

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022125.D
 Acq On : 15 Aug 2019 02:46
 Operator : HP/JU
 Sample : K4304-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N9

Manual Integrations
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 8/15/2019 5:09:57 PM

Quant Time: Aug 15 12:29:10 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	851	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3585	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1900	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4042m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4130m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	3920m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2379	0.40	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	5350m	0.39	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.42	128	19915	1.967	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	7175	1.063	ng/ul	96
7) Acenaphthylene	13.97	152	10190	1.150	ng/ul#	82
8) Acenaphthene	14.31	153	14162	1.953	ng/ul	96
9) Fluorene	15.31	166	15125	1.878	ng/ul	99
12) Phenanthrene	17.05	178	232546m	19.773	ng/ul	
13) Anthracene	17.14	178	49996m	4.984	ng/ul	
15) Fluoranthene	19.08	202	394861m	25.063	ng/ul	
17) Pyrene	19.44	202	329725	19.428	ng/ul	97
18) Benzo(a)anthracene	21.20	228	196498m	13.301	ng/ul	
19) Chrysene	21.25	228	180822	9.518	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	241601m	18.277	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	101862m	6.809	ng/ul	
23) Benzo(a)pyrene	23.32	252	171719	12.774	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.62	276	119856	7.467	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.62	278	34495m	2.659	ng/ul	
26) Benzo(g,h,i)perylene	26.29	276	99928	6.915	ng/ul	95

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

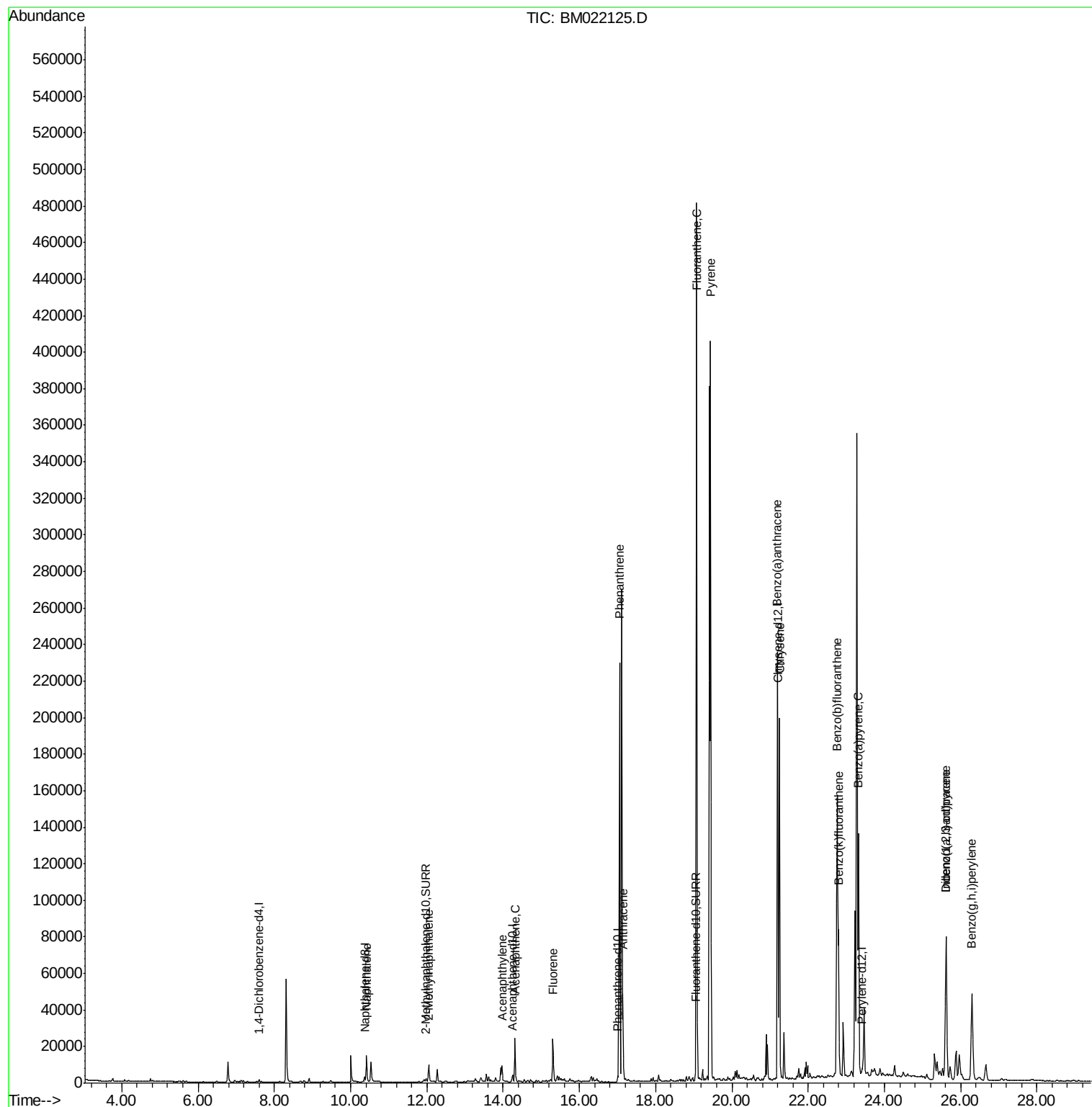
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022125.D
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Sample : K4304-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

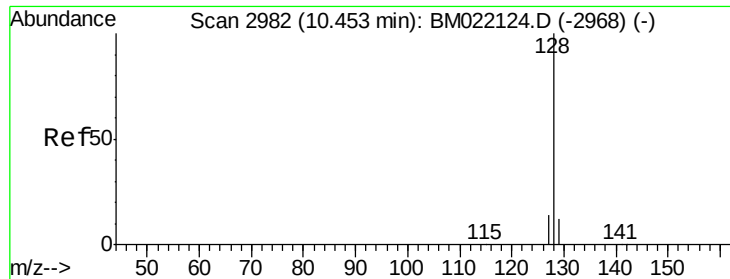
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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QLast Update : Wed Aug 14 13:53:23 2019
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#3

Naphthalene

Concen: 1.967 ng/ul

RT: 10.42 min Scan# 2974

Delta R.T. -0.04 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Instrument :

