

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046324.D
 Acq On : 18 Aug 2020 12:27
 Operator : CG/JU
 Sample : L3636-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMK4

Manual Integrations
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Quant Time: Aug 18 13:13:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	89575	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	363270	20.00	ng/ul	-0.01
6) Acenaphthene-d10	14.57	164	241423	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	531907	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	519698	20.00	ng/ul	0.00
23) Perylene-d12	24.68	264	587114	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	56476	9.03	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	225851	10.17	ng/ul	0.00
10) Fluorene-d10	15.56	176	176475	10.37	ng/ul	0.00
15) Anthracene-d10	17.41	188	256528	10.40	ng/ul	0.00
19) Pyrene-d10	19.70	212	288134	10.77	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	310848	9.70	ng/ul	0.00
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	40254	2.130	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	26514	1.841	ng/ul	97
8) Acenaphthylene	14.29	152	115436	5.110	ng/ul	99
9) Acenaphthene	14.63	153	101929	6.319	ng/ul	96
11) Fluorene	15.61	166	173348	9.191	ng/ul	98
14) Phenanthrene	17.37	178	3490149m	119.272	ng/ul	
16) Anthracene	17.44	178	724870	24.551	ng/ul	99
17) Fluoranthene	19.38	202	4602494m	141.056	ng/ul	
20) Pyrene	19.74	202	4085308	119.757	ng/ul#	81
21) Benzo(a)anthracene	21.55	228	3142706	92.943	ng/ul#	82
22) Chrysene	21.62	228	3058089	93.556	ng/ul#	83
24) Benzo(b)fluoranthene	23.71	252	3947803	101.682	ng/ul#	90
25) Benzo(k)fluoranthene	23.76	252	1542176m	40.043	ng/ul	
27) Benzo(a)pyrene	24.55	252	2686549	75.372	ng/ul#	92
28) Indeno(1,2,3-cd)pyrene	28.22	276	2046801	45.861	ng/ul	98
29) Dibenzo(a,h)anthracene	28.25	278	617231	17.057	ng/ul	96
30) Benzo(g,h,i)perylene	29.31	276	1560190	41.771	ng/ul	99

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

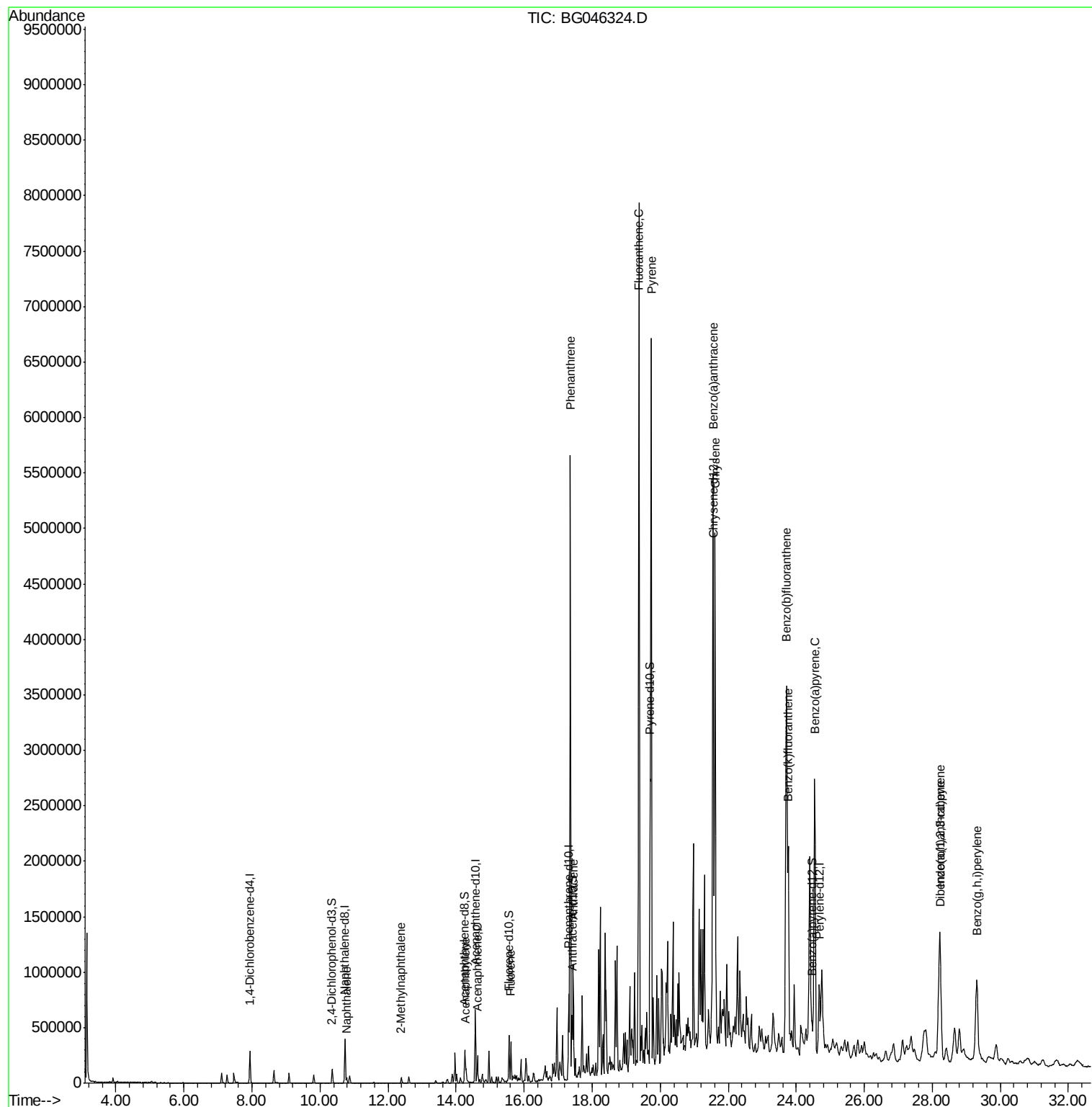
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046324.D
Acq On : 18 Aug 2020 12:27
Operator : CG/JU
Sample : L3636-08
Misc :
ALS Vial : 31 Sample Multiplier: 1

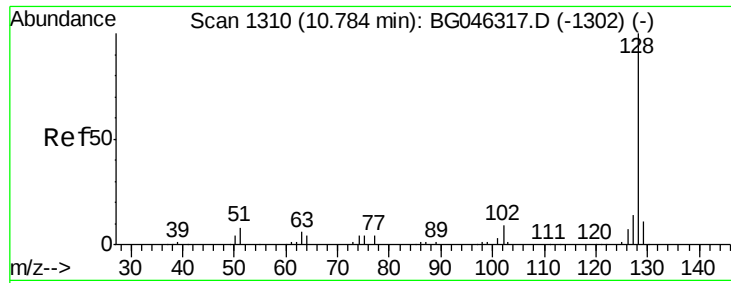
Instrument :
BNA_G
ClientSampleId :
BFMK4

