

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\  
 Data File : BN010017.D  
 Acq On : 29 Feb 2020 10:30  
 Operator : CG/JU  
 Sample : L1516-19RX  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 DBD77RX

**Manual Integrations**  
**APPROVED**  
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 3/3/2020 4:59:57 PM

Quant Time: Mar 02 08:51:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 02 08:34:35 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	98911	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	425506	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	261198	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	526717	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	460887	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	472642	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.03	96	615	0.26	ng/uL	0.01
5) Phenol-d5	6.60	99	15826m	1.88	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.75	67	12219m	2.10	ng/ul	0.01
9) 2-Chlorophenol-d4	6.93	132	14039	2.22	ng/ul	0.01
13) 4-Methylphenol-d8	8.11	113	10271	1.53	ng/ul	0.02
19) Nitrobenzene-d5	8.55	128	5562m	1.79	ng/ul	0.02
22) 2-Nitrophenol-d4	9.25	143	5645m	1.66	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.82	165	12076m	1.84	ng/ul	0.05
29) 4-Chloroaniline-d4	10.33	131	11979m	1.63	ng/ul	0.06
44) Dimethylphthalate-d6	13.46	166	41748	2.14	ng/ul	0.01
47) Acenaphthylene-d8	13.70	160	49610	2.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	1093m	0.31	ng/ul	0.13
58) Fluorene-d10	15.03	176	38591	2.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	16.88	188	62303	2.58	ng/ul	0.00
79) Pyrene-d10	19.19	212	63102	2.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	61704	2.61	ng/ul	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
70) Phenanthrene	16.82	178	61054	2.031	ng/ul	96
77) Fluoranthene	18.85	202	215846	6.130	ng/ul	97
80) Pyrene	19.22	202	159103	4.788	ng/ul	97
83) Benzo(a)anthracene	20.99	228	32645	1.031	ng/ul	99
85) Chrysene	21.03	228	32528m	1.043	ng/ul	

