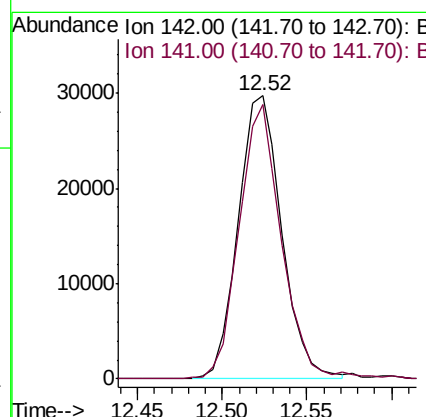
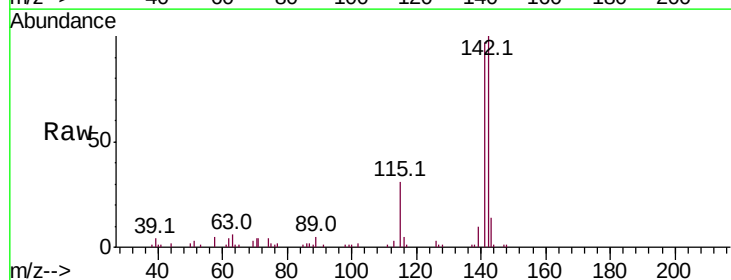
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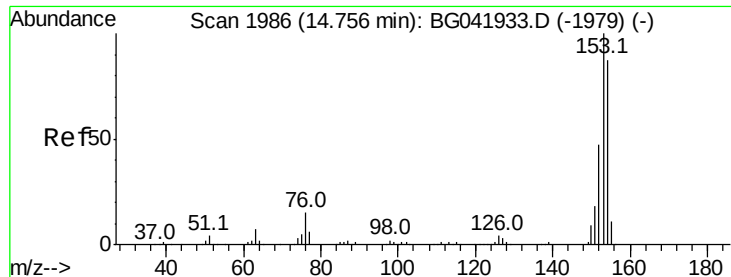
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#34
2-Methylnaphthalene
Concen: 3.917 ng/ul
RT: 12.52 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BG041944.D
Acq: 4 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.0	72.9	109.3





#49

Acenaphthene

Concen: 6.350 ng/ul

RT: 14.76 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BG041944.D

Acq: 4 Aug 2019 15:41

Instrument :

BNA_G

ClientSampleId :

BENQ3DL

Tot Ion:153 Resp: 85110

Ion Ratio Lower Upper

153 100

152 47.2 37.8 56.8

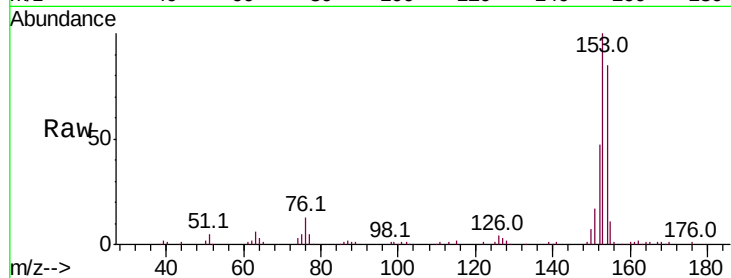
154 85.3 69.4 104.2

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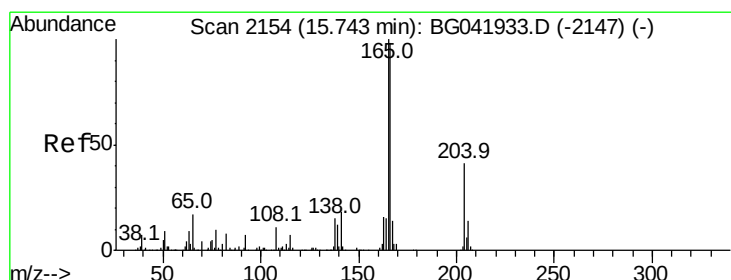
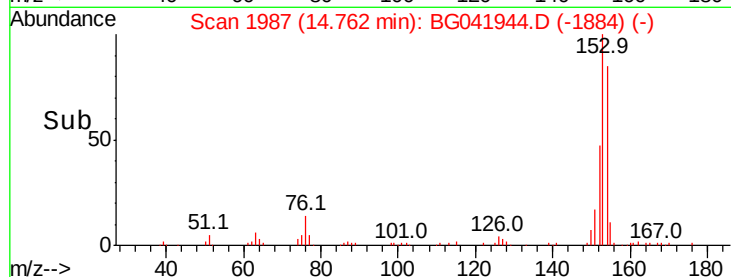
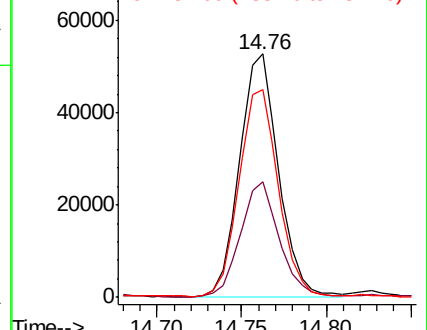
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 4.511 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041944.D