Quant Time: Aug 18 13:13:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 13:50:19 2020
Response via : Initial Calibration

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#4

Naphthalene

Concen: 2.130 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046324.D

Acq: 18 Aug 2020 12:27

Instrument :

BNA_G

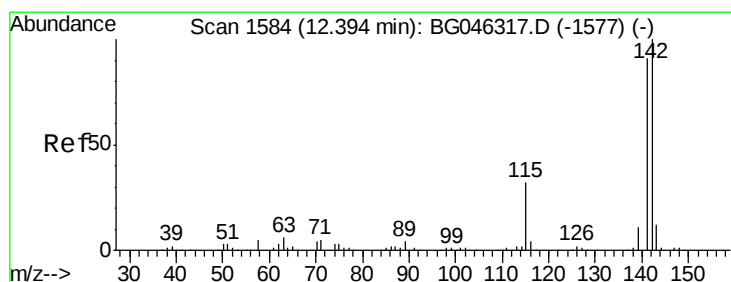
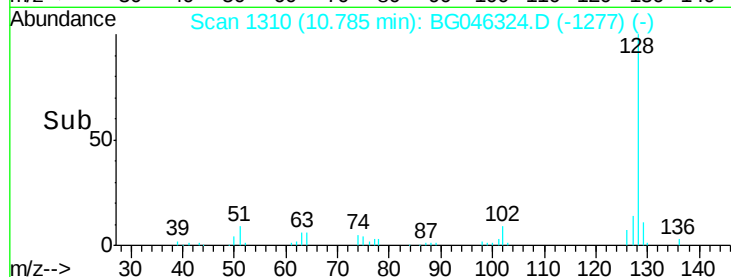
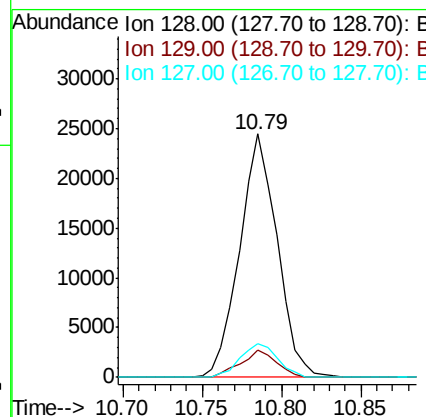
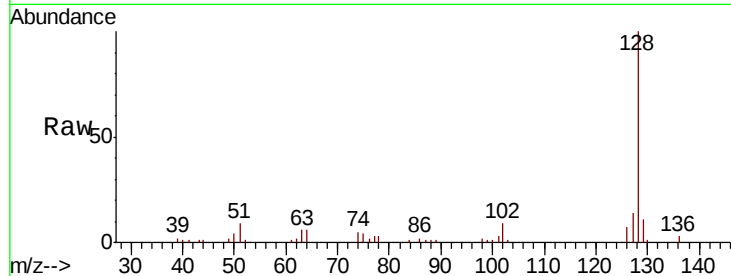
ClientSampleId :

BFMK4

Tot Ion:	128	Resp:	40254
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	14.0	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 1.841 ng/ul

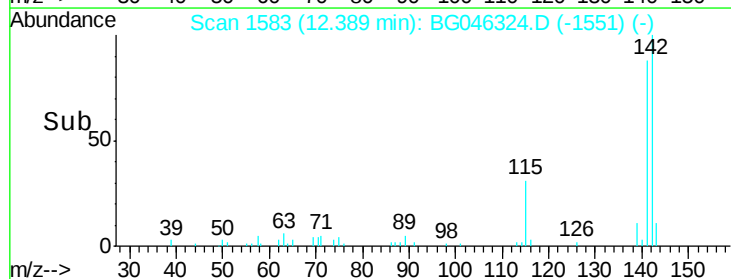
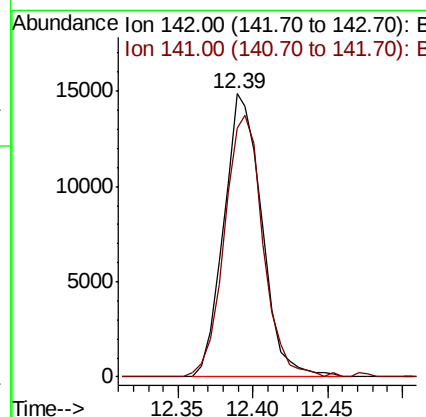
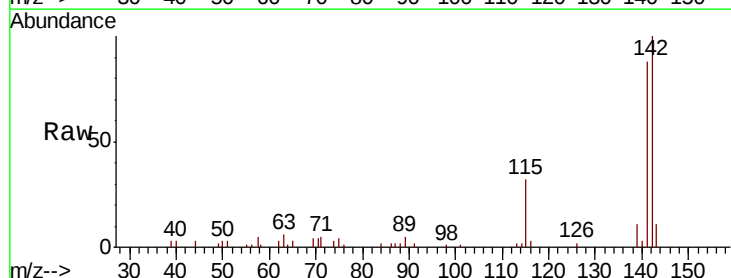
RT: 12.39 min Scan# 1583

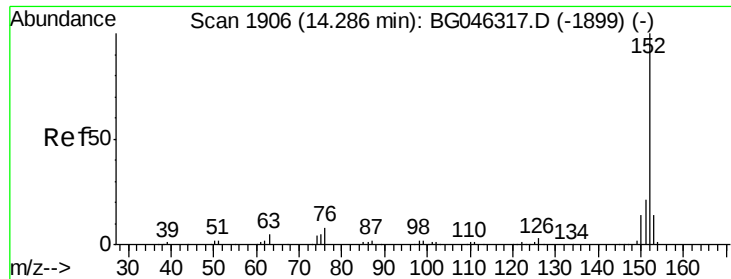
Delta R.T. -0.01 min

Lab File: BG046324.D

Acq: 18 Aug 2020 12:27

Tgt Ion:	142	Resp:	26514
Ion	Ratio	Lower	Upper
142	100		
141	87.8	72.5	108.7





#8

Acenaphthylene

Concen: 5.110 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046324.D

Acq: 18 Aug 2020 12:27

Instrument :

