

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022136.D
 Acq On : 15 Aug 2019 09:28
 Operator : HP/JU
 Sample : K4304-13DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5P4DL

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:10:31 PM

Quant Time: Aug 15 13:36:10 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	872	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.38	136	3619	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1971	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4426	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4500	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4767	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	483	0.08	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	1213	0.08	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.43	128	9609	0.940	ng/ul#	93
5) 2-Methylnaphthalene	12.06	142	2909	0.427	ng/ul	97
7) Acenaphthylene	13.97	152	1628	0.177	ng/ul#	83
8) Acenaphthene	14.31	153	6456	0.858	ng/ul	96
9) Fluorene	15.31	166	7467	0.894	ng/ul	98
12) Phenanthrene	17.05	178	92992	7.221	ng/ul	96
13) Anthracene	17.14	178	22987	2.093	ng/ul	94
15) Fluoranthene	19.08	202	133719	7.751	ng/ul	95
17) Pyrene	19.44	202	114857	6.211	ng/ul	98
18) Benzo(a)anthracene	21.20	228	61341	3.811	ng/ul	99
19) Chrysene	21.25	228	57031	2.755	ng/ul	100
21) Benzo(b)fluoranthene	22.76	252	77137m	4.799	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	29061m	1.597	ng/ul	
23) Benzo(a)pyrene	23.32	252	53922	3.298	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.62	276	35923	1.840	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.63	278	9036	0.573	ng/ul	94
26) Benzo(g,h,i)perylene	26.30	276	32076	1.825	ng/ul	96

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

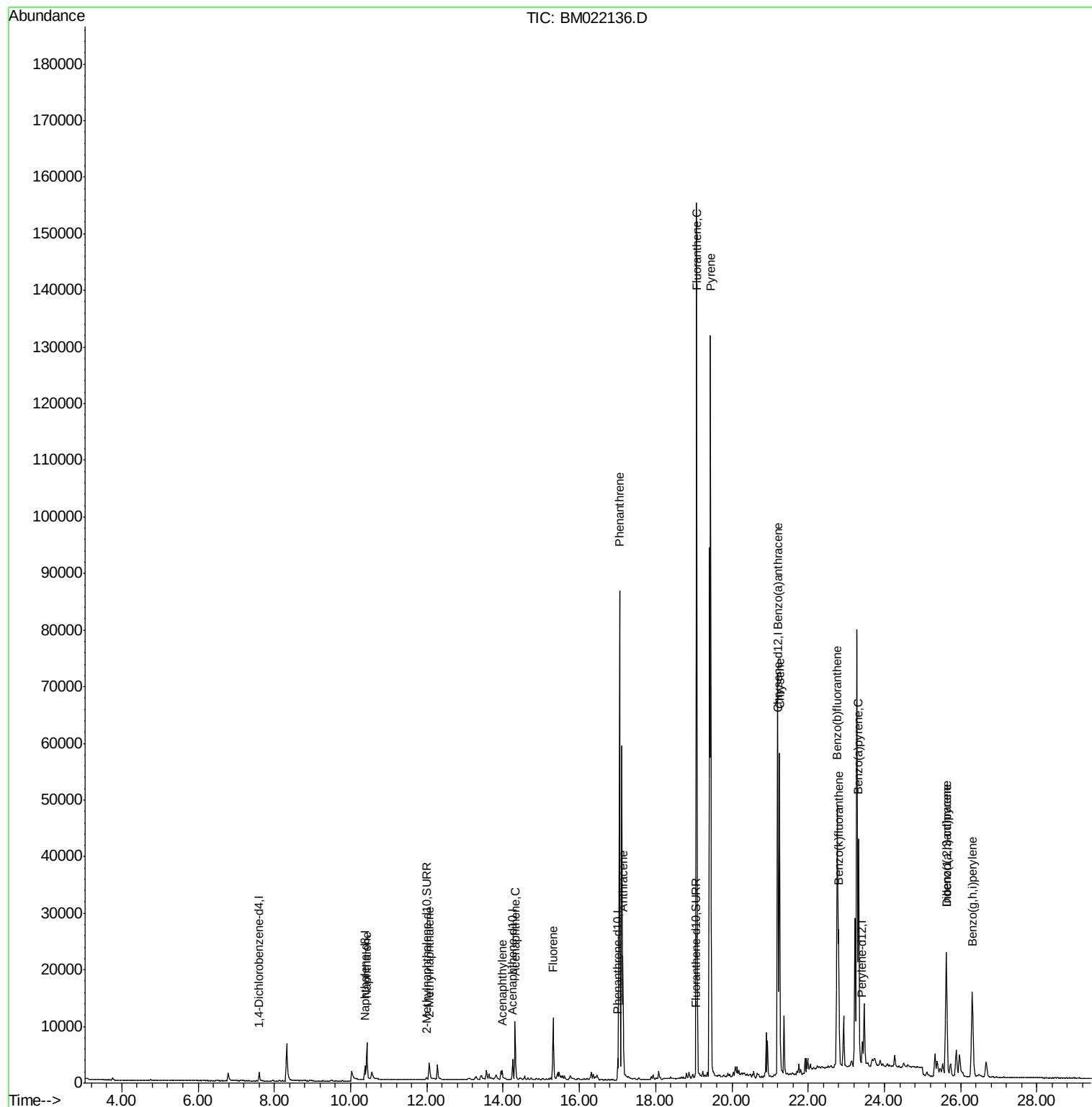
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022136.D
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ALS Vial : 39 Sample Multiplier: 1

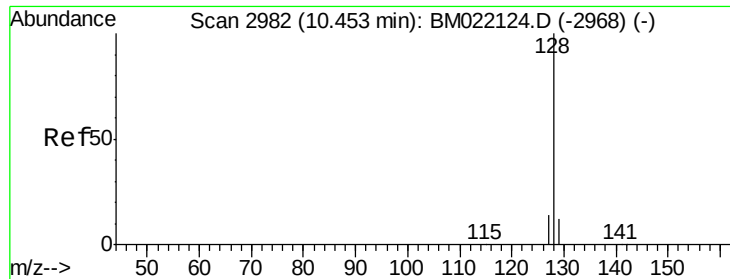
Instrument :
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CB5P4DL

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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





#3

Naphthalene

Concen: 0.940 ng/ul

RT: 10.43 min Scan# 2976

Delta R.T. -0.03 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

Instrument :

