

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021820.D
 Acq On : 04 Aug 2019 19:39
 Operator : HP/JU
 Sample : K3850-14DL 5X
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS1DL

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Quant Time: Aug 05 07:58:24 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 : Mon Aug 05 06:57:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	909	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3673	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	2075	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	4657	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4812	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	6944	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	149	0.02	ng/ul	0.01
14) Fluoranthene-d10	19.08	212	519	0.03	ng/ul	0.00
Target Compounds				Qvalue		
7) Acenaphthylene	14.01	152	459	0.047	ng/ul#	73
12) Phenanthrene	17.09	178	3051	0.225	ng/ul	97
13) Anthracene	17.18	178	630	0.055	ng/ul#	71
15) Fluoranthene	19.11	202	7493	0.413	ng/ul	99
17) Pyrene	19.48	202	6608	0.334	ng/ul	98
18) Benzo(a)anthracene	21.23	228	3996	0.232	ng/ul	93
19) Chrysene	21.28	228	4009	0.181	ng/ul	95
21) Benzo(b)fluoranthene	22.79	252	6333m	0.270	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	2578m	0.097	ng/ul	
23) Benzo(a)pyrene	23.36	252	3980	0.167	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.68	276	3391	0.119	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.68	278	747	0.033	ng/ul#	14
26) Benzo(g,h,i)perylene	26.37	276	3461	0.135	ng/ul#	90

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

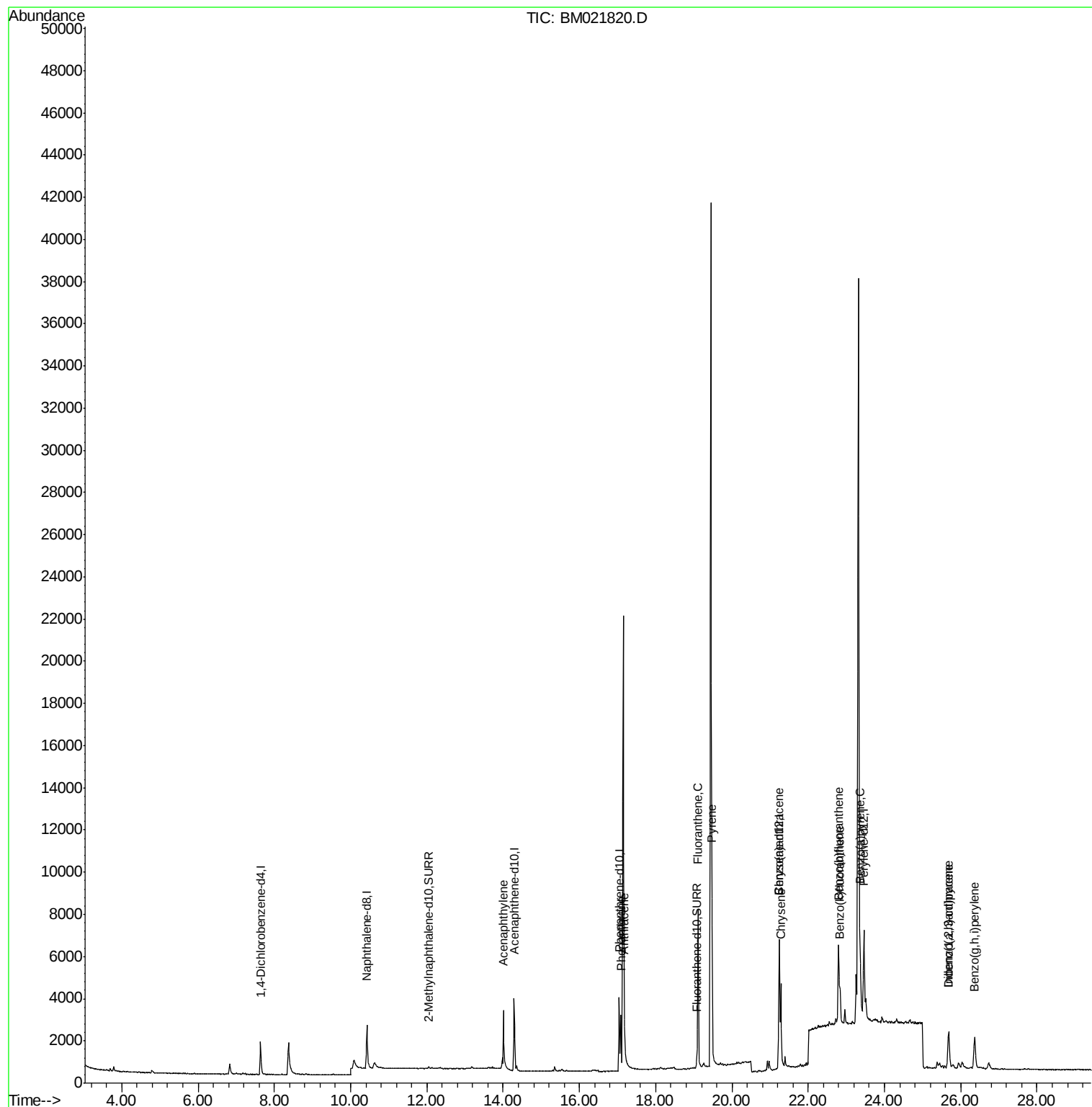
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021820.D
Acq On : 04 Aug 2019 19:39
Operator : HP/JU
Sample : K3850-14DL 5X
Misc :
ALS Vial : 63 Sample Multiplier: 1