BNA_G

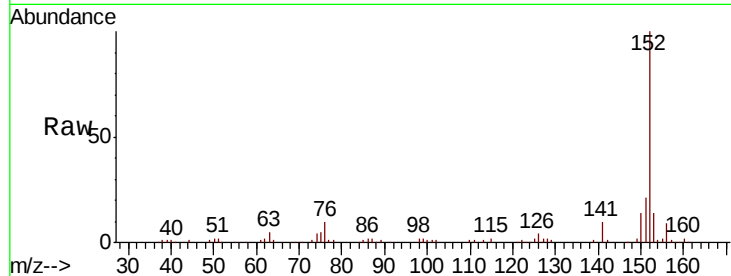
ClientSampleId :

BFMK4

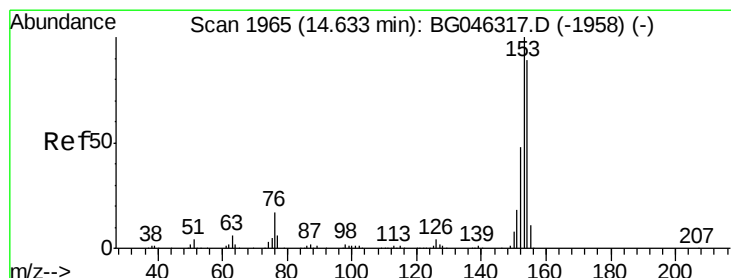
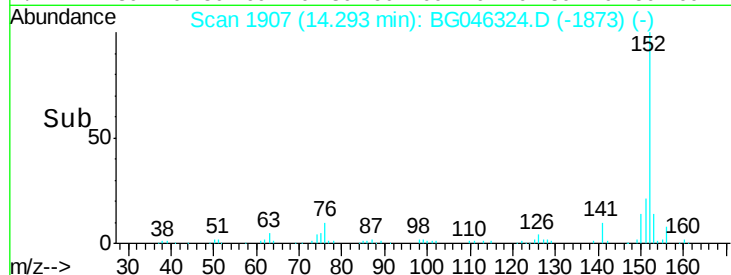
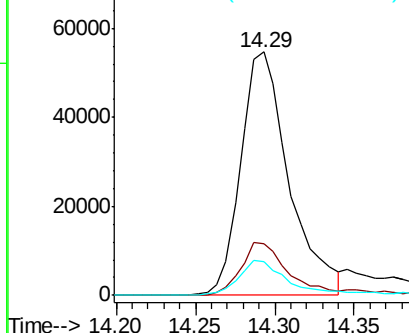
Tot Ion:	152	Resp:	115436
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.5	24.7
153	13.9	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 6.319 ng/ul

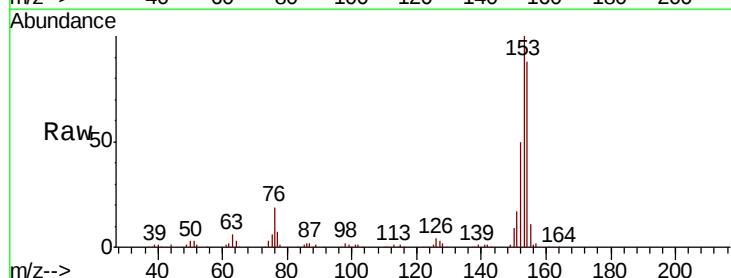
RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

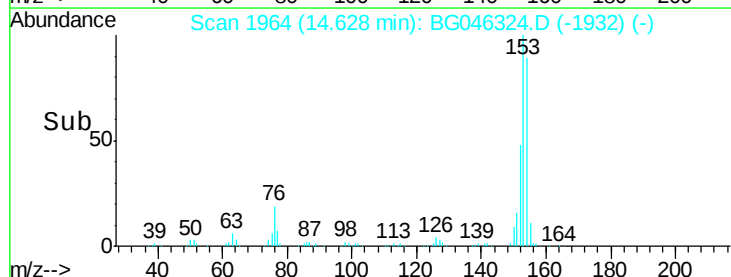
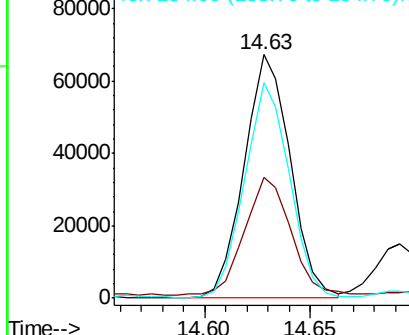
Lab File: BG046324.D

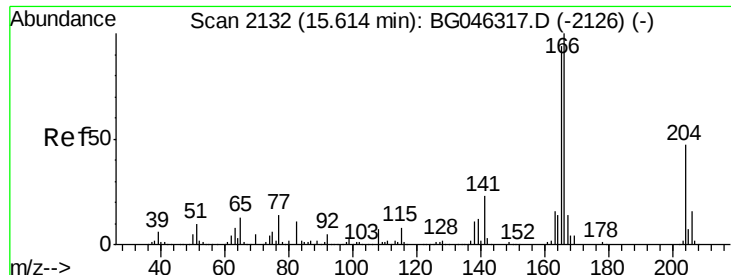
Acq: 18 Aug 2020 12:27

Tgt Ion:	153	Resp:	101929
Ion Ratio	Lower	Upper	
153	100		
152	49.6	37.2	55.8
154	88.2	67.8	101.6



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





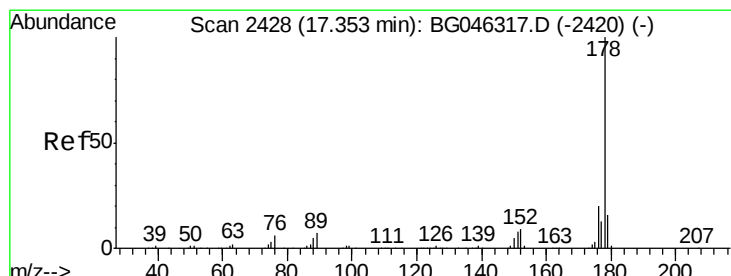
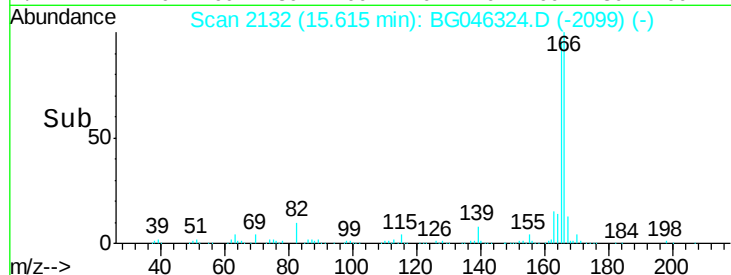
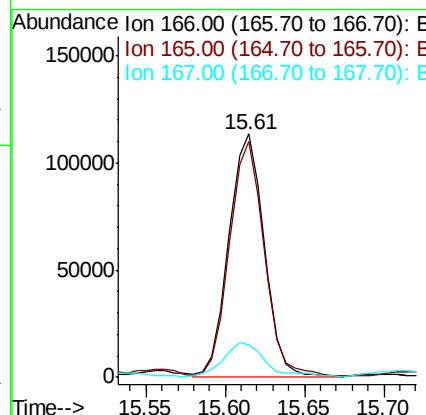
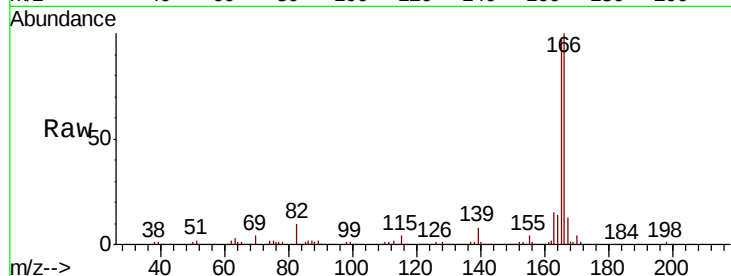
#11
Fluorene
 Concen: 9.191 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Instrument :
 BNA_G
 ClientSampleId :
 BFMK4

