

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022087.D
 Acq On : 14 Aug 2019 02:09
 Operator : HP/JU
 Sample : K4183-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG1

Manual Integrations
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mohammad
 8/15/2019 5:08:04 PM

Quant Time: Aug 14 08:35:34 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 : Wed Aug 14 08:16:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	846	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3373	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1851	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4531m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	5487m	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	5396	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	945	0.17	ng/ul	-0.04
14) Fluoranthene-d10	19.05	212	2900m	0.19	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.43	128	849	0.089	ng/ul#	86
5) 2-Methylnaphthalene	12.06	142	895	0.141	ng/ul	99
7) Acenaphthylene	13.98	152	1483	0.172	ng/ul#	75
8) Acenaphthene	14.32	153	7506	1.063	ng/ul	96
9) Fluorene	15.31	166	9485	1.209	ng/ul	98
12) Phenanthrene	17.05	178	199557m	15.137	ng/ul	
13) Anthracene	17.15	178	52010m	4.625	ng/ul	
15) Fluoranthene	19.08	202	361723m	20.482	ng/ul	
17) Pyrene	19.45	202	285215	12.649	ng/ul	96
18) Benzo(a)anthracene	21.20	228	182588	9.303	ng/ul	100
19) Chrysene	21.26	228	166593	6.600	ng/ul	97
21) Benzo(b)fluoranthene	22.78	252	197934m	10.878	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	72133m	3.503	ng/ul	
23) Benzo(a)pyrene	23.34	252	125475	6.781	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	74276	3.362	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.65	278	19657	1.101	ng/ul#	72
26) Benzo(g,h,i)perylene	26.33	276	67442	3.390	ng/ul	98

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

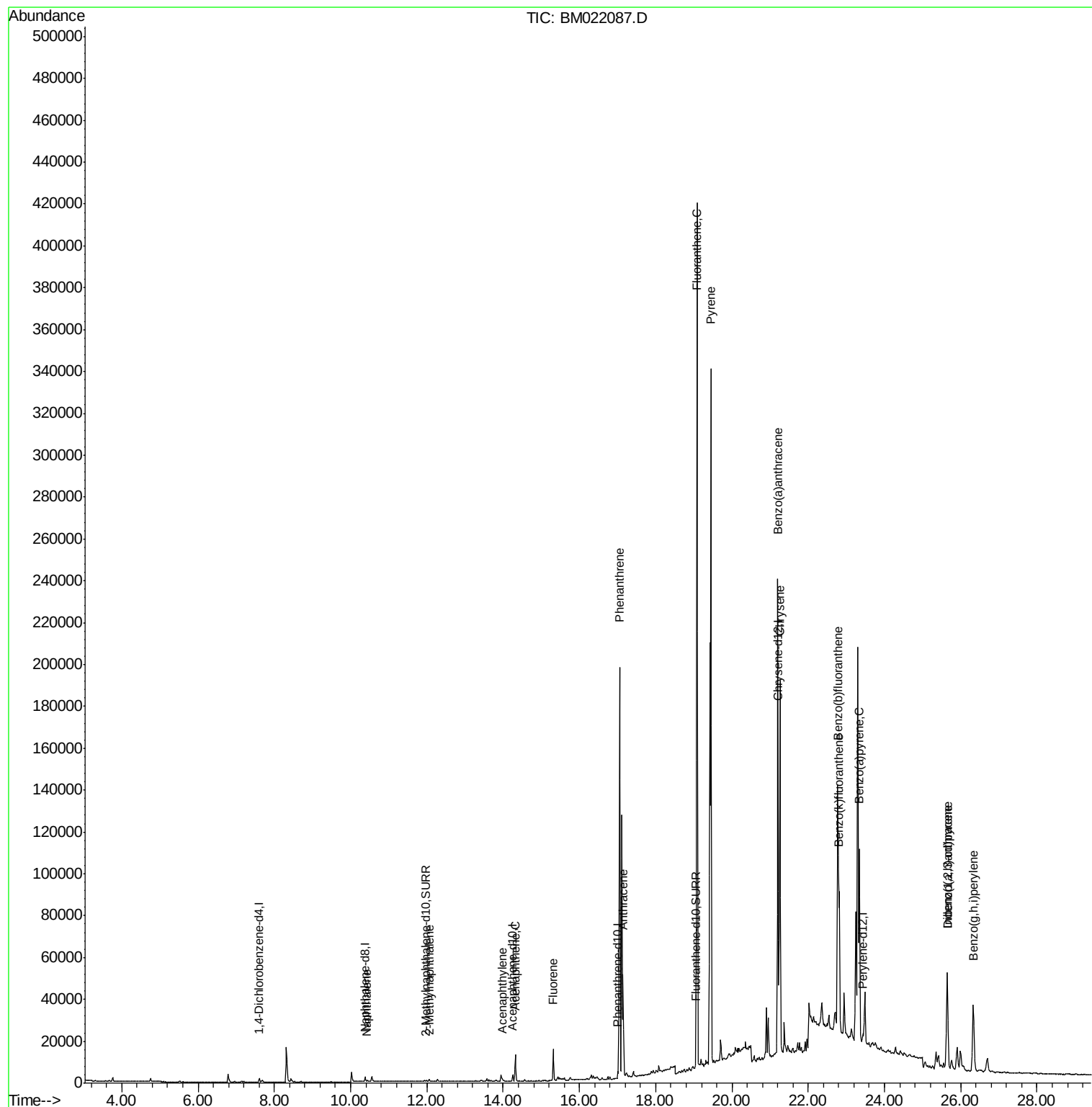
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022087.D
Acq On : 14 Aug 2019 02:09
Operator : HP/JU
Sample : K4183-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

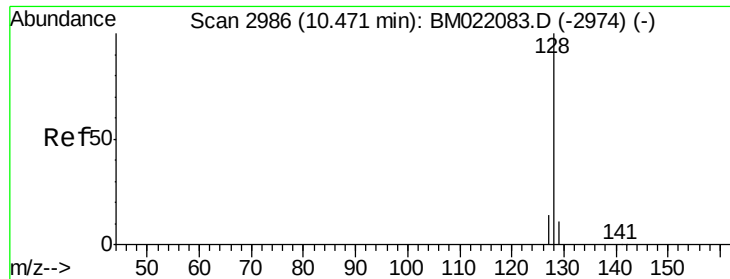
Instrument :
BNA_M
ClientSampleId :
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QLast Update : Wed Aug 14 08:16:48 2019
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#3

Naphthalene

Concen: 0.089 ng/ul

RT: 10.43 min Scan# 2977

Delta R.T. -0.04 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Instrument :

