

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046304.D
 Acq On : 17 Aug 2020 19:13
 Operator : CG/JU
 Sample : L3632-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM95

Quant Time: Aug 18 01:26:07 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	76109	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	318692	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	222704	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	541174	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	547690	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	577241	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.36	165	25750	4.69	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	104942	5.12	ng/ul	0.00
10) Fluorene-d10	15.56	176	91634	5.83	ng/ul	0.00
15) Anthracene-d10	17.41	188	137938	5.50	ng/ul	0.00
19) Pyrene-d10	19.69	212	150621	5.34	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.44	264	150096	4.76	ng/ul	-0.01

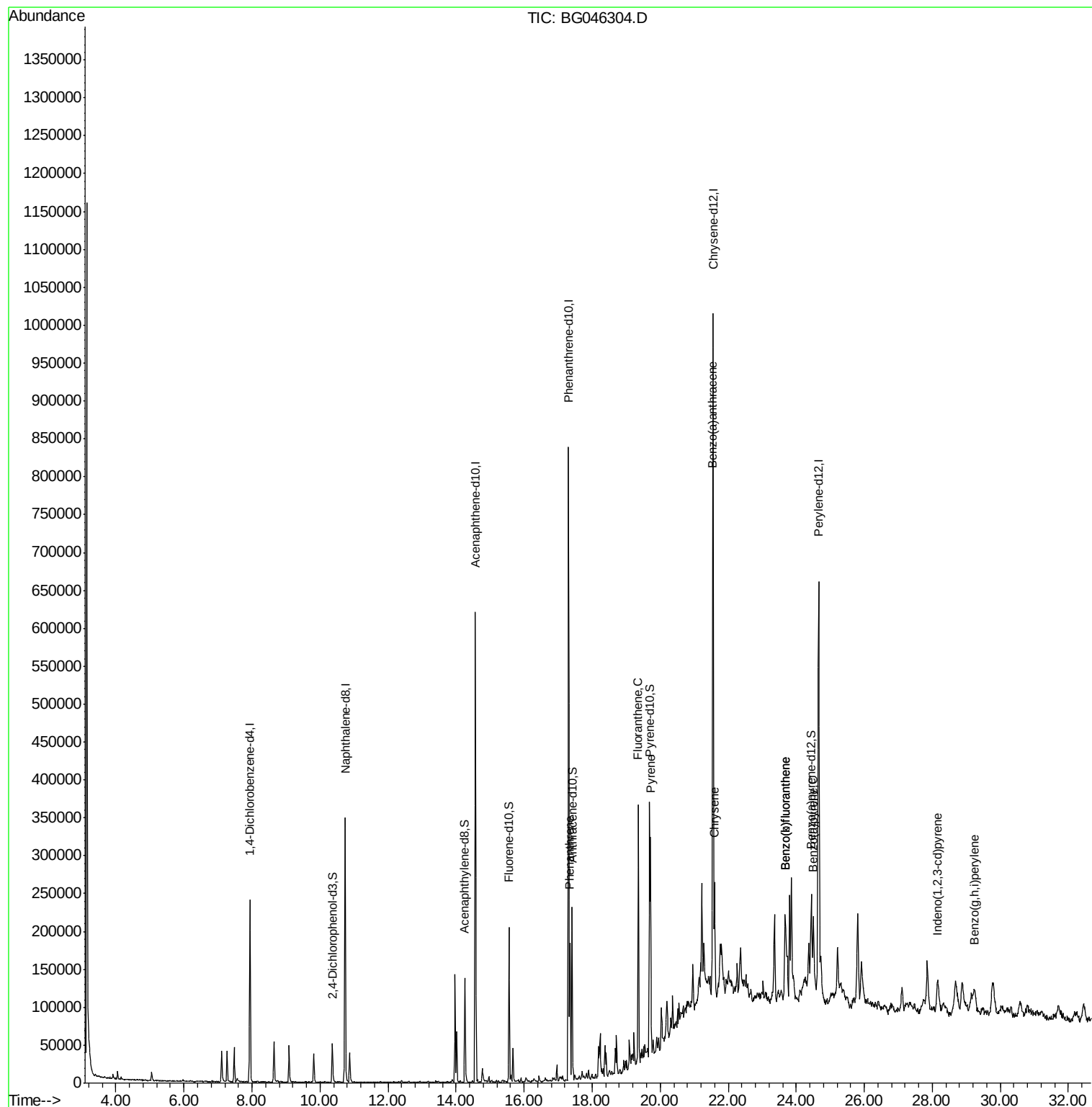
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Phenanthrene	17.35	178	122708	4.122	ng/ul	97
17) Fluoranthene	19.36	202	218437	6.580	ng/ul	98
20) Pyrene	19.72	202	192915	5.366	ng/ul	96
21) Benzo(a)anthracene	21.54	228	100475	2.820	ng/ul	96
22) Chrysene	21.60	228	114947	3.337	ng/ul	94
24) Benzo(b)fluoranthene	23.68	252	153106	4.011	ng/ul	99
25) Benzo(k)fluoranthene	23.68	252	153106	4.043	ng/ul	99
27) Benzo(a)pyrene	24.50	252	92313	2.634	ng/ul	95
28) Indeno(1,2,3-cd)pyrene	28.16	276	72958	1.663	ng/ul	97
30) Benzo(g,h,i)perylene	29.24	276	53859	1.467	ng/ul	93

