

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022120.D
 Acq On : 14 Aug 2019 22:29
 Operator : HP/JU
 Sample : K4304-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5N7

Manual Integrations
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Quant Time: Aug 15 11:23:43 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	938	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.37	136	3837	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1986	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4196m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4126m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	3991m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2437	0.39	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	5332m	0.38	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.42	128	12834	1.184	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	5077	0.703	ng/ul	97
7) Acenaphthylene	13.97	152	6751	0.729	ng/ul#	82
8) Acenaphthene	14.31	153	11734	1.548	ng/ul	95
9) Fluorene	15.31	166	11680	1.388	ng/ul	97
12) Phenanthrene	17.05	178	193722m	15.867	ng/ul	
13) Anthracene	17.14	178	40608m	3.899	ng/ul	
15) Fluoranthene	19.08	202	344278m	21.051	ng/ul	
17) Pyrene	19.44	202	287849	16.977	ng/ul	98
18) Benzo(a)anthracene	21.20	228	167901m	11.377	ng/ul	
19) Chrysene	21.25	228	160929	8.479	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	224291m	16.666	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	75935m	4.986	ng/ul	
23) Benzo(a)pyrene	23.32	252	146700	10.719	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.63	276	102069	6.246	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.63	278	28006m	2.120	ng/ul	
26) Benzo(g,h,i)perylene	26.30	276	85005	5.778	ng/ul	96

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

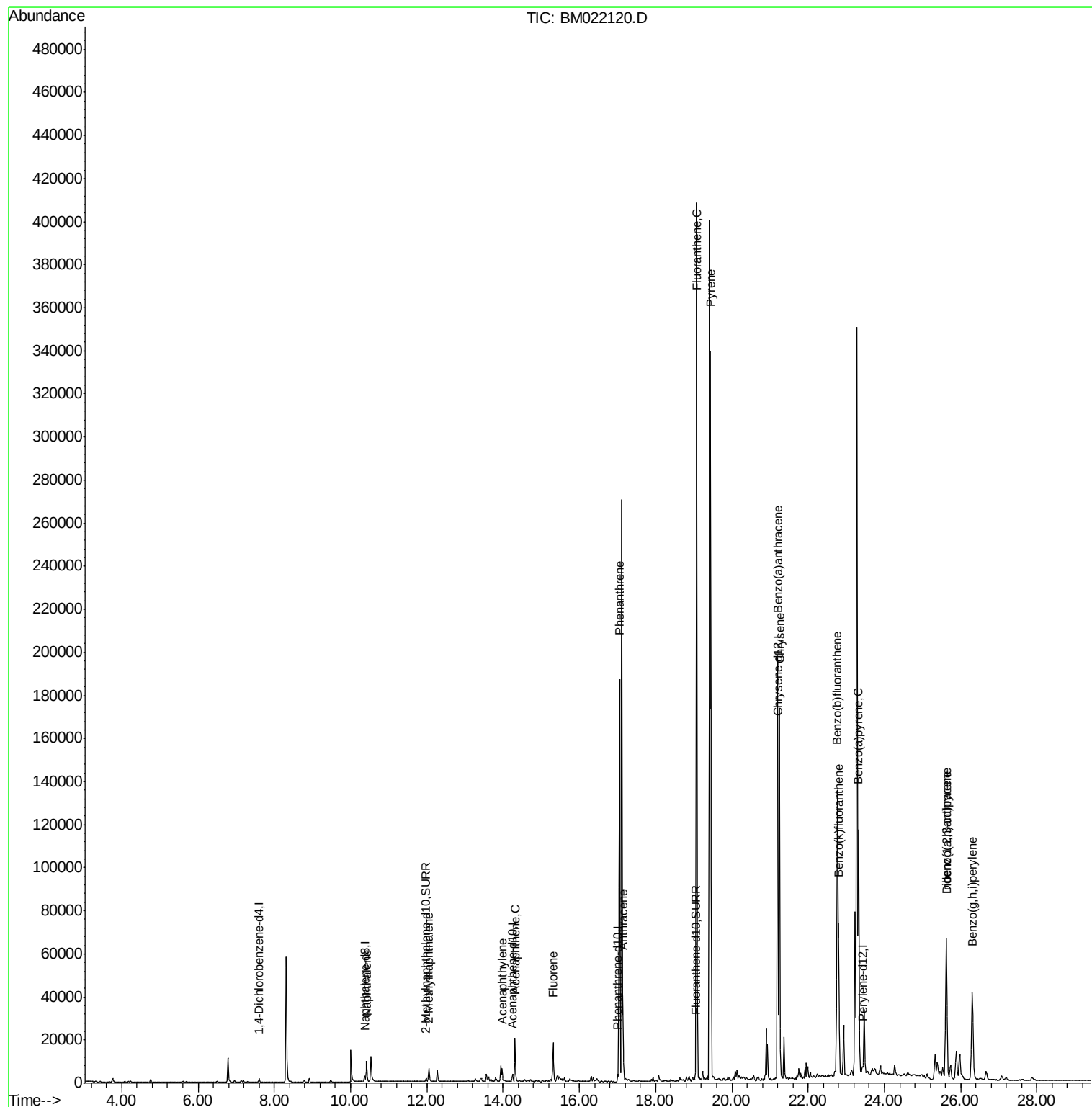
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022120.D
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ALS Vial : 23 Sample Multiplier: 1

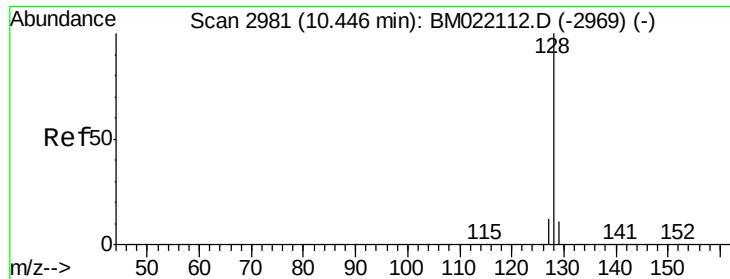
Instrument :
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#3

Naphthalene

Concen: 1.184 ng/ul

RT: 10.42 min Scan# 2975

Delta R.T. -0.03 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Instrument :

