Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072423\
Data File : BN026740.D
Acq On : 25 Jul 2023 08:30
Operator : MA/JU
Sample : 03635-02
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GWBR-04-359-374-071423

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 25 09:02:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 23:51:48 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	1120	0.400	ng	# 0.03
7) Naphthalene-d8	10.650	136	4166	0.400	ng	# 0.02
13) Acenaphthene-d10	14.469	164	3482	0.400	ng	0.01
19) Phenanthrene-d10	17.219	188	6413	0.400	ng	# 0.00
29) Chrysene-d12	21.426	240	4679	0.400	ng	# 0.02
35) Perylene-d12	23.800	264	5794	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	228	0.084	ng	0.04
5) Phenol-d6	7.170	99	140m	0.040	ng	0.13
8) Nitrobenzene-d5	9.176	82	241m	0.068	ng	0.14
11) 2-Methylnaphthalene-d10	12.268	152	641	0.105	ng	0.04
14) 2,4,6-Tribromophenol	16.003	330	127	0.100	ng	0.02
15) 2-Fluorobiphenyl	13.122	172	1384m	0.103	ng	0.02
27) Fluoranthene-d10	19.258	212	2053	0.151	ng	0.00
31) Terphenyl-d14	19.848	244	1602	0.134	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	458	0.387	ng	# 54
34) Bis(2-ethylhexyl)phtha...	21.309	149	822	0.055	ng	# 94

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

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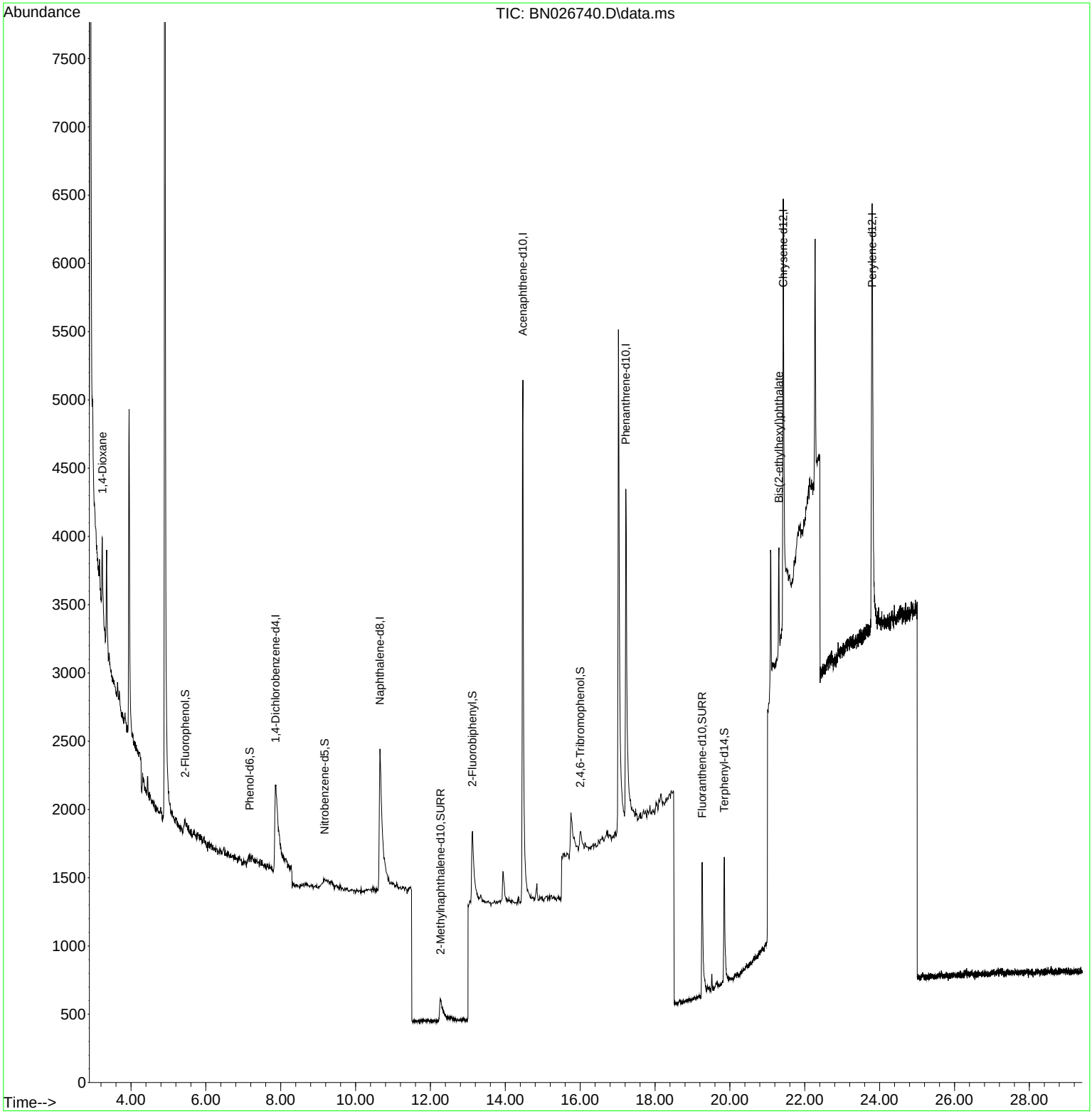
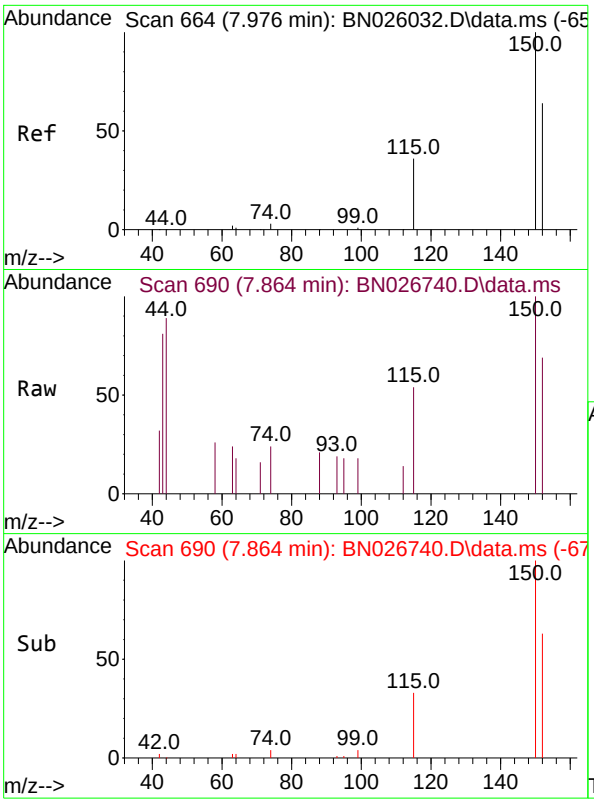
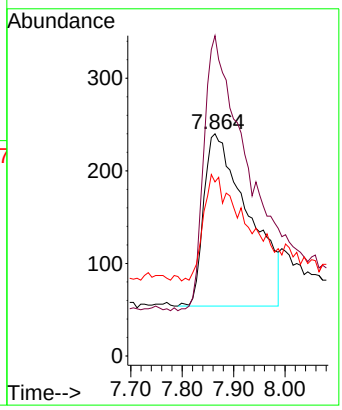