BNA_M

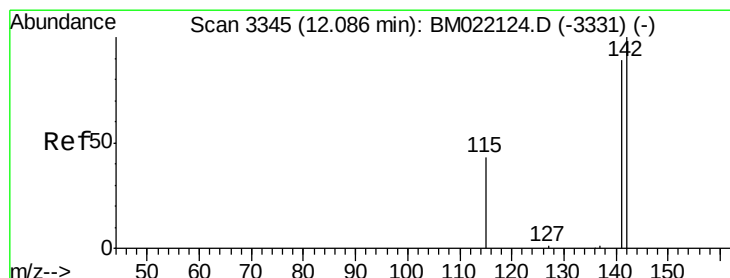
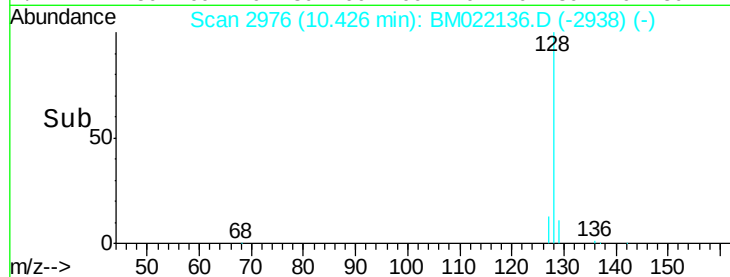
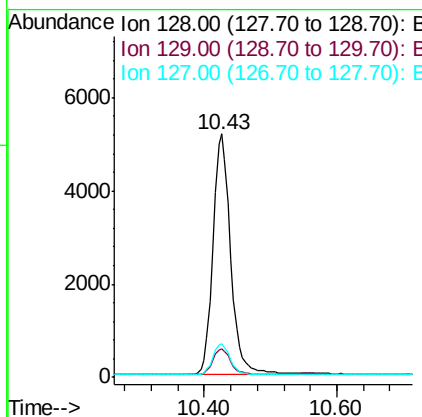
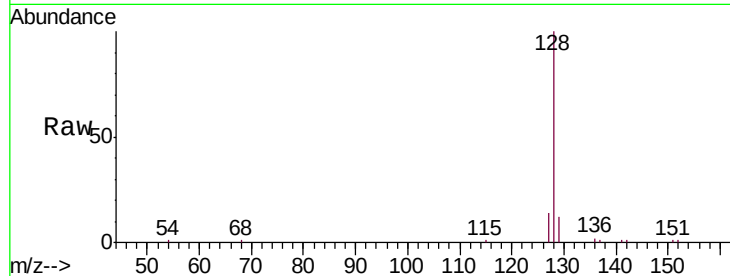
ClientSampleId :

CB5P4DL

Tgt Ion:	128	Resp:	9609
Ion Ratio	Lower	Upper	
128	100		
129	12.0	12.3	18.5#
127	13.9	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.427 ng/ul

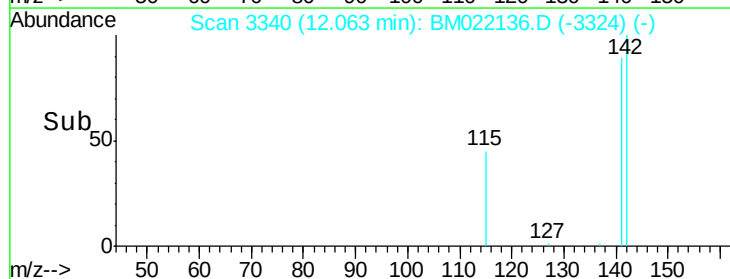
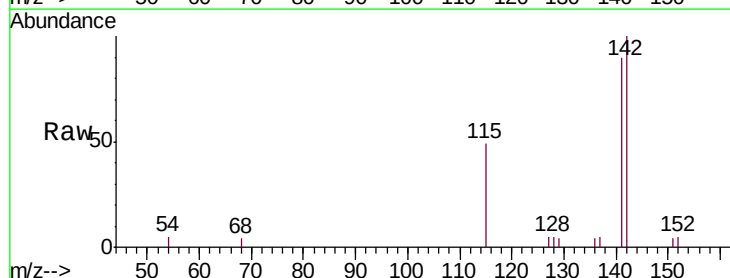
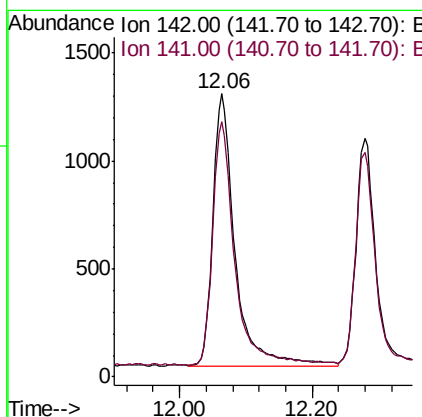
RT: 12.06 min Scan# 3340

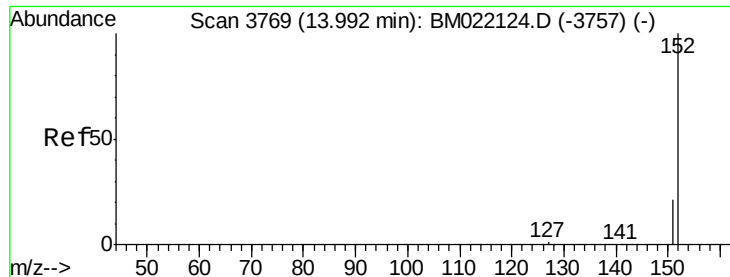
Delta R.T. -0.03 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

Tgt Ion:	142	Resp:	2909
Ion Ratio	Lower	Upper	
142	100		
141	89.6	74.3	111.5





#7

Acenaphthylene

Concen: 0.177 ng/ul

RT: 13.97 min Scan# 3765

Delta R.T. -0.02 min

Lab File: BM022136.D

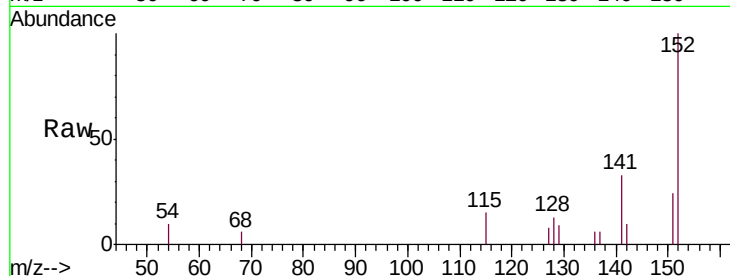
Acq: 15 Aug 2019 09:28

Instrument :

BNA_M

ClientSampleId :

