Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020155.D
Acq On : 07 May 2019 05:50
Operator : JU/SJ
Sample : K2672-02 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SB-01-COMP

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Quant Time: May 07 06:48:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	165695	20.00	ng		0.00
21) Naphthalene-d8	10.59	136	617011	20.00	ng		0.00
39) Acenaphthene-d10	14.44	164	354313	20.00	ng		0.00
64) Phenanthrene-d10	17.19	188	821993	20.00	ng		0.00
76) Chrysene-d12	21.37	240	814202	20.00	ng		0.00
87) Perylene-d12	23.67	264	952401	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	198028	19.54	ng		0.00
7) Phenol-d6	6.96	99	274870	19.85	ng		0.00
23) Nitrobenzene-d5	8.96	82	179468	11.48	ng		0.00
42) 2,4,6-Tribromophenol	15.93	330	103422	18.81	ng		0.00
45) 2-Fluorobiphenyl	13.05	172	358794	12.46	ng		0.00
79) Terphenyl-d14	19.80	244	533797	11.44	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.23	178	124124	2.736	ng		96
75) Fluoranthene	19.24	202	304816	5.309	ng		98
78) Pyrene	19.61	202	264524	4.839	ng		99
81) Benzo(a)anthracene	21.35	228	172458	3.020	ng		92
83) Chrysene	21.40	228	152334m	2.751	ng		
88) Benzo(b)fluoranthene	22.97	252	239606	3.810	ng	#	87
90) Benzo(a)pyrene	23.56	252	175478	3.072	ng	#	85
92) Benzo(g,h,i)perylene	26.73	276	137043	2.430	ng	#	88