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	75.9	113.9
167	13.4	10.7	16.1

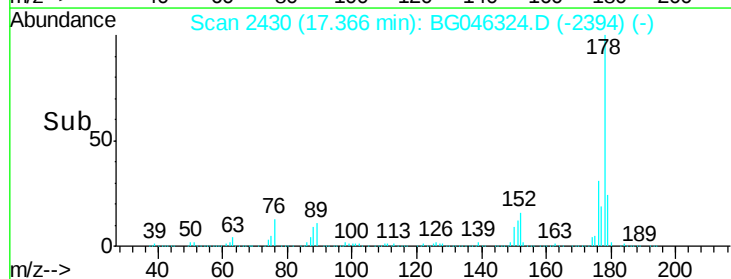
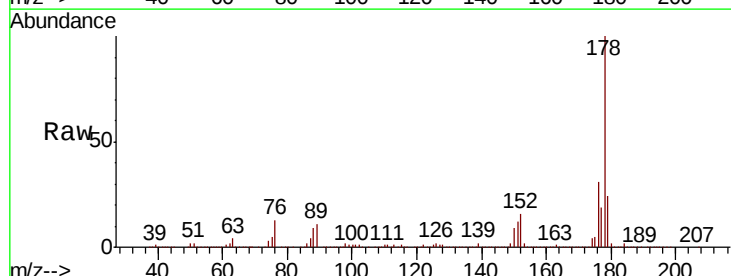
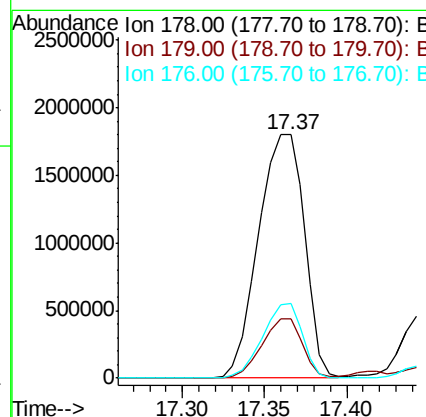
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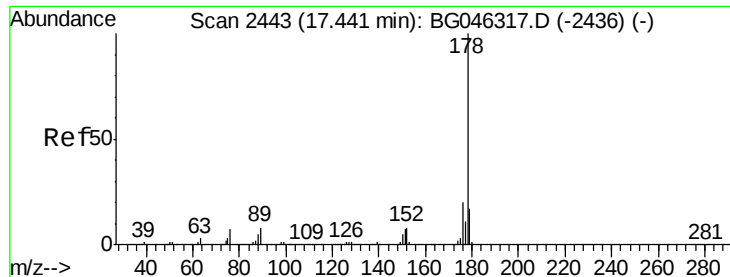
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#14
Phenanthrene
 Concen: 119.272 ng/ul m
 RT: 17.37 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	24.5	12.8	19.2#
176	30.8	15.8	23.8#





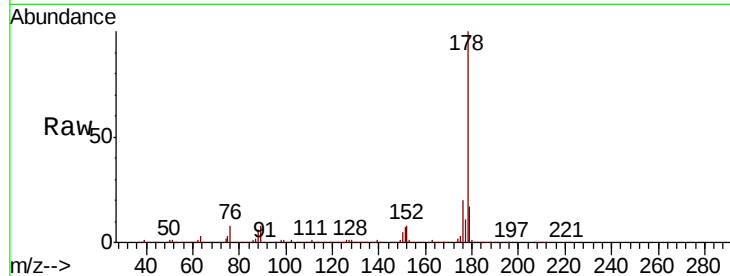
#16
 Anthracene
 Concen: 24.551 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Instrument :
 BNA_G
 ClientSampleID :
 BFMK4

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.5	13.2	19.8
176	19.8	15.2	22.8

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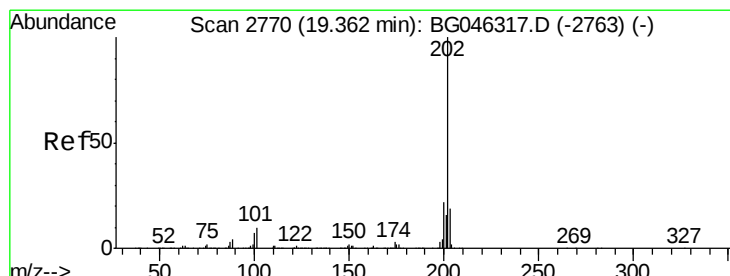
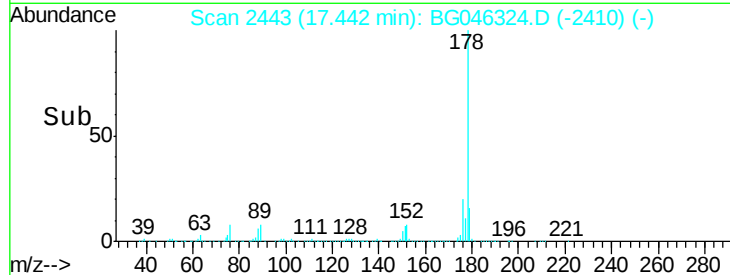
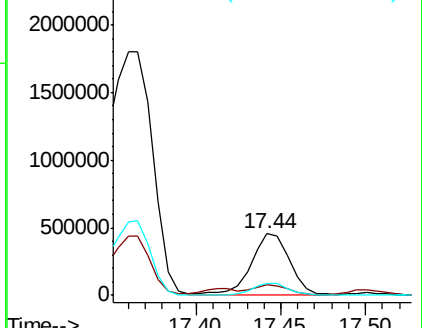


