

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021908.D
 Acq On : 07 Aug 2019 22:32
 Operator : HP/JU
 Sample : K3893-14DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEP18DL

Manual Integrations
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mohammad
 8/9/2019 6:10:56 AM

Quant Time: Aug 08 05:41:45 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 : Thu Aug 08 04:39:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	824	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3521	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	1997	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4516	0.40	ng/ul	-0.01
16) Chrysene-d12	21.23	240	4668	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5685	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	113	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	309	0.02	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.47	128	784	0.079	ng/ul#	82
5) 2-Methylnaphthalene	12.09	142	490	0.074	ng/ul	96
7) Acenaphthylene	14.00	152	2312	0.248	ng/ul#	84
8) Acenaphthene	14.34	153	369	0.048	ng/ul	91
9) Fluorene	15.34	166	527	0.062	ng/ul#	94
12) Phenanthrene	17.08	178	7983	0.608	ng/ul	98
13) Anthracene	17.17	178	2705	0.241	ng/ul	95
15) Fluoranthene	19.10	202	20008	1.137	ng/ul	98
17) Pyrene	19.46	202	17148	0.894	ng/ul	99
18) Benzo(a)anthracene	21.22	228	10602	0.635	ng/ul	93
19) Chrysene	21.27	228	12005	0.559	ng/ul	95
21) Benzo(b)fluoranthene	22.79	252	18779m	0.980	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	7371m	0.340	ng/ul	
23) Benzo(a)pyrene	23.35	252	12496	0.641	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.67	276	12223	0.525	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.67	278	2728	0.145	ng/ul#	46
26) Benzo(a,h,i)perylene	26.35	276	13221	0.631	ng/ul	100

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

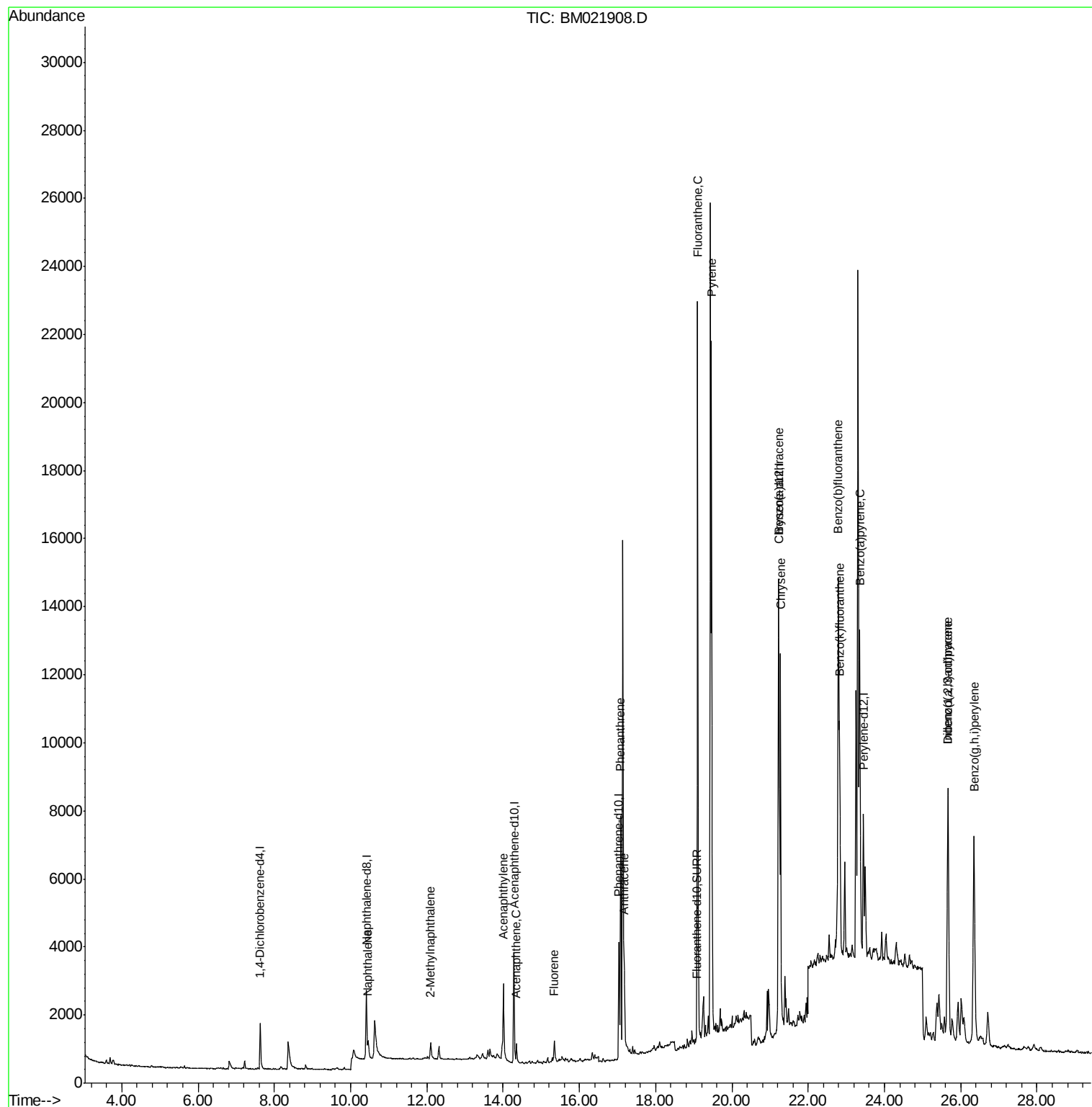
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021908.D
Acq On : 07 Aug 2019 22:32
Operator : HP/JU
Sample : K3893-14DL 10X
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ALS Vial : 18 Sample Multiplier: 1

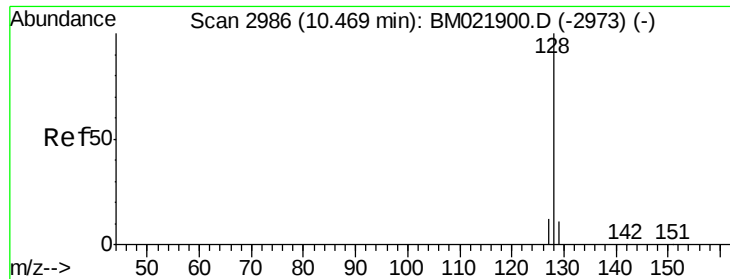
Instrument :
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BEP18DL

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Quant Time: Aug 08 05:41:45 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.079 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.00 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