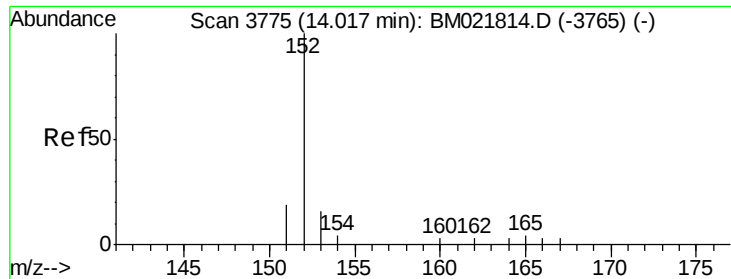
Instrument :
BNA_M
ClientSampleId :
BENS1DL

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Quant Time: Aug 05 07:58:24 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 : Mon Aug 05 06:57:04 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.047 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

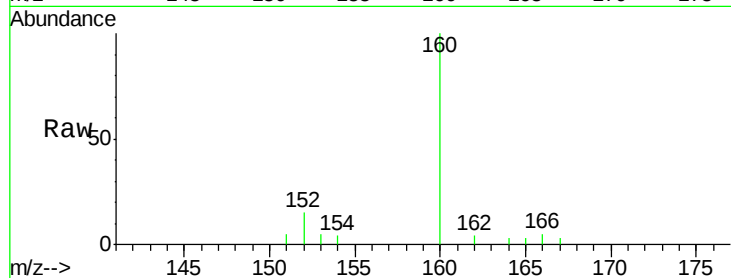
ClientSampleId :

BENS1DL

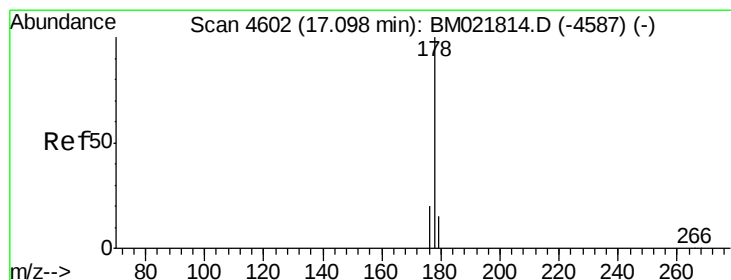
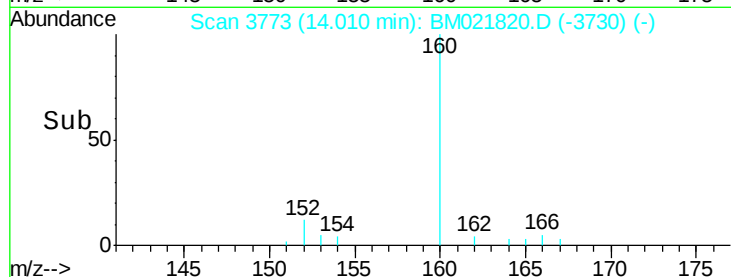
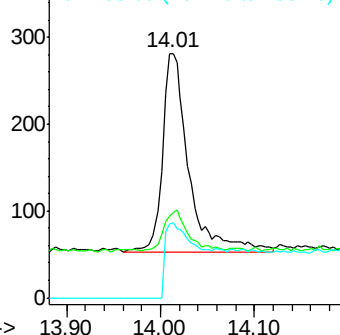
Tgt Ion:	152	Resp:	459
Ion Ratio	Lower	Upper	
152	100		
151	33.5	18.3	27.5#
153	30.2	12.8	19.2#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#12

Phenanthrene

Concen: 0.225 ng/ul

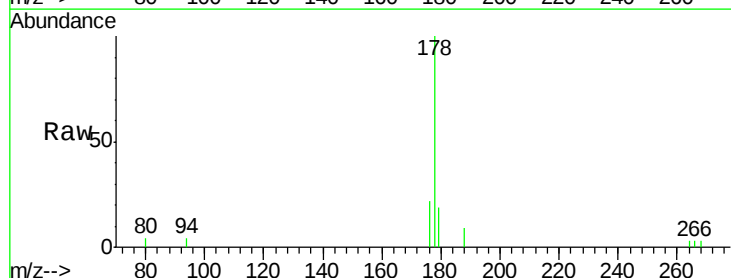
RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

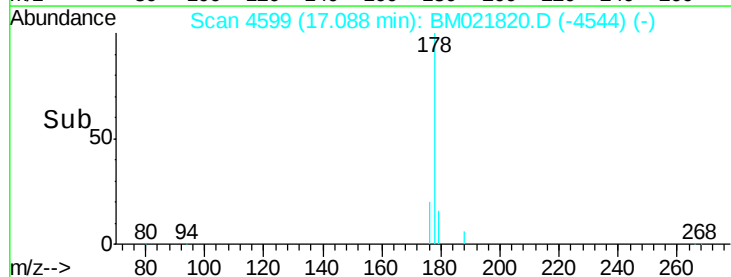
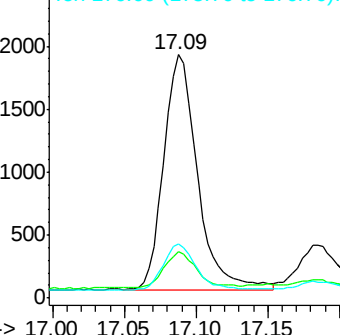
Lab File: BM021820.D

