

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046340.D
 Acq On : 19 Aug 2020 10:01
 Operator : CG/JU
 Sample : L3636-08DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 BFMK4DL

Manual Integrations
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Quant Time: Aug 19 11:10:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 19 11:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	92217	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	365064	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	245938	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	567532	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	576665	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	636230	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	9074	1.44	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	42501	1.88	ng/ul	0.00
10) Fluorene-d10	15.56	176	34482	1.99	ng/ul	0.00
15) Anthracene-d10	17.41	188	55714	2.12	ng/ul	0.00
19) Pyrene-d10	19.69	212	59966	2.02	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	70374	2.03	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	23562	1.024	ng/ul	93
9) Acenaphthene	14.63	153	19488	1.186	ng/ul	98
11) Fluorene	15.61	166	33091	1.722	ng/ul	97
14) Phenanthrene	17.35	178	1034835	33.144	ng/ul	97
16) Anthracene	17.44	178	151450	4.808	ng/ul	99
17) Fluoranthene	19.36	202	1679312	48.237	ng/ul	97
20) Pyrene	19.72	202	1344876	35.529	ng/ul	98
21) Benzo(a)anthracene	21.54	228	818919	21.826	ng/ul	100
22) Chrysene	21.60	228	816036	22.499	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	951061	22.605	ng/ul	96
25) Benzo(k)fluoranthene	23.75	252	382318m	9.161	ng/ul	
27) Benzo(a)pyrene	24.52	252	628733	16.278	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.18	276	430454	8.900	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	139236m	3.551	ng/ul	
30) Benzo(a,h,i)perylene	29.26	276	330178	8.157	ng/ul	97

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

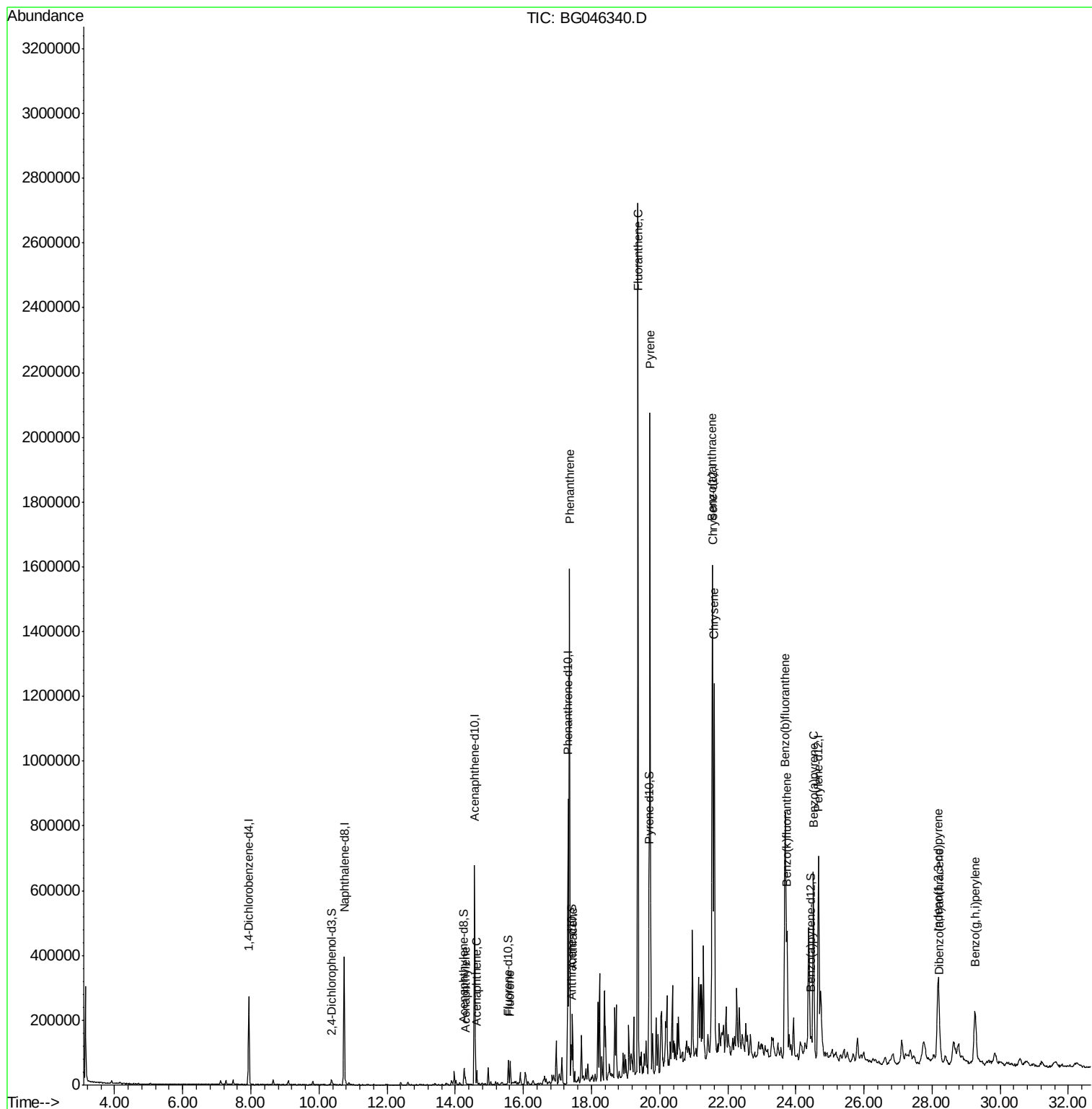
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046340.D
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ALS Vial : 3 Sample Multiplier: 1

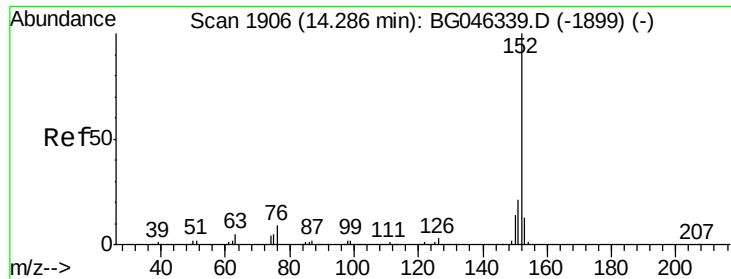
Instrument :
BNA_G
ClientSampleId :
BFMK4DL