CB5P4DL



Tgt Ion:152 Resp: 1628

Ion Ratio Lower Upper

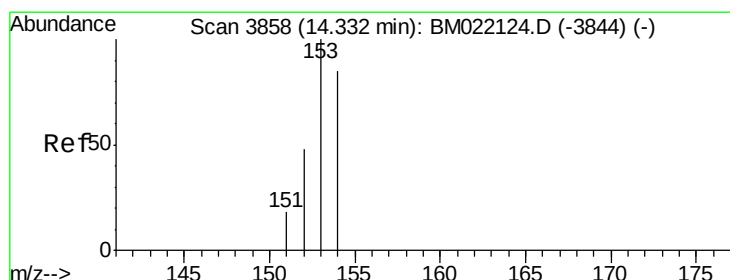
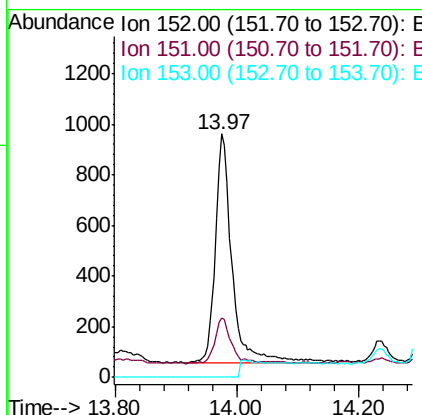
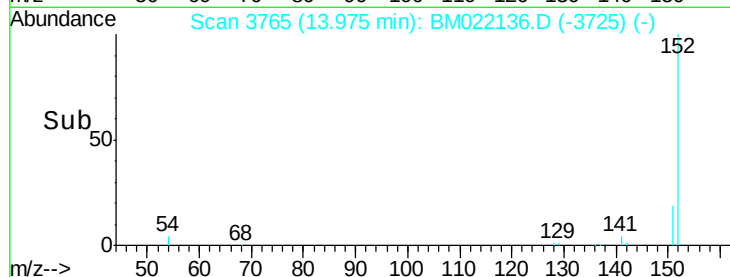
152 100

151 24.3 18.3 27.5

153 0.0 12.8 19.2#

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#8

Acenaphthene

Concen: 0.858 ng/ul

RT: 14.31 min Scan# 3853

Delta R.T. -0.02 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

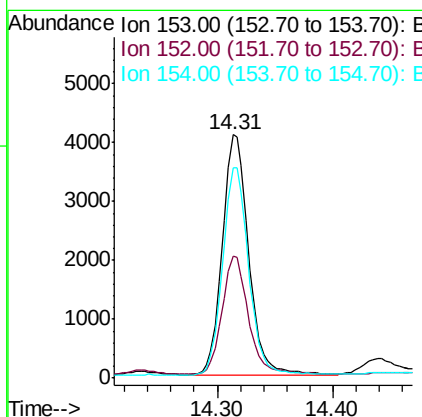
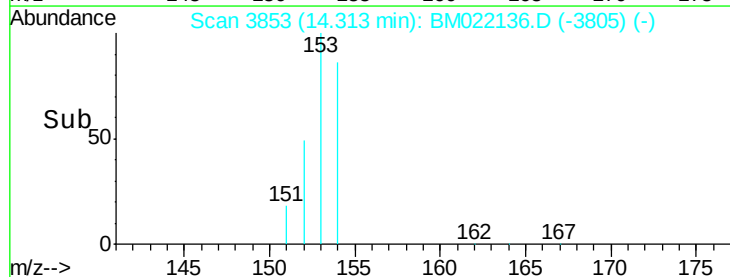
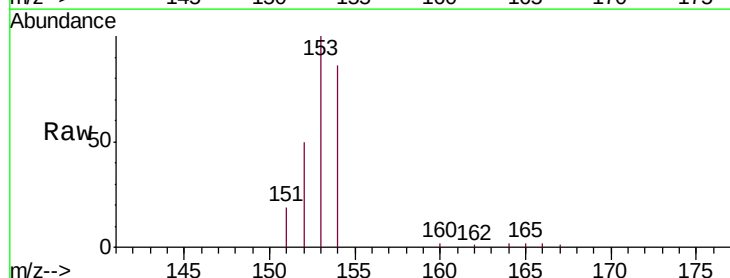
Tgt Ion:153 Resp: 6456

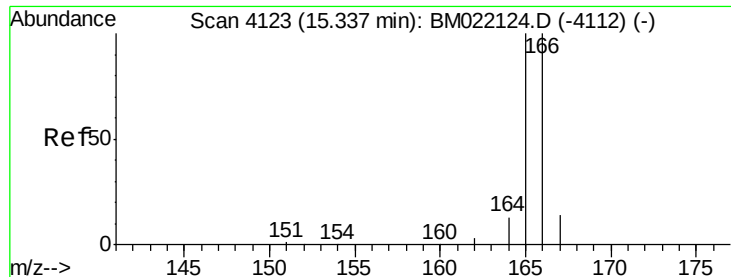
Ion Ratio Lower Upper

153 100

152 50.0 41.3 61.9

154 86.3 72.3 108.5





#9

Fluorene

Concen: 0.894 ng/ul

RT: 15.31 min Scan# 4116

Delta R.T. -0.03 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

Instrument :

BNA_M

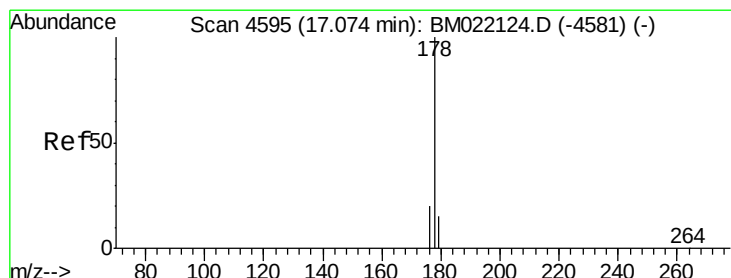
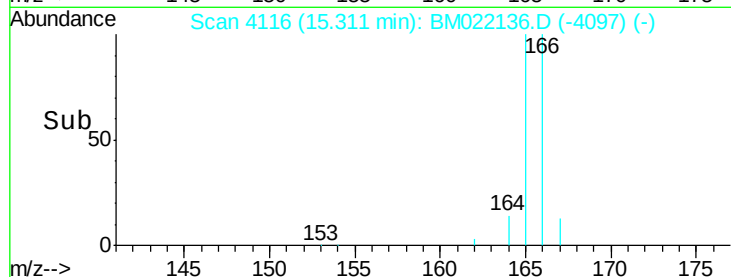
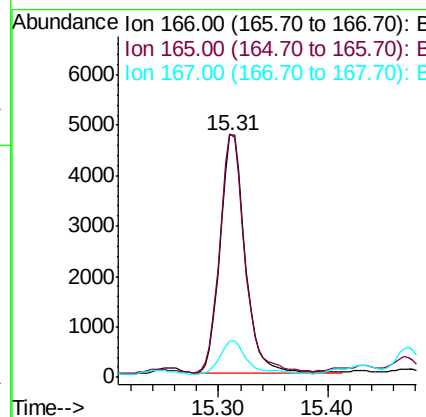
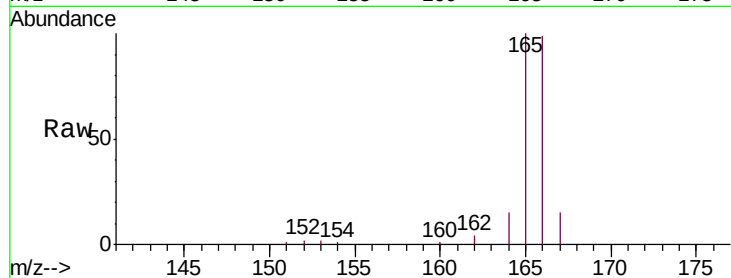
ClientSampleId :