BNA_M

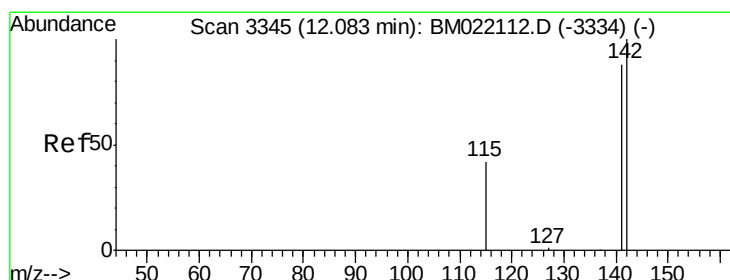
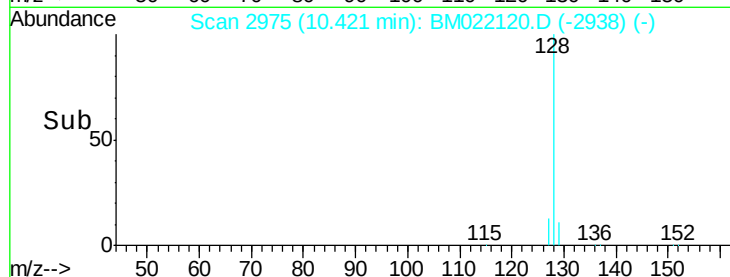
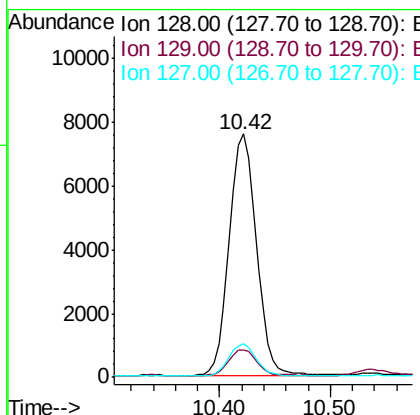
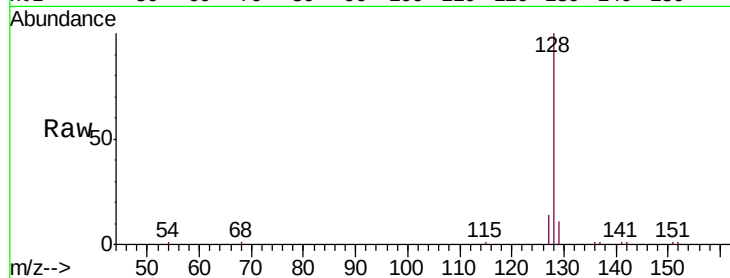
ClientSampled :

CB5N7

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	12.3	18.5#
127	14.0	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.703 ng/ul

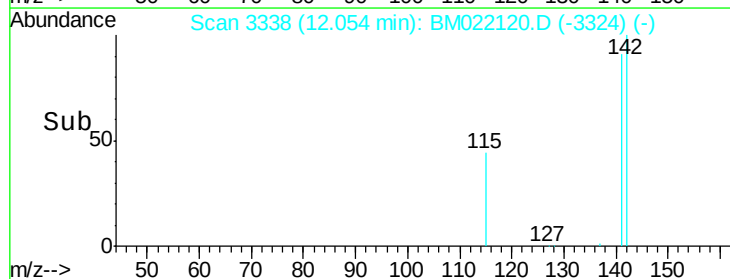
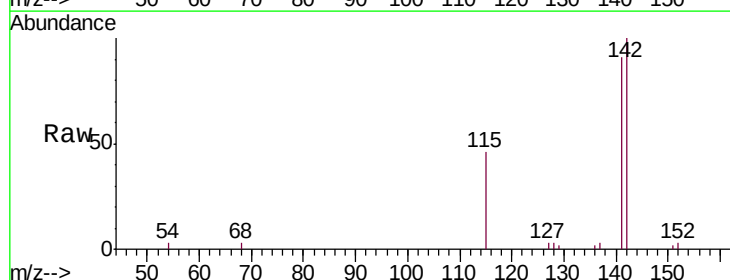
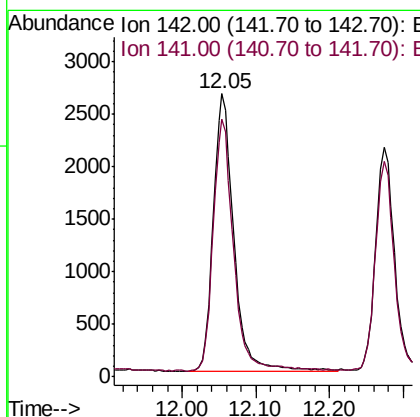
RT: 12.05 min Scan# 3338

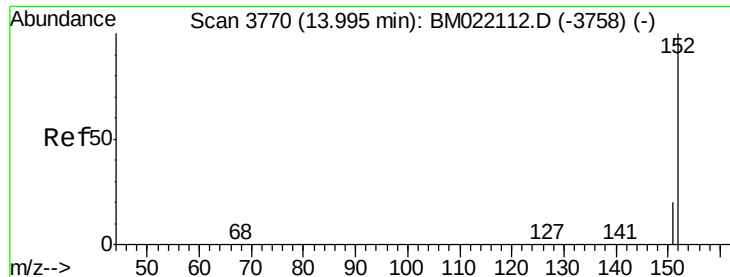
Delta R.T. -0.04 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	74.3	111.5





#7

Acenaphthylene

Concen: 0.729 ng/ul

RT: 13.97 min Scan# 3765

Delta R.T. -0.02 min

Lab File: BM022120.D

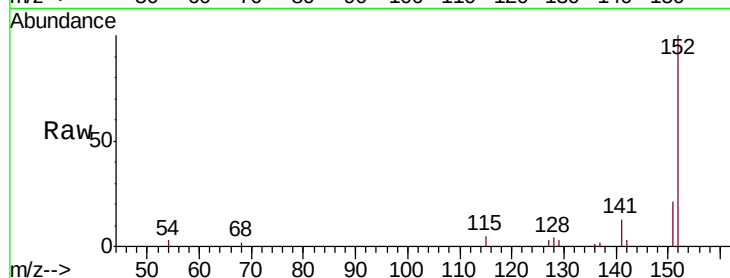
Acq: 14 Aug 2019 22:29

Instrument :

BNA_M

ClientSampleId :