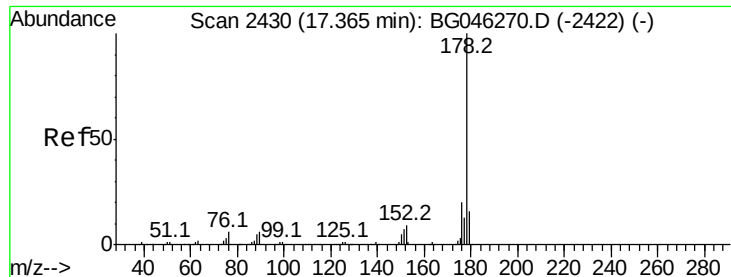
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 4.122 ng/ul

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG046304.D

Acq: 17 Aug 2020 19:13

Instrument :

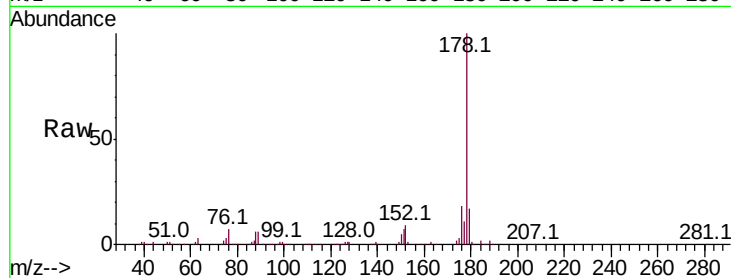
BNA_G

ClientSampleId :

BFM95

Tot Ion:178 Resp: 122708

Ion	Ratio	Lower	Upper
178	100		
179	16.9	12.8	19.2
176	17.7	15.8	23.8

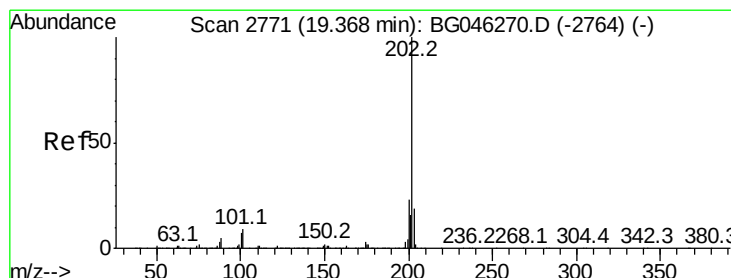
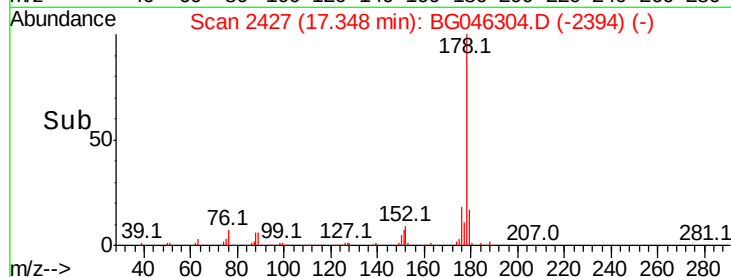
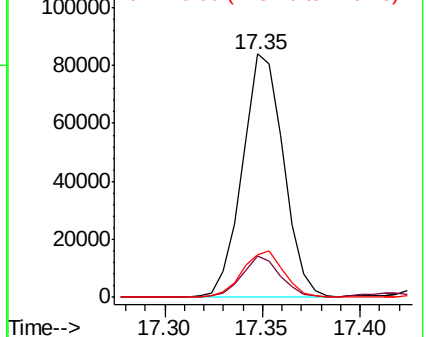