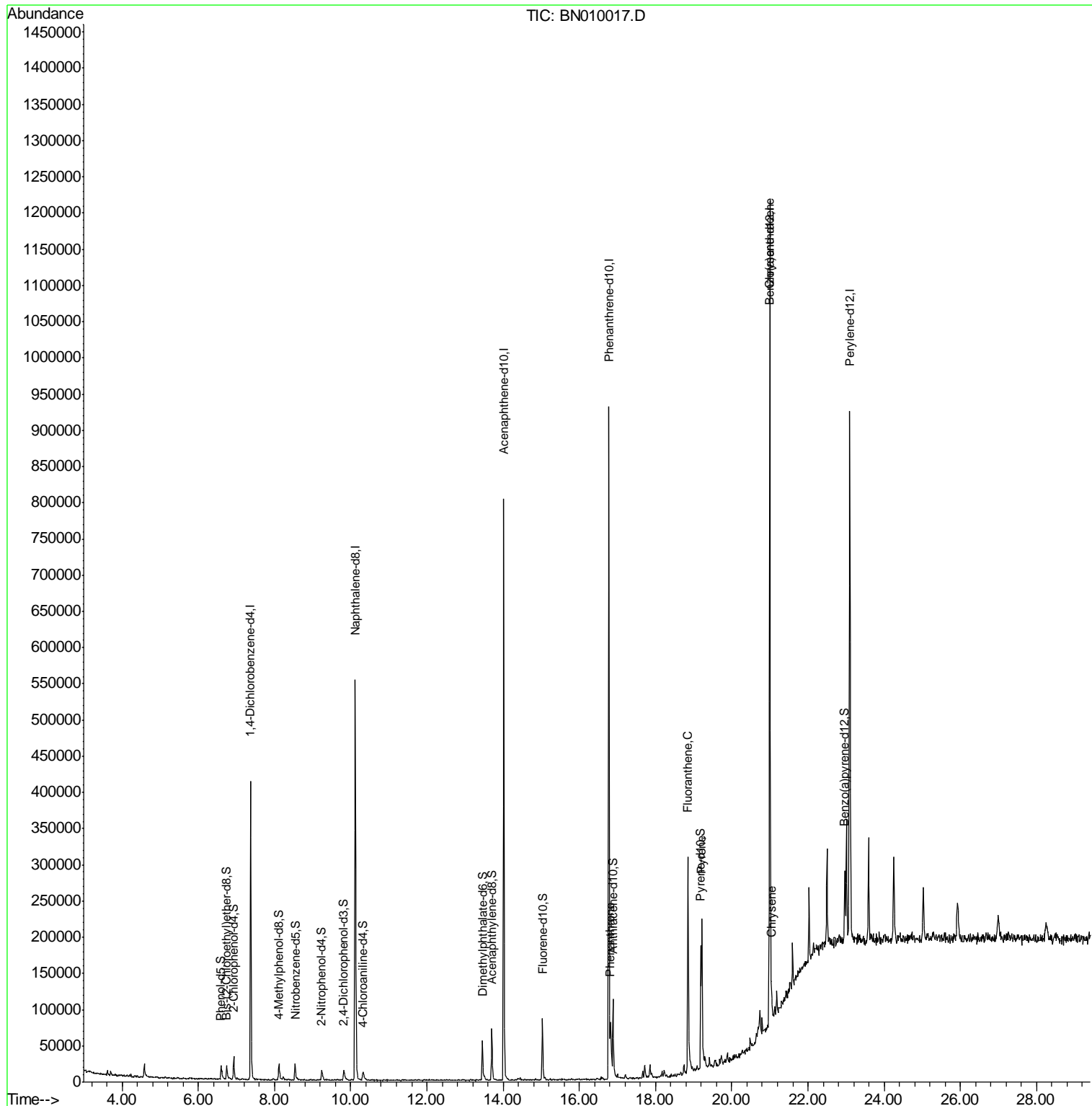
(#) = qualifier out of range (m) = manual integration (+) = signals summed

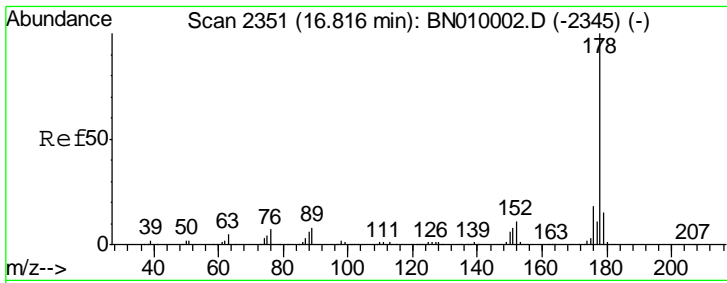
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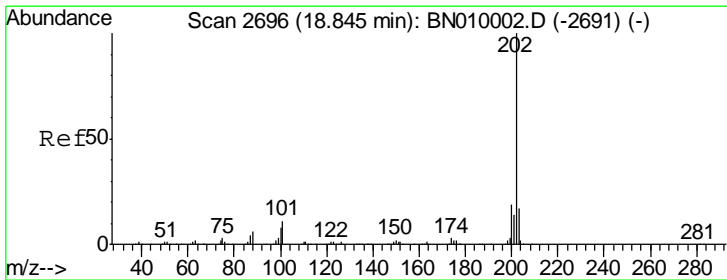
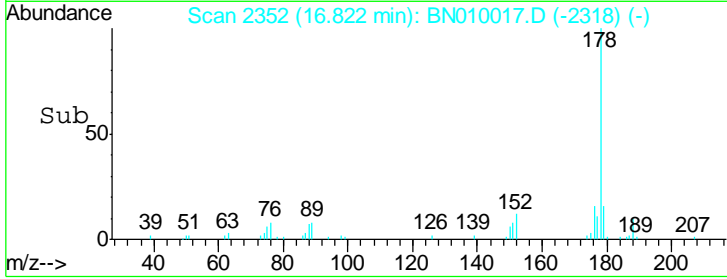
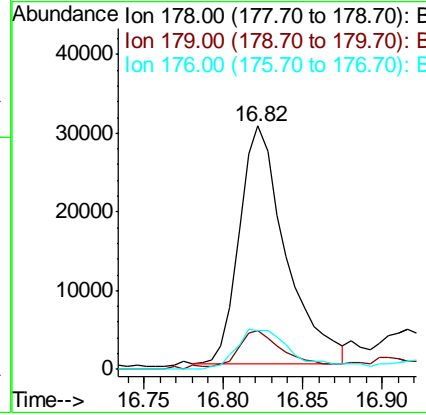
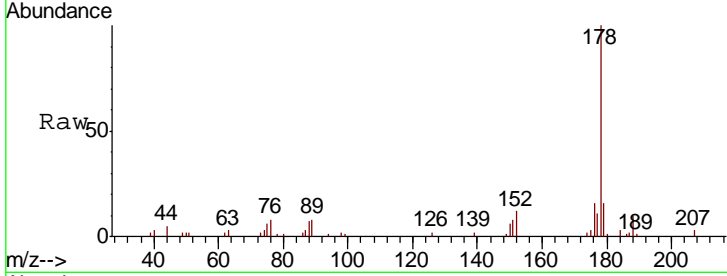
#70  
 Phenanthrene  
 Concen: 2.031 ng/ul  
 RT: 16.82 min Scan# 2352  
 Delta R.T. -0.00 min  
 Lab File: BN010017.D  
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Tgt Ion	Resp	Lower	Upper
178	61054		
179	16.0	12.5	18.7
176	15.7	14.6	22.0