BNA_M

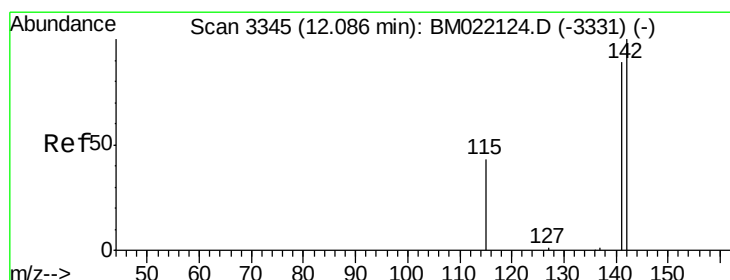
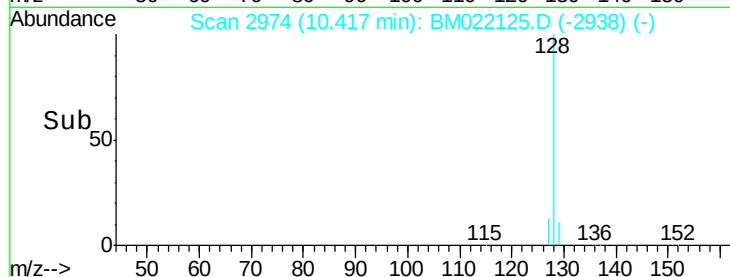
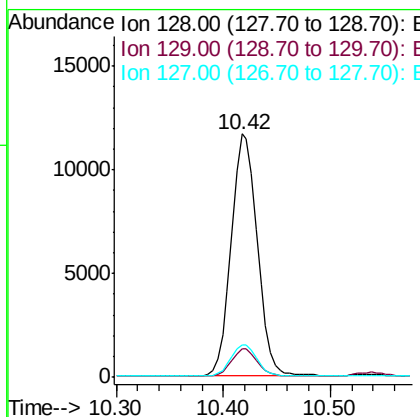
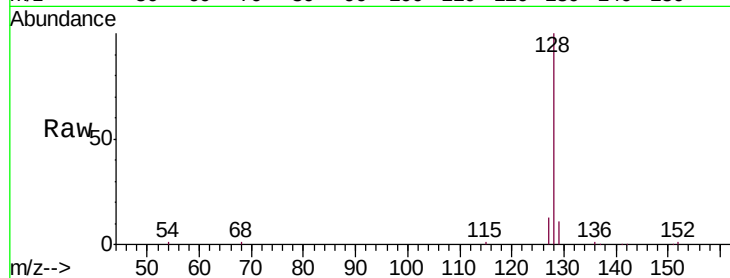
ClientSampleId :

CB5N9

Tgt Ion:	128	Resp:	19915
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: 1.063 ng/ul

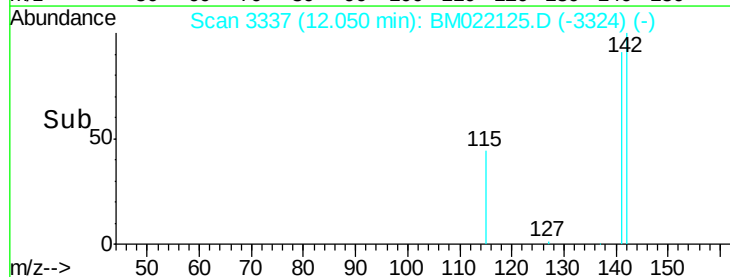
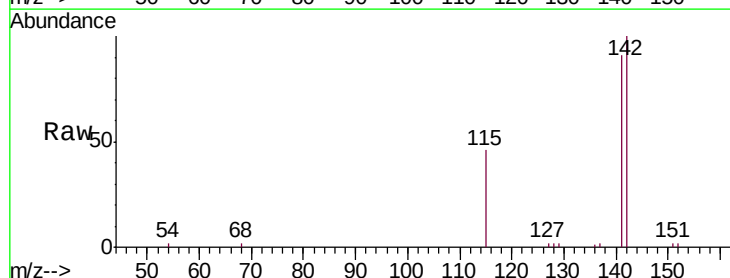
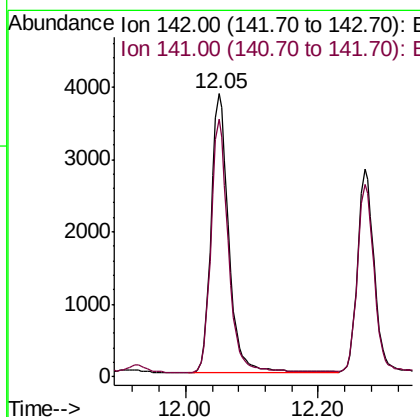
RT: 12.05 min Scan# 3337

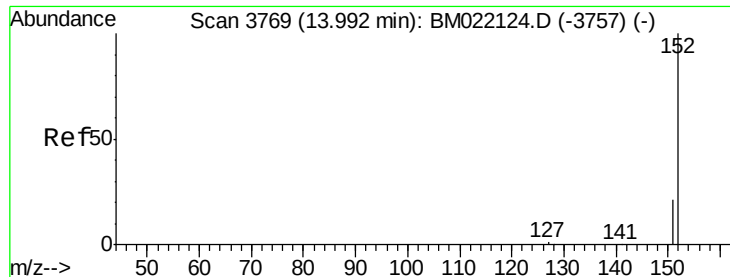
Delta R.T. -0.04 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Tgt Ion:	142	Resp:	7175
Ion Ratio	Lower	Upper	
142	100		
141	89.4	74.3	111.5





#7

Acenaphthylene

Concen: 1.150 ng/ul

RT: 13.97 min Scan# 3765

Delta R.T. -0.02 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Instrument :

BNA_M

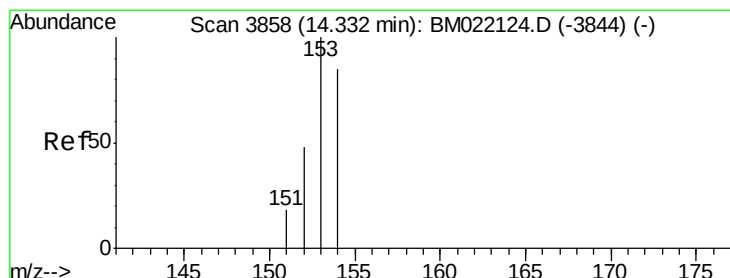
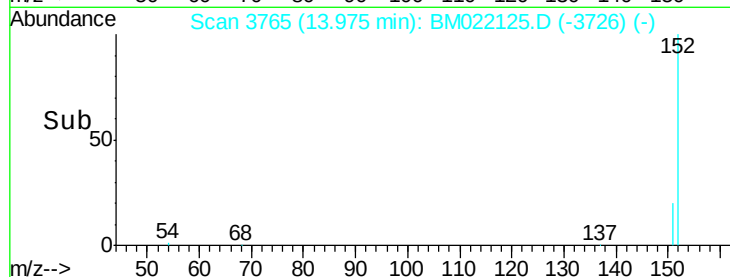
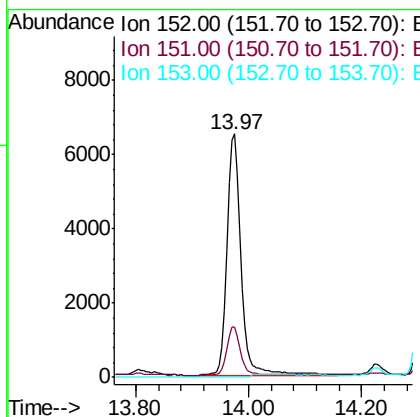
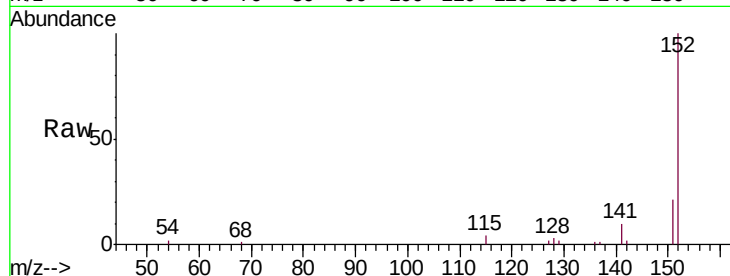
ClientSampleId :

