

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM022004.D
 Acq On : 10 Aug 2019 19:31
 Operator : HP/JU
 Sample : K4041-19
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENX2

Manual Integrations
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 8/13/2019 8:46:30 AM

Quant Time: Aug 11 02:24:16 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	850	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3476	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	1793	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	4162m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4023m	0.40	ng/ul	-0.02
20) Perylene-d12	23.44	264	3981m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	918	0.16	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	2630m	0.19	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	304	0.031	ng/ul#	59
5) 2-Methylnaphthalene	12.08	142	164	0.025	ng/ul	97
7) Acenaphthylene	13.99	152	754	0.090	ng/ul#	76
8) Acenaphthene	14.33	153	568	0.083	ng/ul	96
9) Fluorene	15.32	166	565	0.074	ng/ul#	95
12) Phenanthrene	17.06	178	12453m	1.028	ng/ul	
13) Anthracene	17.15	178	3574m	0.346	ng/ul	
15) Fluoranthene	19.09	202	28389m	1.750	ng/ul	
17) Pyrene	19.45	202	35697	2.159	ng/ul	99
18) Benzo(a)anthracene	21.21	228	20674m	1.437	ng/ul	
19) Chrysene	21.26	228	21947	1.186	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	23529m	1.753	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	8423m	0.554	ng/ul	
23) Benzo(a)pyrene	23.34	252	18828m	1.379	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.65	276	10774m	0.661	ng/ul	
25) Dibenzo(a,h)anthracene	25.65	278	3235m	0.246	ng/ul	
26) Benzo(g,h,i)perylene	26.32	276	11018m	0.751	ng/ul	

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

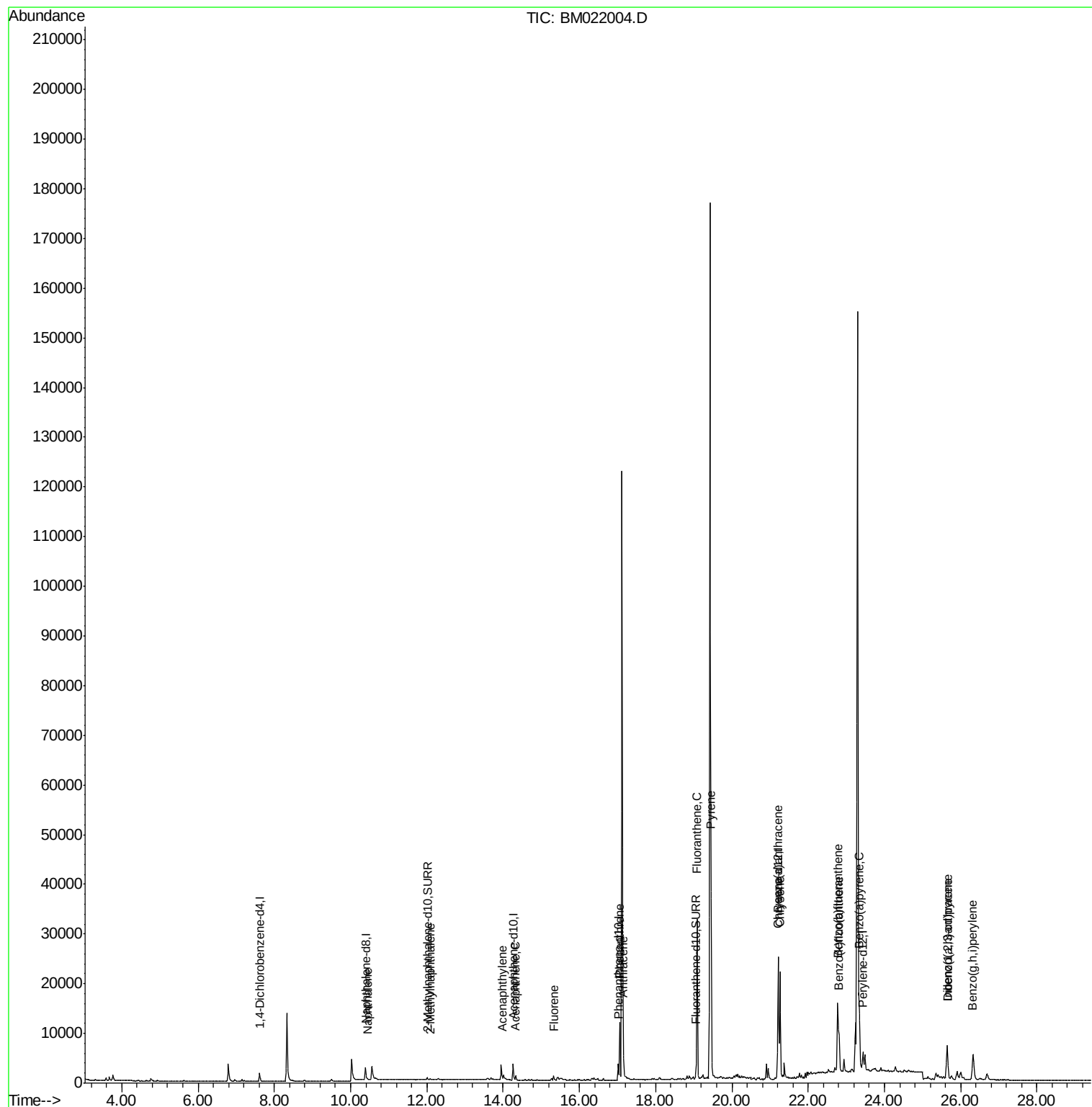
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM022004.D
Acq On : 10 Aug 2019 19:31
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Sample : K4041-19
Misc :
ALS Vial : 41 Sample Multiplier: 1

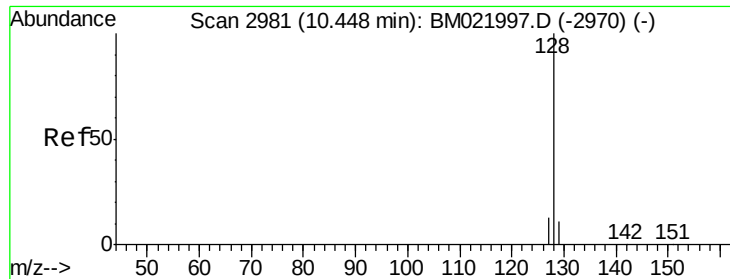
Instrument :
BNA_M
ClientSampleId :
BENX2