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.864 min Scan# 6
Delta R.T. 0.029 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:152 Resp: 112

Ion	Ratio	Lower	Upper
152	100		
150	144.2	124.7	187.1
115	78.3	48.2	72.4#



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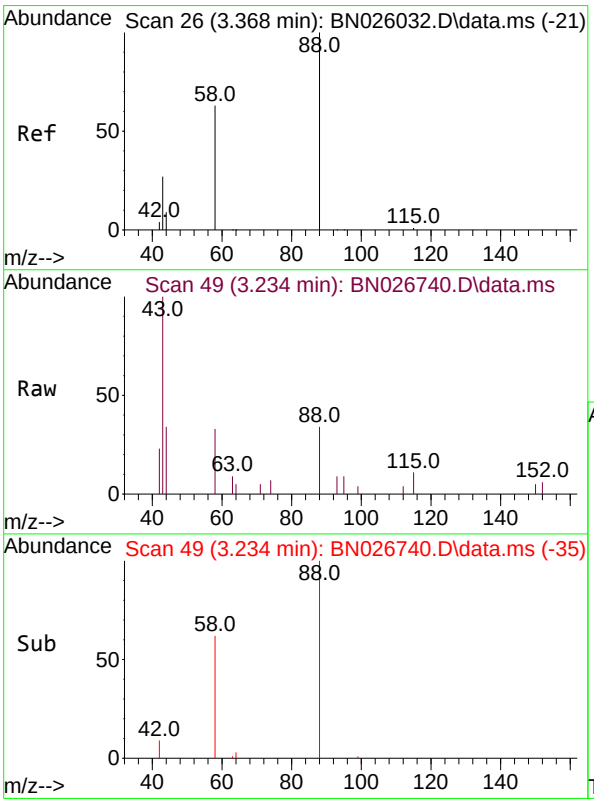
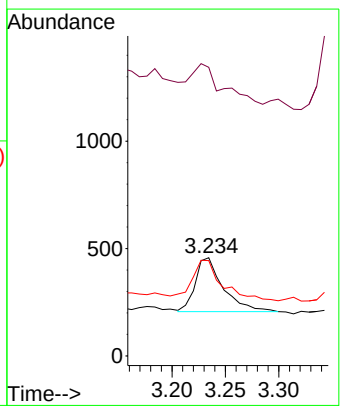
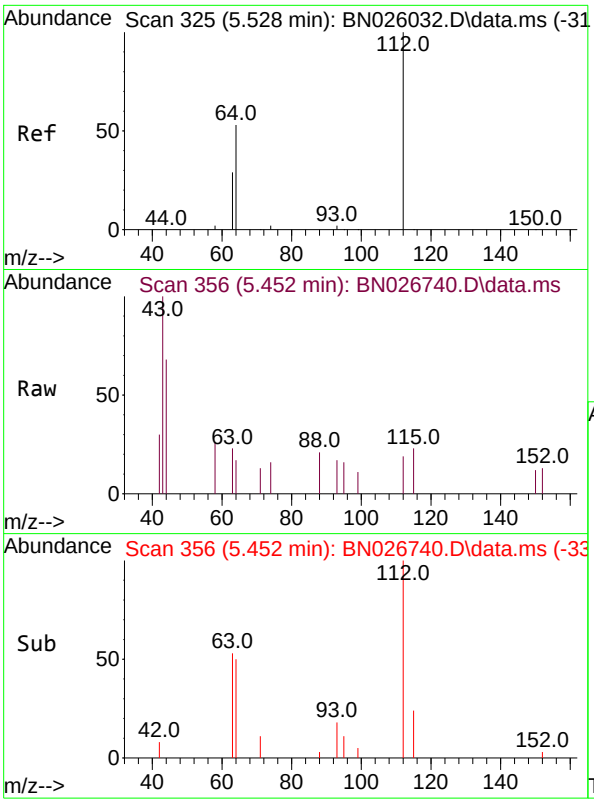