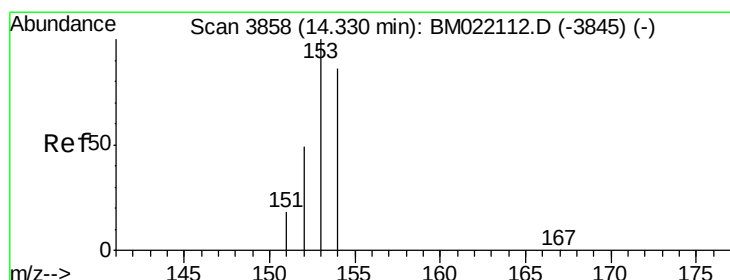
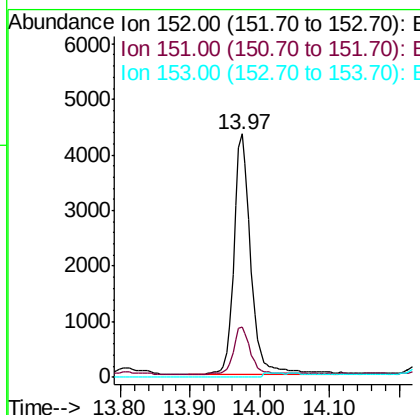
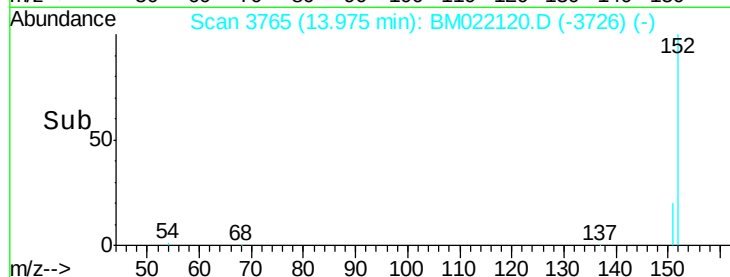
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 1.548 ng/ul

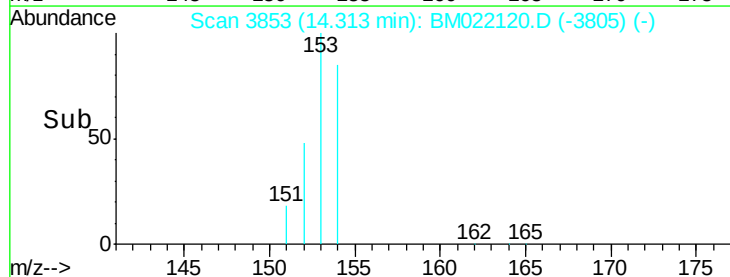
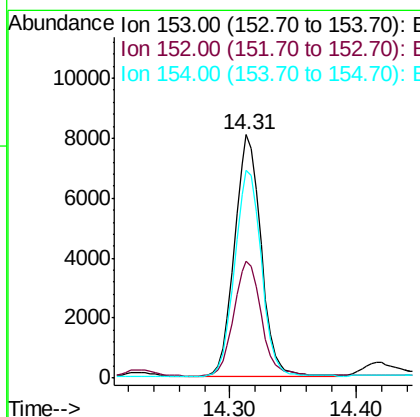
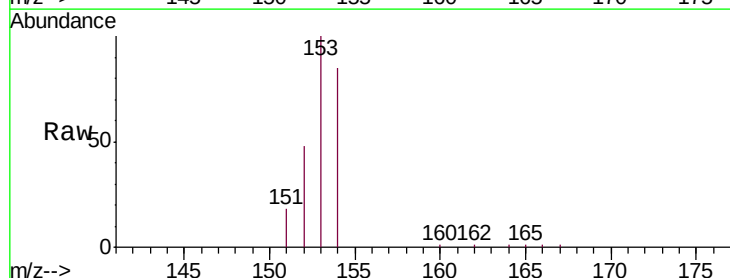
RT: 14.31 min Scan# 3853

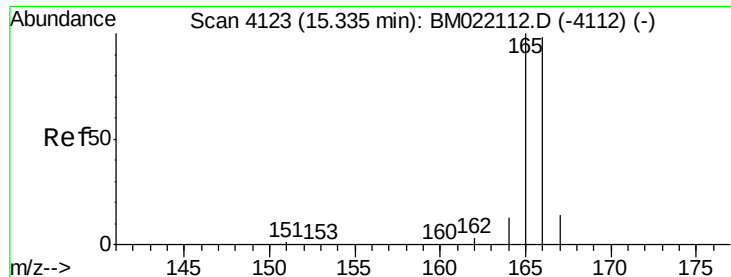
Delta R.T. -0.02 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.3	41.3	61.9
154	85.2	72.3	108.5





#9

Fluorene

Concen: 1.388 ng/ul

RT: 15.31 min Scan# 4116

Delta R.T. -0.03 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Instrument :

BNA_M

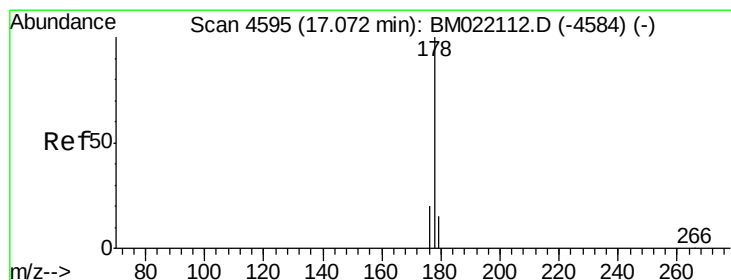
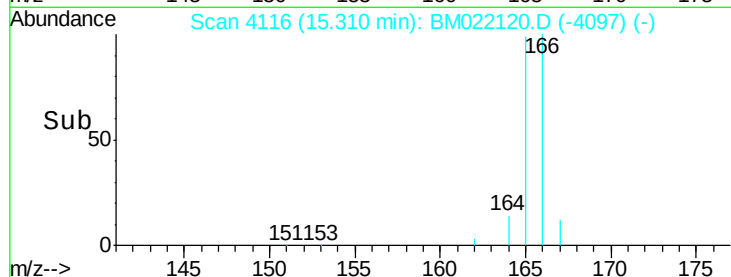
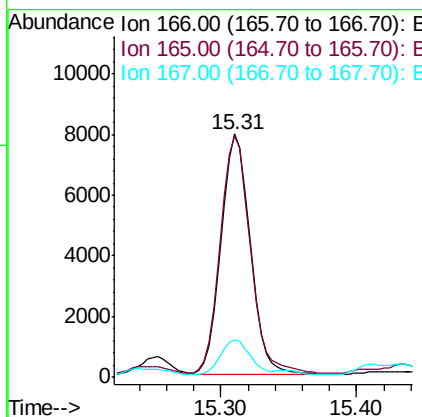
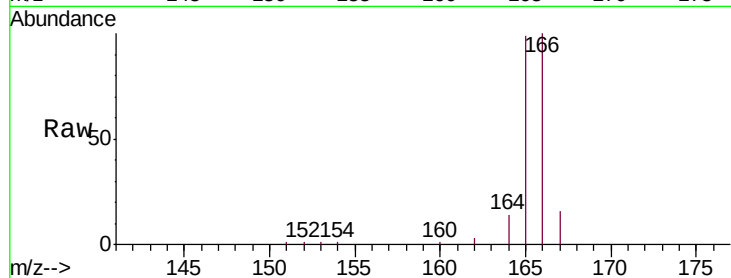
ClientSampled :

