

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM022012.D
 Acq On : 11 Aug 2019 01:41
 Operator : HP/JU
 Sample : K4028-17
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENR4

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:42 AM

Quant Time: Aug 11 03:46:24 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	940	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	3991	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	2298	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	5538m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	5258m	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	5275m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1045	0.16	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	3893m	0.21	ng/ul	-0.02
Target Compounds					Qvalue	
3) Naphthalene	10.44	128	3475	0.308	ng/ul	97
5) 2-Methylnaphthalene	12.07	142	2428	0.323	ng/ul	96
7) Acenaphthylene	13.99	152	6294	0.587	ng/ul#	82
8) Acenaphthene	14.33	153	8907	1.016	ng/ul	96
9) Fluorene	15.32	166	9352	0.960	ng/ul	99
12) Phenanthrene	17.06	178	215710m	13.387	ng/ul	
13) Anthracene	17.15	178	49884m	3.629	ng/ul	
15) Fluoranthene	19.09	202	340623m	15.780	ng/ul	
17) Pyrene	19.45	202	401776	18.595	ng/ul	97
18) Benzo(a)anthracene	21.20	228	237882m	12.648	ng/ul	
19) Chrysene	21.26	228	227213	9.394	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	231028m	12.988	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	81601m	4.054	ng/ul	
23) Benzo(a)pyrene	23.33	252	193647	10.705	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.64	276	106111	4.913	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.64	278	32490	1.861	ng/ul	93
26) Benzo(g,h,i)perylene	26.32	276	111288	5.723	ng/ul	95

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

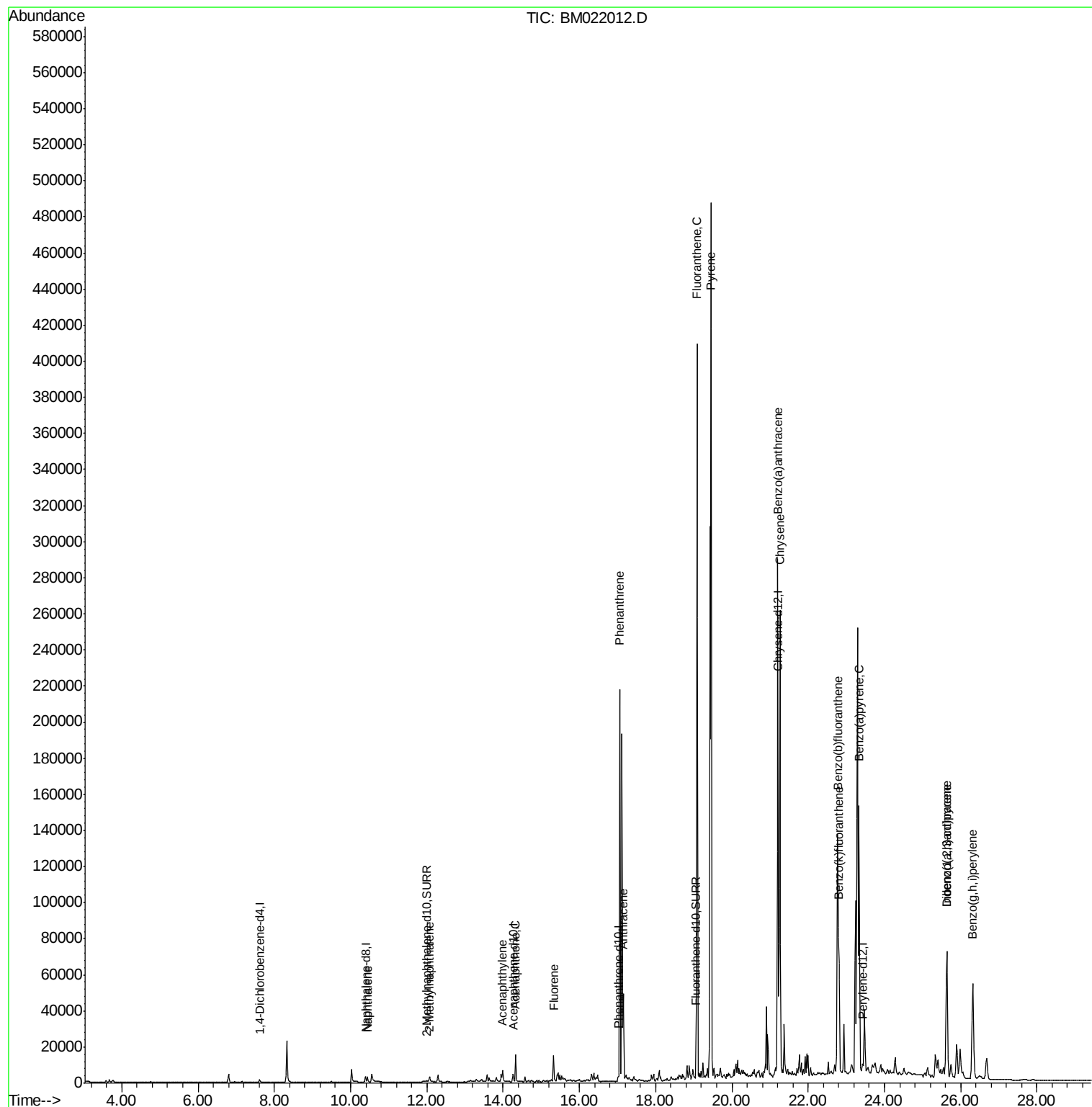
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
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ALS Vial : 49 Sample Multiplier: 1

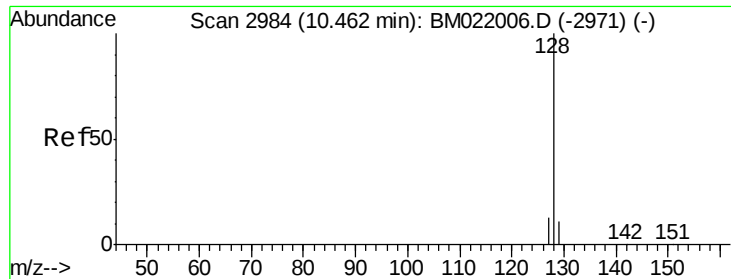
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#3

Naphthalene

Concen: 0.308 ng/ul

RT: 10.44 min Scan# 2979

Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Instrument :