BNA_M

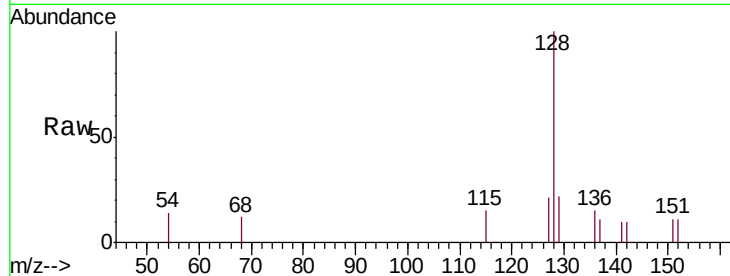
ClientSampleId :

C0AG1

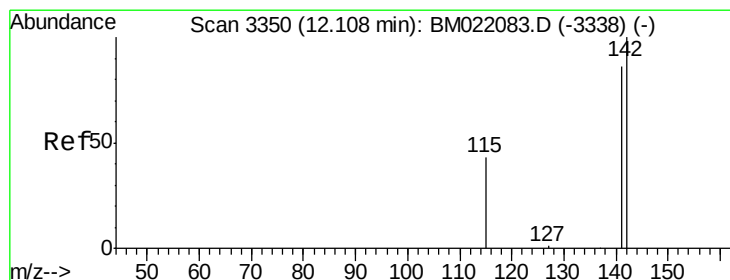
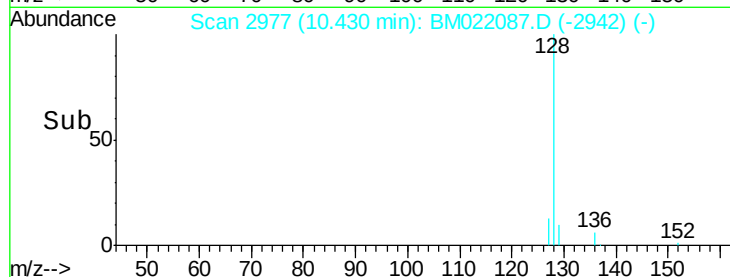
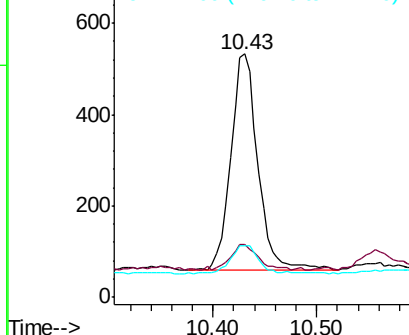
Tgt Ion:	128	Resp:	849
Ion Ratio	Lower	Upper	
128	100		
129	22.0	12.3	18.5#
127	21.4	13.0	19.6#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.141 ng/ul

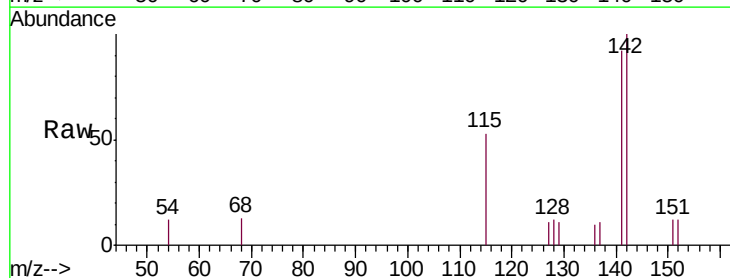
RT: 12.06 min Scan# 3339

Delta R.T. -0.05 min

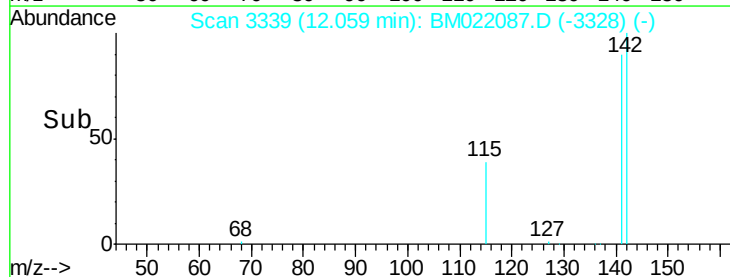
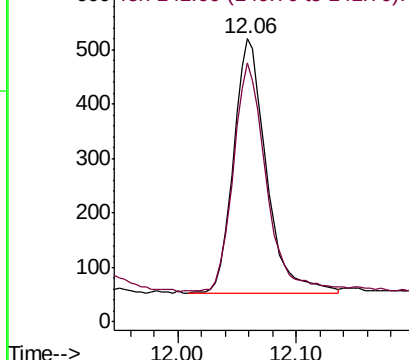
Lab File: BM022087.D

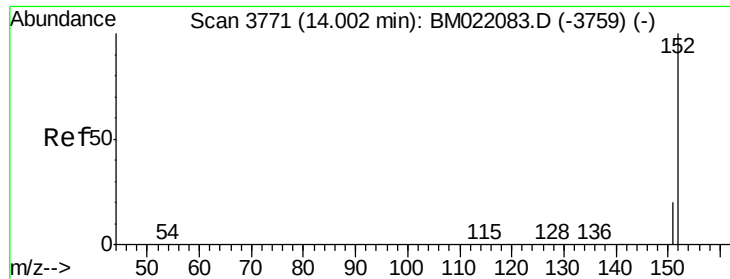
Acq: 14 Aug 2019 02:09

Tgt Ion:	142	Resp:	895
Ion Ratio	Lower	Upper	
142	100		
141	94.3	74.3	111.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.172 ng/ul

RT: 13.98 min Scan# 3766

Delta R.T. -0.02 min

Lab File: BM022087.D

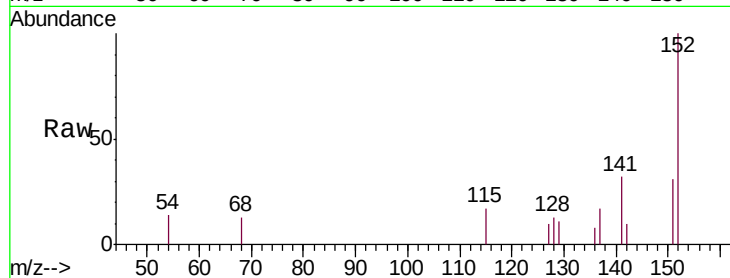
Acq: 14 Aug 2019 02:09

Instrument :

BNA_M

ClientSampleId :