Acq: 4 Aug 2019 15:41

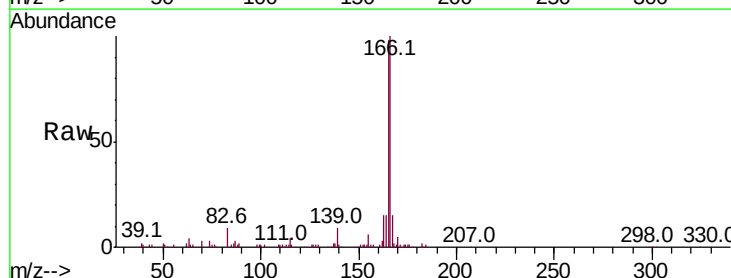
Tgt Ion:166 Resp: 72680

Ion Ratio Lower Upper

166 100

165 98.3 81.1 121.7

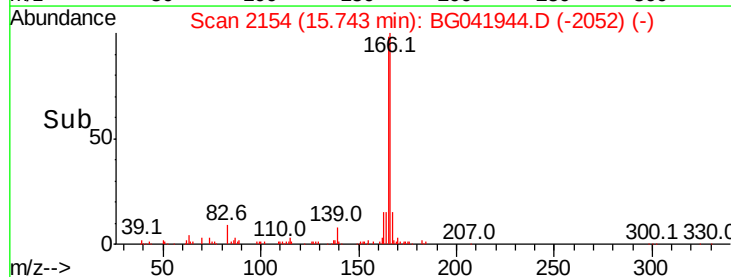
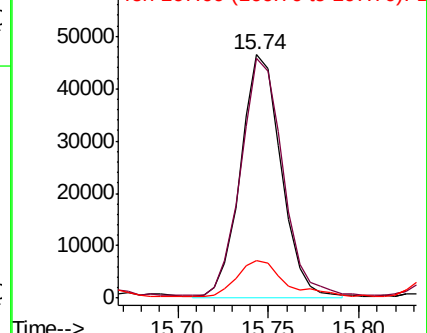
167 15.3 11.0 16.4

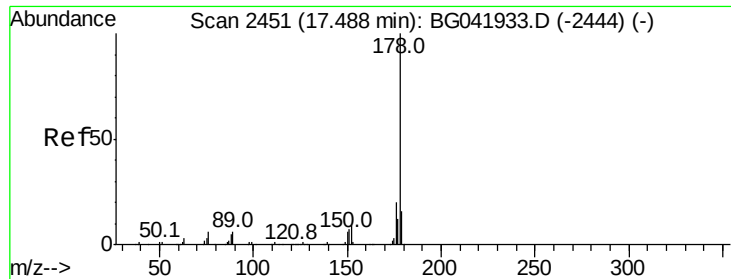


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





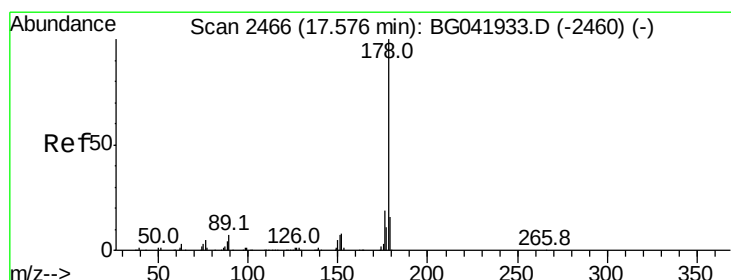
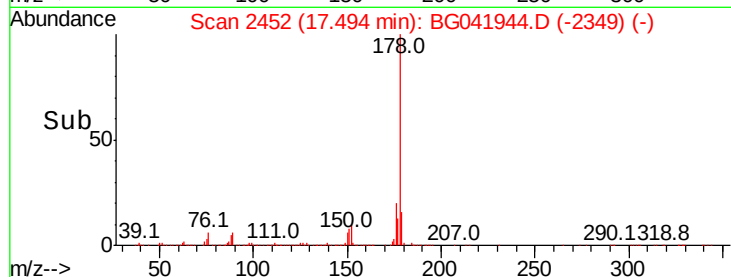
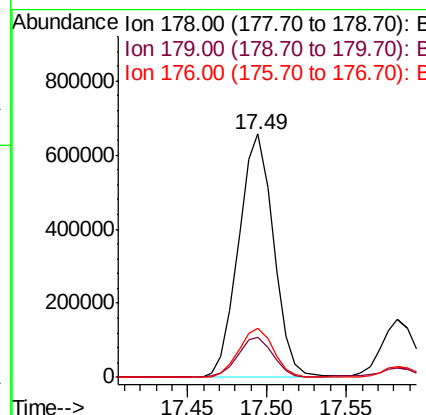
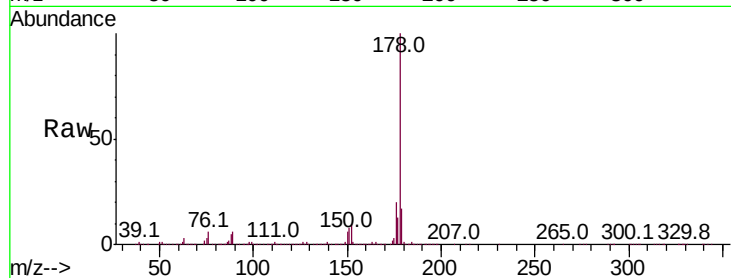
#69
 Phenanthrene
 Concen: 42.101 ng/ul
 RT: 17.49 min Scan# 2452
 Delta R.T. 0.01 min
 Lab File: BG041944.D
 Acq: 4 Aug 2019 15:41

