

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021962.D
 Acq On : 09 Aug 2019 09:55
 Operator : HP/JU
 Sample : K4029-10
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENX4

Manual Integrations
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Sohil
 8/13/2019 8:30:12 AM

Quant Time: Aug 09 13:22:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	988	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	4163	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2246	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	5203m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4957m	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	4861m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1266	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	3335m	0.19	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	346	0.029	ng/ul#	67
5) 2-Methylnaphthalene	12.09	142	198	0.025	ng/ul	98
7) Acenaphthylene	13.99	152	1175	0.112	ng/ul#	28
8) Acenaphthene	14.33	153	258	0.030	ng/ul#	91
9) Fluorene	15.33	166	348	0.037	ng/ul#	95
12) Phenanthrene	17.07	178	7480	0.494	ng/ul	98
13) Anthracene	17.16	178	1957m	0.152	ng/ul	
15) Fluoranthene	19.09	202	23342m	1.151	ng/ul	
17) Pyrene	19.46	202	21862	1.073	ng/ul	98
18) Benzo(a)anthracene	21.21	228	11446	0.646	ng/ul	99
19) Chrysene	21.27	228	14271	0.626	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	20234m	1.234	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	6716m	0.362	ng/ul	
23) Benzo(a)pyrene	23.34	252	12655m	0.759	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.65	276	9245m	0.464	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	2395m	0.149	ng/ul	
26) Benzo(a,h,i)perylene	26.33	276	7420m	0.414	ng/ul	

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

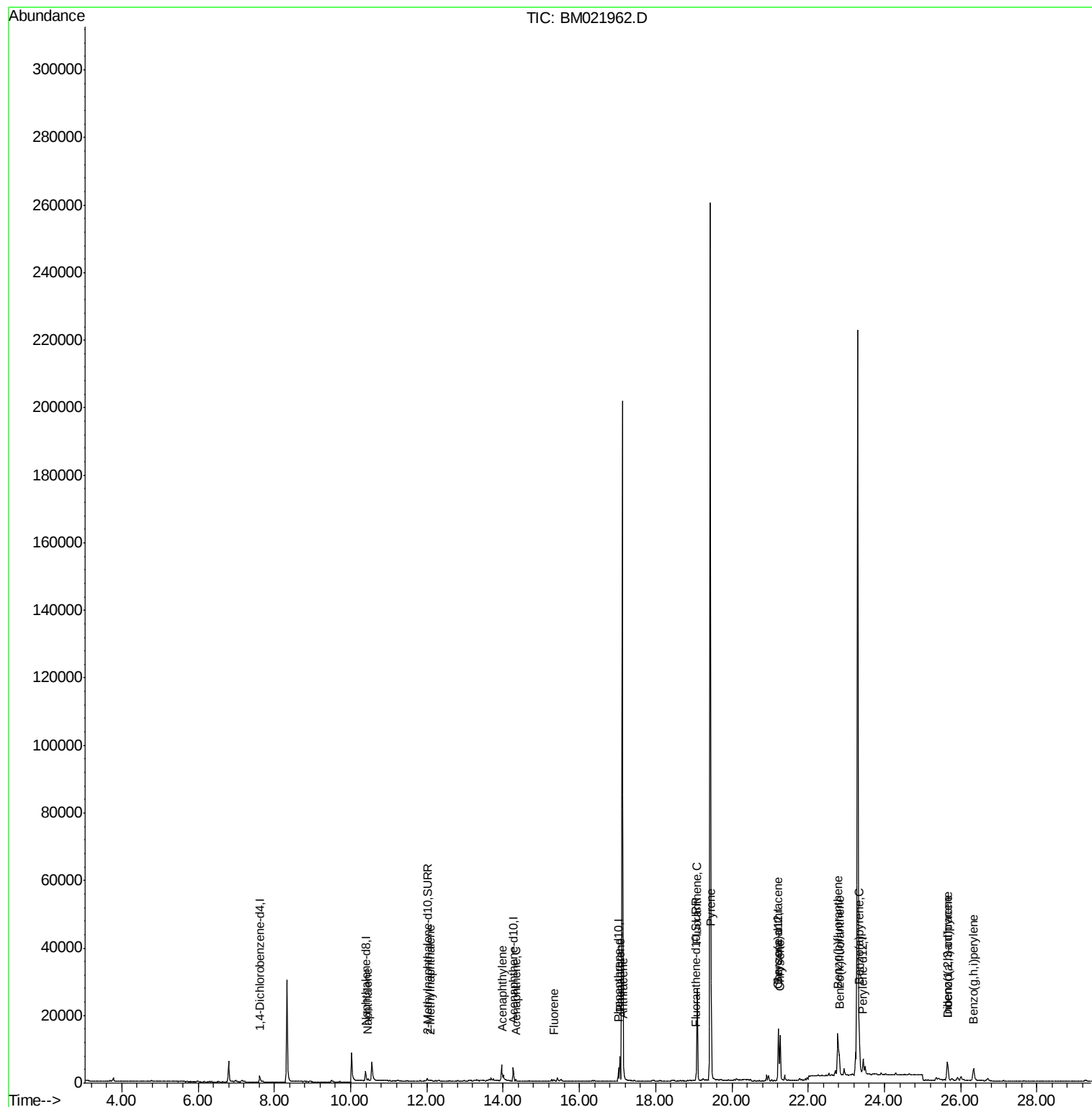
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
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ALS Vial : 24 Sample Multiplier: 1

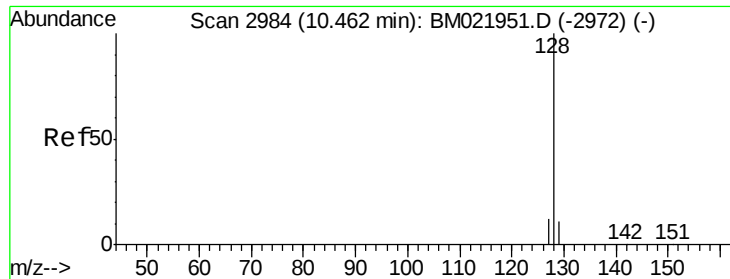
Instrument :
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Quant Time: Aug 09 13:22:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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#3

Naphthalene

Concen: 0.029 ng/ul

RT: 10.44 min Scan# 2980

Delta R.T. -0.02 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Instrument :

