

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022133.D
 Acq On : 15 Aug 2019 07:38
 Operator : HP/JU
 Sample : K4304-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5P3

Manual Integrations
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mohammad
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Quant Time: Aug 15 13:09:07 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 13:53:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	909	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3686	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	2113	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.00	188	4462m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4621m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4691m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	2172	0.36	ng/ul	-0.04
14) Fluoranthene-d10	19.05	212	5933m	0.39	ng/ul	-0.02
Target Compounds					Qvalue	
3) Naphthalene	10.42	128	27154	2.608	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	15963	2.301	ng/ul	97
7) Acenaphthylene	13.97	152	30622	3.107	ng/ul#	81
8) Acenaphthene	14.31	153	22089	2.739	ng/ul	96
9) Fluorene	15.31	166	39594	4.421	ng/ul	98
12) Phenanthrene	17.05	178	748721m	57.669	ng/ul	
13) Anthracene	17.14	178	99647m	8.998	ng/ul	
15) Fluoranthene	19.08	202	967480m	55.630	ng/ul	
17) Pyrene	19.44	202	794976	41.865	ng/ul	96
18) Benzo(a)anthracene	21.20	228	398067m	24.083	ng/ul	
19) Chrysene	21.25	228	415362	19.539	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	507234m	32.065	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	182263m	10.181	ng/ul	
23) Benzo(a)pyrene	23.33	252	335631	20.863	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.62	276	228459	11.894	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.62	278	68099m	4.386	ng/ul	
26) Benzo(g,h,i)perylene	26.30	276	197714	11.433	ng/ul	94

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

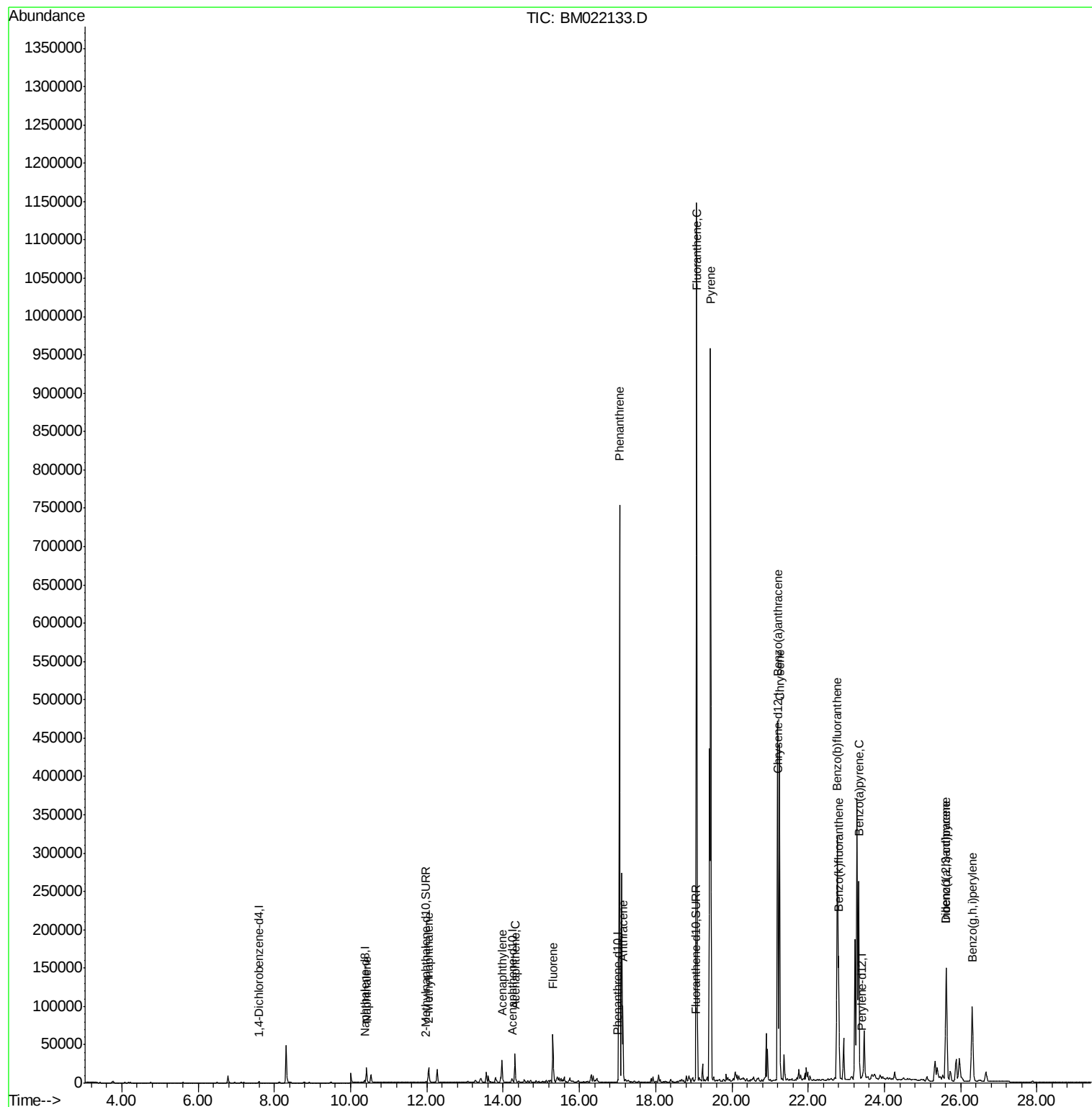
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022133.D
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ALS Vial : 36 Sample Multiplier: 1

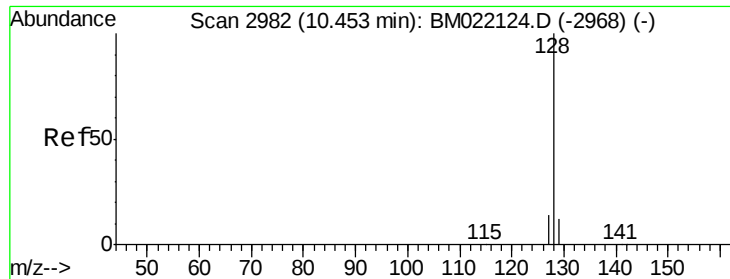
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#3

Naphthalene

Concen: 2.608 ng/ul

RT: 10.42 min Scan# 2974

Delta R.T. -0.04 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Instrument :