Instrument :
 BNA_G
 ClientSampleID :
 BENQ3DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	20.3	15.4	23.2

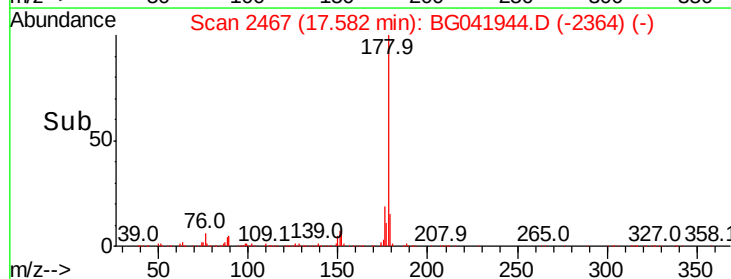
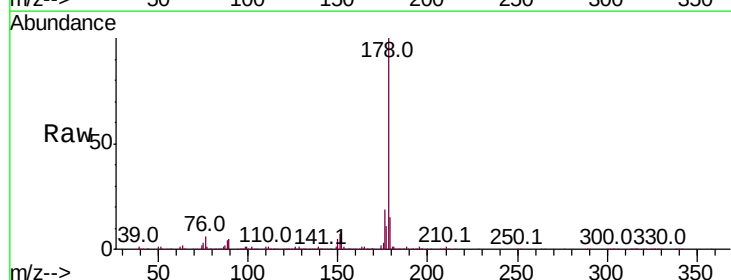
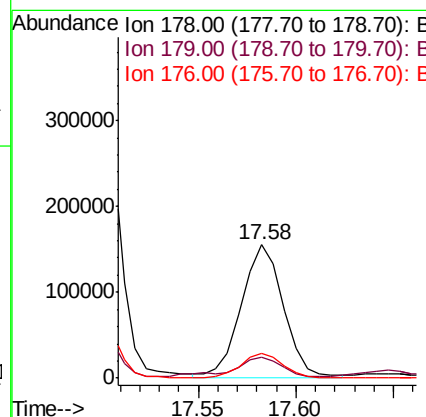
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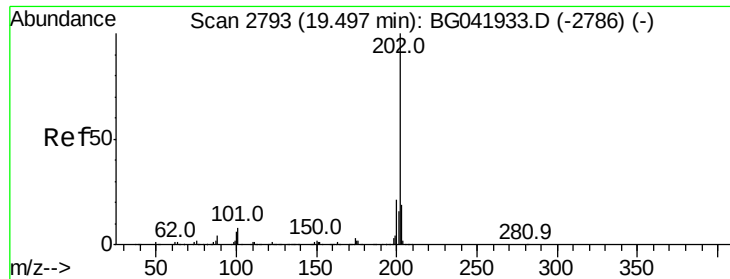
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#71
 Anthracene
 Concen: 9.572 ng/ul
 RT: 17.58 min Scan# 2467
 Delta R.T. 0.01 min
 Lab File: BG041944.D
 Acq: 4 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.4	20.0
176	18.6	15.4	23.2





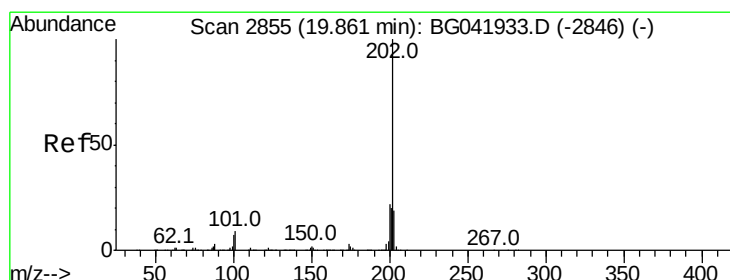
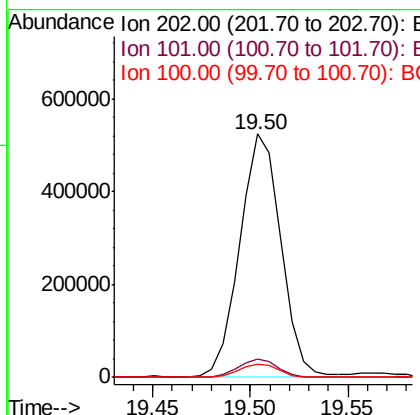
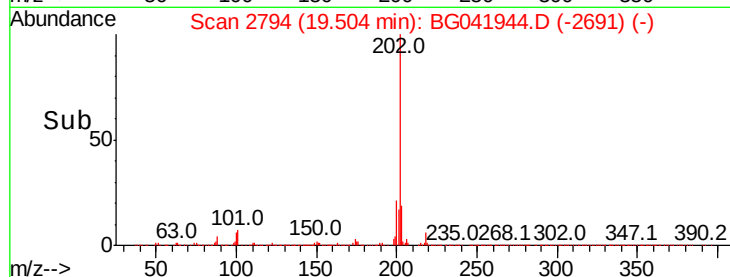
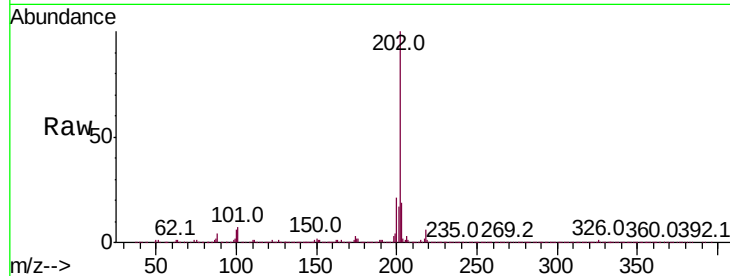
#76
 Fluoranthene
 Concen: 27.653 ng/ul
 RT: 19.50 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: BG041944.D
 Acq: 4 Aug 2019 15:41