Quant Time: Aug 11 02:24:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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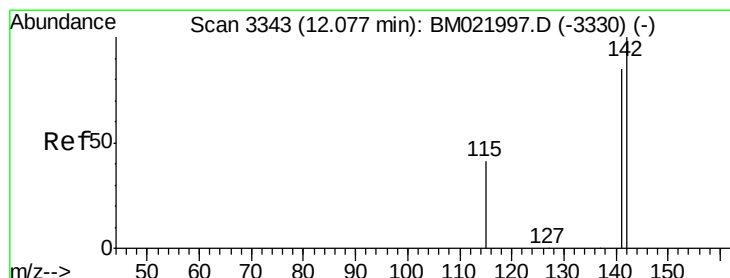
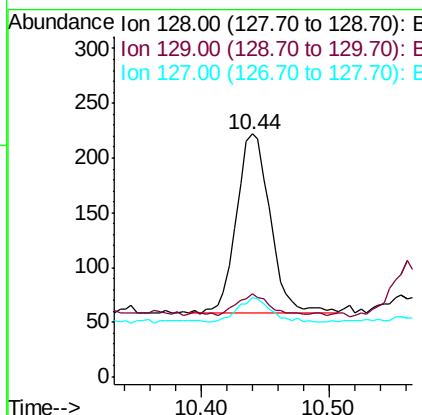
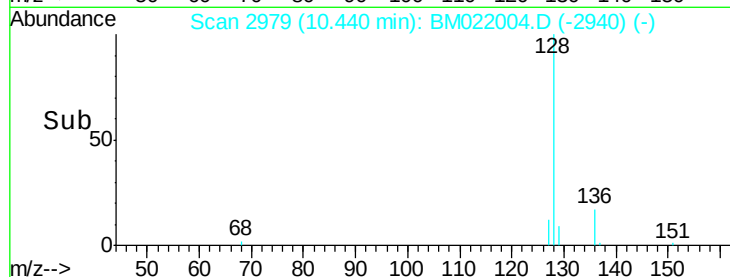
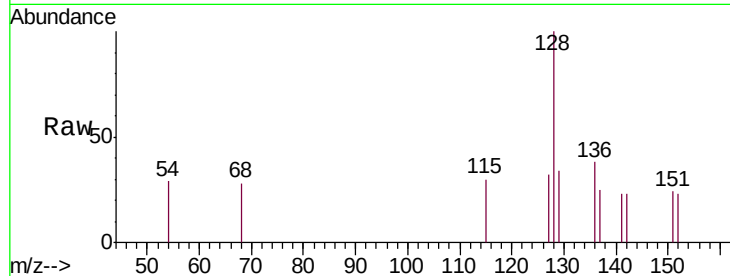
#3
Naphthalene
Concen: 0.031 ng/uL
RT: 10.44 min Scan# 2979
Delta R.T. -0.02 min
Lab File: BM022004.D
Acq: 10 Aug 2019 19:31

Instrument :
BNA_M
ClientSampled :
BENX2

Tgt Ion:	128	Resp:	304
Ion Ratio	Lower	Upper	
128	100		
129	34.2	12.3	18.5#
127	32.4	13.0	19.6#

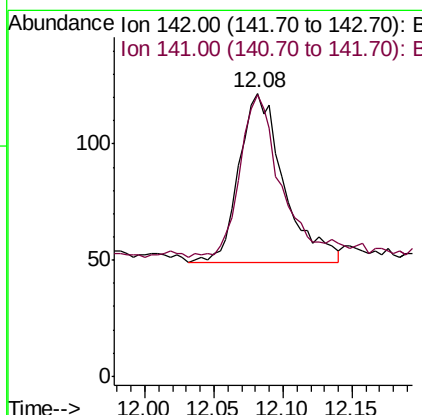
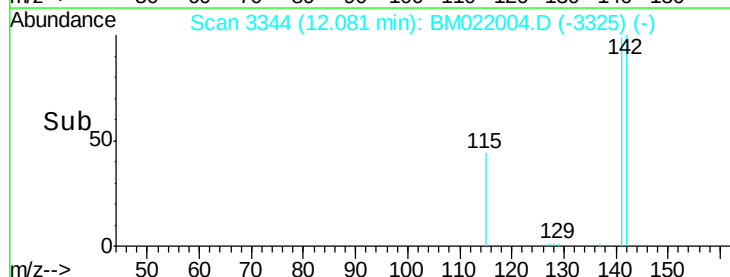
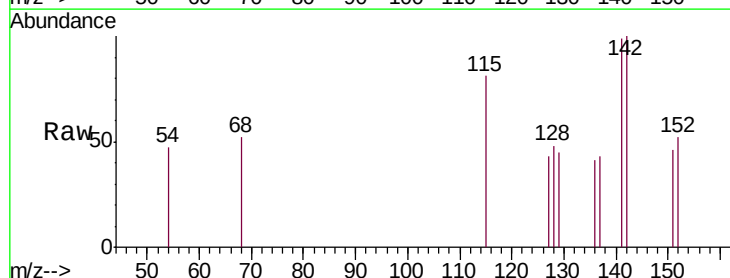
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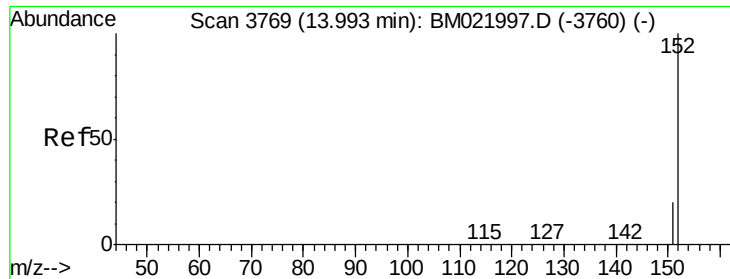
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#5
2-Methylnaphthalene
Concen: 0.025 ng/uL
RT: 12.08 min Scan# 3344
Delta R.T. -0.02 min
Lab File: BM022004.D
Acq: 10 Aug 2019 19:31

Tgt Ion:	142	Resp:	164
Ion Ratio	Lower	Upper	
142	100		
141	95.7	74.3	111.5





#7

Acenaphthylene

Concen: 0.090 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM022004.D

Acq: 10 Aug 2019 19:31

Instrument :