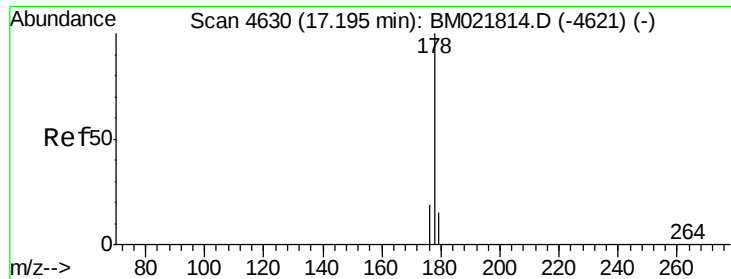
Acq: 04 Aug 2019 19:39

Tgt Ion:	178	Resp:	3051
Ion Ratio	Lower	Upper	
178	100		
179	19.0	14.2	21.2
176	22.2	16.8	25.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





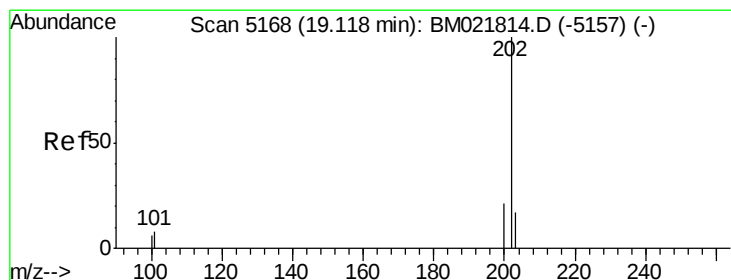
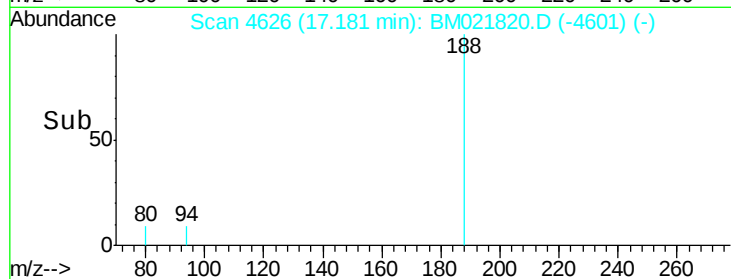
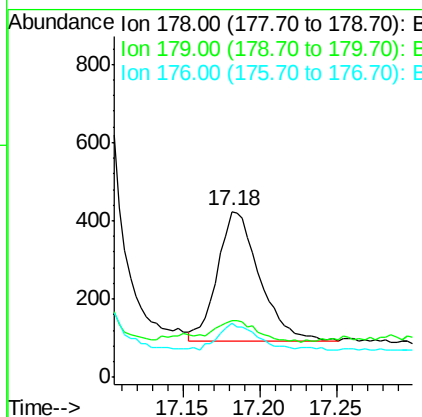
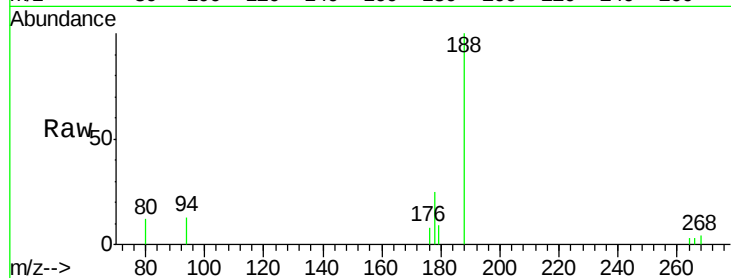
#13
 Anthracene
 Concen: 0.055 ng/ul
 RT: 17.18 min Scan# 4626
 Delta R.T. -0.01 min
 Lab File: BM021820.D
 Acq: 04 Aug 2019 19:39

Instrument :
 BNA_M
 ClientSampleId :
 BENS1DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	34.4	15.5	23.3#
176	32.5	16.6	25.0#