Quant Time: Aug 19 11:10:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
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#8

Acenaphthylene

Concen: 1.024 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Instrument :

BNA_G

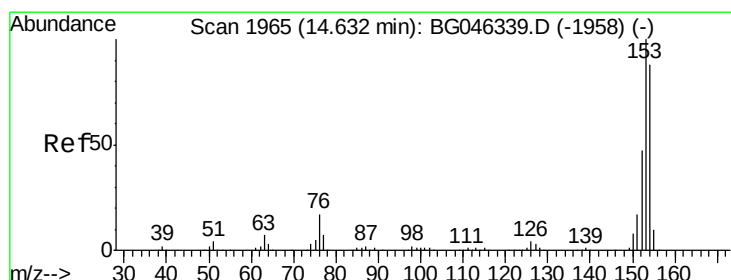
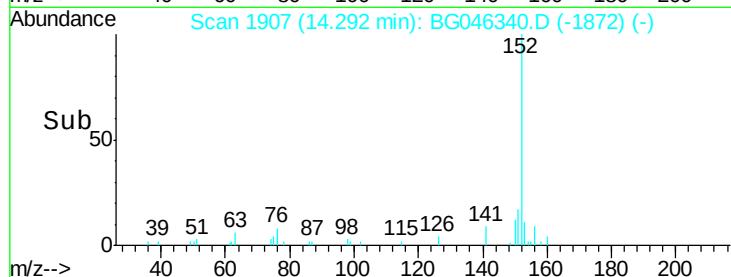
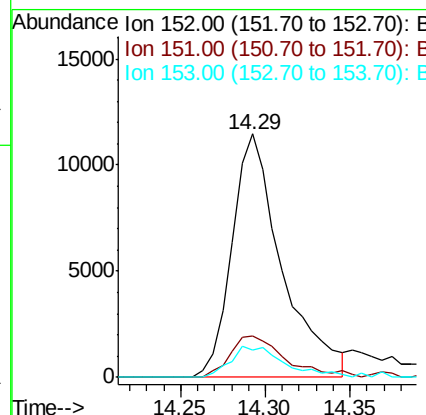
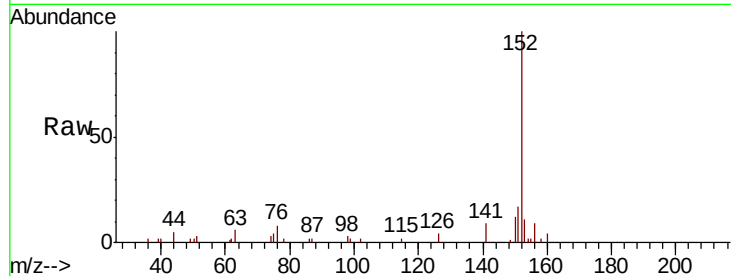
ClientSampleId :

BFMK4DL

Tot Ion:	152	Resp:	23562
Ion Ratio	Lower	Upper	
152	100		
151	17.2	16.5	24.7
153	11.4	11.0	16.6

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#9

Acenaphthene

Concen: 1.186 ng/ul

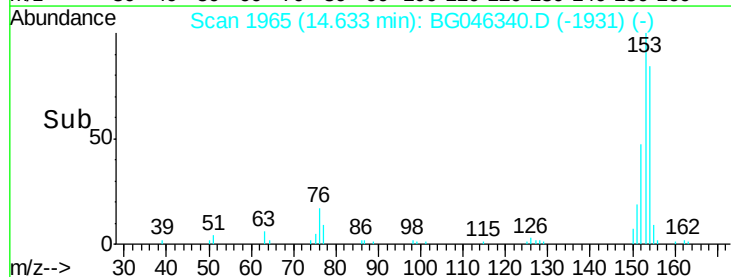
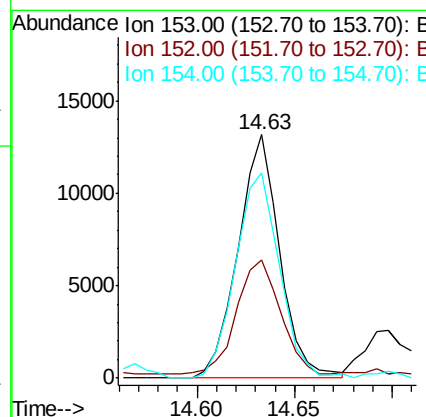
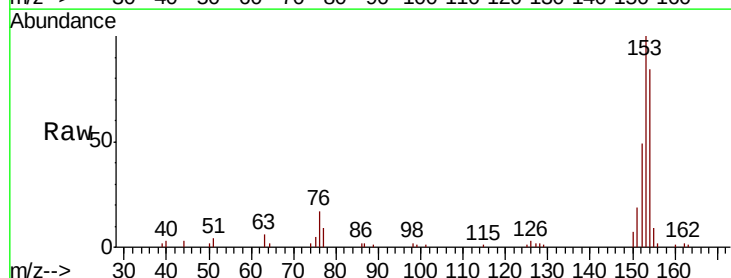
RT: 14.63 min Scan# 1965

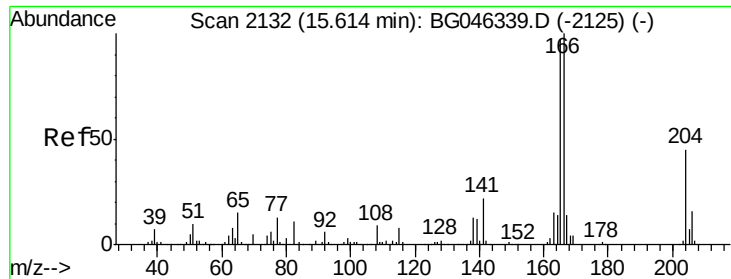
Delta R.T. 0.00 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Tgt Ion:	153	Resp:	19488
Ion Ratio	Lower	Upper	
153	100		
152	48.8	37.2	55.8
154	84.1	67.8	101.6