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.5	6.7	10.1
100	5.5	5.3	7.9

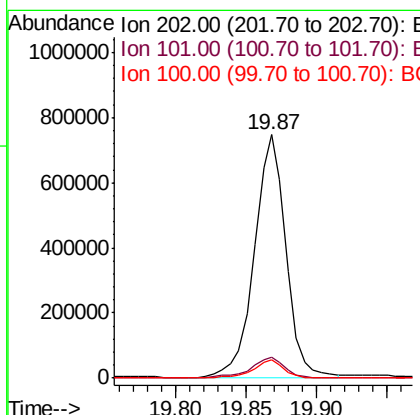
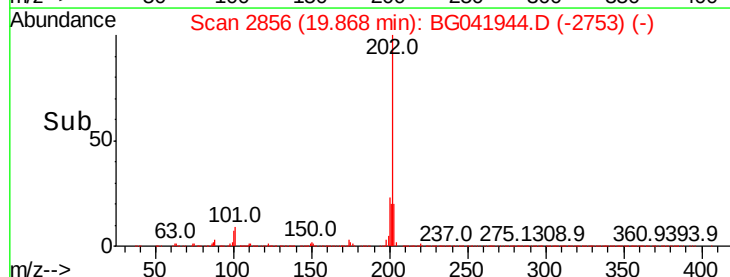
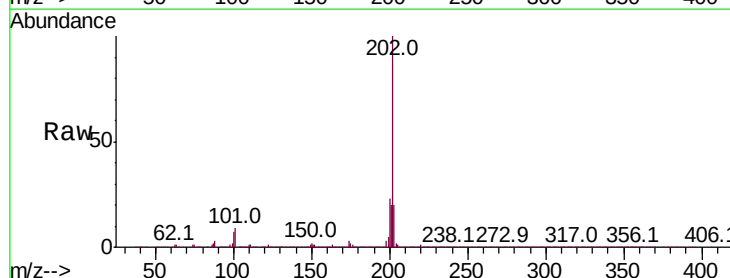
Manual Integrations
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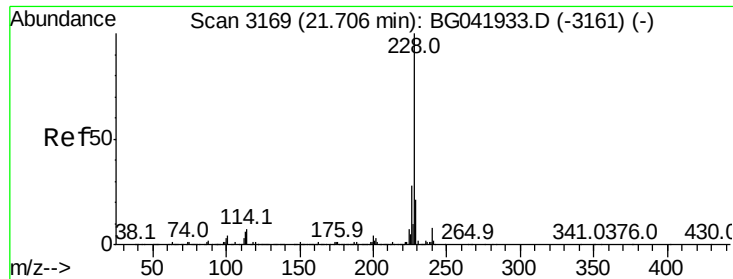
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#79
 Pyrene
 Concen: 40.377 ng/ul
 RT: 19.87 min Scan# 2856
 Delta R.T. 0.01 min
 Lab File: BG041944.D
 Acq: 4 Aug 2019 15:41

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.6	7.6	11.4
100	7.4	6.5	9.7





#82

Benzo(a)anthracene

Concen: 21.343 ng/ul

RT: 21.72 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BG041944.D

Acq: 4 Aug 2019 15:41

Instrument :