BNA_M

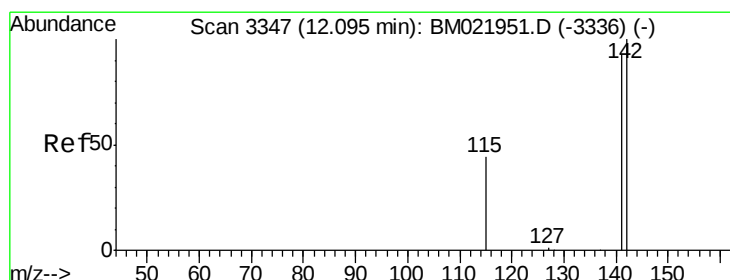
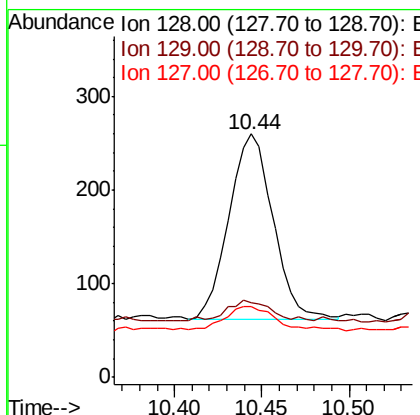
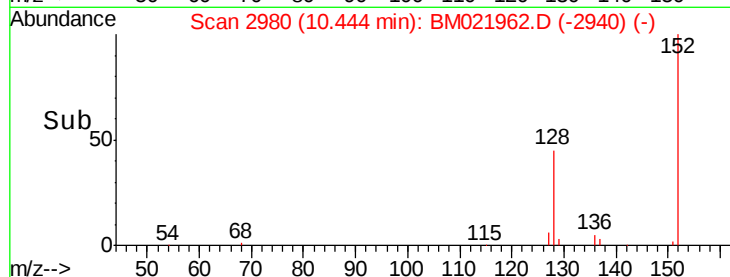
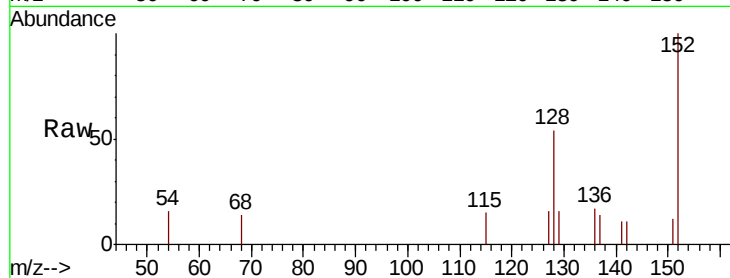
ClientSampleId :

BENX4

Tot Ion:128	Resp:	346
Ion Ratio	Lower	Upper
128	100	
129	30.4	12.3 18.5#
127	29.2	13.0 19.6#

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#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

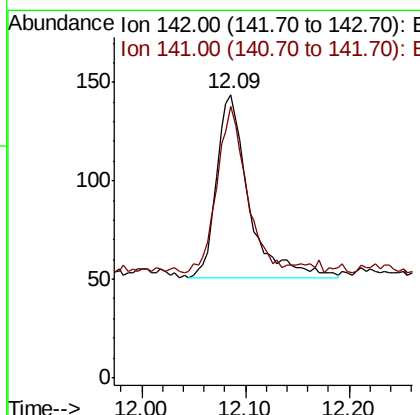
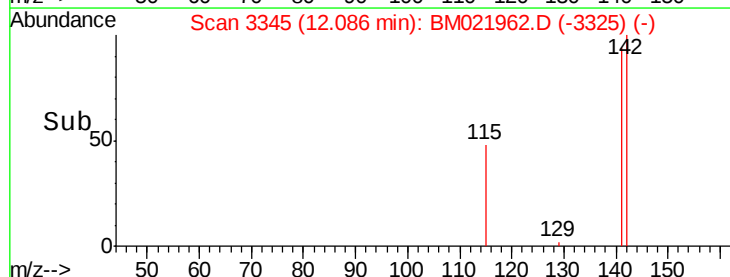
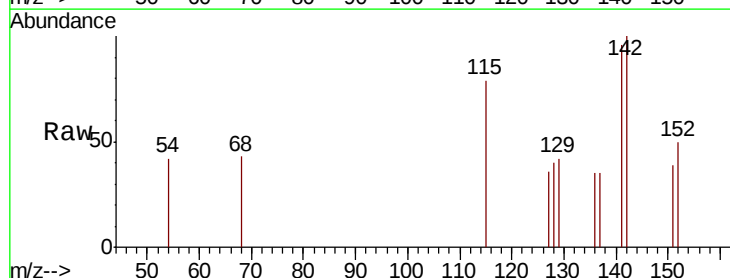
RT: 12.09 min Scan# 3345

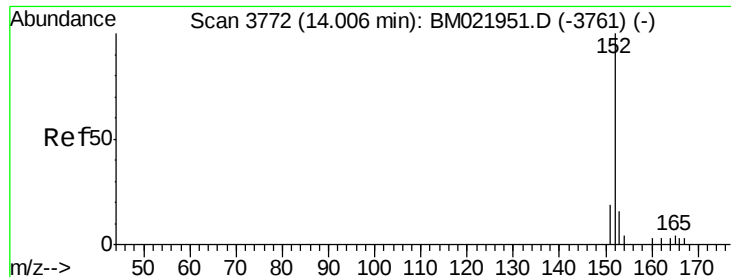
Delta R.T. -0.01 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Tgt Ion:142	Resp:	198
Ion Ratio	Lower	Upper
142	100	
141	91.4	74.3 111.5





#7

Acenaphthylene

Concen: 0.112 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.01 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Instrument :

BNA_M

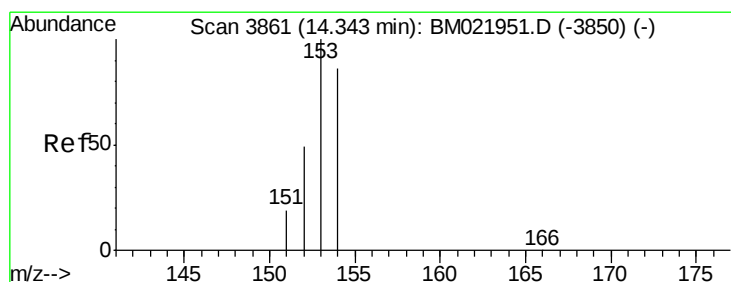
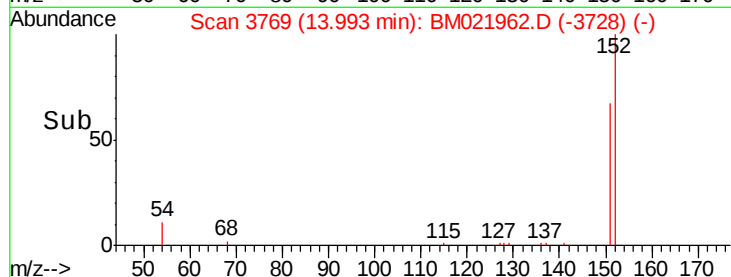
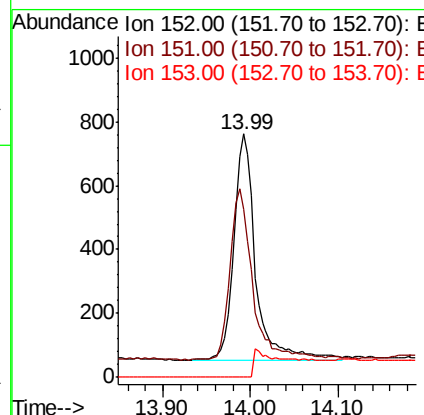
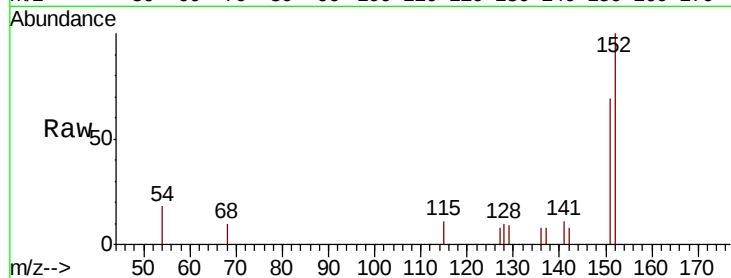
ClientSampled :