CB5P4DL

Tgt Ion:	166	Resp:	7467
Ion Ratio	Lower	Upper	
166	100		
165	100.7	81.4	122.0
167	15.2	13.7	20.5

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#12

Phenanthrene

Concen: 7.221 ng/ul

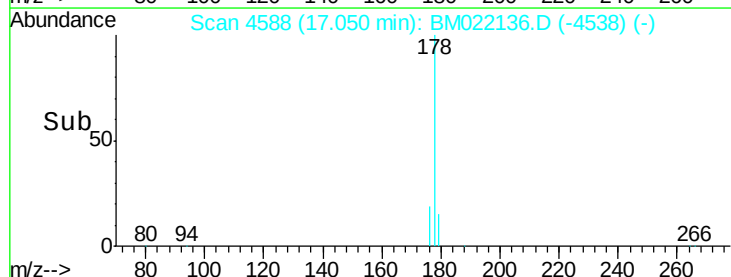
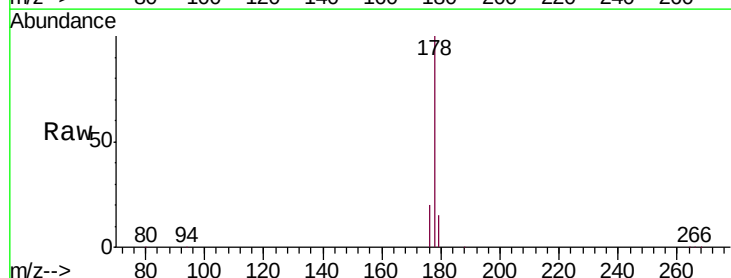
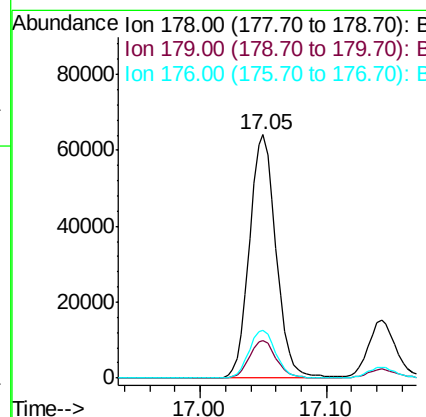
RT: 17.05 min Scan# 4588

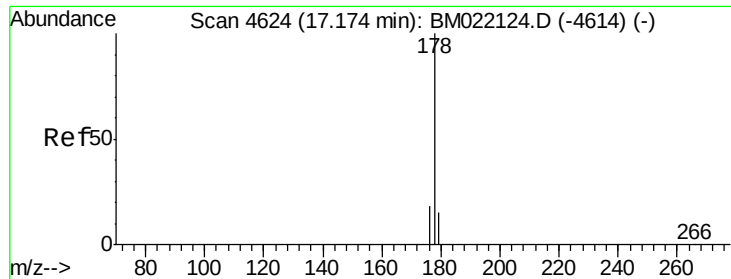
Delta R.T. -0.03 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

Tgt Ion:	178	Resp:	92992
Ion Ratio	Lower	Upper	
178	100		
179	15.5	14.2	21.2
176	19.5	16.8	25.2





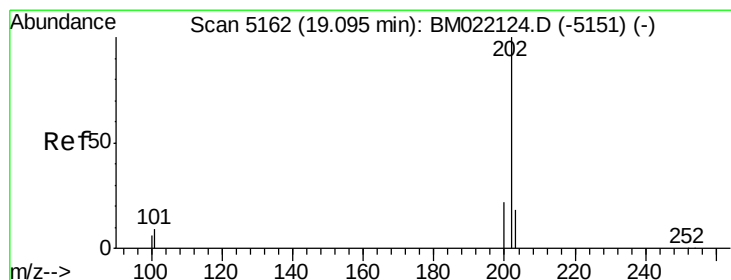
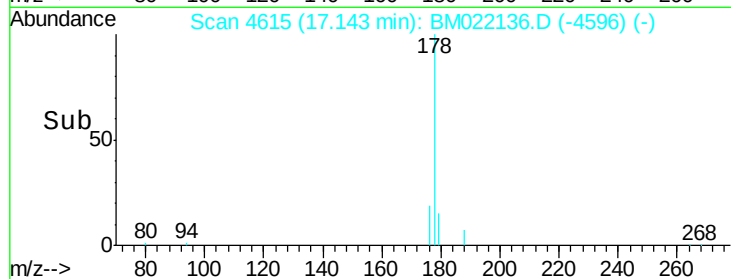
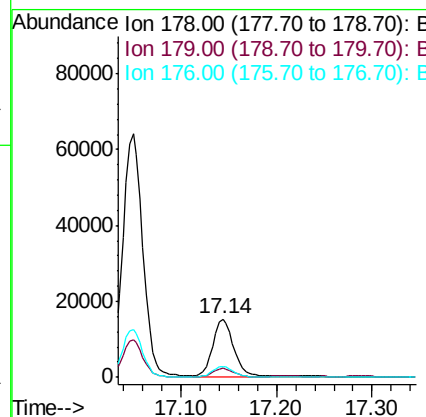
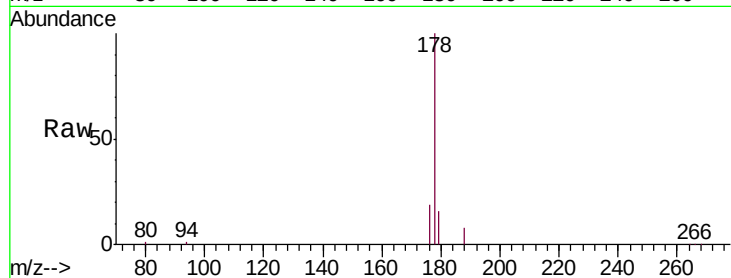
#13
 Anthracene
 Concen: 2.093 ng/ul
 RT: 17.14 min Scan# 4615
 Delta R.T. -0.03 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Instrument :
 BNA_M
 ClientSampleId :
 CB5P4DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	15.5	23.3
176	19.2	16.6	25.0