CB5N7

Tgt Ion:	166	Resp:	11680
Ion Ratio	Lower	Upper	
166	100		
165	99.1	81.4	122.0
167	15.5	13.7	20.5

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#12

Phenanthrene

Concen: 15.867 ng/ul m

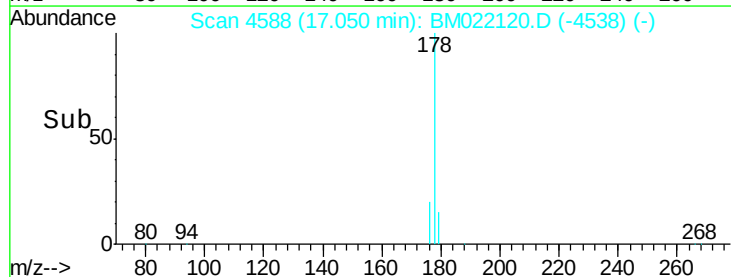
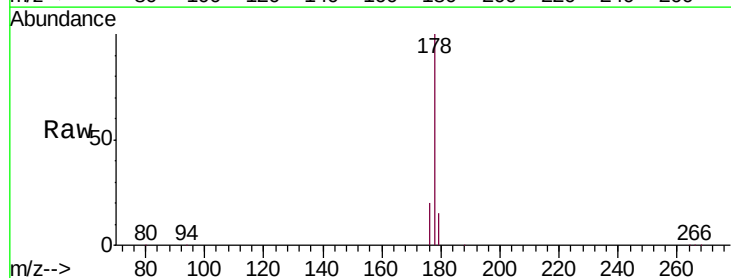
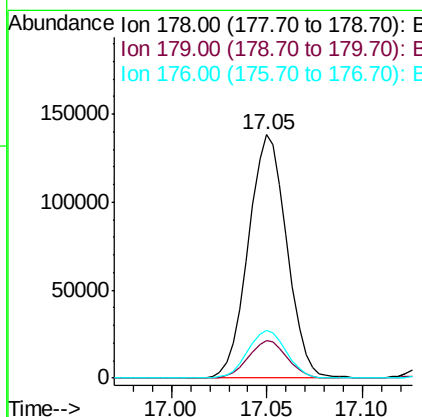
RT: 17.05 min Scan# 4588

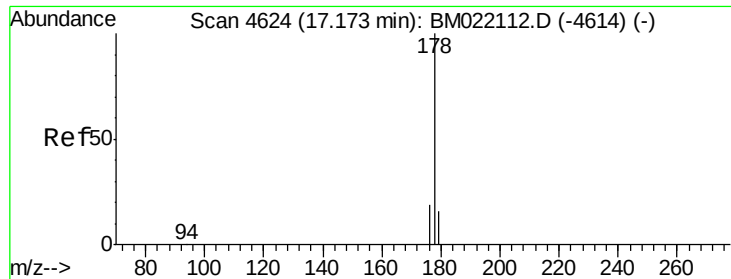
Delta R.T. -0.03 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Tgt Ion:	178	Resp:	193722
Ion Ratio	Lower	Upper	
178	100		
179	15.3	14.2	21.2
176	19.7	16.8	25.2





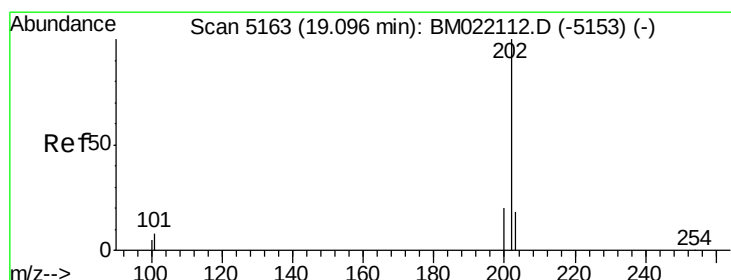
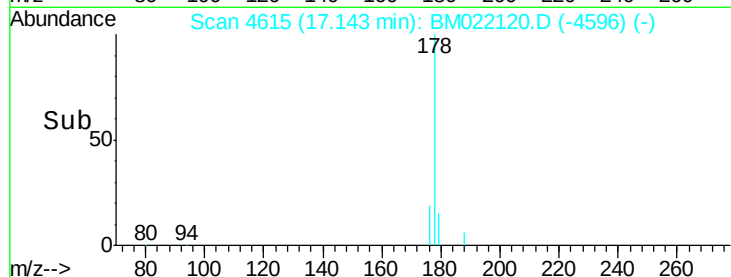
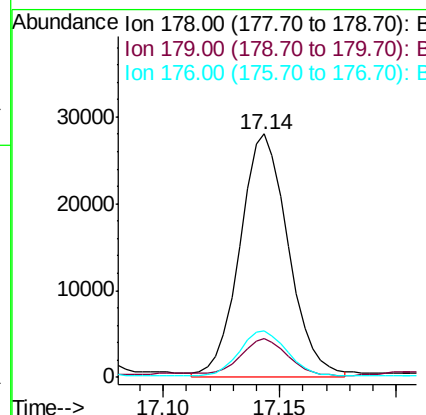
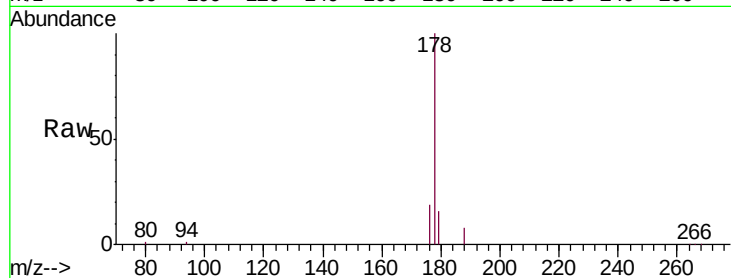
#13
 Anthracene
 Concen: 3.899 ng/ul m
 RT: 17.14 min Scan# 4615
 Delta R.T. -0.03 min
 Lab File: BM022120.D
 Acq: 14 Aug 2019 22:29

Instrument :
 BNA_M
 ClientSampleId :
 CB5N7

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	15.5	23.3
176	19.2	16.6	25.0