BENX4

Tot Ion:	152	Resp:	1175
Ion Ratio	Lower	Upper	
152	100		
151	69.0	18.3	27.5#
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.030 ng/ul

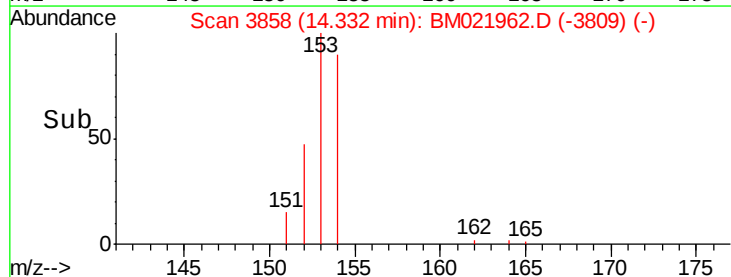
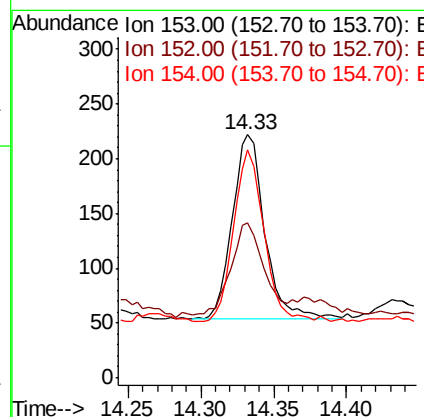
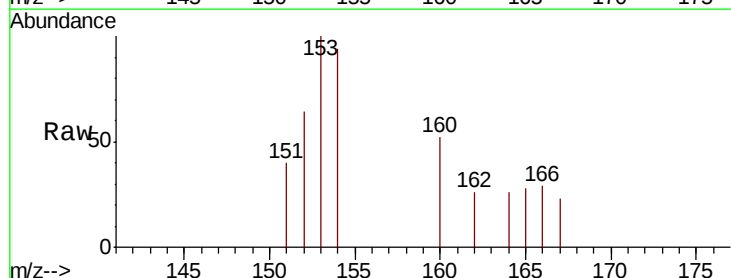
RT: 14.33 min Scan# 3858

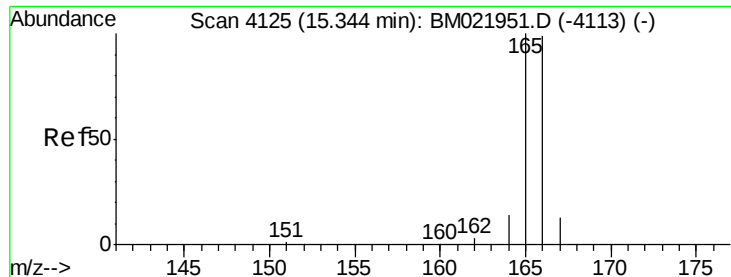
Delta R.T. -0.01 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Tgt Ion:	153	Resp:	258
Ion Ratio	Lower	Upper	
153	100		
152	64.0	41.3	61.9#
154	93.7	72.3	108.5





#9

Fluorene

Concen: 0.037 ng/ul

RT: 15.33 min Scan# 4121

Delta R.T. -0.02 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Instrument :

BNA_M

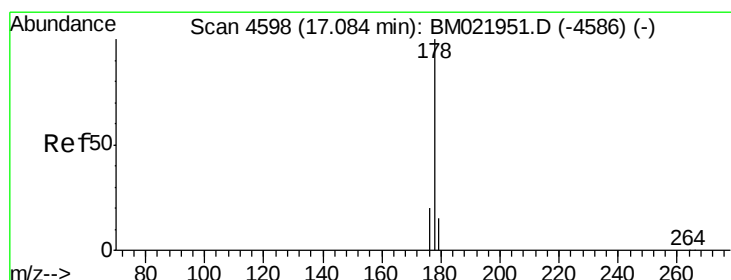
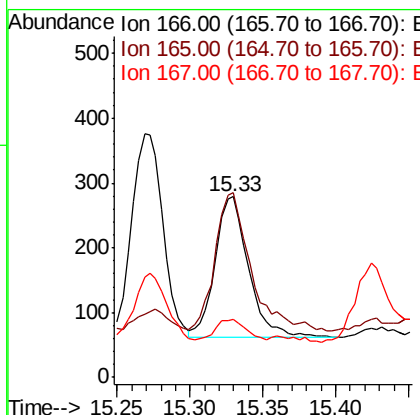
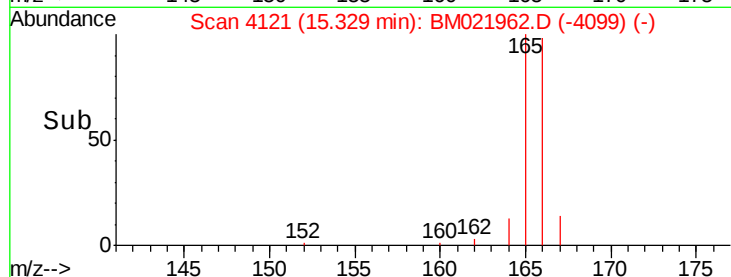
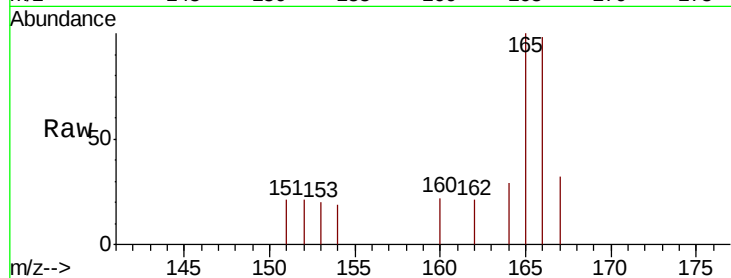
ClientSampled :