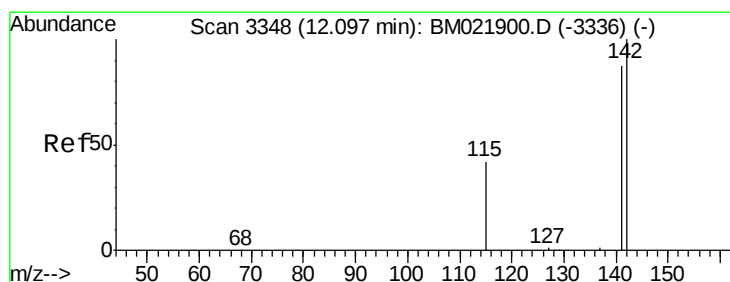
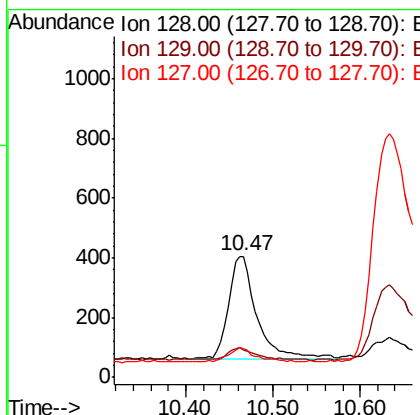
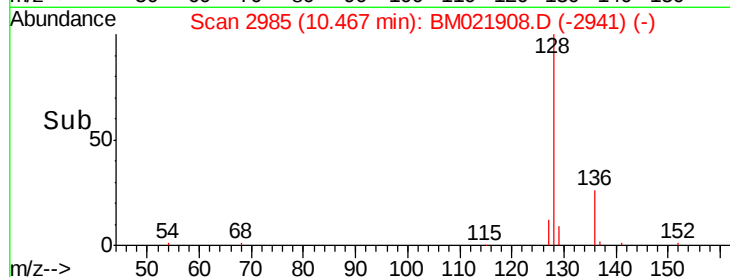
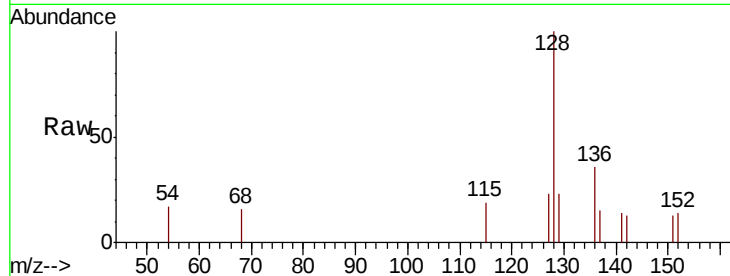
ClientSampled :

BEP18DL

Tot Ion:	128	Resp:	784
Ion	Ratio	Lower	Upper
128	100		
129	23.2	12.3	18.5#
127	23.5	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.074 ng/ul

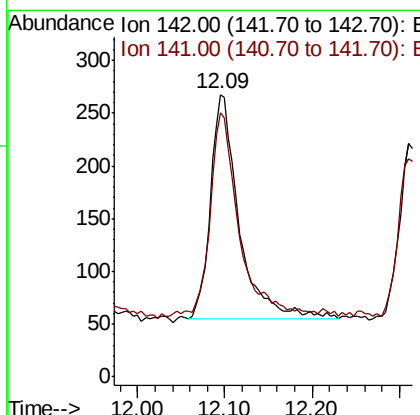
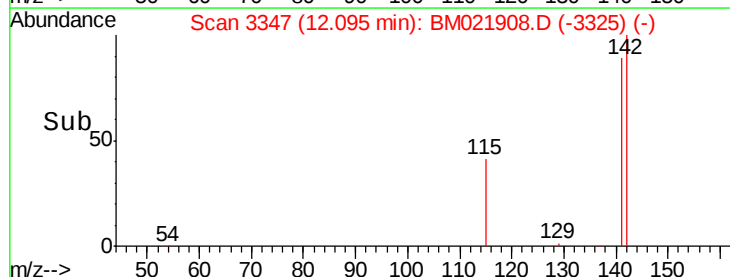
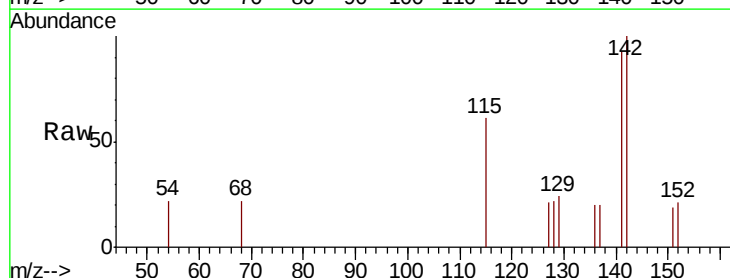
RT: 12.09 min Scan# 3347

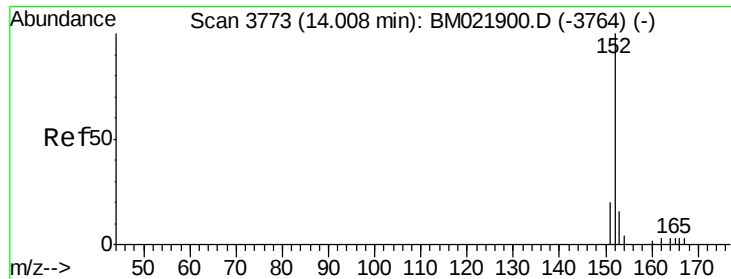
Delta R.T. -0.00 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Tgt Ion:	142	Resp:	490
Ion	Ratio	Lower	Upper
142	100		
141	89.4	74.3	111.5