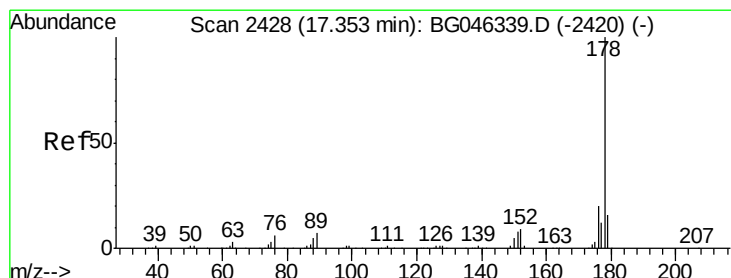
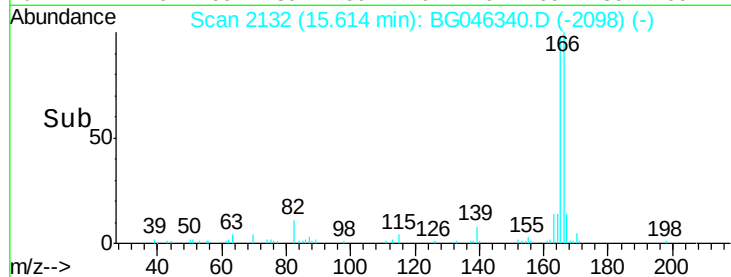
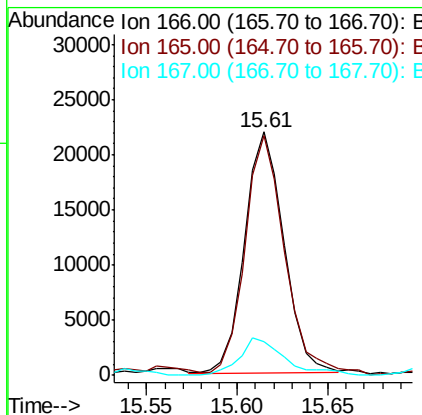
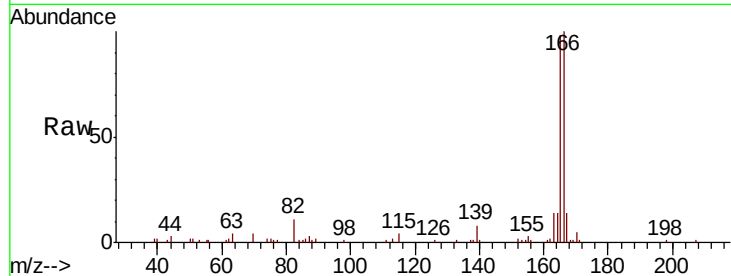
#11
 Fluorene
 Concen: 1.722 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046340.D
 Acq: 19 Aug 2020 10:01

Instrument :
 BNA_G
 ClientSampleId :
 BFMK4DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	33091		
165	98.3	75.9	113.9	
167	13.8	10.7	16.1	

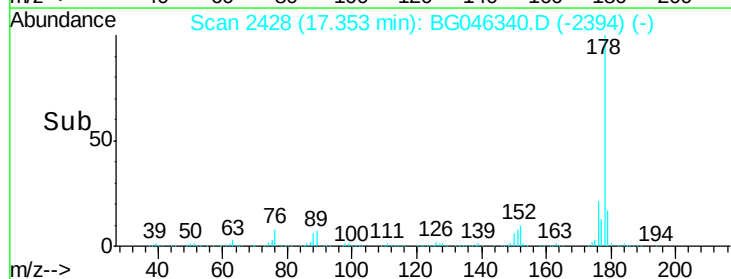
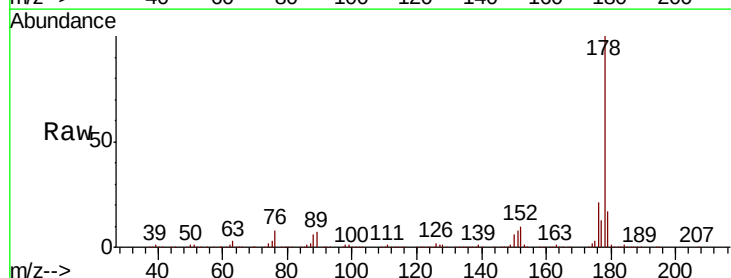
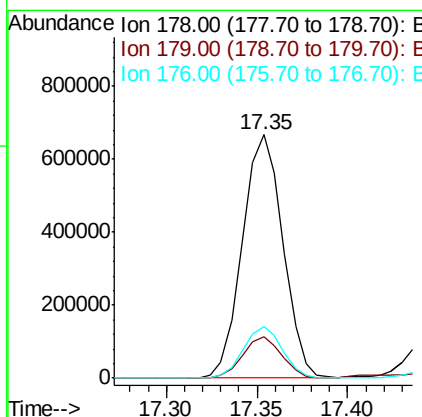
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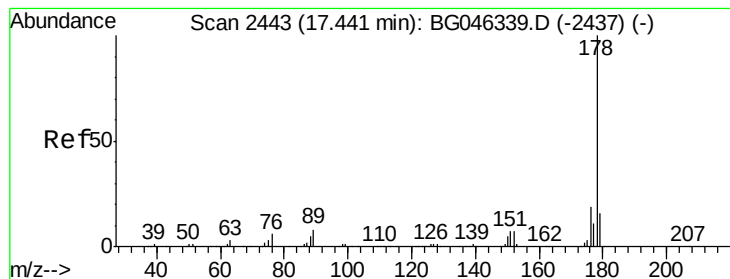
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#14
 Phenanthrene
 Concen: 33.144 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046340.D
 Acq: 19 Aug 2020 10:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1034835		
179	16.9	12.8	19.2	
176	21.2	15.8	23.8	





