

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046330.D
 Acq On : 18 Aug 2020 16:29
 Operator : CG/JU
 Sample : L3636-09
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMK5

Manual Integrations
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Quant Time: Aug 18 17:46:23 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	85420	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	339173	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	222369	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	509028	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	504101	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	542481	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	48619	8.33	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	188353	9.20	ng/ul	0.00
10) Fluorene-d10	15.56	176	151648	9.67	ng/ul	0.00
15) Anthracene-d10	17.41	188	221475	9.39	ng/ul	0.00
19) Pyrene-d10	19.69	212	247703	9.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	257026	8.68	ng/ul	0.00

Target Compounds				Qvalue		
4) Naphthalene	10.78	128	40287	2.284	ng/ul	97
8) Acenaphthylene	14.29	152	41492	1.994	ng/ul	99
9) Acenaphthene	14.63	153	27793	1.871	ng/ul	91
11) Fluorene	15.61	166	41938	2.414	ng/ul#	95
14) Phenanthrene	17.35	178	880232	31.433	ng/ul	99
16) Anthracene	17.44	178	141570	5.010	ng/ul	98
17) Fluoranthene	19.36	202	1493290	47.823	ng/ul	98
20) Pyrene	19.72	202	1201120	36.299	ng/ul	99
21) Benzo(a)anthracene	21.54	228	799386	24.373	ng/ul	98
22) Chrysene	21.60	228	816892	25.764	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	1079945	30.104	ng/ul	98
25) Benzo(k)fluoranthene	23.74	252	352938m	9.918	ng/ul	
27) Benzo(a)pyrene	24.52	252	625089	18.980	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.17	276	465447	11.287	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	137988	4.127	ng/ul	94
30) Benzo(g,h,i)perylene	29.27	276	298611	8.652	ng/ul	99

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

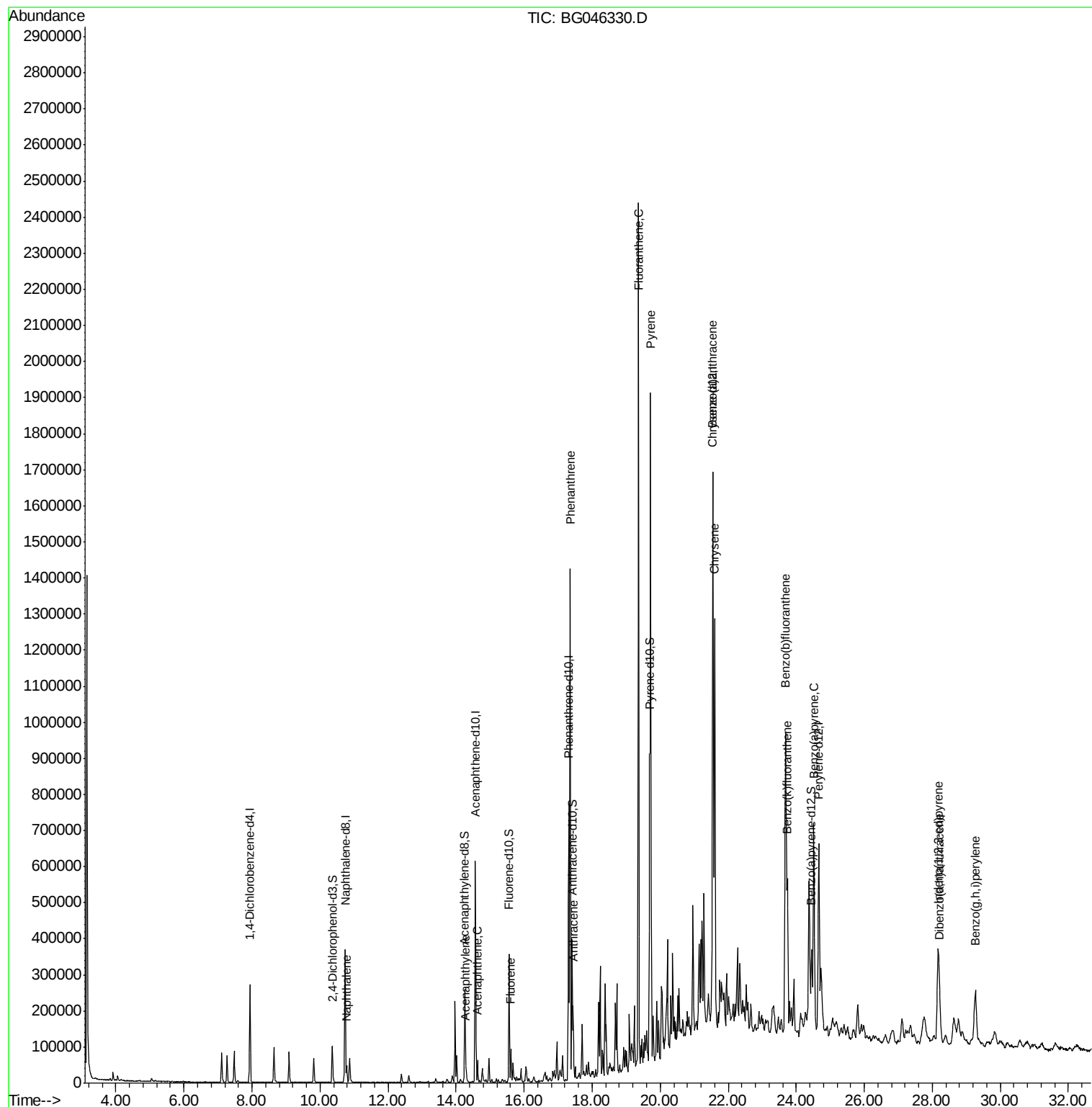
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046330.D
Acq On : 18 Aug 2020 16:29
Operator : CG/JU
Sample : L3636-09
Misc :
ALS Vial : 37 Sample Multiplier: 1