#7

Acenaphthylene

Concen: 0.248 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

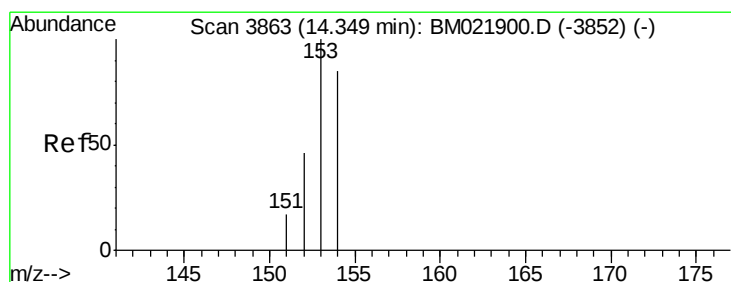
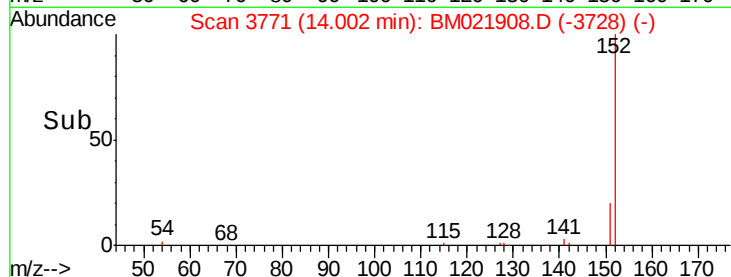
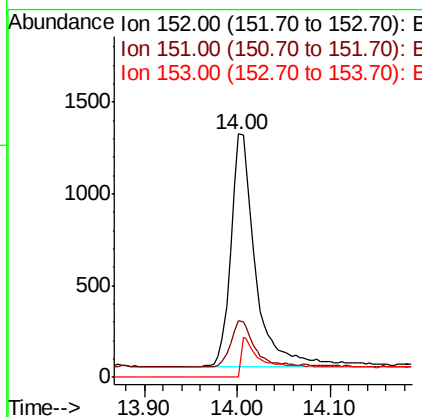
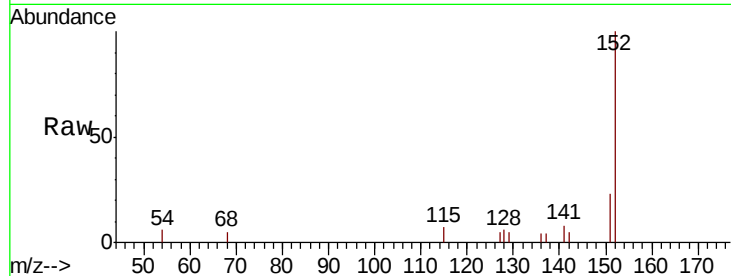
ClientSampleId :

BEP18DL

Tot Ion:	152	Resp:	2312
Ion Ratio	Lower	Upper	
152	100		
151	23.1	18.3	27.5
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.048 ng/ul

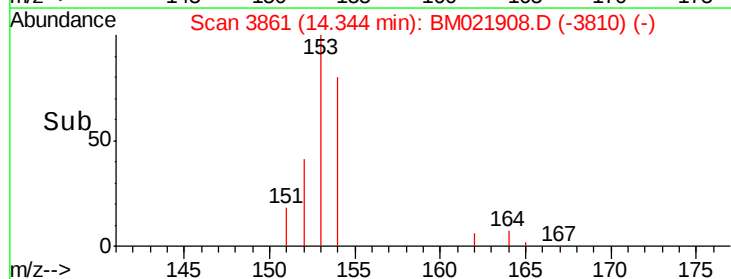
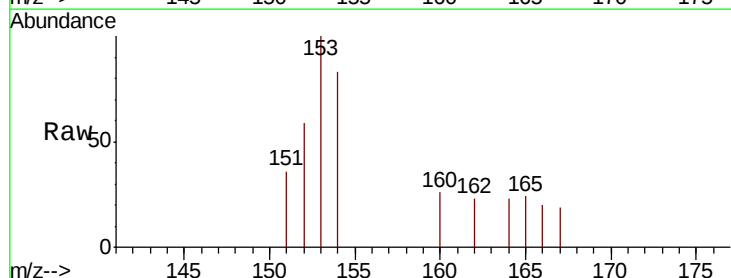
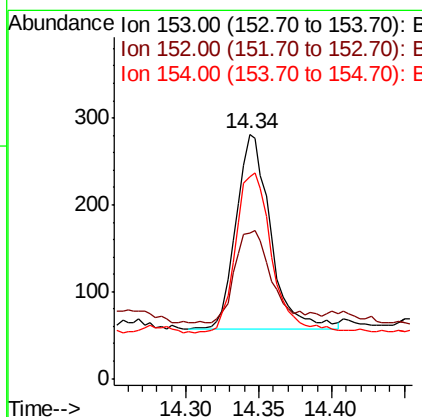
RT: 14.34 min Scan# 3861

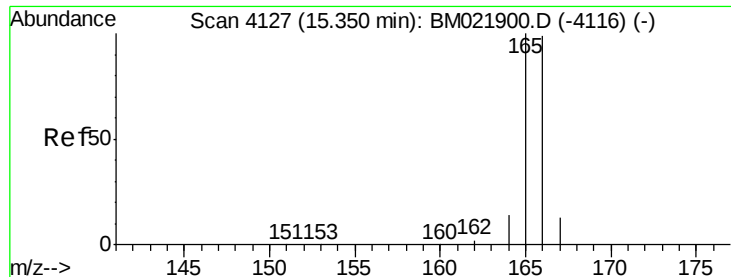
Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Tgt Ion:	153	Resp:	369
Ion Ratio	Lower	Upper	
153	100		
152	59.4	41.3	61.9
154	82.9	72.3	108.5





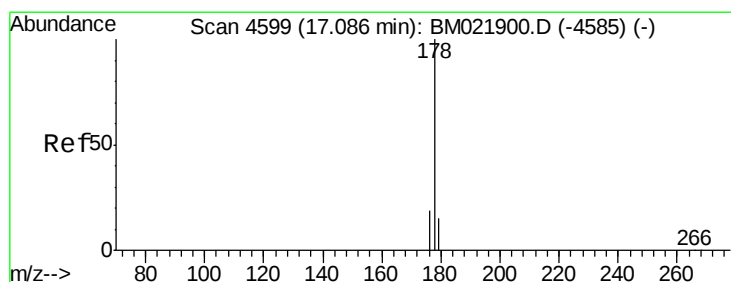
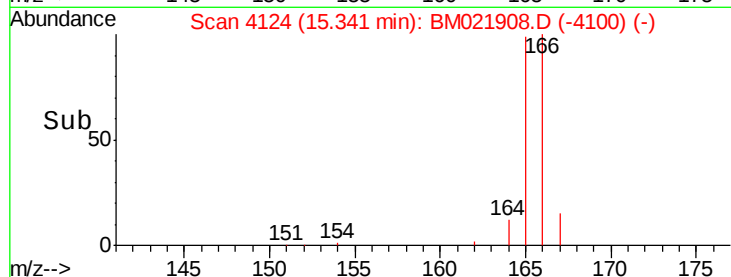
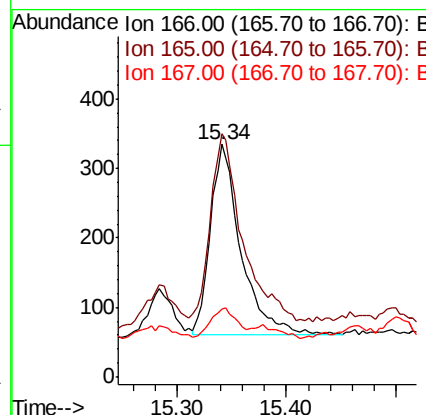
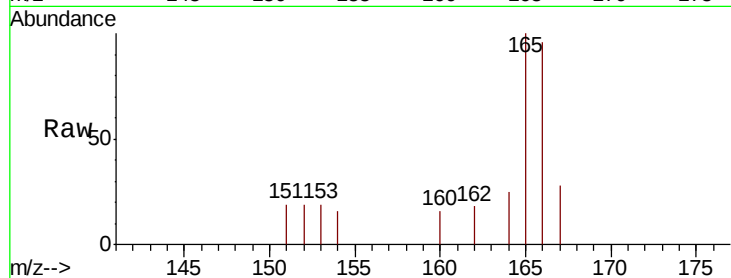
#9
Fluorene
 Concen: 0.062 ng/ul
 RT: 15.34 min Scan# 4124
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