#16

Anthracene

Concen: 4.808 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Instrument :

BNA_G

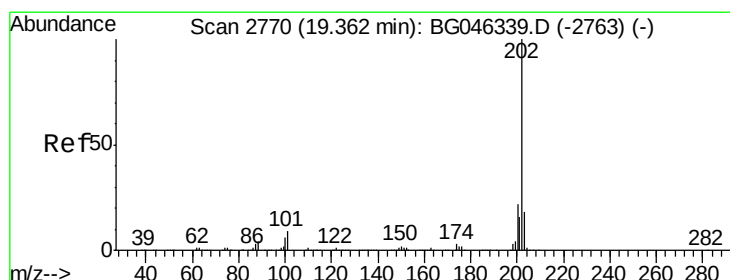
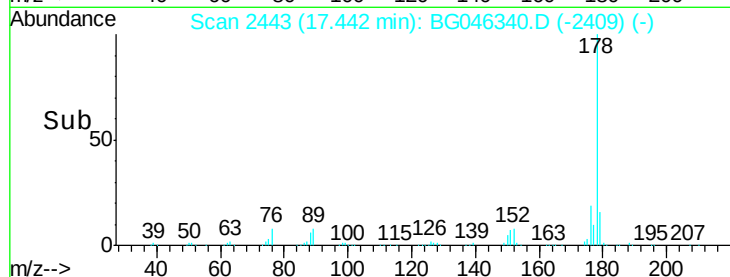
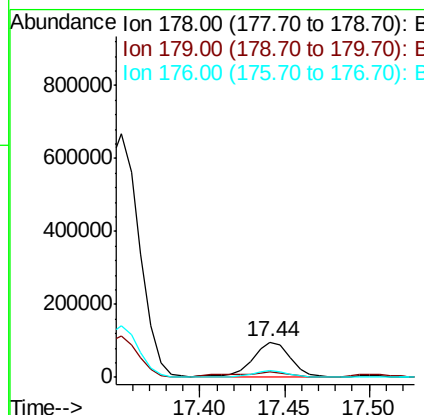
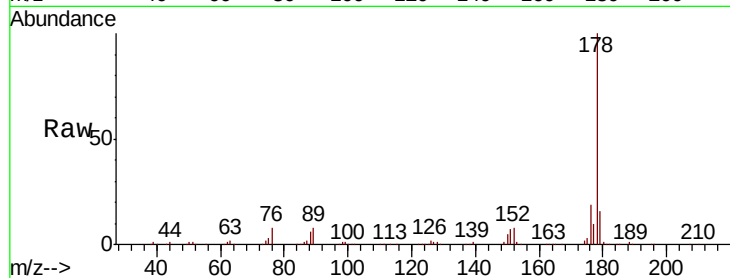
ClientSampleId :

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Tot Ion:	178	Resp:	151450
Ion Ratio	Lower	Upper	
178	100		
179	16.0	13.2	19.8
176	19.4	15.2	22.8

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#17

Fluoranthene

Concen: 48.237 ng/ul

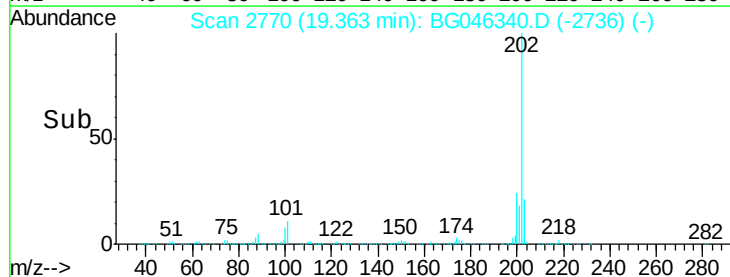
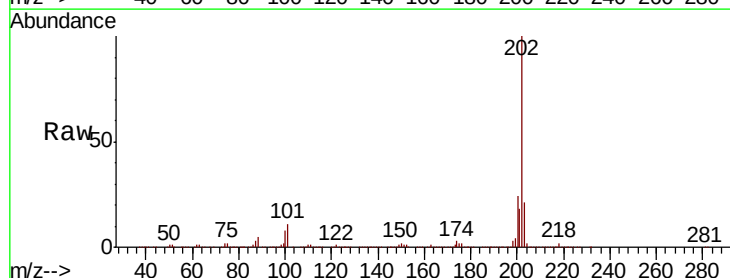
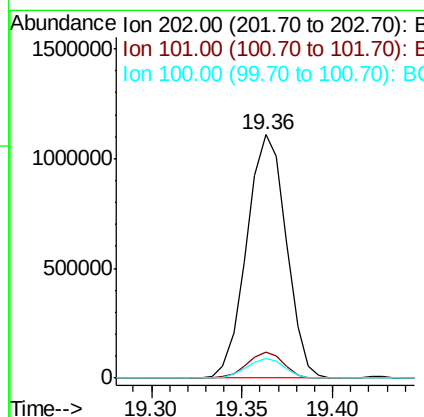
RT: 19.36 min Scan# 2770

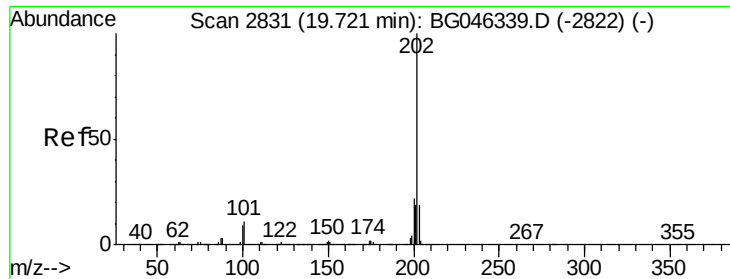
Delta R.T. 0.00 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Tgt Ion:	202	Resp:	1679312
Ion Ratio	Lower	Upper	
202	100		
101	10.8	7.8	11.6
100	8.2	5.9	8.9