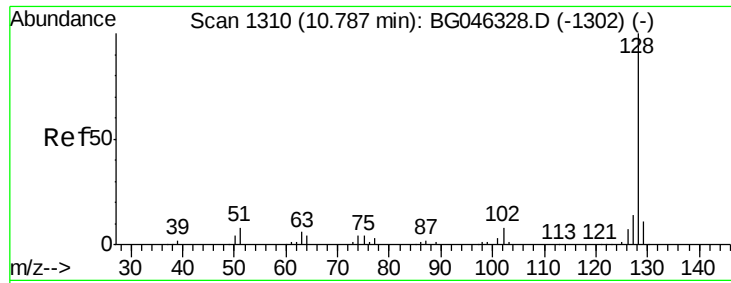
Instrument :
BNA_G
ClientSampleId :
BFMK5

Quant Time: Aug 18 17:46:23 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: 2.284 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Instrument :

BNA_G

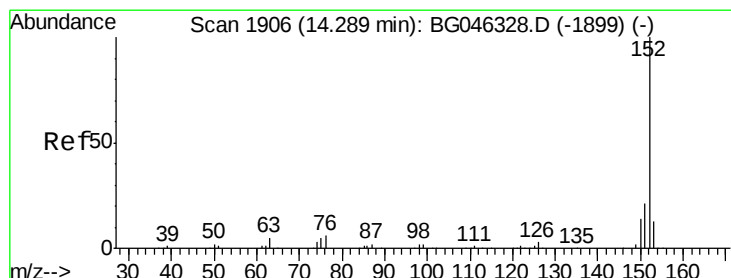
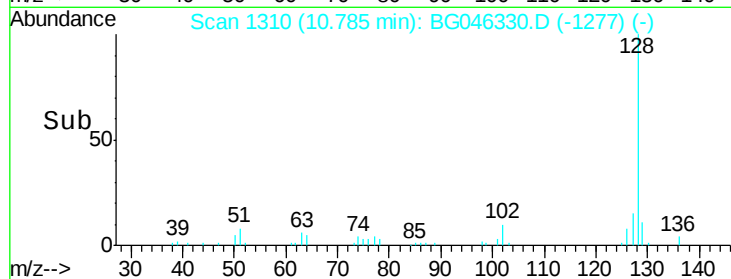
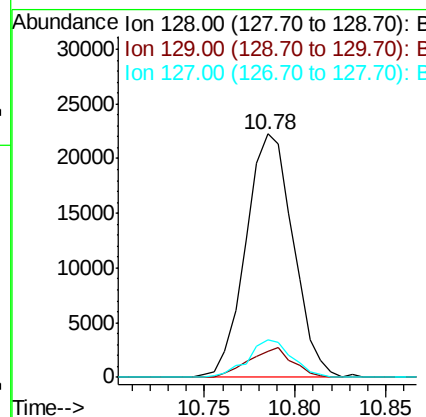
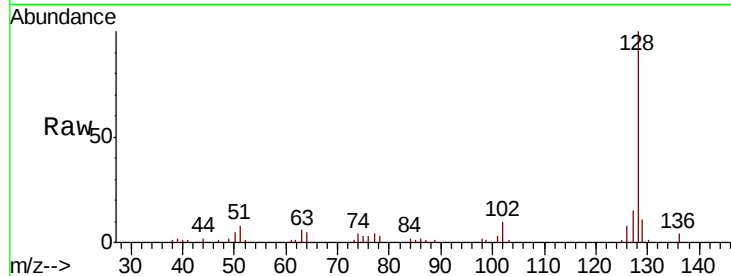
ClientSampleId :

BFMK5

Tot Ion:	128	Resp:	40287
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	15.3	10.9	16.3

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#8

Acenaphthylene

Concen: 1.994 ng/ul

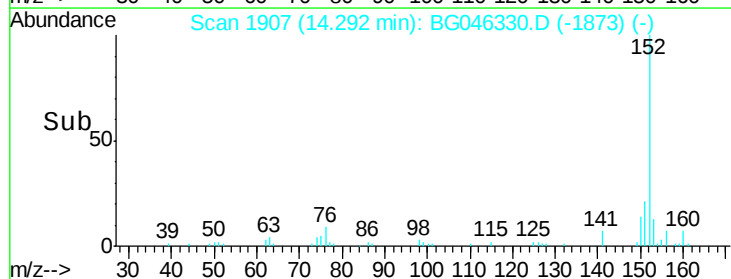
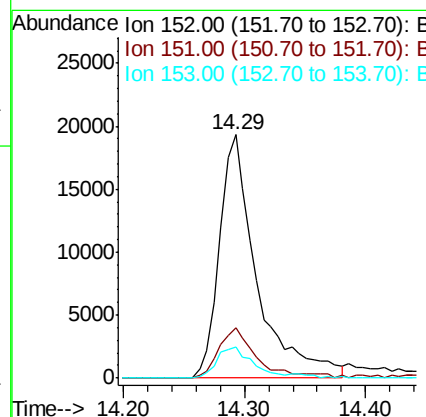
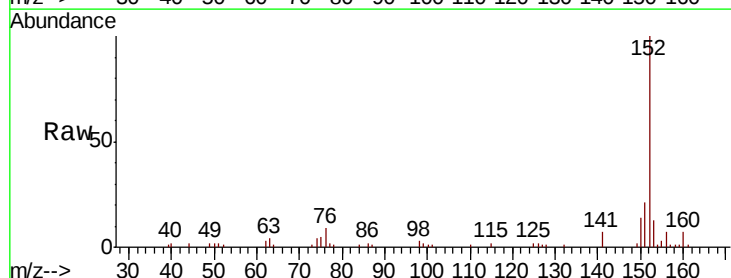
RT: 14.29 min Scan# 1907

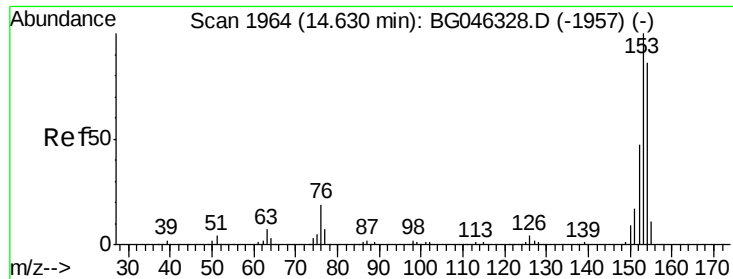
Delta R.T. -0.00 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Tgt Ion:	152	Resp:	41492
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.5	24.7
153	12.7	11.0	16.6