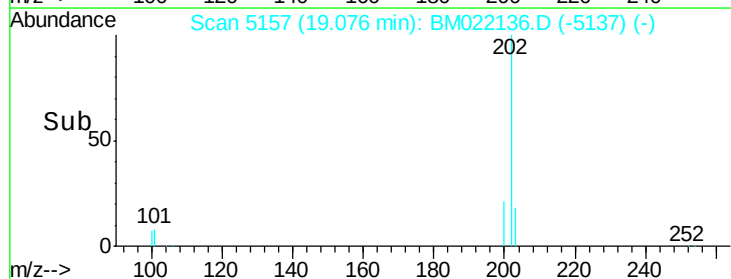
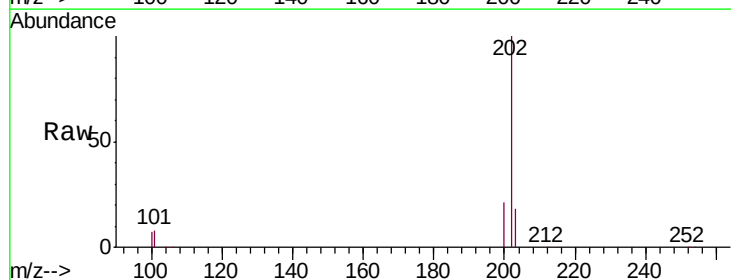
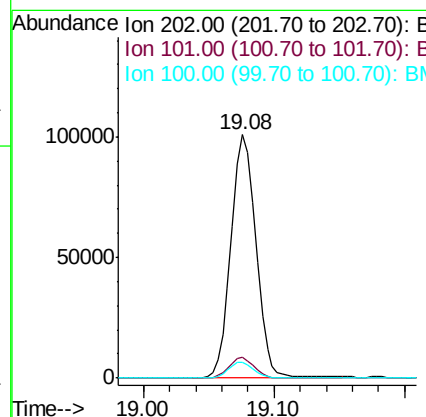
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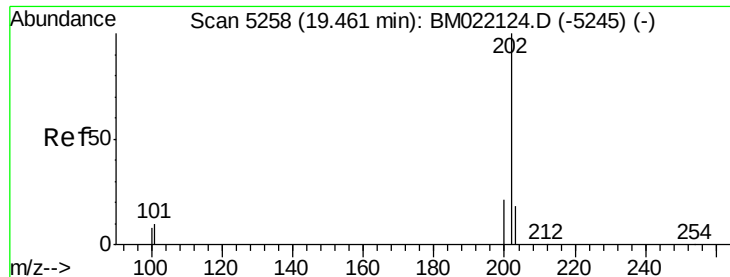
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#15
 Fluoranthene
 Concen: 7.751 ng/ul
 RT: 19.08 min Scan# 5157
 Delta R.T. -0.02 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	30.2
100	6.6	0.0	28.1





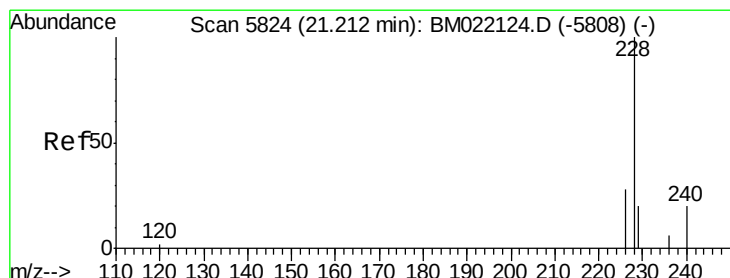
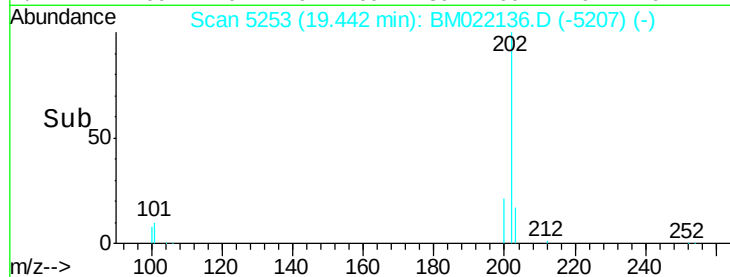
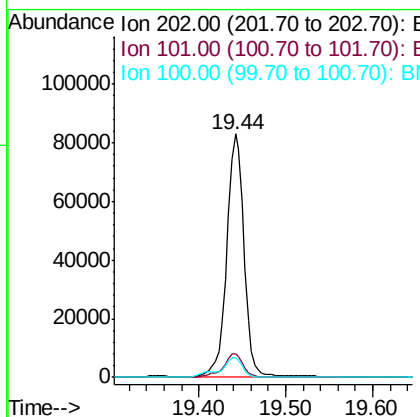
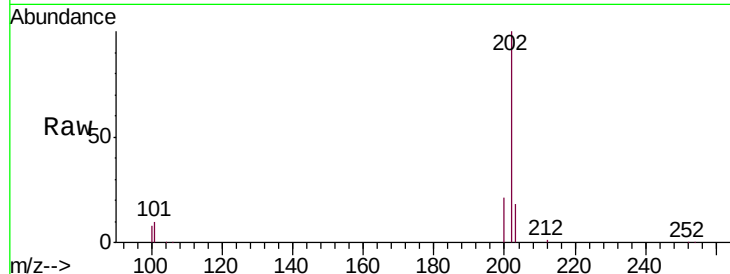
#17
Pyrene
 Concen: 6.211 ng/ul
 RT: 19.44 min Scan# 5253
 Delta R.T. -0.02 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Instrument :
 BNA_M
 ClientSampled :
 CB5P4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.8	8.3	12.5
100	8.2	7.2	10.8