Instrument :
 BNA_M
 ClientSampleId :
 BEP18DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.5	81.4	122.0
167	29.0	13.7	20.5

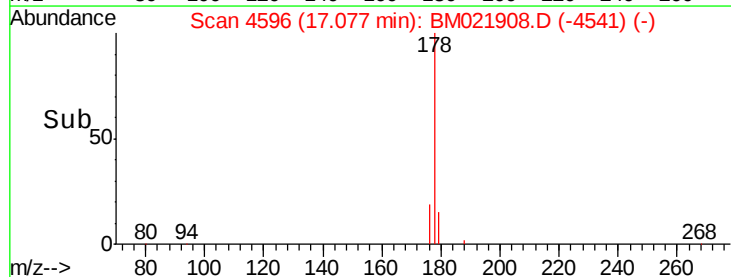
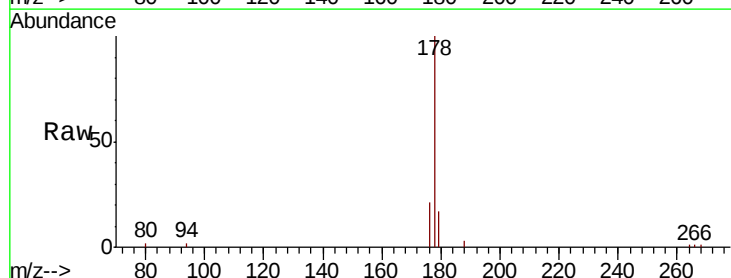
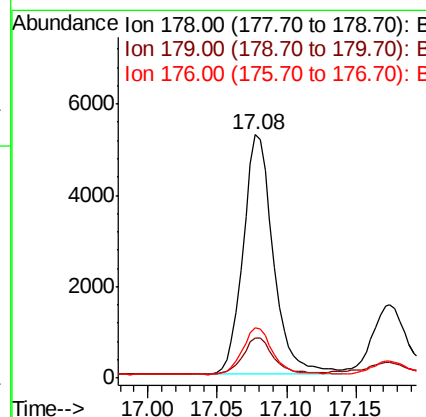
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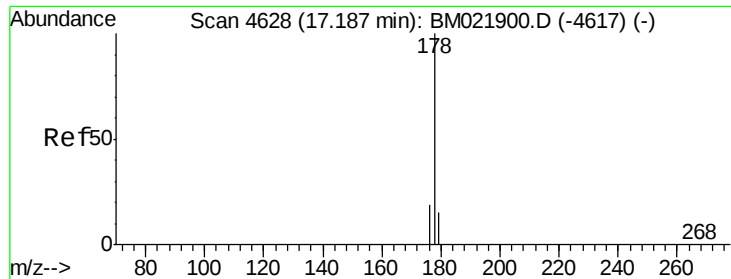
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#12
Phenanthrene
 Concen: 0.608 ng/ul
 RT: 17.08 min Scan# 4596
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	14.2	21.2
176	20.7	16.8	25.2





#13

Anthracene

Concen: 0.241 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

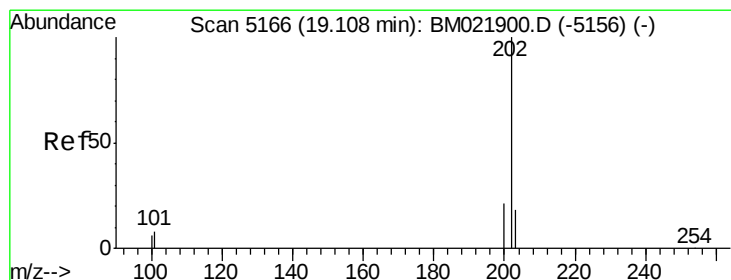
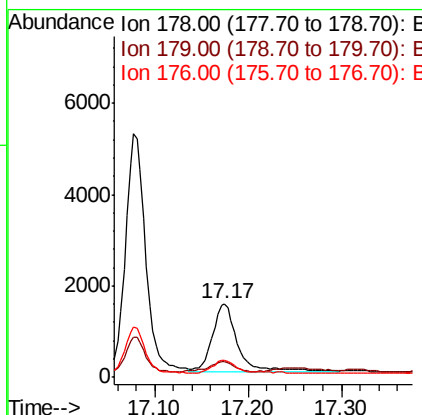
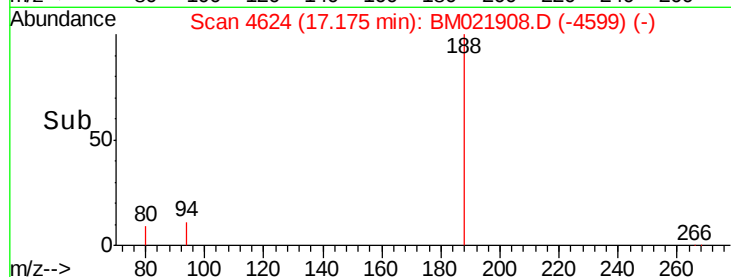
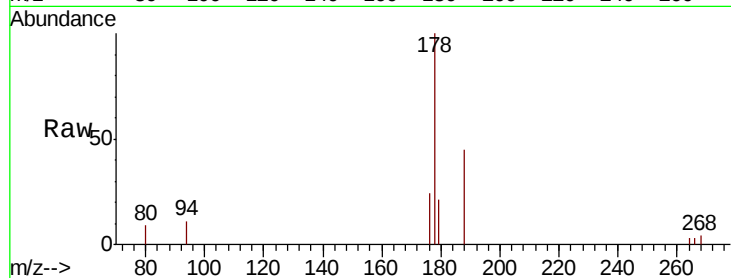
ClientSampleId :

BEP18DL

Tot Ion:	178	Resp:	2705
Ion Ratio	Lower	Upper	
178	100		
179	21.3	15.5	23.3
176	23.6	16.6	25.0