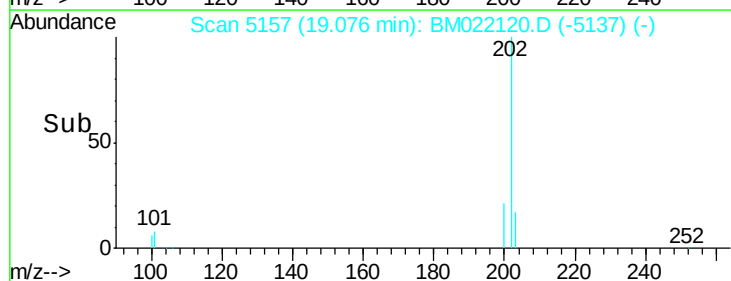
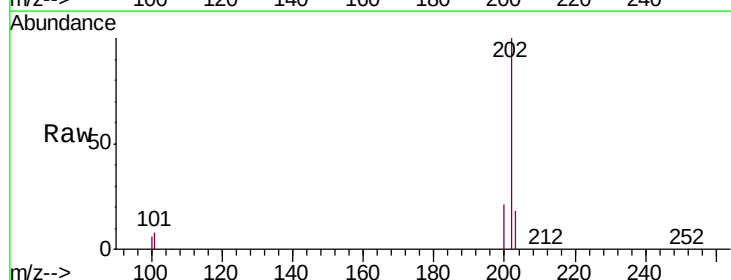
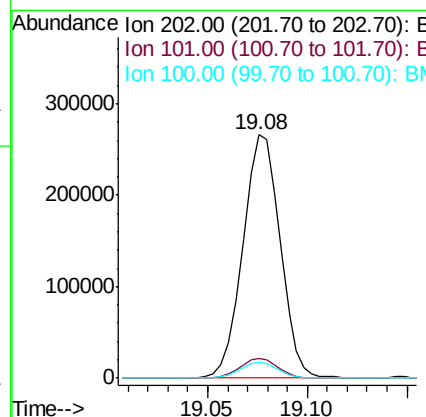
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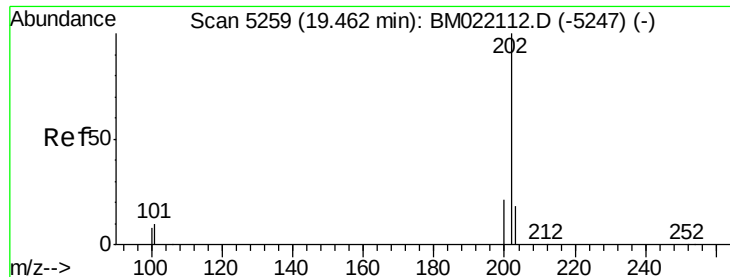
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#15
 Fluoranthene
 Concen: 21.051 ng/ul m
 RT: 19.08 min Scan# 5157
 Delta R.T. -0.02 min
 Lab File: BM022120.D
 Acq: 14 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	30.2
100	6.5	0.0	28.1





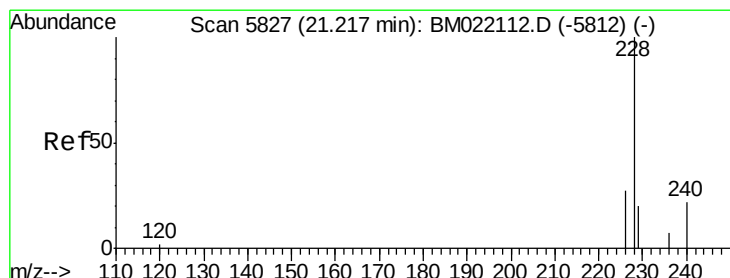
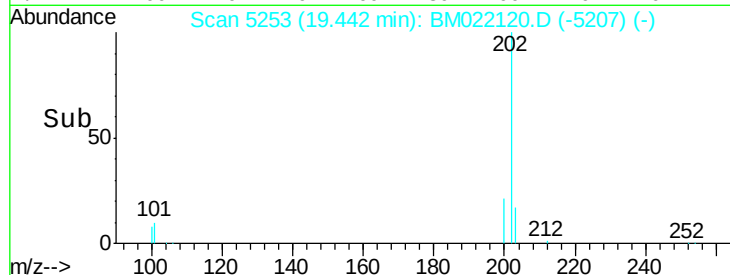
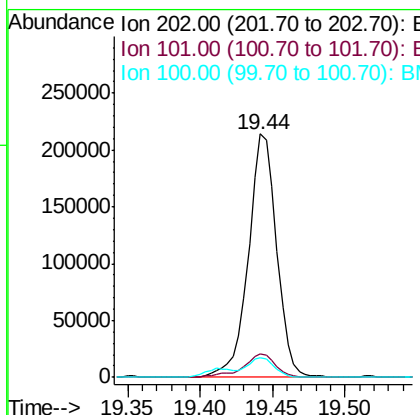
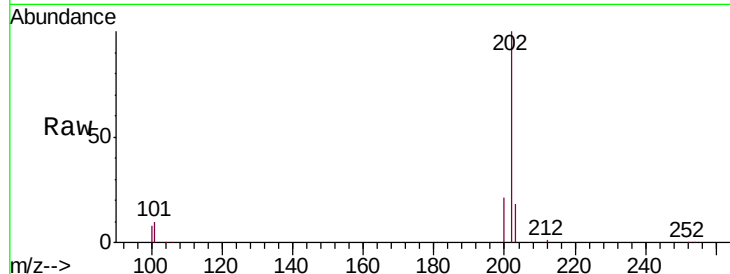
#17
Pyrene
Concen: 16.977 ng/ul
RT: 19.44 min Scan# 5253
Delta R.T. -0.02 min
Lab File: BM022120.D
Acq: 14 Aug 2019 22:29

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.8	8.3	12.5
100	8.1	7.2	10.8