BNA_M

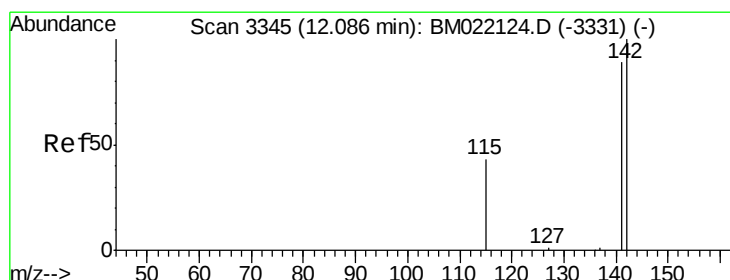
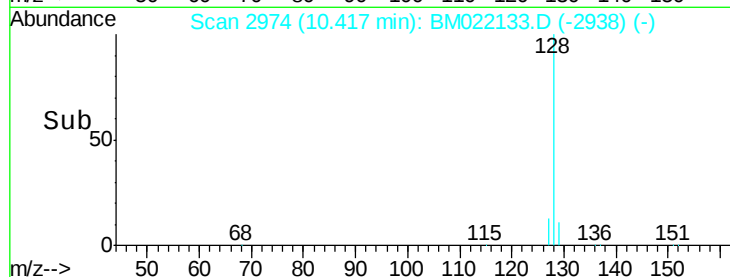
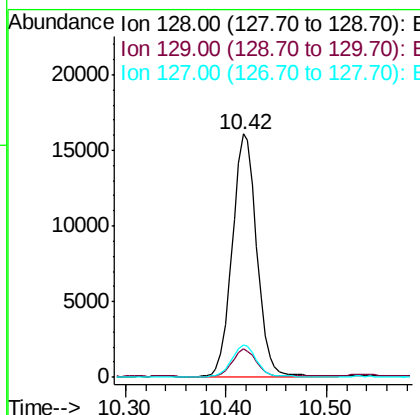
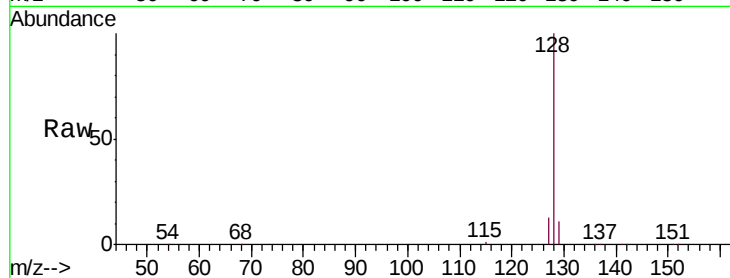
ClientSampleId :

CB5P3

Tgt Ion:	128	Resp:	27154
Ion Ratio		Lower	Upper
128	100		
129	11.5	12.3	18.5#
127	13.5	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 2.301 ng/ul

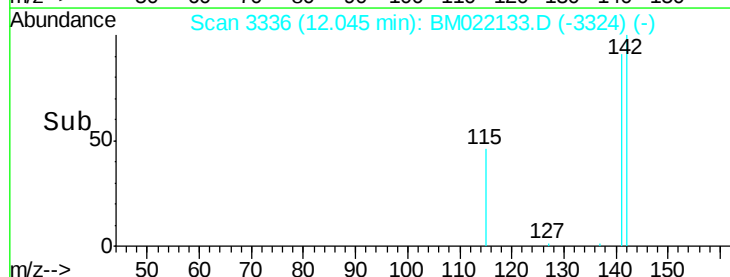
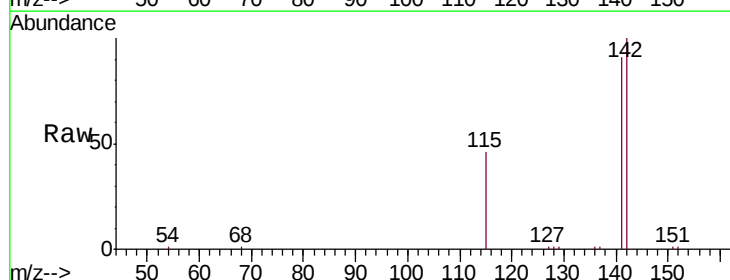
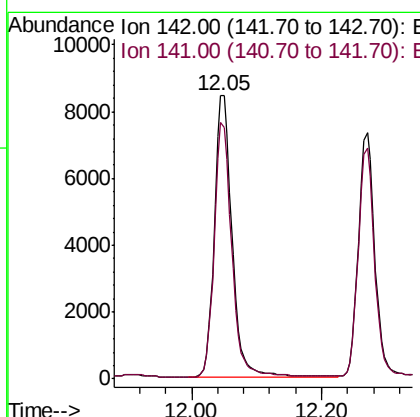
RT: 12.05 min Scan# 3336

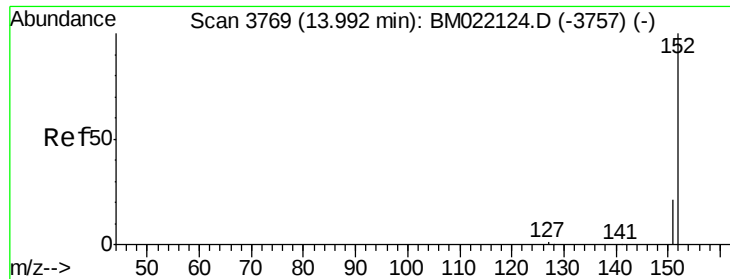
Delta R.T. -0.04 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Tgt Ion:	142	Resp:	15963
Ion Ratio		Lower	Upper
142	100		
141	90.1	74.3	111.5





#7

Acenaphthylene

Concen: 3.107 ng/ul

RT: 13.97 min Scan# 3764

Delta R.T. -0.03 min

Lab File: BM022133.D

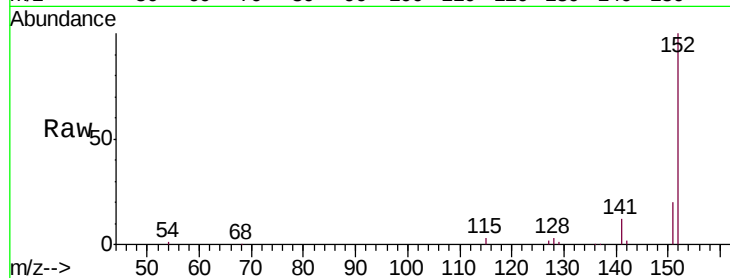
Acq: 15 Aug 2019 07:38

Instrument :

BNA_M

ClientSampleId :