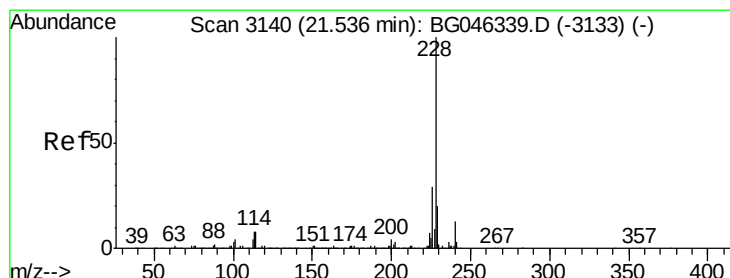
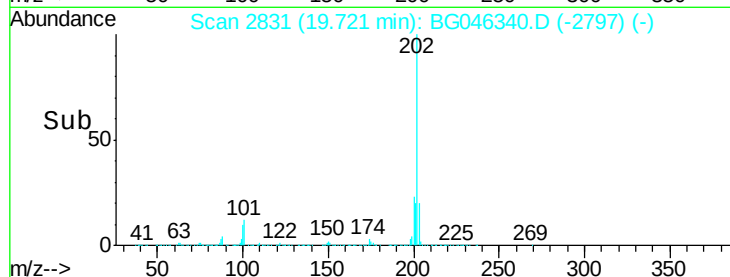
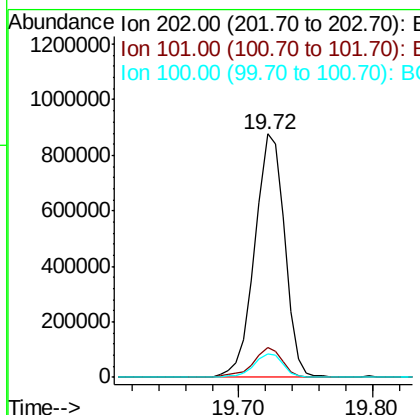
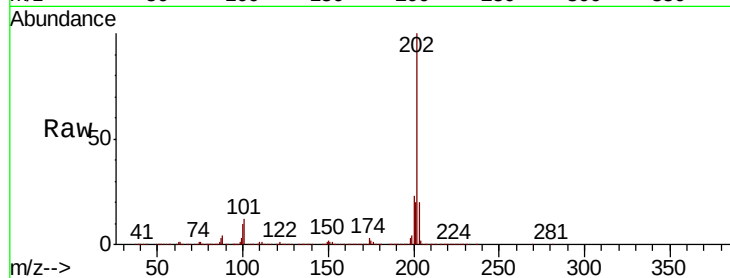
#20
Pvrene
Concen: 35.529 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046340.D
Acq: 19 Aug 2020 10:01

Instrument :
BNA_G
ClientSampleId :
BFMK4DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	8.9	13.3
100	9.8	7.9	11.9

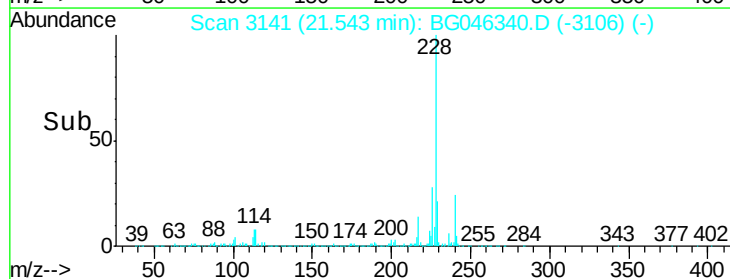
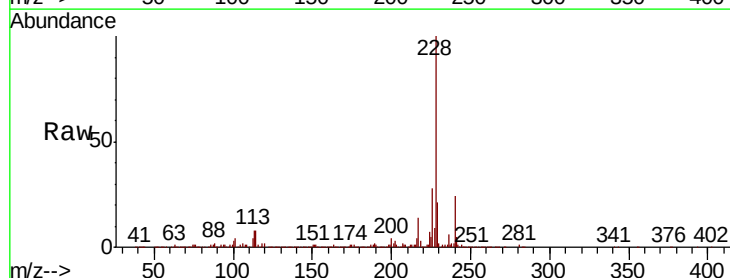
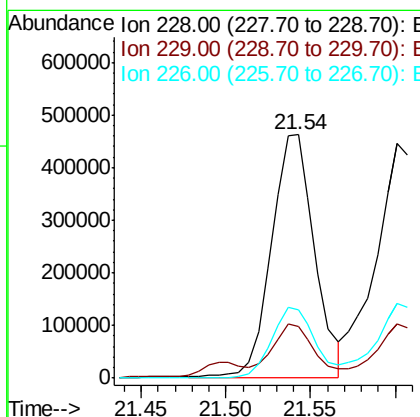
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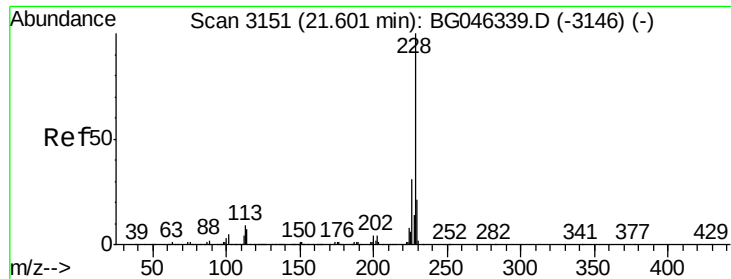
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#21
Benzo(a)anthracene
Concen: 21.826 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.01 min
Lab File: BG046340.D
Acq: 19 Aug 2020 10:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.6	25.0
226	28.2	22.6	33.8





#22

Chrysene

Concen: 22.499 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Instrument :