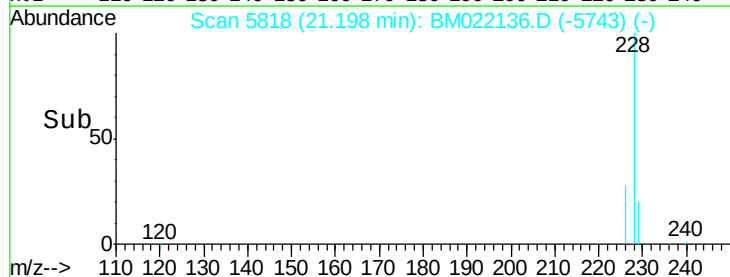
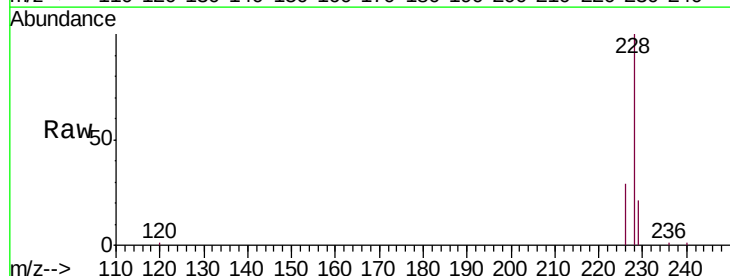
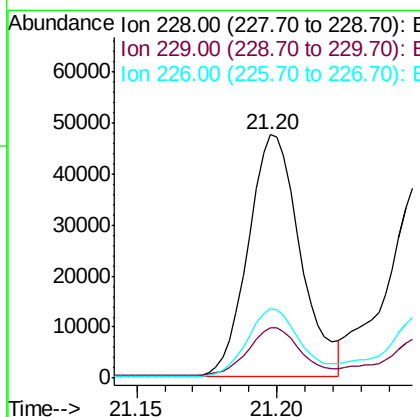
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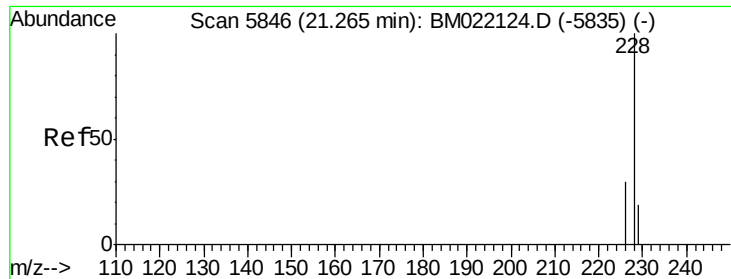
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#18
Benzo(a)anthracene
 Concen: 3.811 ng/ul
 RT: 21.20 min Scan# 5818
 Delta R.T. -0.02 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	17.2	25.8
226	28.7	22.6	34.0





#19

Chrysene

Concen: 2.755 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.02 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

Instrument :

BNA_M

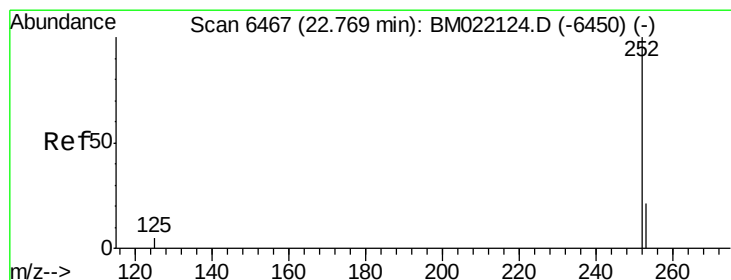
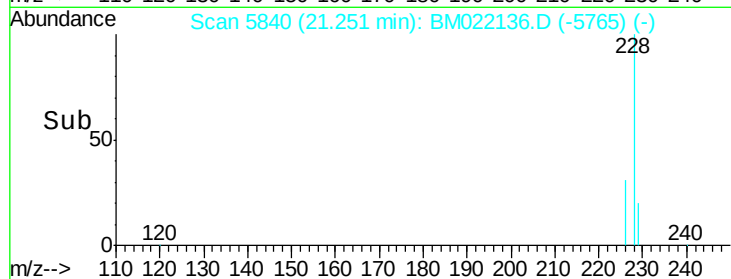
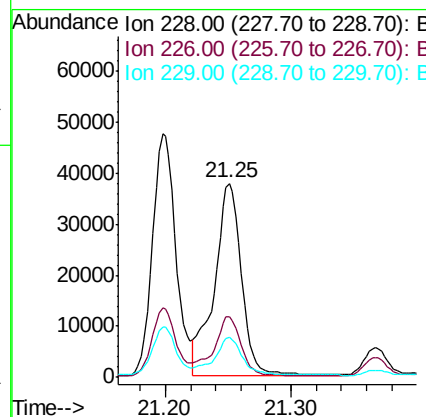
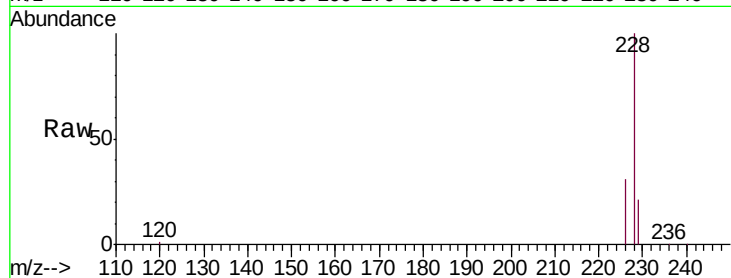
ClientSampleId :

CB5P4DL

Tgt Ion:	228	Resp:	57031
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	20.6	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 4.799 ng/ul m

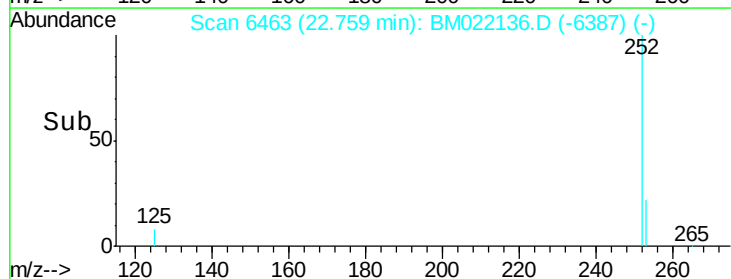
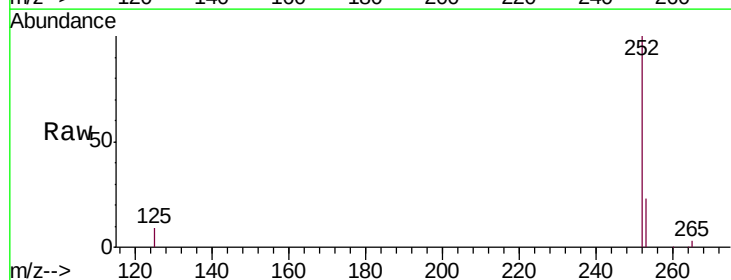
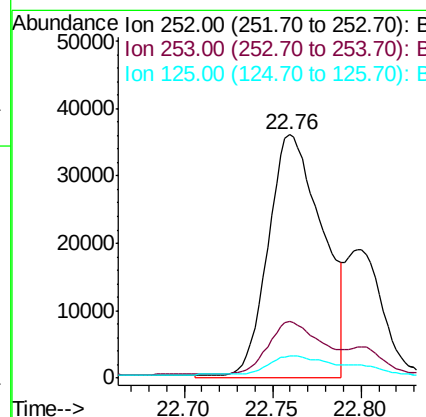
RT: 22.76 min Scan# 6463