#9

Acenaphthene

Concen: 1.871 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Instrument :

BNA_G

ClientSampleId :

BFMK5

Tot Ion:153 Resp: 27793

Ion Ratio Lower Upper

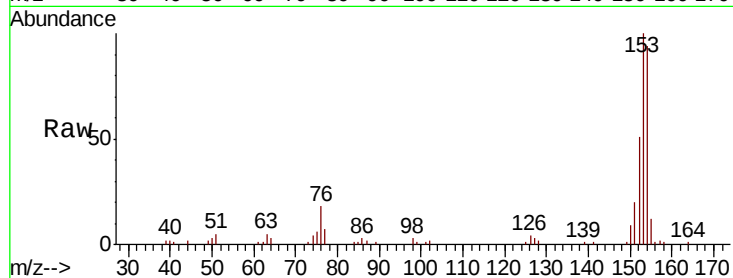
153 100

152 50.7 37.2 55.8

154 94.0 67.8 101.6

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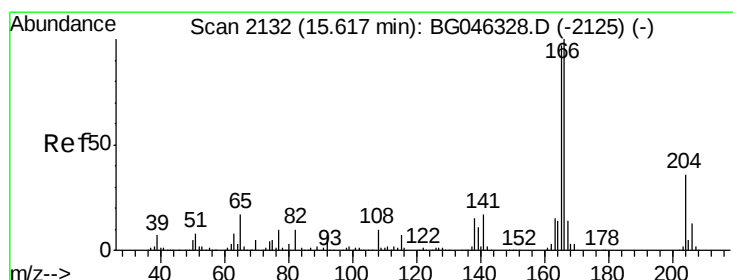
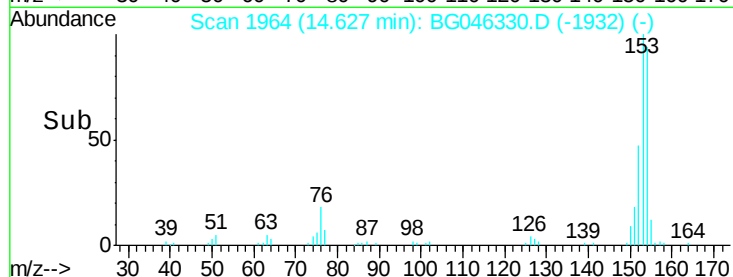
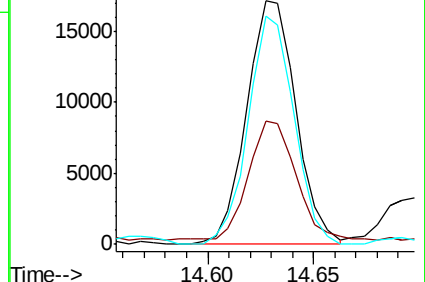
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 2.414 ng/ul

RT: 15.61 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

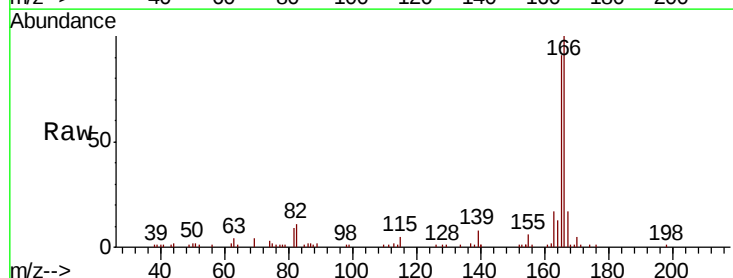
Tgt Ion:166 Resp: 41938

Ion Ratio Lower Upper

166 100

165 90.5 75.9 113.9

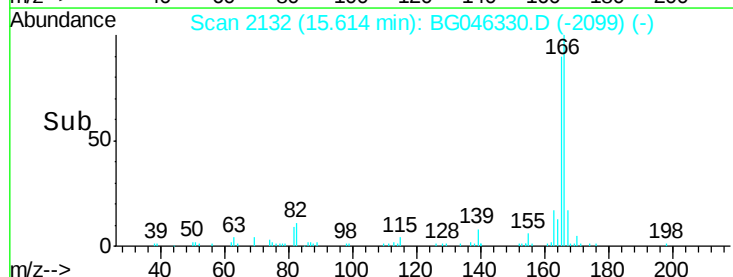
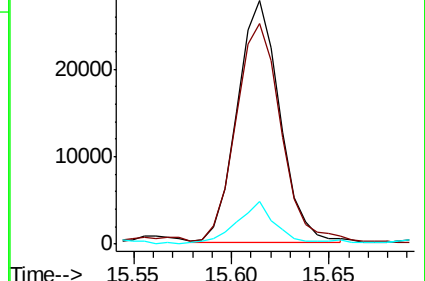
167 17.3 10.7 16.1#