BNA_G

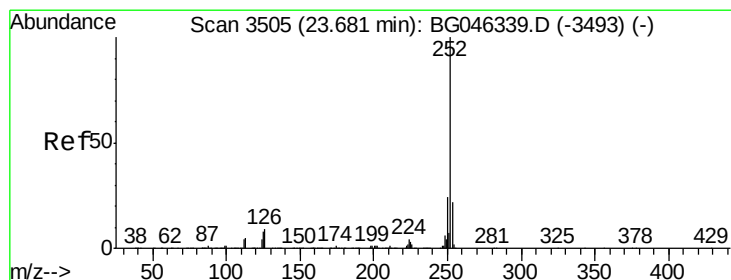
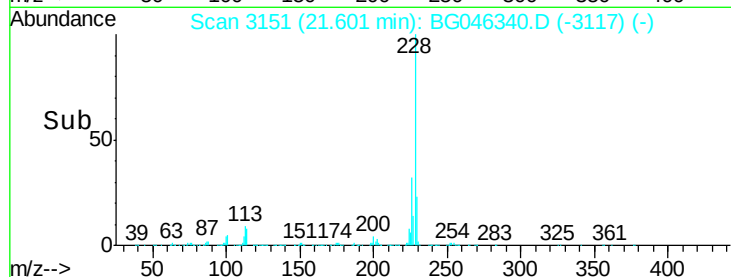
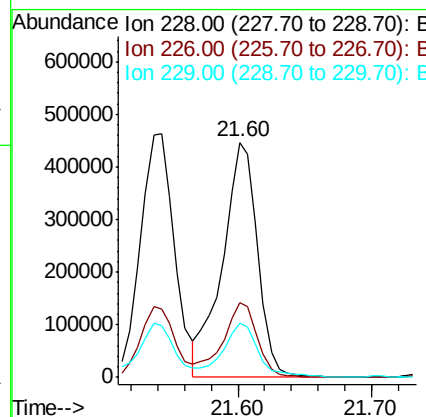
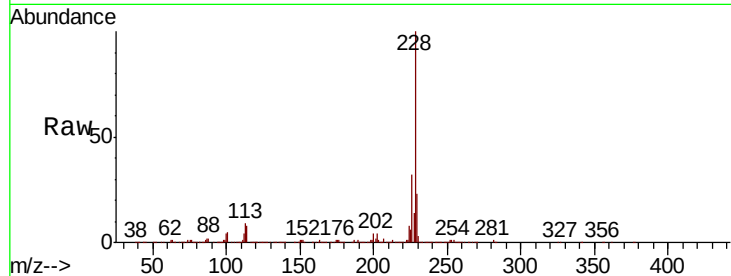
ClientSampleId :

BFMK4DL

Tot Ion:	228	Resp:	816036
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.5	38.3
229	23.2	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 22.605 ng/ul

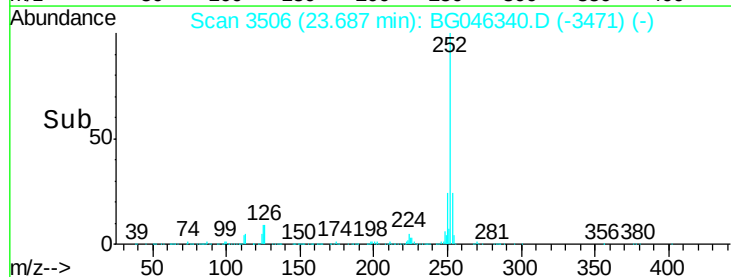
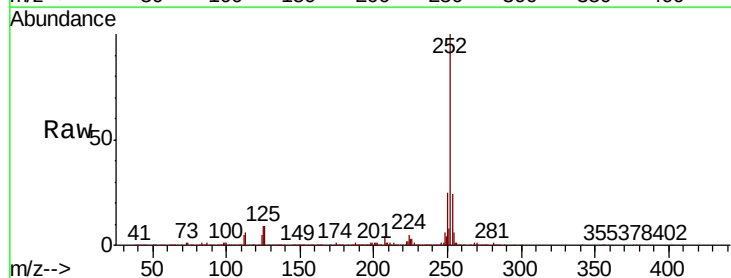
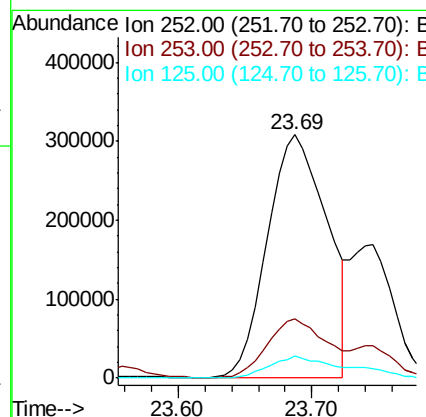
RT: 23.69 min Scan# 3506

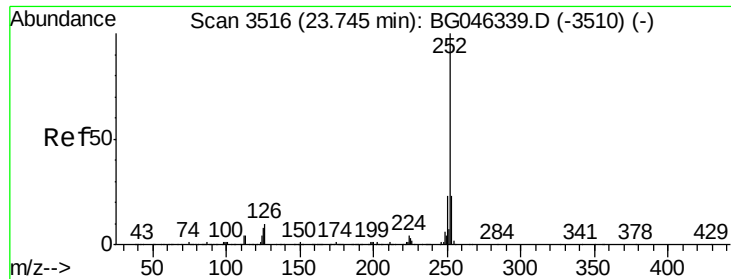
Delta R.T. 0.01 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Tgt Ion:	252	Resp:	951061
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	8.9	6.4	9.6





#25

Benzo(k)fluoranthene

Concen: 9.161 ng/ul m

RT: 23.75 min Scan# 3516

Delta R.T. 0.00 min

Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Instrument :

BNA_G

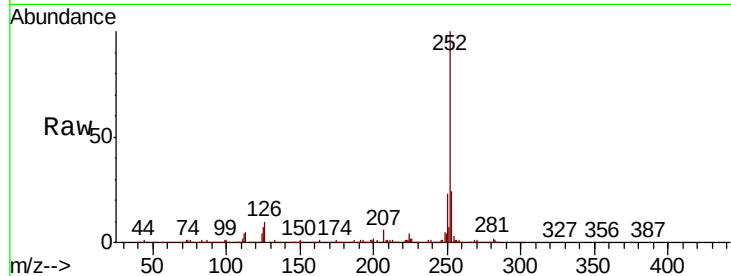
ClientSampleId :

