

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
 Data File : BG047534.D
 Acq On : 2 Dec 2020 16:45
 Operator : CG/JU
 Sample : L4865-04DL 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B24DL

Manual Integrations
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Quant Time: Dec 02 17:52:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	29380	20.00	ng/ul	-0.01
18) Naphthalene-d8	11.09	136	116959	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.87	164	96382	20.00	ng/ul	-0.02
62) Phenanthrene-d10	17.61	188	235290m	20.00	ng/ul	-0.01
78) Chrysene-d12	21.89	240	220763m	20.00	ng/ul	-0.01
86) Perylene-d12	25.29	264	233148	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	7.39	99	6695	2.27	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.57	67	3958	2.36	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.79	132	5158	2.61	ng/ul	-0.02
13) 4-Methylphenol-d8	8.95	113	4107	1.81	ng/ul	-0.02
19) Nitrobenzene-d5	9.43	128	2882m	2.98	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.17	143	3219m	3.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	6586	2.73	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.21	131	4325	1.77	ng/ul	-0.02
44) Dimethylphthalate-d6	14.27	166	22917	2.77	ng/ul	-0.02
47) Acenaphthylene-d8	14.57	160	27005	2.82	ng/ul	-0.01
52) 4-Nitrophenol-d4	15.04	143	2155	1.71	ng/ul	-0.01
58) Fluorene-d10	15.86	176	22132	2.92	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.71	188	37561	3.22	ng/ul	-0.01
79) Pyrene-d10	19.97	212	41088m	3.20	ng/ul	-0.01
90) Benzo(a)pyrene-d12	25.06	264	43548	3.25	ng/ul	-0.02

Target Compounds

					Ovalue
28) Naphthalene	11.14	128	16390	2.474	ng/ul# 93
34) 2-Methylnaphthalene	12.73	142	7167	1.460	ng/ul# 64
50) Acenaphthene	14.94	153	15912	2.552	ng/ul 87
54) Dibenzofuran	15.27	168	11185	1.222	ng/ul# 74
59) Fluorene	15.92	166	18924	2.453	ng/ul# 89
70) Phenanthrene	17.65	178	305711m	24.060	ng/ul
72) Anthracene	17.74	178	54354	4.248	ng/ul 96
75) Carbazole	18.00	167	34055	3.299	ng/ul 97
77) Fluoranthene	19.64	202	557688	34.754	ng/ul 99
80) Pyrene	20.01	202	480993m	30.758	ng/ul
83) Benzo(a)anthracene	21.88	228	290318m	18.483	ng/ul
85) Chrysene	21.94	228	251674	16.837	ng/ul 99
88) Benzo(b)fluoranthene	24.21	252	368686	22.397	ng/ul 97
89) Benzo(k)fluoranthene	24.28	252	136410m	8.409	ng/ul
91) Benzo(a)pyrene	25.13	252	256190m	17.458	ng/ul
92) Indeno(1,2,3-cd)pyrene	29.20	276	167740	9.397	ng/ul 99
93) Dibenzo(a,h)anthracene	29.24	278	50815m	3.472	ng/ul
94) Benzo(g,h,i)perylene	30.41	276	144732	9.826	ng/ul# 95

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

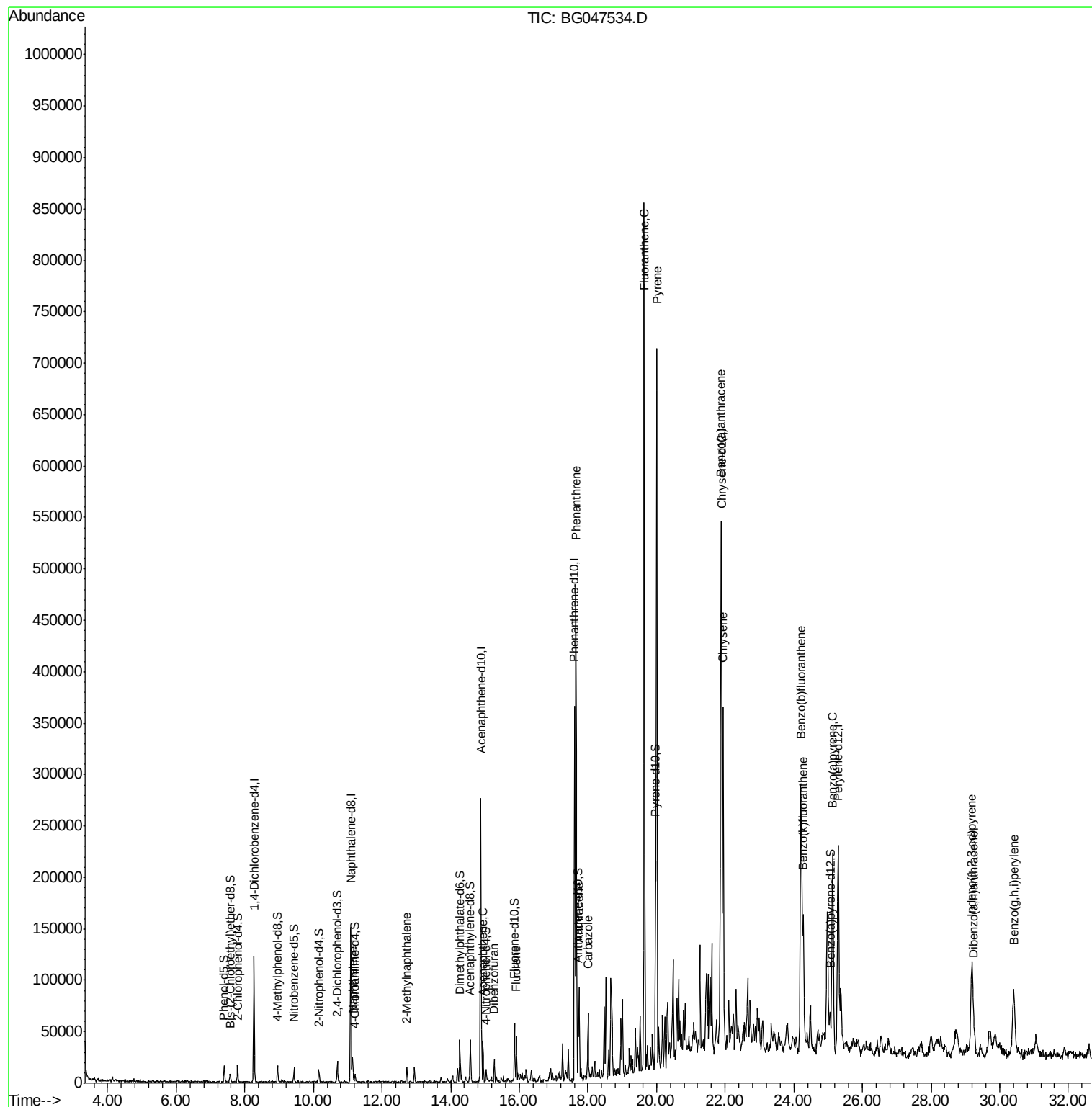
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120120\
Data File : BG047534.D
Acq On : 2 Dec 2020 16:45
Operator : CG/JU
Sample : L4865-04DL 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