#2
1,4-Dioxane
Concen: 0.387 ng
RT: 3.234 min Scan# 49
Delta R.T. 0.000 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion: 88 Resp: 458

Ion	Ratio	Lower	Upper
88	100		
43	87.3	24.2	36.4#
58	81.4	53.3	79.9#





#4
2-Fluorophenol
Concen: 0.084 ng
RT: 5.452 min Scan# 3
Delta R.T. 0.036 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:112 Resp: 22

Ion	Ratio	Lower	Upper
112	100		
64	29.4	45.8	68.6#
63	40.4	27.4	41.2

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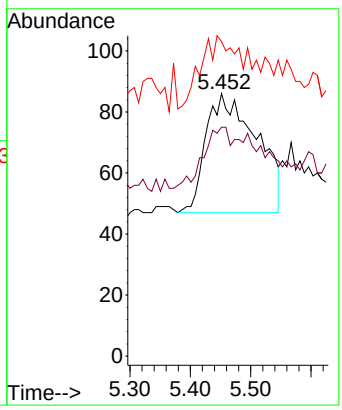
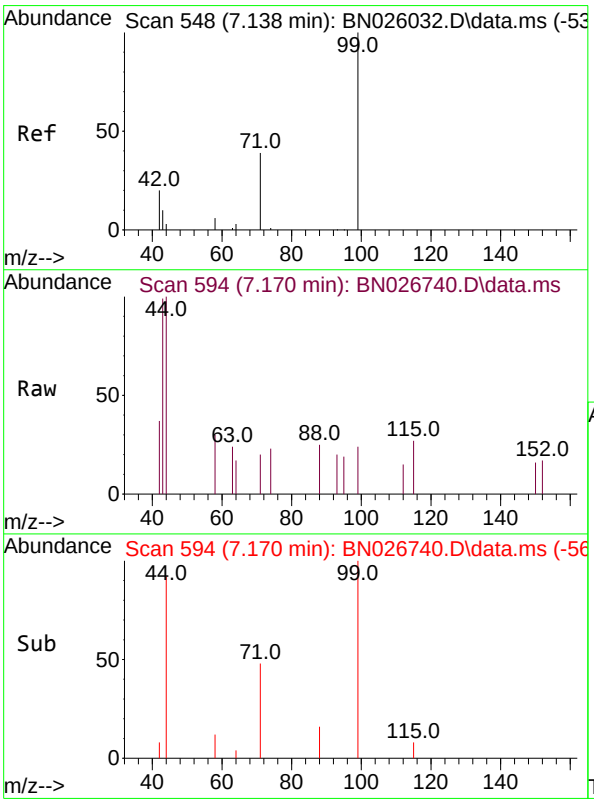
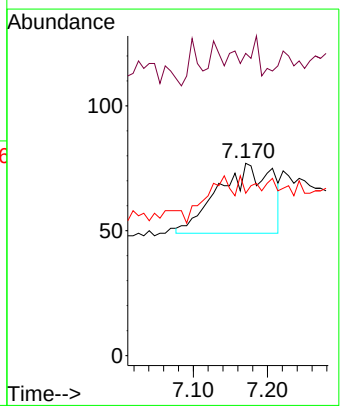


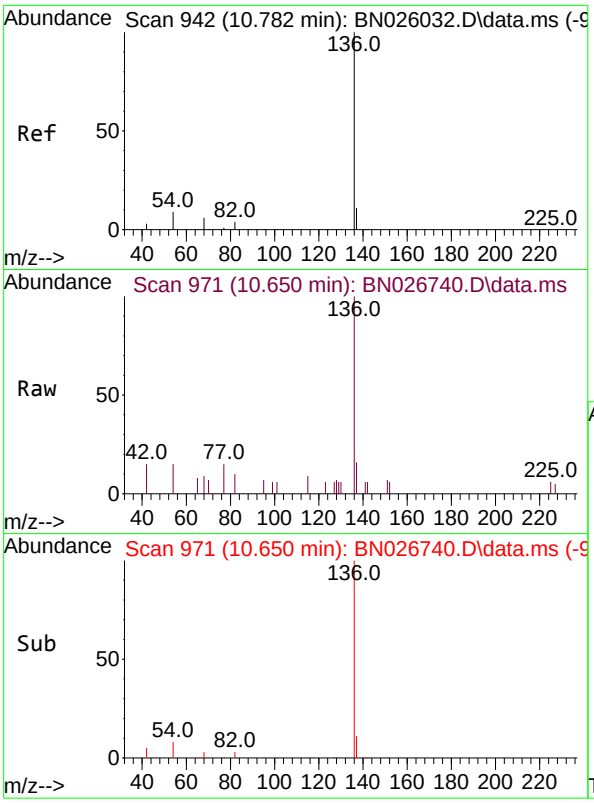


#5
Phenol-d6
Concen: 0.040 ng m
RT: 7.170 min Scan# 594
Delta R.T. 0.130 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion: 99 Resp: 140