CB5N9

Tgt Ion:	152	Resp:	10190
Ion Ratio	Lower	Upper	
152	100		
151	20.7	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 1.953 ng/ul

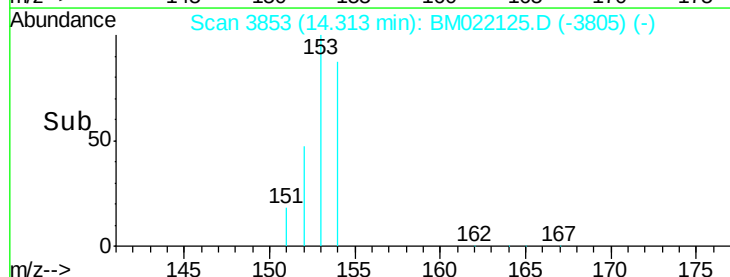
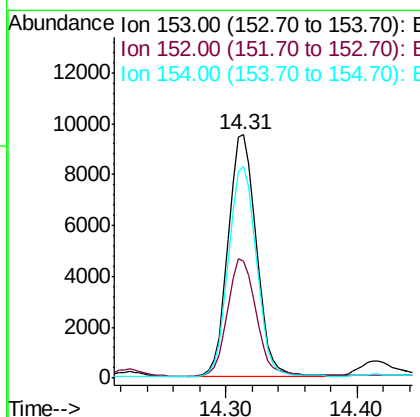
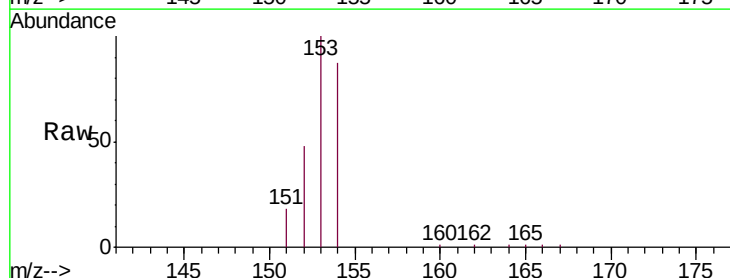
RT: 14.31 min Scan# 3853

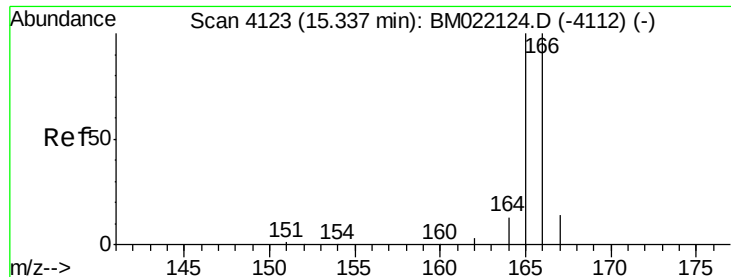
Delta R.T. -0.02 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Tgt Ion:	153	Resp:	14162
Ion Ratio	Lower	Upper	
153	100		
152	48.0	41.3	61.9
154	86.7	72.3	108.5





#9

Fluorene

Concen: 1.878 ng/ul

RT: 15.31 min Scan# 4115

Delta R.T. -0.03 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Instrument :

BNA_M

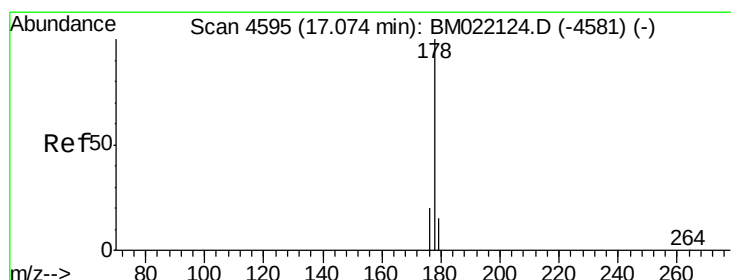
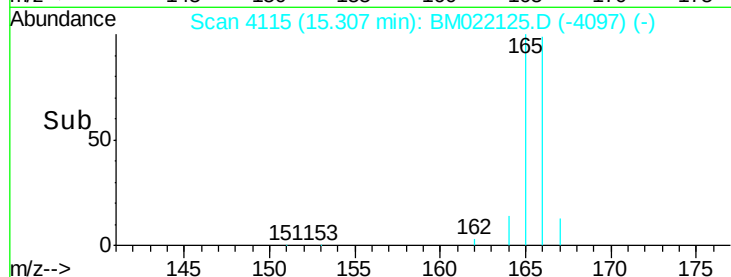
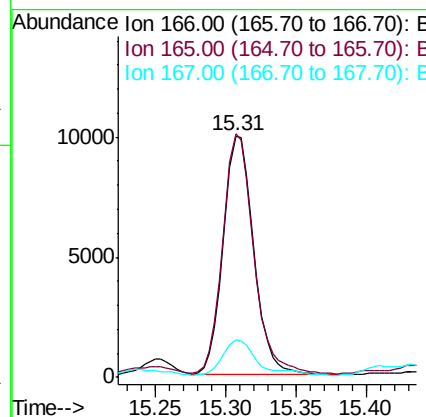
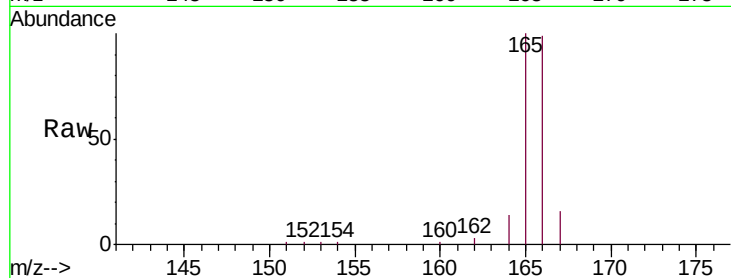
ClientSampled :