Abundance

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: 6.580 ng/ul

RT: 19.36 min Scan# 2769

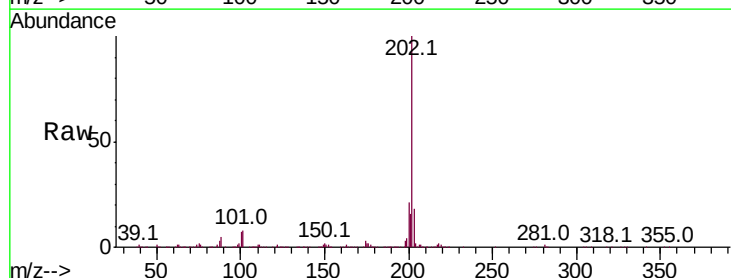
Delta R.T. -0.01 min

Lab File: BG046304.D

Acq: 17 Aug 2020 19:13

Tgt Ion:202 Resp: 218437

Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.8	11.6
100	7.2	5.9	8.9

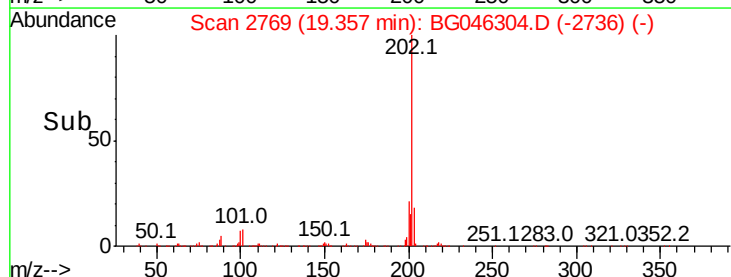
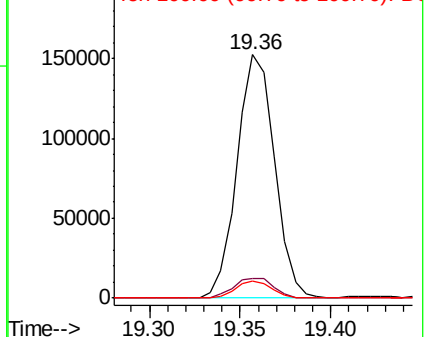