BNA_G

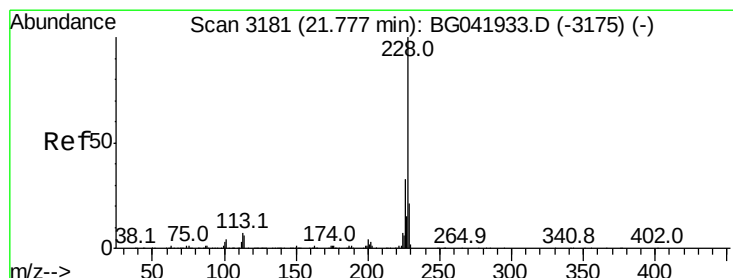
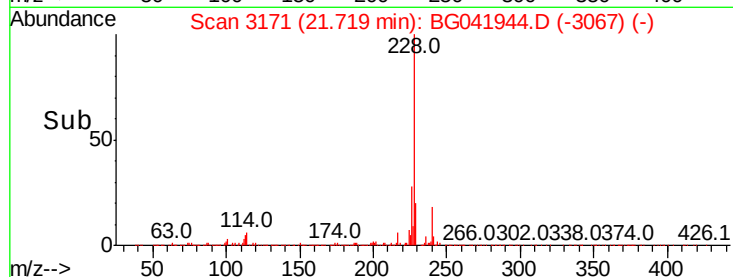
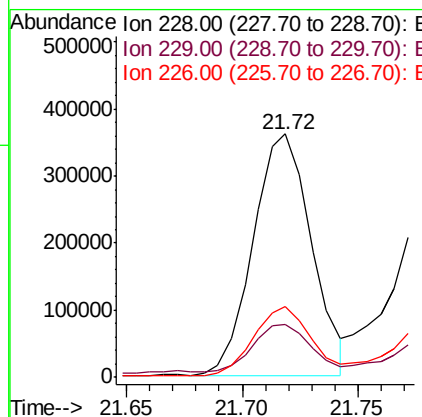
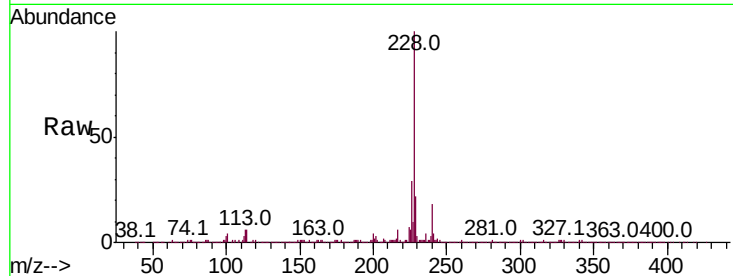
ClientSampleID :

BENQ3DL

Tot Ion:	228	Resp:	634650
Ion Ratio		Lower	Upper
228	100		
229	21.9	17.0	25.6
226	28.9	23.3	34.9

Manual Integrations
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#84

Chrysene

Concen: 23.790 ng/ul

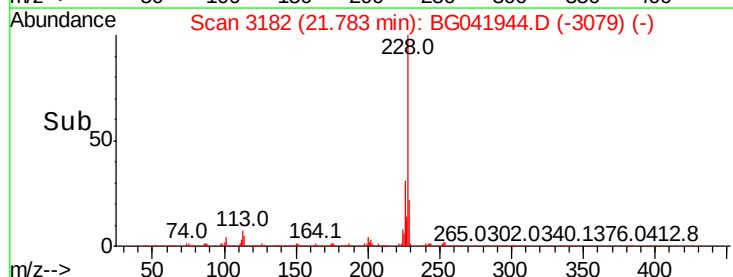
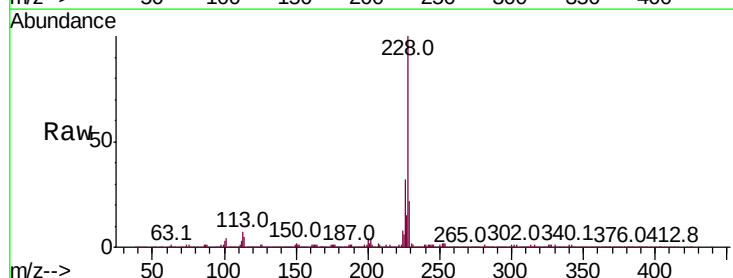
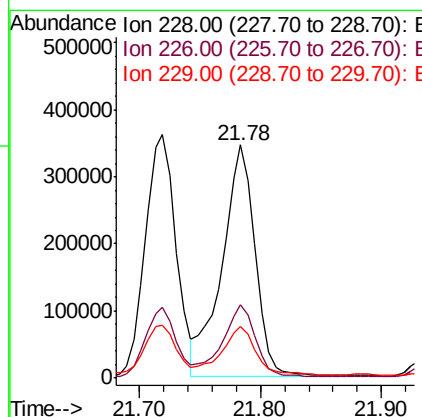
RT: 21.78 min Scan# 3182

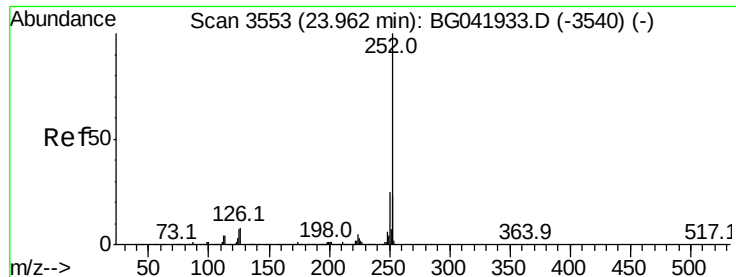
Delta R.T. 0.01 min

Lab File: BG041944.D

Acq: 4 Aug 2019 15:41

Tgt Ion:	228	Resp:	660262
Ion Ratio		Lower	Upper
228	100		
226	31.5	25.7	38.5
229	22.4	16.6	24.8