BNA_M

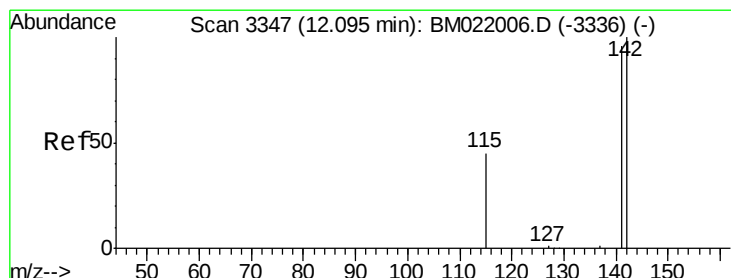
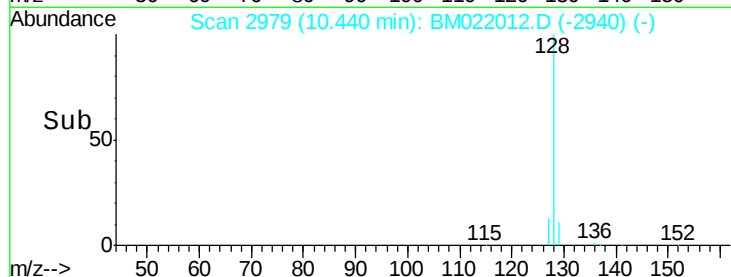
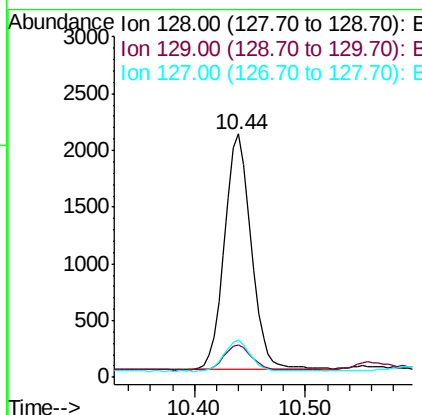
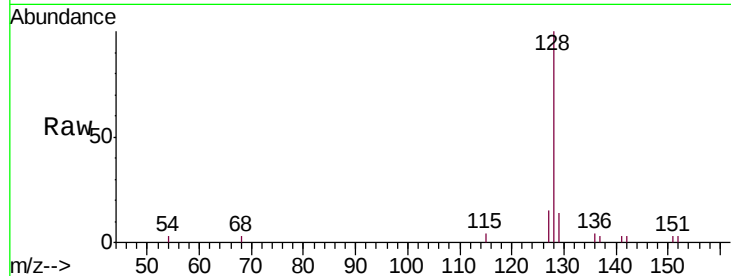
ClientSampleId :

BENR4

Tgt Ion:	128	Resp:	3475
Ion Ratio		Lower	Upper
128	100		
129	13.6	12.3	18.5
127	15.2	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.323 ng/ul

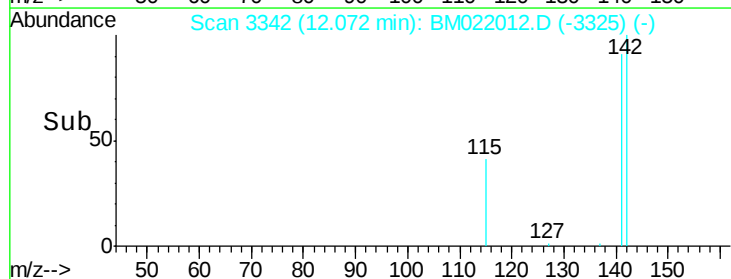
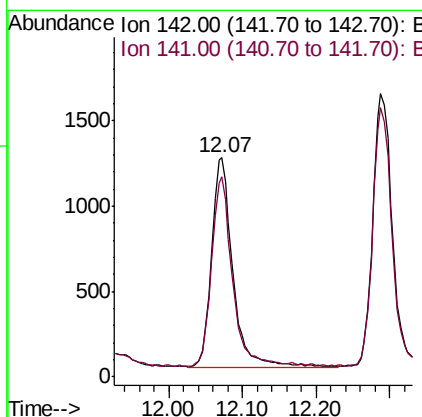
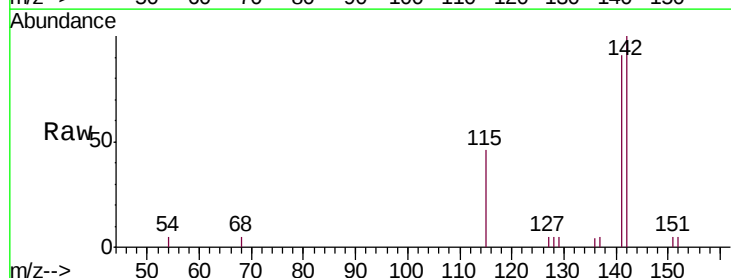
RT: 12.07 min Scan# 3342

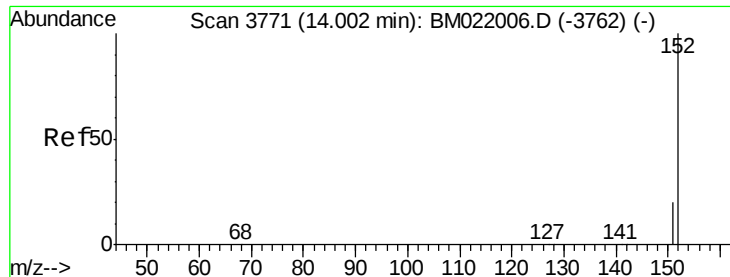
Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Tgt Ion:	142	Resp:	2428
Ion Ratio		Lower	Upper
142	100		
141	89.3	74.3	111.5





#7

Acenaphthylene

Concen: 0.587 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM022012.D

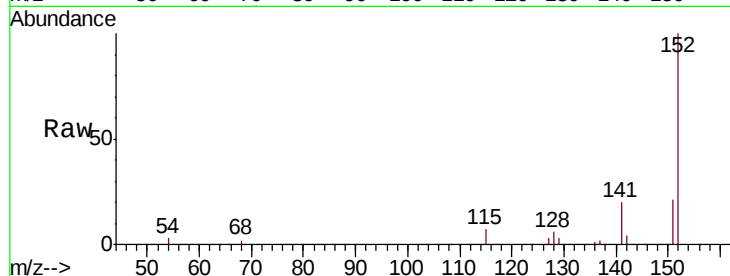
Acq: 11 Aug 2019 01:41

Instrument :

BNA_M

ClientSampleId :