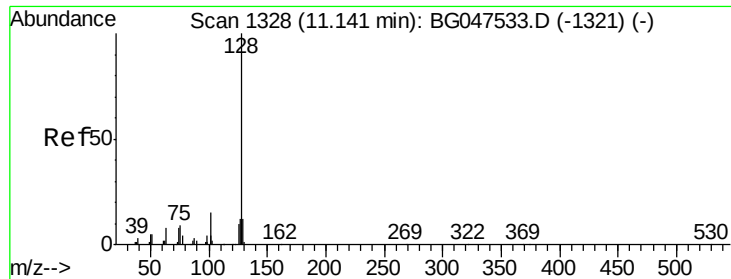
Instrument :
BNA_G
ClientSampleId :
C0B24DL

Quant Time: Dec 02 17:52:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration

Manual Integrations
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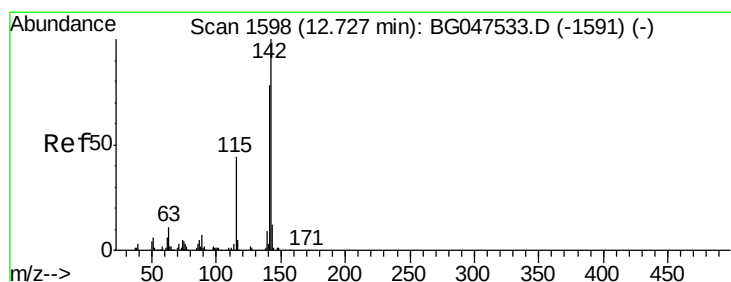
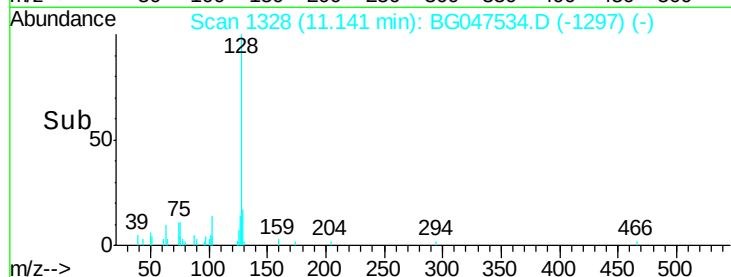
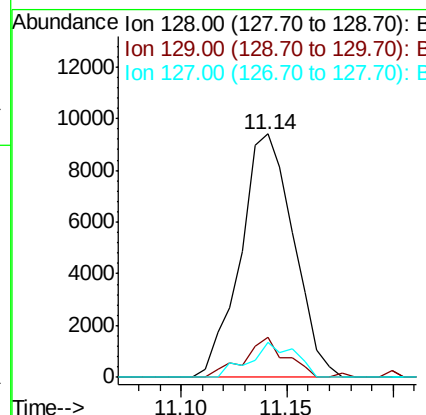
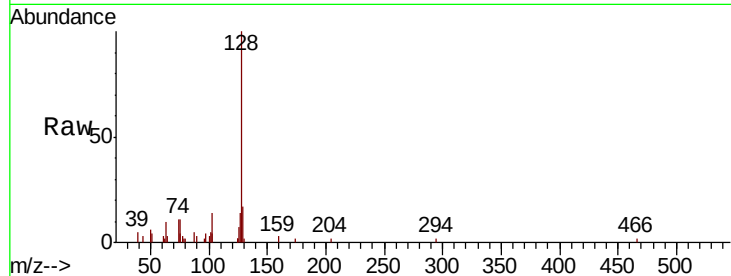
#28
Naphthalene
Concen: 2.474 ng/ul
RT: 11.14 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Instrument :
BNA_G
ClientSampleId :
C0B24DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.6	9.6	14.4#
127	14.4	10.6	16.0

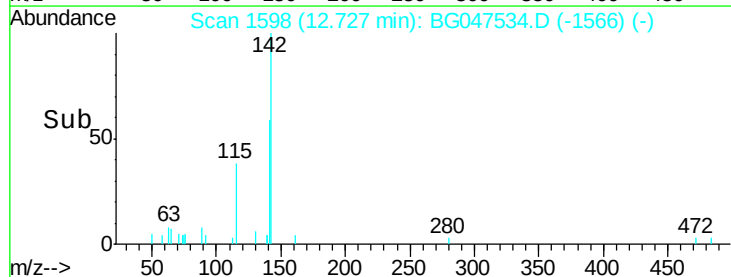
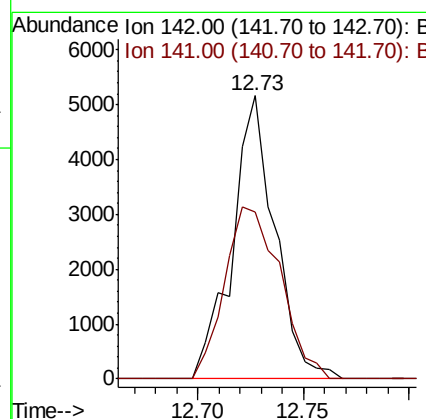
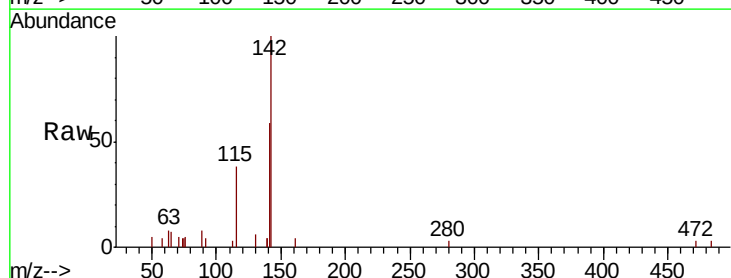
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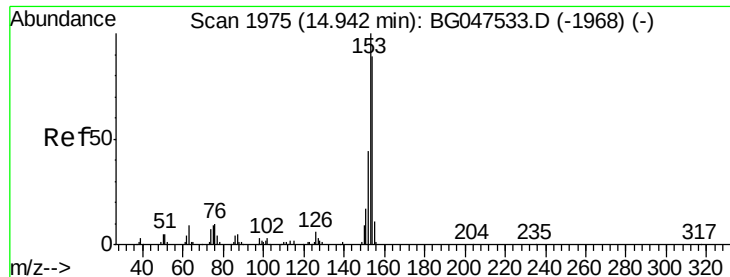
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#34
2-Methylnaphthalene
Concen: 1.460 ng/ul
RT: 12.73 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	59.0	74.8	112.2#





#50

Acenaphthene

Concen: 2.552 ng/ul

RT: 14.94 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Instrument :

BNA_G

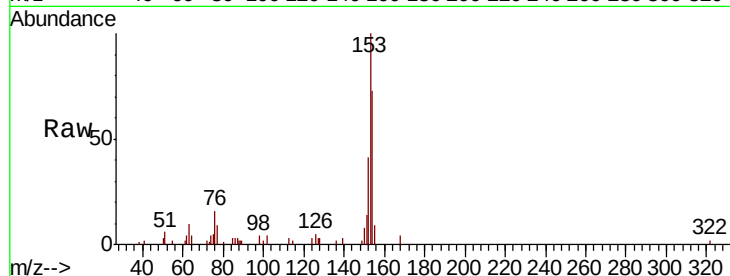
ClientSampled :