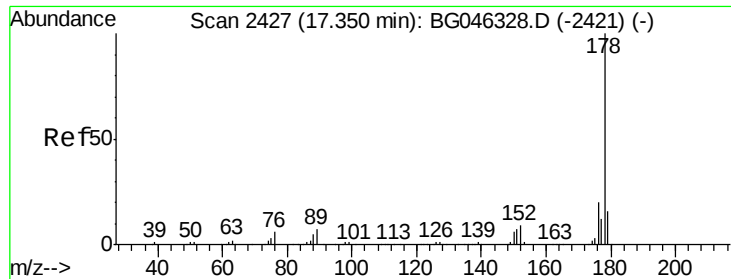


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





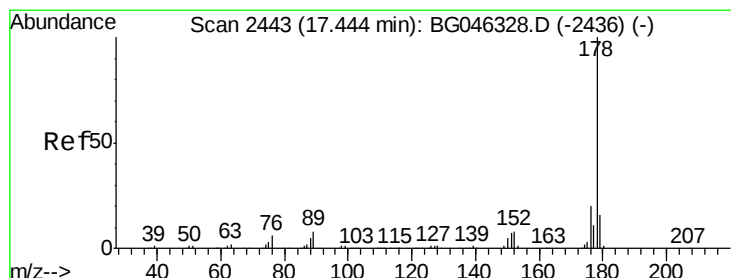
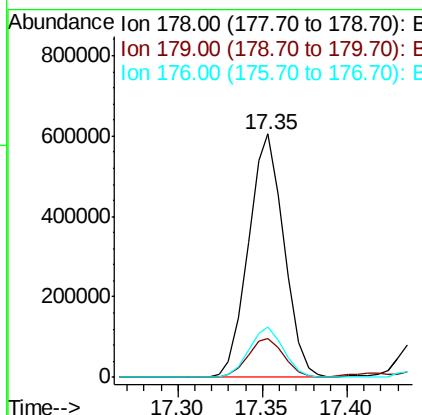
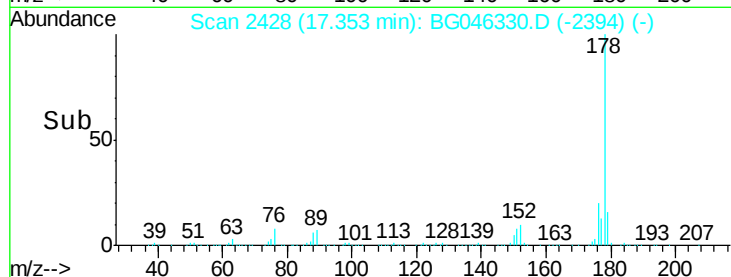
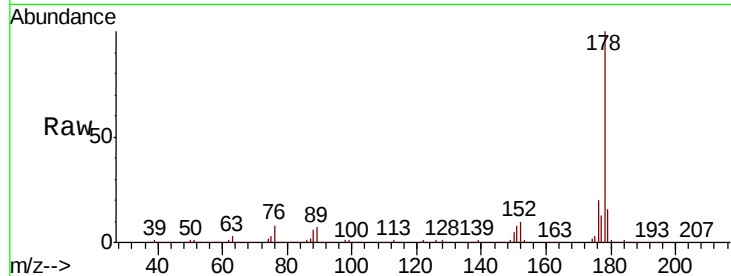
#14
Phenanthrene
Concen: 31.433 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046330.D
Acq: 18 Aug 2020 16:29

Instrument :
BNA_G
ClientSampleId :
BFMK5

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.8	19.2
176	20.5	15.8	23.8

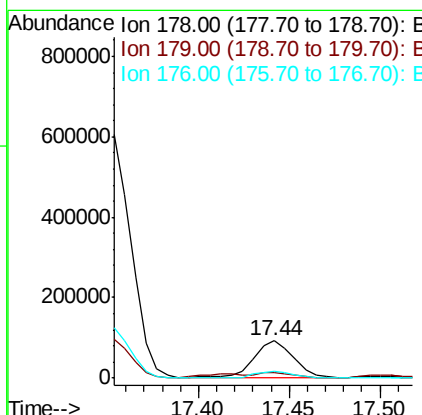
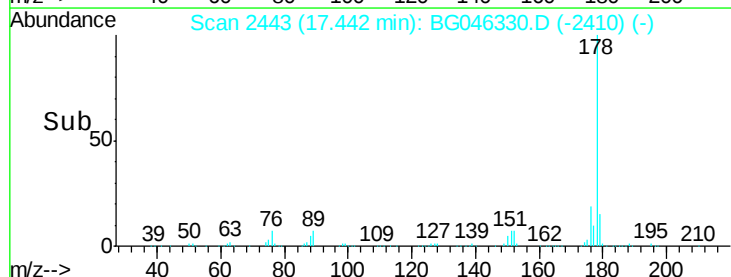
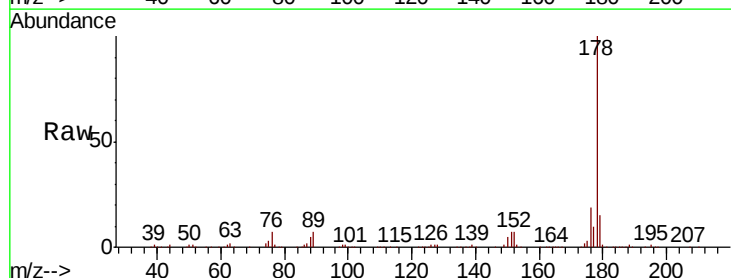
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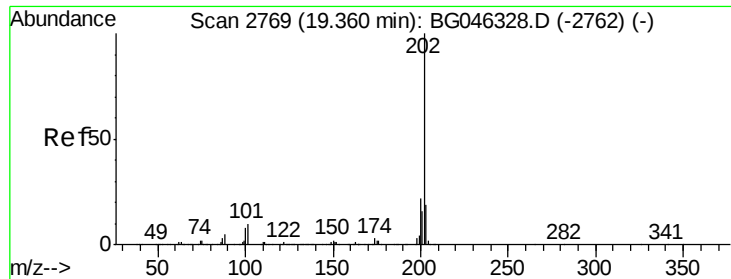
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#16
Anthracene
Concen: 5.010 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG046330.D
Acq: 18 Aug 2020 16:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	13.2	19.8
176	19.3	15.2	22.8