BENX4

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.2	81.4	122.0
167	32.3	13.7	20.5

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#12

Phenanthrene

Concen: 0.494 ng/ul

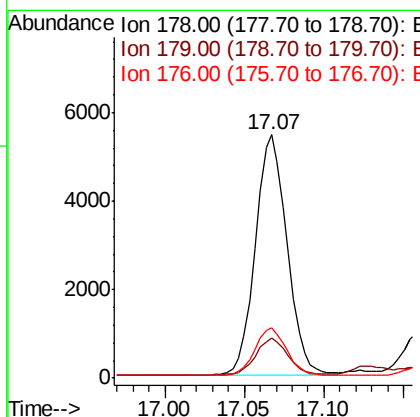
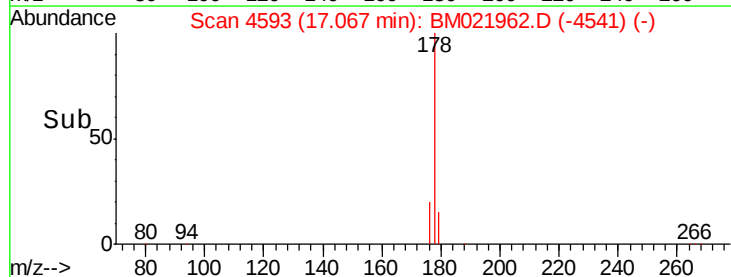
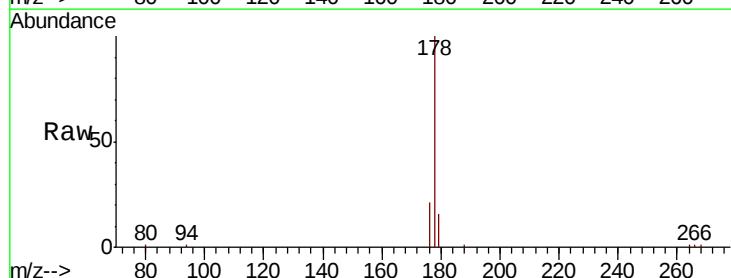
RT: 17.07 min Scan# 4593

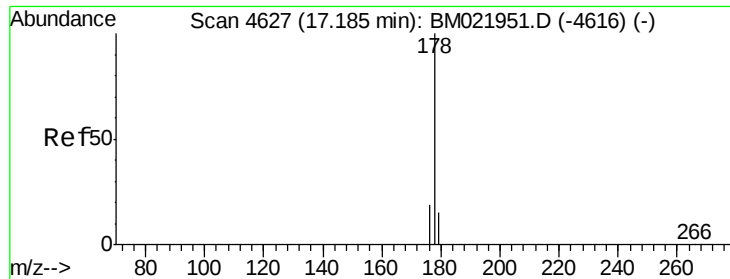
Delta R.T. -0.02 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	14.2	21.2
176	20.6	16.8	25.2





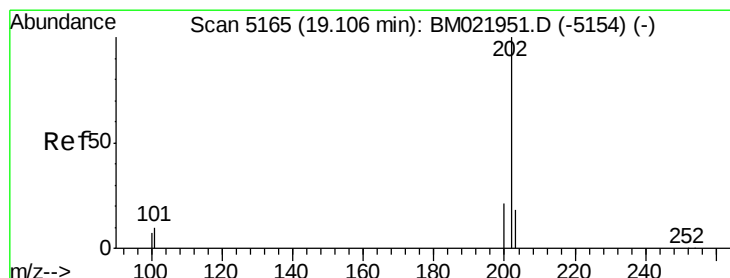
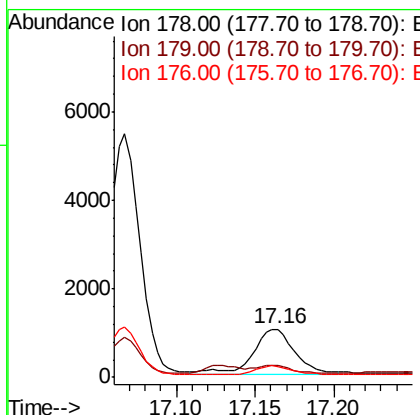
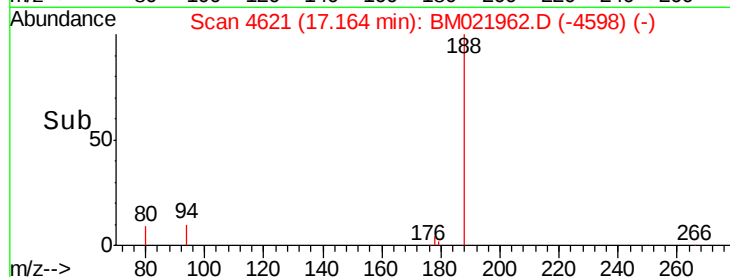
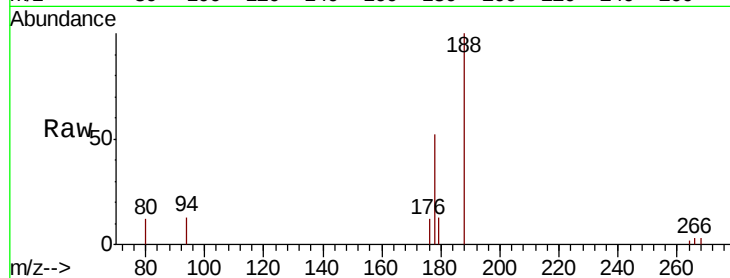
#13
 Anthracene
 Concen: 0.152 ng/ul m
 RT: 17.16 min Scan# 4621
 Delta R.T. -0.02 min
 Lab File: BM021962.D
 Acq: 09 Aug 2019 09:55