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

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Instrument :
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ClientSampleId :
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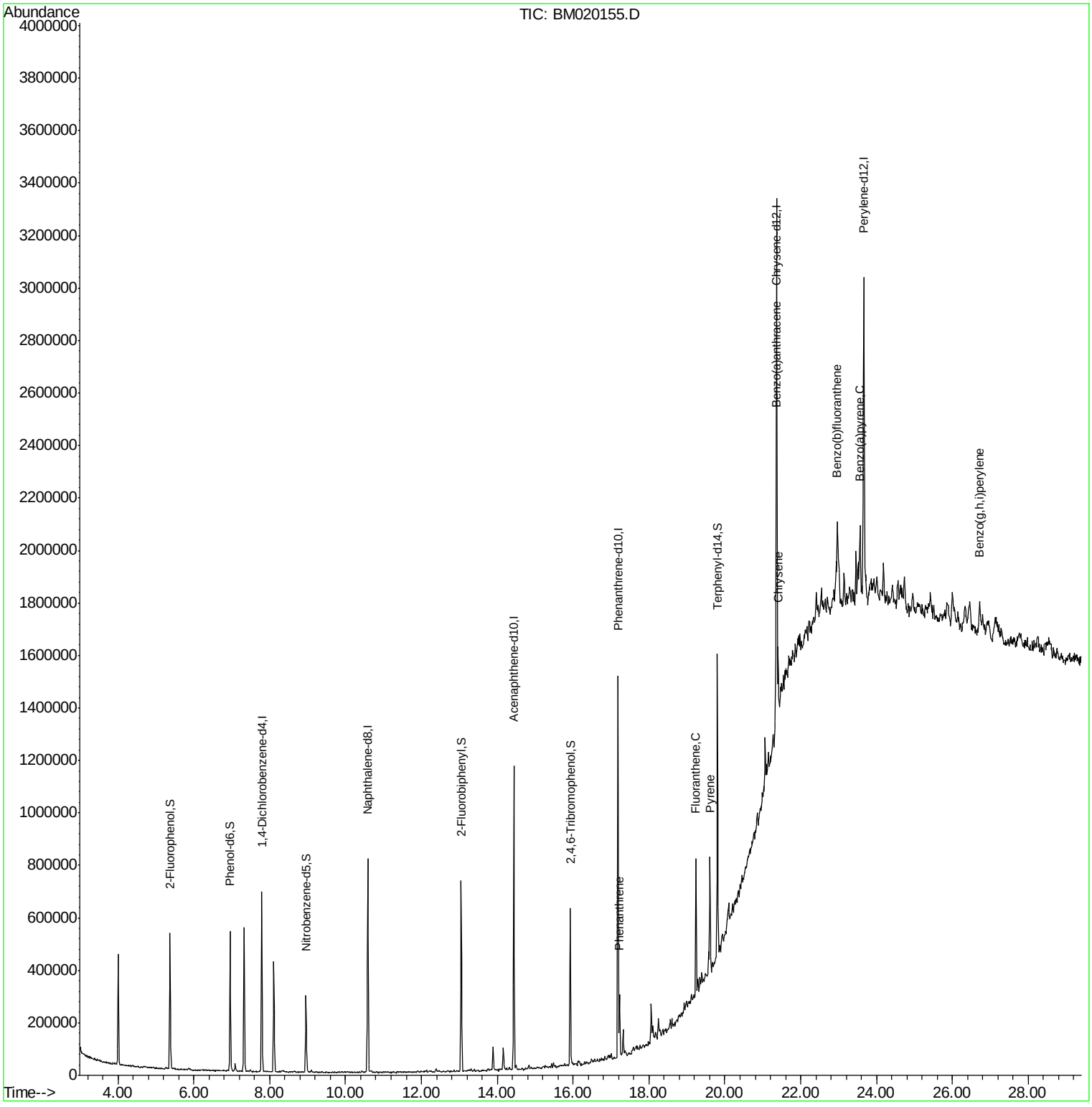
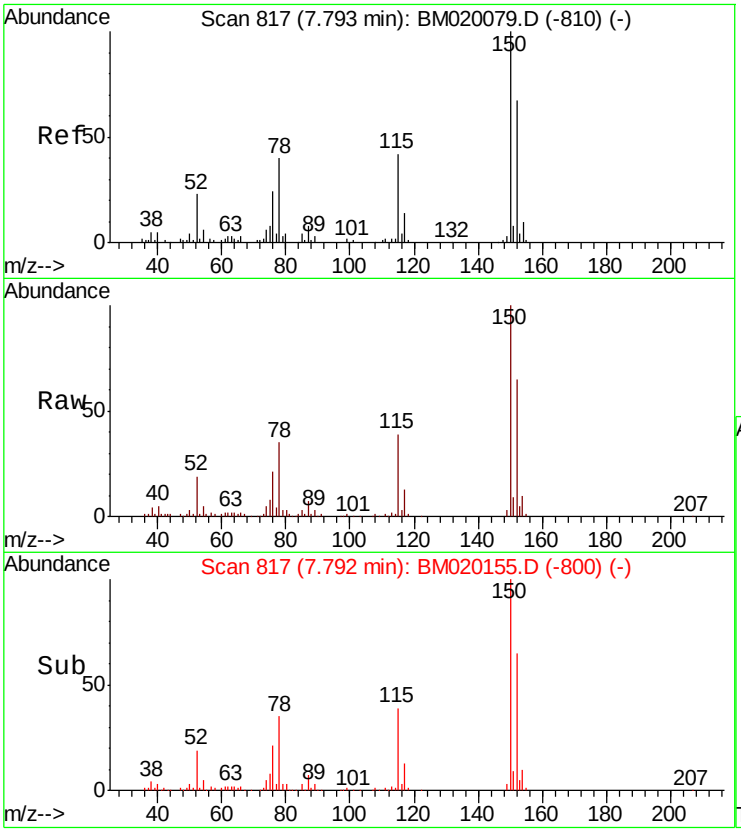
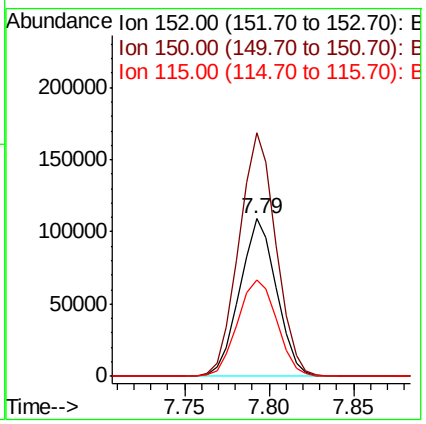