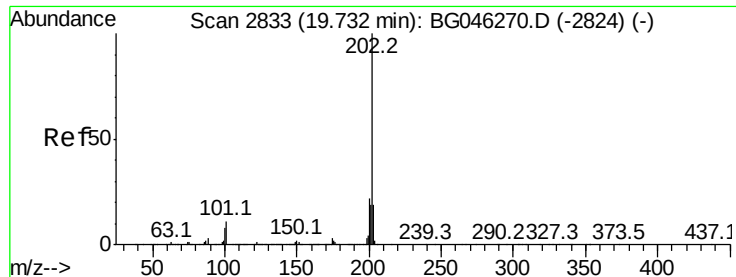
Abundance

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

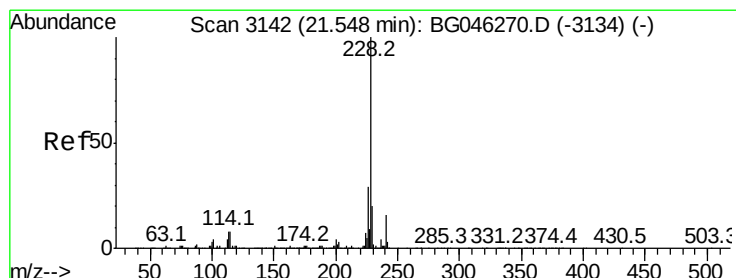
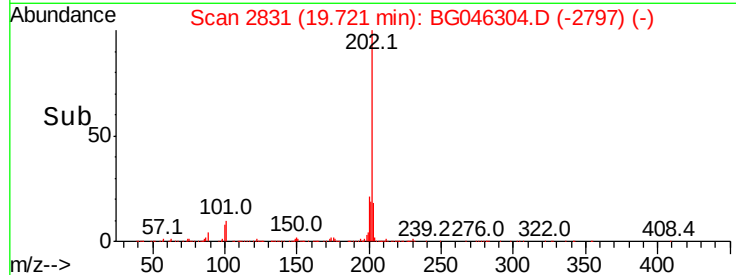
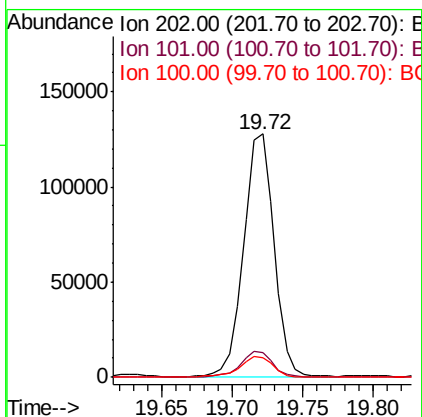
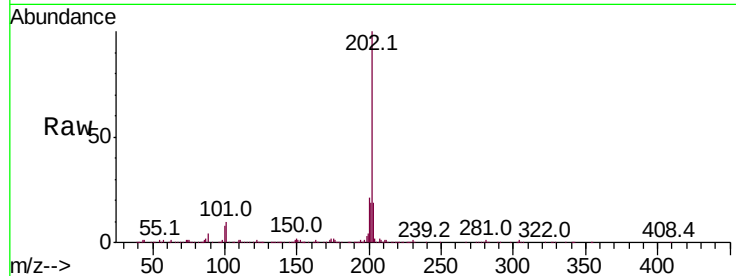




#20
Pvrene
Concen: 5.366 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046304.D
Acq: 17 Aug 2020 19:13

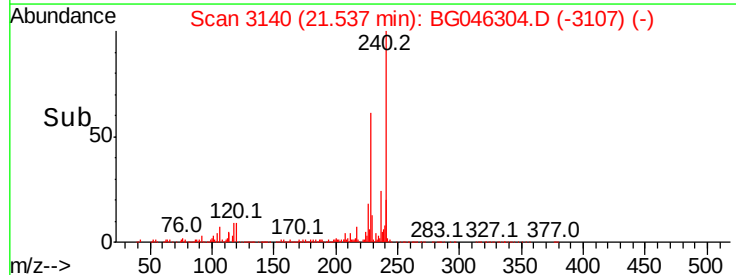
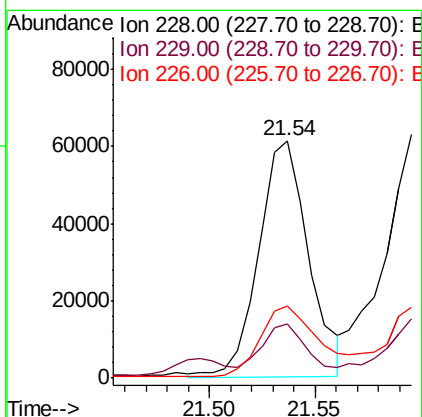
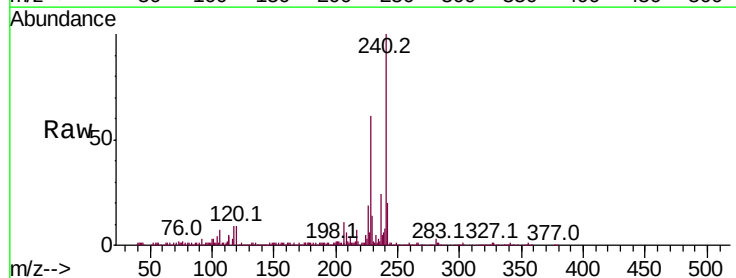
Instrument :
BNA_G
ClientSampleId :
BFM95