BNA_M

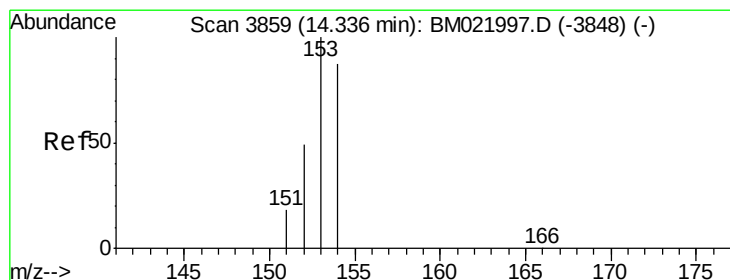
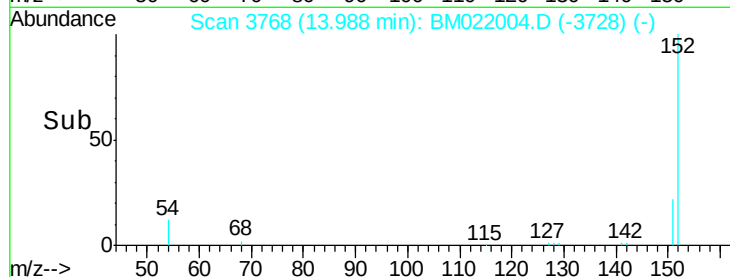
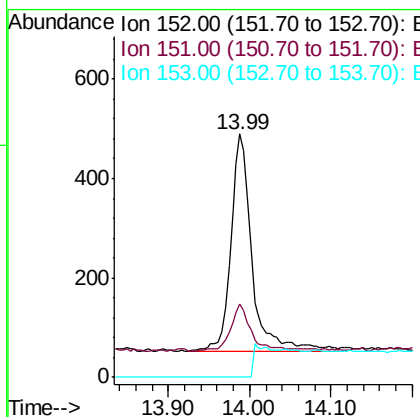
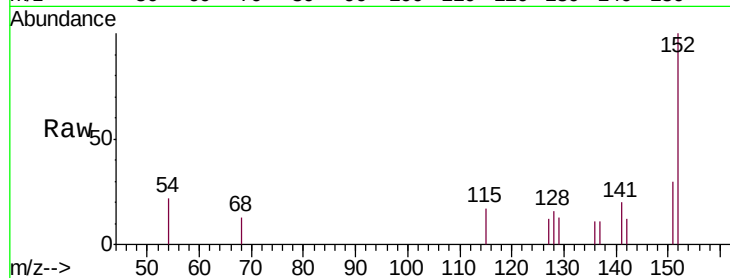
ClientSampleId :

BENX2

Tgt Ion:	152	Resp:	754
Ion Ratio	Lower	Upper	
152	100		
151	30.2	18.3	27.5#
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.083 ng/ul

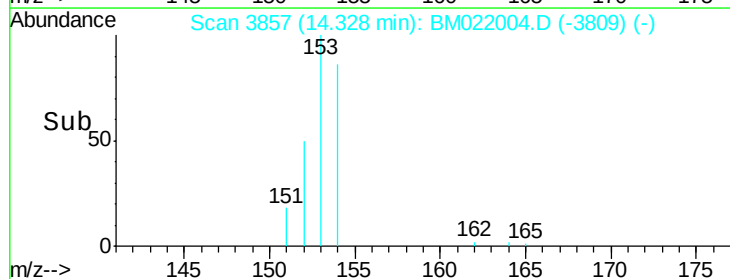
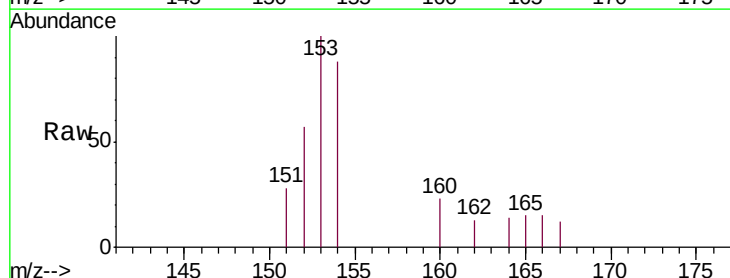
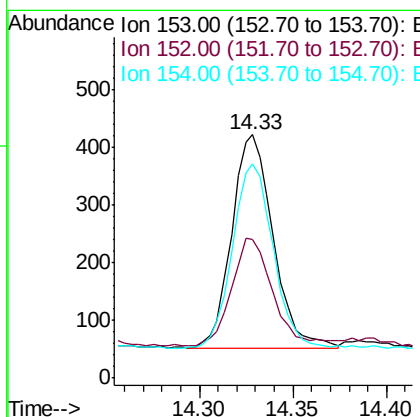
RT: 14.33 min Scan# 3857

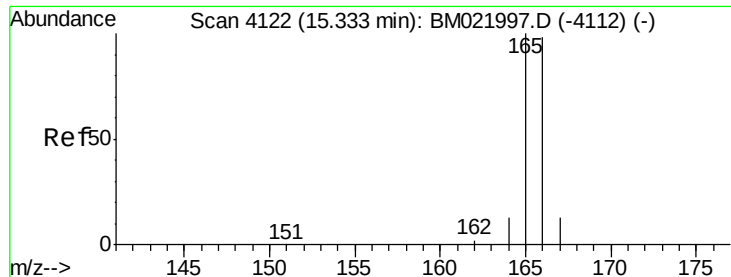
Delta R.T. -0.02 min

Lab File: BM022004.D

Acq: 10 Aug 2019 19:31

Tgt Ion:	153	Resp:	568
Ion Ratio	Lower	Upper	
153	100		
152	56.9	41.3	61.9
154	87.9	72.3	108.5





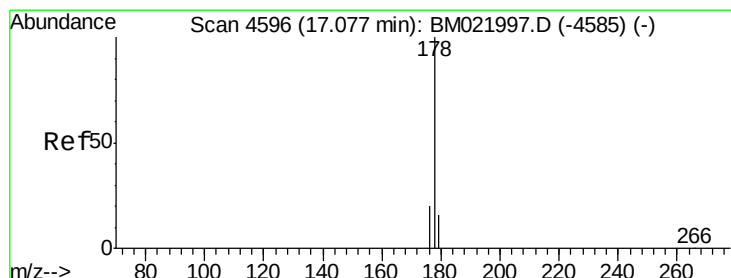
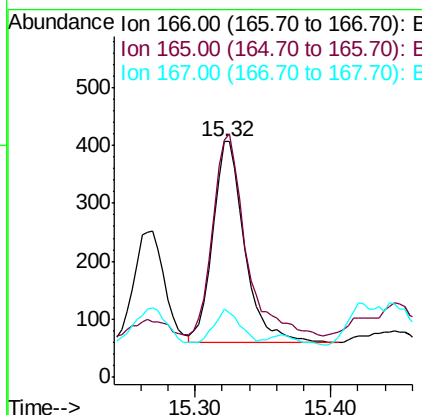
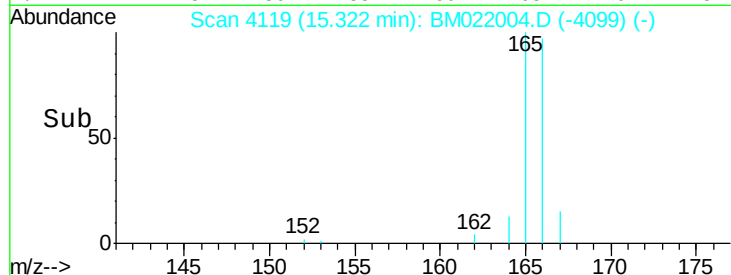
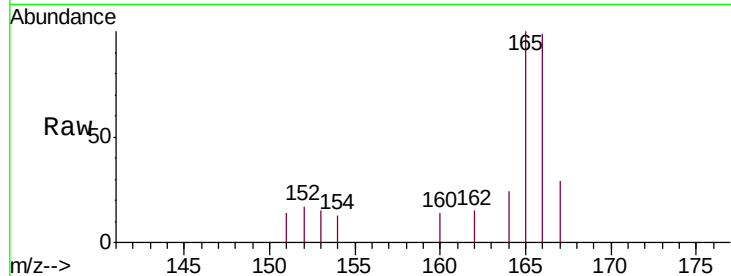
#9
Fluorene
 Concen: 0.074 ng/ul
 RT: 15.32 min Scan# 4119
 Delta R.T. -0.02 min
 Lab File: BM022004.D
 Acq: 10 Aug 2019 19:31