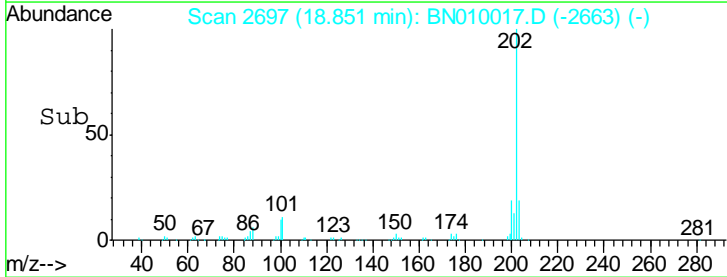
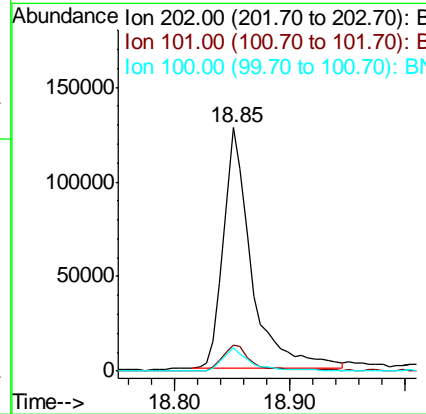
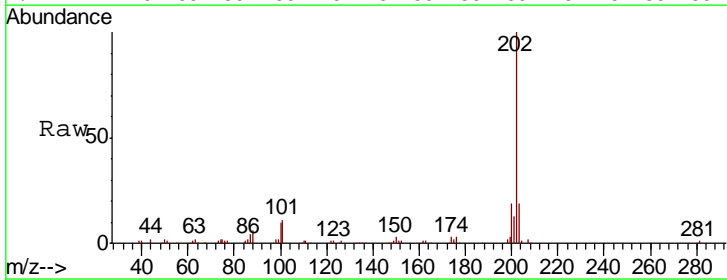
**Manual Integrations**  
**APPROVED**