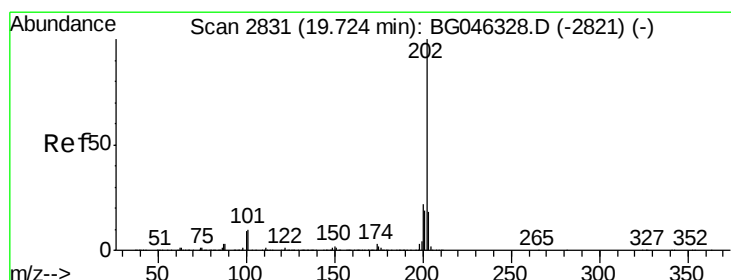
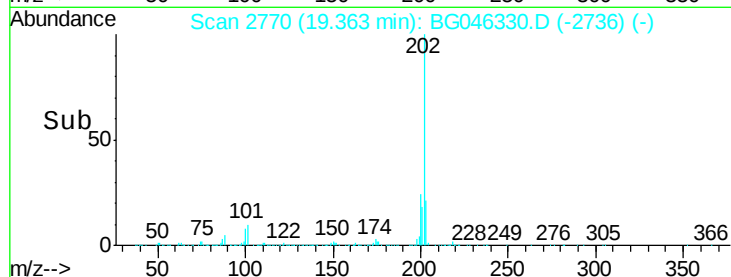
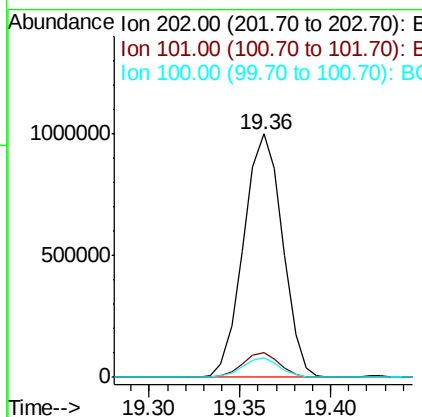
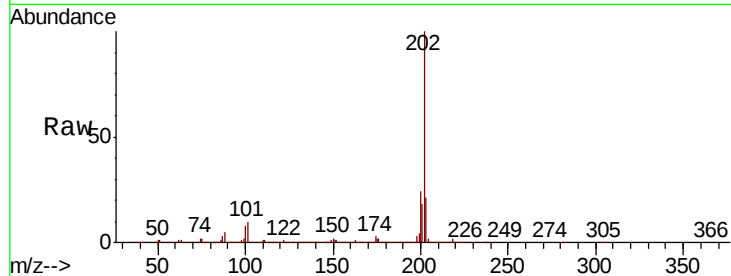
#17
Fluoranthene
 Concen: 47.823 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046330.D
 Acq: 18 Aug 2020 16:29

Instrument :
 BNA_G
 ClientSampleId :
 BFMK5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.8	11.6
100	8.0	5.9	8.9

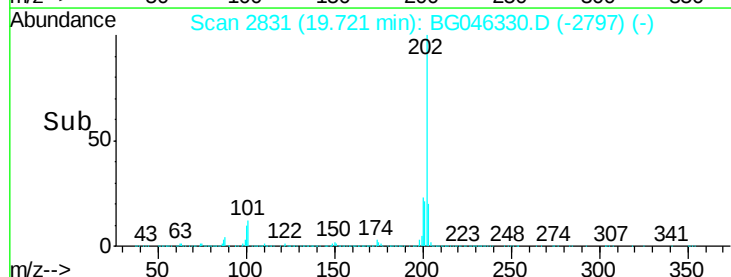
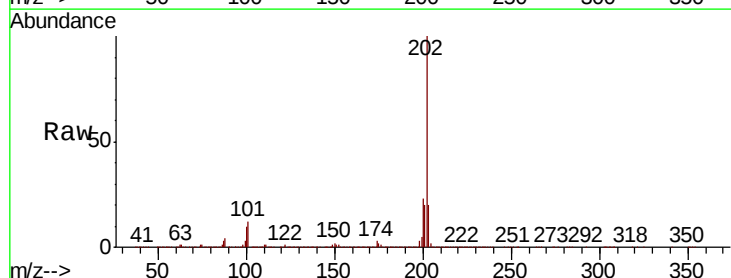
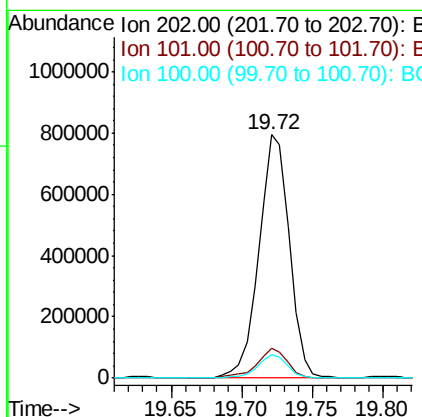
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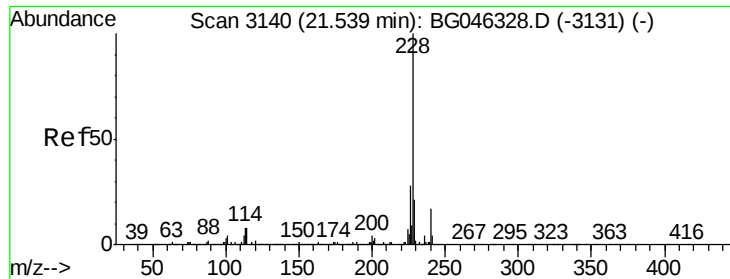
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#20
Pyrene
 Concen: 36.299 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. -0.00 min
 Lab File: BG046330.D
 Acq: 18 Aug 2020 16:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	8.9	13.3
100	9.9	7.9	11.9





#21

Benzo(a)anthracene

Concen: 24.373 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Instrument :

BNA_G

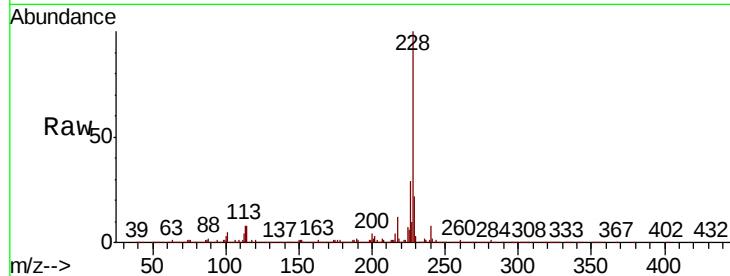
ClientSampleId :