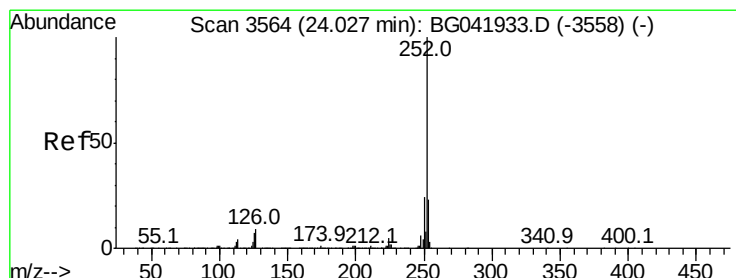
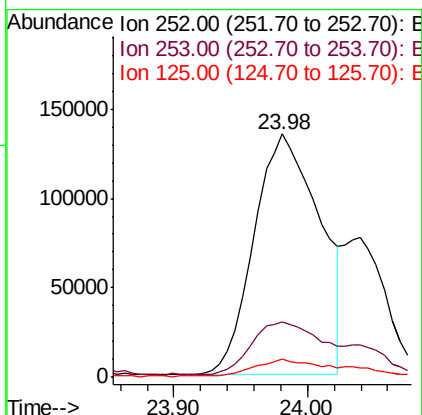
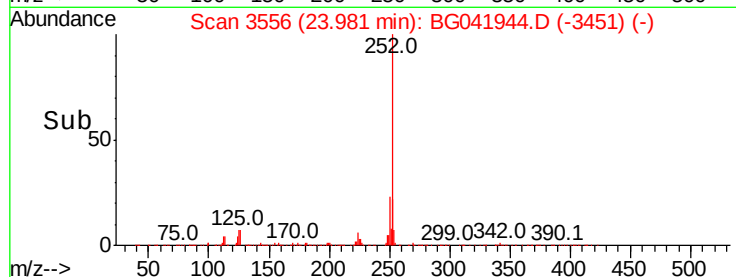
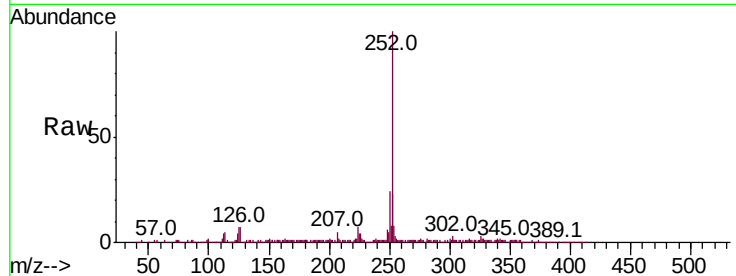
#87
Benzo(b)fluoranthene
Concen: 15.607 ng/ul
RT: 23.98 min Scan# 3556
Delta R.T. 0.02 min
Lab File: BG041944.D
Acq: 4 Aug 2019 15:41

Instrument :
BNA_G
ClientSampleId :
BENQ3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	7.5	5.8	8.8

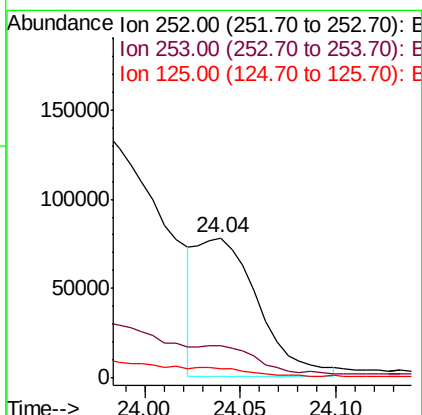
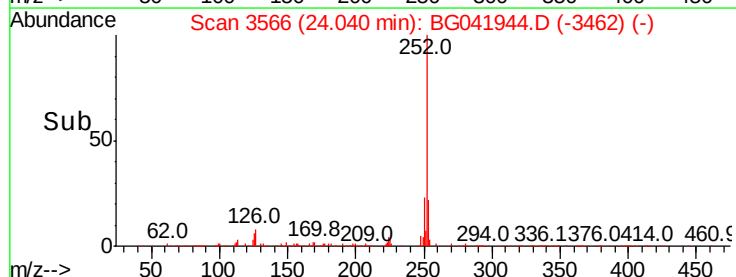
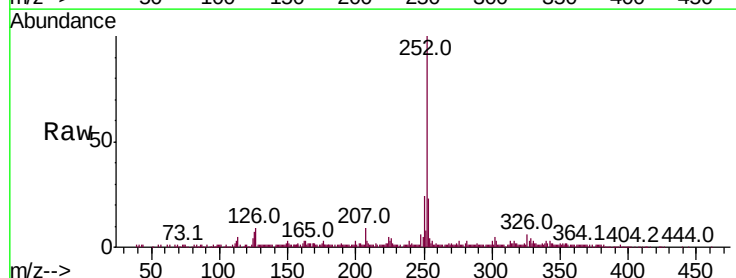
Manual Integrations
APPROVED