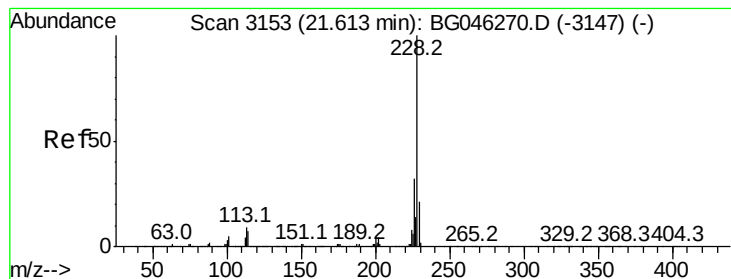
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.9	13.3
100	8.0	7.9	11.9



#21
Benzo(a)anthracene
Concen: 2.820 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046304.D
Acq: 17 Aug 2020 19:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.6	16.6	25.0
226	30.5	22.6	33.8





#22

Chrysene

Concen: 3.337 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG046304.D

Acq: 17 Aug 2020 19:13

Instrument :

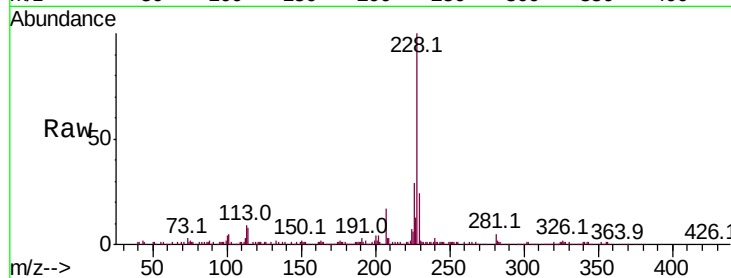
BNA_G

ClientSampleId :

BFM95

Tot Ion:228 Resp: 114947

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.5	38.3
229	24.3	17.0	25.4

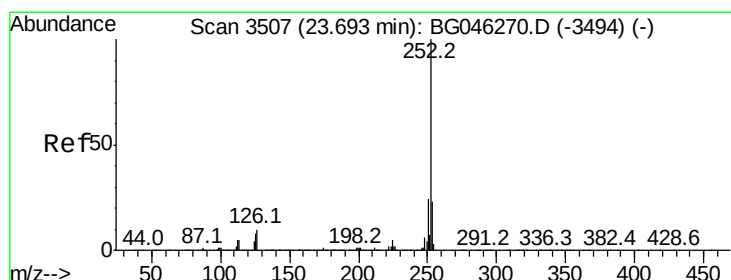
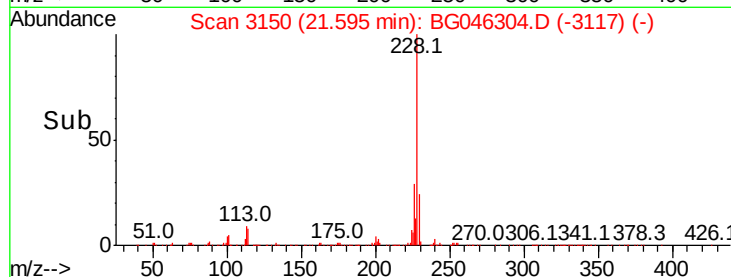
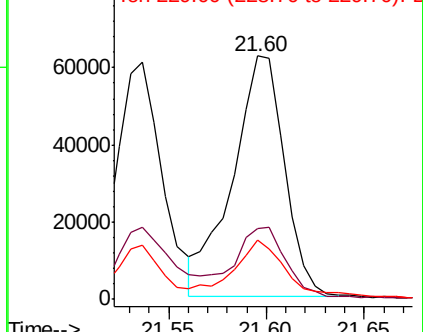