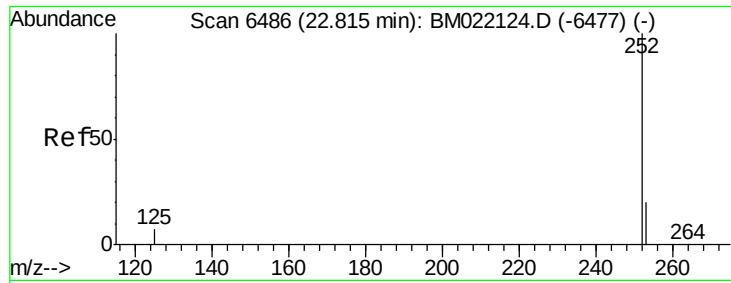
Delta R.T. -0.02 min

Lab File: BM022136.D

Acq: 15 Aug 2019 09:28

Tgt Ion:	252	Resp:	77137
Ion Ratio	Lower	Upper	
252	100		
253	23.2	0.0	67.4
125	9.0	0.0	31.0





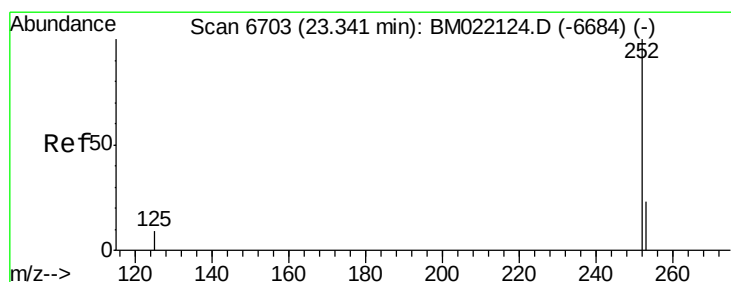
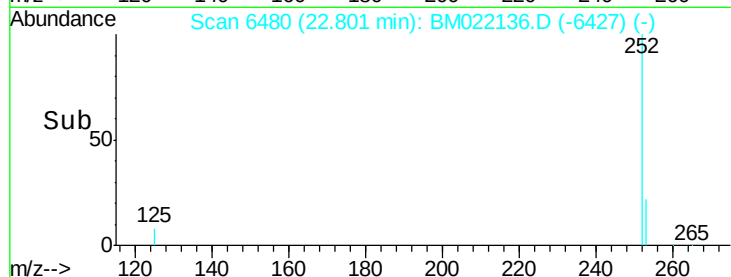
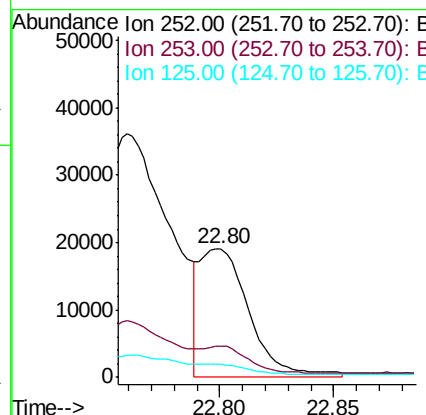
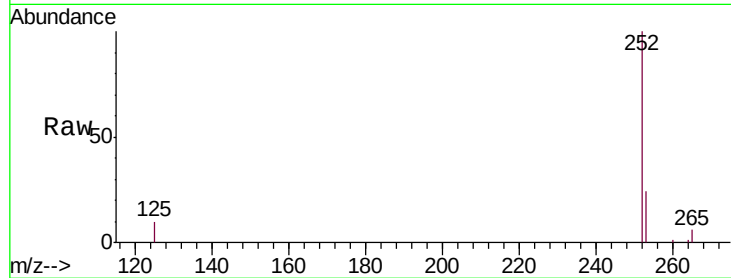
#22
Benzo(k)fluoranthene
Concen: 1.597 ng/ul m
RT: 22.80 min Scan# 6480
Delta R.T. -0.02 min
Lab File: BM022136.D
Acq: 15 Aug 2019 09:28

Instrument :
BNA_M
ClientSampleId :
CB5P4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	27.0	40.4#
125	9.9	12.2	18.2#

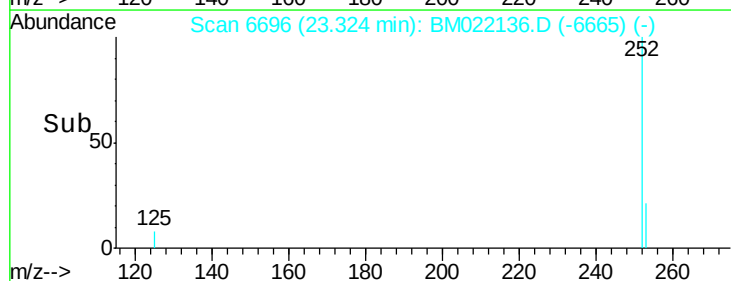
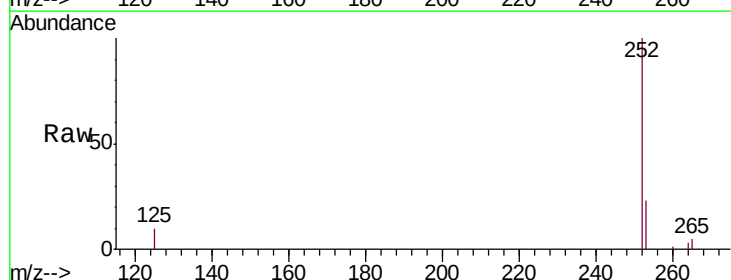
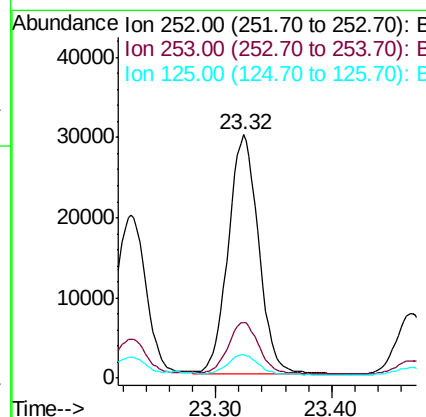
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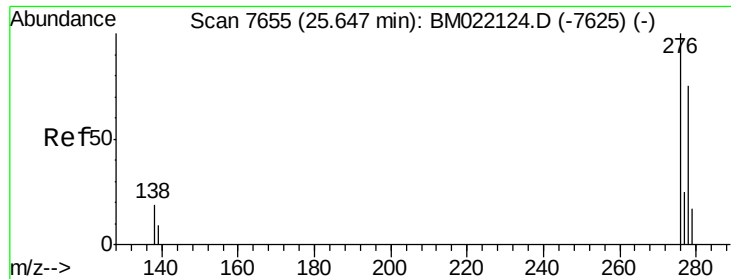
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#23
Benzo(a)pyrene
Concen: 3.298 ng/ul
RT: 23.32 min Scan# 6696
Delta R.T. -0.02 min
Lab File: BM022136.D
Acq: 15 Aug 2019 09:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	31.7	47.5#
125	9.7	14.6	21.8#