Ion	Ratio	Lower	Upper
99	100		
42	0.0	18.4	27.6#
71	2.1	30.6	46.0#

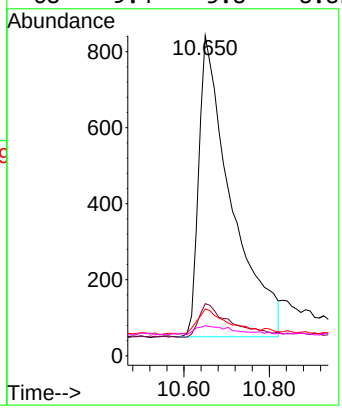




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.650 min Scan# 9
Delta R.T. 0.021 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:136 Resp: 416

Ion	Ratio	Lower	Upper
136	100		
137	16.3	9.0	13.4#
54	14.6	7.8	11.6#
68	9.4	5.8	8.8#



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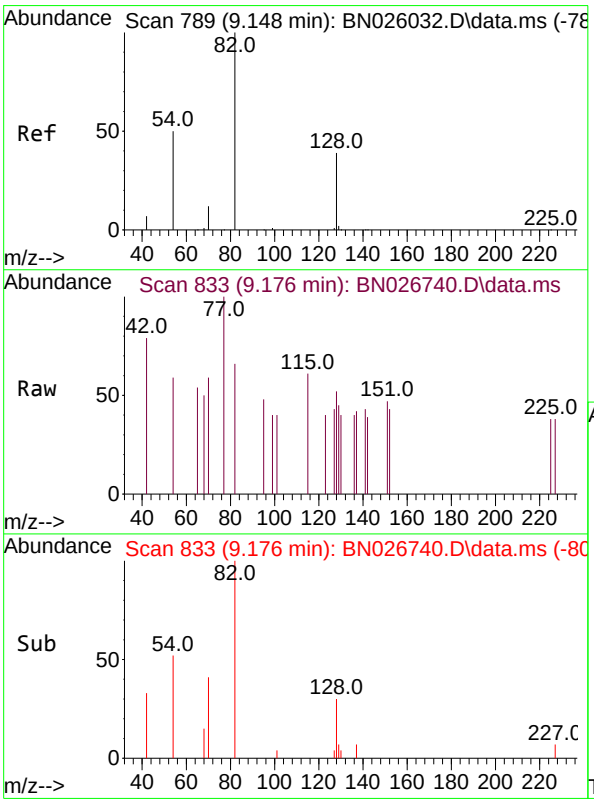
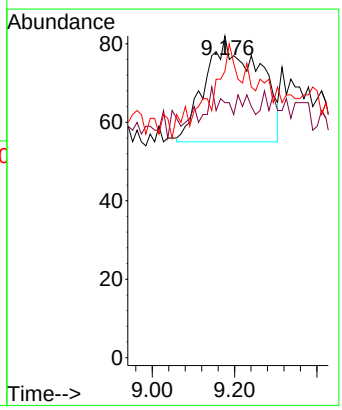
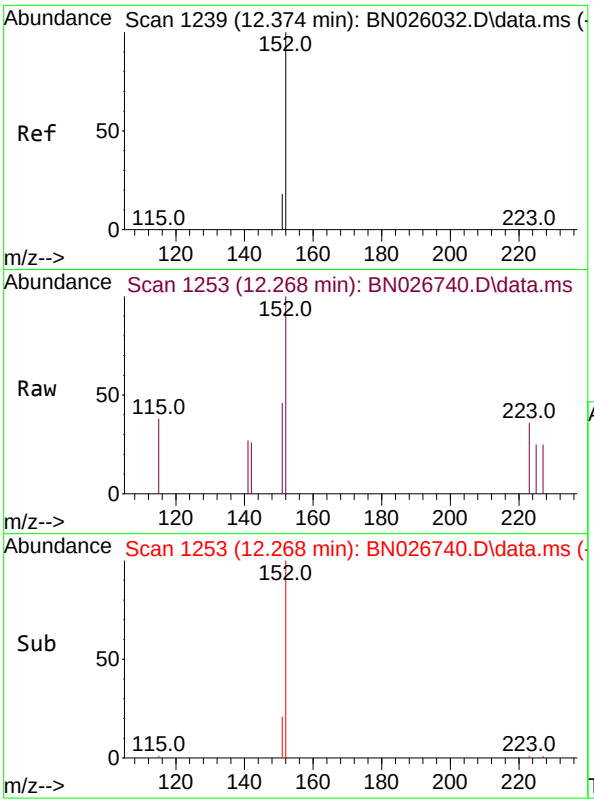


#8
Nitrobenzene-d5
Concen: 0.068 ng m
RT: 9.176 min Scan# 833
Delta R.T. 0.139 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion: 82 Resp: 241

Ion	Ratio	Lower	Upper
82	100		
128	79.3	33.4	50.2#
54	89.0	41.7	62.5#





#11
2-Methylnaphthalene-d10
Concen: 0.105 ng
RT: 12.268 min Scan# 1
Delta R.T. 0.038 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:152 Resp: 641