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:152 Resp: 165695

Ion	Ratio	Lower	Upper
152	100		
150	154.5	119.8	179.8
115	61.0	50.8	76.2



Instrument :
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ClientSampleId :
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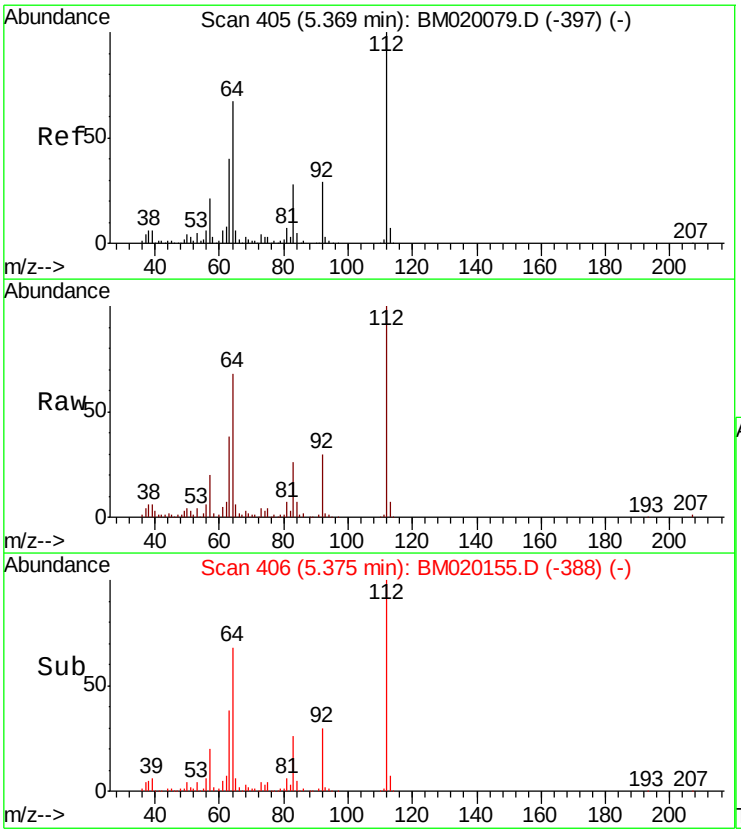
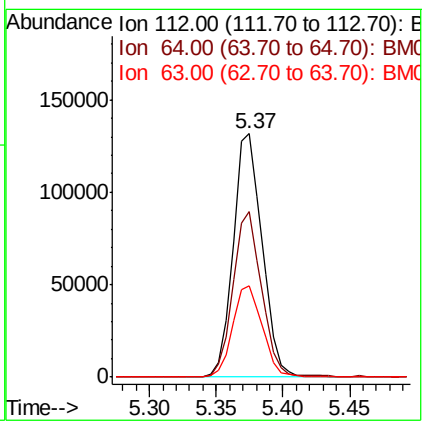
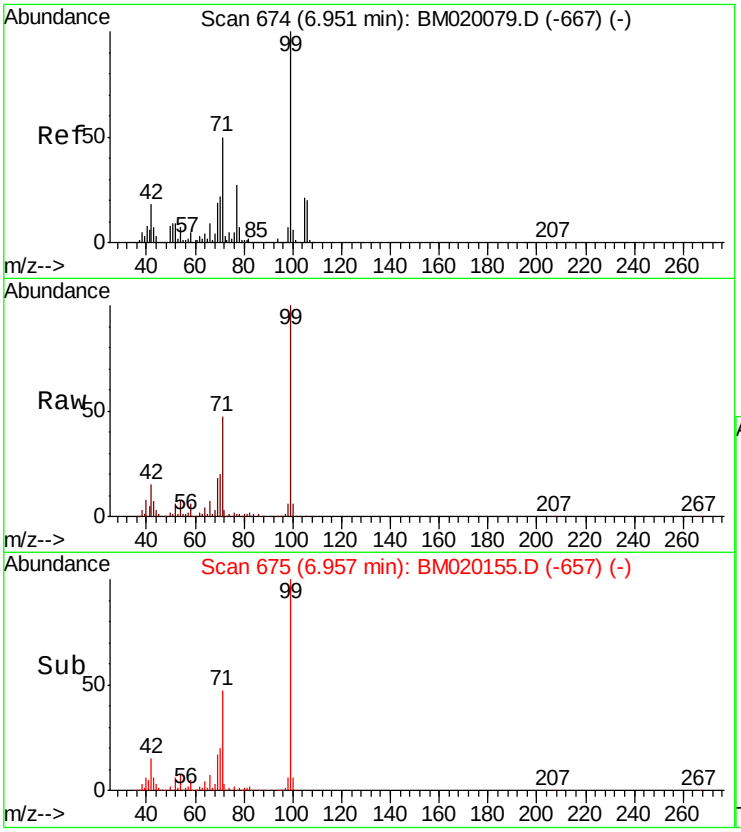


#5
2-Fluorophenol
Concen: 19.536 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:112 Resp: 198028

Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.8	80.6
63	37.6	32.3	48.5

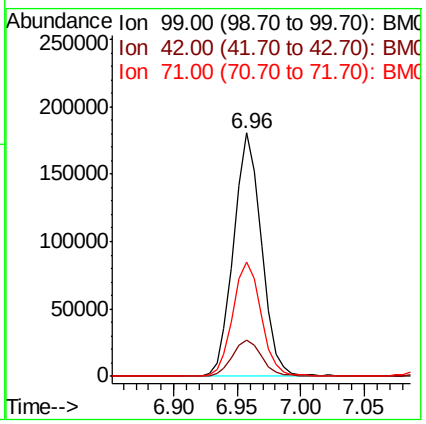




#7
Phenol-d6
Concen: 19.849 ng
RT: 6.96 min Scan# 675
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion: 99 Resp: 274870

Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.2	21.2
71	46.7	40.3	60.5



Instrument :
BNA_M
ClientSampleId :
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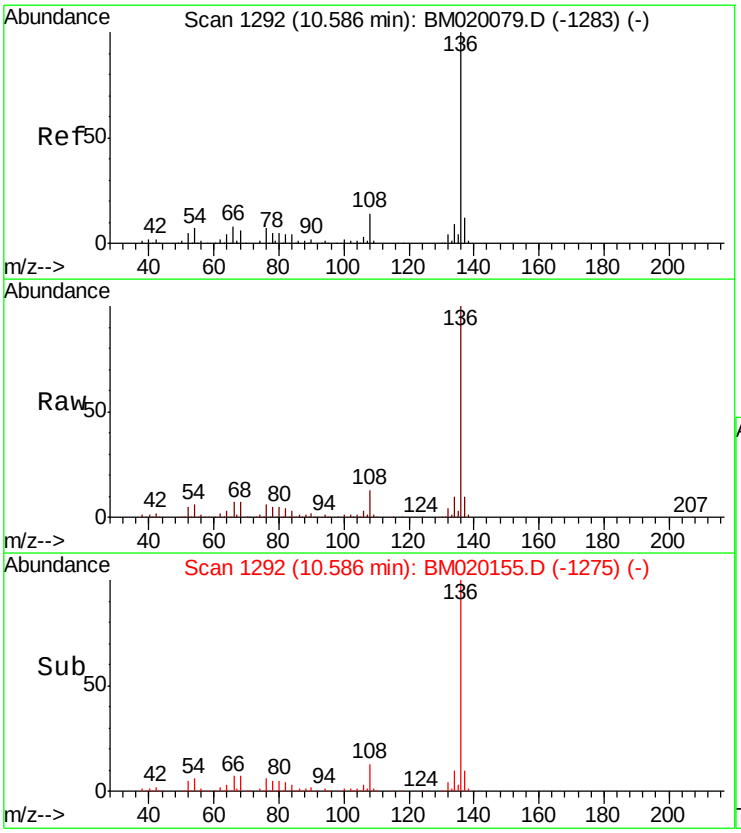
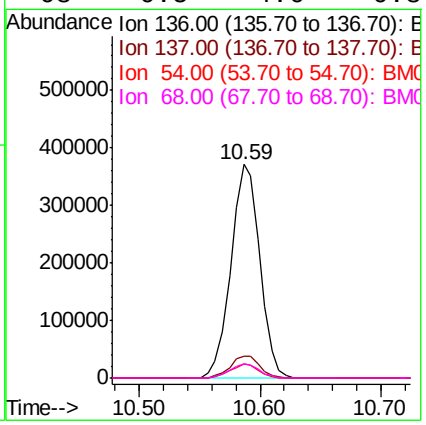
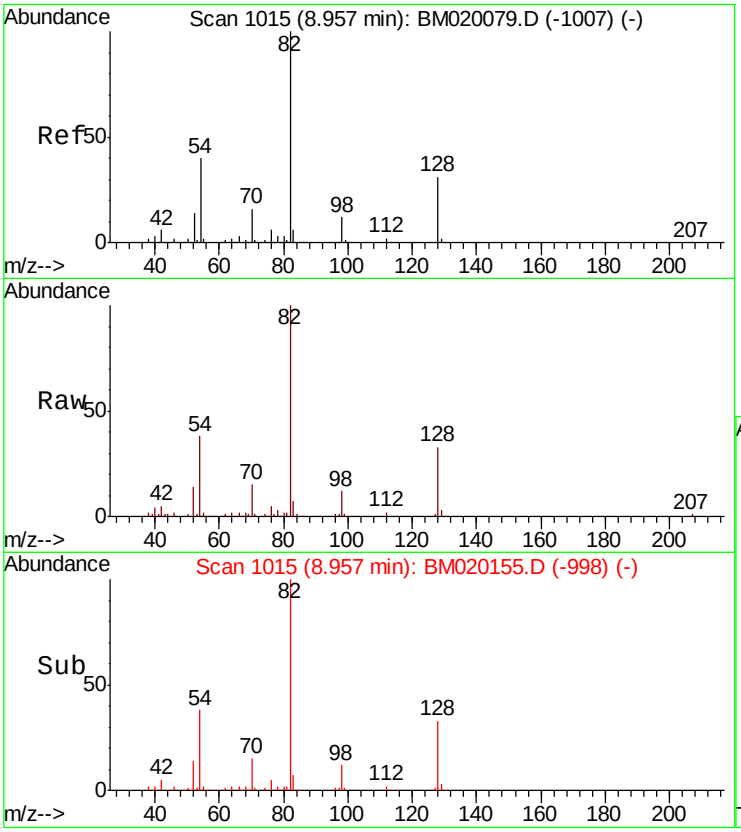