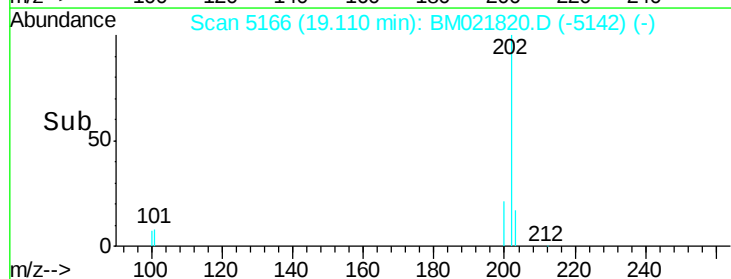
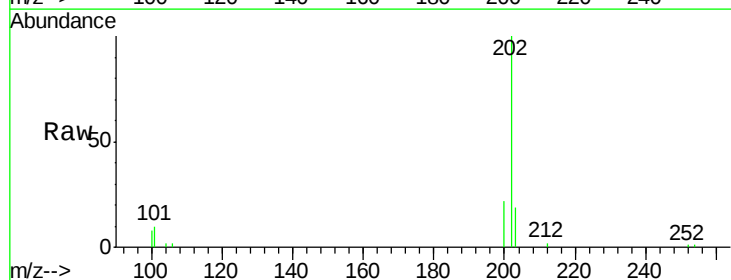
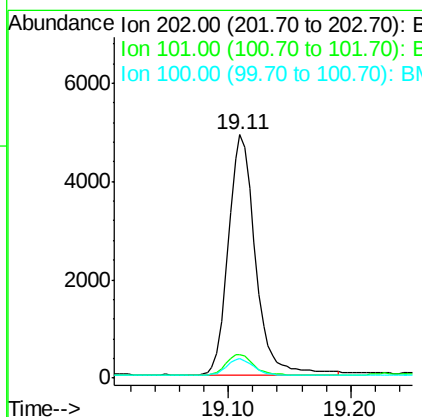
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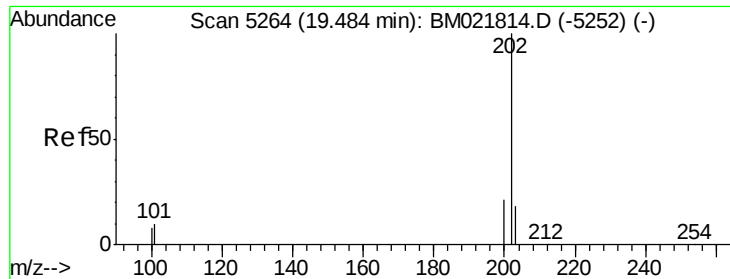
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#15
 Fluoranthene
 Concen: 0.413 ng/ul
 RT: 19.11 min Scan# 5166
 Delta R.T. -0.01 min
 Lab File: BM021820.D
 Acq: 04 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.2
100	8.2	0.0	28.1





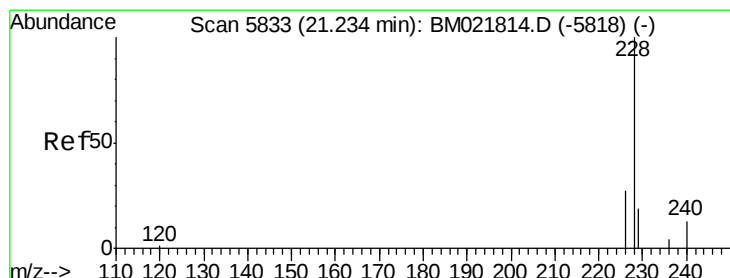
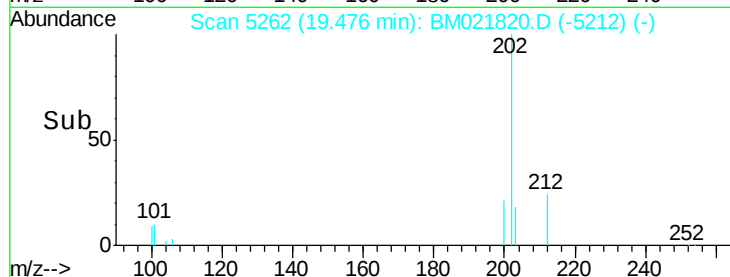
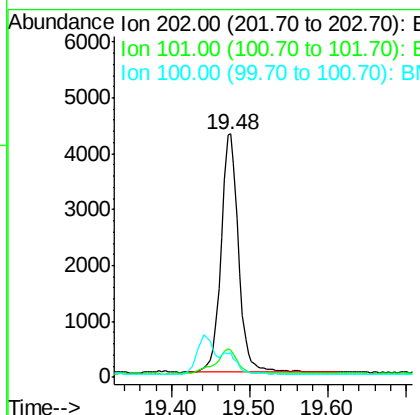
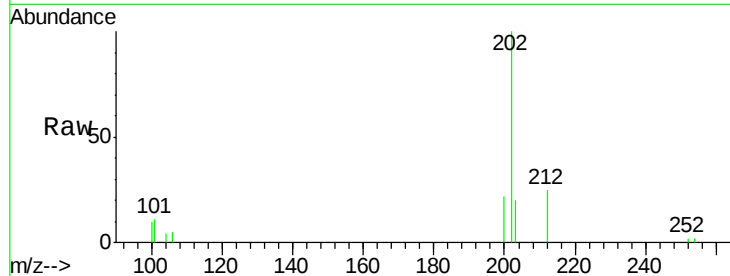
#17
Pyrene
 Concen: 0.334 ng/u1
 RT: 19.48 min Scan# 5262
 Delta R.T. -0.01 min
 Lab File: BM021820.D
 Acq: 04 Aug 2019 19:39

Instrument :
 BNA_M
 ClientSampleId :
 BENS1DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6608		
101	11.1	8.3	12.5	
100	10.1	7.2	10.8	