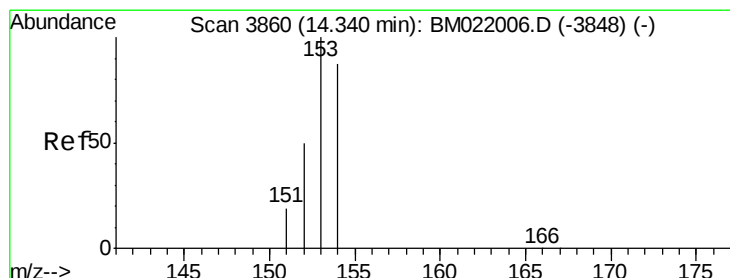
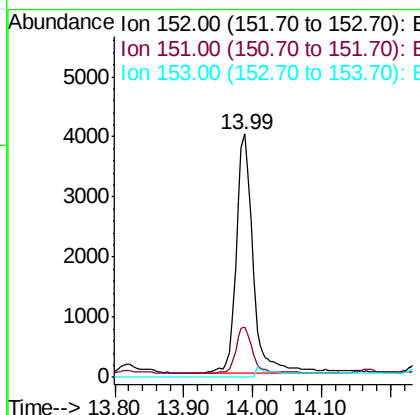
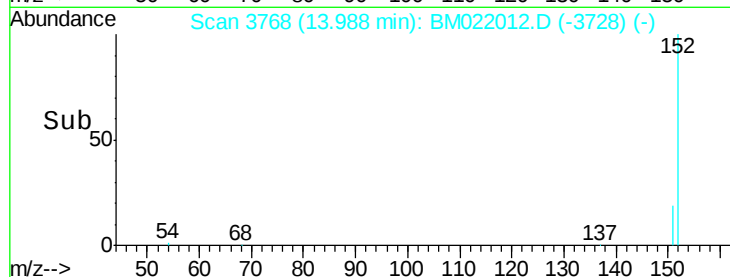
BENR4



Tgt Ion:	152	Resp:	6294
Ion Ratio	Lower	Upper	
152	100		
151	20.8	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 1.016 ng/ul

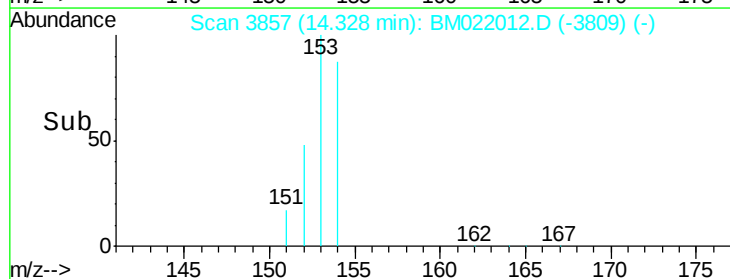
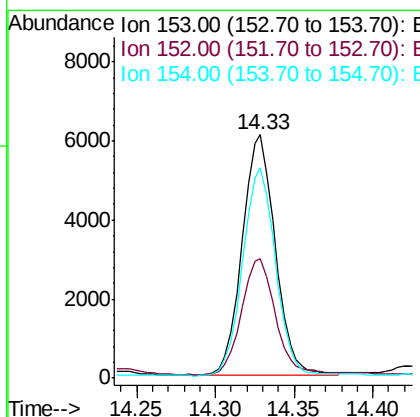
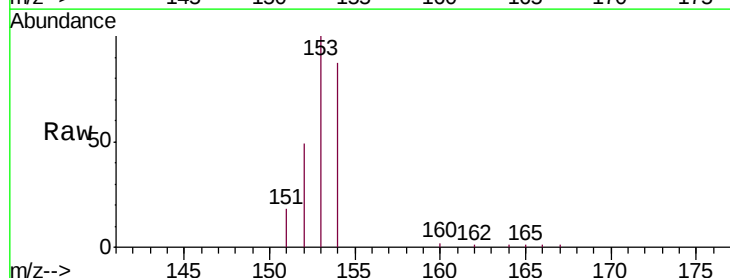
RT: 14.33 min Scan# 3857

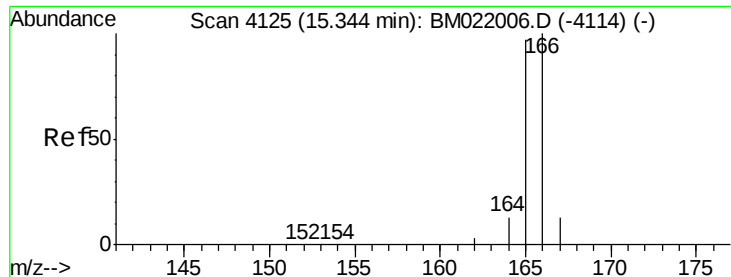
Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Tgt Ion:	153	Resp:	8907
Ion Ratio	Lower	Upper	
153	100		
152	49.0	41.3	61.9
154	86.6	72.3	108.5





#9

Fluorene

Concen: 0.960 ng/ul

RT: 15.32 min Scan# 4119

Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Instrument :

BNA_M

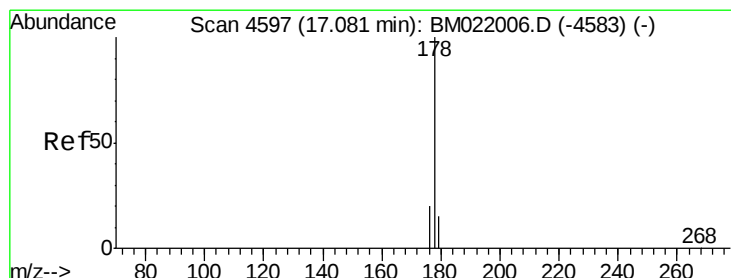
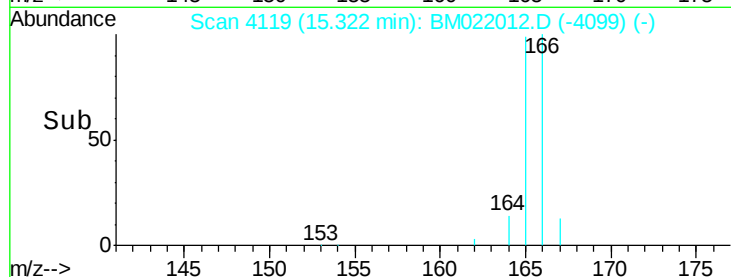
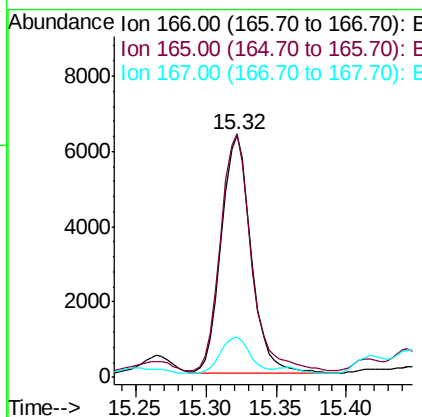
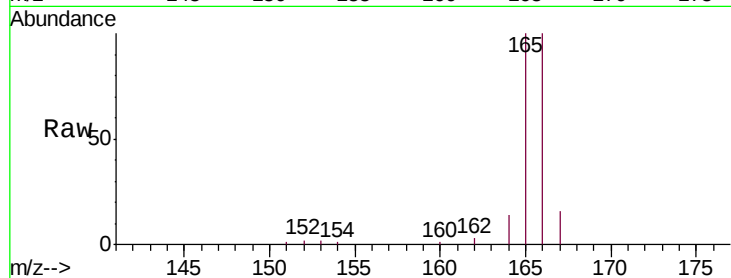
ClientSampleId :