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.59 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:136 Resp: 617011

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.6	14.4
54	6.5	5.5	8.3
68	6.5	4.6	6.8





#23
Nitrobenzene-d5
Concen: 11.483 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion: 82 Resp: 179468

Ion	Ratio	Lower	Upper
82	100		
128	33.0	25.2	37.8
54	38.3	31.9	47.9

Instrument :
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ClientSampleId :
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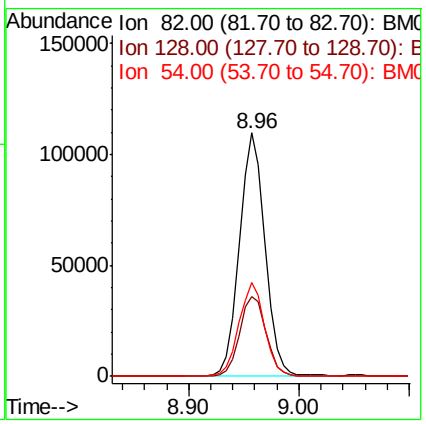
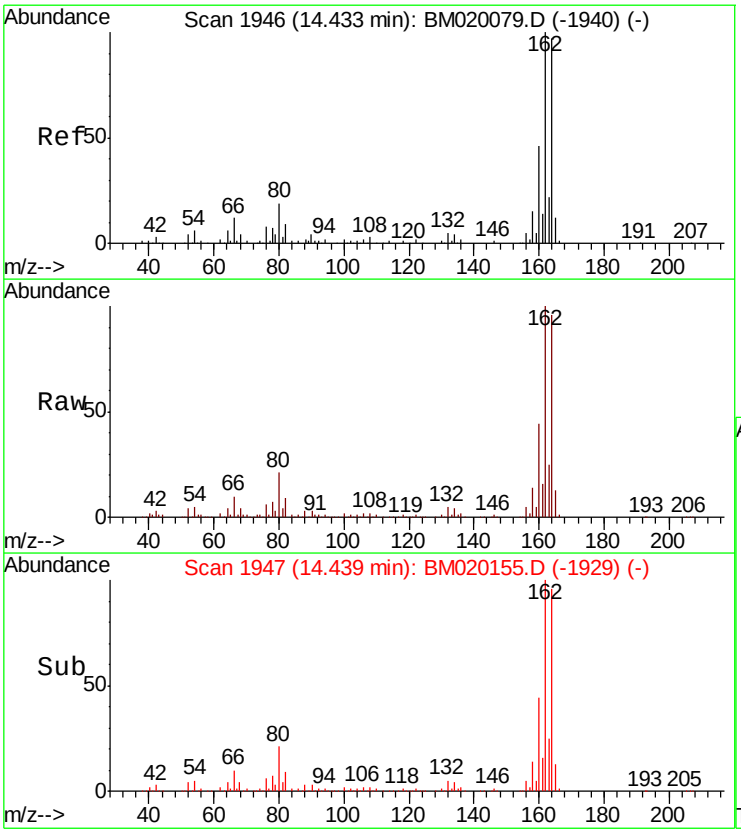
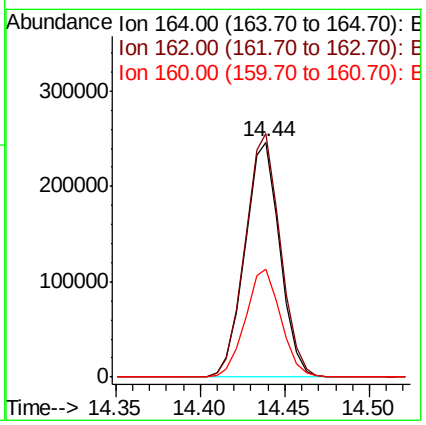