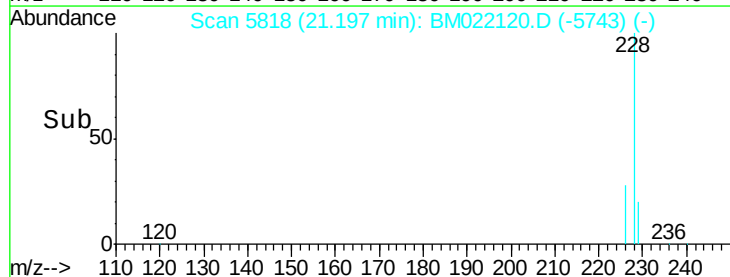
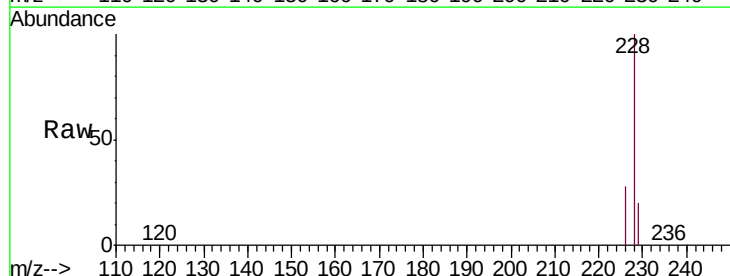
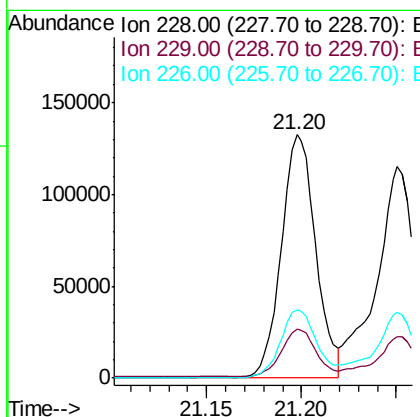
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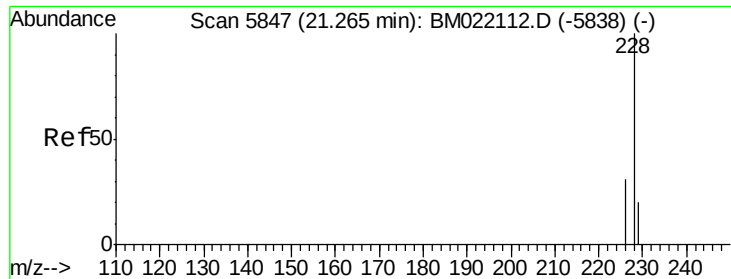
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#18
Benzo(a)anthracene
Concen: 11.377 ng/ul m
RT: 21.20 min Scan# 5818
Delta R.T. -0.02 min
Lab File: BM022120.D
Acq: 14 Aug 2019 22:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.1	17.2	25.8
226	28.2	22.6	34.0





#19

Chrysene

Concen: 8.479 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.02 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Instrument :

BNA_M

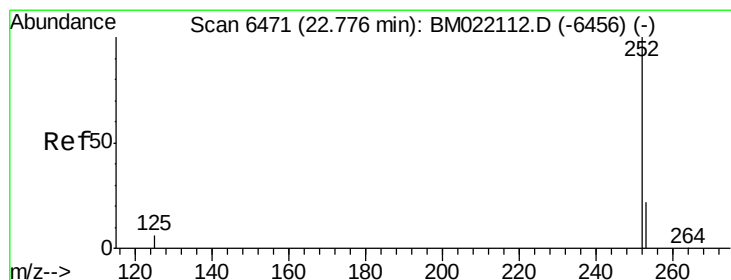
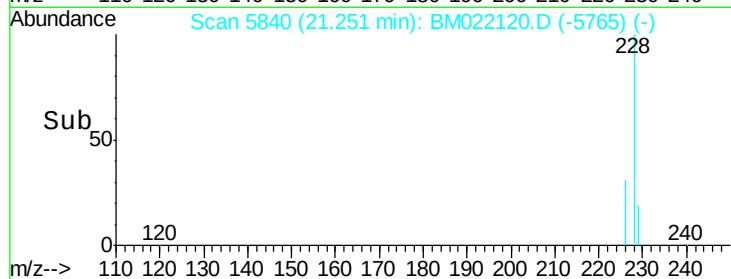
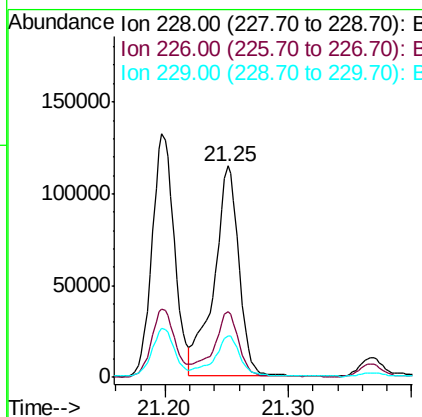
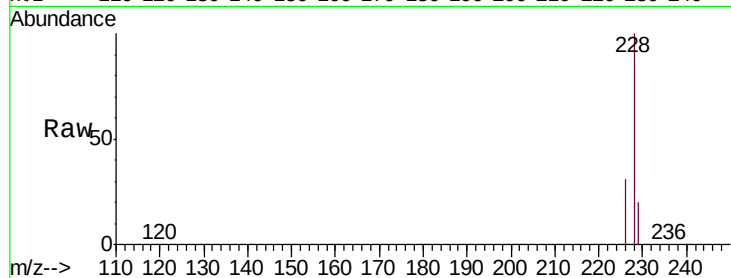
ClientSampleId :

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Tgt	Ion:228	Resp:	160929
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	19.7	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 16.666 ng/ul m

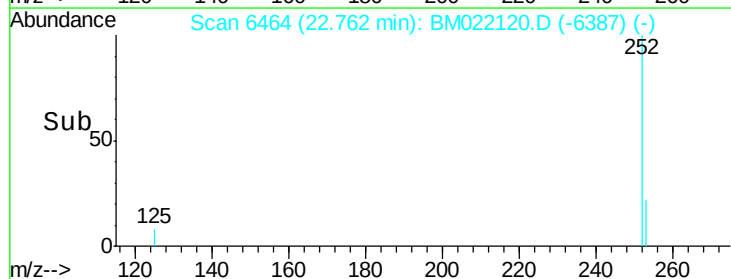
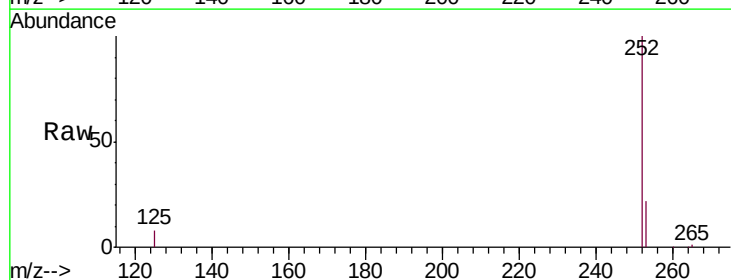
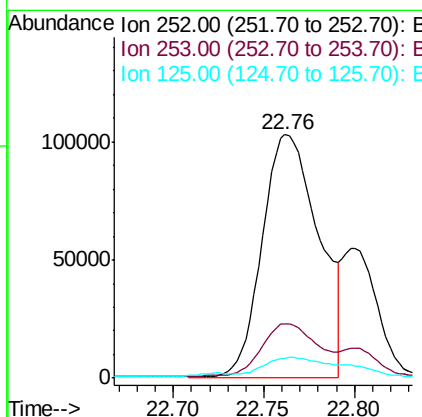
RT: 22.76 min Scan# 6464