BENR4

Tgt Ion:	166	Resp:	9352
Ion Ratio	Lower	Upper	
166	100		
165	100.4	81.4	122.0
167	16.4	13.7	20.5

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#12

Phenanthrene

Concen: 13.387 ng/ul m

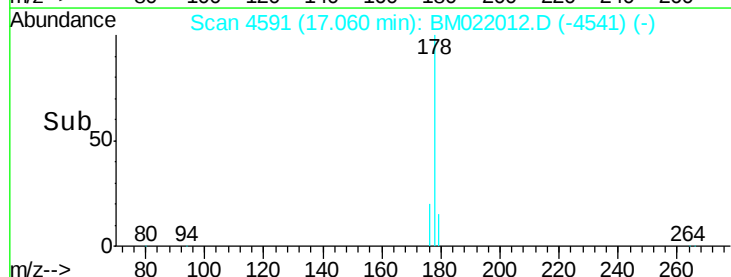
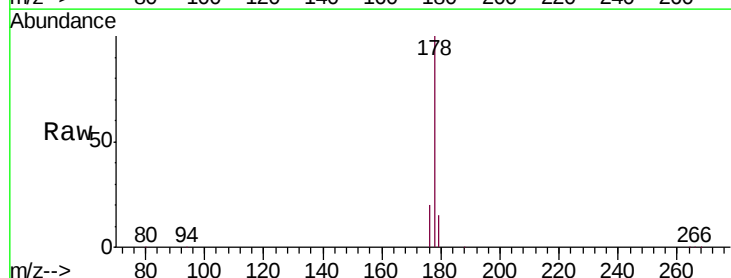
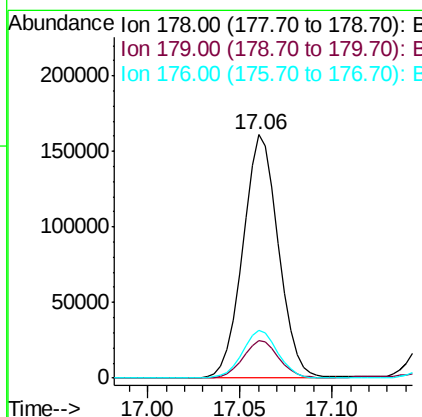
RT: 17.06 min Scan# 4591

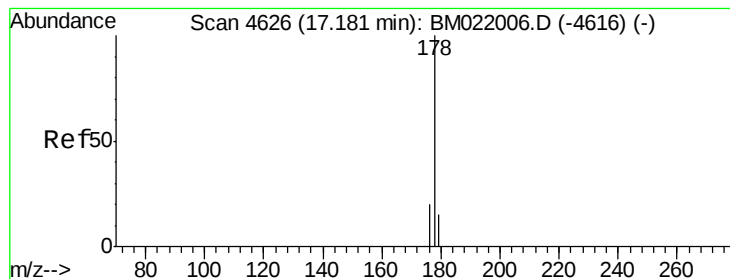
Delta R.T. -0.03 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Tgt Ion:	178	Resp:	215710
Ion Ratio	Lower	Upper	
178	100		
179	15.3	14.2	21.2
176	19.7	16.8	25.2





#13

Anthracene

Concen: 3.629 ng/ul m

RT: 17.15 min Scan# 4618

Delta R.T. -0.03 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Instrument :

BNA_M

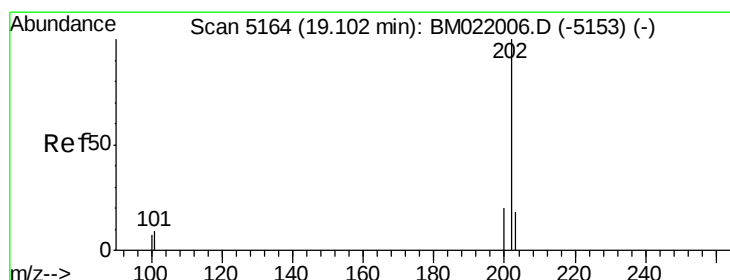
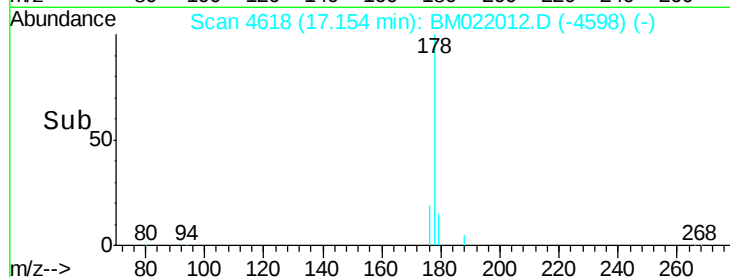
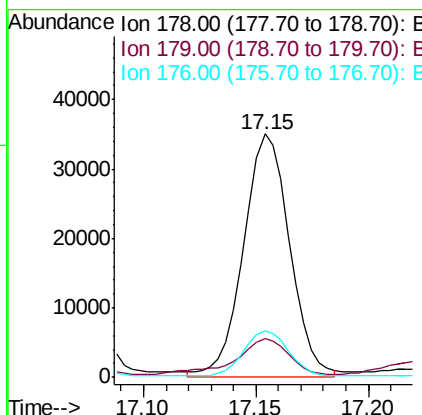
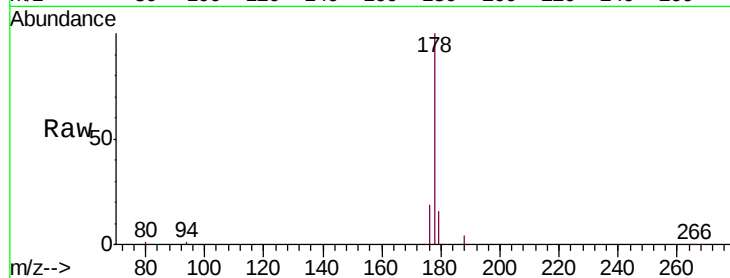
ClientSampleId :

BENR4

Tgt Ion:	178	Resp:	49884
Ion Ratio	Lower	Upper	
178	100		
179	16.1	15.5	23.3
176	19.3	16.6	25.0