BFMK4DL

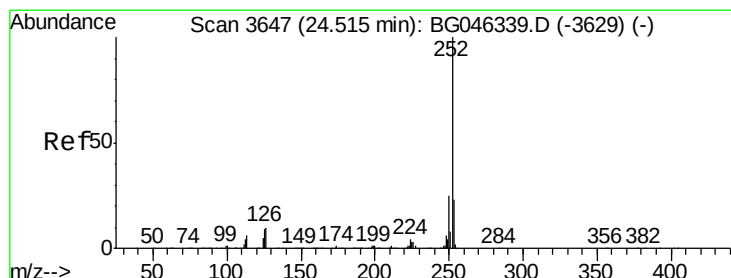
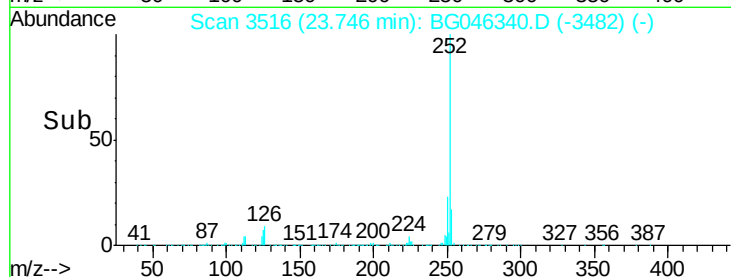
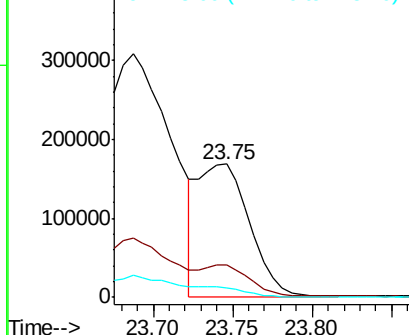
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	7.2	6.2	9.2

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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



#27

Benzo(a)pyrene

Concen: 16.278 ng/ul

RT: 24.52 min Scan# 3647

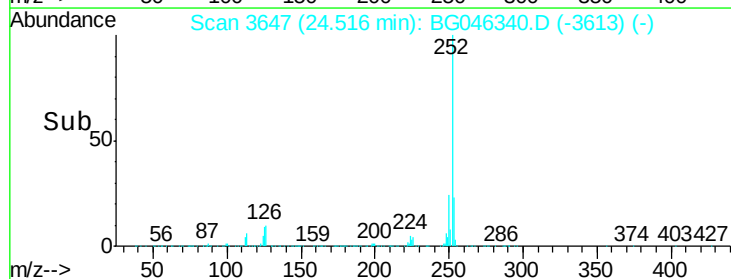
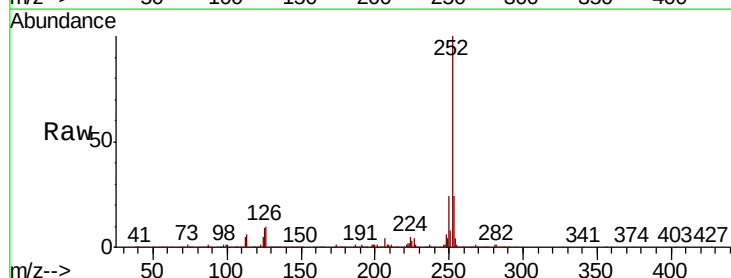
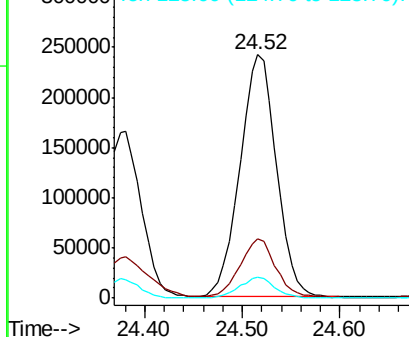
Delta R.T. 0.00 min

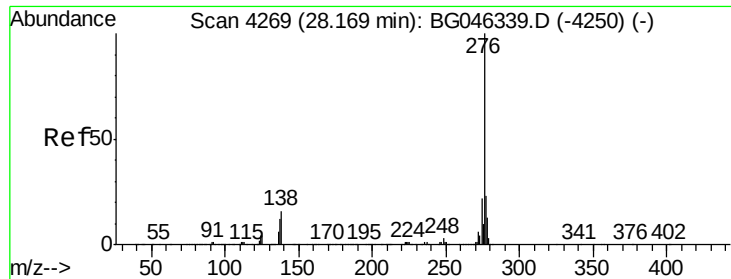
Lab File: BG046340.D

Acq: 19 Aug 2020 10:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	8.8	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