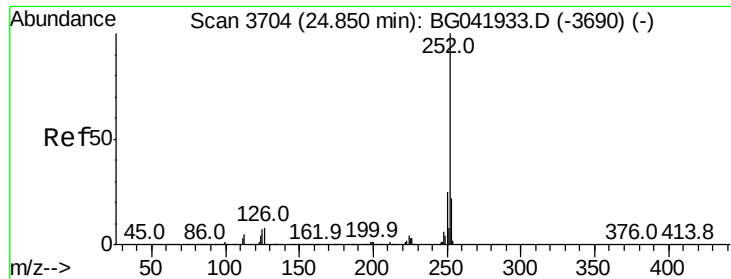
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#88
Benzo(k)fluoranthene
Concen: 6.179 ng/ul m
RT: 24.04 min Scan# 3566
Delta R.T. 0.01 min
Lab File: BG041944.D
Acq: 4 Aug 2019 15:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	6.7	5.5	8.3





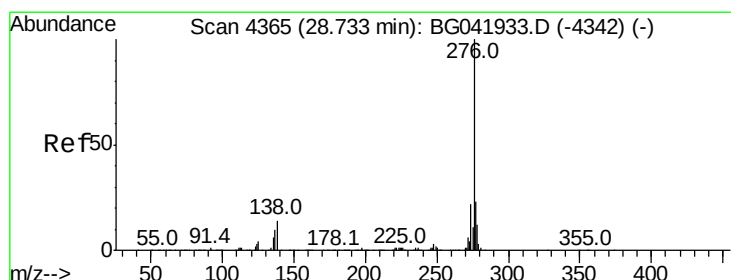
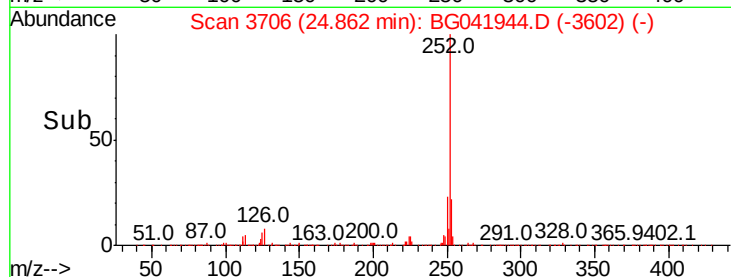
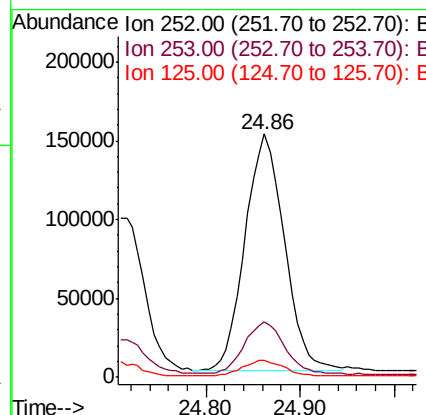
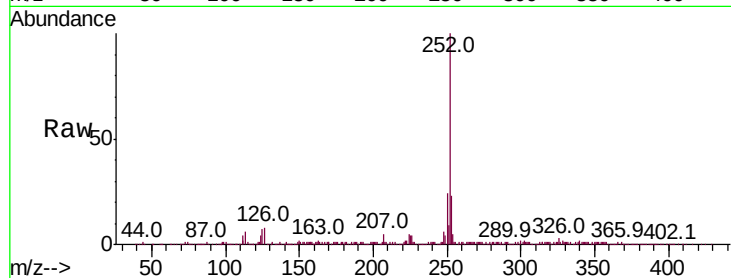
#90
Benzo(a)pyrene
Concen: 15.607 ng/ul
RT: 24.86 min Scan# 3706
Delta R.T. 0.01 min
Lab File: BG041944.D
Acq: 4 Aug 2019 15:41

Instrument :
BNA_G
ClientSampleId :
BENQ3DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	18.3	27.5
125	6.8	6.5	9.7

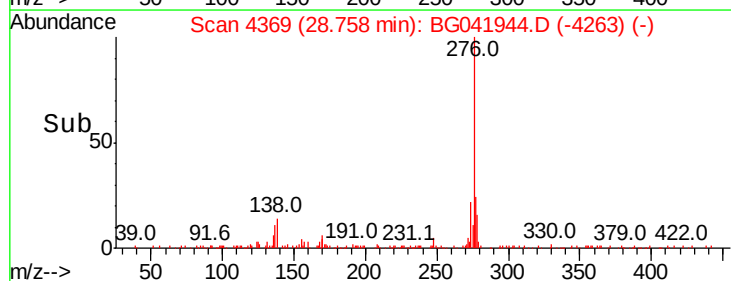
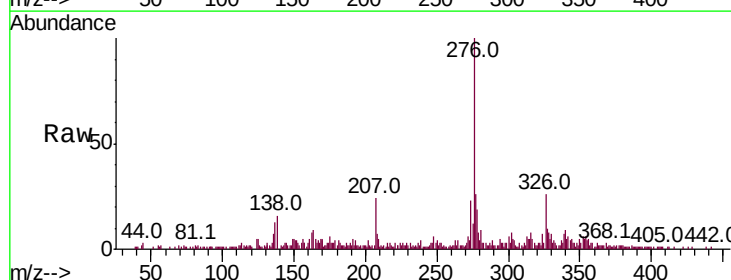
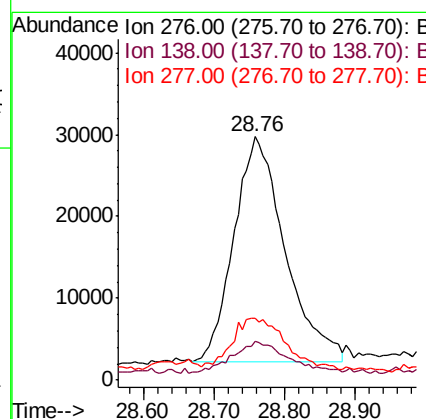
Manual Integrations
APPROVED