CB5P3



Tgt Ion:152 Resp: 30622

Ion Ratio Lower Upper

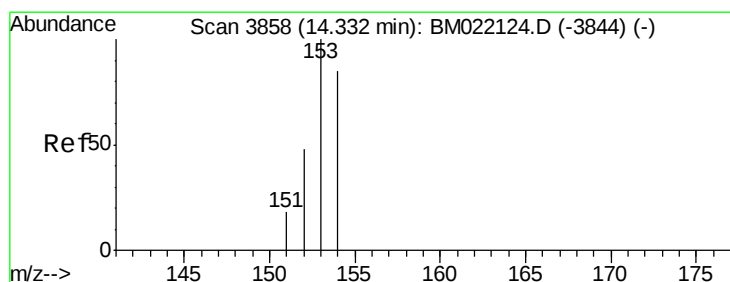
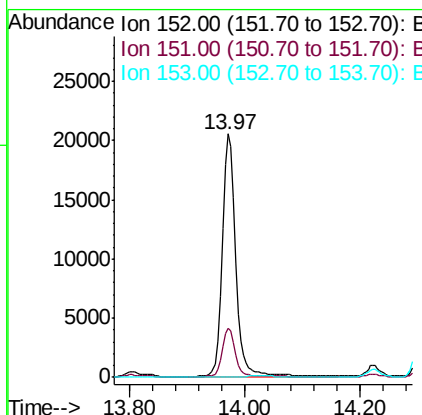
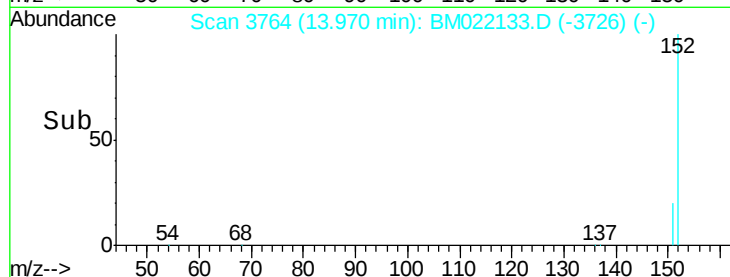
152 100

151 20.4 18.3 27.5

153 0.0 12.8 19.2#

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#8

Acenaphthene

Concen: 2.739 ng/ul

RT: 14.31 min Scan# 3853

Delta R.T. -0.02 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

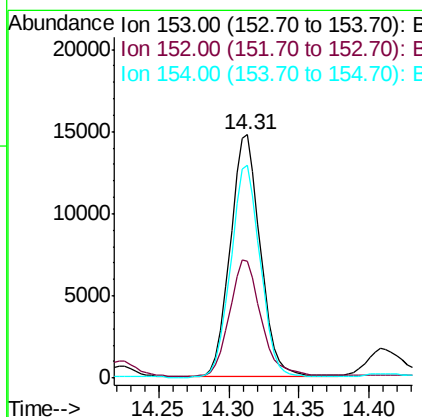
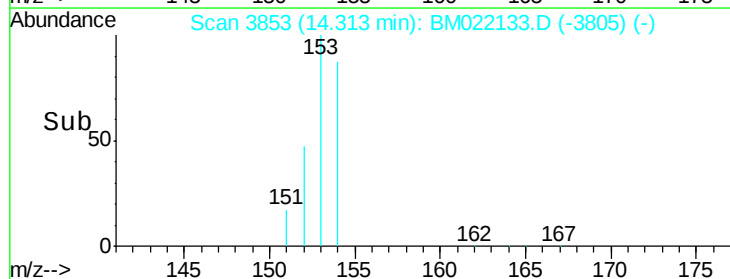
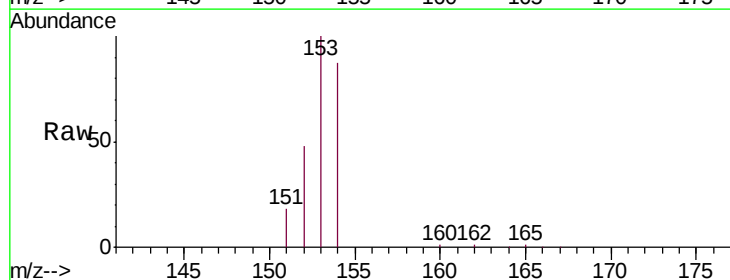
Tgt Ion:153 Resp: 22089

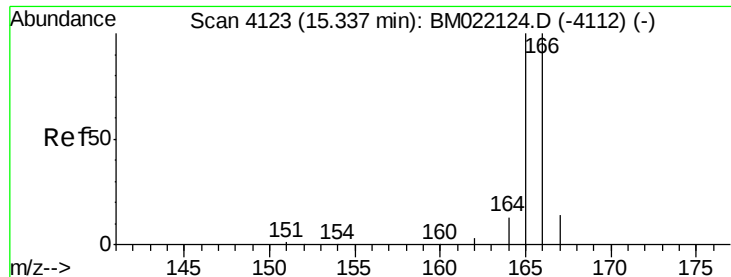
Ion Ratio Lower Upper

153 100

152 48.2 41.3 61.9

154 87.3 72.3 108.5





#9

Fluorene

Concen: 4.421 ng/ul

RT: 15.31 min Scan# 4115

Delta R.T. -0.03 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Instrument :

BNA_M

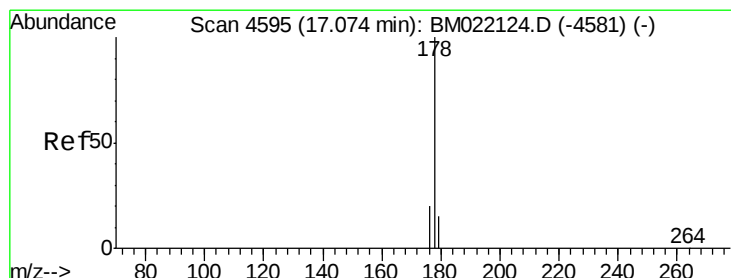
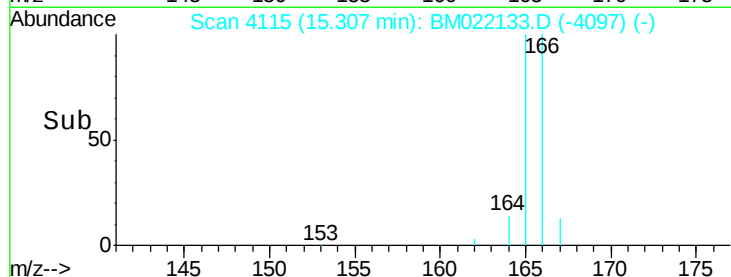
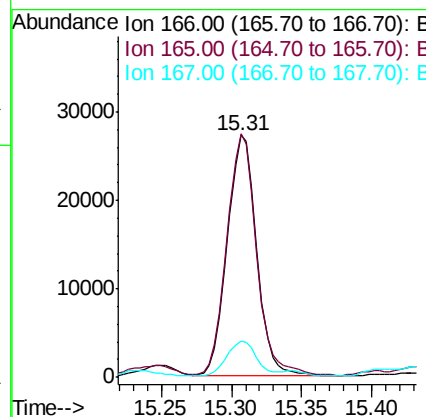
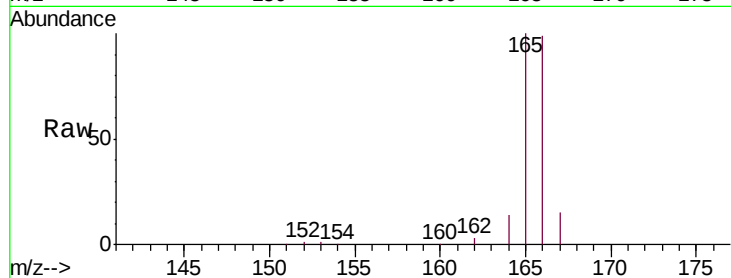
ClientSampleId :