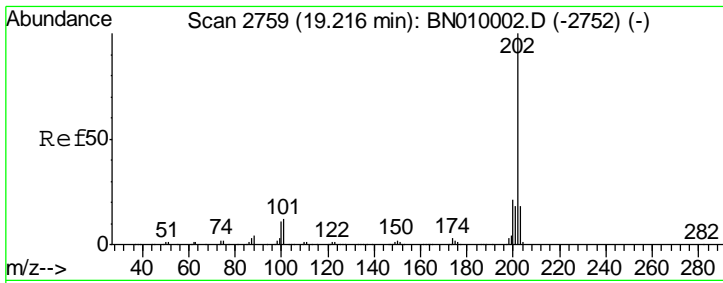
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#77  
 Fluoranthene  
 Concen: 6.130 ng/ul  
 RT: 18.85 min Scan# 2697  
 Delta R.T. -0.00 min  
 Lab File: BN010017.D  
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Tgt Ion	Resp	Lower	Upper
202	215846		
101	10.8	9.4	14.2
100	9.9	7.2	10.8





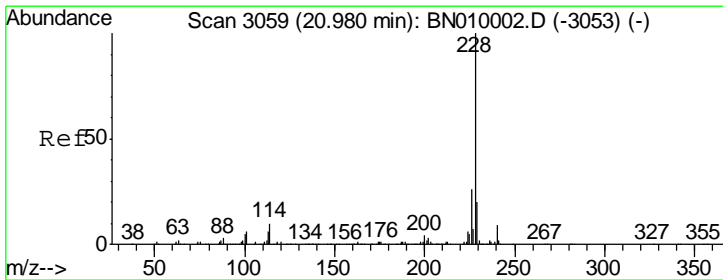
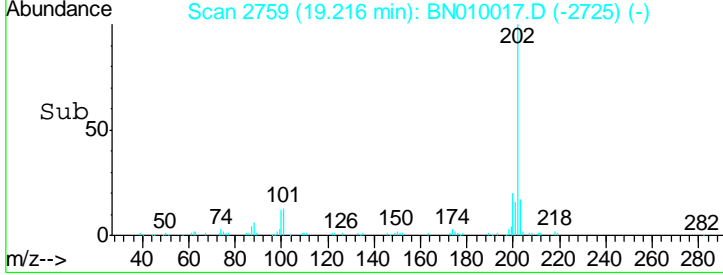
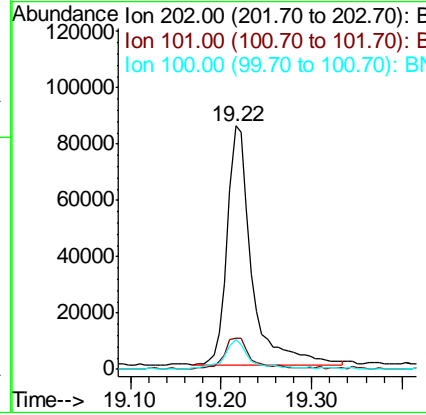
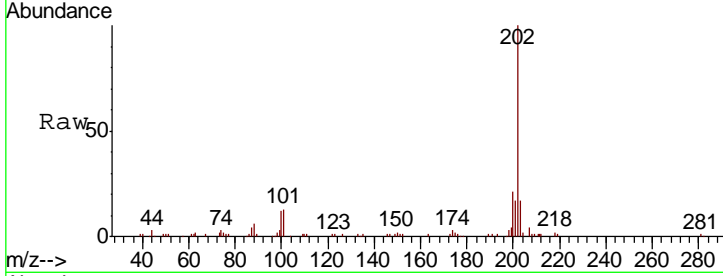
#80  
 Pyrene  
 Concen: 4.788 ng/ul  
 RT: 19.22 min Scan# 2759  
 Delta R.T. -0.00 min  
 Lab File: BN010017.D  
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Tgt Ion	Resp	Lower	Upper
202	159103		
101	12.9	11.3	16.9
100	12.1	9.0	13.6