C0B24DL

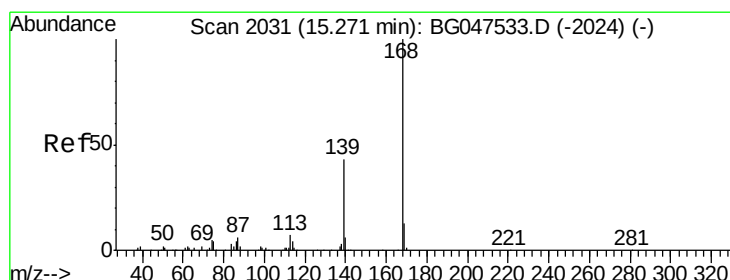
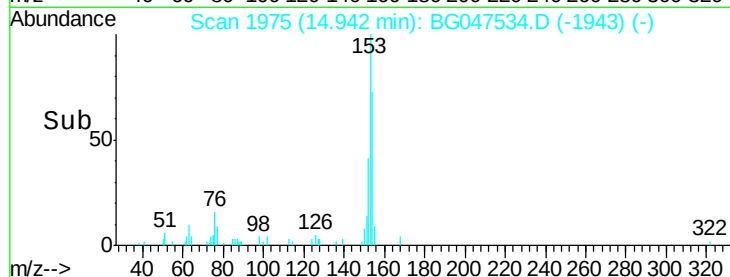
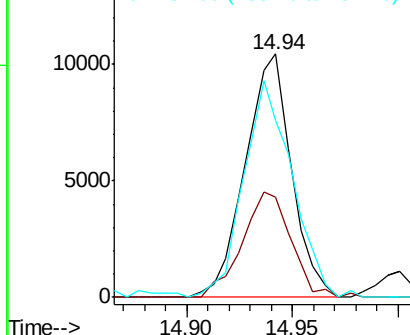
Tot Ion:	153	Resp:	15912
Ion Ratio	Lower	Upper	
153	100		
152	41.4	36.9	55.3
154	72.7	69.7	104.5

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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



#54

Dibenzofuran

Concen: 1.222 ng/ul

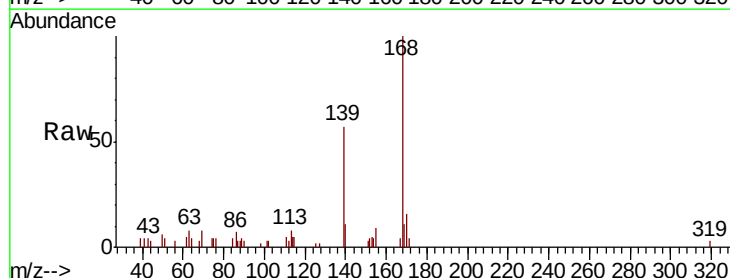
RT: 15.27 min Scan# 2031

Delta R.T. -0.01 min

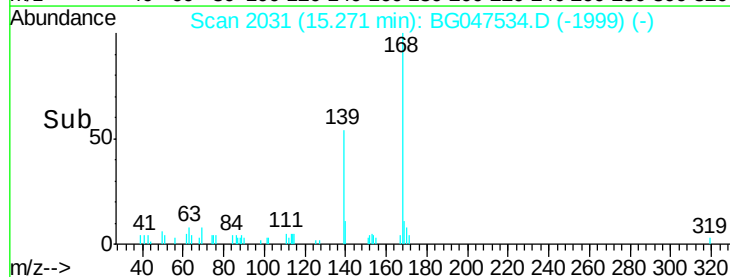
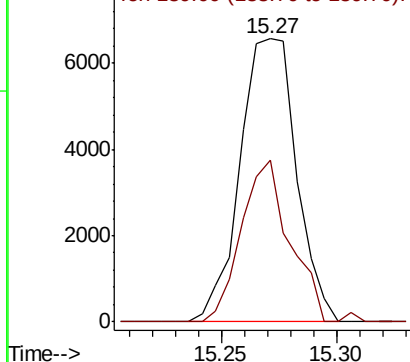
Lab File: BG047534.D

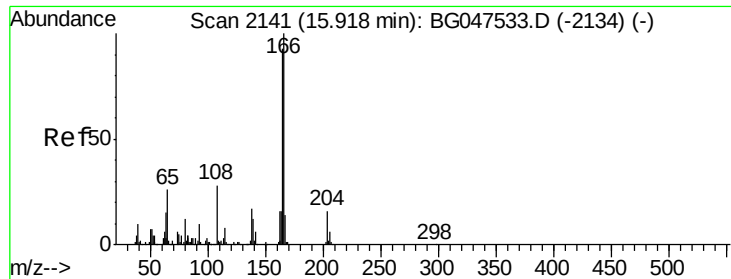
Acq: 2 Dec 2020 16:45

Tgt Ion:	168	Resp:	11185
Ion Ratio	Lower	Upper	
168	100		
139	57.2	32.8	49.2#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.453 ng/ul

RT: 15.92 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Instrument :

BNA_G

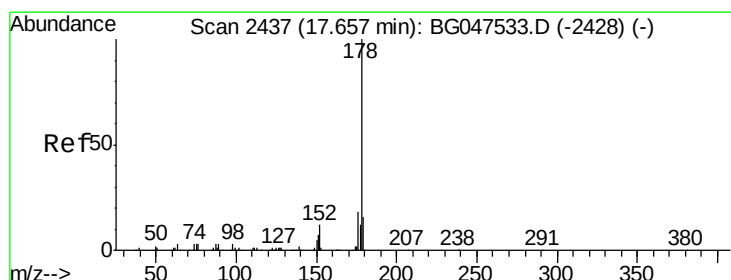
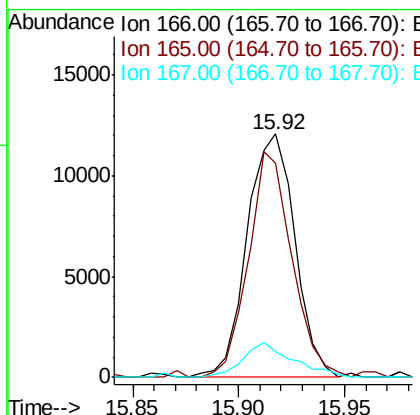
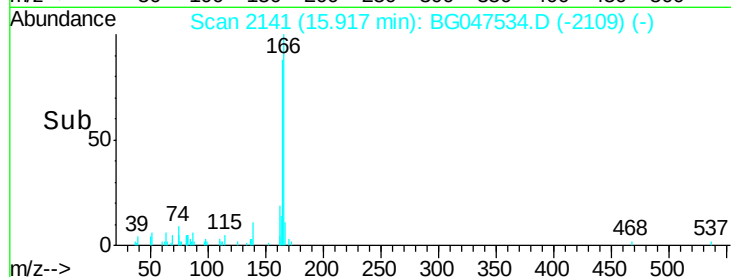
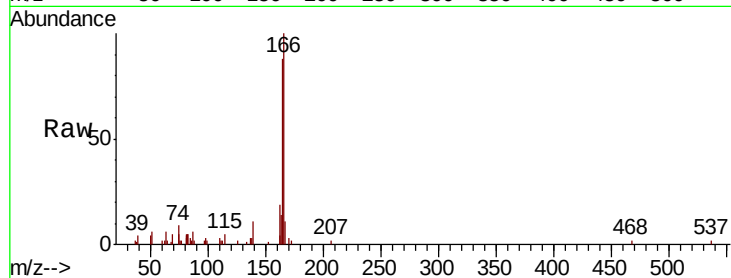
ClientSampleId :