CB5P3

Tgt Ion:	166	Resp:	39594
Ion Ratio	Lower	Upper	
166	100		
165	100.6	81.4	122.0
167	15.1	13.7	20.5

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#12

Phenanthrene

Concen: 57.669 ng/ul m

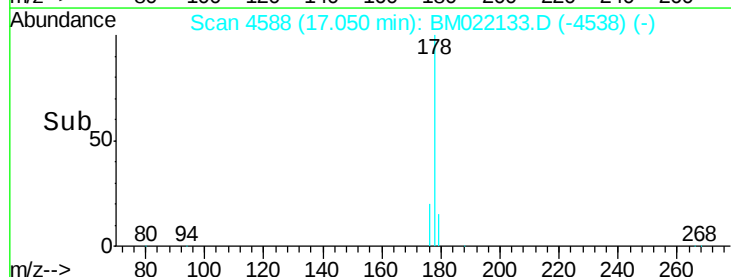
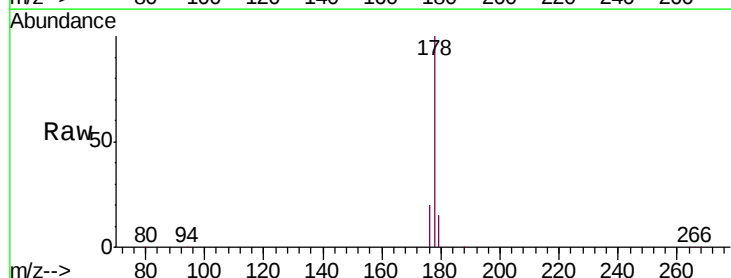
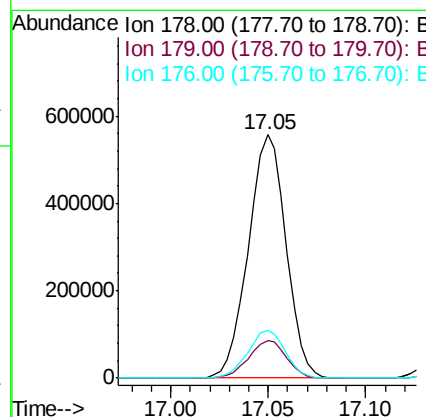
RT: 17.05 min Scan# 4588

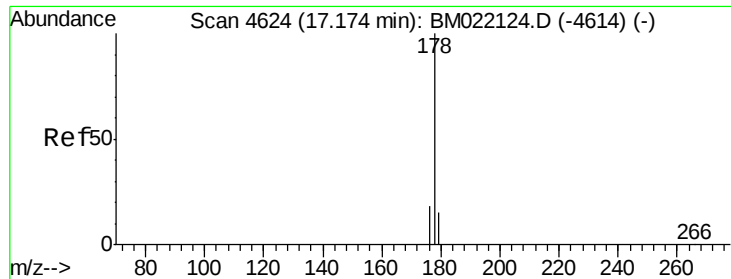
Delta R.T. -0.03 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Tgt Ion:	178	Resp:	748721
Ion Ratio	Lower	Upper	
178	100		
179	15.4	14.2	21.2
176	19.8	16.8	25.2





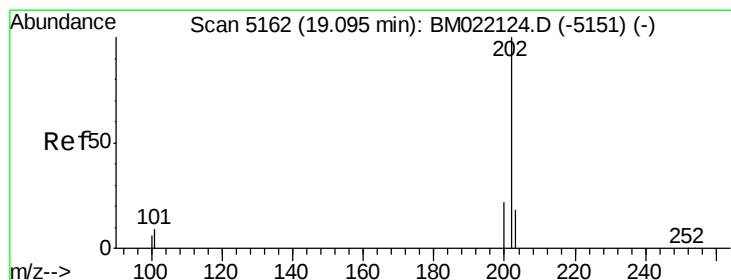
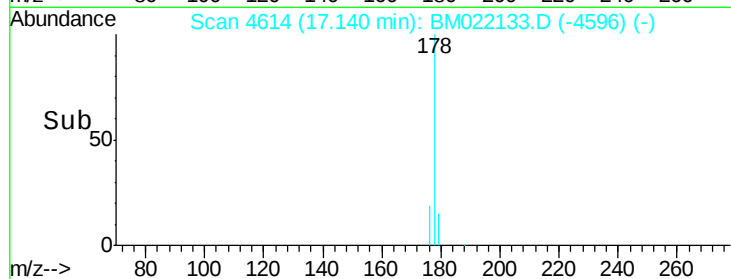
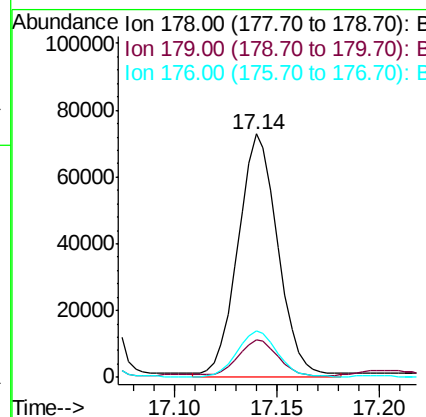
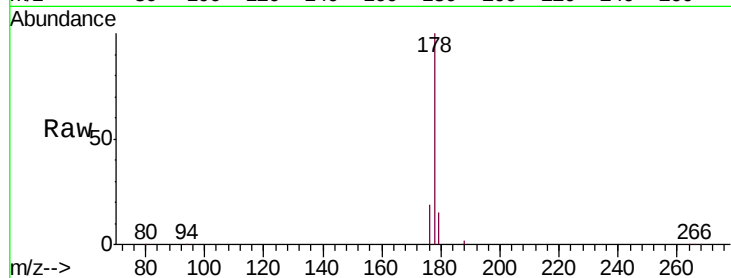
#13
 Anthracene
 Concen: 8.998 ng/ul m
 RT: 17.14 min Scan# 4614
 Delta R.T. -0.04 min
 Lab File: BM022133.D
 Acq: 15 Aug 2019 07:38

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	15.5	23.3#
176	19.0	16.6	25.0