Abundance

Ion 178.00 (177.70 to 178.70): E

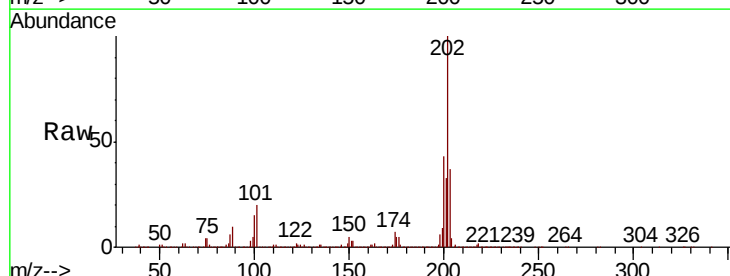
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#17
 Fluoranthene
 Concen: 141.056 ng/ul m
 RT: 19.38 min Scan# 2772
 Delta R.T. 0.01 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.8	7.8	11.6#
100	15.4	5.9	8.9#

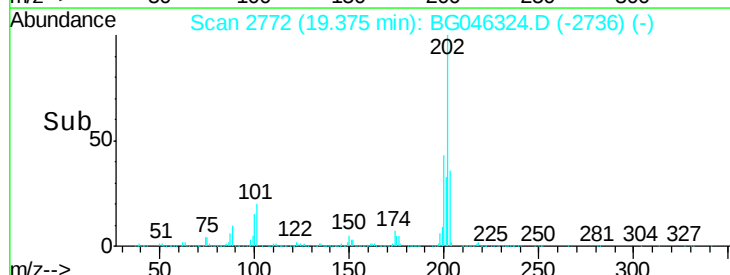
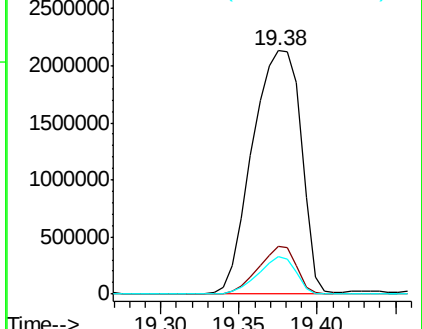


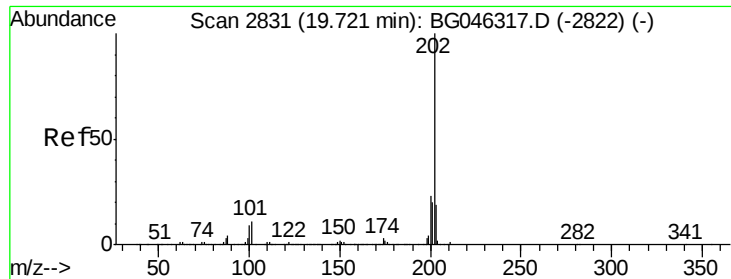
Abundance

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): B





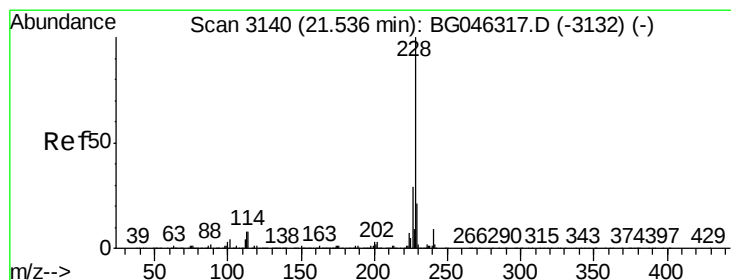
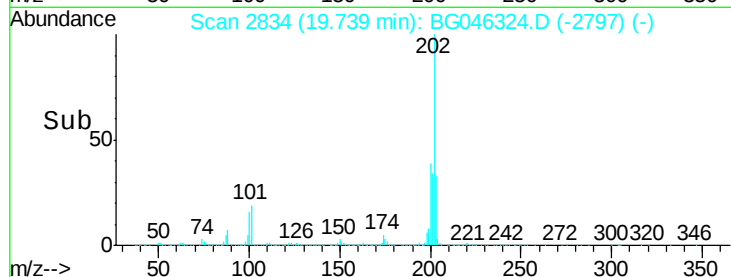
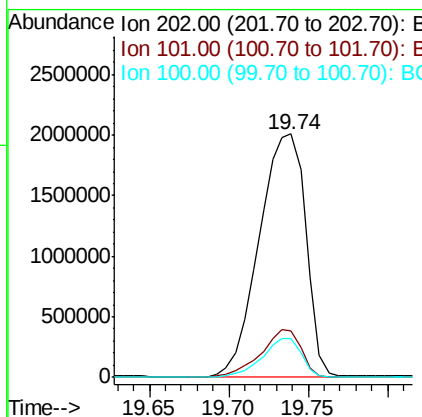
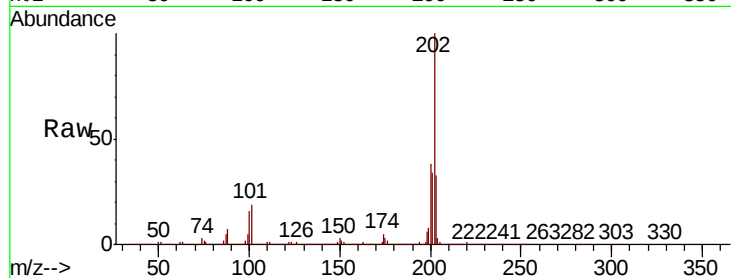
#20
Pvrene
Concen: 119.757 ng/ul
RT: 19.74 min Scan# 2834
Delta R.T. 0.02 min
Lab File: BG046324.D
Acq: 18 Aug 2020 12:27