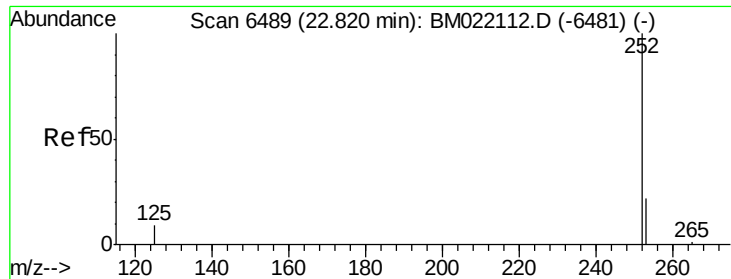
Delta R.T. -0.01 min

Lab File: BM022120.D

Acq: 14 Aug 2019 22:29

Tgt	Ion:252	Resp:	224291
Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	67.4
125	8.3	0.0	31.0





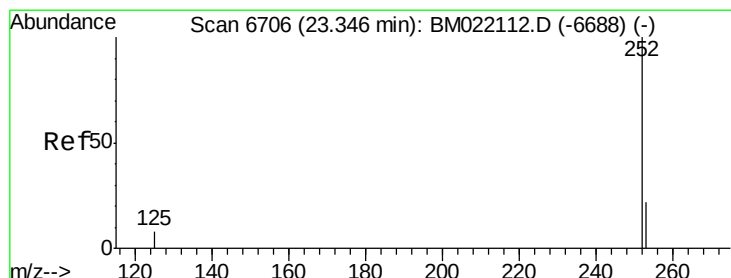
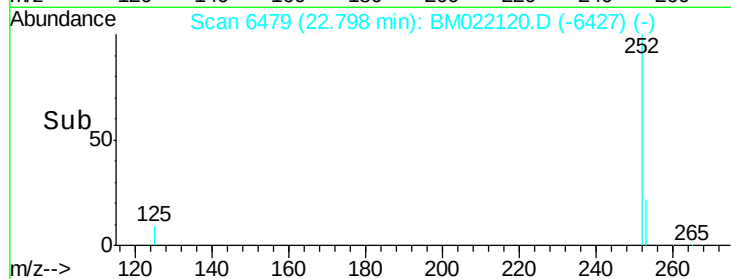
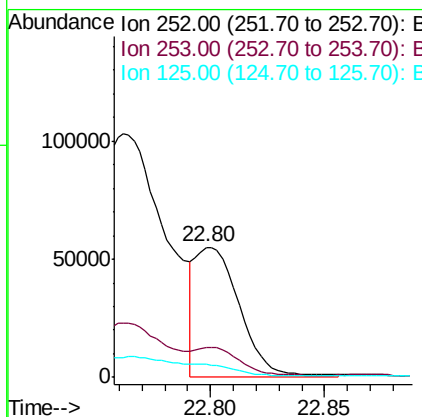
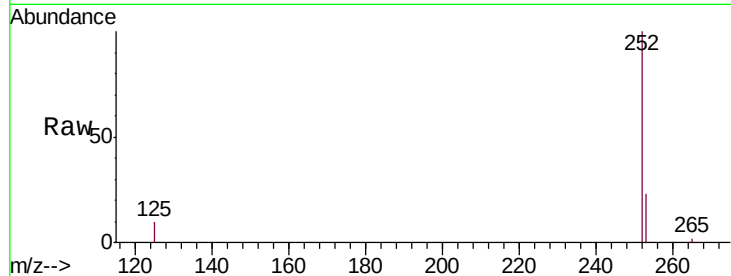
#22
Benzo(k)fluoranthene
Concen: 4.986 ng/ul m
RT: 22.80 min Scan# 6479
Delta R.T. -0.02 min
Lab File: BM022120.D
Acq: 14 Aug 2019 22:29

Instrument :
BNA_M
ClientSampled :
CB5N7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	27.0	40.4#
125	10.1	12.2	18.2#

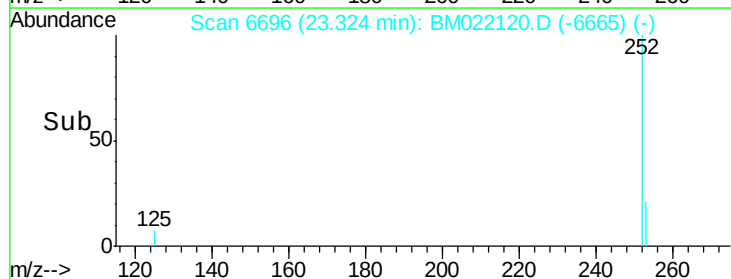
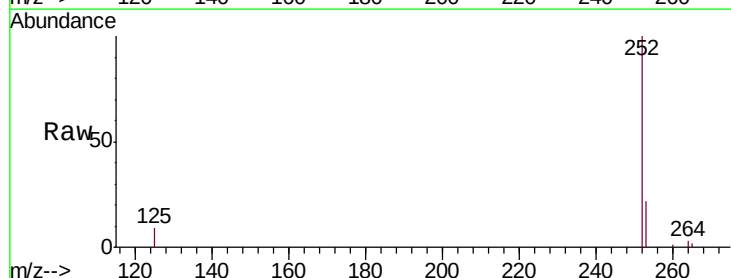
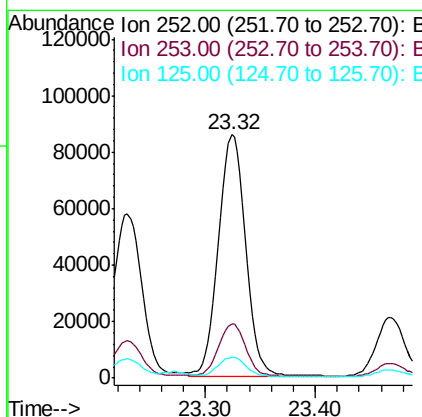
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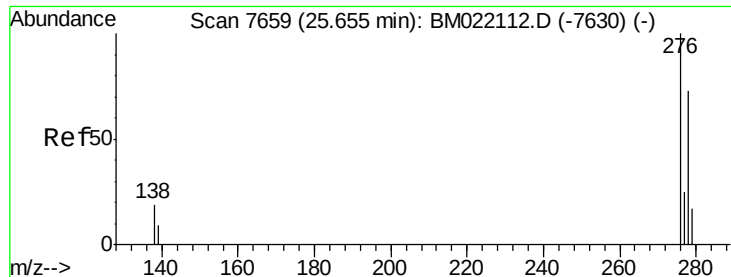
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#23
Benzo(a)pyrene
Concen: 10.719 ng/ul
RT: 23.32 min Scan# 6696
Delta R.T. -0.02 min
Lab File: BM022120.D
Acq: 14 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	31.7	47.5#
125	8.7	14.6	21.8#