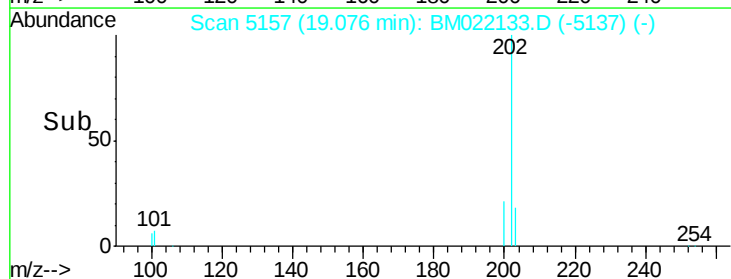
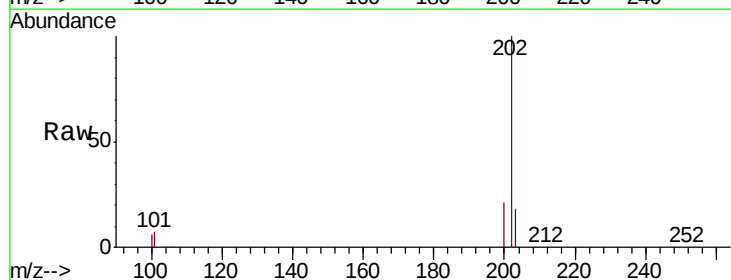
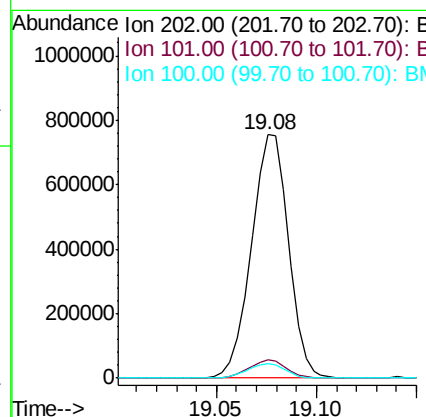
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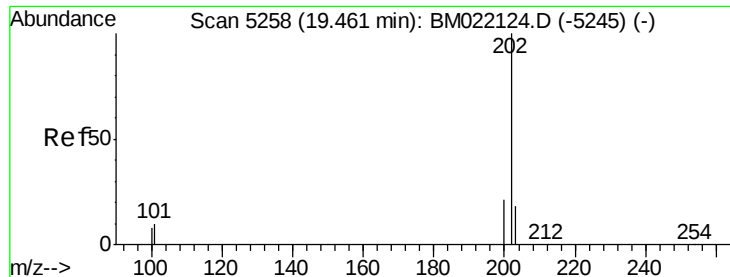
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#15
 Fluoranthene
 Concen: 55.630 ng/ul m
 RT: 19.08 min Scan# 5157
 Delta R.T. -0.02 min
 Lab File: BM022133.D
 Acq: 15 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	30.2
100	5.8	0.0	28.1





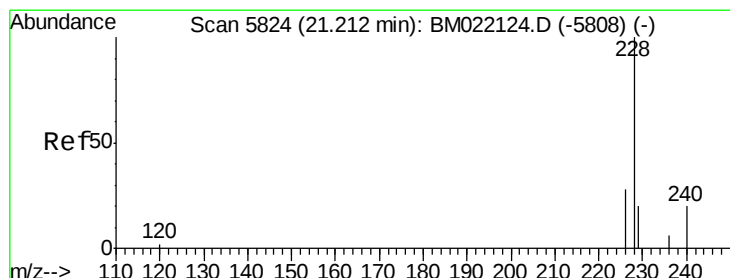
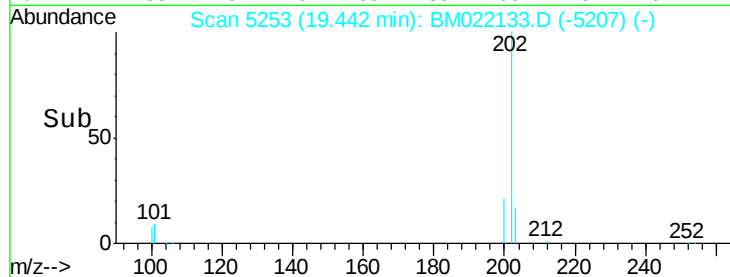
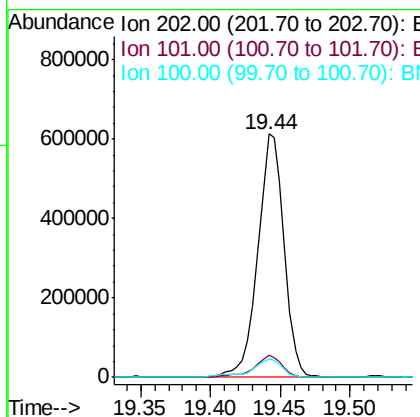
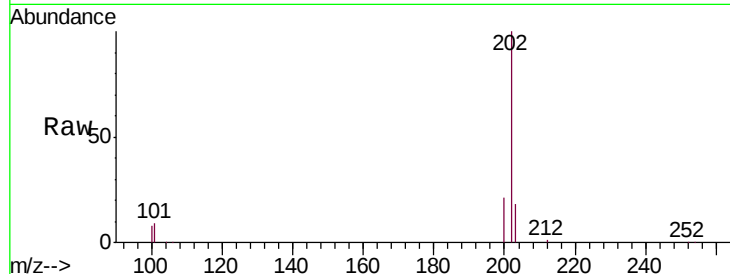
#17
 Pyrene
 Concen: 41.865 ng/ul
 RT: 19.44 min Scan# 5253
 Delta R.T. -0.02 min
 Lab File: BM022133.D
 Acq: 15 Aug 2019 07:38

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.0	8.3	12.5
100	7.5	7.2	10.8