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#15

Fluoranthene

Concen: 1.137 ng/ul

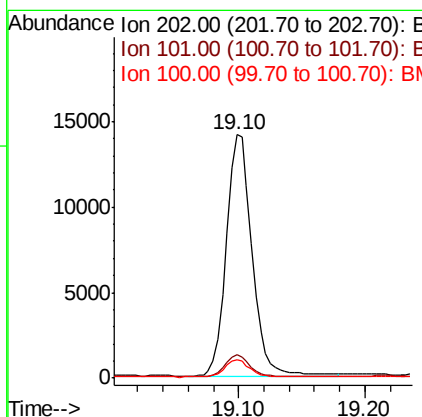
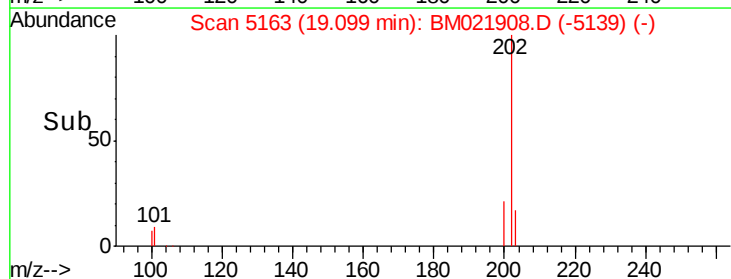
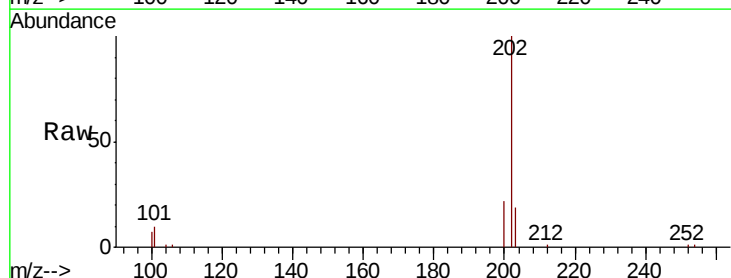
RT: 19.10 min Scan# 5163

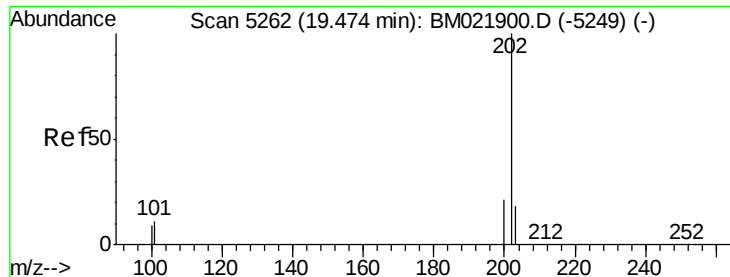
Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Tgt Ion:	202	Resp:	20008
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	30.2
100	7.5	0.0	28.1





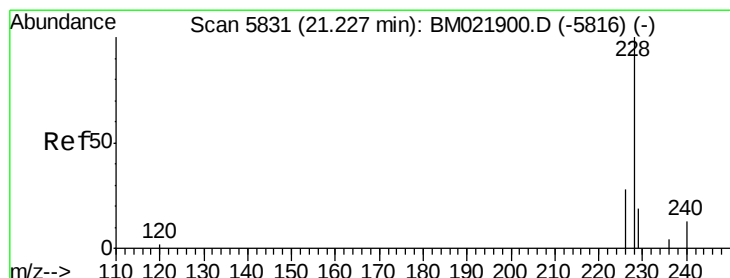
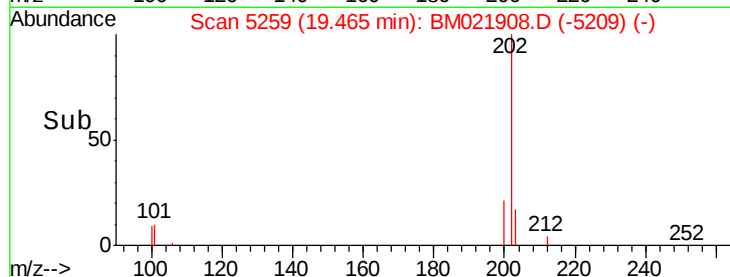
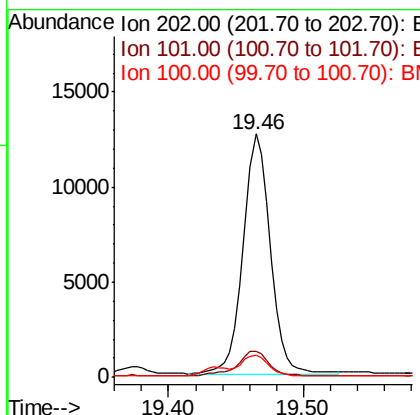
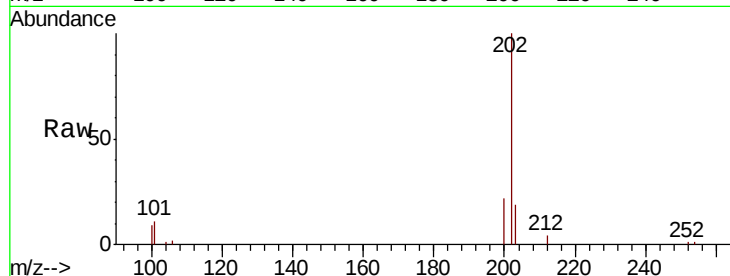
#17
Pvrene
Concen: 0.894 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021908.D
Acq: 07 Aug 2019 22:32

Instrument :
BNA_M
ClientSampleId :
BEP18DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.3	12.5
100	9.0	7.2	10.8

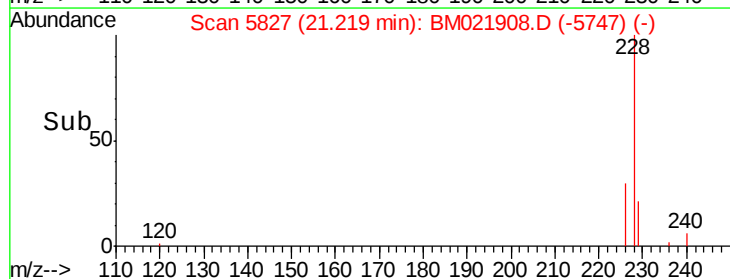
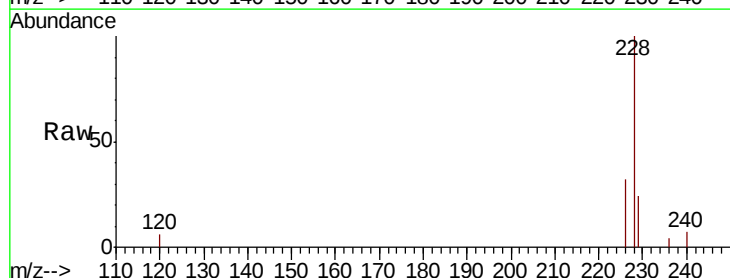
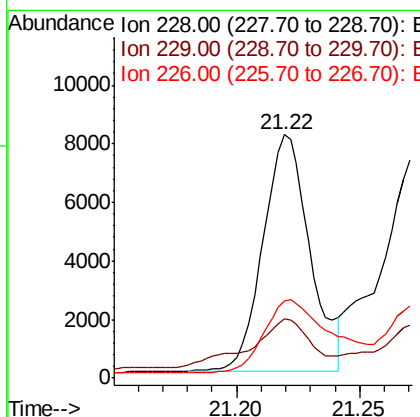
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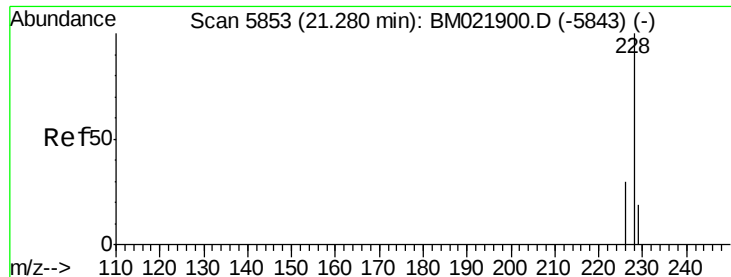
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#18
Benzo(a)anthracene
Concen: 0.635 ng/ul
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021908.D
Acq: 07 Aug 2019 22:32