BFMK5

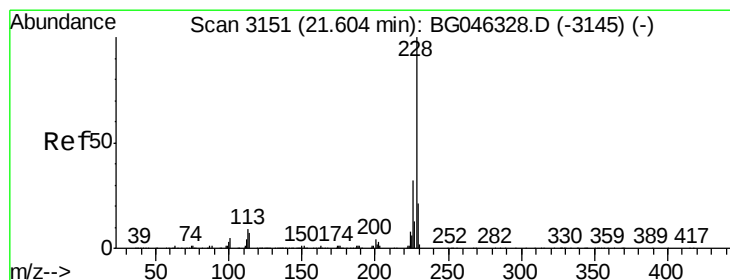
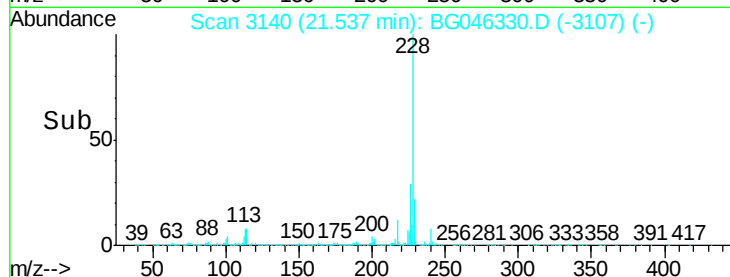
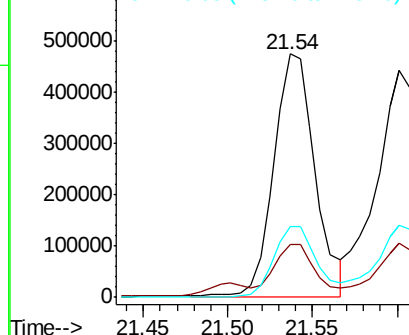
Tot Ion:	228	Resp:	799386
Ion Ratio	Lower	Upper	
228	100		
229	21.9	16.6	25.0
226	29.3	22.6	33.8

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



#22

Chrysene

Concen: 25.764 ng/ul

RT: 21.60 min Scan# 3151

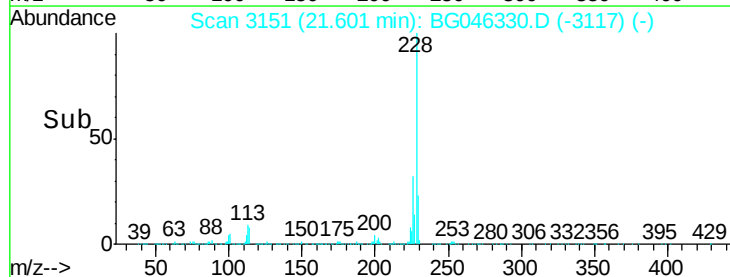
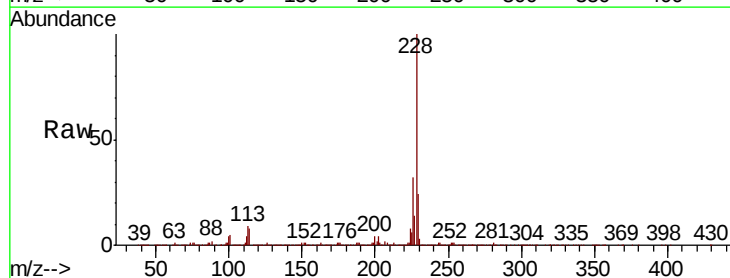
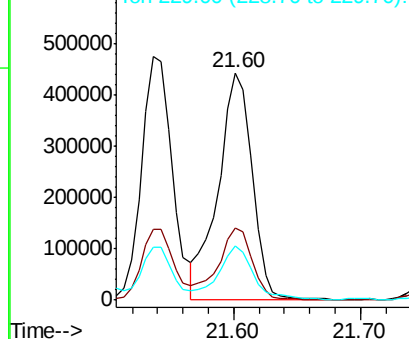
Delta R.T. -0.00 min

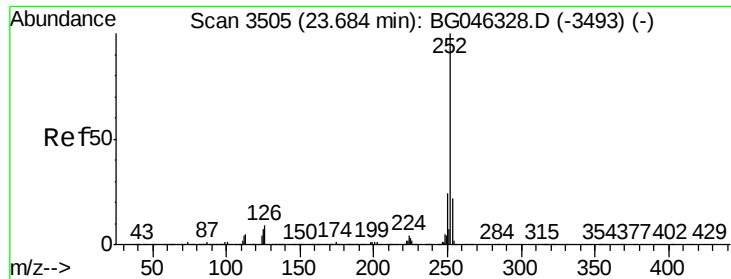
Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Tgt Ion:	228	Resp:	816892
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.5	38.3
229	23.9	17.0	25.4

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





#24

Benzo(b)fluoranthene

Concen: 30.104 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Instrument :

BNA_G

ClientSampleId :

BFMK5

Tot Ion:252 Resp: 1079945

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

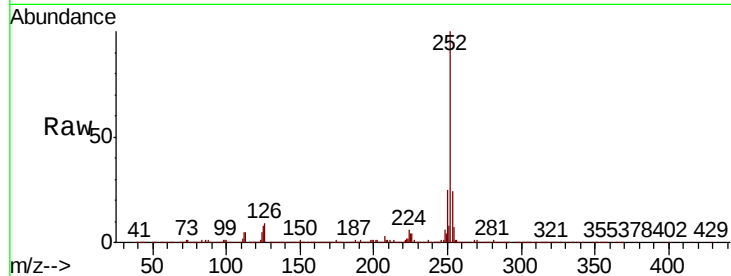
125 8.1 6.4 9.6

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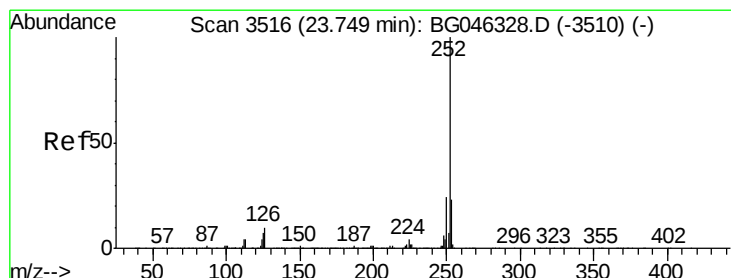
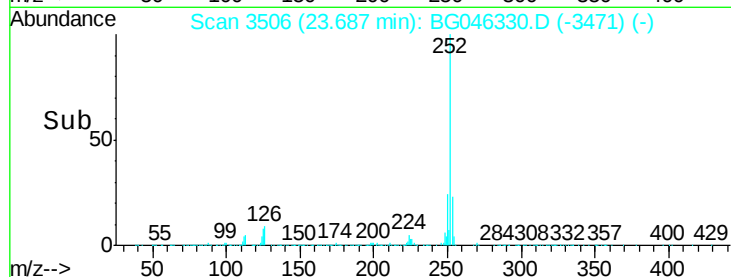
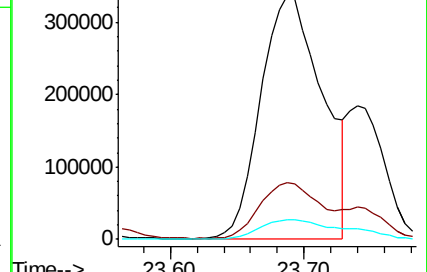
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 9.918 ng/ul m