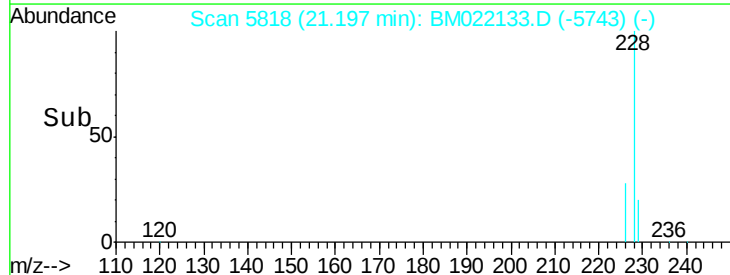
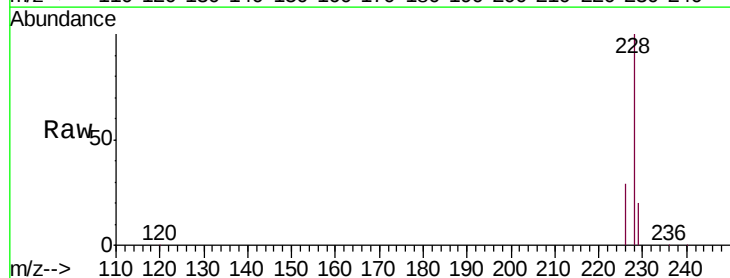
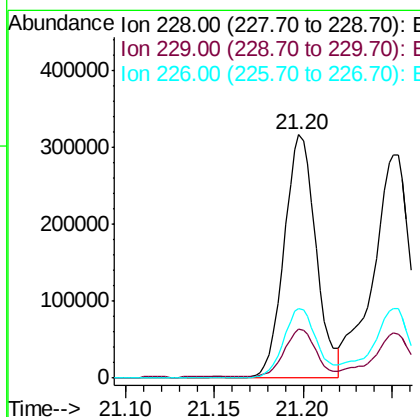
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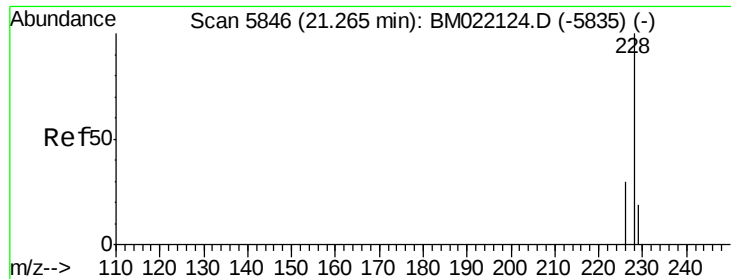
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#18
 Benzo(a)anthracene
 Concen: 24.083 ng/ul m
 RT: 21.20 min Scan# 5818
 Delta R.T. -0.02 min
 Lab File: BM022133.D
 Acq: 15 Aug 2019 07:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.1	17.2	25.8
226	28.5	22.6	34.0





#19

Chrysene

Concen: 19.539 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.02 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Instrument :

BNA_M

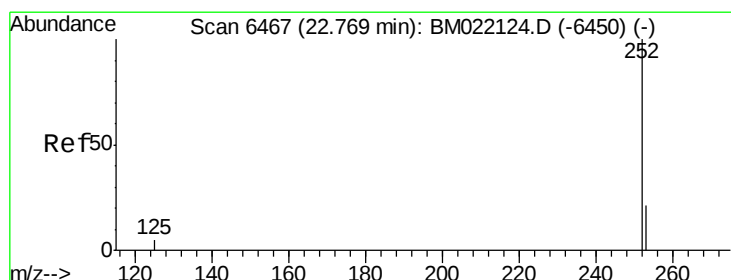
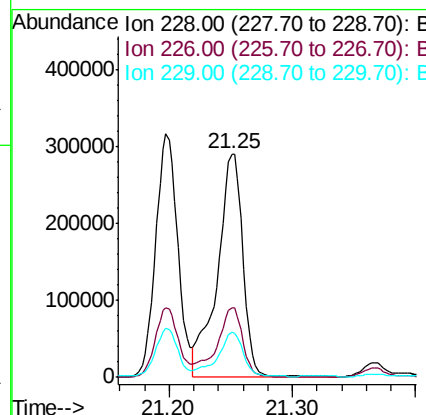
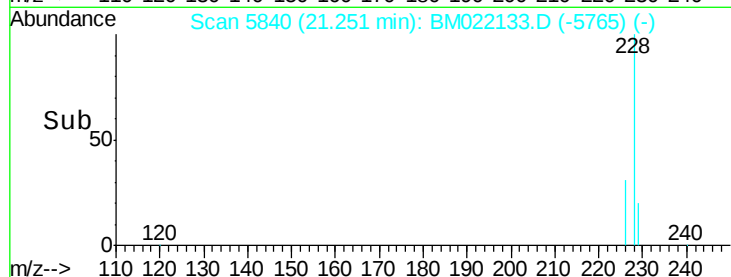
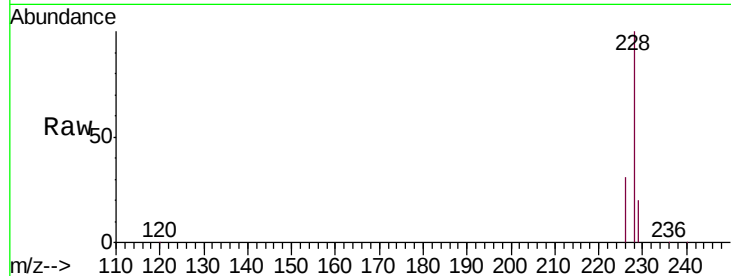
ClientSampleId :

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Tgt Ion:	228	Resp:	415362
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	20.0	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 32.065 ng/ul m

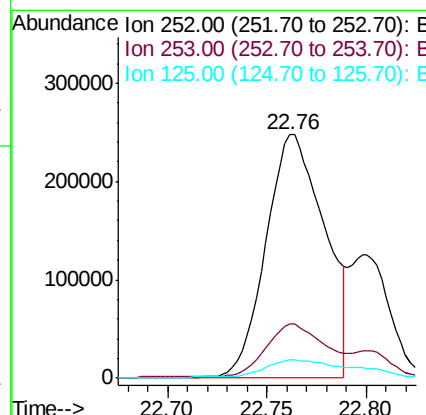
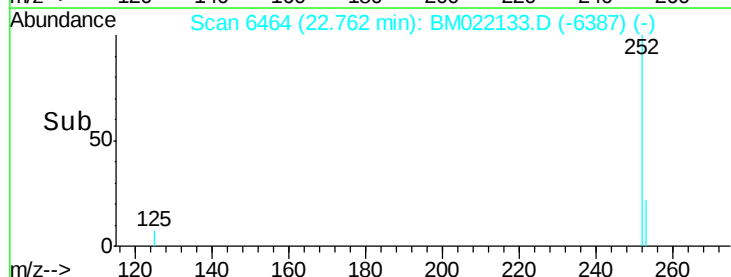
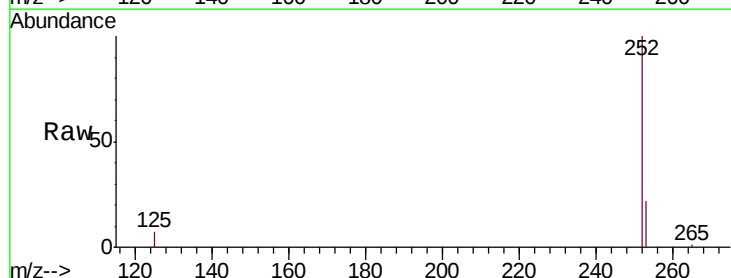
RT: 22.76 min Scan# 6464