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.4	17.2	25.8
226	32.0	22.6	34.0





#19

Chrysene

Concen: 0.559 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Instrument :

BNA_M

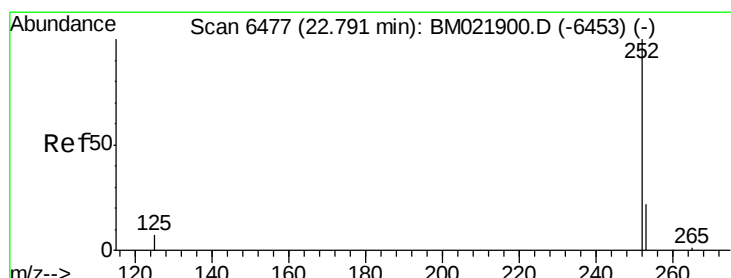
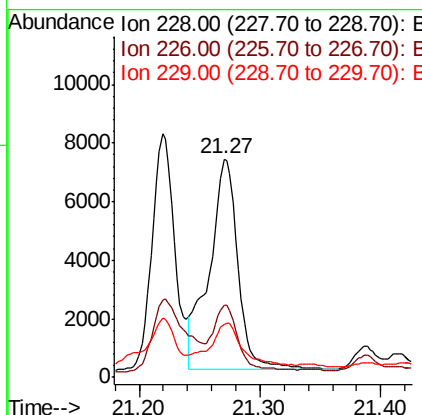
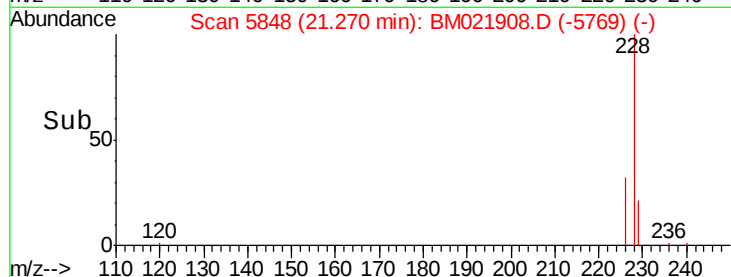
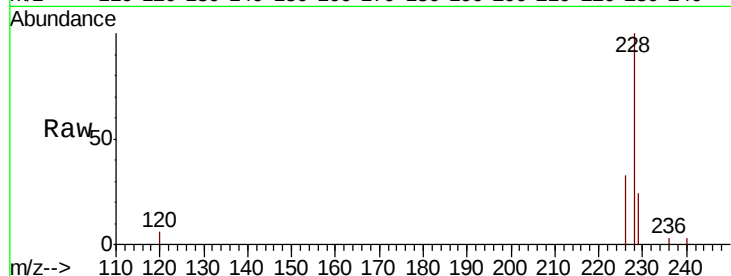
ClientSampled :

BEP18DL

Tot Ion:	228	Resp:	12005
Ion Ratio	Lower	Upper	
228	100		
226	33.1	24.9	37.3
229	24.3	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 0.980 ng/ul m

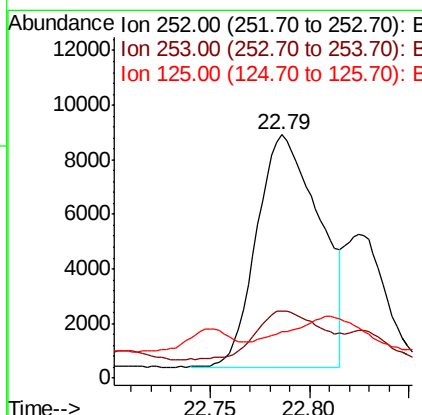
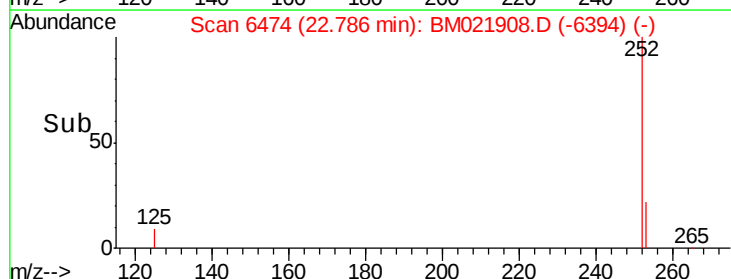
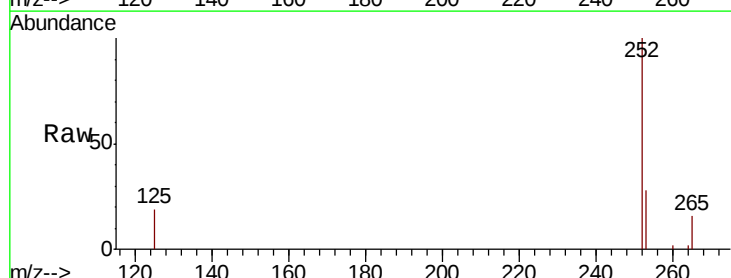
RT: 22.79 min Scan# 6474

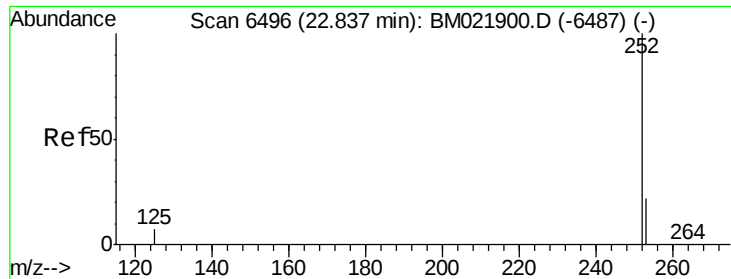
Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Tgt Ion:	252	Resp:	18779
Ion Ratio	Lower	Upper	
252	100		
253	27.6	0.0	67.4
125	19.1	0.0	31.0