C0B24DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	88.0	79.8	119.6
167	10.6	10.8	16.2

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#70

Phenanthrene

Concen: 24.060 ng/ul m

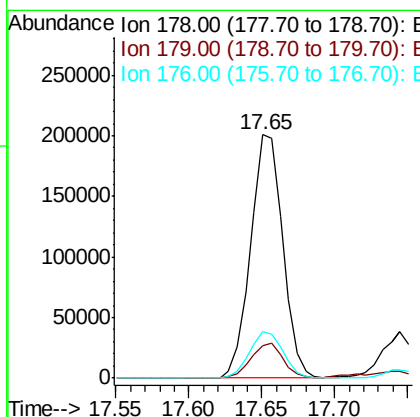
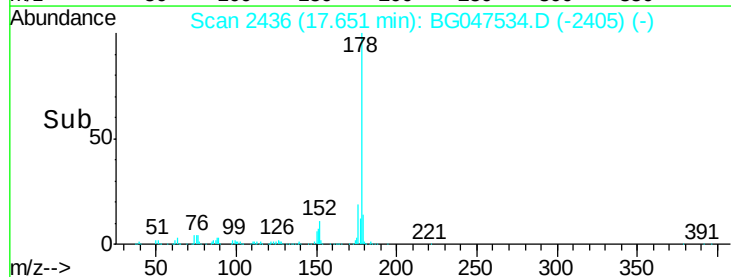
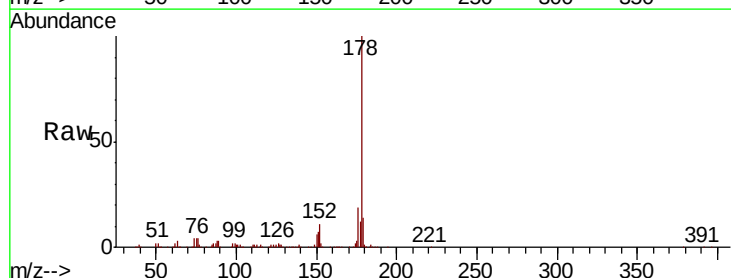
RT: 17.65 min Scan# 2436

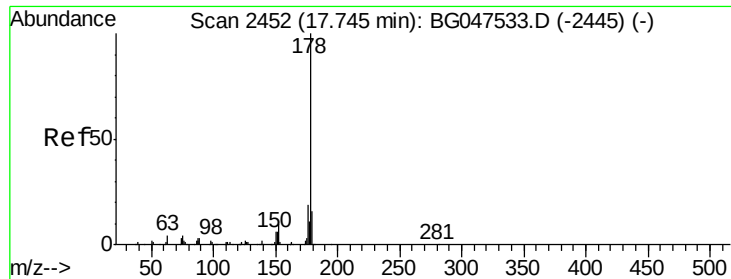
Delta R.T. -0.02 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.6	11.8	17.6
176	18.9	13.9	20.9





#72

Anthracene

Concen: 4.248 ng/ul

RT: 17.74 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Instrument :

BNA_G

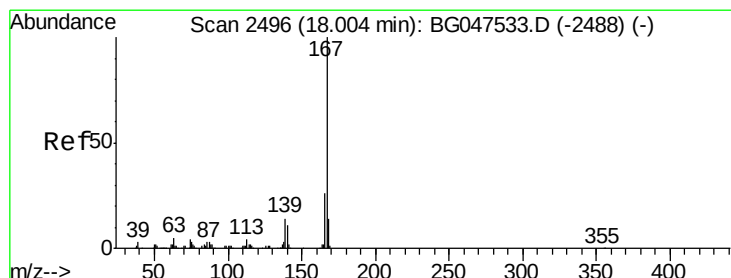
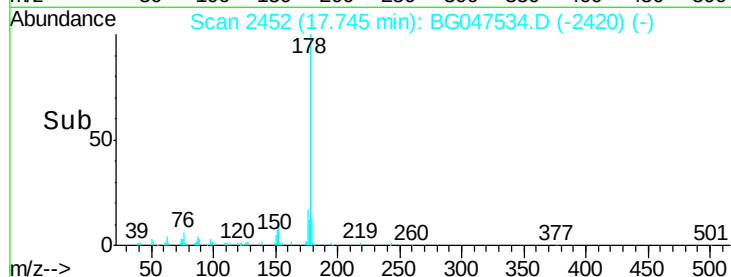
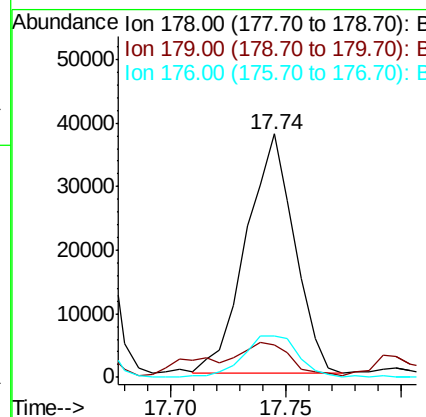
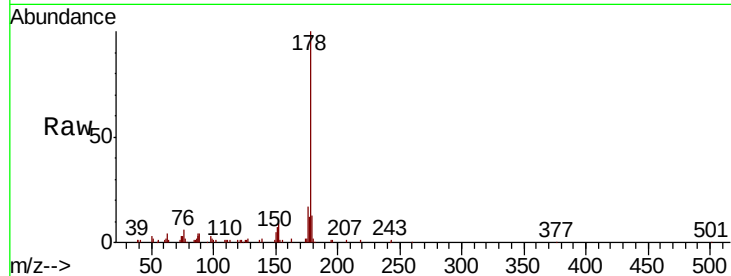
ClientSampleId :

C0B24DL

Tot Ion:178	Resp:	54354
Ion Ratio	Lower	Upper
178	100	
179	13.5	11.7 17.5
176	17.1	15.4 23.0