RT: 23.74 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

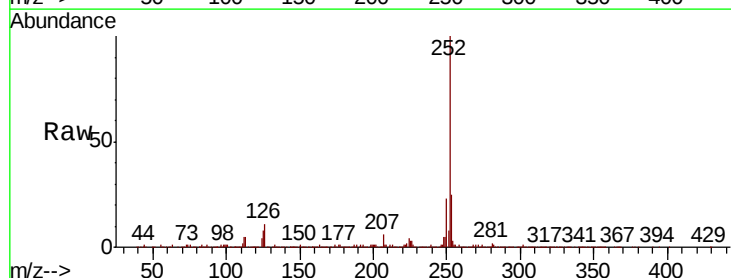
Tgt Ion:252 Resp: 352938

Ion Ratio Lower Upper

252 100

253 24.6 18.5 27.7

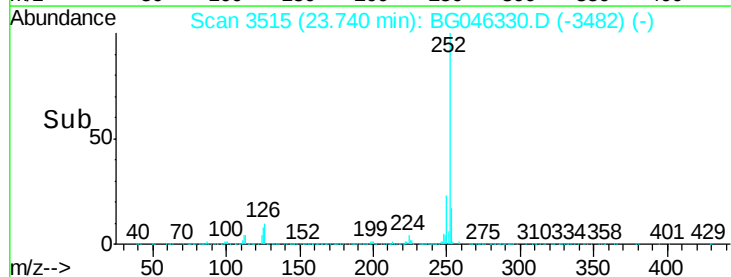
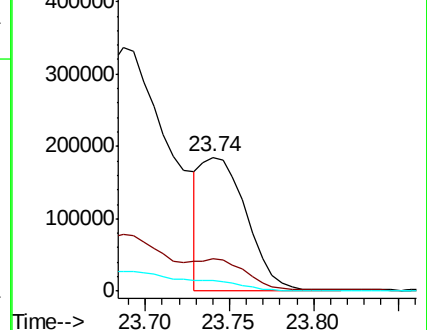
125 7.8 6.2 9.2

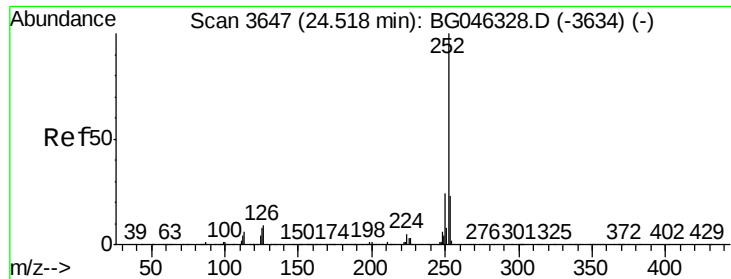


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 18.980 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Instrument :

BNA_G

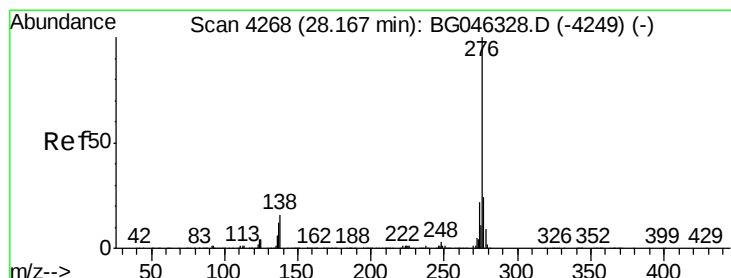
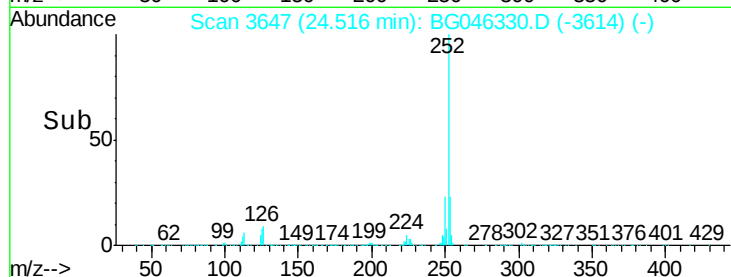
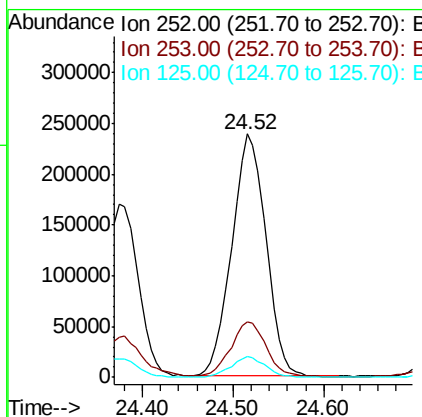
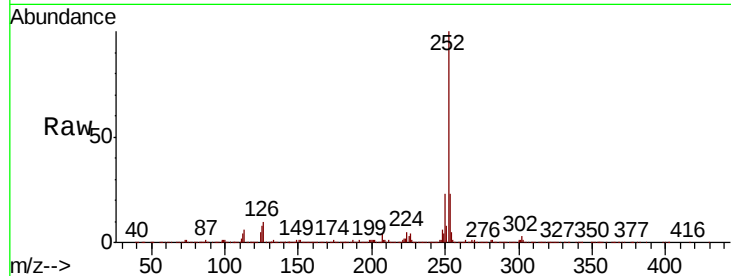
ClientSampleId :

BFMK5

Tot Ion:	252	Resp:	625089
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	8.5	7.1	10.7

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8/19/2020 2:17:32 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 11.287 ng/ul