Instrument :
 BNA_M
 ClientSampleId :
 BENX2

Tgt Ion:	166	Resp:	565
Ion	Ratio	Lower	Upper
166	100		
165	100.7	81.4	122.0
167	29.1	13.7	20.5#

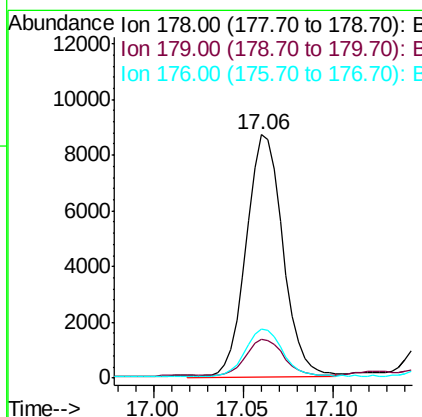
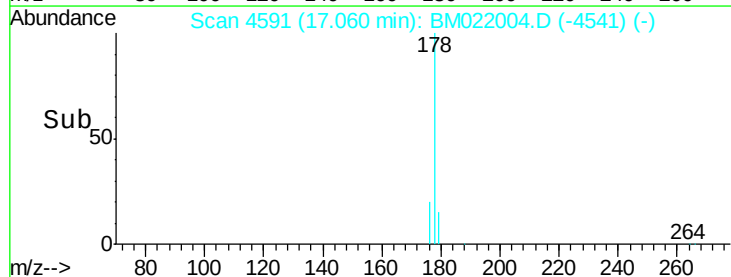
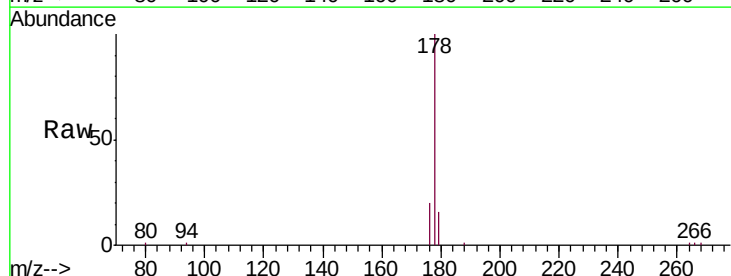
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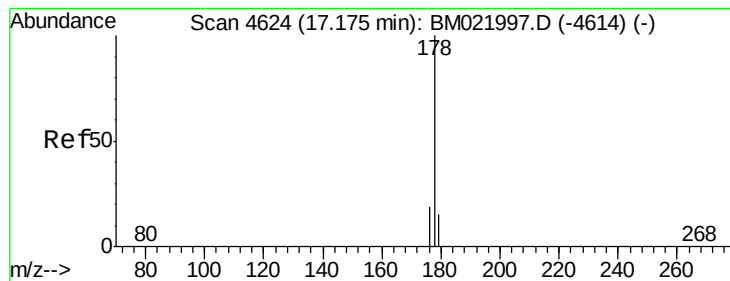
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#12
Phenanthrene
 Concen: 1.028 ng/ul m
 RT: 17.06 min Scan# 4591
 Delta R.T. -0.03 min
 Lab File: BM022004.D
 Acq: 10 Aug 2019 19:31

Tgt Ion:	178	Resp:	12453
Ion	Ratio	Lower	Upper
178	100		
179	15.8	14.2	21.2
176	20.2	16.8	25.2





#13

Anthracene

Concen: 0.346 ng/ul m

RT: 17.15 min Scan# 4618

Delta R.T. -0.03 min

Lab File: BM022004.D

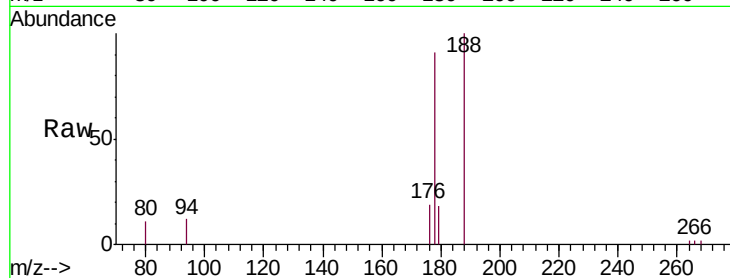
Acq: 10 Aug 2019 19:31

Instrument :

BNA_M

ClientSampleId :

BENX2



Tgt Ion:178 Resp: 3574

Ion Ratio Lower Upper

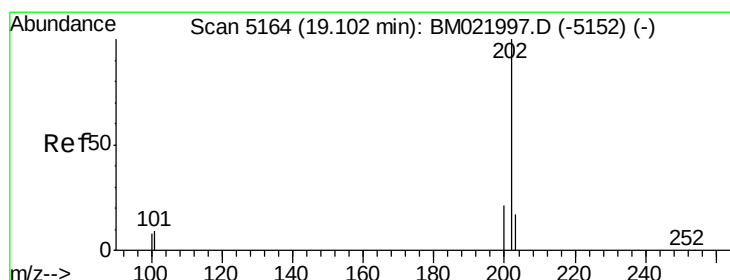
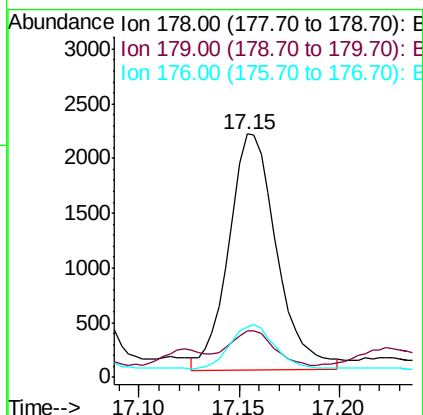
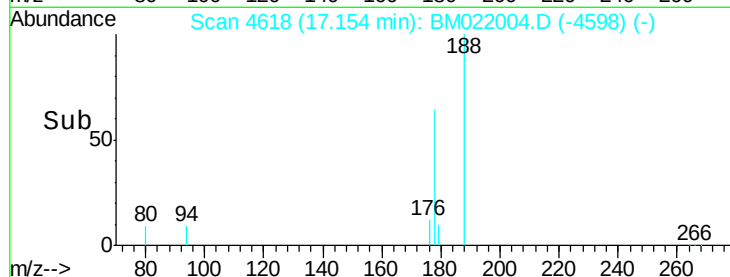
178 100