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#15

Fluoranthene

Concen: 15.780 ng/ul m

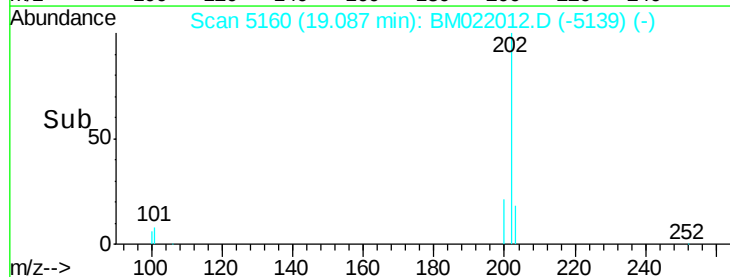
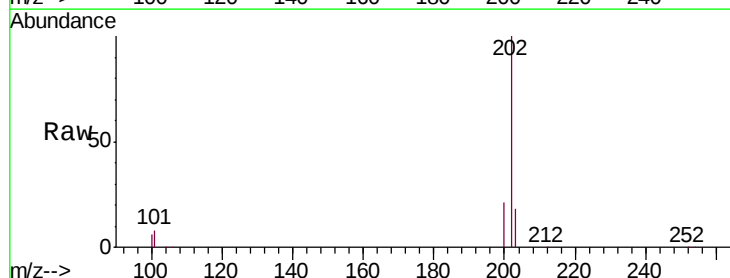
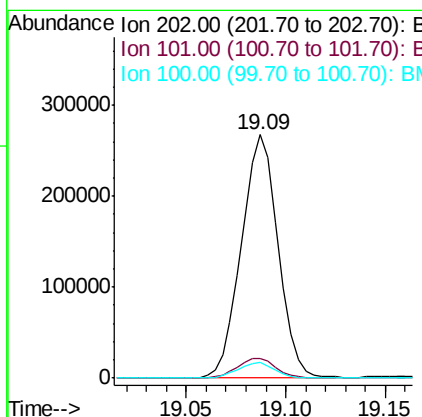
RT: 19.09 min Scan# 5160

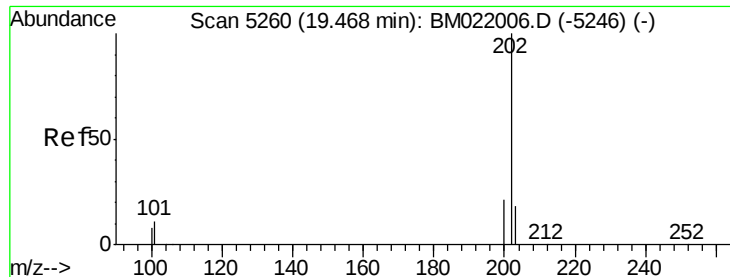
Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Tgt Ion:	202	Resp:	340623
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	30.2
100	6.3	0.0	28.1





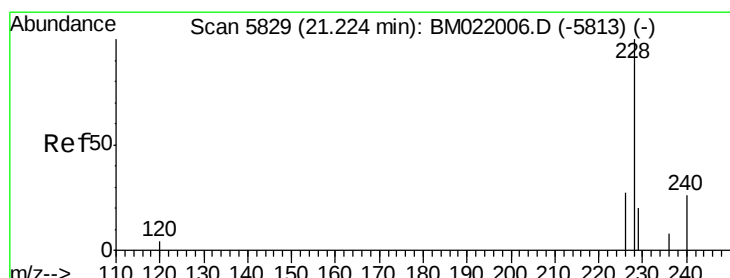
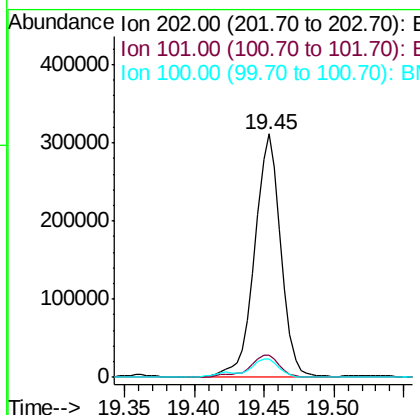
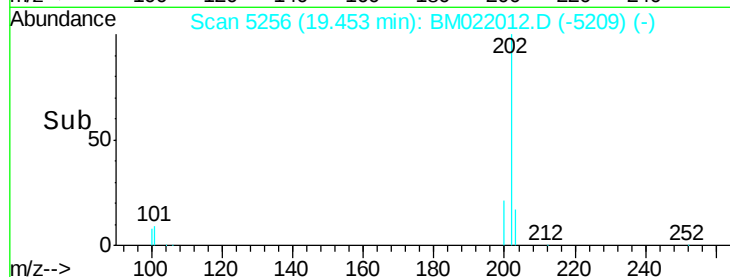
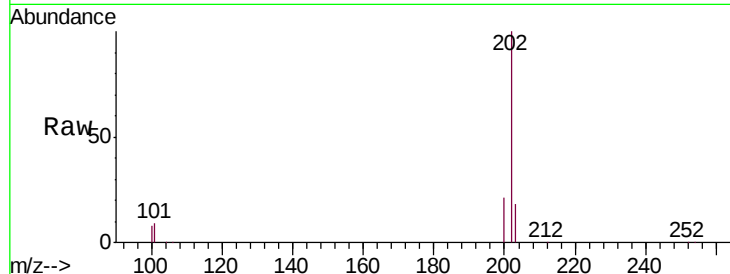
#17
Pyrene
Concen: 18.595 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.02 min
Lab File: BM022012.D
Acq: 11 Aug 2019 01:41

Instrument :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.3	8.3	12.5
100	7.7	7.2	10.8