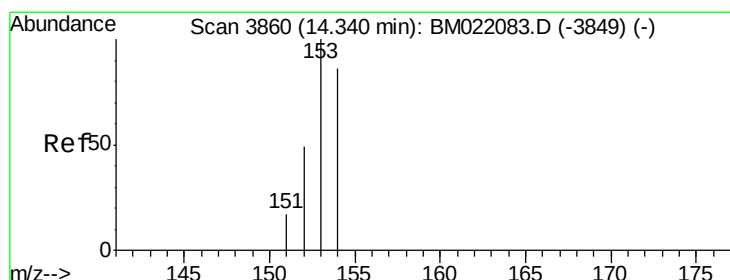
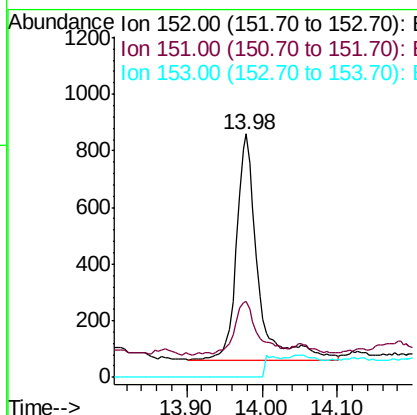
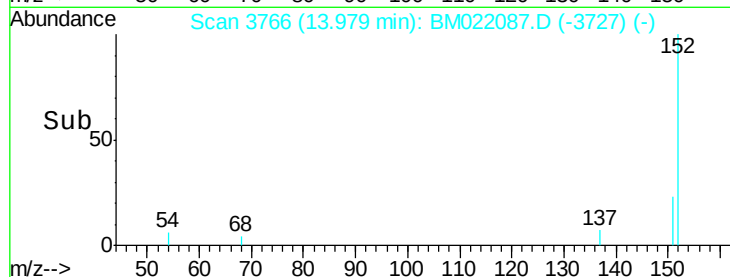
C0AG1



Tgt Ion	Ratio	Lower	Upper
152	100		
151	31.0	18.3	27.5#
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 1.063 ng/ul

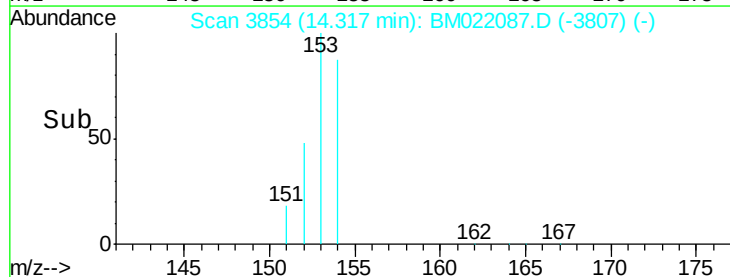
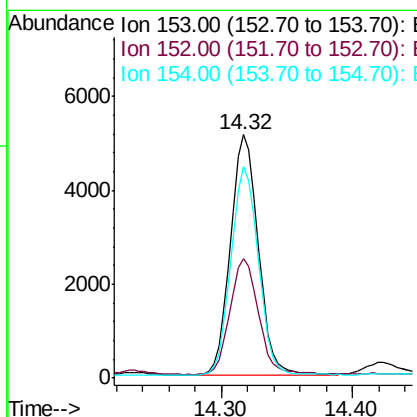
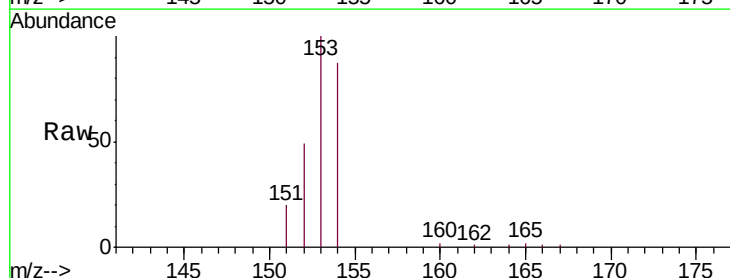
RT: 14.32 min Scan# 3854

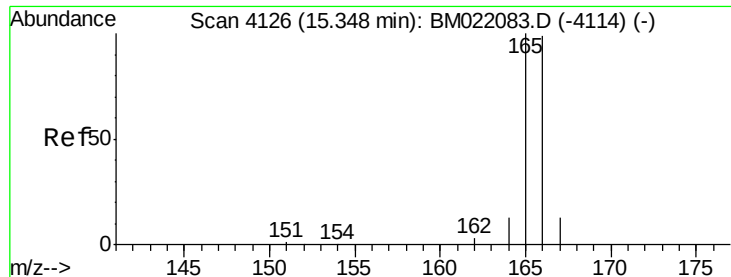
Delta R.T. -0.02 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.1	41.3	61.9
154	86.9	72.3	108.5





#9

Fluorene

Concen: 1.209 ng/ul

RT: 15.31 min Scan# 4117

Delta R.T. -0.03 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Instrument :

BNA_M

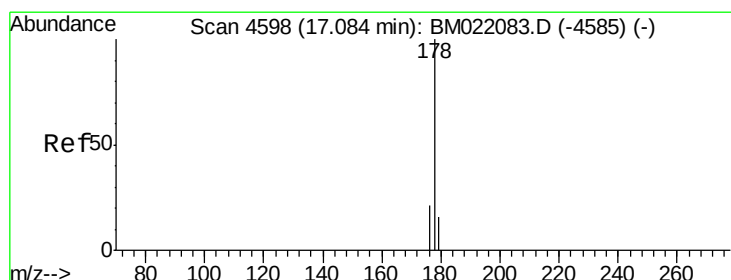
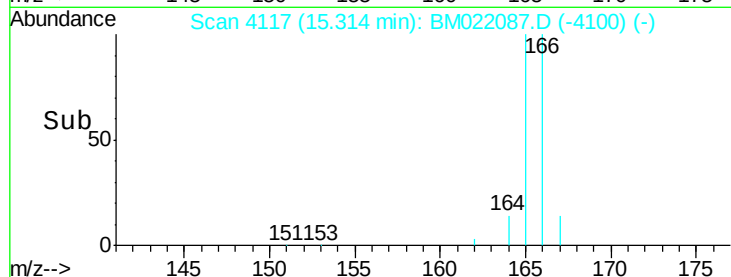
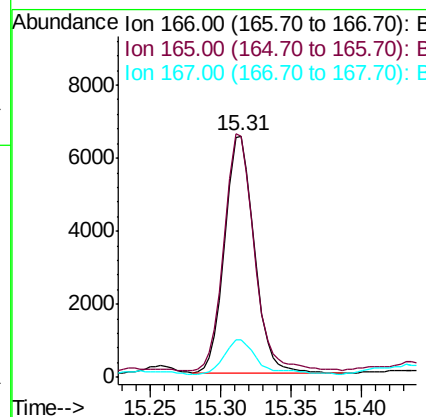
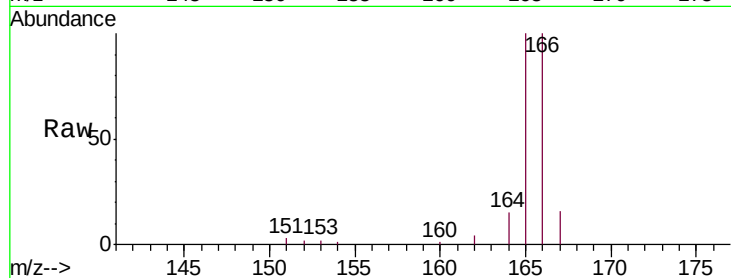
ClientSampleId :