Instrument :
BNA_G
ClientSampled :
BFMK4

Tot Ion	Ratio	Lower	Upper
202	100		
101	19.2	8.9	13.3#
100	16.1	7.9	11.9#

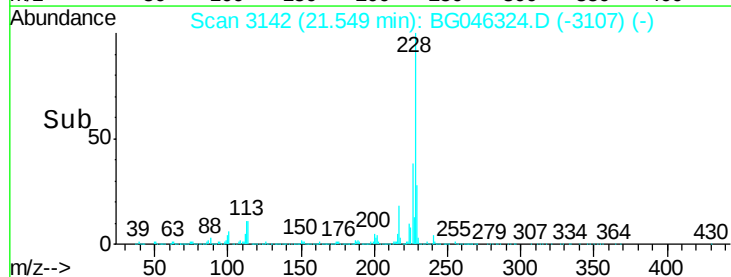
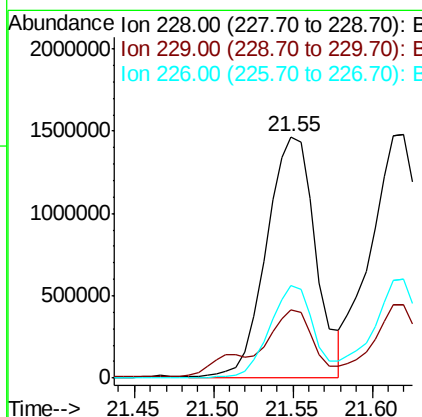
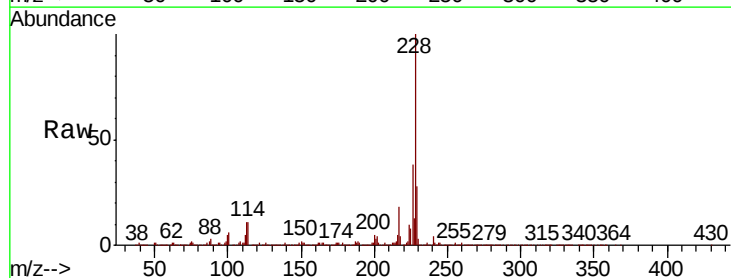
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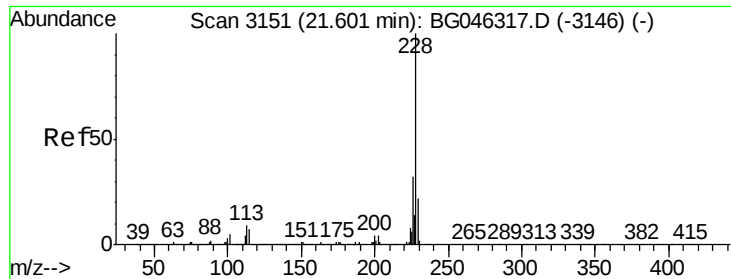
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#21
Benzo(a)anthracene
Concen: 92.943 ng/ul
RT: 21.55 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG046324.D
Acq: 18 Aug 2020 12:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	28.1	16.6	25.0#
226	38.3	22.6	33.8#





#22

Chrysene

Concen: 93.556 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. 0.02 min

Lab File: BG046324.D

Acq: 18 Aug 2020 12:27

Instrument :

BNA_G

ClientSampleId :

BFMK4

Tot Ion:228 Resp: 3058089

Ion Ratio Lower Upper

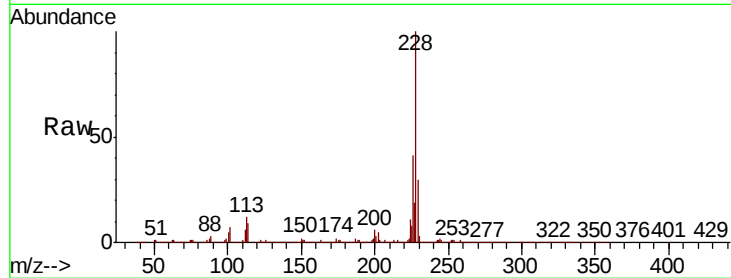
228 100

226 40.9 25.5 38.3#

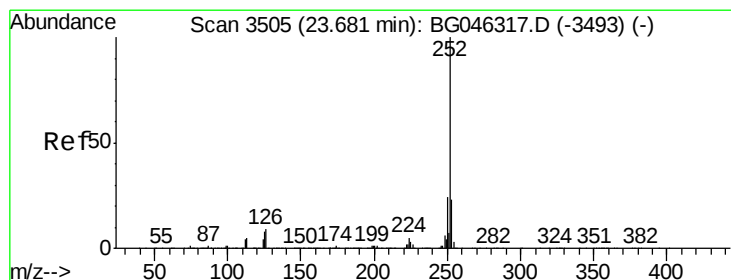
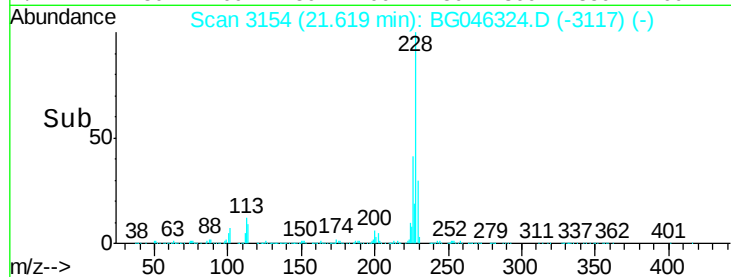
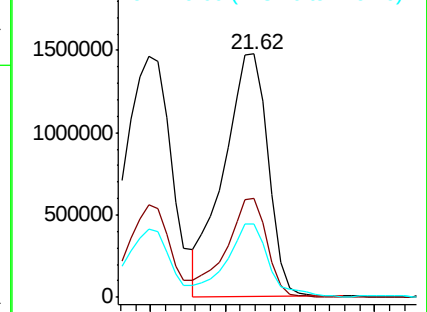
229 30.1 17.0 25.4#

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Abundance Ion 228.00 (227.70 to 228.70): E
2000000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#24

Benzo(b)fluoranthene

Concen: 101.682 ng/ul

RT: 23.71 min Scan# 3510

Delta R.T. 0.03 min

Lab File: BG046324.D

Acq: 18 Aug 2020 12:27

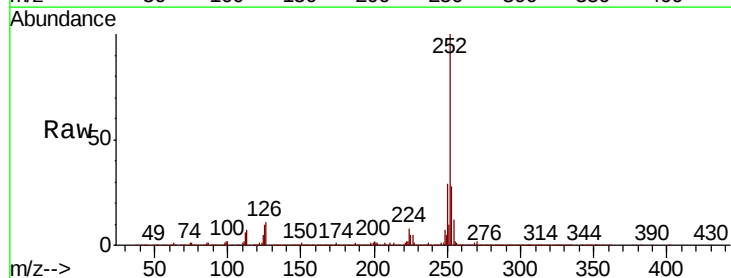
Tgt Ion:252 Resp: 3947803

Ion Ratio Lower Upper

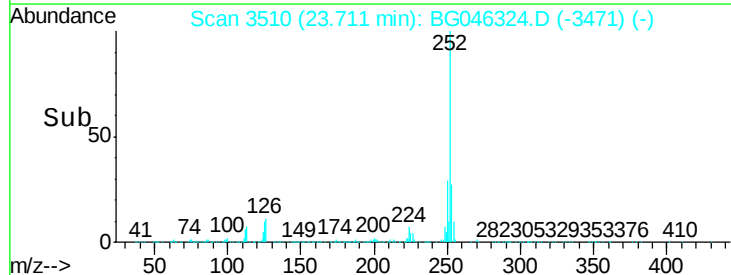
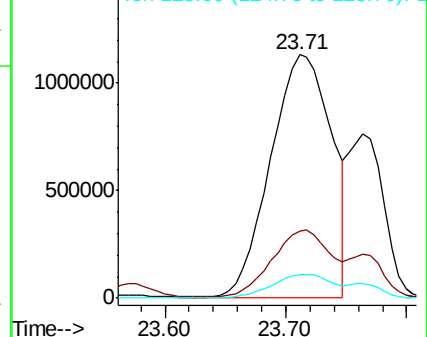
252 100