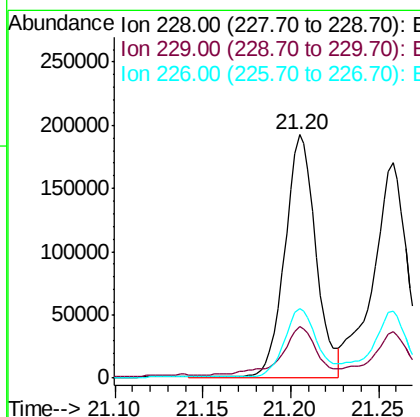
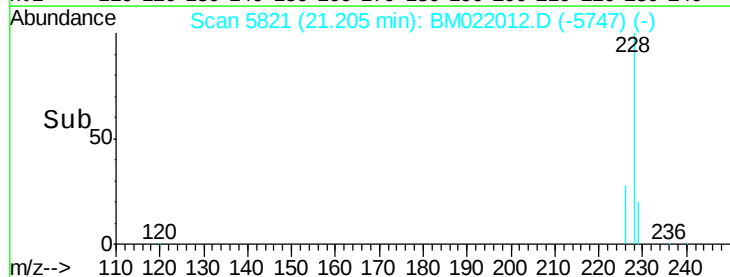
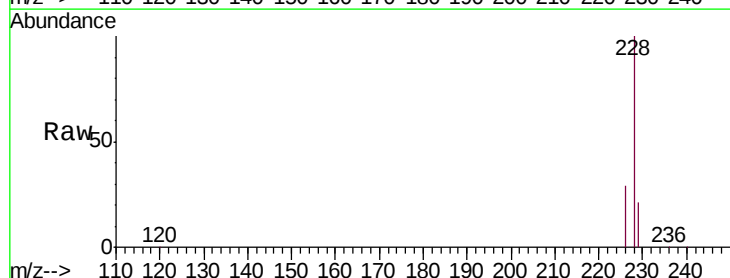
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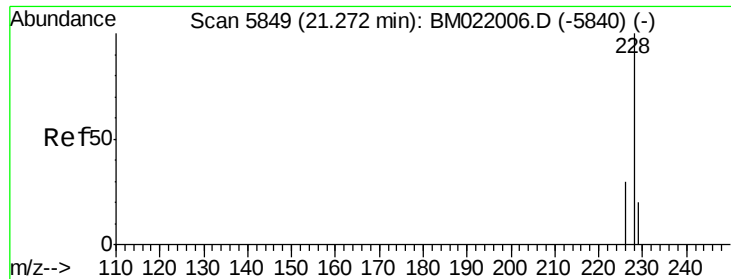
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#18
Benzo(a)anthracene
Concen: 12.648 ng/ul m
RT: 21.20 min Scan# 5821
Delta R.T. -0.02 min
Lab File: BM022012.D
Acq: 11 Aug 2019 01:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.1	17.2	25.8
226	28.8	22.6	34.0





#19

Chrysene

Concen: 9.394 ng/ul

RT: 21.26 min Scan# 5843

Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Instrument :

BNA_M

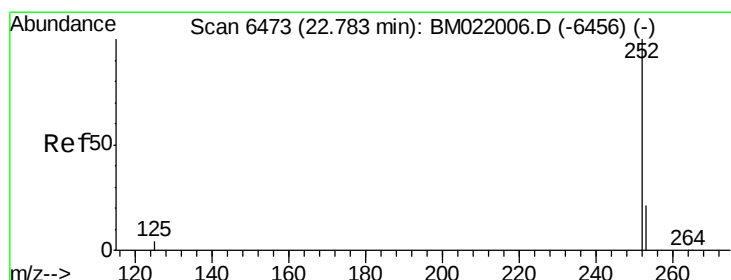
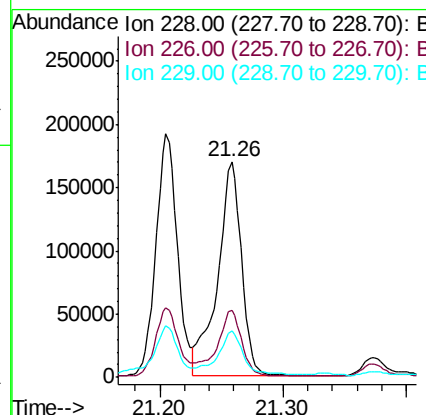
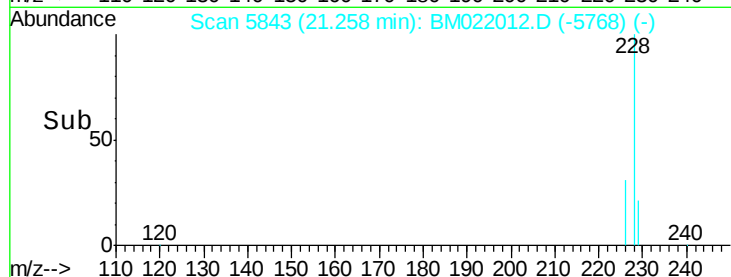
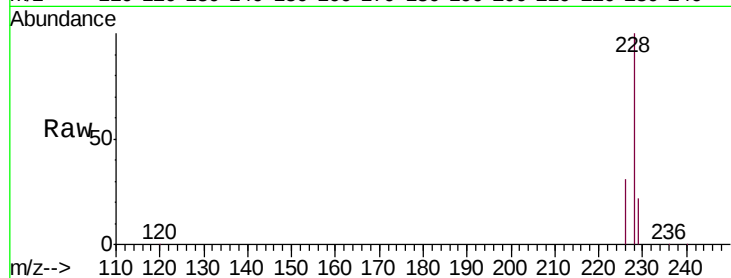
ClientSampleId :

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Tgt Ion:	228	Resp:	227213
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.9	37.3
229	21.6	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 12.988 ng/ul m

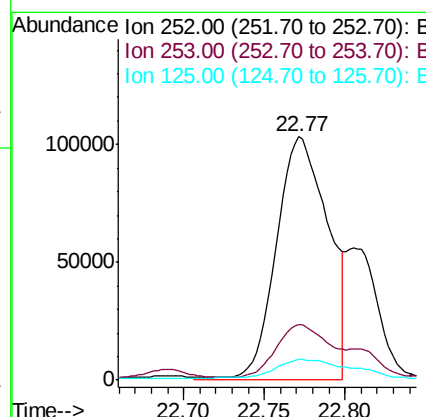
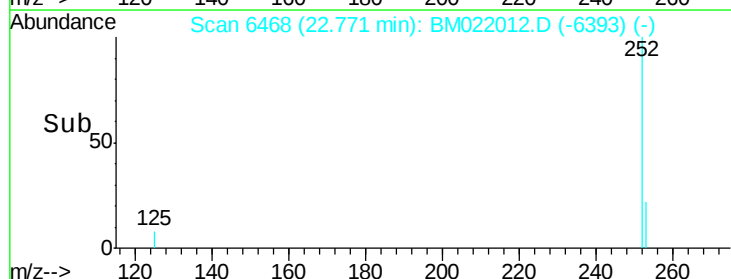
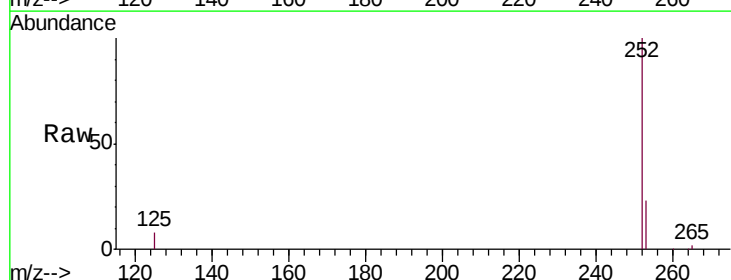
RT: 22.77 min Scan# 6468