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Tgt Ion:	166	Resp:	9485
Ion Ratio	Lower	Upper	
166	100		
165	99.6	81.4	122.0
167	15.6	13.7	20.5

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#12

Phenanthrene

Concen: 15.137 ng/ul m

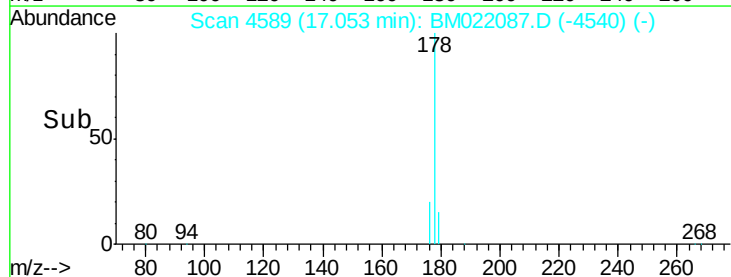
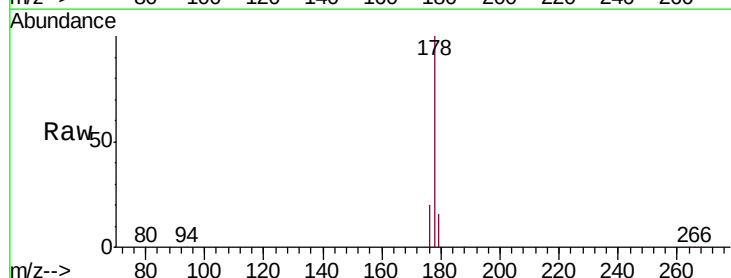
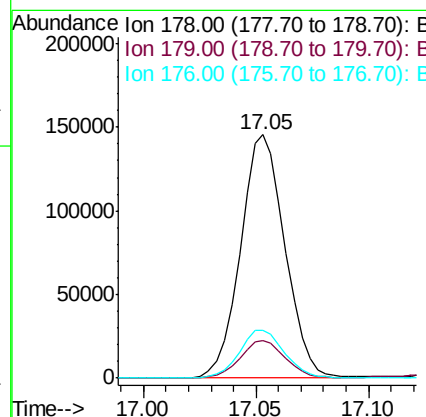
RT: 17.05 min Scan# 4589

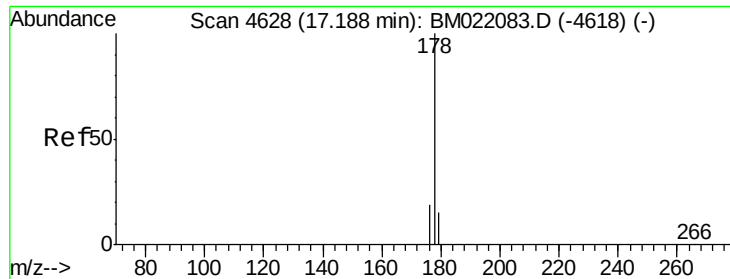
Delta R.T. -0.03 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Tgt Ion:	178	Resp:	199557
Ion Ratio	Lower	Upper	
178	100		
179	15.6	14.2	21.2
176	19.8	16.8	25.2





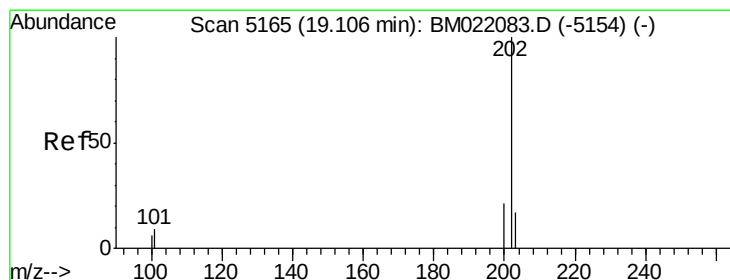
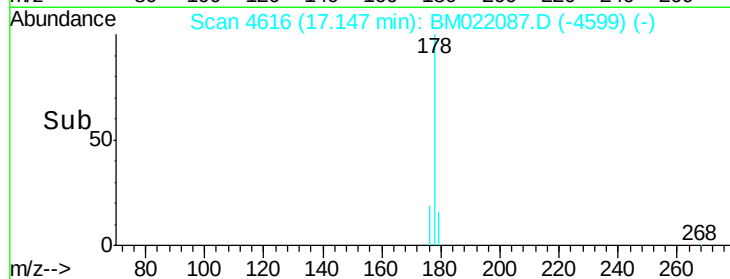
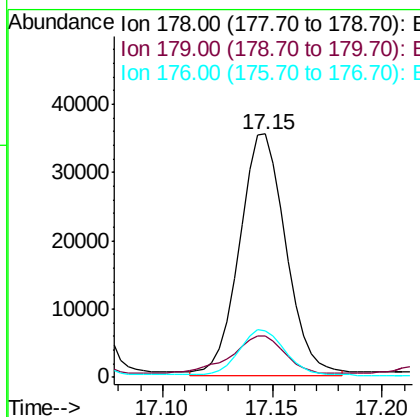
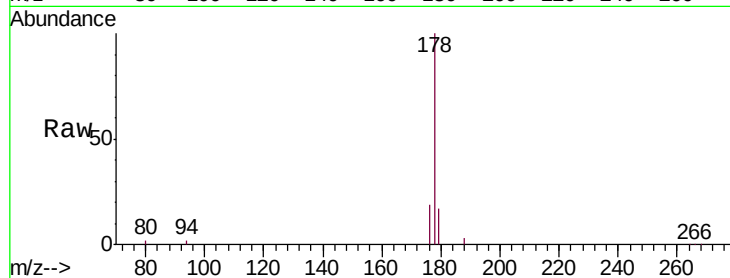
#13
 Anthracene
 Concen: 4.625 ng/ul m
 RT: 17.15 min Scan# 4616
 Delta R.T. -0.04 min
 Lab File: BM022087.D
 Acq: 14 Aug 2019 02:09

Instrument :
 BNA_M
 ClientSampleId :
 C0AG1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	15.5	23.3
176	19.3	16.6	25.0