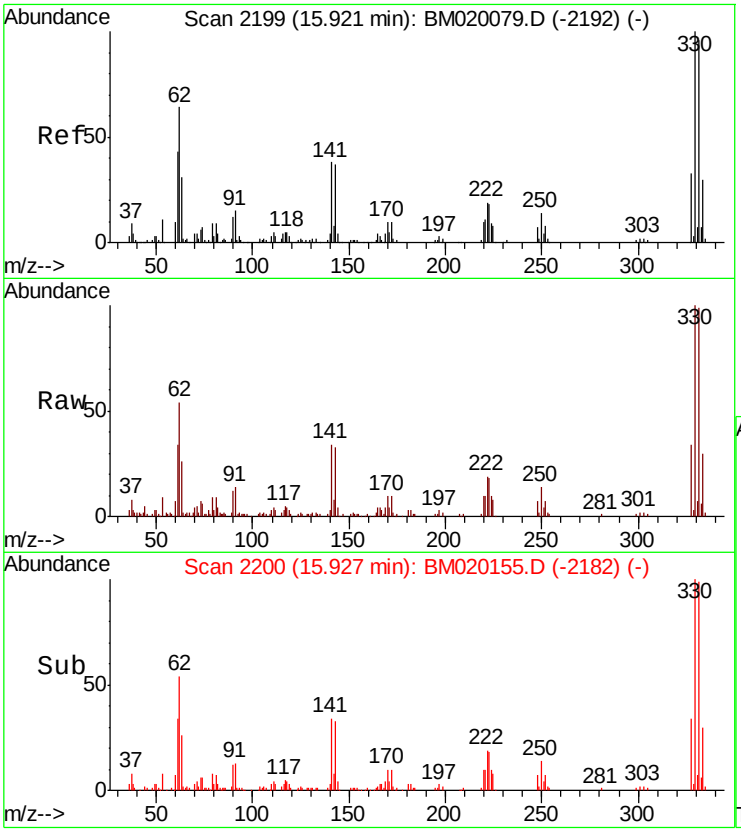


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:164 Resp: 354313

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.2	123.2
160	45.9	37.6	56.4

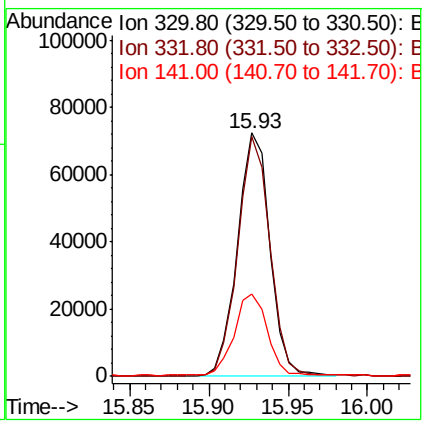




#42
2,4,6-Tribromophenol
Concen: 18.805 ng
RT: 15.93 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:330 Resp: 103422