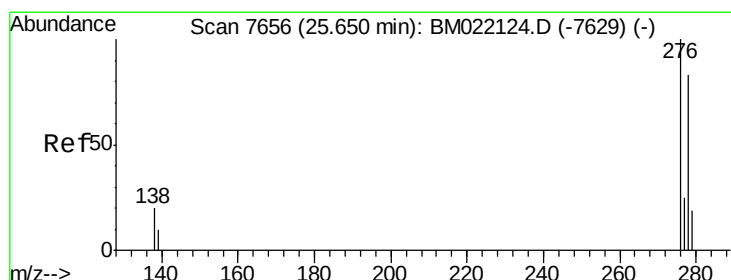
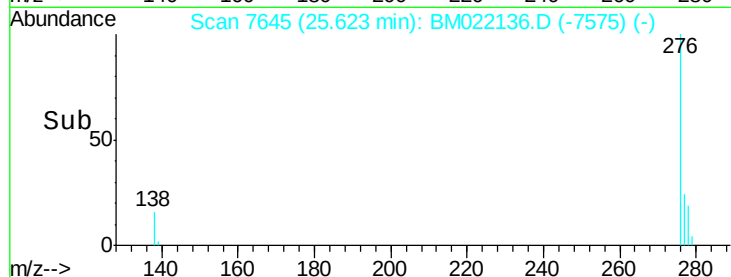
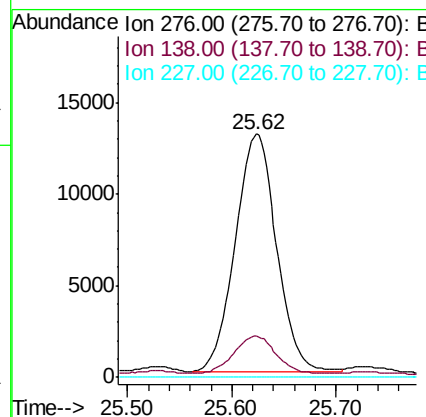
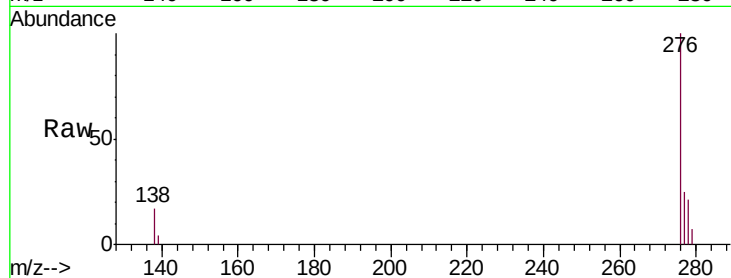
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.840 ng/ul
 RT: 25.62 min Scan# 7645
 Delta R.T. -0.03 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Instrument :
 BNA_M
 ClientSampleId :
 CB5P4DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.1	22.7
227	0.0	0.0	0.0

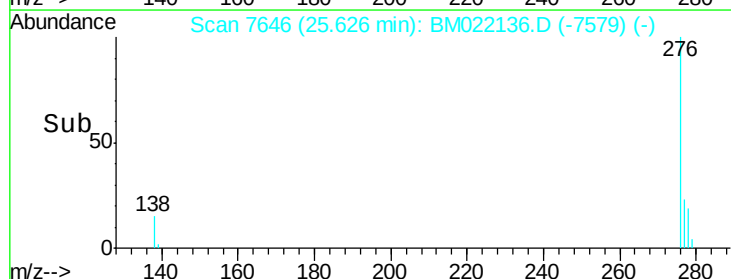
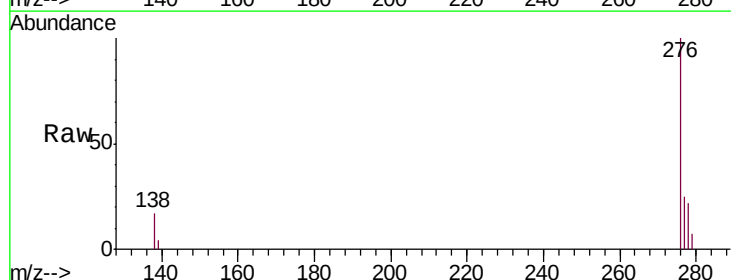
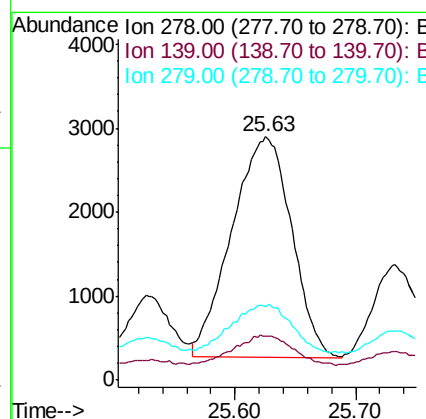
Manual Integrations
 APPROVED

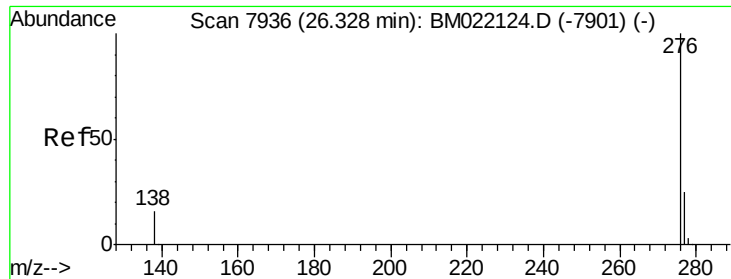
mohammad
 8/15/2019 5:10:31 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.573 ng/ul
 RT: 25.63 min Scan# 7646
 Delta R.T. -0.04 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.2	21.2
279	30.4	28.3	42.5





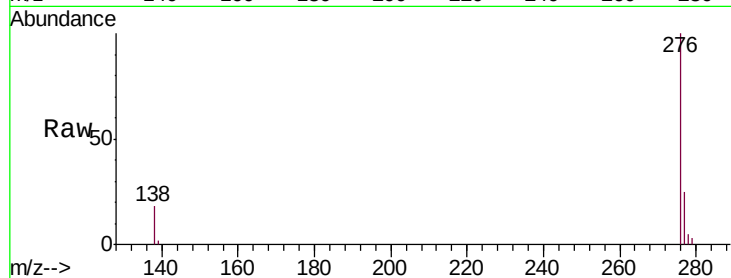
#26
 Benzo(g,h,i)perylene
 Concen: 1.825 ng/ul
 RT: 26.30 min Scan# 7924
 Delta R.T. -0.04 min
 Lab File: BM022136.D
 Acq: 15 Aug 2019 09:28

Instrument :
 BNA_M
 ClientSampleId :
 CB5P4DL

Tgt	Ion	276	Resp:	32076
Ion	Ratio	Lower	Upper	
276	100			
138	17.6	15.5	23.3	
277	25.0	21.4	32.2	

Manual Integrations
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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