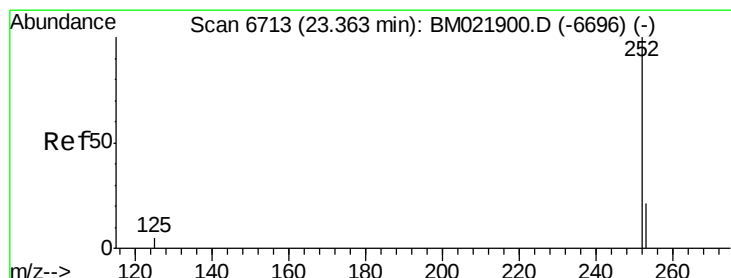
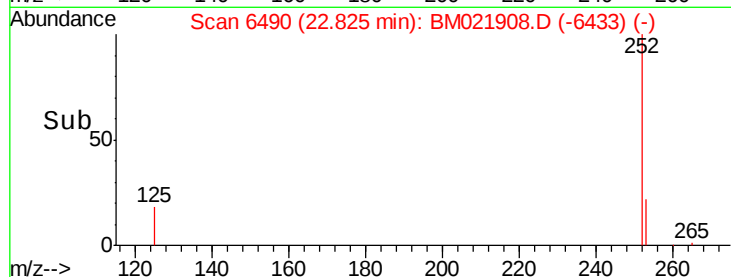
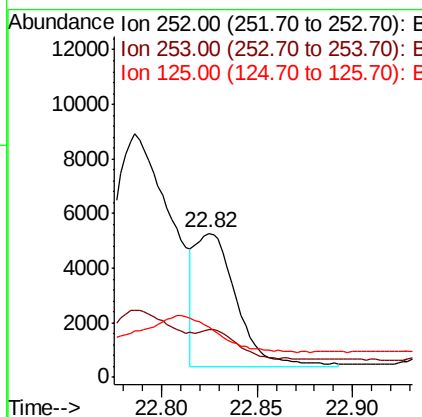
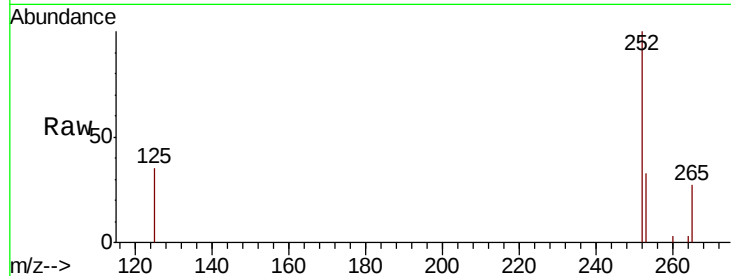
#22
Benzo(k)fluoranthene
Concen: 0.340 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.01 min
Lab File: BM021908.D
Acq: 07 Aug 2019 22:32

Instrument :
BNA_M
ClientSampleId :
BEP18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.2	27.0	40.4
125	34.8	12.2	18.2

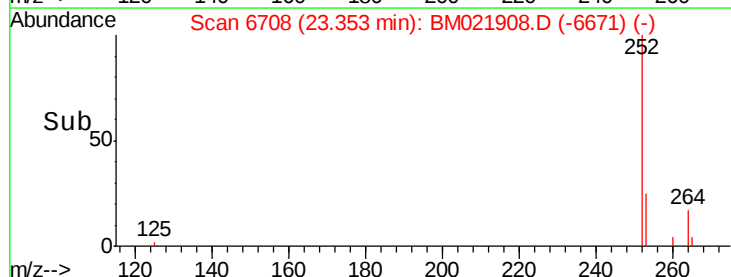
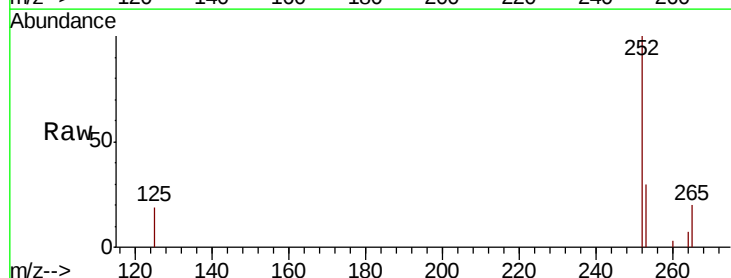
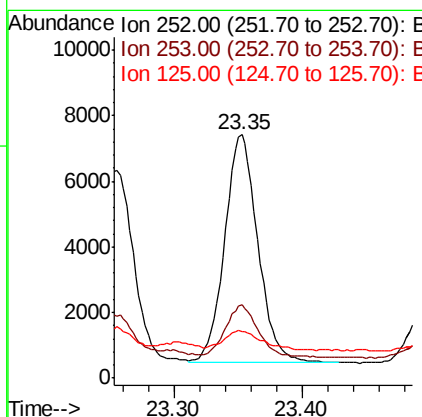
Manual Integrations
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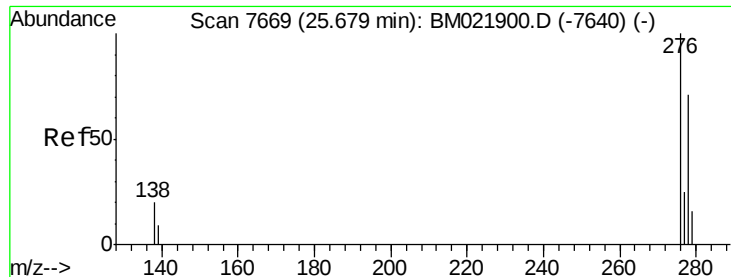
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#23
Benzo(a)pyrene
Concen: 0.641 ng/ul
RT: 23.35 min Scan# 6708
Delta R.T. -0.01 min
Lab File: BM021908.D
Acq: 07 Aug 2019 22:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	31.7	47.5
125	19.0	14.6	21.8