Instrument :
 BNA_M
 ClientSampleId :
 BENX4

Tot Ion	Ratio	Lower	Upper
178	100		
179	24.3	15.5	23.3#
176	22.7	16.6	25.0

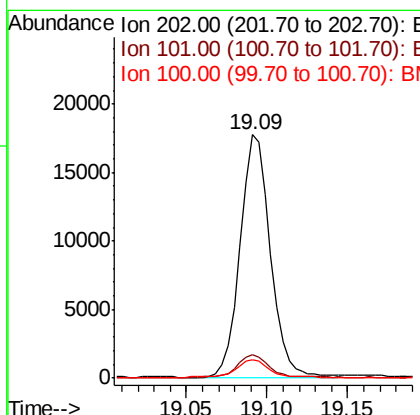
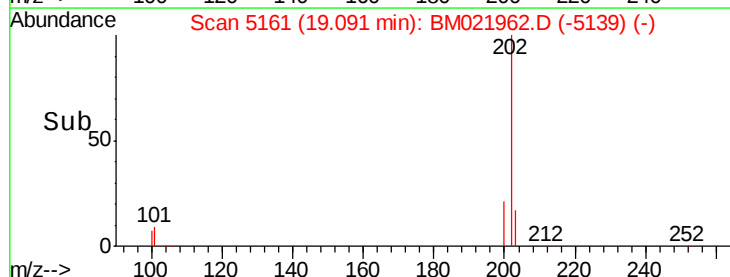
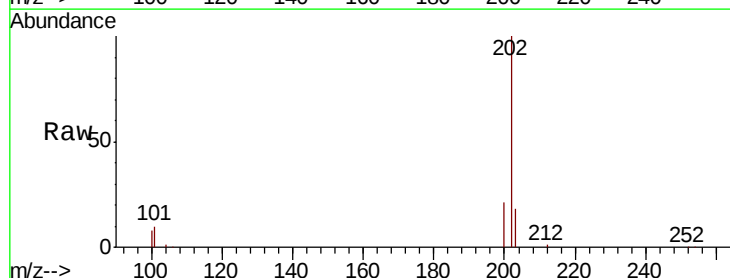
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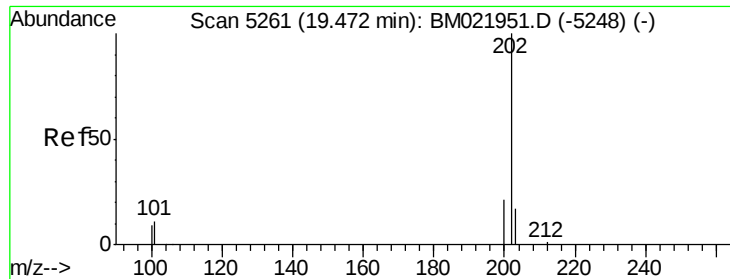
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#15
 Fluoranthene
 Concen: 1.151 ng/ul m
 RT: 19.09 min Scan# 5161
 Delta R.T. -0.02 min
 Lab File: BM021962.D
 Acq: 09 Aug 2019 09:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.2
100	7.6	0.0	28.1





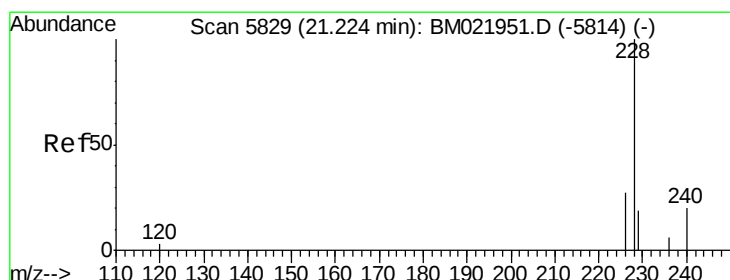
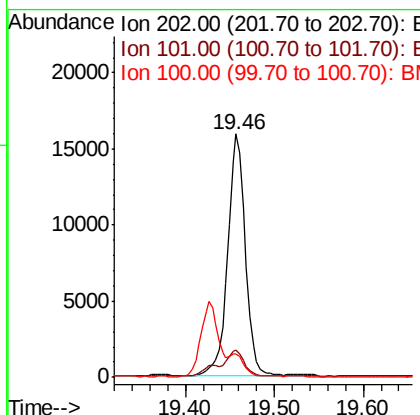
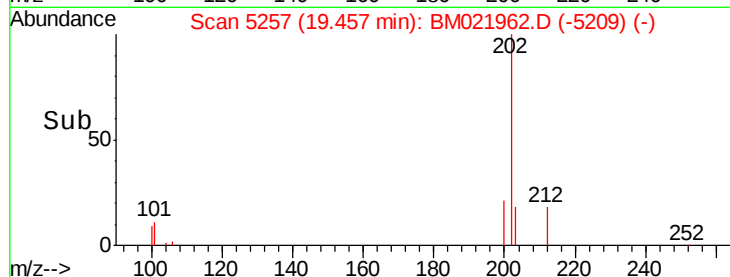
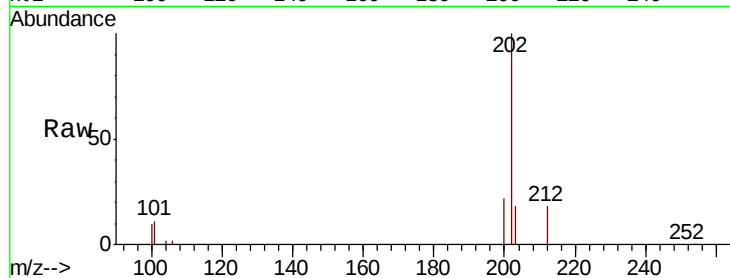
#17
Pvrene
Concen: 1.073 ng/ul
RT: 19.46 min Scan# 5257
Delta R.T. -0.02 min
Lab File: BM021962.D
Acq: 09 Aug 2019 09:55

Instrument :
BNA_M
ClientSampleId :
BENX4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	8.3	12.5
100	9.6	7.2	10.8

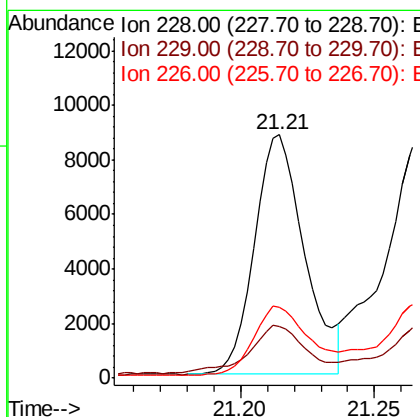
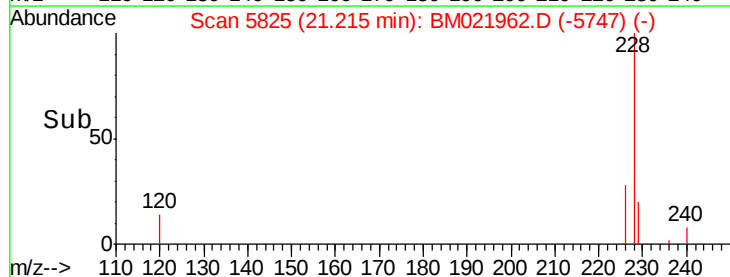
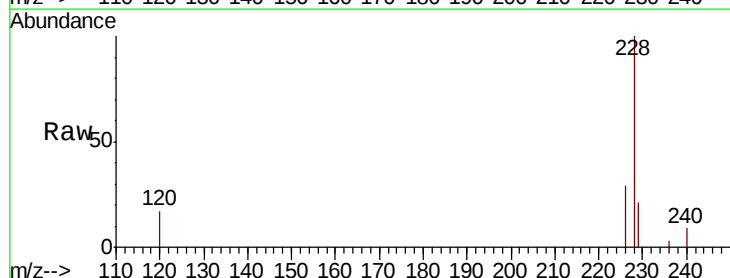
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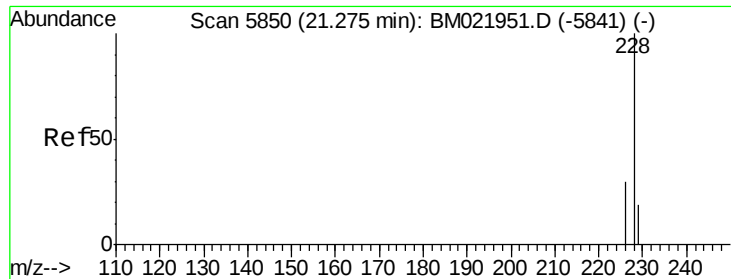
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#18
Benzo(a)anthracene
Concen: 0.646 ng/ul
RT: 21.21 min Scan# 5825
Delta R.T. -0.01 min
Lab File: BM021962.D
Acq: 09 Aug 2019 09:55