CB5N9

Tgt Ion:	166	Resp:	15125
Ion Ratio	Lower	Upper	
166	100		
165	101.0	81.4	122.0
167	15.7	13.7	20.5

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#12

Phenanthrene

Concen: 19.773 ng/ul m

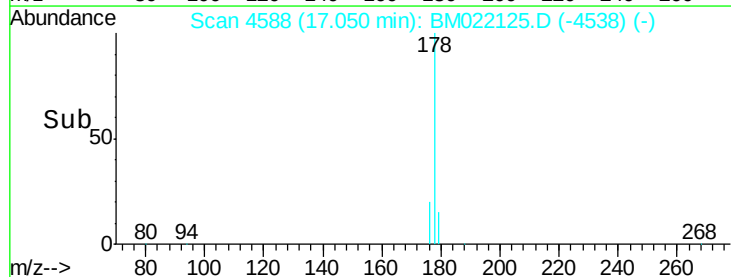
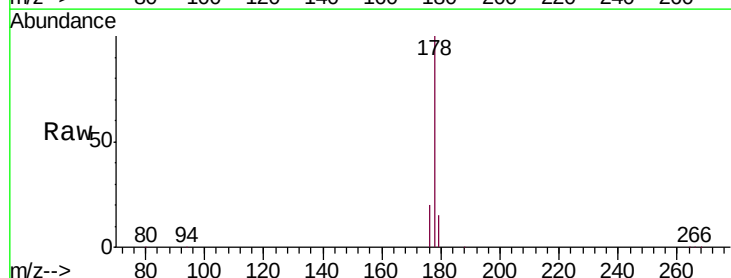
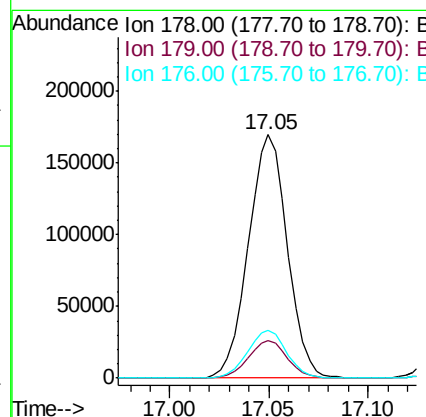
RT: 17.05 min Scan# 4588

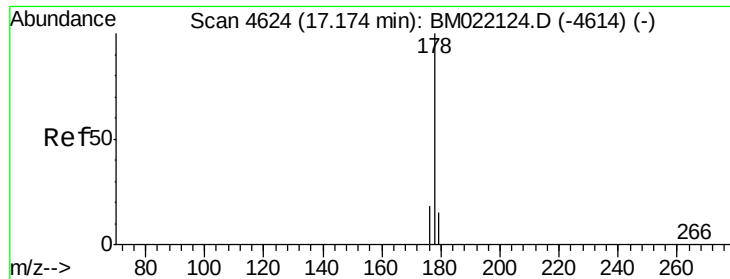
Delta R.T. -0.03 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Tgt Ion:	178	Resp:	232546
Ion Ratio	Lower	Upper	
178	100		
179	15.5	14.2	21.2
176	19.8	16.8	25.2





#13

Anthracene

Concen: 4.984 ng/ul m

RT: 17.14 min Scan# 4615

Delta R.T. -0.03 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Instrument :

BNA_M

ClientSampleId :

CB5N9

Tgt Ion:178 Resp: 49996

Ion Ratio Lower Upper

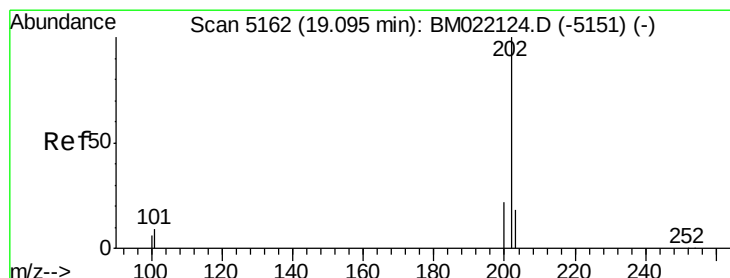
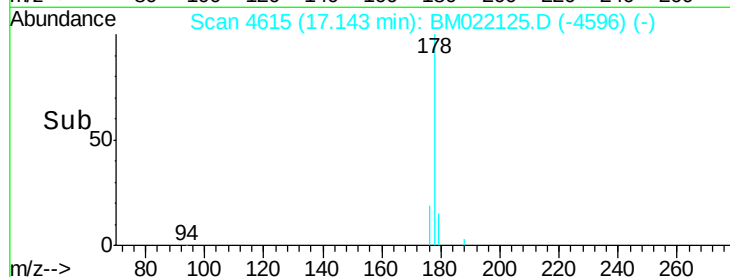
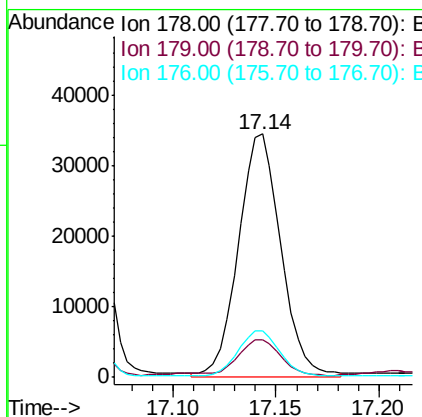
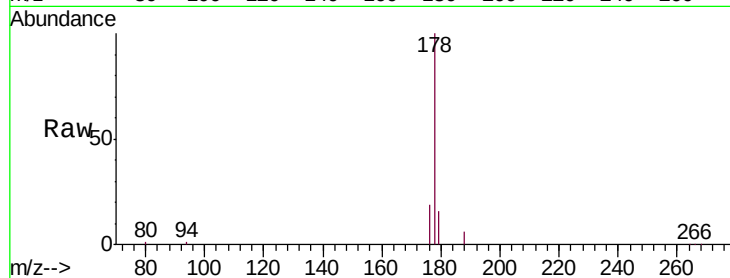
178 100