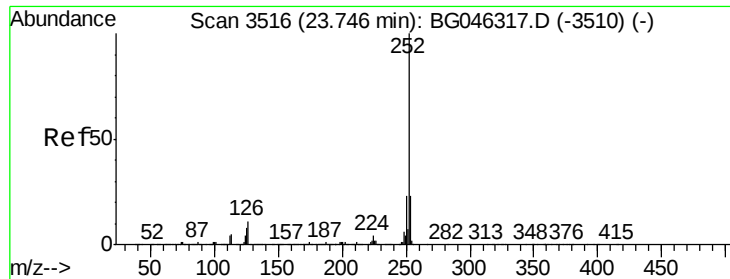
253 27.6 17.8 26.6#

125 9.8 6.4 9.6#



Abundance Ion 252.00 (251.70 to 252.70): E
1500000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





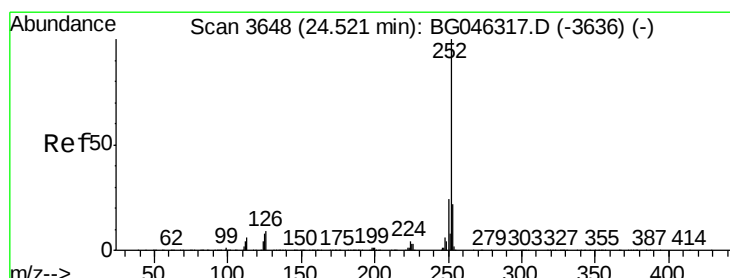
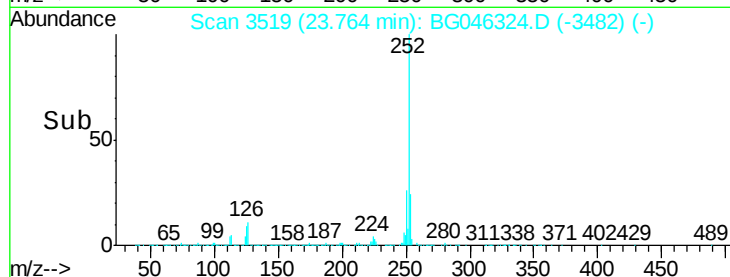
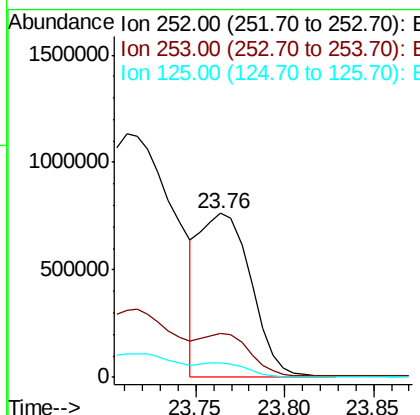
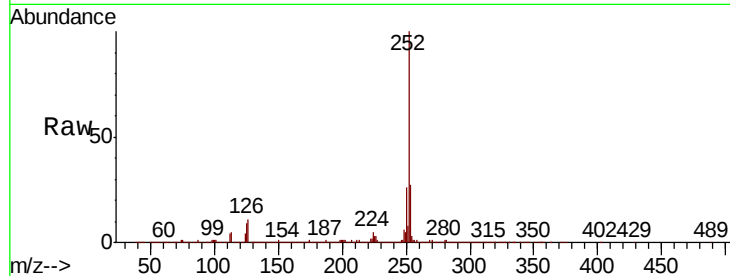
#25
Benzo(k)fluoranthene
Concen: 40.043 ng/ul m
RT: 23.76 min Scan# 3519
Delta R.T. 0.02 min
Lab File: BG046324.D
Acq: 18 Aug 2020 12:27

Instrument :
BNA_G
ClientSampleId :
BFMK4

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.5	27.7
125	8.7	6.2	9.2

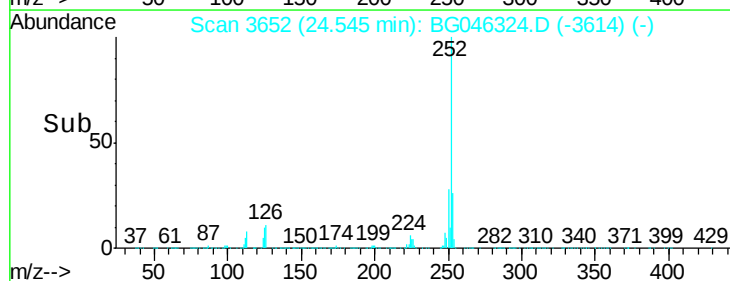
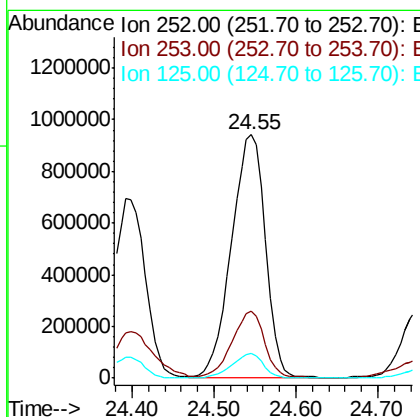
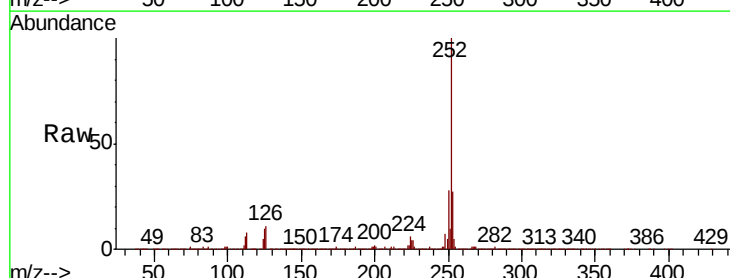
Manual Integrations
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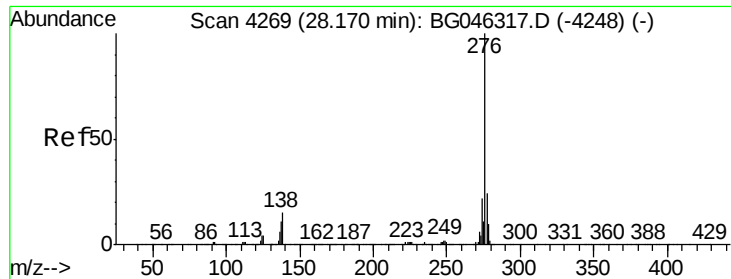
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#27
Benzo(a)pyrene
Concen: 75.372 ng/ul
RT: 24.55 min Scan# 3652
Delta R.T. 0.02 min
Lab File: BG046324.D
Acq: 18 Aug 2020 12:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.8	26.8#
125	10.0	7.1	10.7