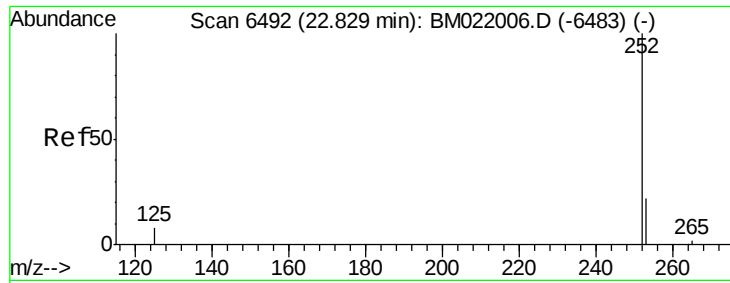
Delta R.T. -0.02 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Tgt Ion:	252	Resp:	231028
Ion Ratio	Lower	Upper	
252	100		
253	22.8	0.0	67.4
125	8.4	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 4.054 ng/ul m

RT: 22.81 min Scan# 6482

Delta R.T. -0.03 min

Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Instrument :

BNA_M

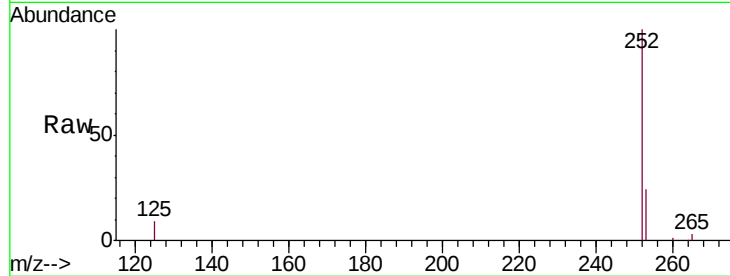
ClientSampled :

BENR4

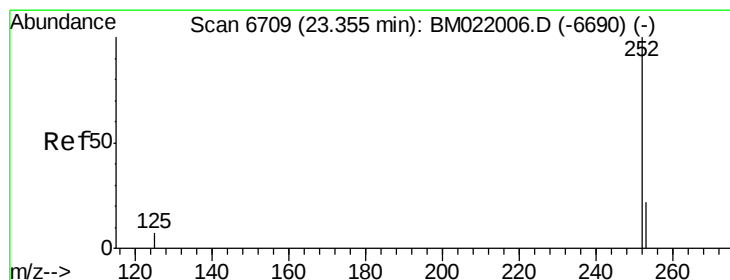
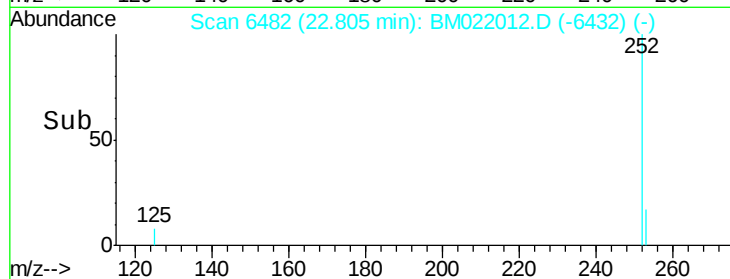
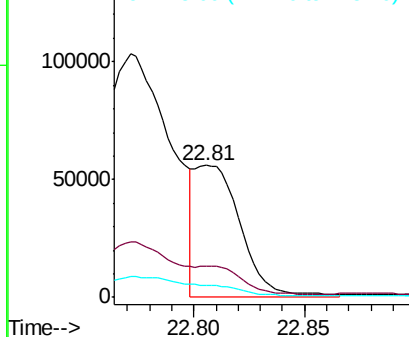
Tgt Ion:	252	Resp:	81601
Ion Ratio	Lower	Upper	
252	100		
253	24.0	27.0	40.4#
125	9.2	12.2	18.2#

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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: 10.705 ng/ul

RT: 23.33 min Scan# 6700

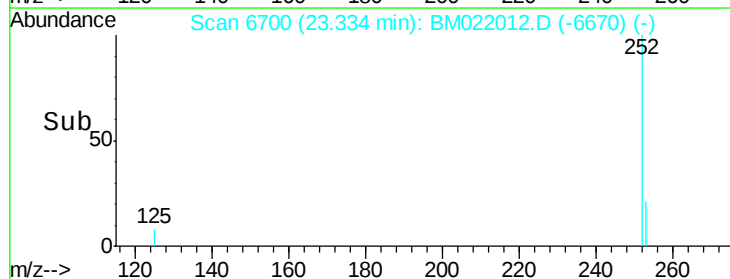
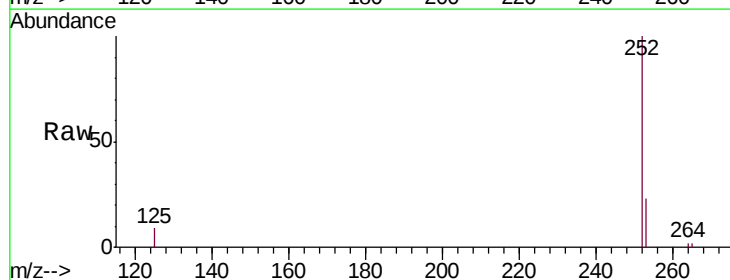
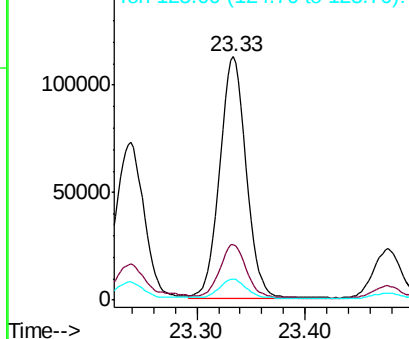
Delta R.T. -0.03 min

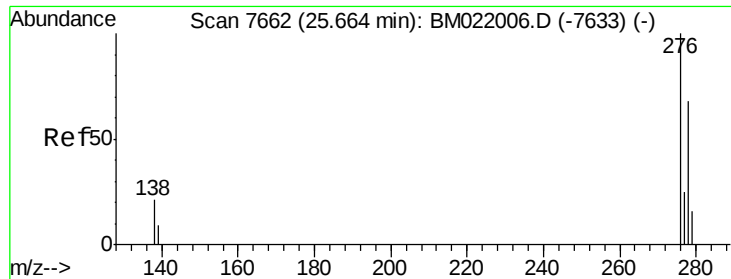
Lab File: BM022012.D

Acq: 11 Aug 2019 01:41

Tgt Ion:	252	Resp:	193647
Ion Ratio	Lower	Upper	
252	100		
253	22.8	31.7	47.5#
125	8.6	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