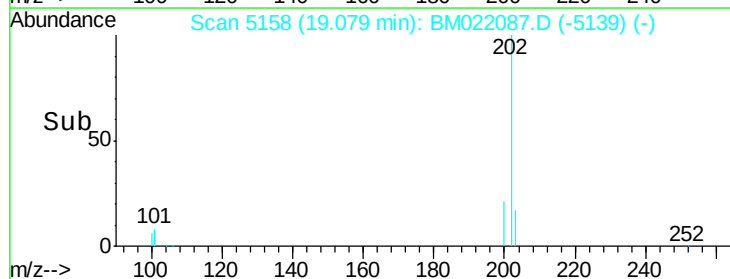
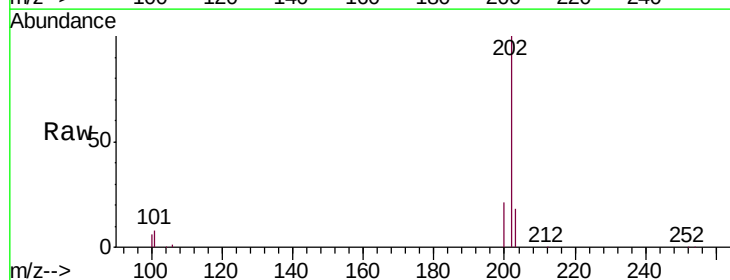
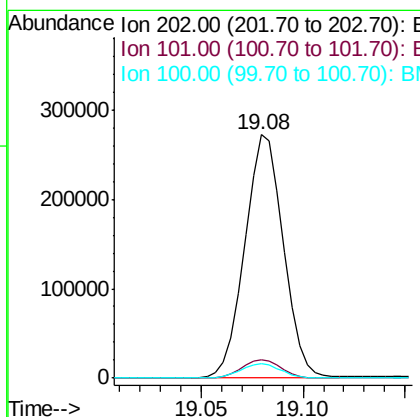
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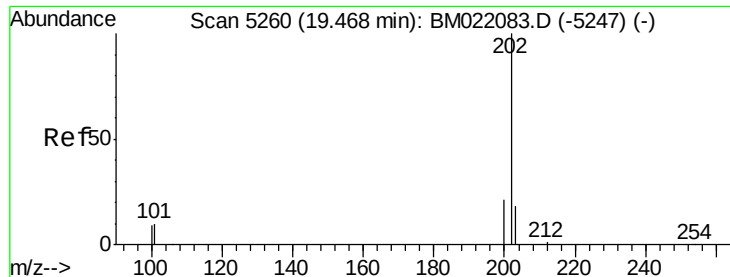
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#15
 Fluoranthene
 Concen: 20.482 ng/ul m
 RT: 19.08 min Scan# 5158
 Delta R.T. -0.03 min
 Lab File: BM022087.D
 Acq: 14 Aug 2019 02:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	30.2
100	6.2	0.0	28.1





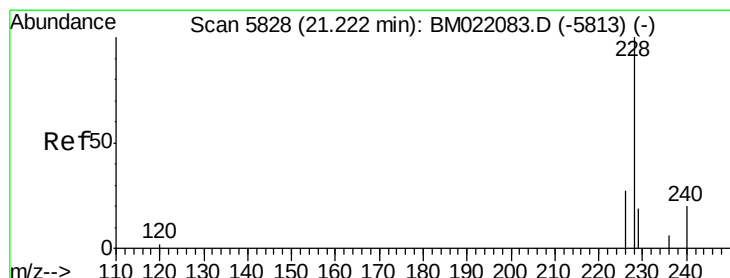
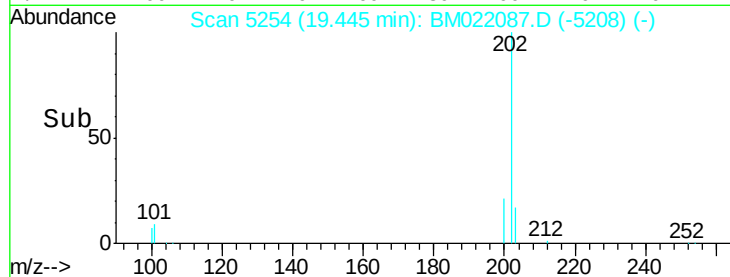
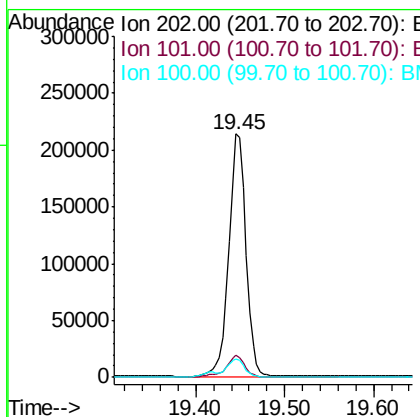
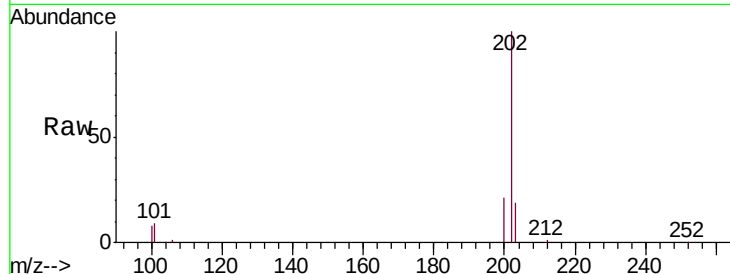
#17
Pyrene
 Concen: 12.649 ng/ul
 RT: 19.45 min Scan# 5254
 Delta R.T. -0.02 min
 Lab File: BM022087.D
 Acq: 14 Aug 2019 02:09

Instrument :
 BNA_M
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.9	8.3	12.5
100	7.6	7.2	10.8

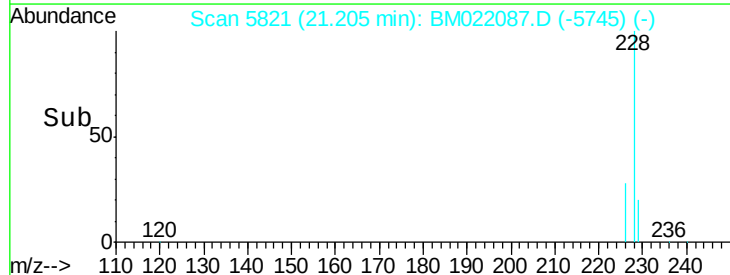
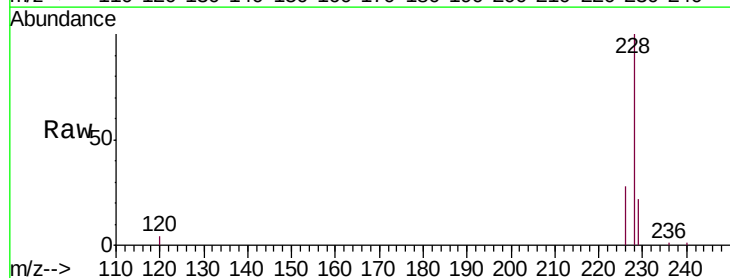
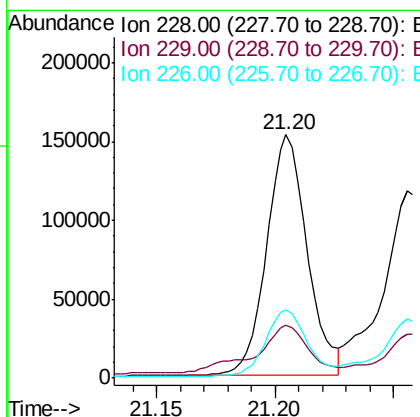
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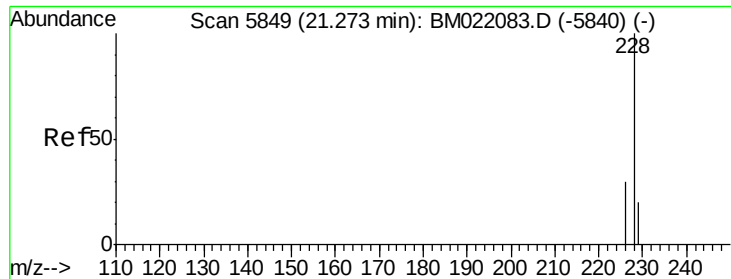
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#18
Benzo(a)anthracene
 Concen: 9.303 ng/ul
 RT: 21.20 min Scan# 5821
 Delta R.T. -0.02 min
 Lab File: BM022087.D
 Acq: 14 Aug 2019 02:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.8	17.2	25.8
226	28.2	22.6	34.0