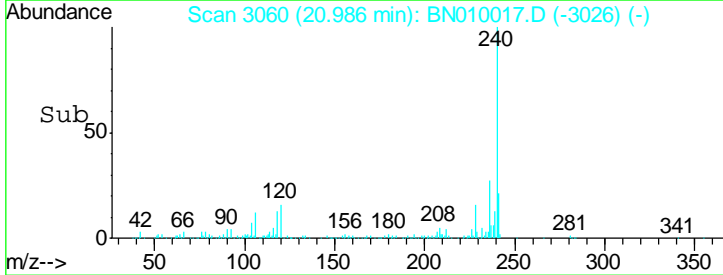
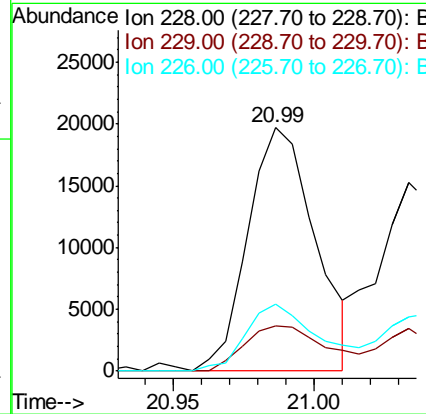
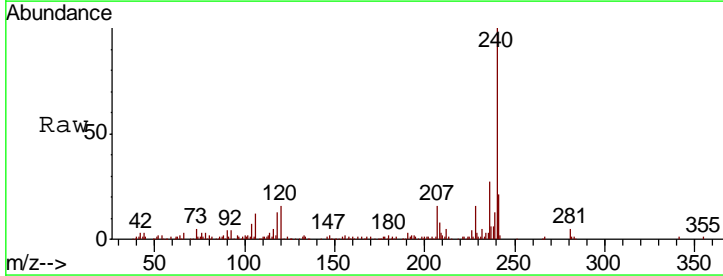
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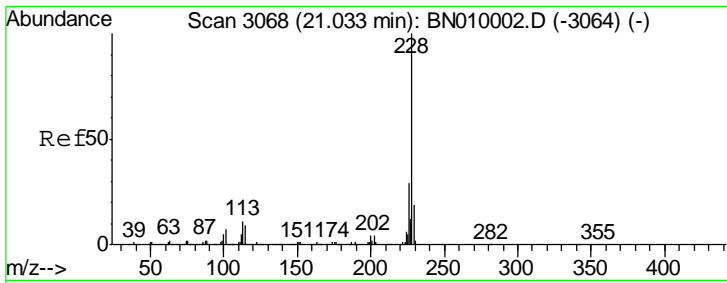
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#83  
 Benzo(a)anthracene  
 Concen: 1.031 ng/ul  
 RT: 20.99 min Scan# 3060  
 Delta R.T. -0.00 min  
 Lab File: BN010017.D  
 Acq: 29 Feb 2020 10:30

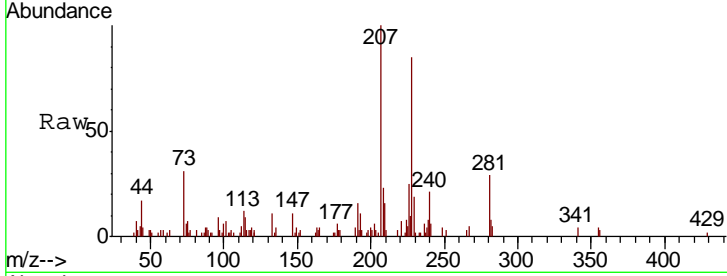
Tgt Ion	Resp	Lower	Upper
228	32645		
229	18.5	15.0	22.4
226	27.7	21.4	32.2





#85  
 Chrysene  
 Concen: 1.043 ng/ul m  
 RT: 21.03 min Scan# 3068  
 Delta R.T. -0.01 min  
 Lab File: BN010017.D  
 Acq: 29 Feb 2020 10:30

Instrument :  
 BNA\_N  
 ClientSampled :  
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Tot Ion: 228 Resp: 32528

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	22.7	15.0	22.4

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