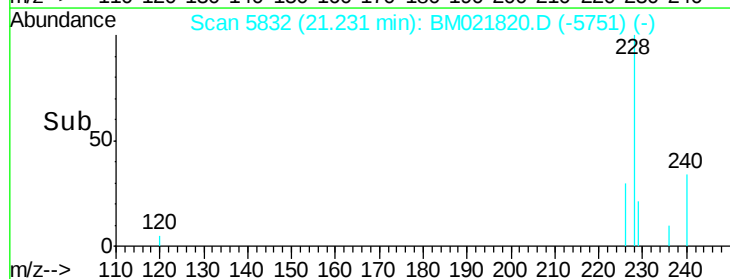
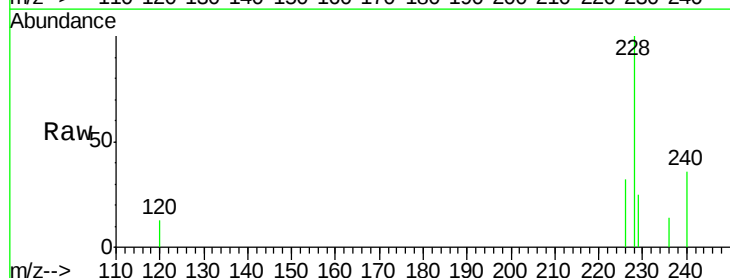
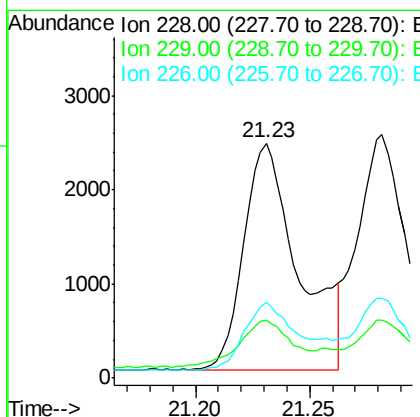
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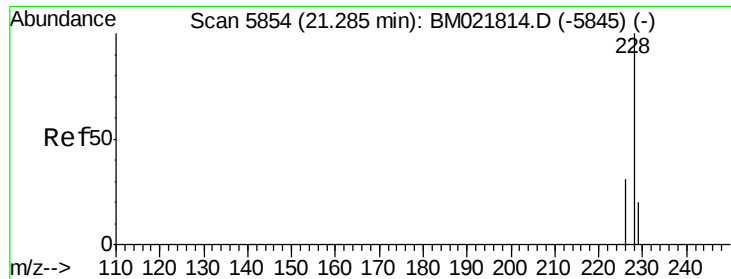
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#18
Benzo(a)anthracene
 Concen: 0.232 ng/u1
 RT: 21.23 min Scan# 5832
 Delta R.T. -0.00 min
 Lab File: BM021820.D
 Acq: 04 Aug 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	3996		
229	24.7	17.2	25.8	
226	32.2	22.6	34.0	





#19

Chrysene

Concen: 0.181 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.00 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

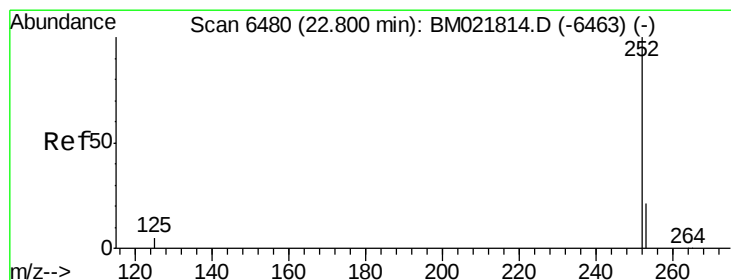
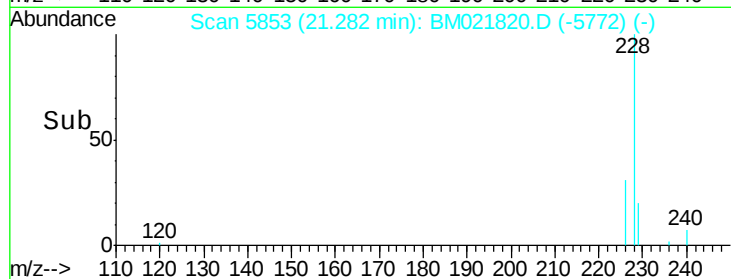
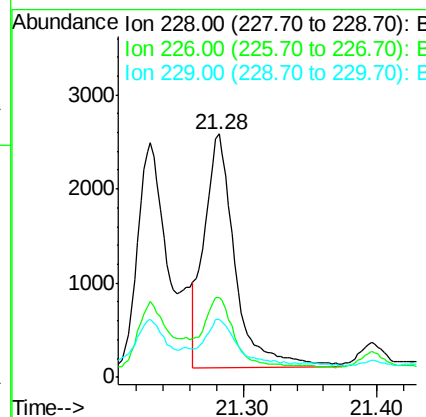
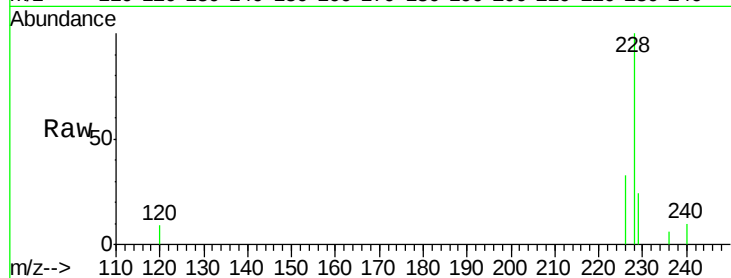
ClientSampleId :

BENS1DL

Tgt Ion:	228	Resp:	4009
Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.9	37.3
229	24.0	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 0.270 ng/ul m