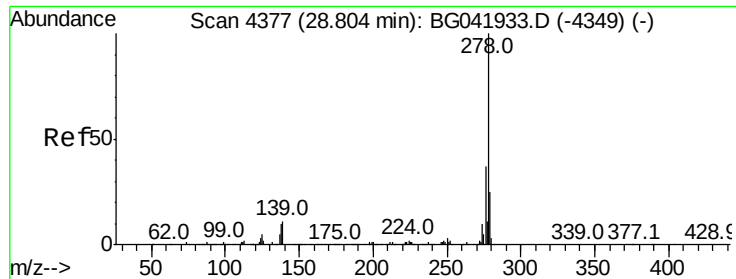
mohammad
8/6/2019 12:18:46 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 4.267 ng/ul
RT: 28.76 min Scan# 4369
Delta R.T. 0.02 min
Lab File: BG041944.D
Acq: 4 Aug 2019 15:41

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.8	12.0	18.0
277	25.6	19.2	28.8





#92

Dibenzo(a,h)anthracene

Concen: 2.140 ng/ul m

RT: 28.80 min Scan# 4376

Delta R.T. -0.01 min

Lab File: BG041944.D

Acq: 4 Aug 2019 15:41

Instrument :

BNA_G

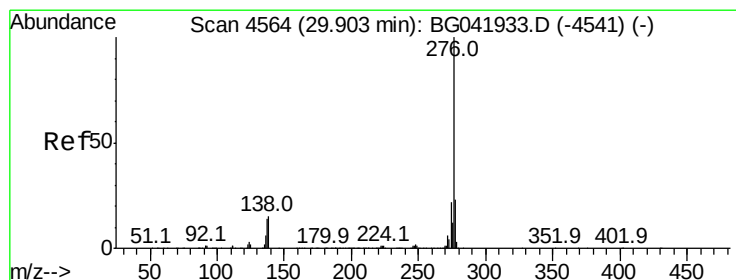
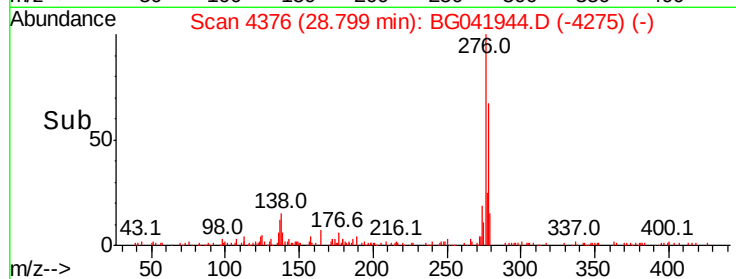
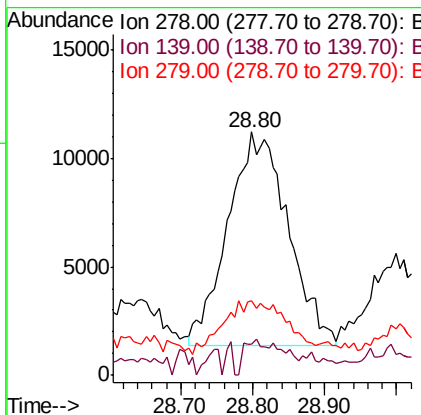
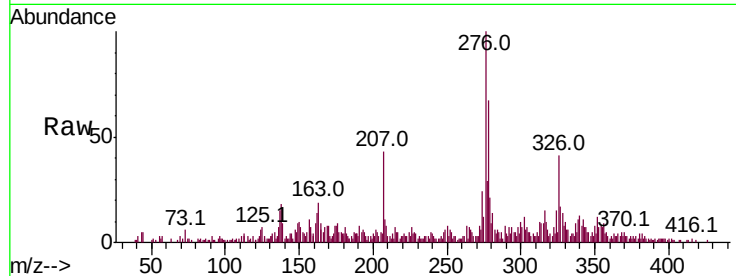
ClientSampled :

BENQ3DL

Tot Ion:	278	Resp:	56909
Ion Ratio	Lower	Upper	
278	100		
139	12.8	9.4	14.0
279	30.8	19.2	28.8#

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:46 PM



#93

Benzo(g,h,i)perylene

Concen: 4.930 ng/ul

RT: 29.92 min Scan# 4567

Delta R.T. 0.02 min

Lab File: BG041944.D

Acq: 4 Aug 2019 15:41

Tgt Ion:	276	Resp:	134189
Ion Ratio	Lower	Upper	
276	100		
138	12.2	12.6	18.8#
277	24.8	19.2	28.8