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.2	24.2

Instrument :
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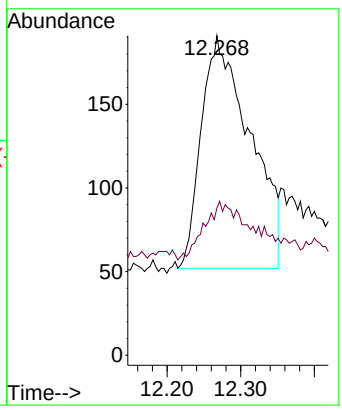
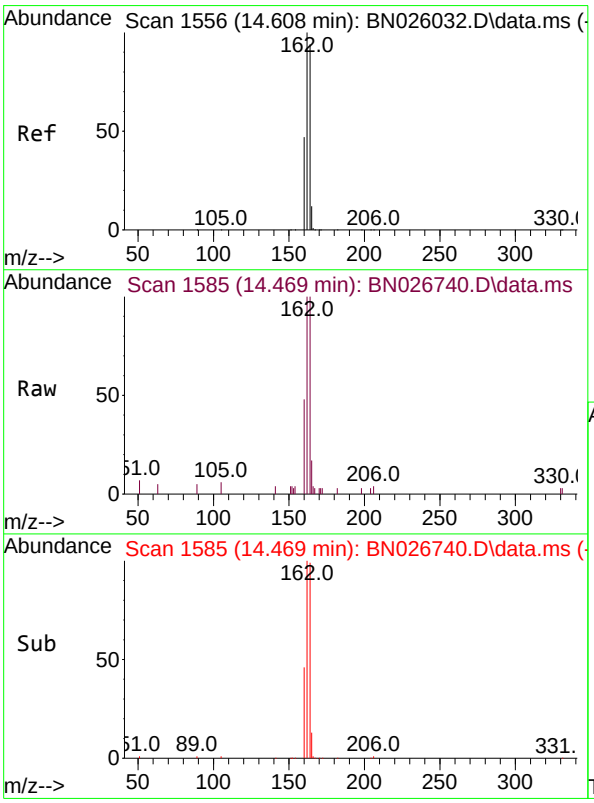
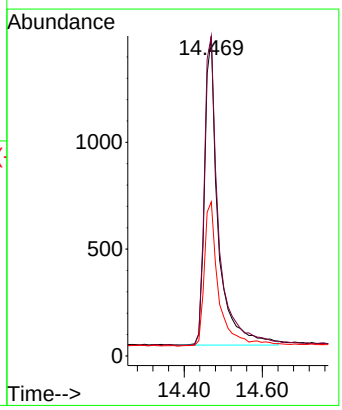


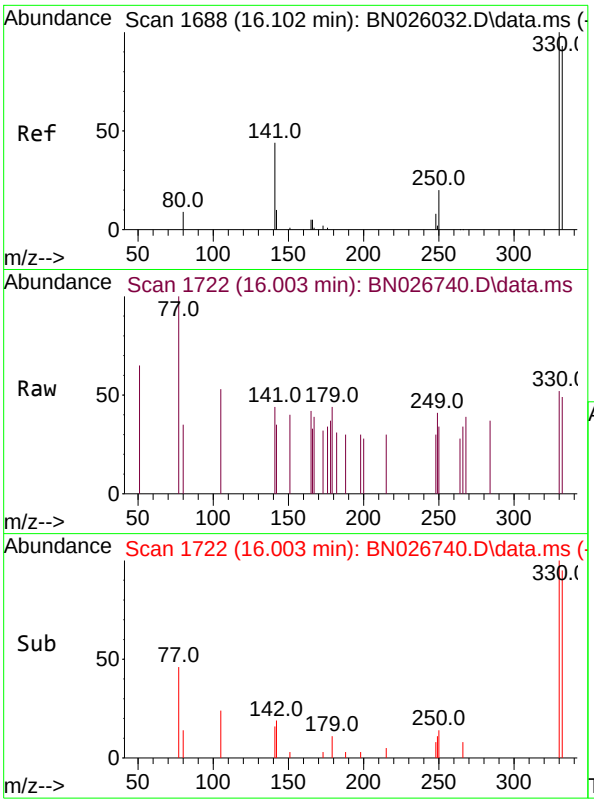


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.469 min Scan# 1585
Delta R.T. 0.011 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:164 Resp: 3482

Ion	Ratio	Lower	Upper
164	100		
162	100.2	85.3	127.9
160	48.2	40.0	60.0





#14
2,4,6-Tribromophenol
Concen: 0.100 ng
RT: 16.003 min Scan# 1
Delta R.T. 0.025 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:330 Resp: 12