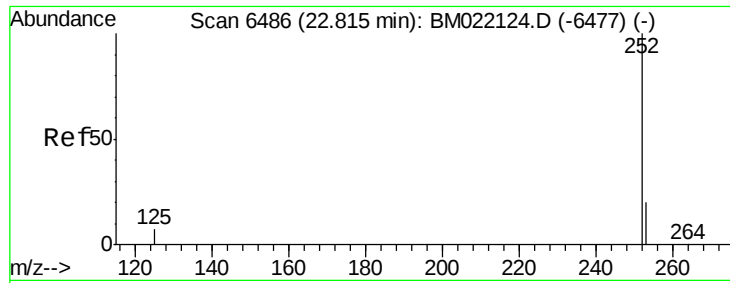
Delta R.T. -0.01 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Tgt Ion:	252	Resp:	507234
Ion Ratio	Lower	Upper	
252	100		
253	22.1	0.0	67.4
125	7.4	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 10.181 ng/ul m

RT: 22.80 min Scan# 6480

Delta R.T. -0.02 min

Lab File: BM022133.D

Acq: 15 Aug 2019 07:38

Instrument :

BNA_M

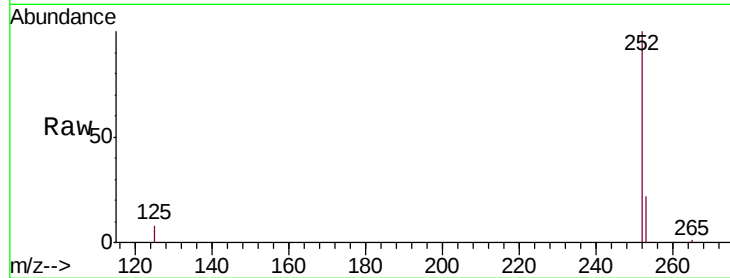
ClientSampleId :

CB5P3

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	182263		
253	22.2	27.0	40.4#	
125	8.1	12.2	18.2#	

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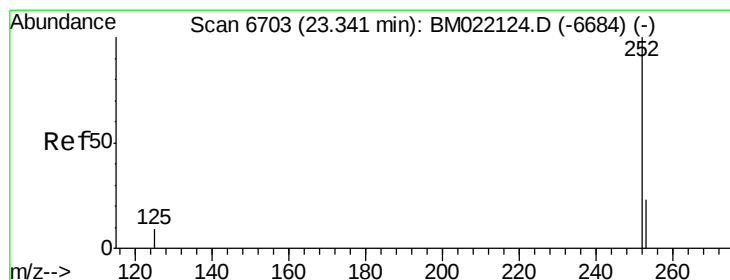
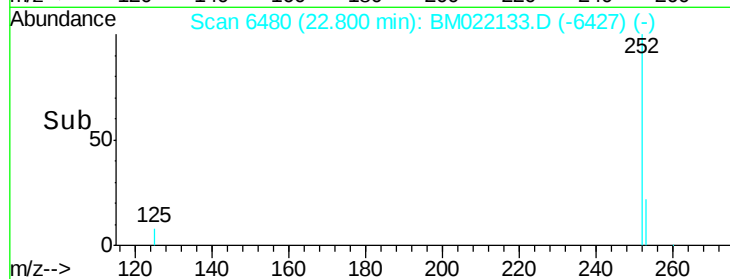
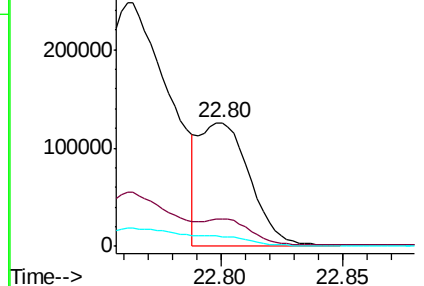
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 20.863 ng/ul

RT: 23.33 min Scan# 6697

Delta R.T. -0.02 min

Lab File: BM022133.D

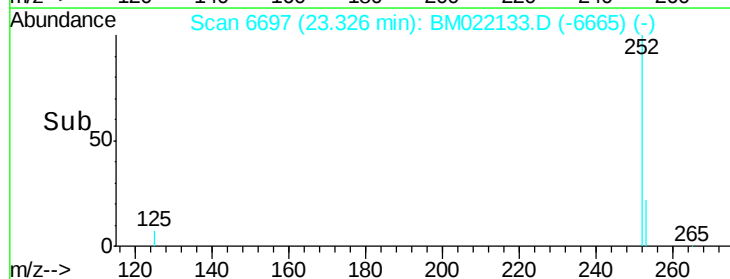
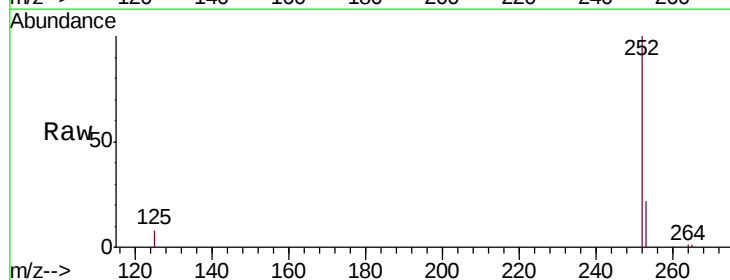
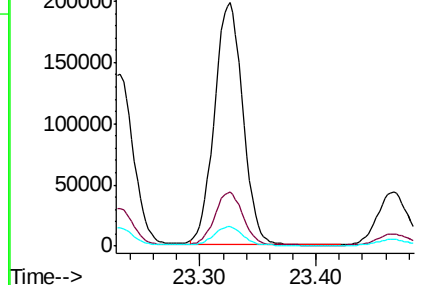
Acq: 15 Aug 2019 07:38

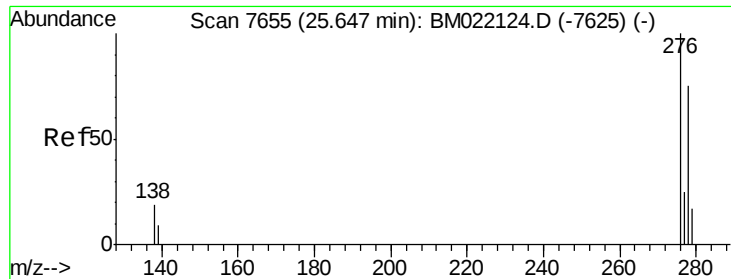
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	335631		
253	22.1	31.7	47.5#	
125	7.9	14.6	21.8#	