#19

Chrysene

Concen: 6.600 ng/ul

RT: 21.26 min Scan# 5842

Delta R.T. -0.02 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Instrument :

BNA_M

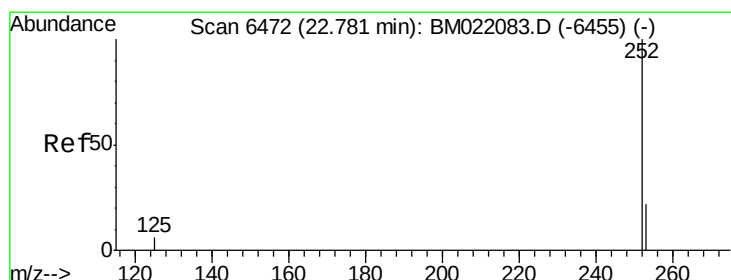
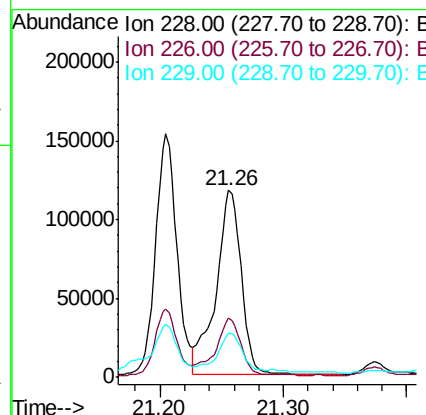
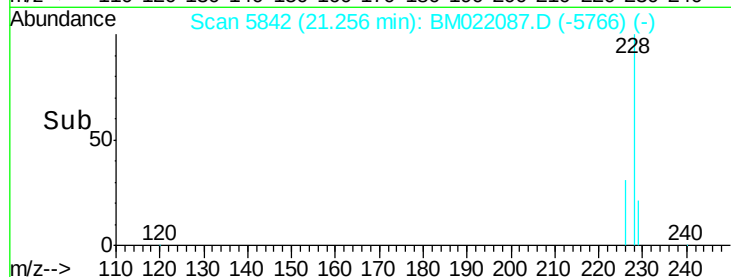
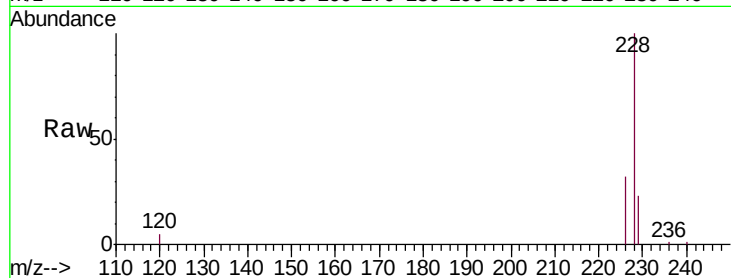
ClientSampleId :

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Tgt Ion:	228	Resp:	166593
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.9	37.3
229	23.5	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 10.878 ng/ul m

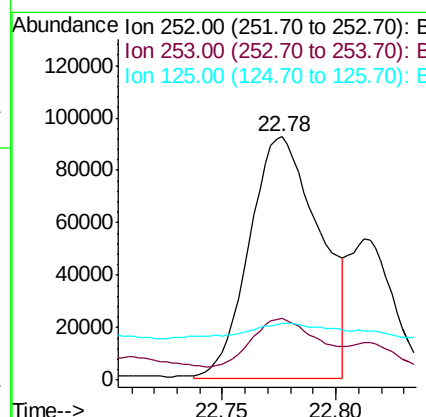
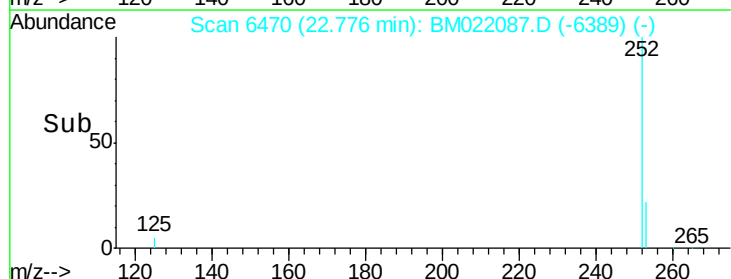
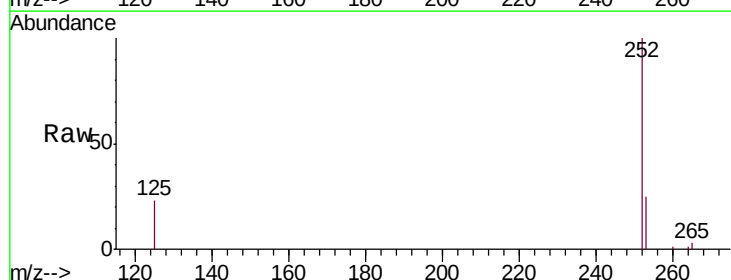
RT: 22.78 min Scan# 6470

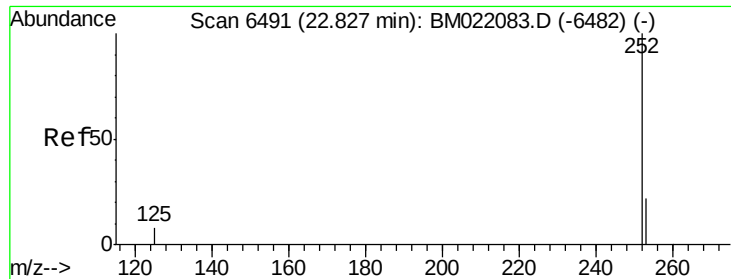
Delta R.T. -0.00 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Tgt Ion:	252	Resp:	197934
Ion Ratio	Lower	Upper	
252	100		
253	25.2	0.0	67.4
125	23.1	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 3.503 ng/ul m