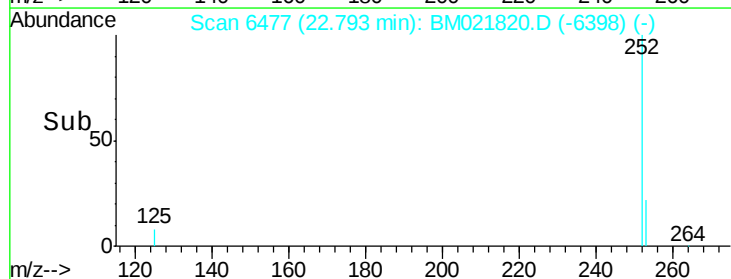
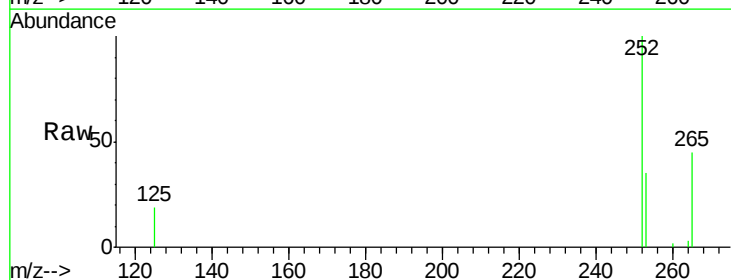
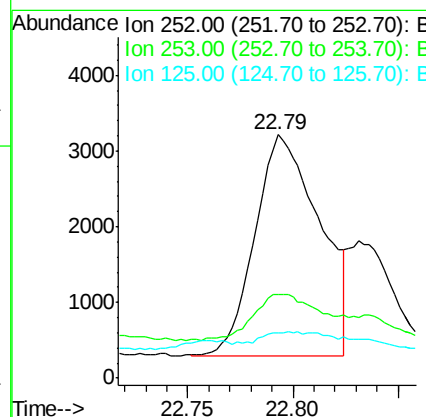
RT: 22.79 min Scan# 6477

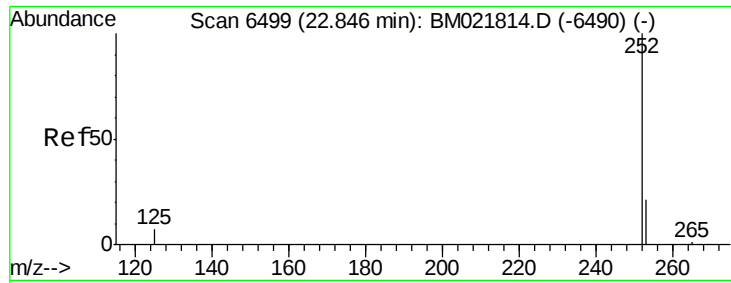
Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Tgt Ion:	252	Resp:	6333
Ion	Ratio	Lower	Upper
252	100		
253	34.6	0.0	67.4
125	18.8	0.0	31.0





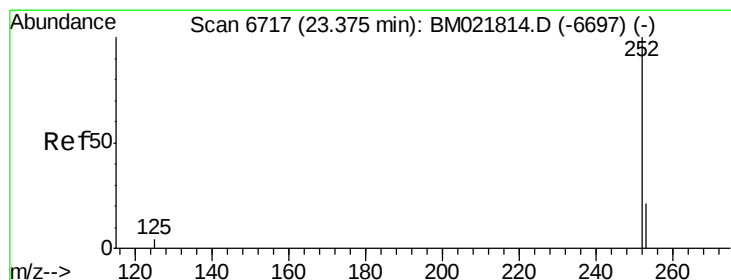
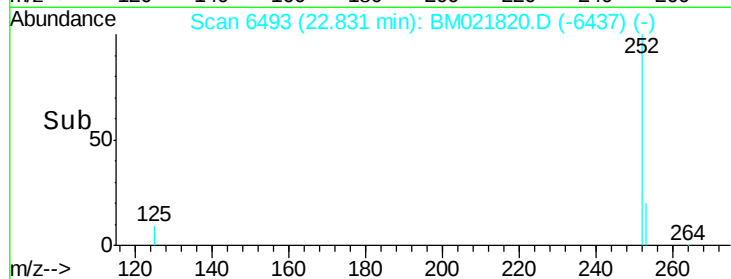
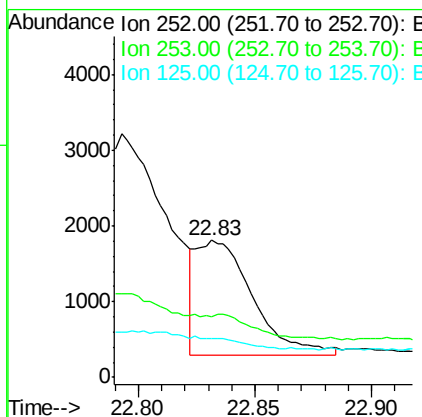
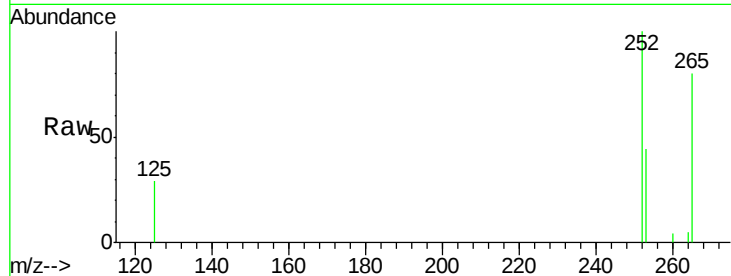
#22
Benzo(k)fluoranthene
Concen: 0.097 ng/ul m
RT: 22.83 min Scan# 6493
Delta R.T. -0.01 min
Lab File: BM021820.D
Acq: 04 Aug 2019 19:39