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#75

Carbazole

Concen: 3.299 ng/ul

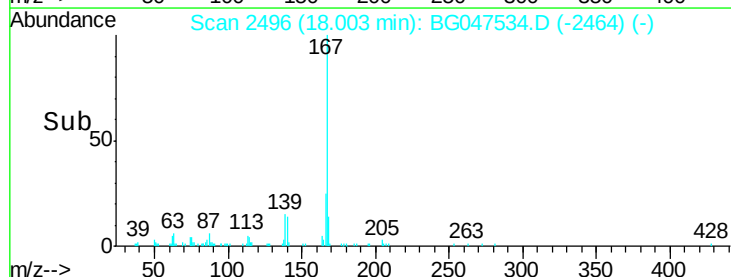
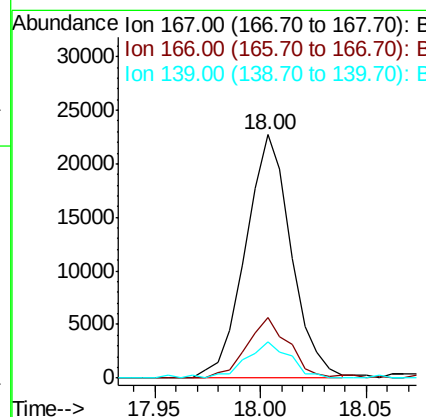
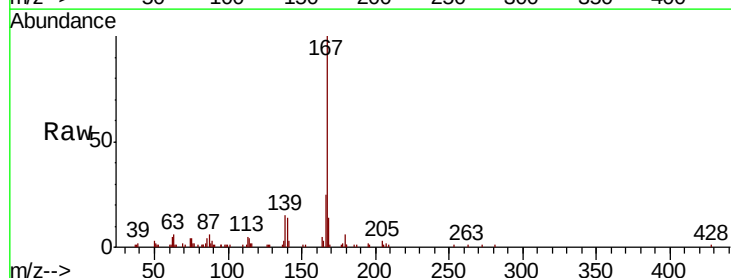
RT: 18.00 min Scan# 2496

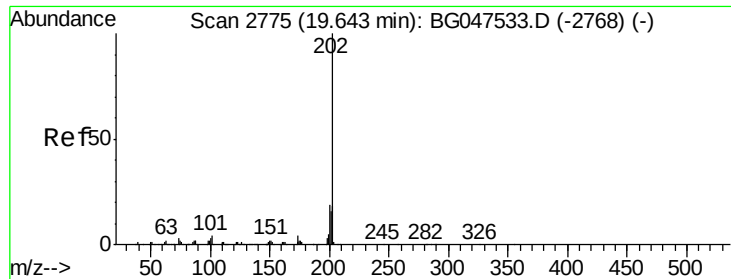
Delta R.T. -0.01 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Tgt Ion:167	Resp:	34055
Ion Ratio	Lower	Upper
167	100	
166	25.0	19.2 28.8
139	14.7	10.0 15.0





#77

Fluoranthene

Concen: 34.754 ng/ul

RT: 19.64 min Scan# 2775

Delta R.T. -0.01 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Instrument :

BNA_G

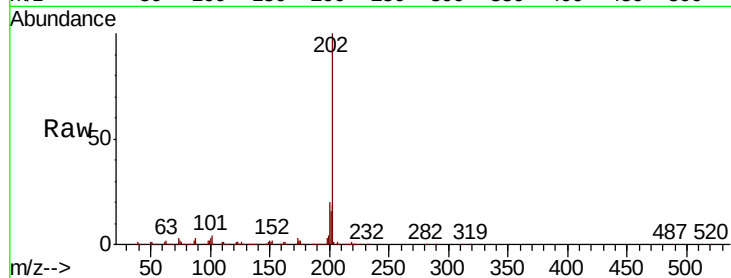
ClientSampleId :

C0B24DL

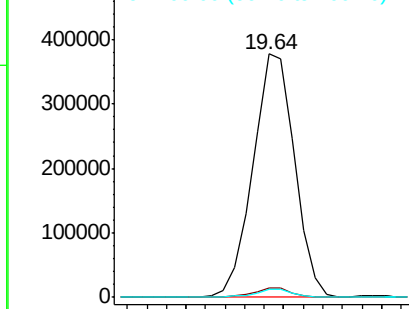
Tot Ion:	202	Resp:	557688
Ion Ratio	Lower	Upper	
202	100		
101	3.9	3.0	4.6
100	3.1	3.0	4.6

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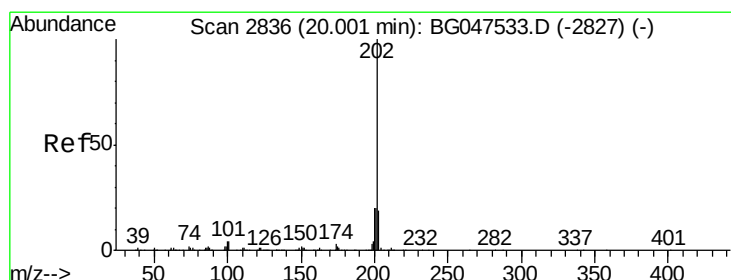
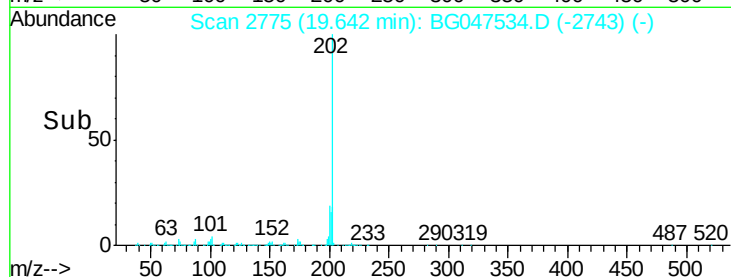
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 30.758 ng/ul m

RT: 20.01 min Scan# 2837

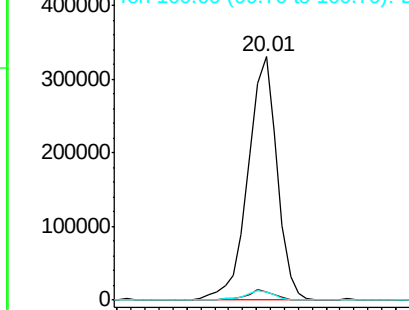
Delta R.T. -0.00 min

Lab File: BG047534.D

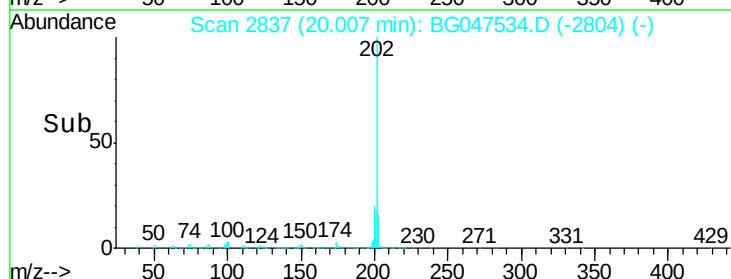
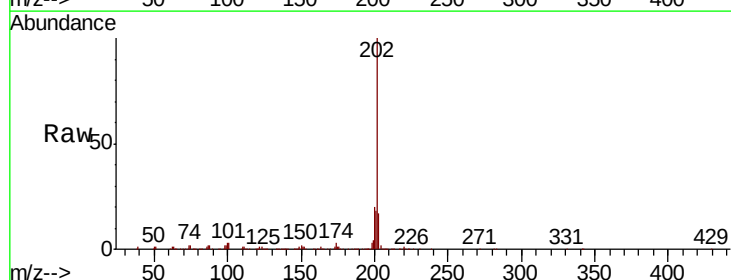
Acq: 2 Dec 2020 16:45