RT: 22.81 min Scan# 6485

Delta R.T. -0.01 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Instrument :

BNA_M

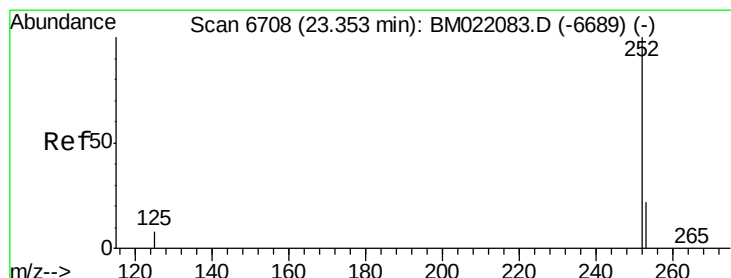
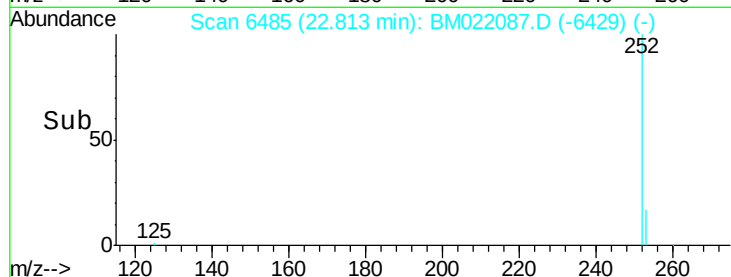
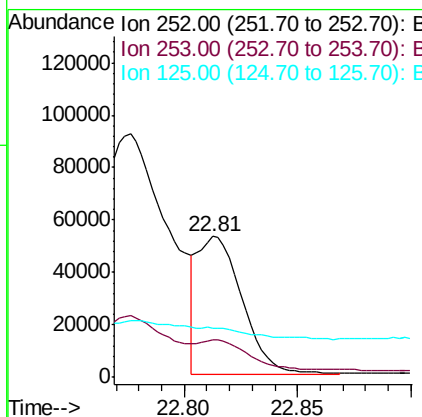
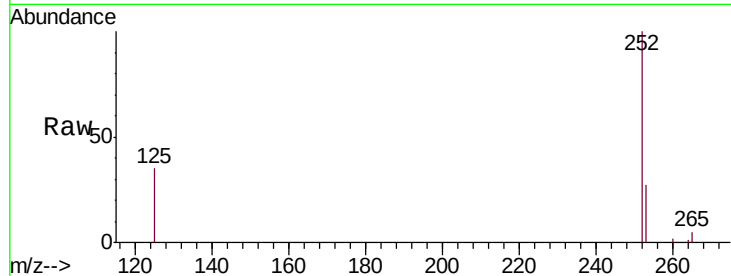
ClientSampleId :

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Tgt Ion:	252	Resp:	72133
Ion Ratio	Lower	Upper	
252	100		
253	26.6	27.0	40.4#
125	34.8	12.2	18.2#

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#23

Benzo(a)pyrene

Concen: 6.781 ng/ul

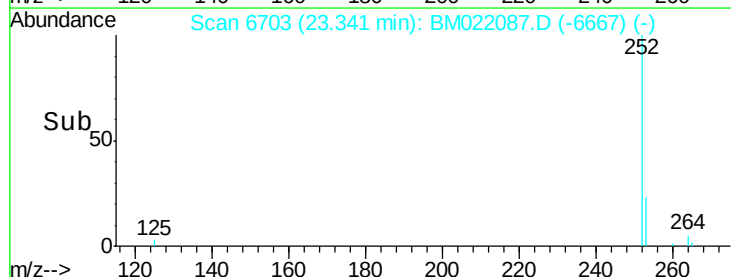
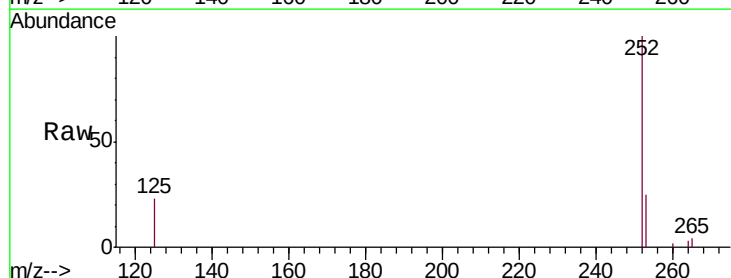
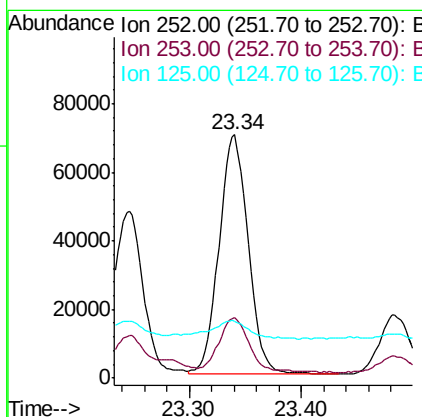
RT: 23.34 min Scan# 6703

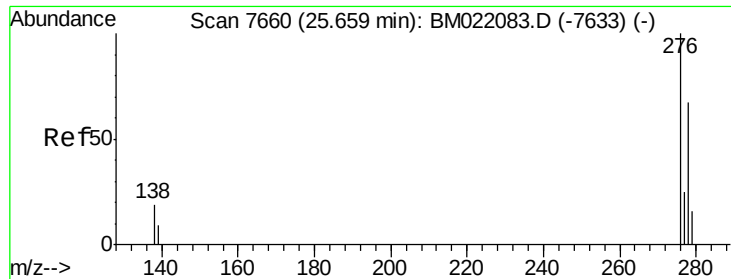
Delta R.T. -0.01 min

Lab File: BM022087.D

Acq: 14 Aug 2019 02:09

Tgt Ion:	252	Resp:	125475
Ion Ratio	Lower	Upper	
252	100		
253	25.1	31.7	47.5#
125	23.4	14.6	21.8#