Instrument :
BNA_M
ClientSampleId :
BENS1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.9	27.0	40.4#
125	28.6	12.2	18.2#

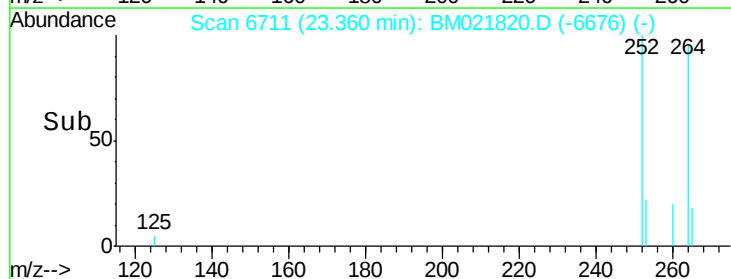
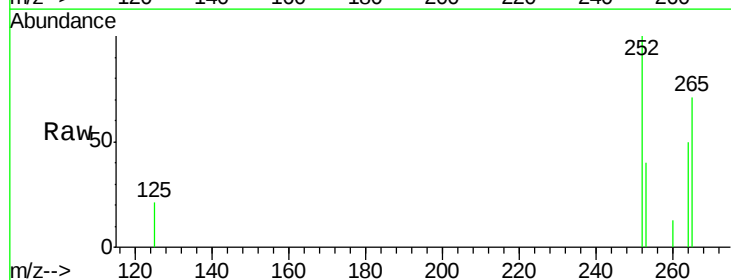
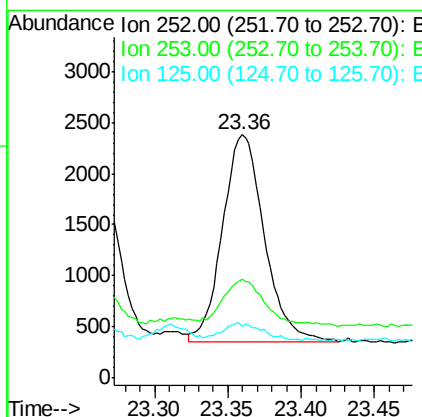
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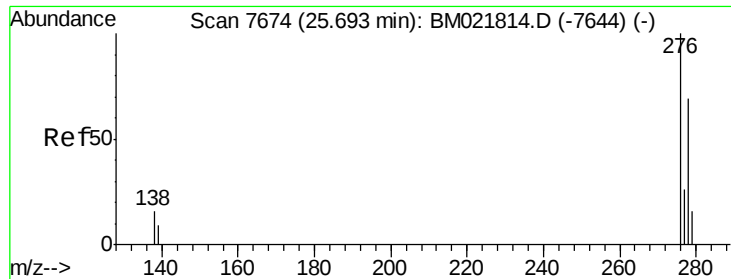
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#23
Benzo(a)pyrene
Concen: 0.167 ng/ul
RT: 23.36 min Scan# 6711
Delta R.T. -0.01 min
Lab File: BM021820.D
Acq: 04 Aug 2019 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.4	31.7	47.5
125	21.3	14.6	21.8





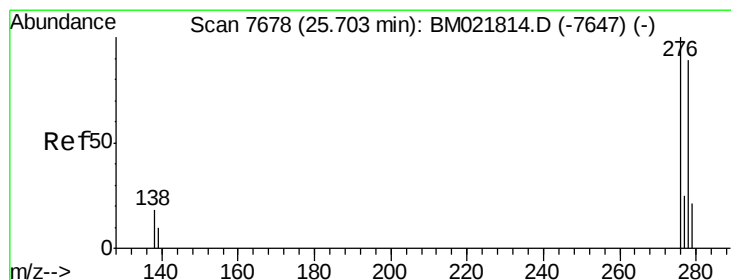
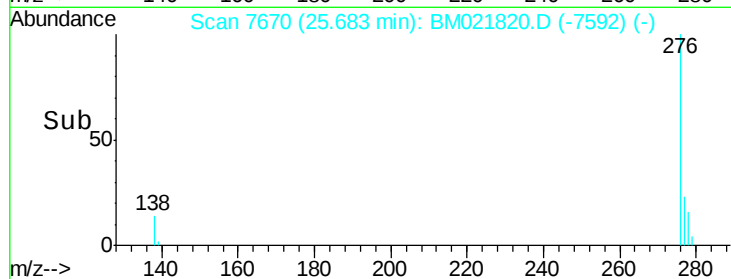
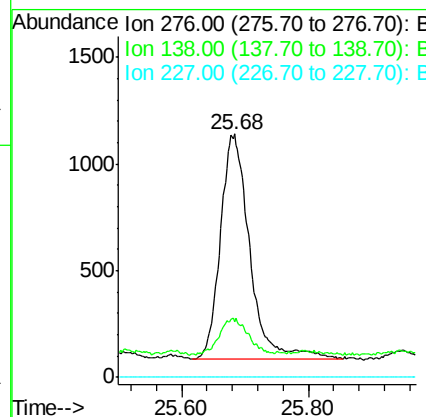
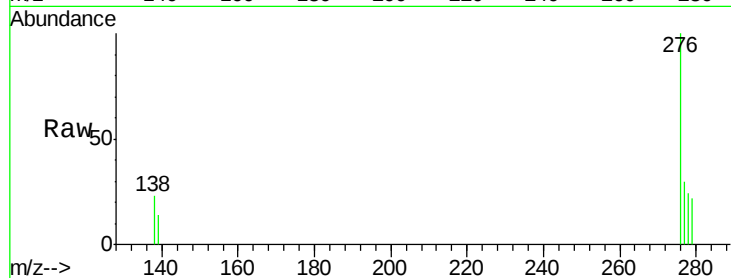
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.119 ng/u1
RT: 25.68 min Scan# 7670
Delta R.T. -0.01 min
Lab File: BM021820.D
Acq: 04 Aug 2019 19:39