Abundance

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: 4.011 ng/ul

RT: 23.68 min Scan# 3505

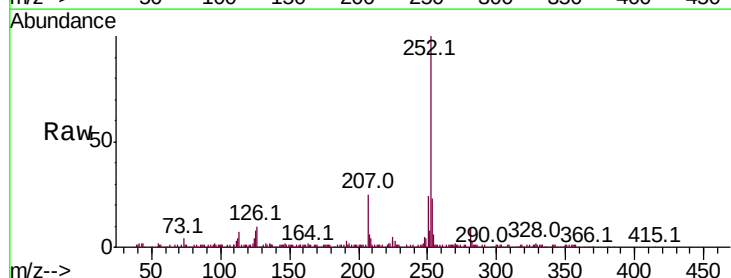
Delta R.T. -0.00 min

Lab File: BG046304.D

Acq: 17 Aug 2020 19:13

Tgt Ion:252 Resp: 153106

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	7.9	6.4	9.6

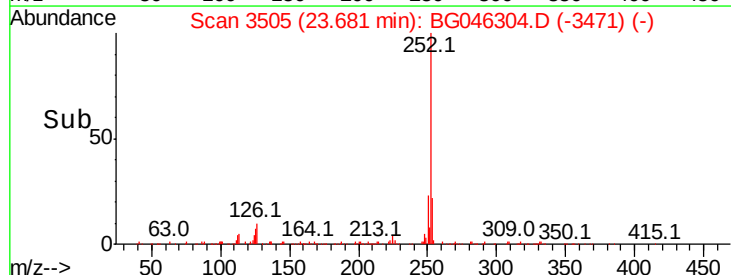
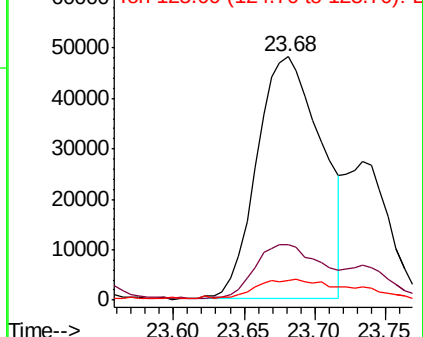


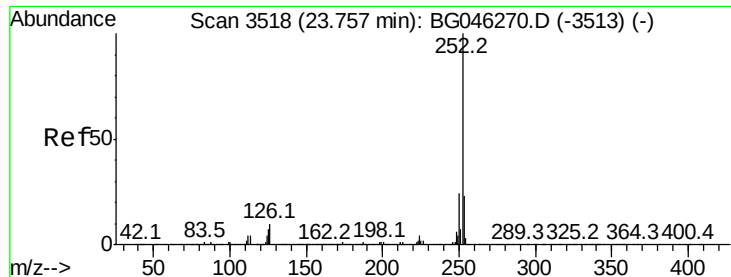
Abundance

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: 4.043 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.07 min

Lab File: BG046304.D

Acq: 17 Aug 2020 19:13

Instrument :

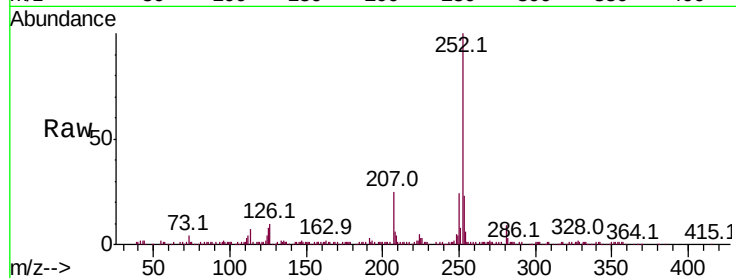
BNA_G

ClientSampleId :