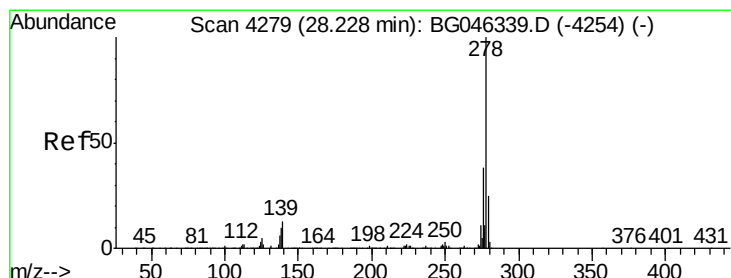
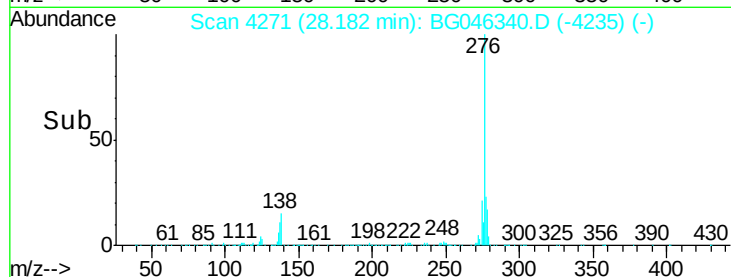
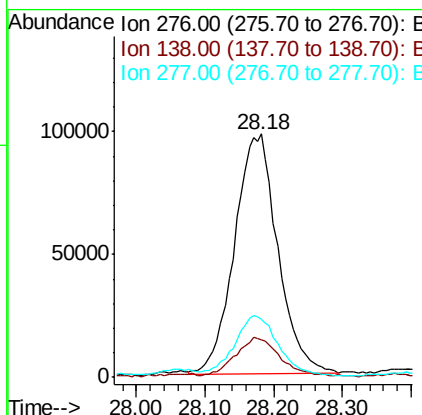
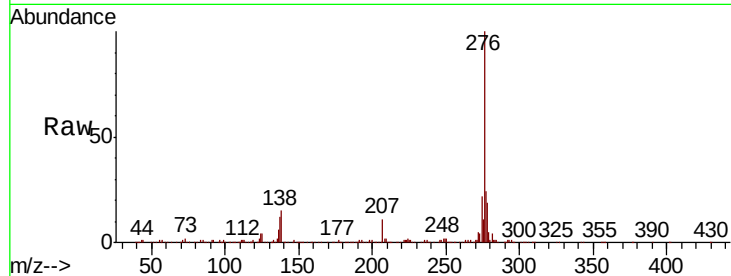
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 8.900 ng/ul
 RT: 28.18 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: BG046340.D
 Acq: 19 Aug 2020 10:01

Instrument :
 BNA_G
 ClientSampled :
 BFMK4DL

Tot Ion:	276	Resp:	430454
Ion Ratio	Lower	Upper	
276	100		
138	15.2	13.2	19.8
277	24.0	19.9	29.9

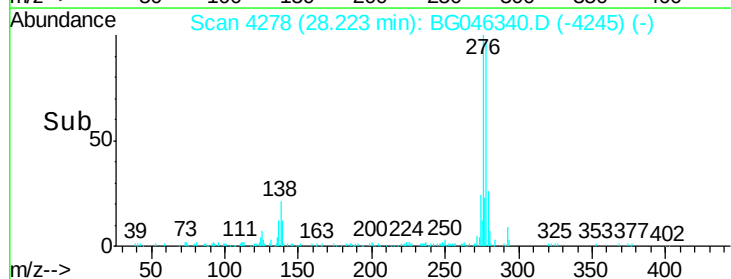
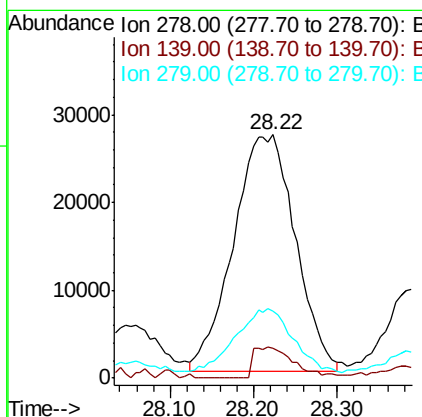
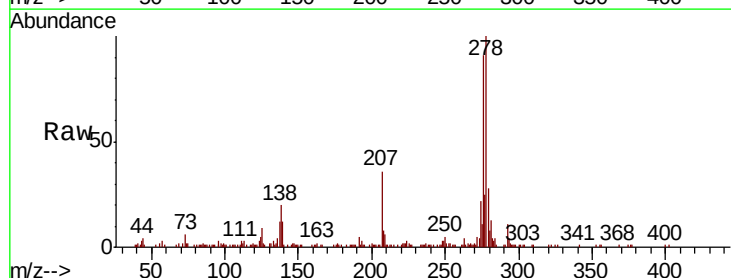
Manual Integrations
 APPROVED

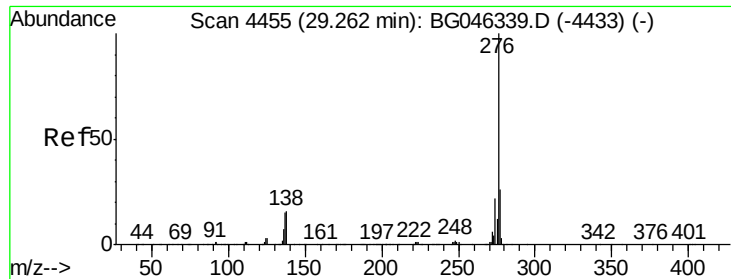
mohammad
 8/20/2020 12:22:50 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.551 ng/ul m
 RT: 28.22 min Scan# 4278
 Delta R.T. -0.01 min
 Lab File: BG046340.D
 Acq: 19 Aug 2020 10:01

Tgt Ion:	278	Resp:	139236
Ion Ratio	Lower	Upper	
278	100		
139	12.1	9.8	14.8
279	27.7	19.7	29.5





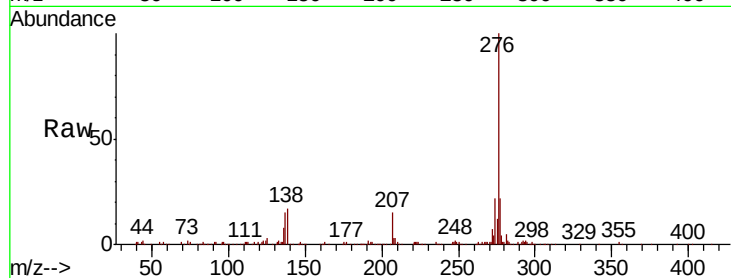
#30
 Benzo(a,h,i)perylene
 Concen: 8.157 ng/ul
 RT: 29.26 min Scan# 4454
 Delta R.T. -0.01 min
 Lab File: BG046340.D
 Acq: 19 Aug 2020 10:01

Instrument :
 BNA_G
 ClientSampleId :
 BFMK4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	12.9	19.3
277	22.4	19.4	29.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