Ion	Ratio	Lower	Upper
330	100		
332	92.9	76.0	114.0
141	0.0	42.8	64.2#

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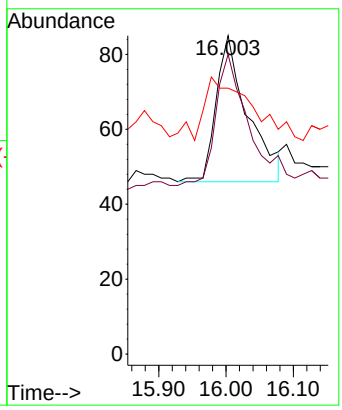
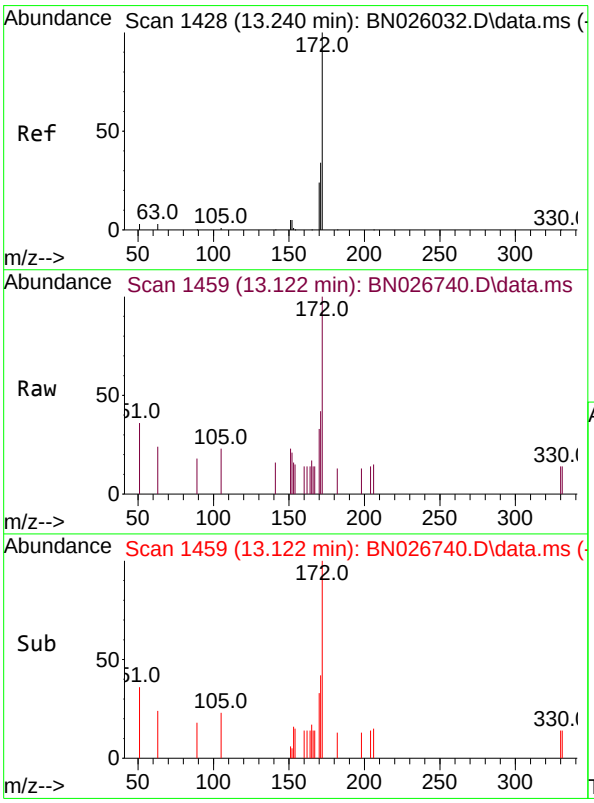
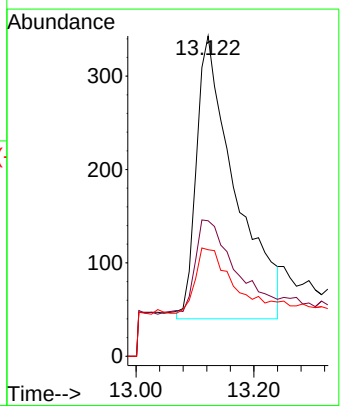


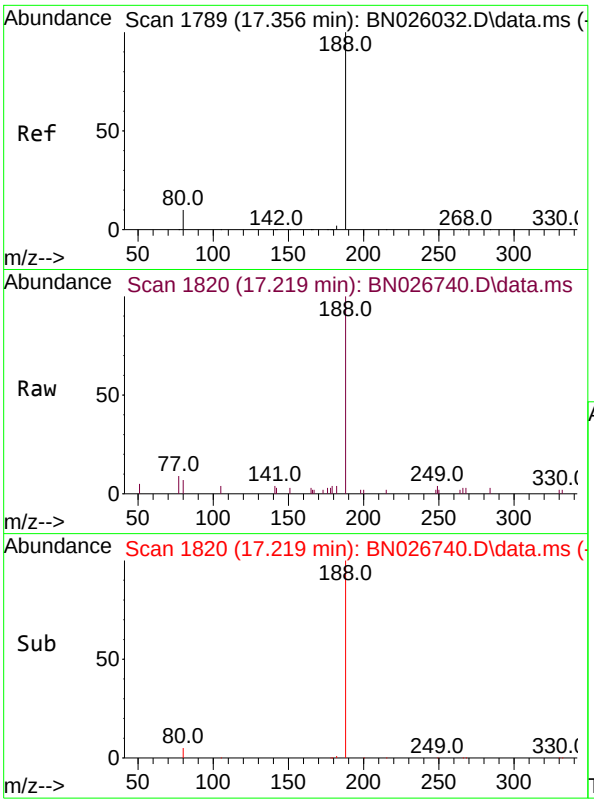


#15
2-Fluorobiphenyl
Concen: 0.103 ng m
RT: 13.122 min Scan# 1459
Delta R.T. 0.021 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:172 Resp: 1384