179 19.2 15.5 23.3

176 20.6 16.6 25.0

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#15

Fluoranthene

Concen: 1.750 ng/ul m

RT: 19.09 min Scan# 5160

Delta R.T. -0.02 min

Lab File: BM022004.D

Acq: 10 Aug 2019 19:31

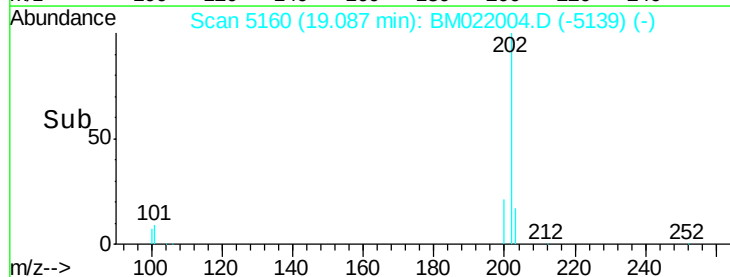
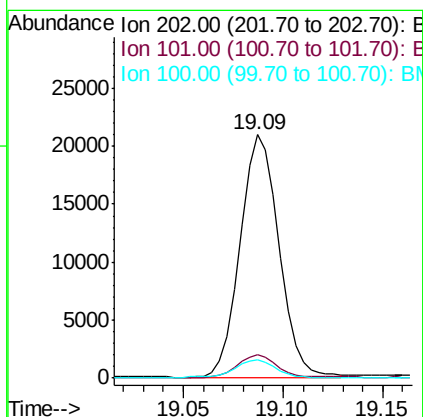
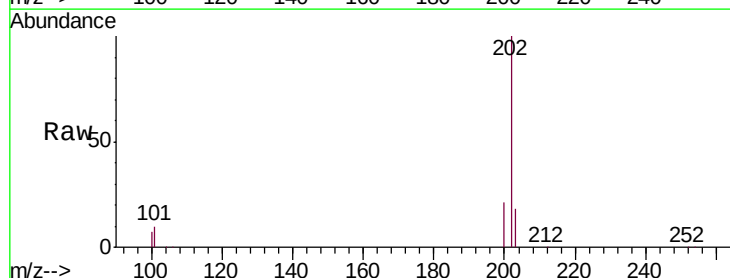
Tgt Ion:202 Resp: 28389

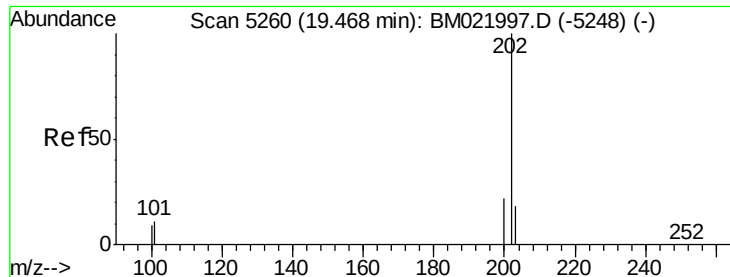
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

100 7.4 0.0 28.1





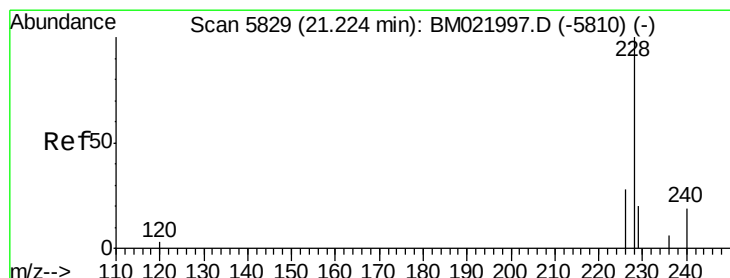
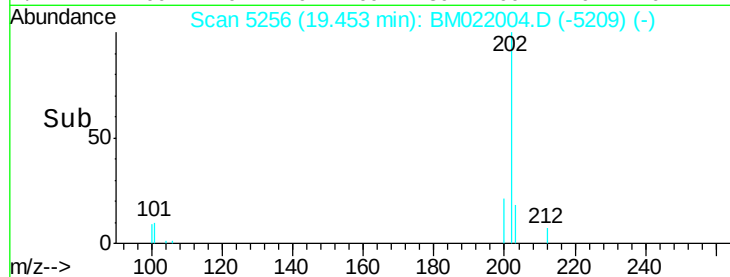
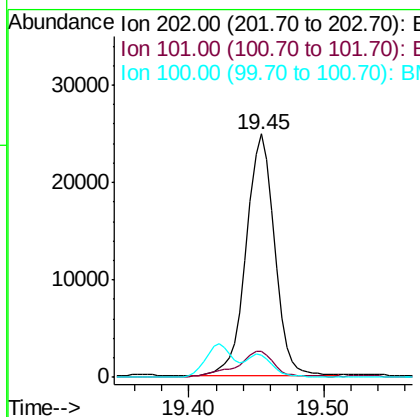
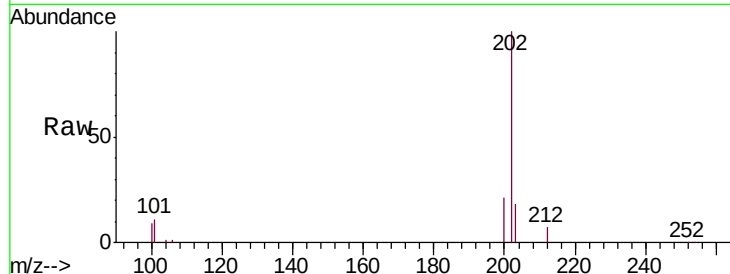
#17
Pyrene
Concen: 2.159 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.02 min
Lab File: BM022004.D
Acq: 10 Aug 2019 19:31

Instrument :
BNA_M
ClientSampleId :
BENX2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.8	8.3	12.5
100	9.1	7.2	10.8

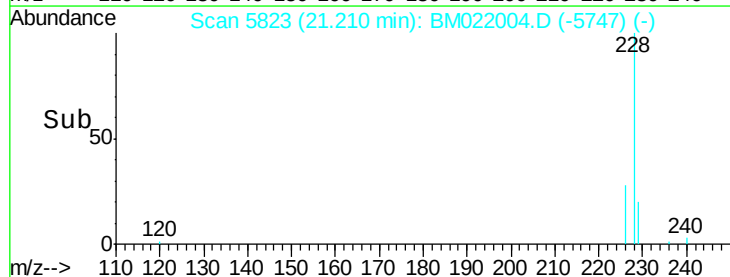
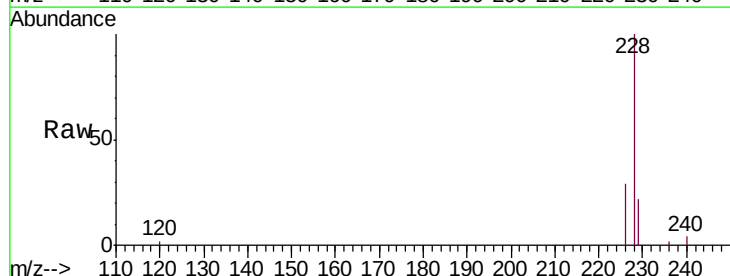
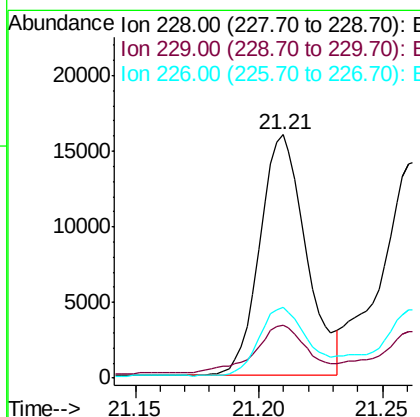
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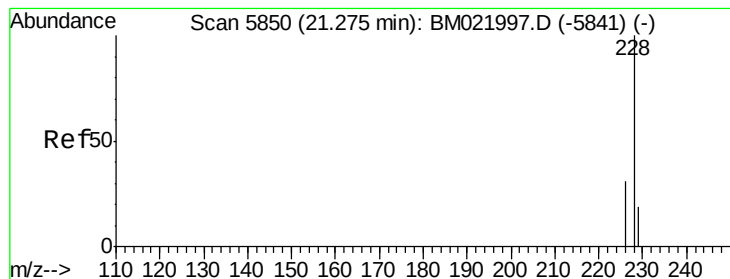
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#18
Benzo(a)anthracene
Concen: 1.437 ng/ul m
RT: 21.21 min Scan# 5823
Delta R.T. -0.02 min
Lab File: BM022004.D
Acq: 10 Aug 2019 19:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.7	17.2	25.8
226	28.9	22.6	34.0