Instrument :
BNA_M
ClientSampleId :
BENS1DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.8	15.1	22.7
227	0.0	0.0	0.0

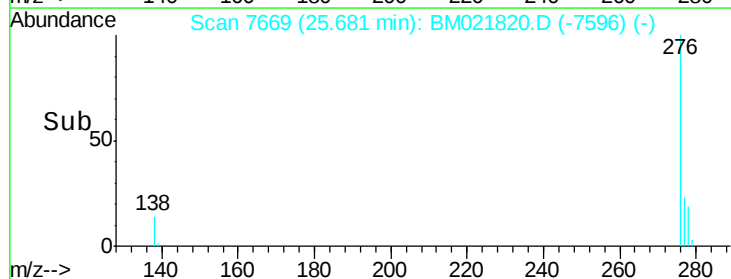
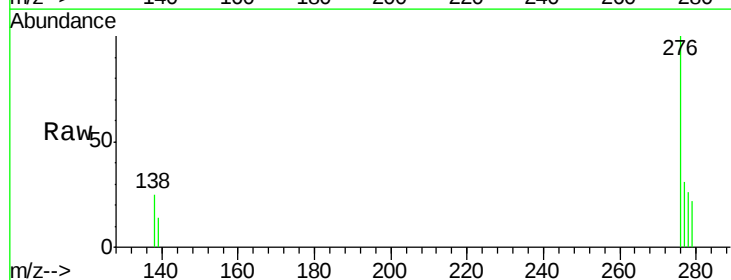
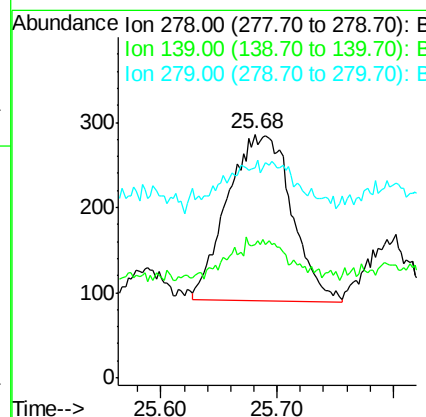
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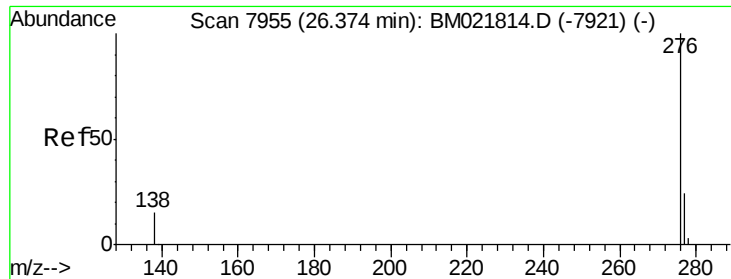
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#25
Dibenzo(a,h)anthracene
Concen: 0.033 ng/u1
RT: 25.68 min Scan# 7669
Delta R.T. -0.02 min
Lab File: BM021820.D
Acq: 04 Aug 2019 19:39

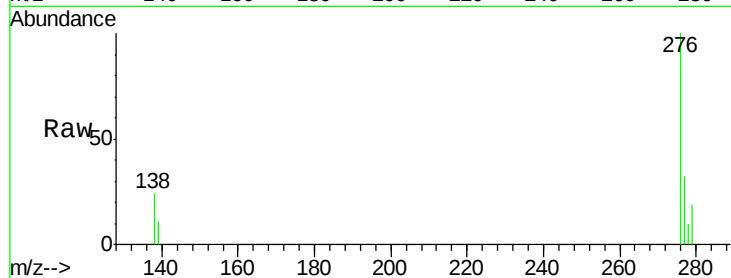
Tgt Ion	Ratio	Lower	Upper
278	100		
139	54.5	14.2	21.2#
279	86.4	28.3	42.5#





#26
 Benzo(g,h,i)perylene
 Concen: 0.135 ng/ul
 RT: 26.37 min Scan# 7952
 Delta R.T. -0.01 min
 Lab File: BM021820.D
 Acq: 04 Aug 2019 19:39

Instrument :
 BNA_M
 ClientSampleId :
 BENS1DL



Tgt Ion:	276	Resp:	3461
Ion Ratio	Lower	Upper	
276	100		
138	24.2	15.5	23.3#
277	31.7	21.4	32.2

Manual Integrations
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