Ion	Ratio	Lower	Upper
172	100		
171	42.3	27.8	41.8#
170	33.2	19.3	28.9#

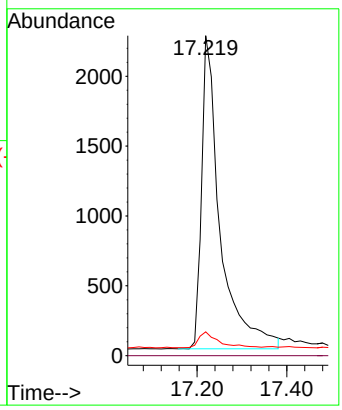




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:188 Resp: 641

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	8.6	13.0#



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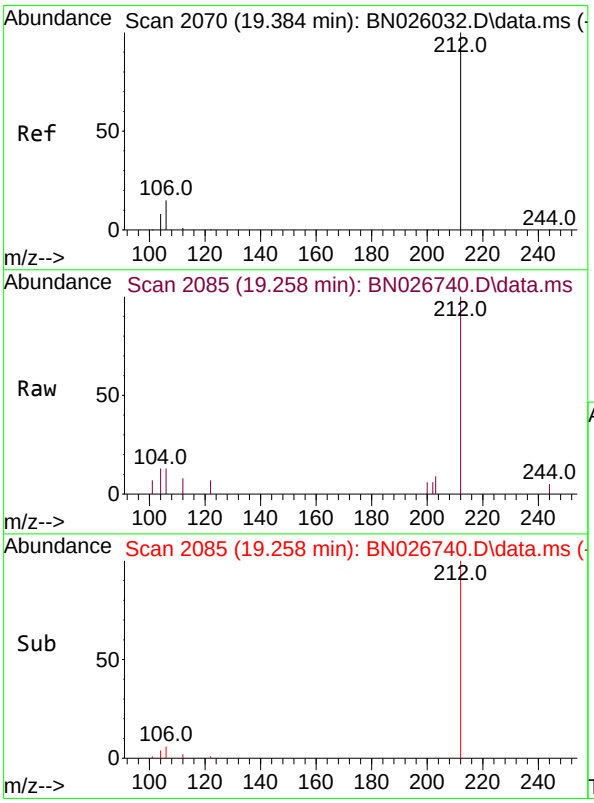
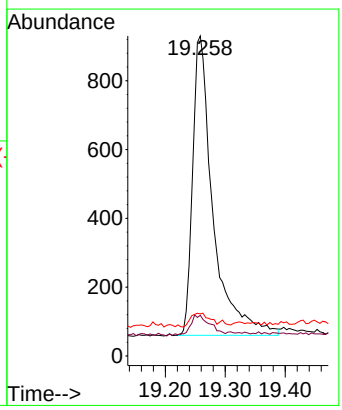
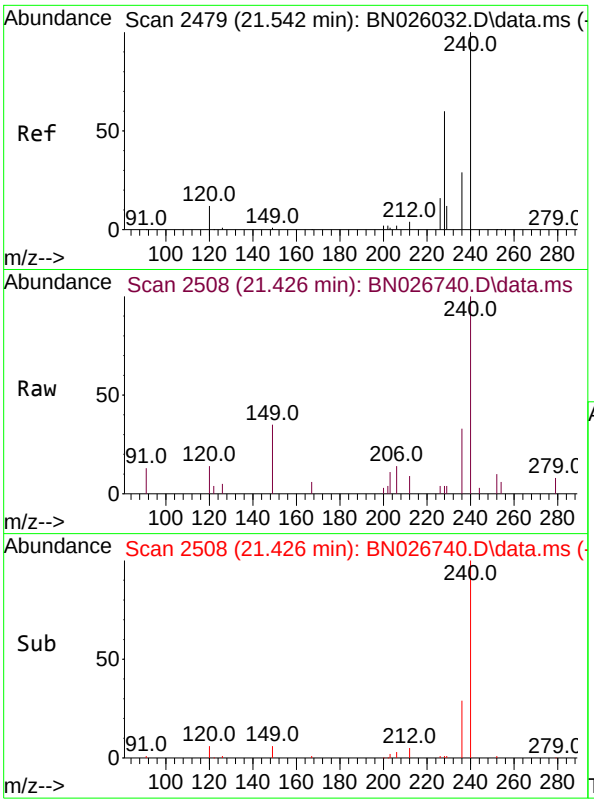


#27
Fluoranthene-d10
Concen: 0.151 ng
RT: 19.258 min Scan# 2085
Delta R.T. 0.009 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:212 Resp: 2053

Ion	Ratio	Lower	Upper
212	100		
106	7.0	11.6	17.4#
104	4.3	7.2	10.8#

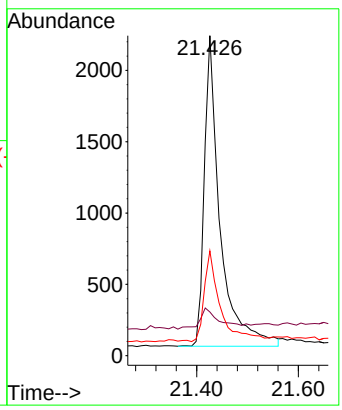




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.426 min Scan# 2
Delta R.T. 0.018 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:240 Resp: 467