#19

Chrysene

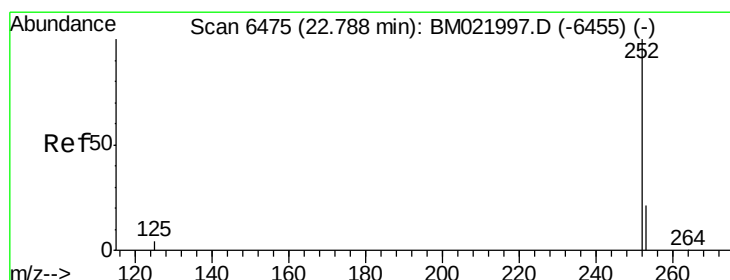
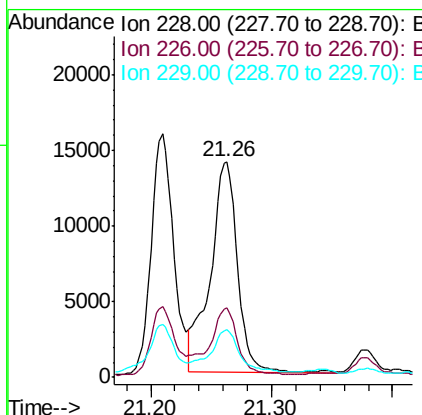
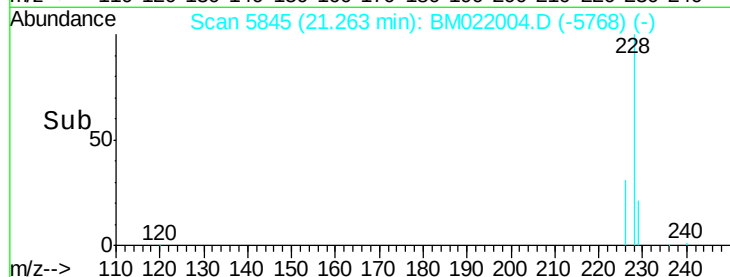
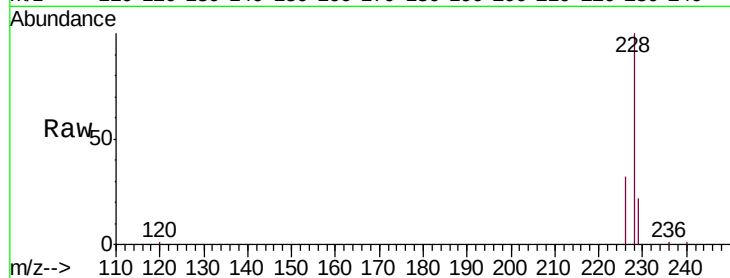
Concen: 1.186 ng/ul
 RT: 21.26 min Scan# 5845
 Delta R.T. -0.01 min
 Lab File: BM022004.D
 Acq: 10 Aug 2019 19:31

Instrument :
 BNA_M
 ClientSampleId :
 BENX2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	21.9	16.6	25.0

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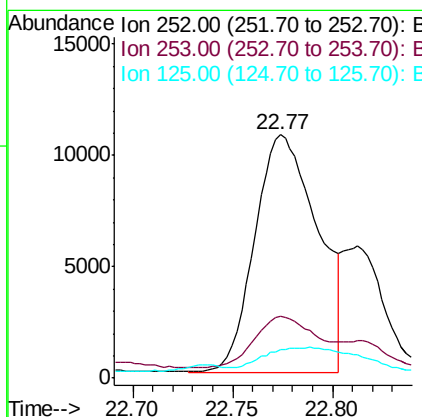
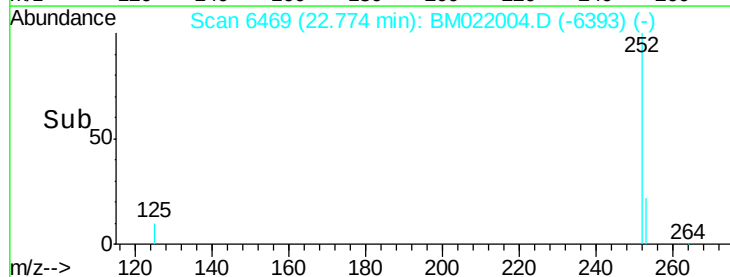
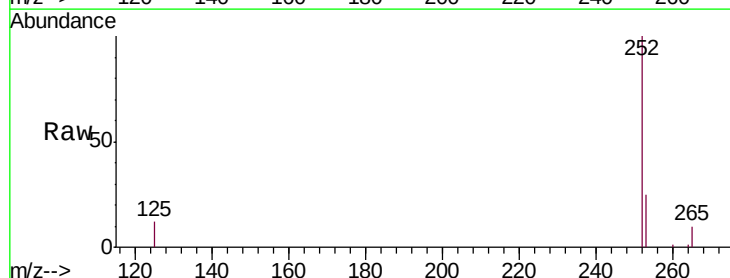


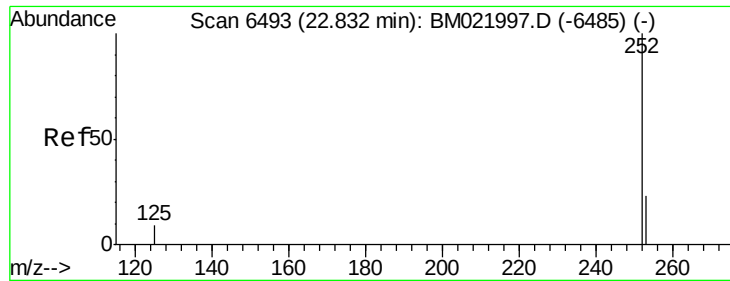
#21

Benzo(b)fluoranthene

Concen: 1.753 ng/ul m
 RT: 22.77 min Scan# 6469
 Delta R.T. -0.02 min
 Lab File: BM022004.D
 Acq: 10 Aug 2019 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	0.0	67.4
125	11.6	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.554 ng/ul m