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.4	17.2	25.8
226	29.2	22.6	34.0





#19

Chrysene

Concen: 0.626 ng/ul

RT: 21.27 min Scan# 5847

Delta R.T. -0.01 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Instrument :

BNA_M

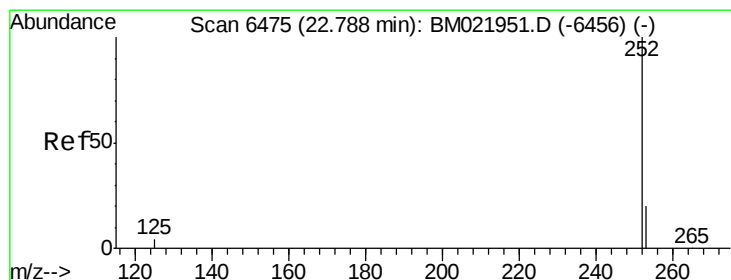
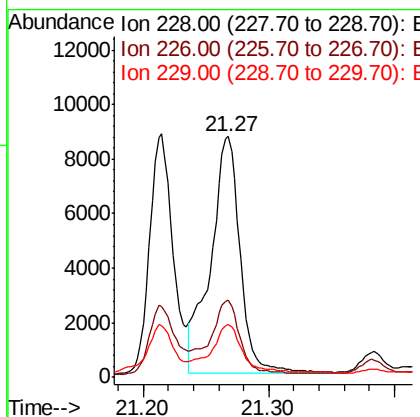
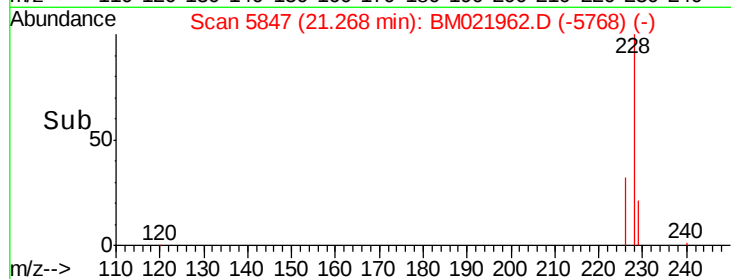
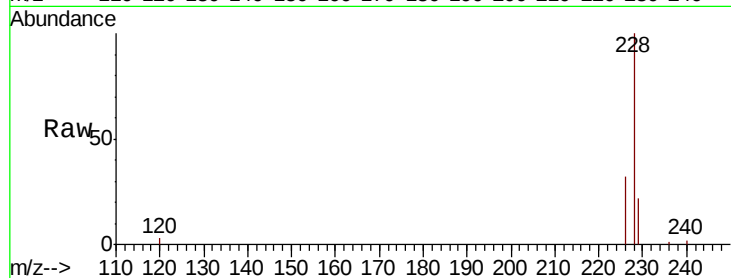
ClientSampleId :

BENX4

Tot Ion:228	Resp:	14271
Ion Ratio	Lower	Upper
228 100		
226 32.3	24.9	37.3
229 22.2	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 1.234 ng/ul m

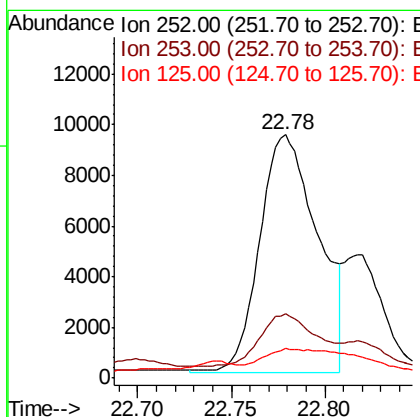
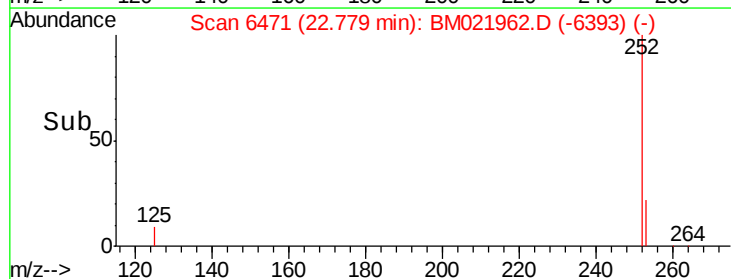
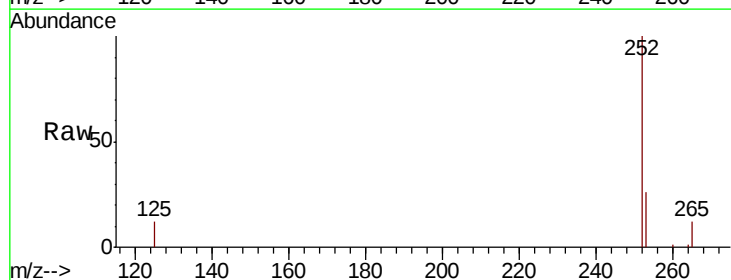
RT: 22.78 min Scan# 6471