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





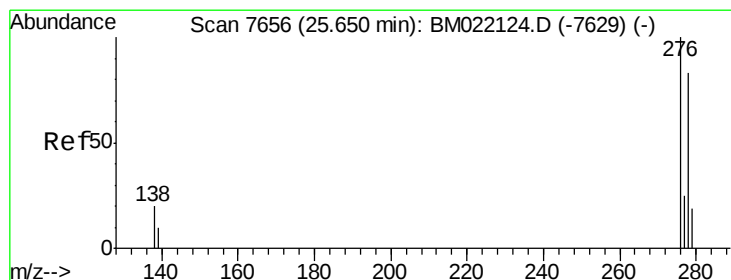
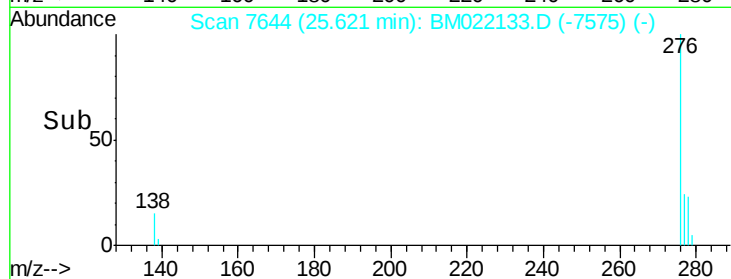
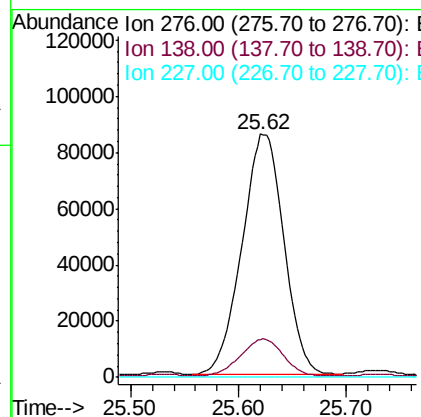
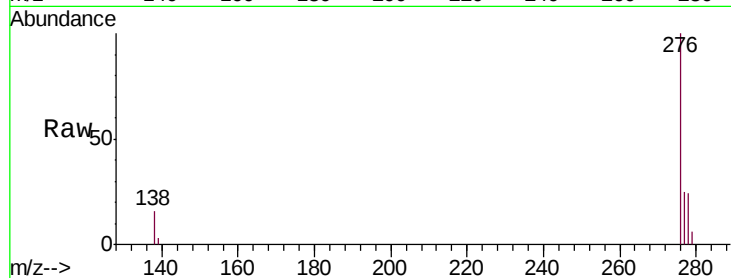
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 11.894 ng/ul
 RT: 25.62 min Scan# 7644
 Delta R.T. -0.03 min
 Lab File: BM022133.D
 Acq: 15 Aug 2019 07:38

Instrument :
 BNA_M
 ClientSampleId :
 CB5P3

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	228459		
138	15.9	15.1	22.7	
227	0.0	0.0	0.0	

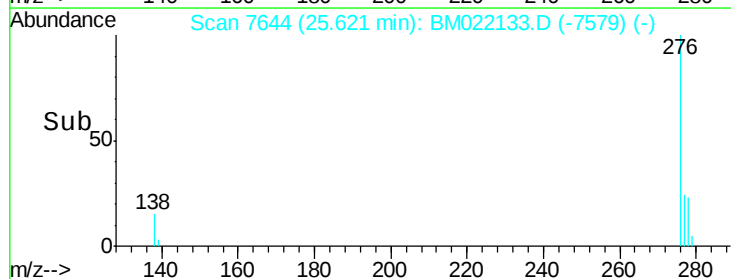
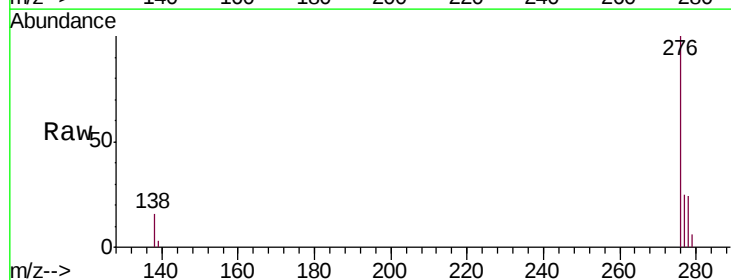
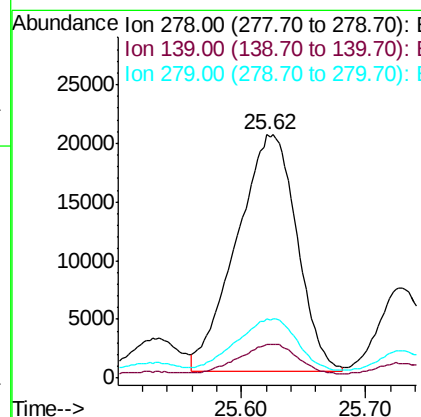
Manual Integrations
 APPROVED

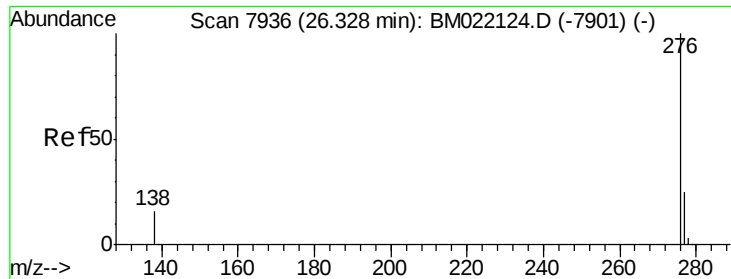
mohammad
 8/15/2019 5:10:23 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 4.386 ng/ul m
 RT: 25.62 min Scan# 7644
 Delta R.T. -0.04 min
 Lab File: BM022133.D
 Acq: 15 Aug 2019 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	68099		
139	14.0	14.2	21.2#	
279	24.4	28.3	42.5#	





#26

Benzo(g,h,i)perylene

Concen: 11.433 ng/ul

RT: 26.30 min Scan# 7925

Delta R.T. -0.03 min

Lab File: BM022133.D

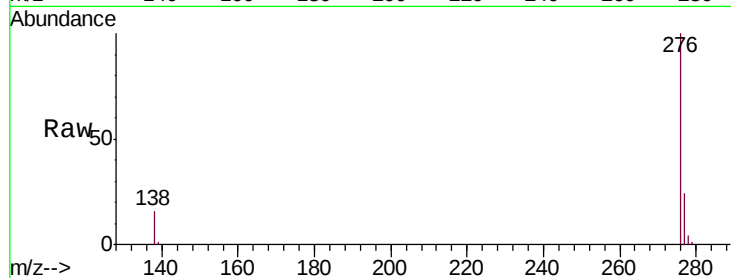
Acq: 15 Aug 2019 07:38

Instrument :

BNA_M

ClientSampleId :

CB5P3



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	16.2	15.5	23.3	
277	24.3	21.4	32.2	

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:23 PM