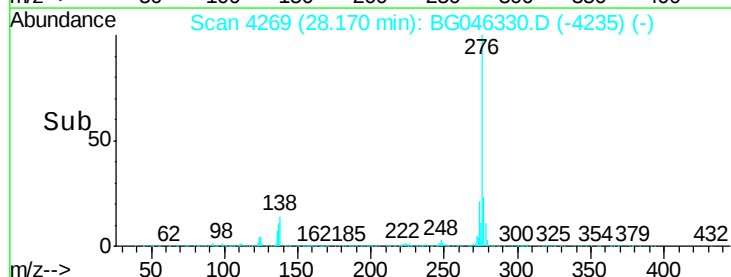
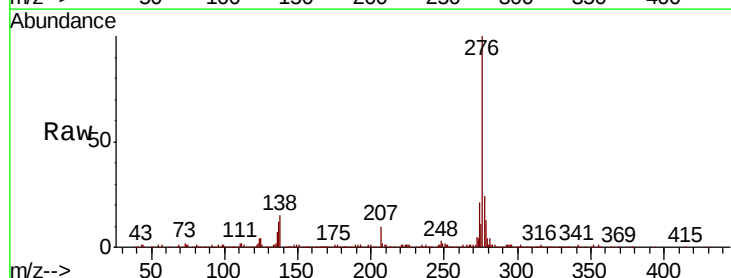
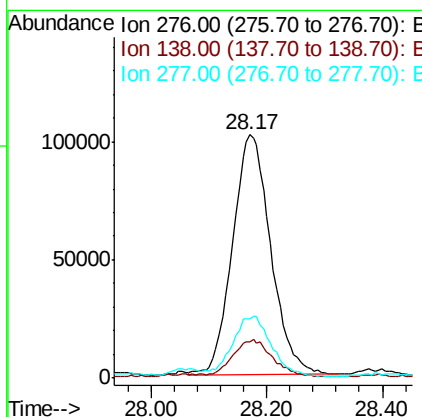
RT: 28.17 min Scan# 4269

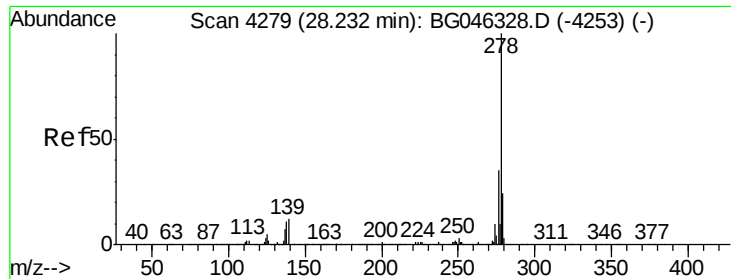
Delta R.T. -0.00 min

Lab File: BG046330.D

Acq: 18 Aug 2020 16:29

Tgt Ion:	276	Resp:	465447
Ion Ratio	Lower	Upper	
276	100		
138	15.1	13.2	19.8
277	24.3	19.9	29.9





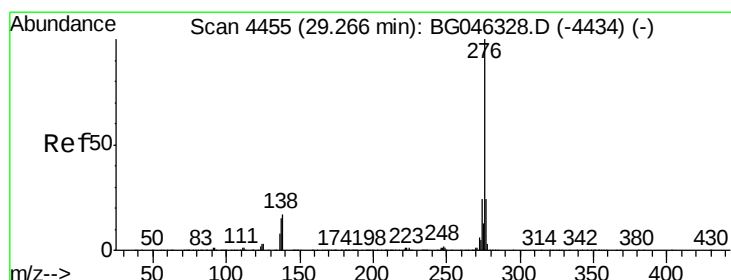
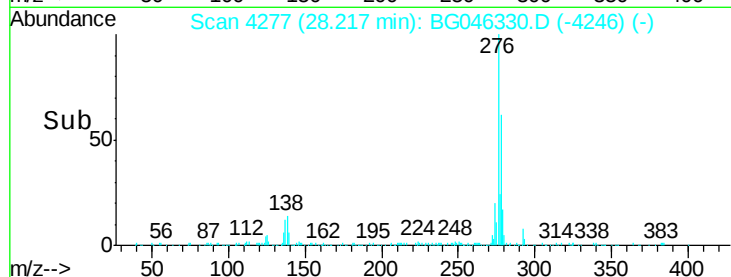
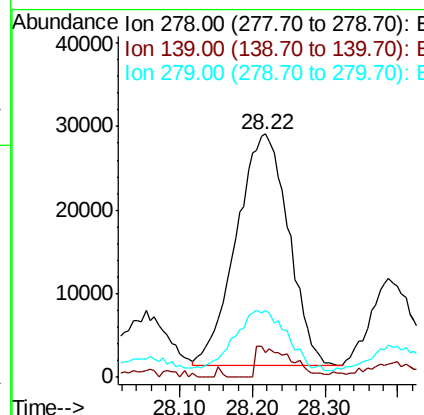
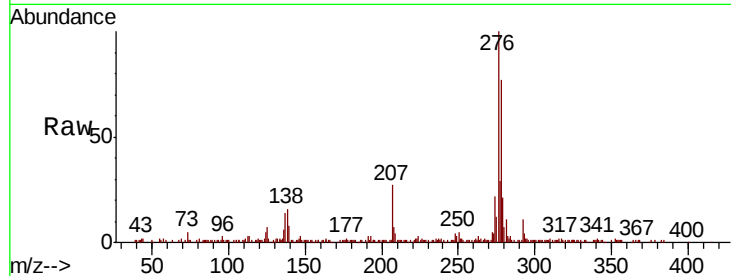
#29
Dibenzo(a,h)anthracene
Concen: 4.127 ng/ul
RT: 28.22 min Scan# 4277
Delta R.T. -0.02 min
Lab File: BG046330.D
Acq: 18 Aug 2020 16:29

Instrument :
BNA_G
ClientSampleId :
BFMK5

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.0	9.8	14.8
279	27.7	19.7	29.5

Manual Integrations
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#30
Benzo(g,h,i)perylene
Concen: 8.652 ng/ul
RT: 29.27 min Scan# 4456
Delta R.T. 0.00 min
Lab File: BG046330.D
Acq: 18 Aug 2020 16:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.9	19.3
277	24.9	19.4	29.0