RT: 22.81 min Scan# 6485

Delta R.T. -0.02 min

Lab File: BM022004.D

Acq: 10 Aug 2019 19:31

Instrument :

BNA_M

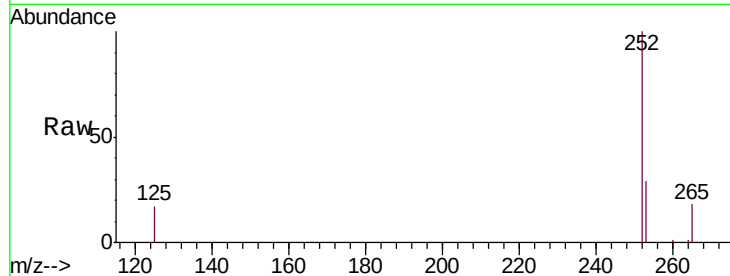
ClientSampleId :

BENX2

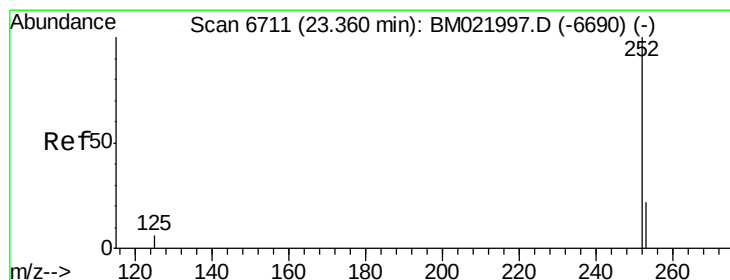
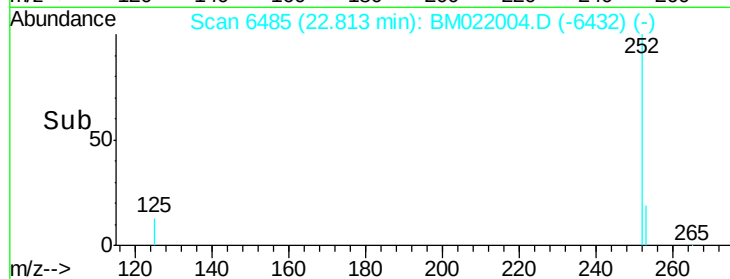
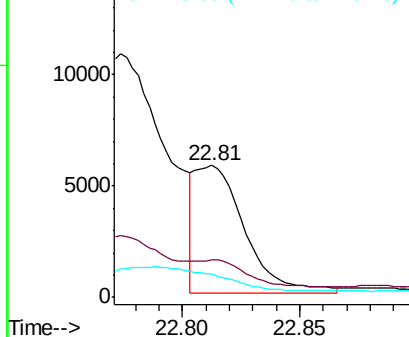
Tgt Ion:	252	Resp:	8423
Ion Ratio	Lower	Upper	
252	100		
253	28.7	27.0	40.4
125	17.3	12.2	18.2

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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: 1.379 ng/ul m

RT: 23.34 min Scan# 6701

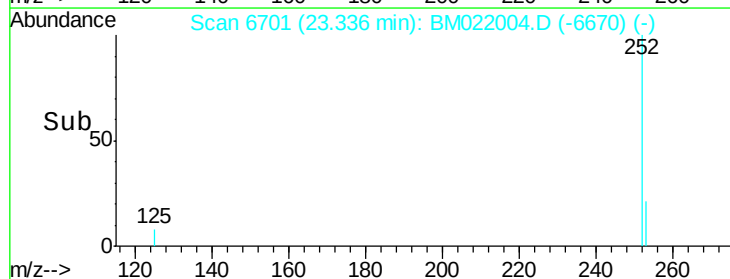
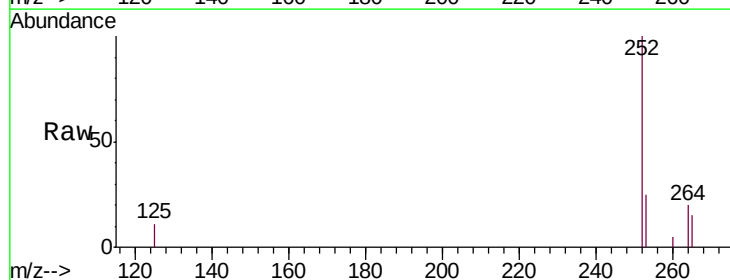
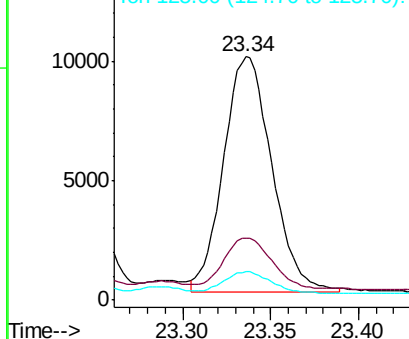
Delta R.T. -0.02 min

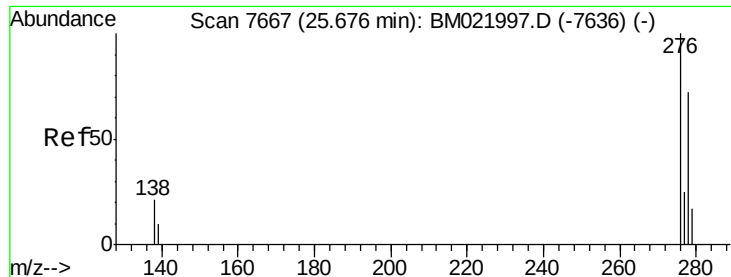
Lab File: BM022004.D

Acq: 10 Aug 2019 19:31

Tgt Ion:	252	Resp:	18828
Ion Ratio	Lower	Upper	
252	100		
253	25.4	31.7	47.5#
125	11.5	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