179 15.5 15.5 23.3#

176 19.1 16.6 25.0

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#15

Fluoranthene

Concen: 25.063 ng/ul m

RT: 19.08 min Scan# 5157

Delta R.T. -0.02 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

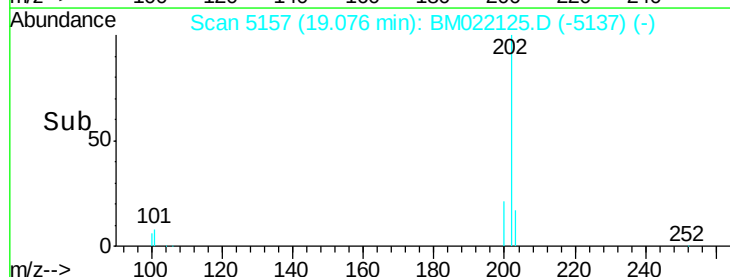
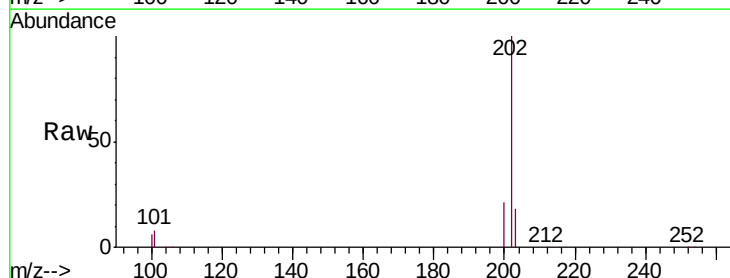
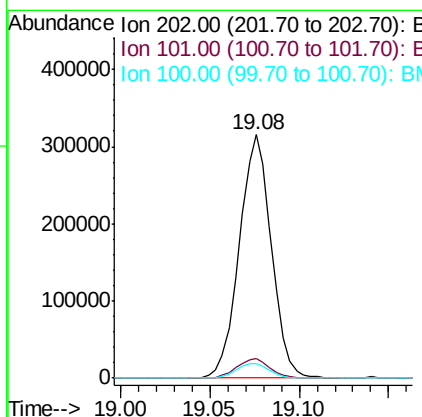
Tgt Ion:202 Resp: 394861

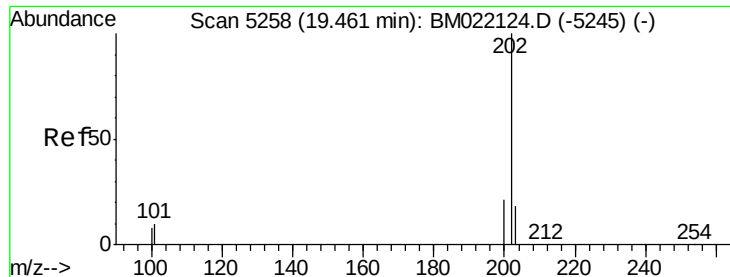
Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.2

100 6.1 0.0 28.1





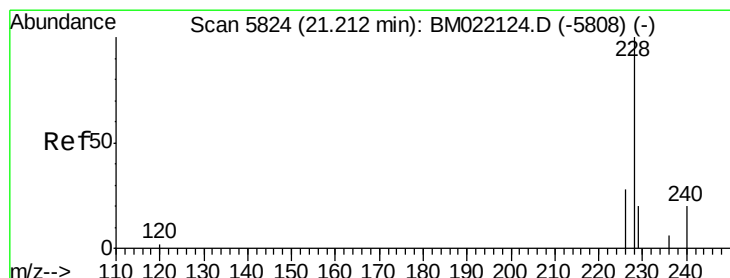
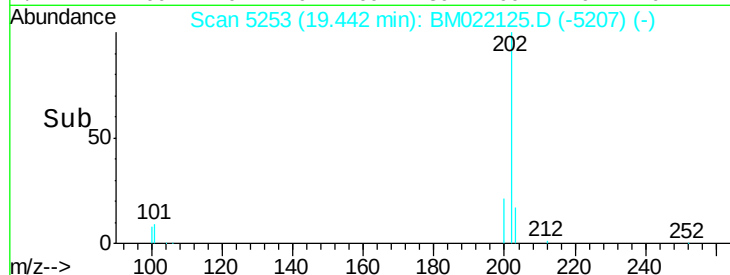
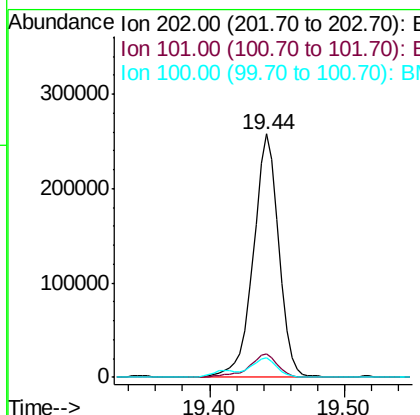
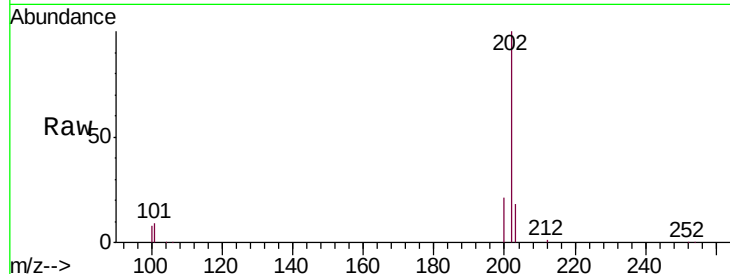
#17
Pyrene
 Concen: 19.428 ng/ul
 RT: 19.44 min Scan# 5253
 Delta R.T. -0.02 min
 Lab File: BM022125.D
 Acq: 15 Aug 2019 02:46

Instrument :
 BNA_M
 ClientSampleId :
 CB5N9

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.4	8.3	12.5
100	7.8	7.2	10.8