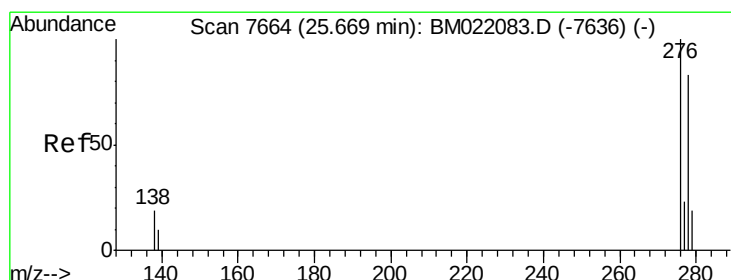
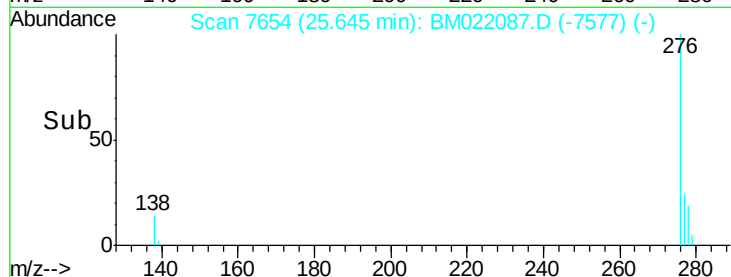
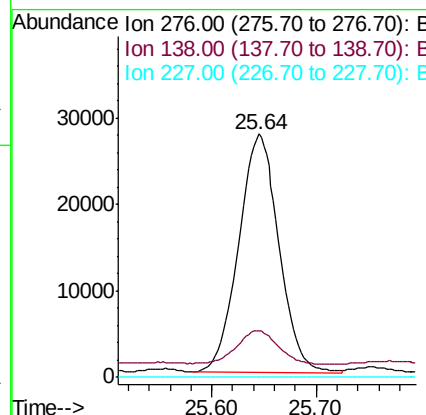
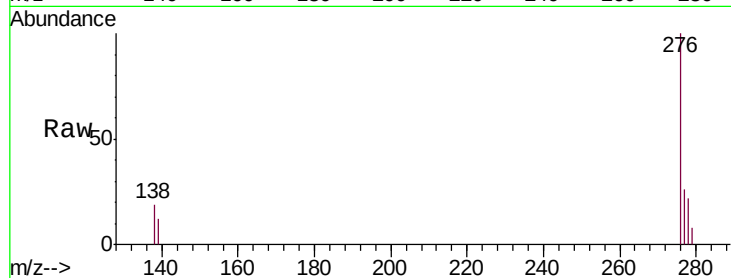
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.362 ng/ul
 RT: 25.64 min Scan# 7654
 Delta R.T. -0.01 min
 Lab File: BM022087.D
 Acq: 14 Aug 2019 02:09

Instrument :
 BNA_M
 ClientSampleId :
 C0AG1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.8	15.1	22.7#
227	0.0	0.0	0.0

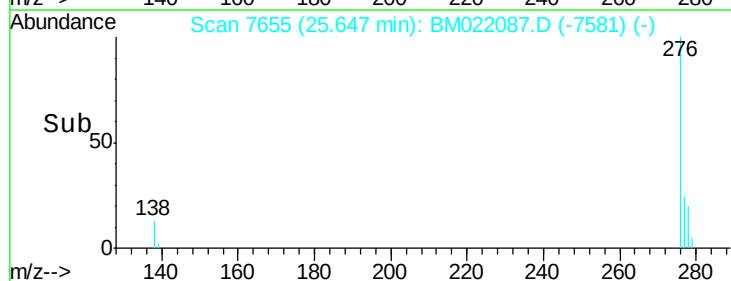
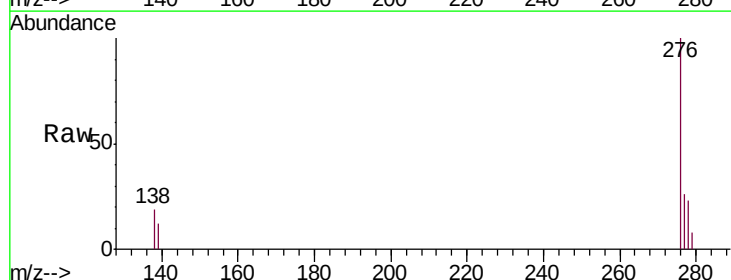
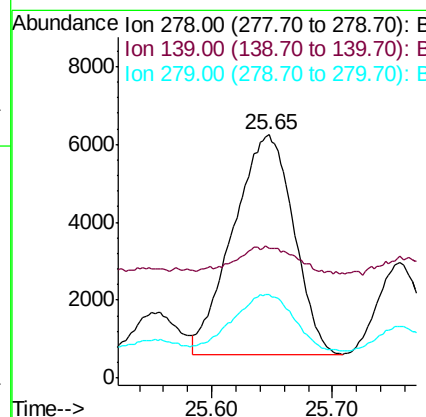
Manual Integrations
 APPROVED

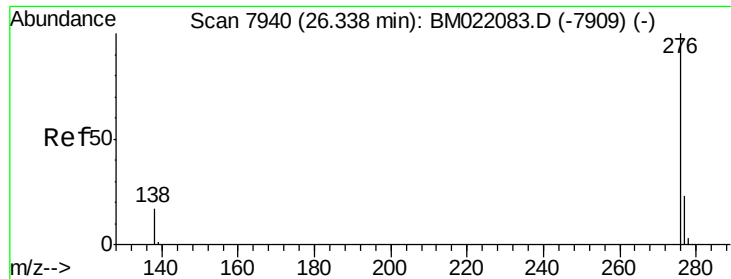
mohammad
 8/15/2019 5:08:04 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.101 ng/ul
 RT: 25.65 min Scan# 7655
 Delta R.T. -0.02 min
 Lab File: BM022087.D
 Acq: 14 Aug 2019 02:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	53.1	14.2	21.2#
279	34.6	28.3	42.5





#26

Benzo(g,h,i)perylene

Concen: 3.390 ng/ul

RT: 26.33 min Scan# 7937

Delta R.T. -0.01 min

Lab File: BM022087.D

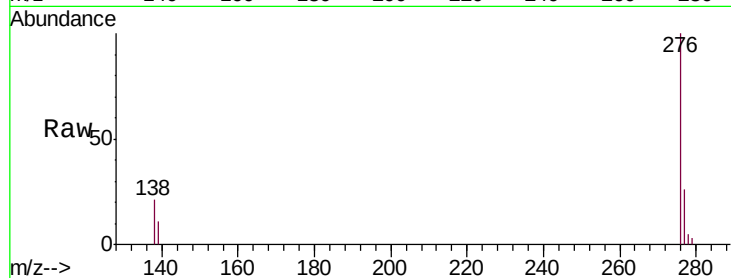
Acq: 14 Aug 2019 02:09

Instrument :

BNA_M

ClientSampleId :

C0AG1



Tgt Ion: 276 Resp: 67442

Ion Ratio Lower Upper

276 100

138 20.7 15.5 23.3

277 25.8 21.4 32.2

Manual Integrations

APPROVED

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8/15/2019 5:08:04 PM