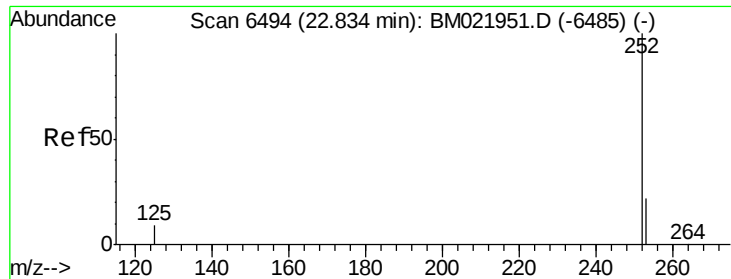
Delta R.T. -0.01 min

Lab File: BM021962.D

Acq: 09 Aug 2019 09:55

Tgt Ion:252	Resp:	20234
Ion Ratio	Lower	Upper
252 100		
253 26.3	0.0	67.4
125 12.1	0.0	31.0





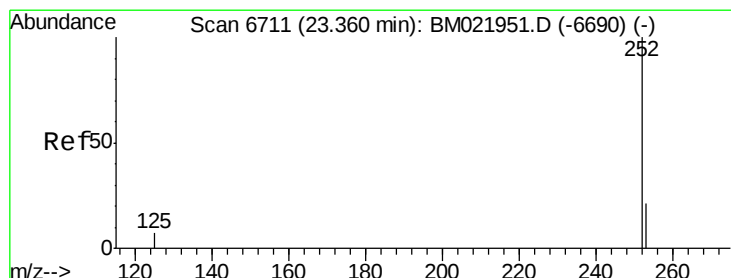
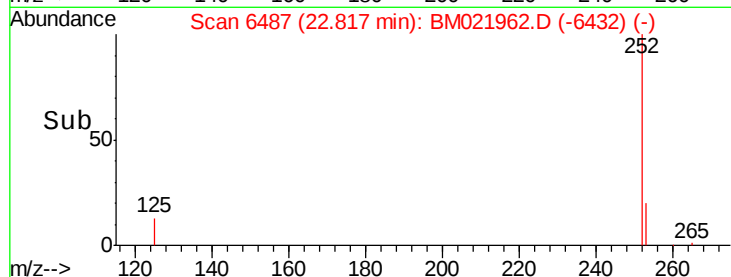
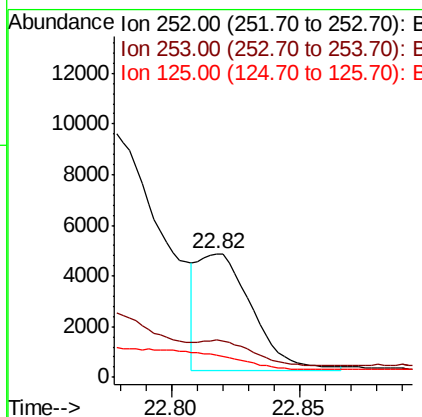
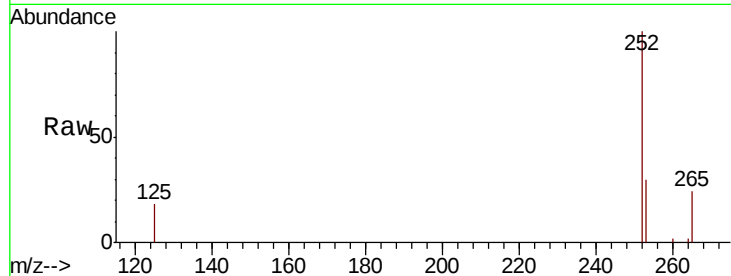
#22
Benzo(k)fluoranthene
Concen: 0.362 ng/ul m
RT: 22.82 min Scan# 6487
Delta R.T. -0.02 min
Lab File: BM021962.D
Acq: 09 Aug 2019 09:55

Instrument :
BNA_M
ClientSampleId :
BENX4

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	27.0	40.4
125	18.0	12.2	18.2

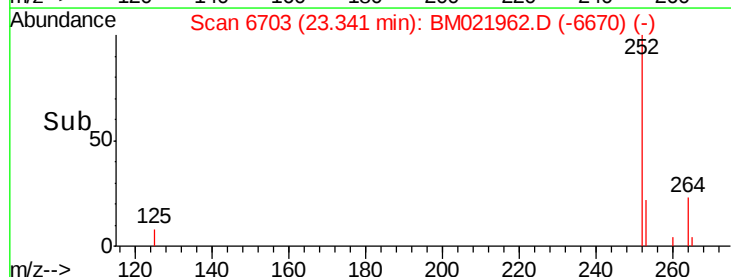
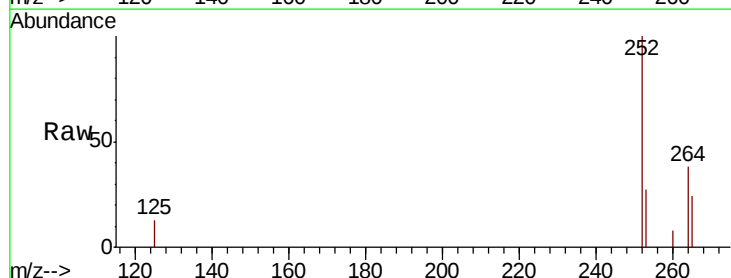
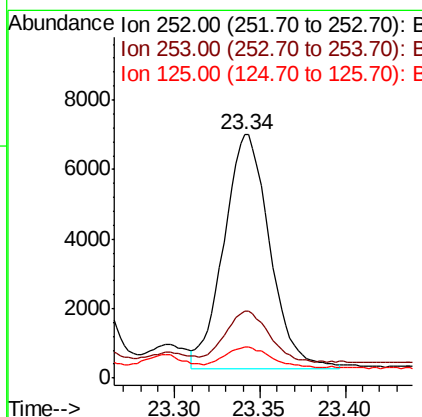
Manual Integrations
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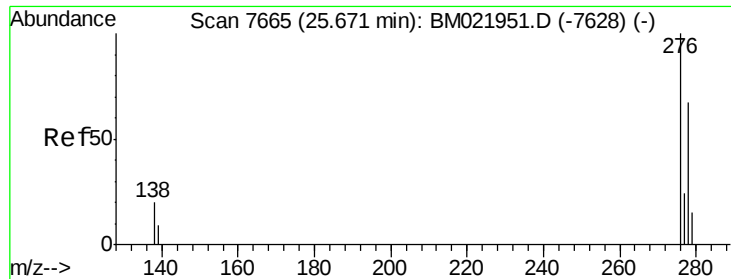
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#23
Benzo(a)pyrene
Concen: 0.759 ng/ul m
RT: 23.34 min Scan# 6703
Delta R.T. -0.02 min
Lab File: BM021962.D
Acq: 09 Aug 2019 09:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	31.7	47.5#
125	12.7	14.6	21.8#