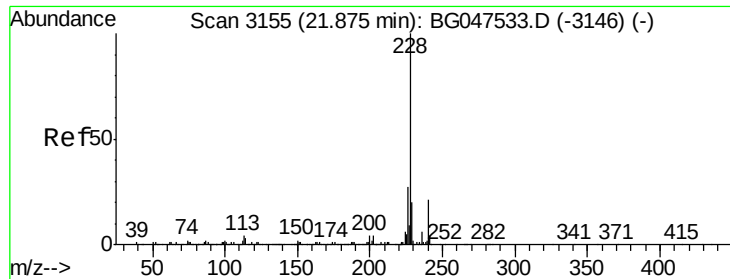
Tgt Ion:	202	Resp:	480993
Ion Ratio	Lower	Upper	
202	100		
101	3.5	3.5	5.3#
100	3.4	3.4	5.0#

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): B



Time-->





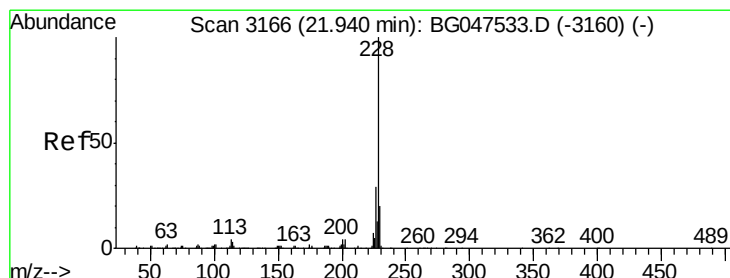
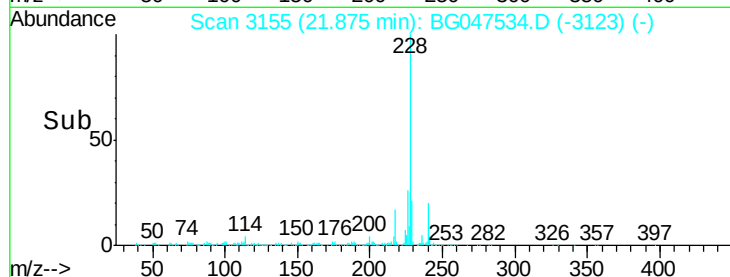
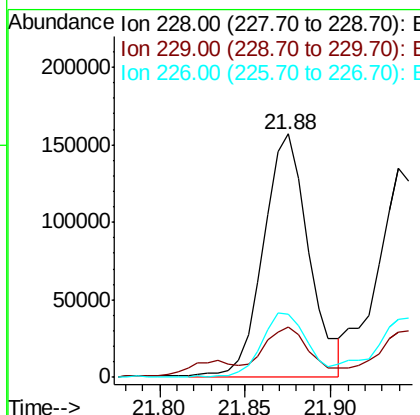
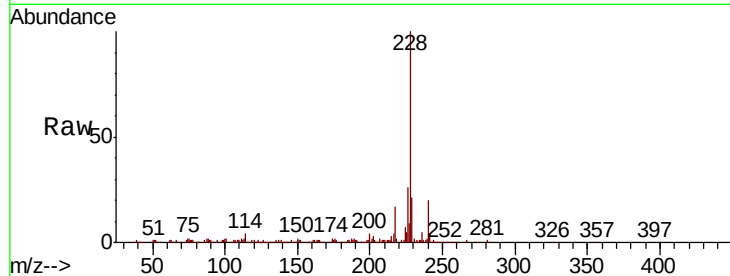
#83
Benzo(a)anthracene
Concen: 18.483 ng/ul m
RT: 21.88 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Instrument :
BNA_G
ClientSampleId :
C0B24DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.6	23.4
226	25.8	21.7	32.5

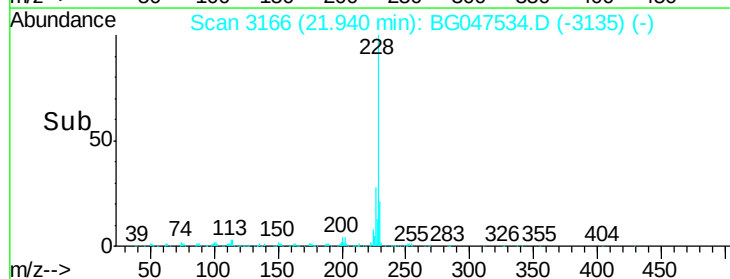
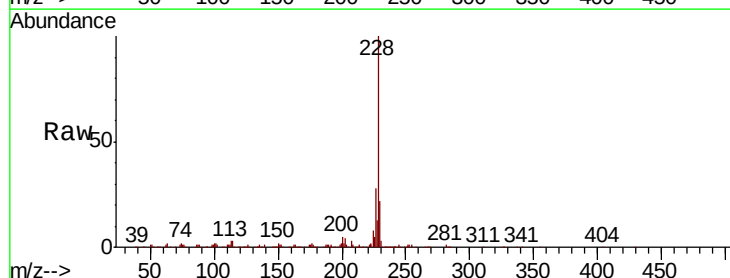
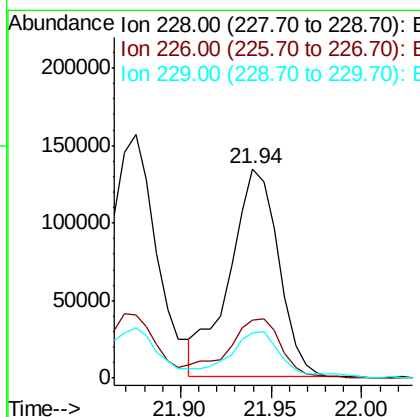
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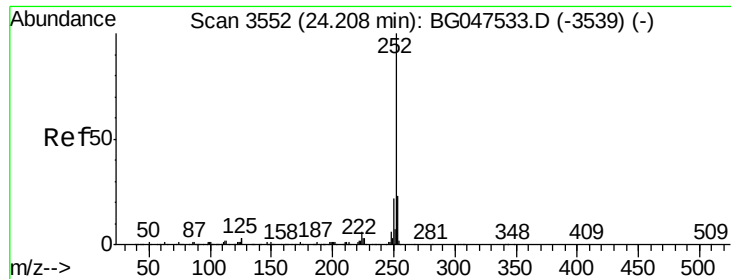
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#85
Chrysene
Concen: 16.837 ng/ul
RT: 21.94 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	21.6	16.5	24.7