BFM95

Tot Ion:252 Resp: 153106

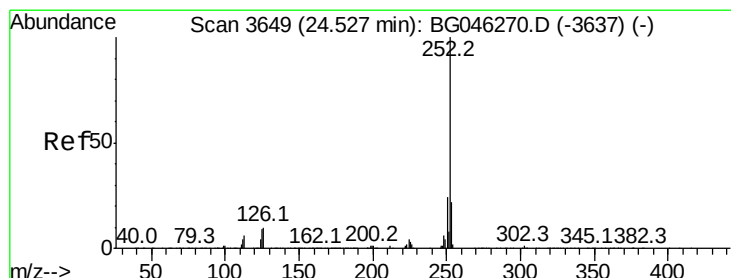
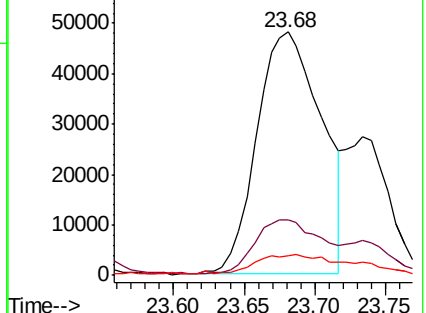
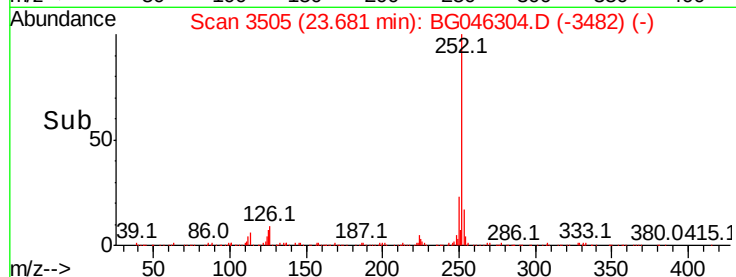
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	7.9	6.2	9.2



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: 2.634 ng/ul

RT: 24.50 min Scan# 3645

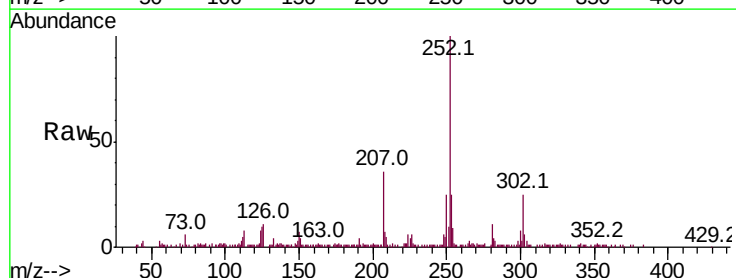
Delta R.T. -0.02 min

Lab File: BG046304.D

Acq: 17 Aug 2020 19:13

Tgt Ion:252 Resp: 92313

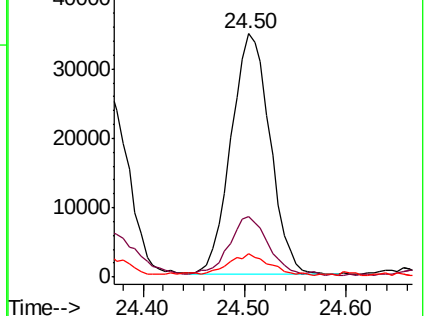
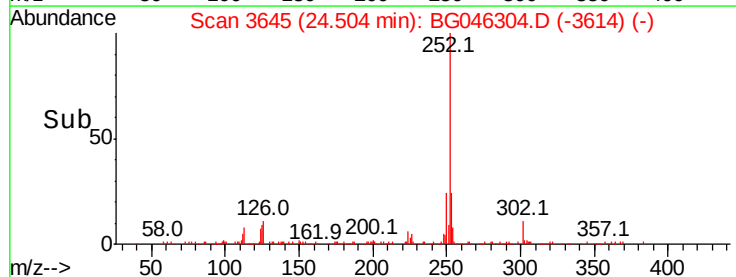
Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	9.8	7.1	10.7