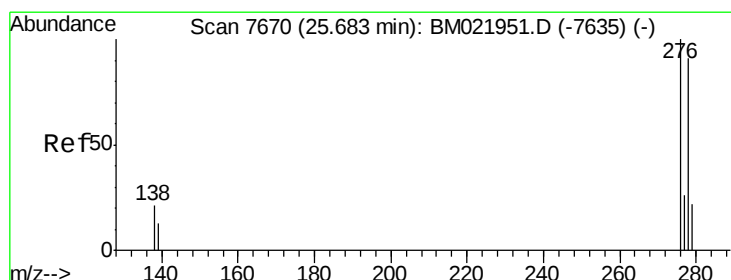
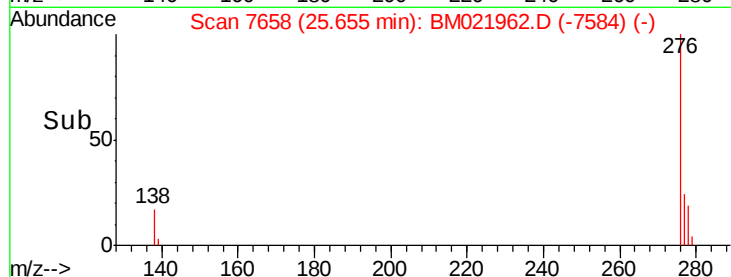
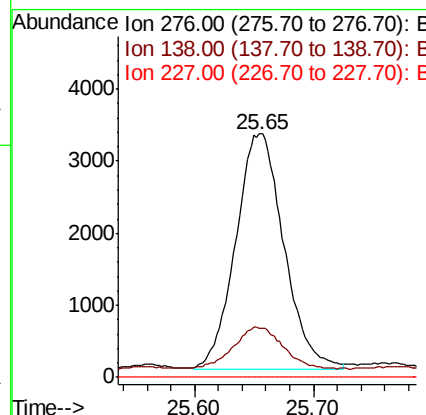
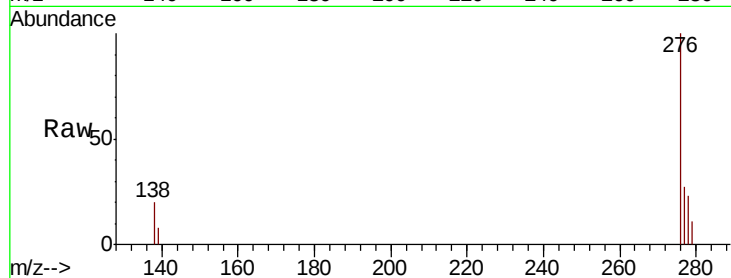
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.464 ng/ul m
RT: 25.65 min Scan# 7658
Delta R.T. -0.02 min
Lab File: BM021962.D
Acq: 09 Aug 2019 09:55

Instrument :
BNA_M
ClientSampleId :
BENX4

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.6	15.1	22.7#
227	0.0	0.0	0.0

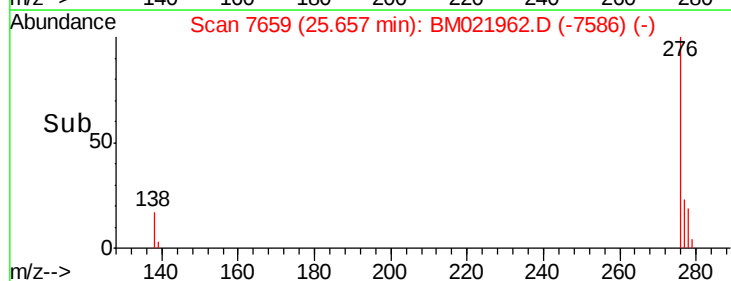
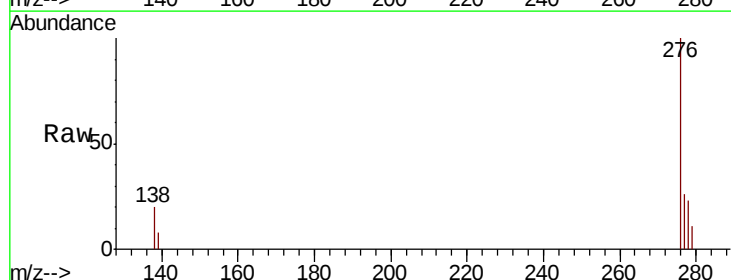
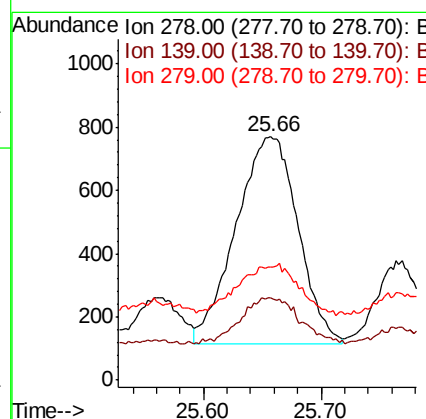
Manual Integrations
APPROVED

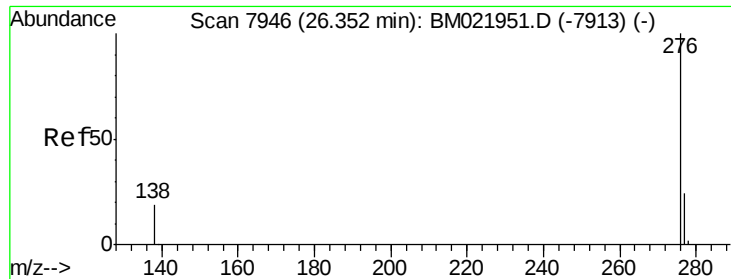
Sohil
8/13/2019 8:30:12 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.149 ng/ul m
RT: 25.66 min Scan# 7659
Delta R.T. -0.02 min
Lab File: BM021962.D
Acq: 09 Aug 2019 09:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.9	14.2	21.2#
279	46.4	28.3	42.5#





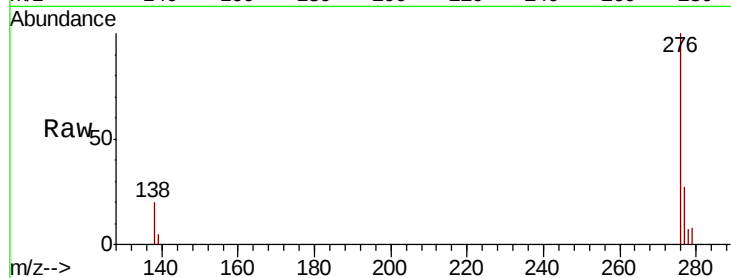
#26
 Benzo(a,h,i)perylene
 Concen: 0.414 ng/ul m
 RT: 26.33 min Scan# 7938
 Delta R.T. -0.02 min
 Lab File: BM021962.D
 Acq: 09 Aug 2019 09:55

Instrument :
 BNA_M
 ClientSampleId :
 BENX4

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.5	23.3
277	26.8	21.4	32.2

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:30:12 AM



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