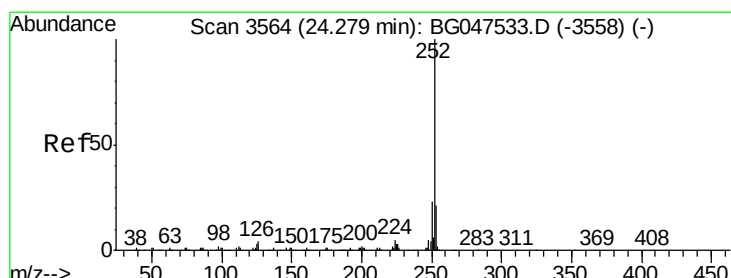
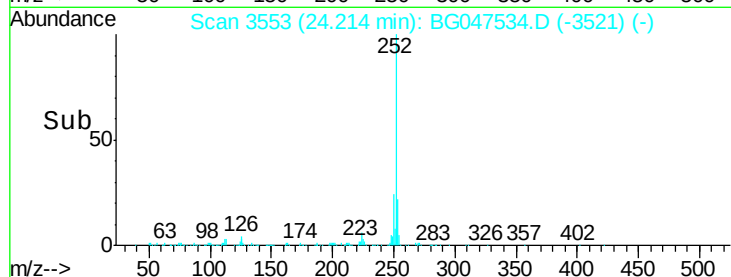
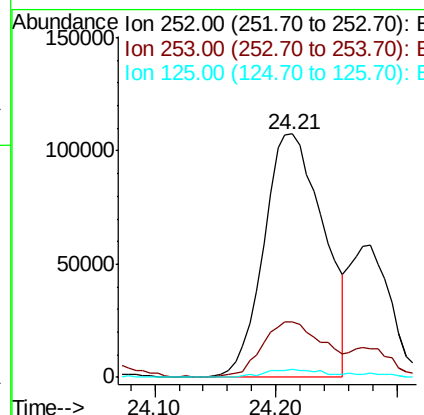
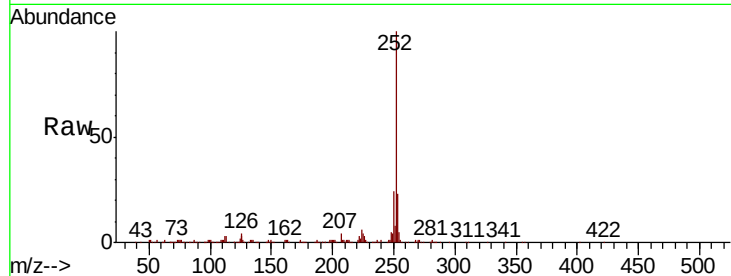
#88
Benzo(b)fluoranthene
Concen: 22.397 ng/ul
RT: 24.21 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Instrument :
BNA_G
ClientSampleId :
C0B24DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.6	25.0
125	3.3	2.7	4.1

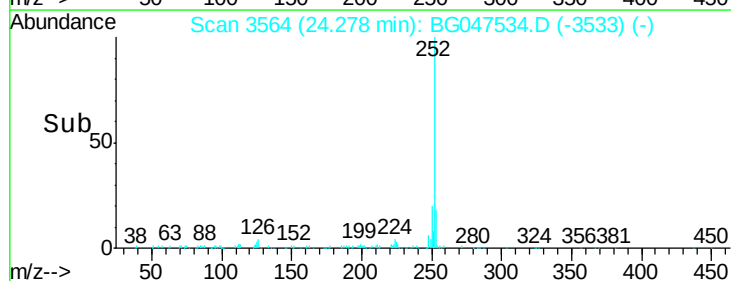
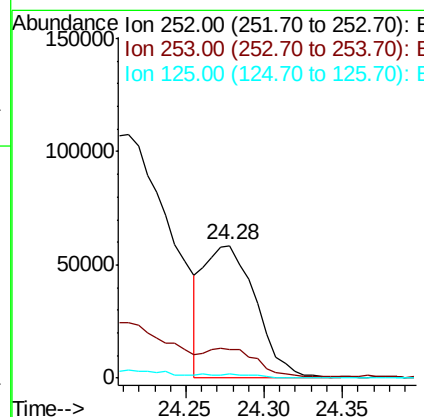
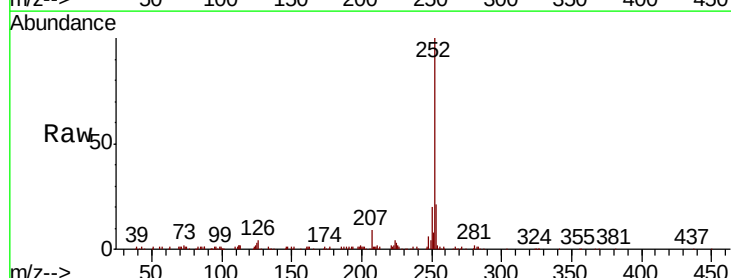
Manual Integrations
APPROVED

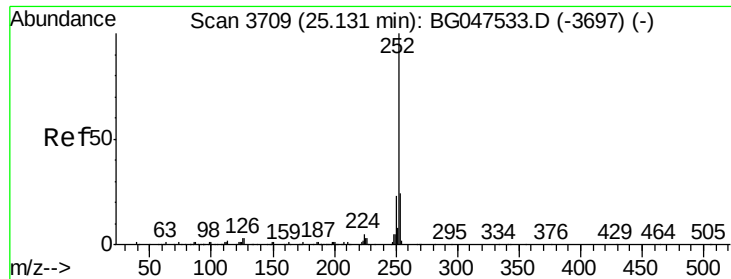
mohammad
12/3/2020 3:35:17 PM



#89
Benzo(k)fluoranthene
Concen: 8.409 ng/ul m
RT: 24.28 min Scan# 3564
Delta R.T. -0.02 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.4
125	3.3	2.2	3.2#





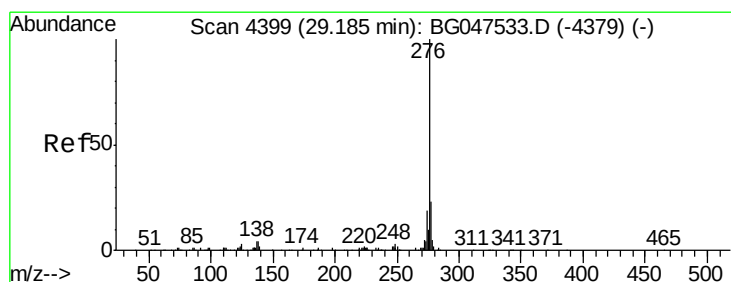
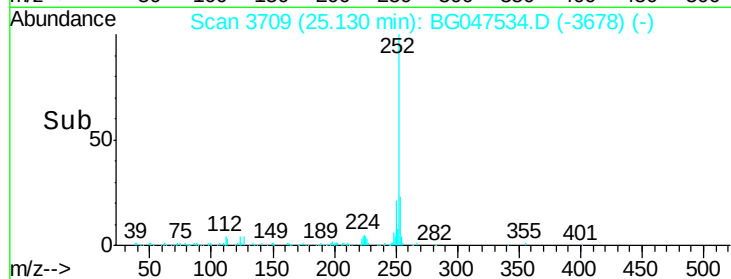
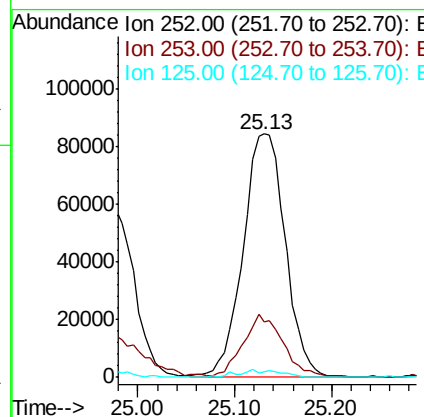
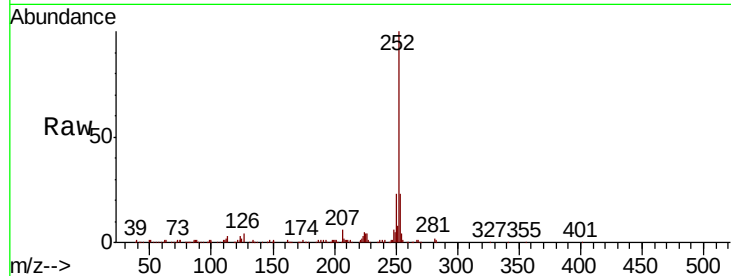
#91
Benzo(a)pyrene
Concen: 17.458 ng/ul m
RT: 25.13 min Scan# 3709
Delta R.T. -0.02 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Instrument :
BNA_G
ClientSampleId :
C0B24DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.0	18.6	27.8
125	2.1	3.1	4.7#