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.8	115.2
141	35.5	29.2	43.8



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ClientSampleId :
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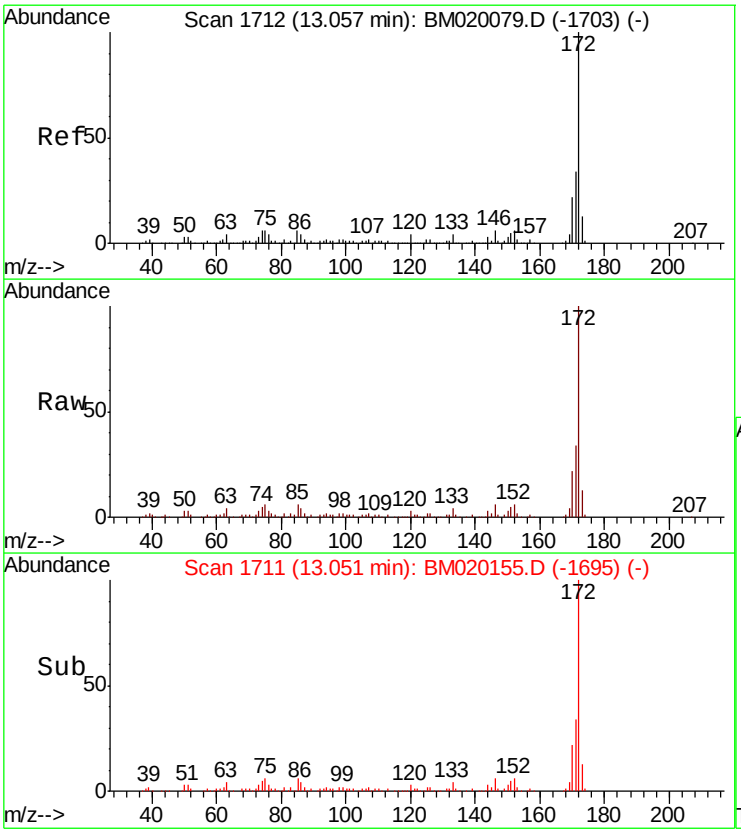
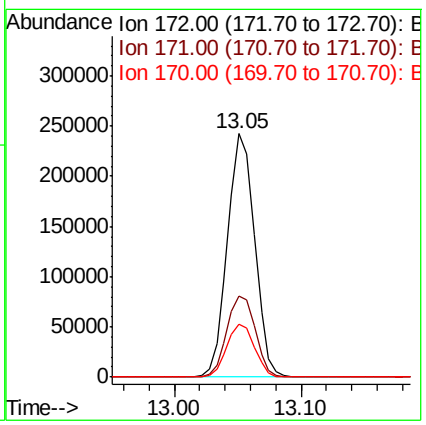
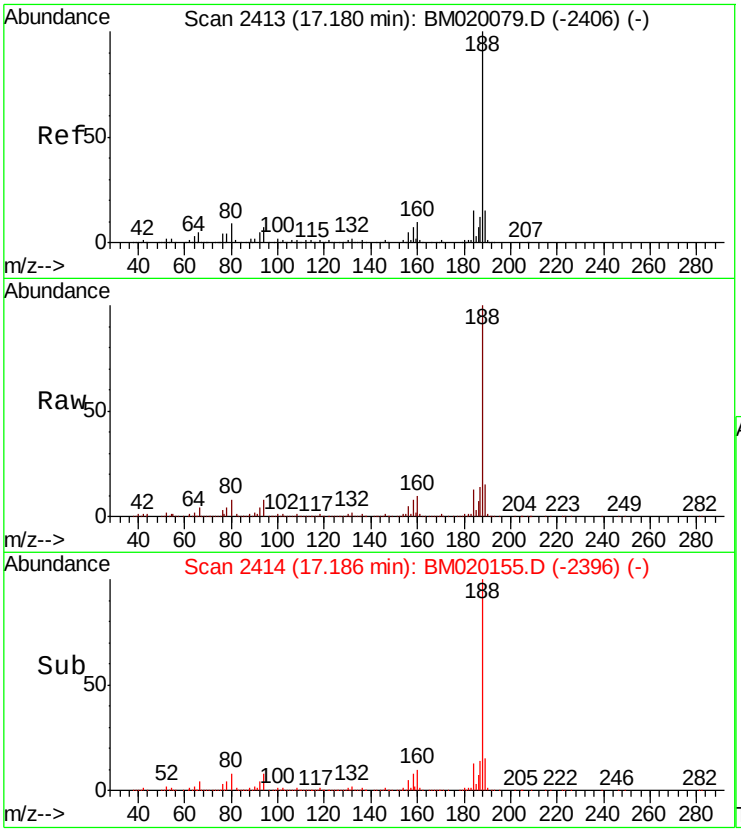


#45
2-Fluorobiphenyl
Concen: 12.459 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:172 Resp: 358794

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.3	40.9
170	21.8	17.9	26.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:188 Resp: 821993

Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.8	8.6
80	8.2	7.4	11.2

Instrument :
BNA_M
ClientSampleId :
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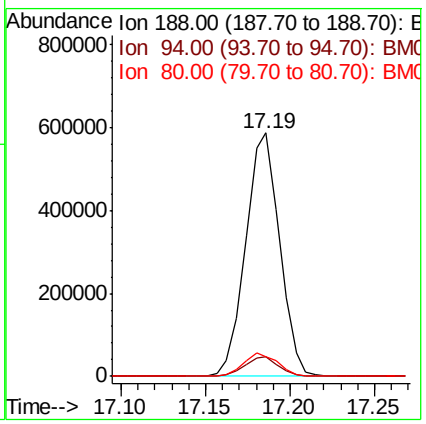
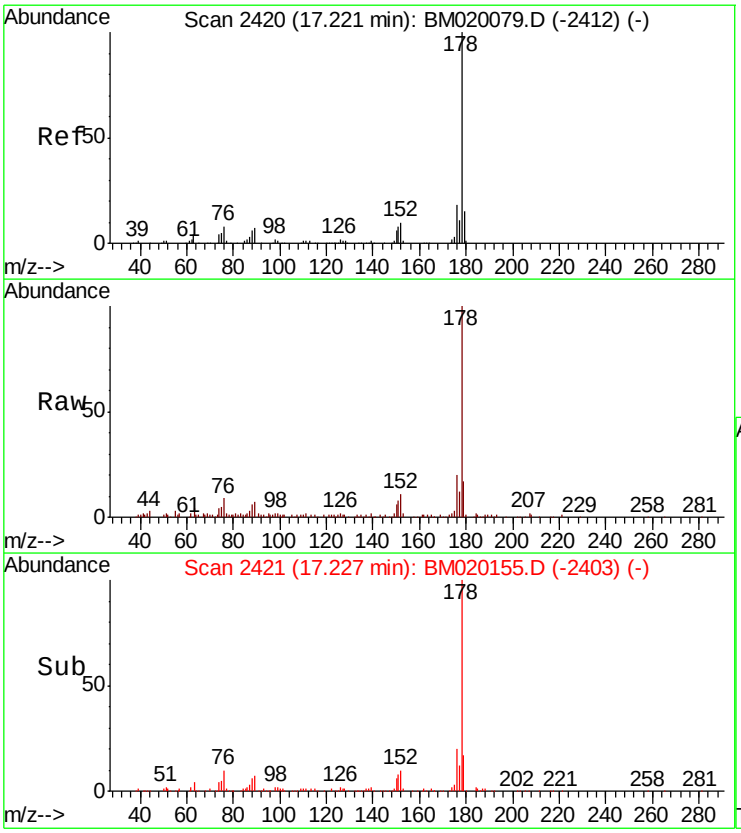
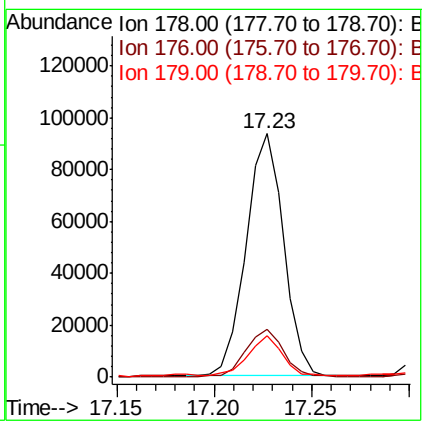