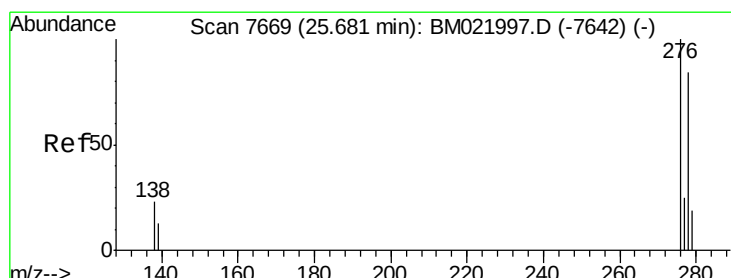
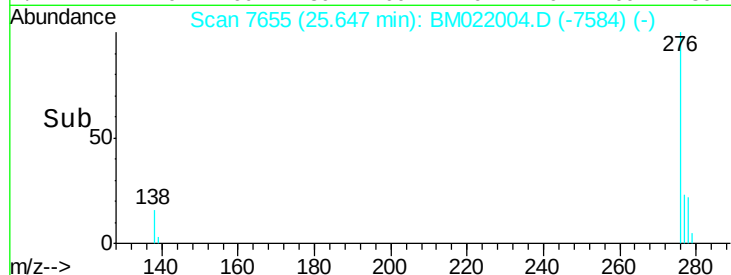
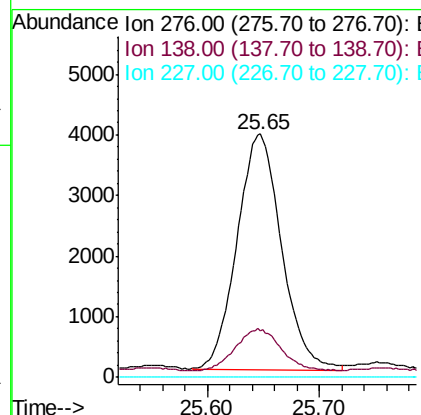
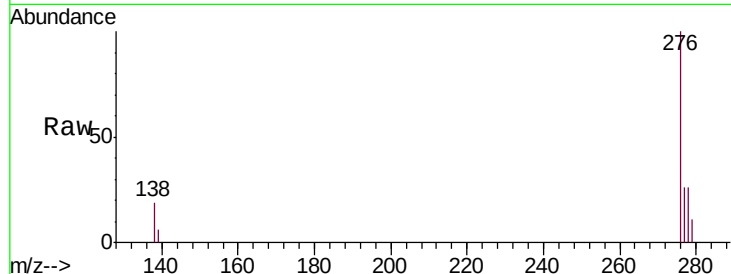
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.661 ng/ul m
 RT: 25.65 min Scan# 7655
 Delta R.T. -0.03 min
 Lab File: BM022004.D
 Acq: 10 Aug 2019 19:31

Instrument :
 BNA_M
 ClientSampleId :
 BENX2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.9	15.1	22.7#
227	0.0	0.0	0.0

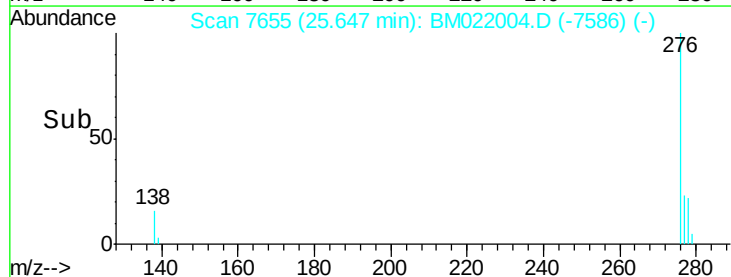
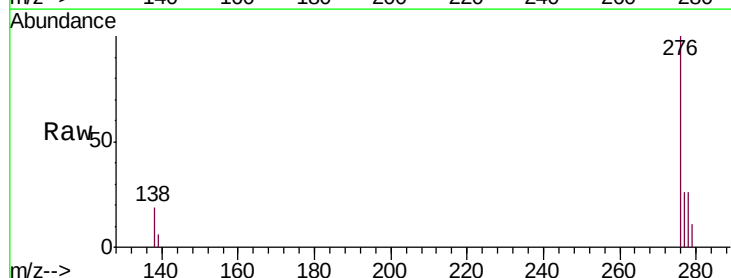
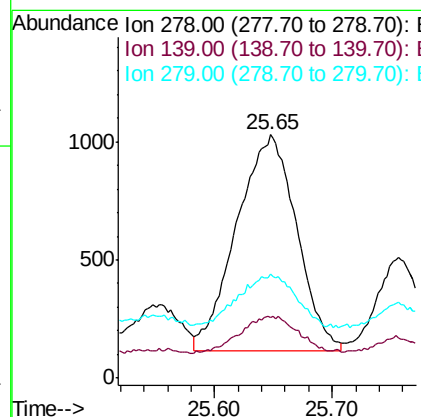
Manual Integrations
 APPROVED

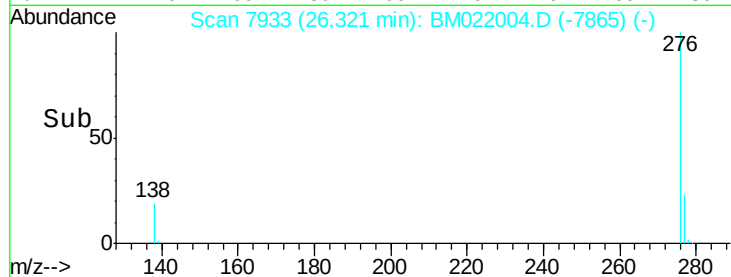
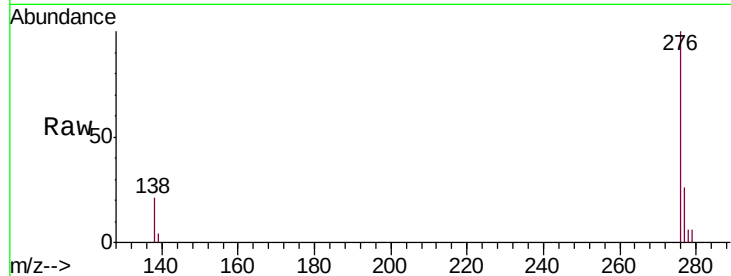
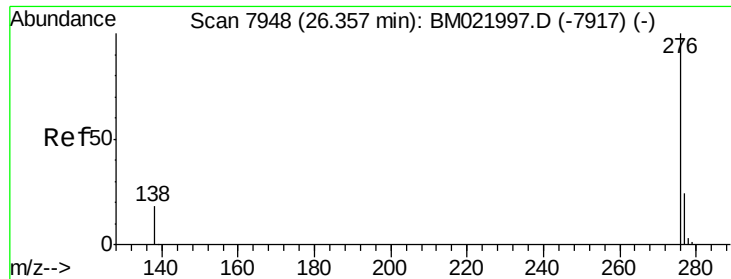
Sohil
 8/13/2019 8:46:30 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.246 ng/ul m
 RT: 25.65 min Scan# 7655
 Delta R.T. -0.03 min
 Lab File: BM022004.D
 Acq: 10 Aug 2019 19:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	14.2	21.2#
279	42.5	28.3	42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.751 ng/ul m

RT: 26.32 min Scan# 7933

Delta R.T. -0.04 min

Lab File: BM022004.D

Acq: 10 Aug 2019 19:31

Instrument :

BNA_M

ClientSampleId :

BENX2

Tgt Ion:	276	Resp:	11018
Ion Ratio	Lower	Upper	
276	100		
138	20.8	15.5	23.3
277	25.6	21.4	32.2

Manual Integrations
APPROVED

Sohil
8/13/2019 8:46:30 AM