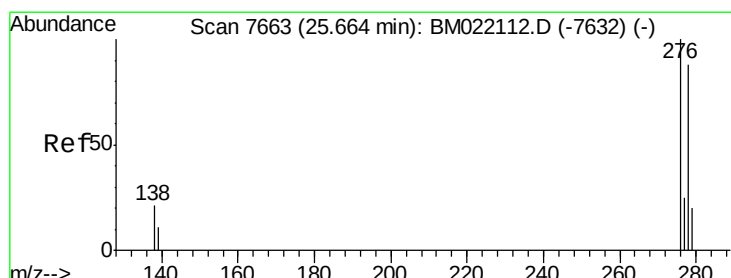
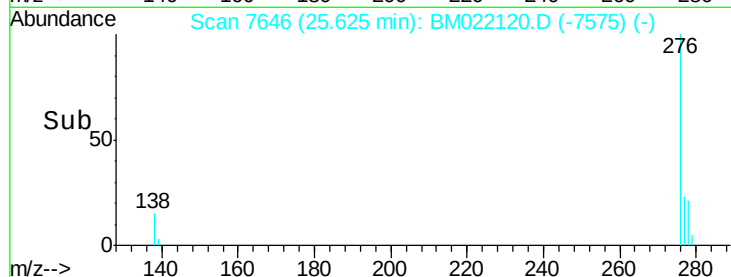
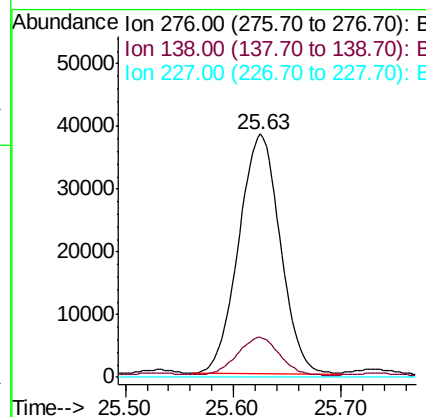
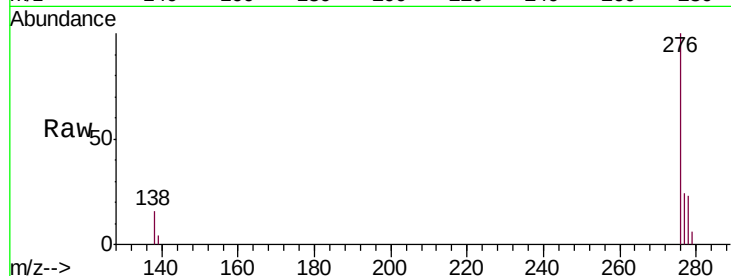
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 6.246 ng/ul
 RT: 25.63 min Scan# 7646
 Delta R.T. -0.03 min
 Lab File: BM022120.D
 Acq: 14 Aug 2019 22:29

Instrument :
 BNA_M
 ClientSampled :
 CB5N7

Tgt Ion:	276	Resp:	102069
Ion Ratio	Lower	Upper	
276	100		
138	16.2	15.1	22.7
227	0.0	0.0	0.0

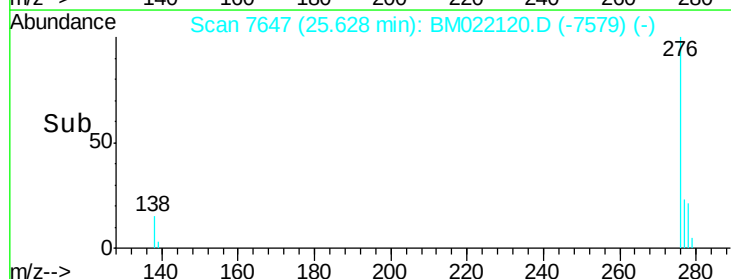
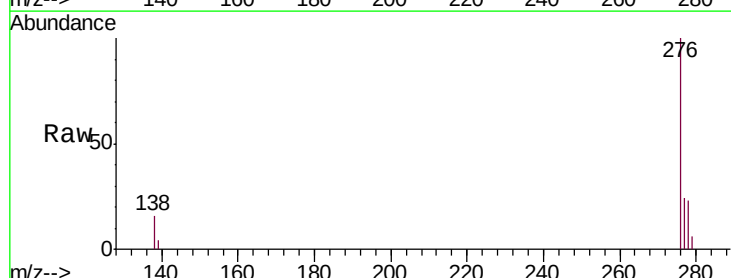
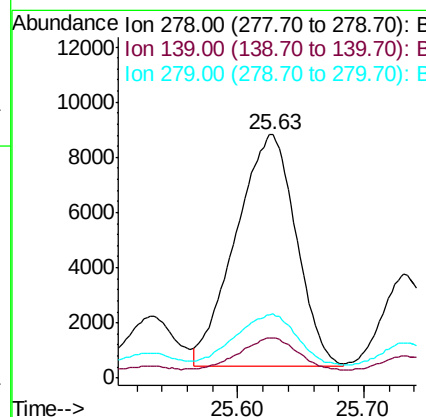
Manual Integrations
 APPROVED

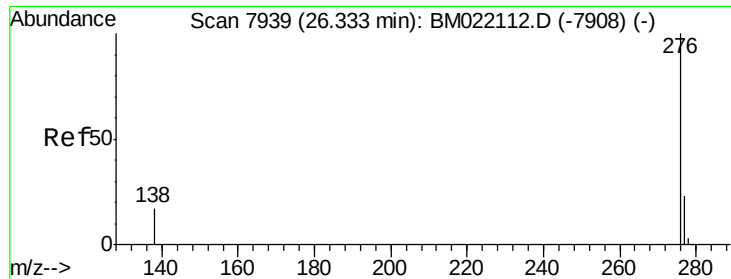
mohammad
 8/15/2019 5:09:52 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.120 ng/ul m
 RT: 25.63 min Scan# 7647
 Delta R.T. -0.04 min
 Lab File: BM022120.D
 Acq: 14 Aug 2019 22:29

Tgt Ion:	278	Resp:	28006
Ion Ratio	Lower	Upper	
278	100		
139	16.5	14.2	21.2
279	26.5	28.3	42.5#





#26
Benzo(g,h,i)perylene
Concen: 5.778 ng/ul
RT: 26.30 min Scan# 7926
Delta R.T. -0.03 min
Lab File: BM022120.D
Acq: 14 Aug 2019 22:29

Instrument :
BNA_M
ClientSampleId :
CB5N7

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	17.1	15.5	23.3
277	24.9	21.4	32.2

Manual Integrations
APPROVED

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