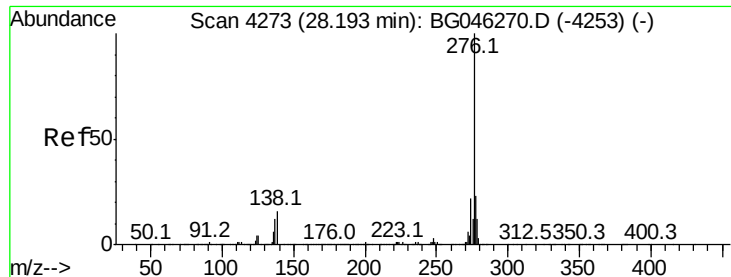


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



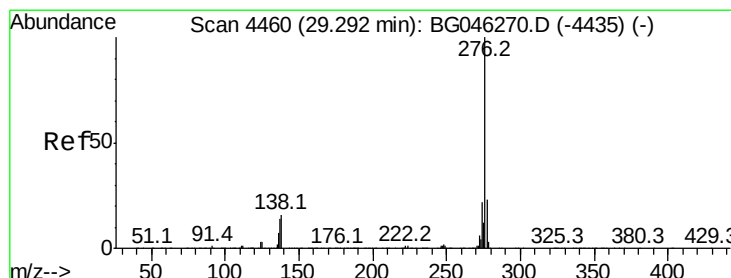
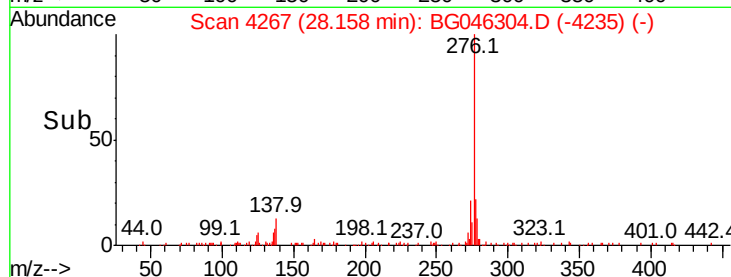
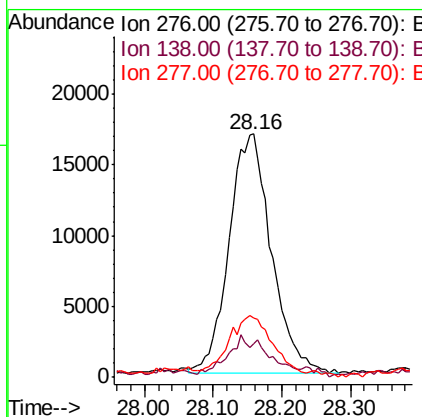
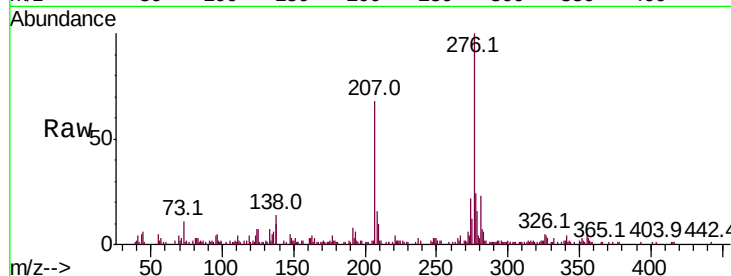


#28

Indeno(1,2,3-cd)pyrene
Concen: 1.663 ng/ul
RT: 28.16 min Scan# 4267
Delta R.T. -0.01 min
Lab File: BG046304.D
Acq: 17 Aug 2020 19:13

Instrument :
BNA_G
ClientSampleId :
BFM95

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.9	13.2	19.8
277	24.1	19.9	29.9



#30

Benzo(g,h,i)perylene
Concen: 1.467 ng/ul
RT: 29.24 min Scan# 4451
Delta R.T. -0.03 min
Lab File: BG046304.D
Acq: 17 Aug 2020 19:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	12.9	19.3
277	19.5	19.4	29.0