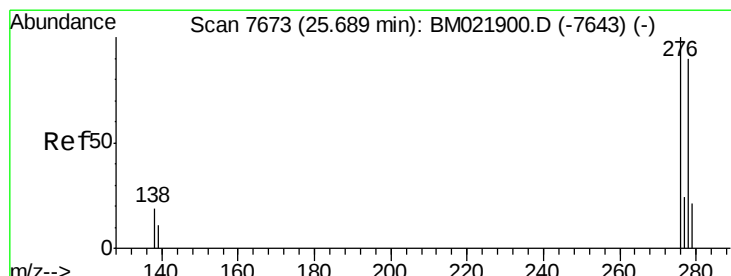
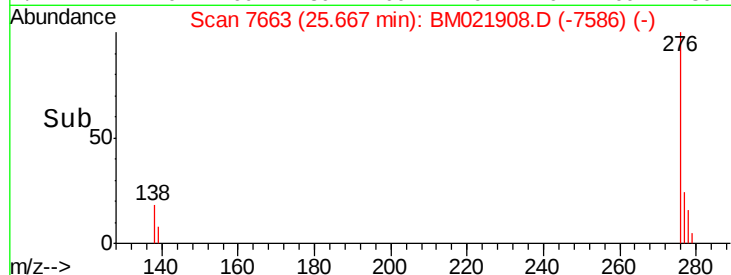
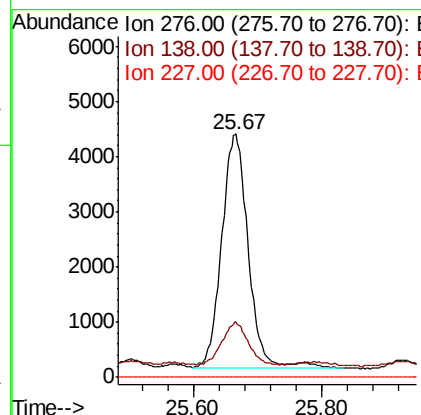
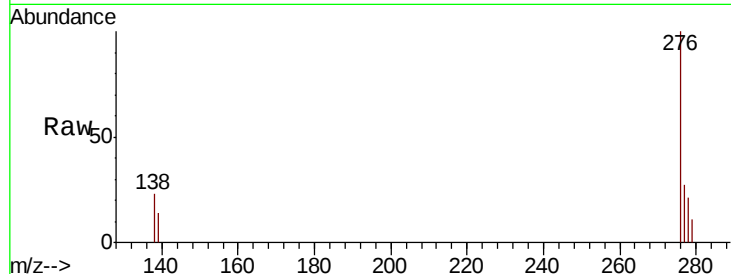
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.525 ng/ul
 RT: 25.67 min Scan# 7663
 Delta R.T. -0.01 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

Instrument :
 BNA_M
 ClientSampleId :
 BEP18DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.1	22.7
227	0.0	0.0	0.0

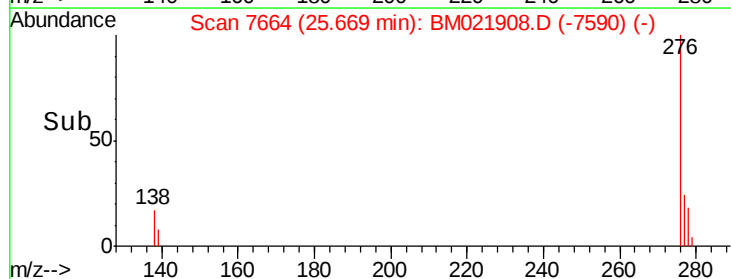
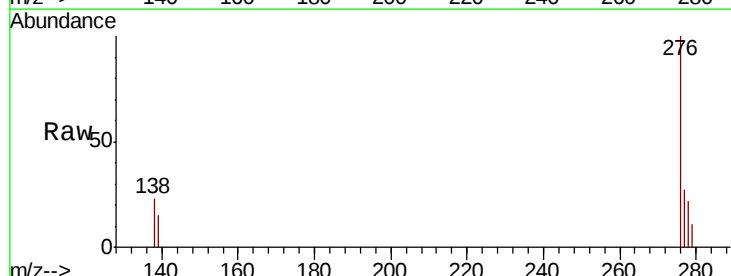
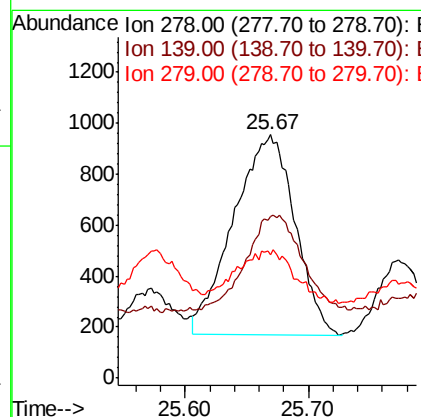
Manual Integrations
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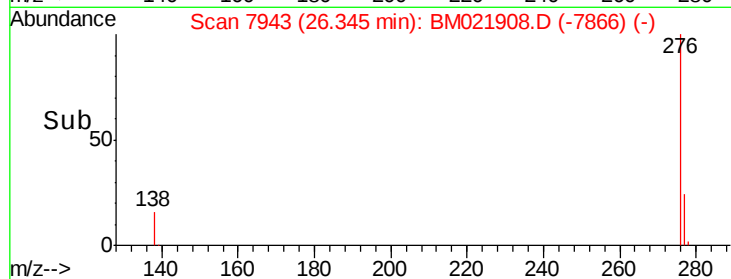
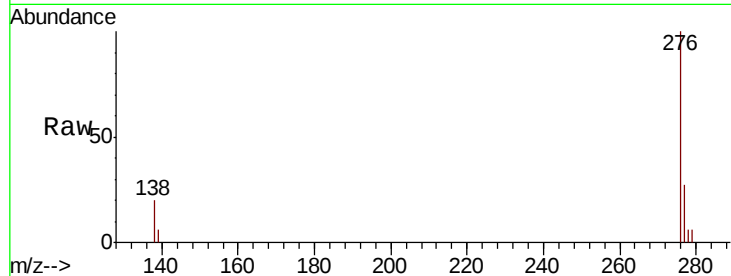
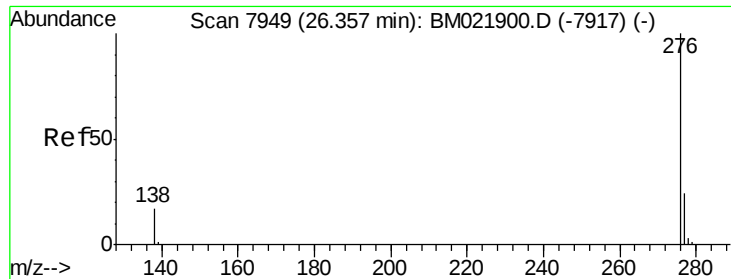
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.145 ng/ul
 RT: 25.67 min Scan# 7664
 Delta R.T. -0.02 min
 Lab File: BM021908.D
 Acq: 07 Aug 2019 22:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	66.2	14.2	21.2#
279	50.5	28.3	42.5#





#26

Benzo(a,h,i)perylene

Concen: 0.631 ng/ul

RT: 26.35 min Scan# 7943

Delta R.T. -0.01 min

Lab File: BM021908.D

Acq: 07 Aug 2019 22:32

Tot Ion:	276	Resp:	13221
Ion Ratio	Lower	Upper	
276	100		
138	19.7	15.5	23.3
277	26.7	21.4	32.2

Instrument :

BNA_M

ClientSampleId :

BEP18DL

Manual Integrations
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