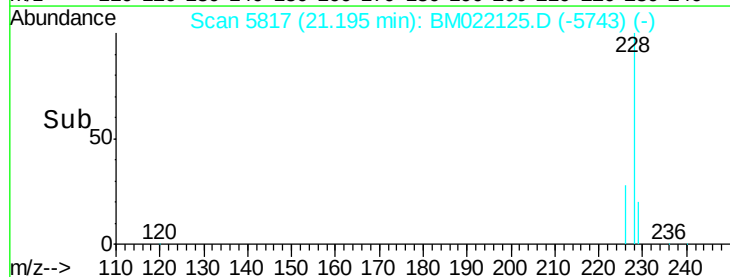
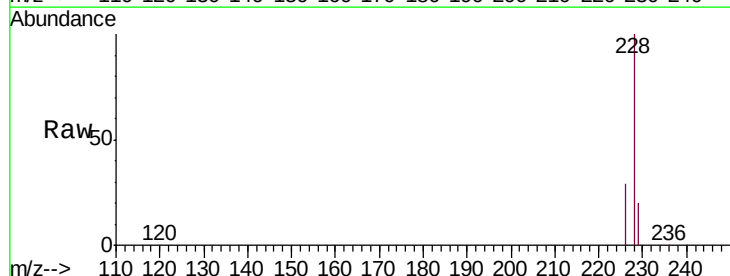
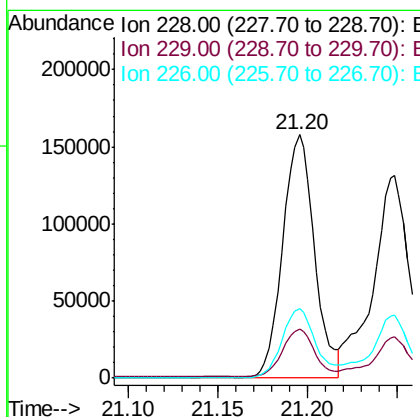
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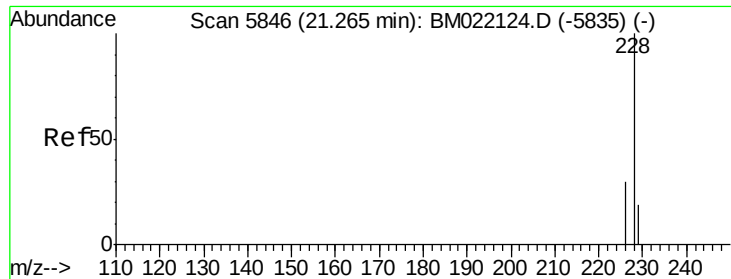
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#18
Benzo(a)anthracene
 Concen: 13.301 ng/ul m
 RT: 21.20 min Scan# 5817
 Delta R.T. -0.02 min
 Lab File: BM022125.D
 Acq: 15 Aug 2019 02:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.2	17.2	25.8
226	28.7	22.6	34.0





#19

Chrysene

Concen: 9.518 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.02 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Instrument :

BNA_M

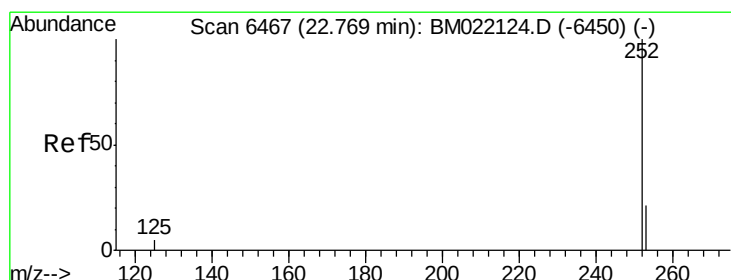
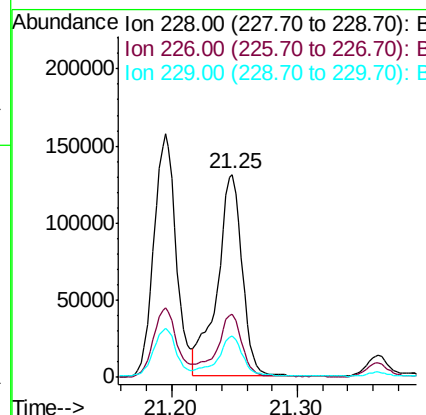
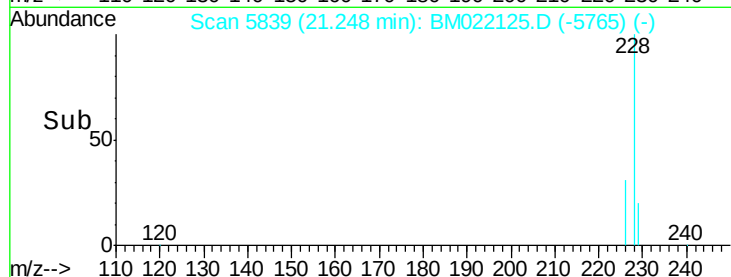
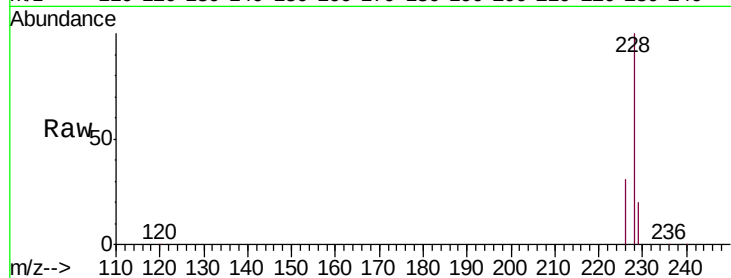
ClientSampleId :

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Tgt	Ion:228	Resp:	180822
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	20.1	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 18.277 ng/ul m

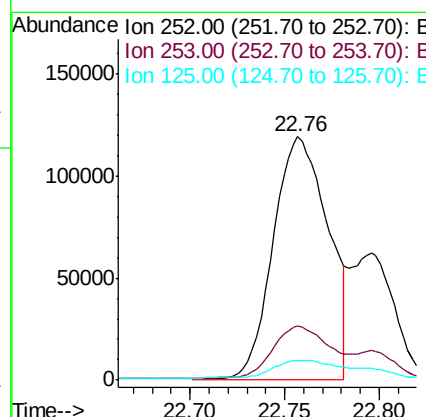
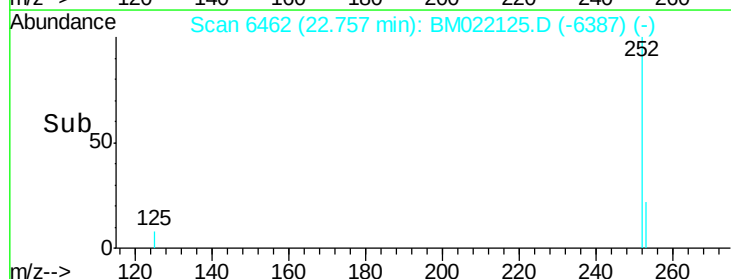
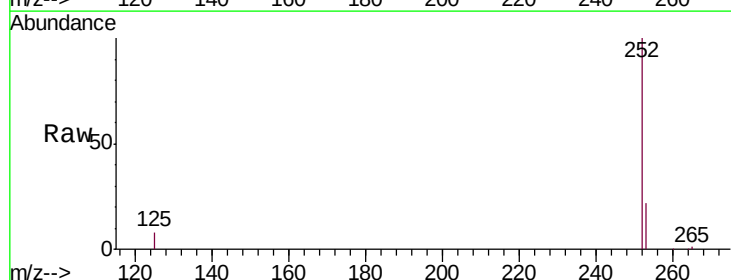
RT: 22.76 min Scan# 6462