Ion	Ratio	Lower	Upper
240	100		
120	13.6	14.6	22.0#
236	32.8	24.2	36.2



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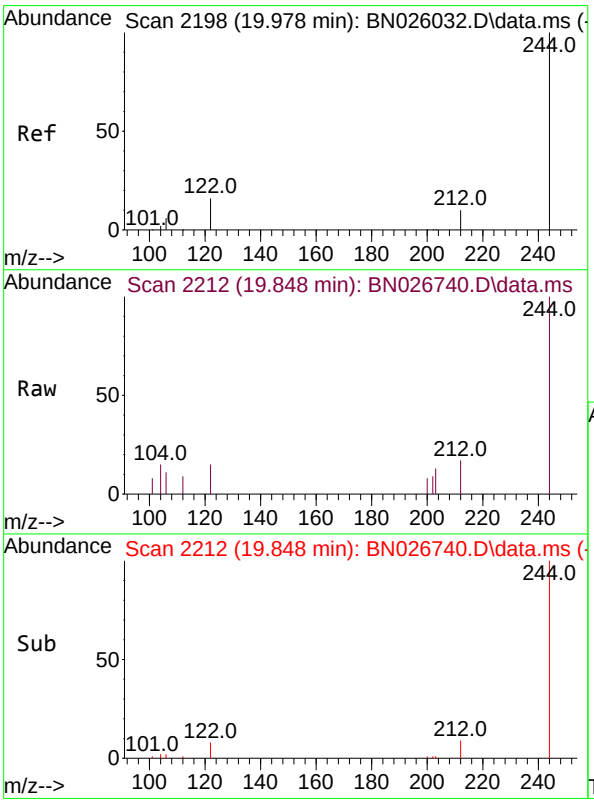
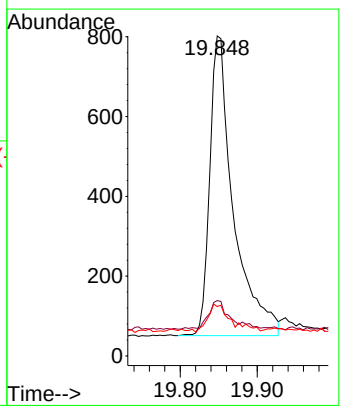
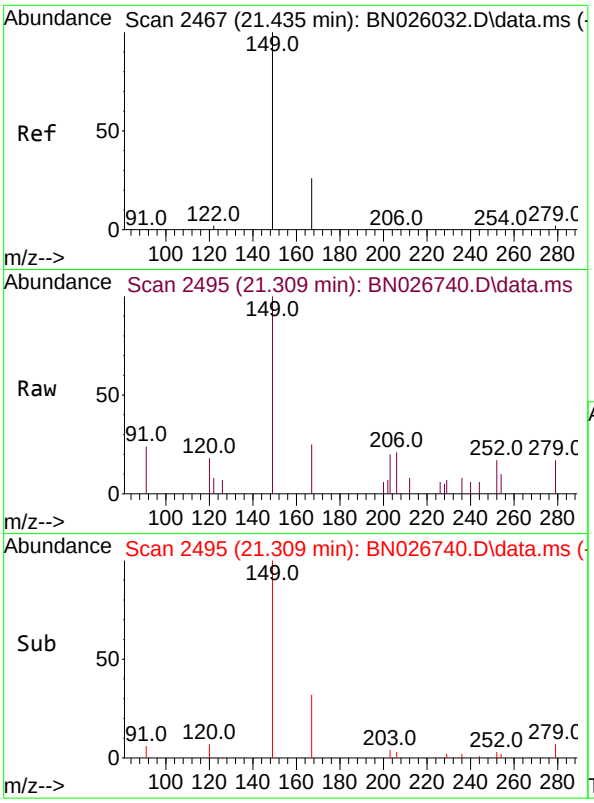


#31
Terphenyl-d14
Concen: 0.134 ng
RT: 19.848 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:244 Resp: 1602

Ion	Ratio	Lower	Upper
244	100		
212	17.3	8.7	13.1#
122	15.5	13.7	20.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.055 ng
RT: 21.309 min Scan# 24
Delta R.T. 0.009 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:149 Resp: 82

Ion	Ratio	Lower	Upper
149	100		
167	28.1	20.2	30.4
279	7.5	2.4	3.6

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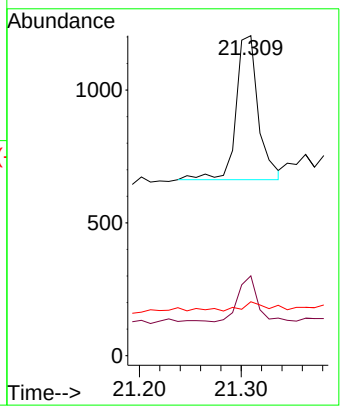
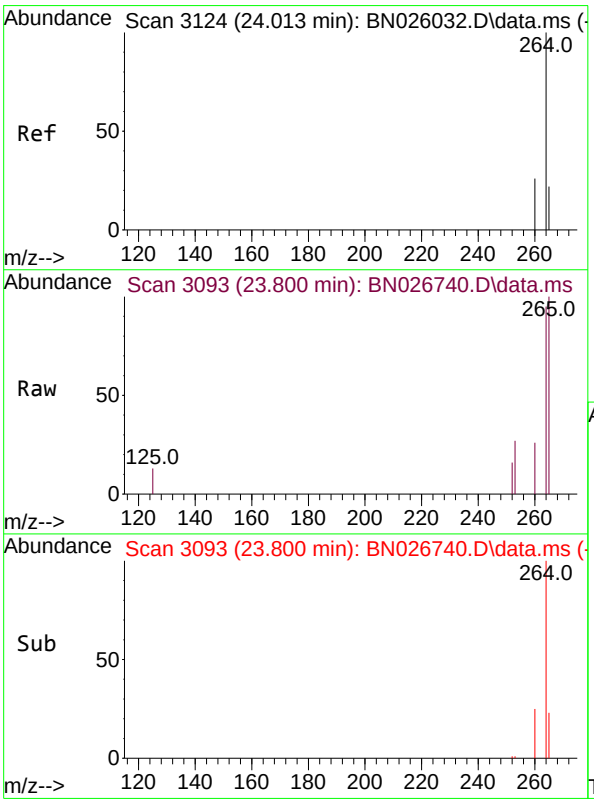
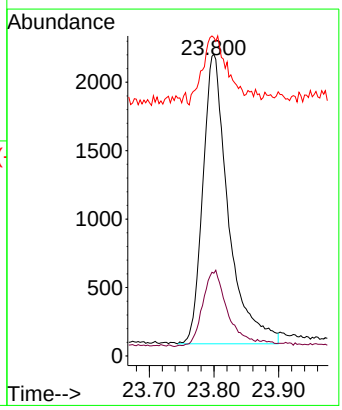




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.800 min Scan# 3093
Delta R.T. 0.018 min
Lab File: BN026740.D
Acq: 25 Jul 2023 08:30

Tgt Ion:264 Resp: 5794

Ion	Ratio	Lower	Upper
264	100		
260	27.5	21.9	32.9
265	105.5	80.3	120.5