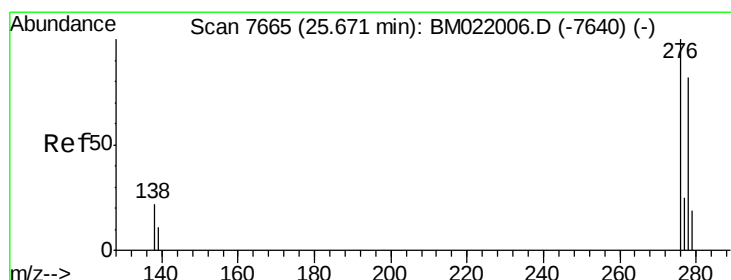
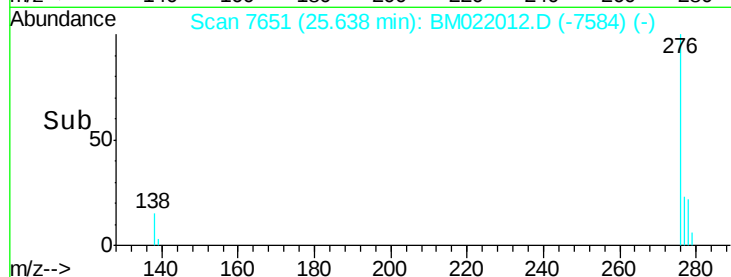
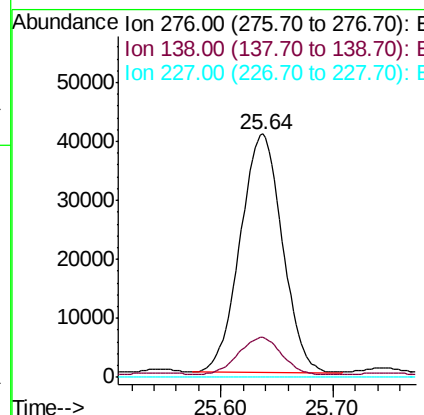
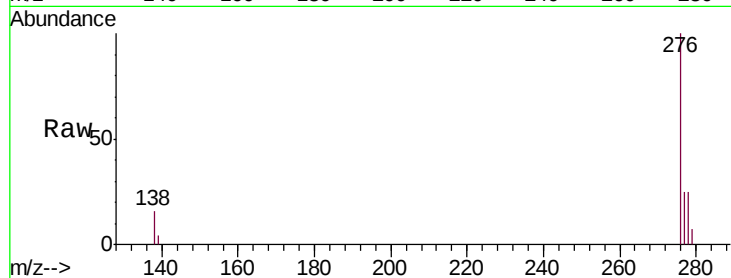
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.913 ng/ul
 RT: 25.64 min Scan# 7651
 Delta R.T. -0.04 min
 Lab File: BM022012.D
 Acq: 11 Aug 2019 01:41

Instrument :
 BNA_M
 ClientSampleId :
 BENR4

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	106111		
138	16.2	15.1	22.7	
227	0.0	0.0	0.0	

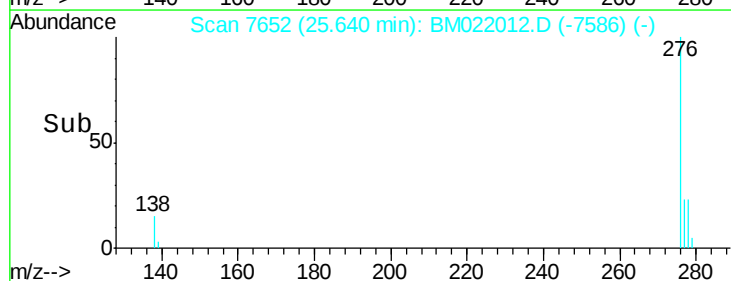
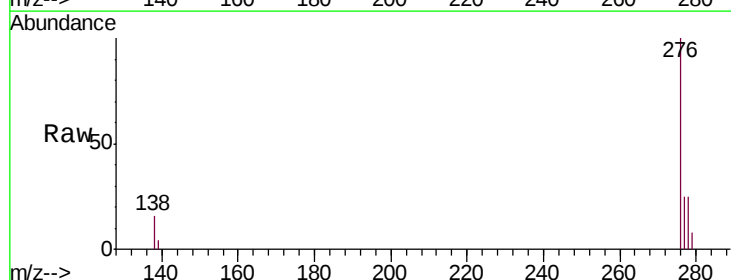
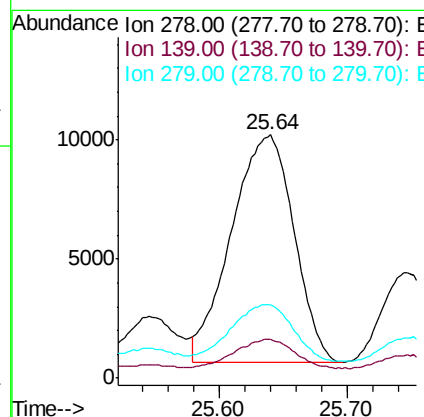
Manual Integrations
 APPROVED

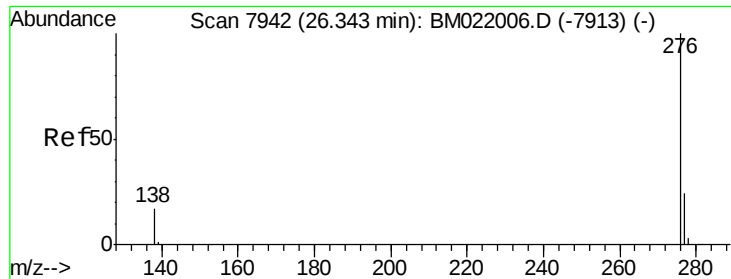
Sohil
 8/13/2019 8:46:42 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.861 ng/ul
 RT: 25.64 min Scan# 7652
 Delta R.T. -0.04 min
 Lab File: BM022012.D
 Acq: 11 Aug 2019 01:41

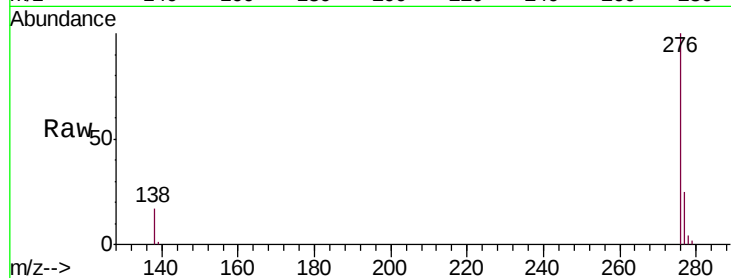
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	32490		
139	15.9	14.2	21.2	
279	30.1	28.3	42.5	





#26
 Benzo(g,h,i)perylene
 Concen: 5.723 ng/ul
 RT: 26.32 min Scan# 7932
 Delta R.T. -0.04 min
 Lab File: BM022012.D
 Acq: 11 Aug 2019 01:41

Instrument :
 BNA_M
 ClientSampleId :
 BENR4



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	16.5	15.5	23.3
277	24.8	21.4	32.2

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:42 AM