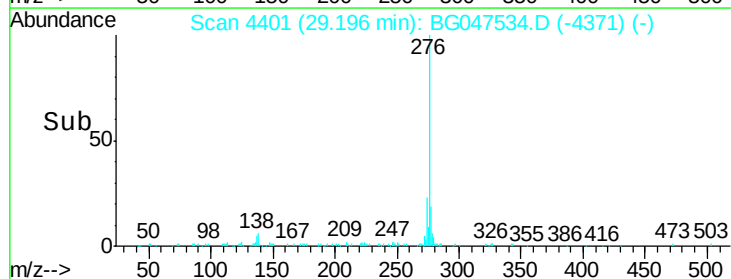
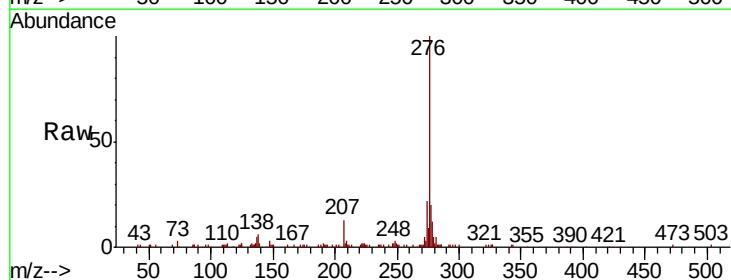
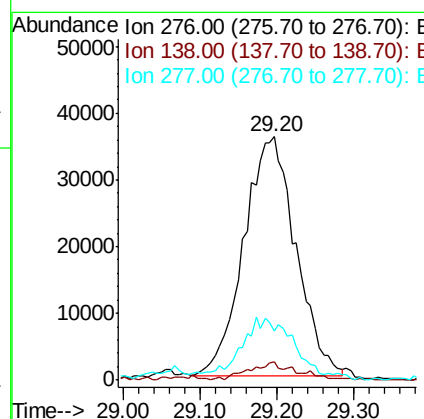
Manual Integrations
APPROVED

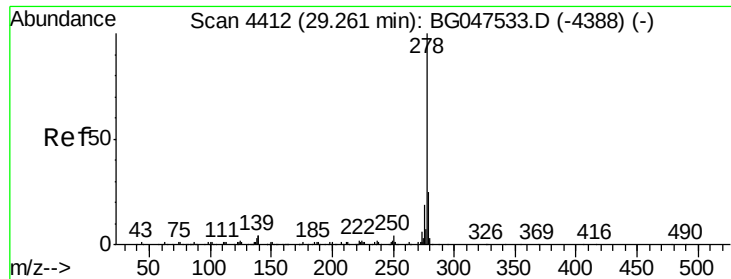
mohammad
12/3/2020 3:35:17 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 9.397 ng/ul
RT: 29.20 min Scan# 4401
Delta R.T. -0.02 min
Lab File: BG047534.D
Acq: 2 Dec 2020 16:45

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	7.6	5.0	7.6
277	20.3	16.5	24.7





#93

Dibenzo(a,h)anthracene

Concen: 3.472 ng/ul m

RT: 29.24 min Scan# 4408

Delta R.T. -0.05 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Instrument :

BNA_G

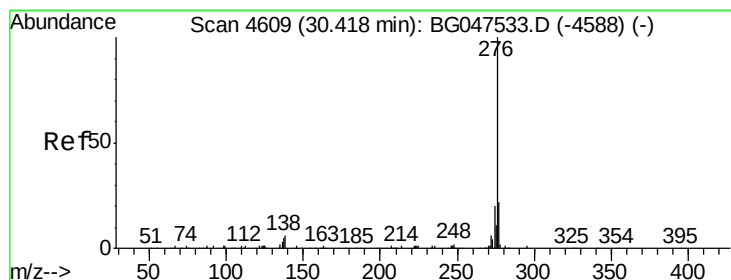
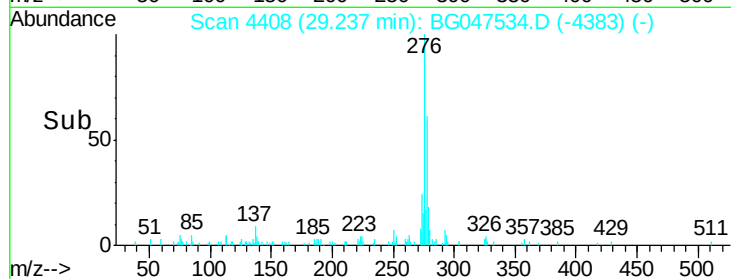
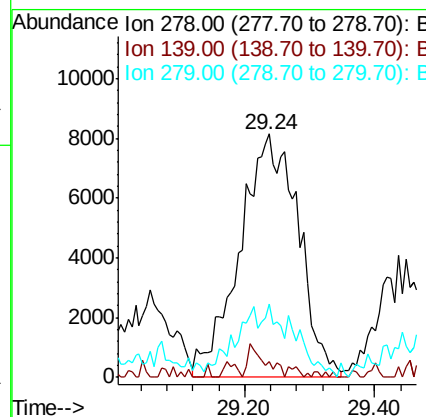
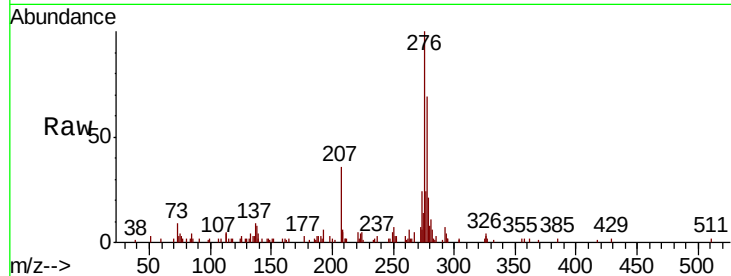
ClientSampleId :

C0B24DL

Tot Ion:	278	Resp:	50815
Ion Ratio	Lower	Upper	
278	100		
139	6.4	4.6	7.0
279	30.1	18.2	27.2#

Manual Integrations
APPROVED

mohammad
12/3/2020 3:35:17 PM



#94

Benzo(g,h,i)perylene

Concen: 9.826 ng/ul

RT: 30.41 min Scan# 4608

Delta R.T. -0.03 min

Lab File: BG047534.D

Acq: 2 Dec 2020 16:45

Tgt Ion:	276	Resp:	144732
Ion Ratio	Lower	Upper	
276	100		
138	3.0	5.8	8.6#
277	22.8	17.4	26.2