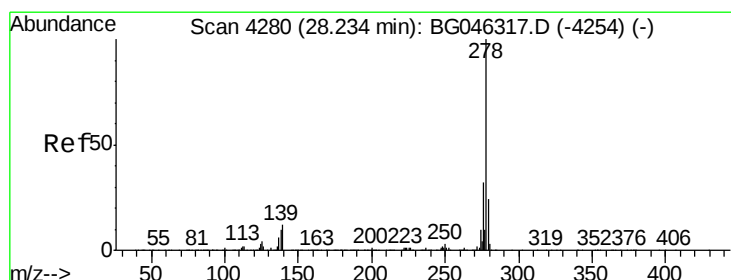
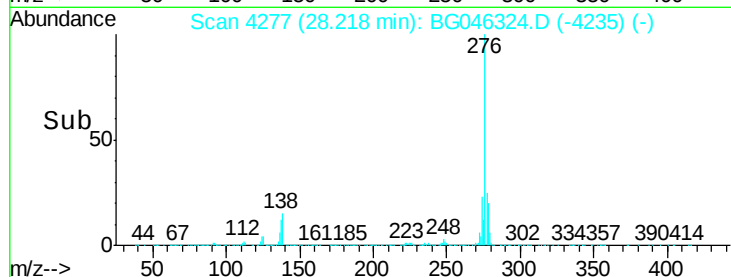
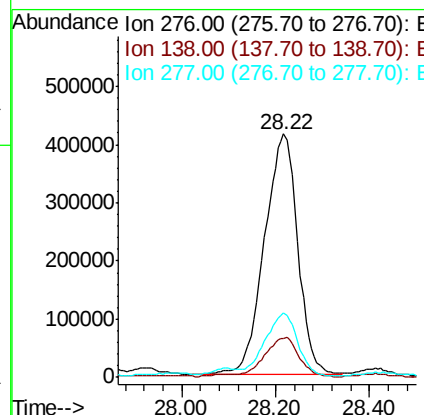
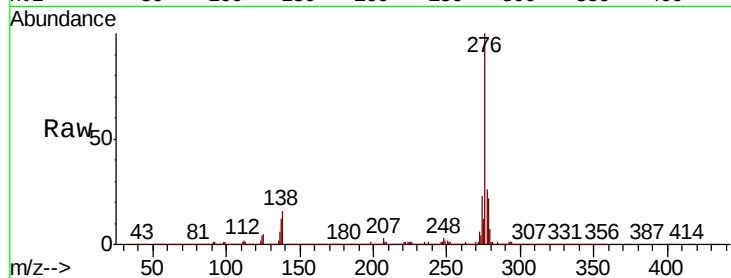
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 45.861 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. 0.05 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Instrument :
 BNA_G
 ClientSampled :
 BFMK4

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	26.2	19.9	29.9

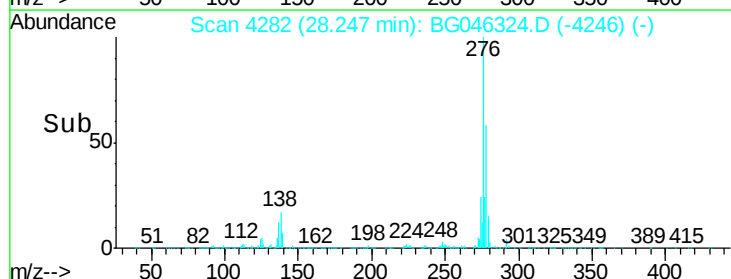
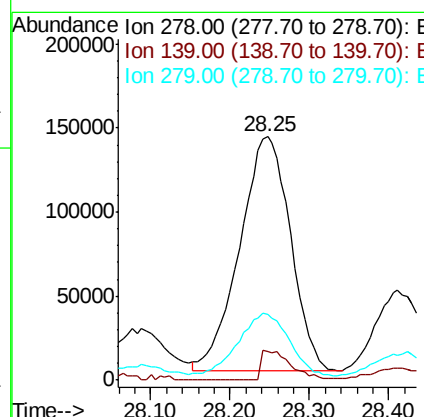
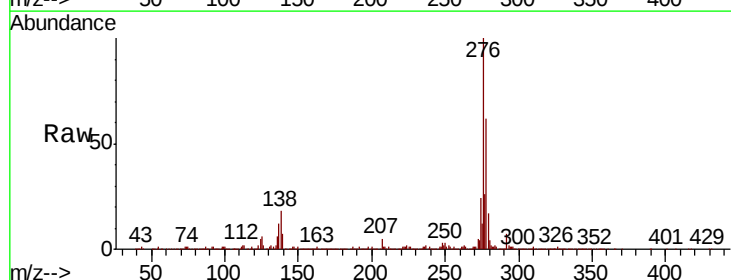
Manual Integrations
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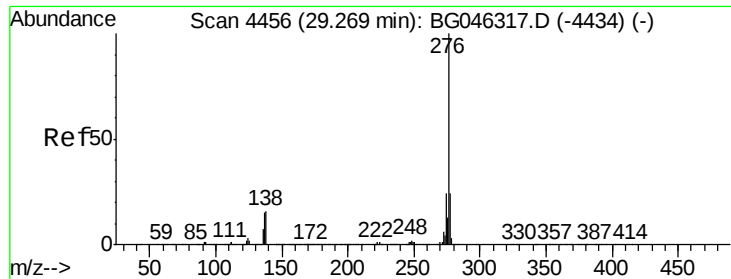
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#29
 Dibenzo(a,h)anthracene
 Concen: 17.057 ng/ul
 RT: 28.25 min Scan# 4282
 Delta R.T. 0.01 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.7	9.8	14.8
279	26.9	19.7	29.5





#30
 Benzo(a,h,i)perylene
 Concen: 41.771 ng/ul
 RT: 29.31 min Scan# 4463
 Delta R.T. 0.05 min
 Lab File: BG046324.D
 Acq: 18 Aug 2020 12:27

Instrument :
 BNA_G
 ClientSampleId :
 BFMK4

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	12.9	19.3
277	24.7	19.4	29.0

Manual Integrations
 APPROVED

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