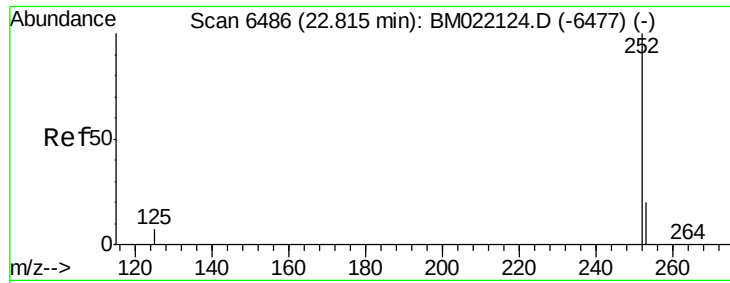
Delta R.T. -0.02 min

Lab File: BM022125.D

Acq: 15 Aug 2019 02:46

Tgt	Ion:252	Resp:	241601
Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	67.4
125	8.3	0.0	31.0





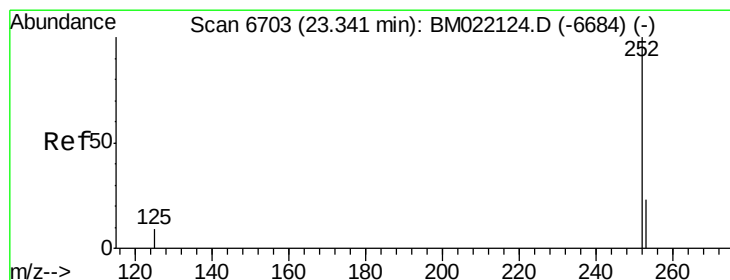
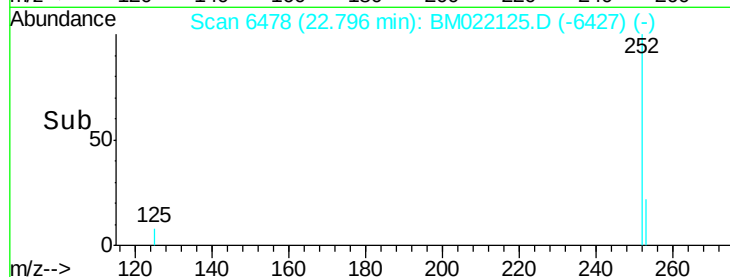
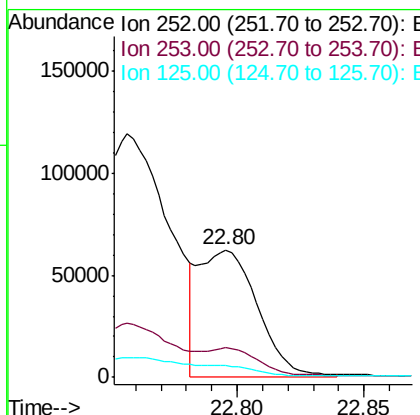
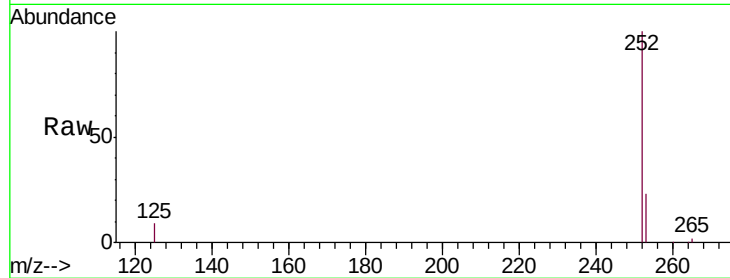
#22
Benzo(k)fluoranthene
Concen: 6.809 ng/ul m
RT: 22.80 min Scan# 6478
Delta R.T. -0.03 min
Lab File: BM022125.D
Acq: 15 Aug 2019 02:46

Instrument :
BNA_M
ClientSampleId :
CB5N9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	27.0	40.4#
125	9.2	12.2	18.2#

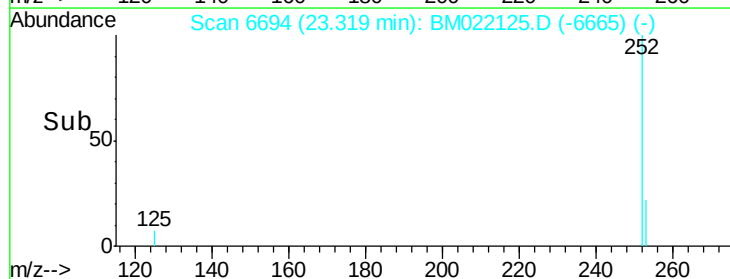
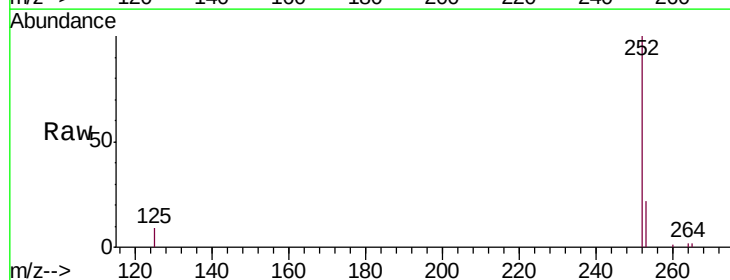
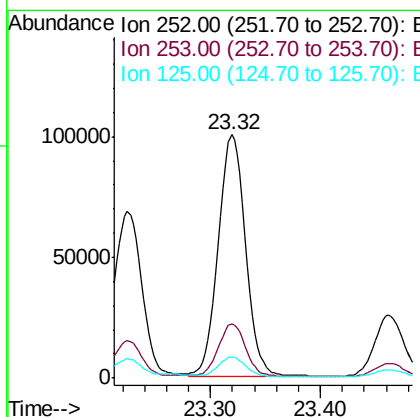
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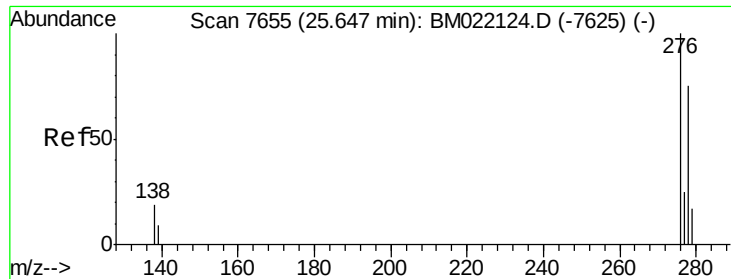
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#23
Benzo(a)pyrene
Concen: 12.774 ng/ul
RT: 23.32 min Scan# 6694
Delta R.T. -0.03 min
Lab File: BM022125.D
Acq: 15 Aug 2019 02:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	31.7	47.5#
125	8.6	14.6	21.8#





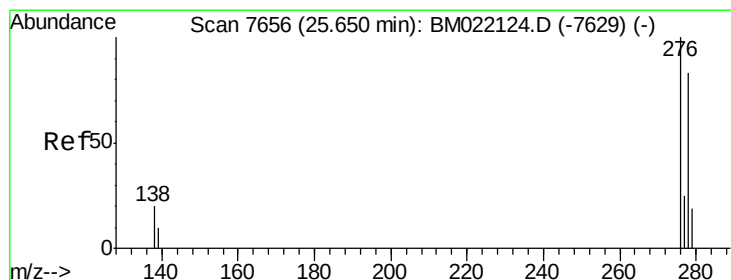
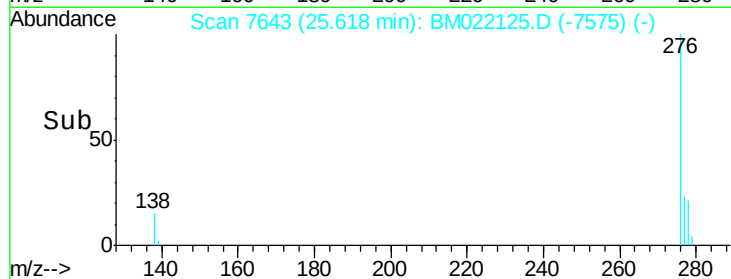
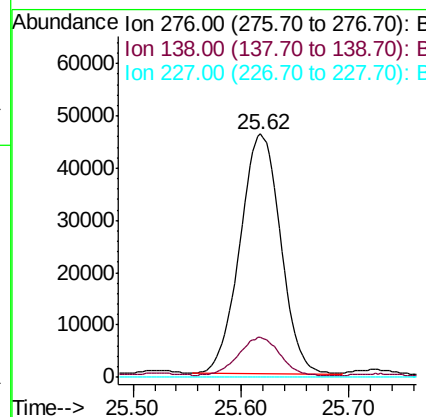
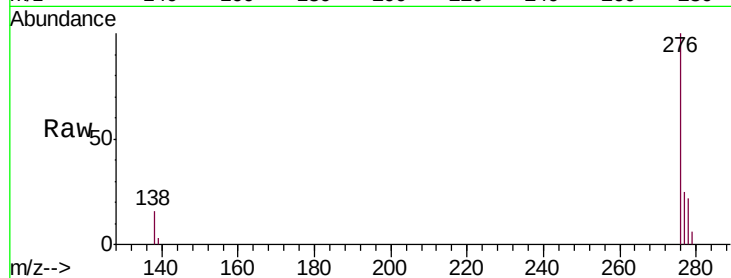
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 7.467 ng/ul
 RT: 25.62 min Scan# 7643
 Delta R.T. -0.04 min
 Lab File: BM022125.D
 Acq: 15 Aug 2019 02:46

Instrument :
 BNA_M
 ClientSampleId :
 CB5N9

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

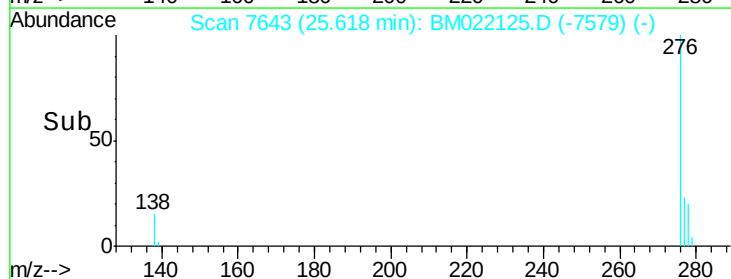
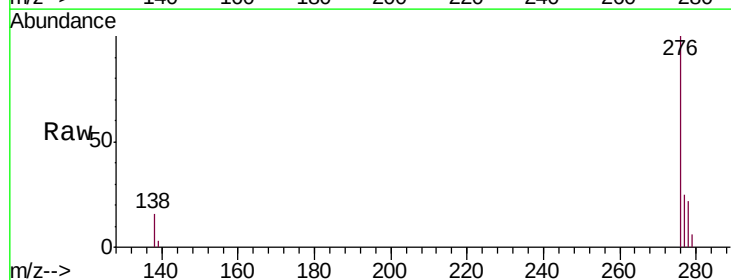
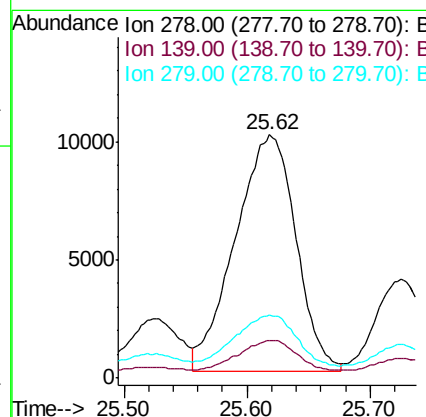
Manual Integrations
 APPROVED

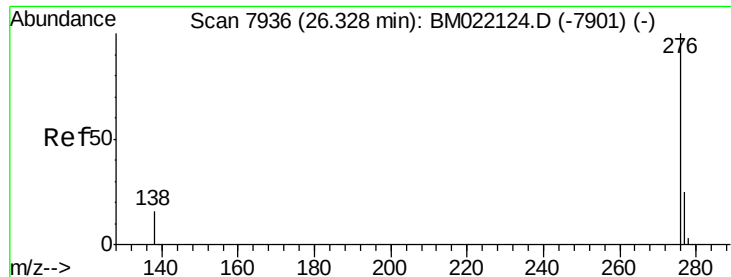
mohammad
 8/15/2019 5:09:57 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.659 ng/ul m
 RT: 25.62 min Scan# 7643
 Delta R.T. -0.05 min
 Lab File: BM022125.D
 Acq: 15 Aug 2019 02:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	14.2	21.2
279	26.1	28.3	42.5#





#26

Benzo(g,h,i)perylene

Concen: 6.915 ng/ul

RT: 26.29 min Scan# 7921

Delta R.T. -0.04 min

Lab File: BM022125.D

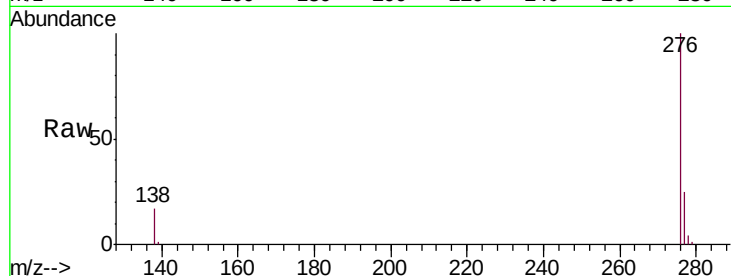
Acq: 15 Aug 2019 02:46

Instrument :

BNA_M

ClientSampleId :

CB5N9



Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	15.5	23.3
277	24.7	21.4	32.2

Manual Integrations
APPROVED

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8/15/2019 5:09:57 PM