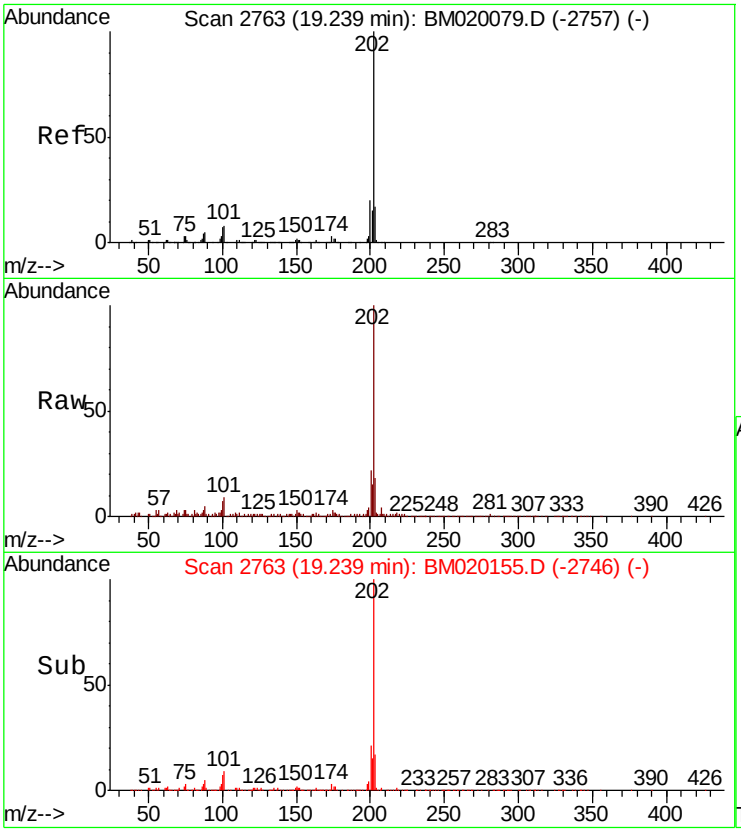


#71
Phenanthrene
Concen: 2.736 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:178 Resp: 124124

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.6	21.8
179	17.2	12.4	18.6

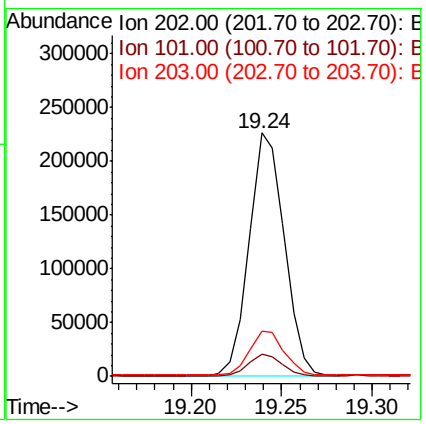




#75
Fluoranthene
Concen: 5.309 ng
RT: 19.24 min Scan# 2763
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:202 Resp: 304816

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.4
203	18.3	0.0	37.4



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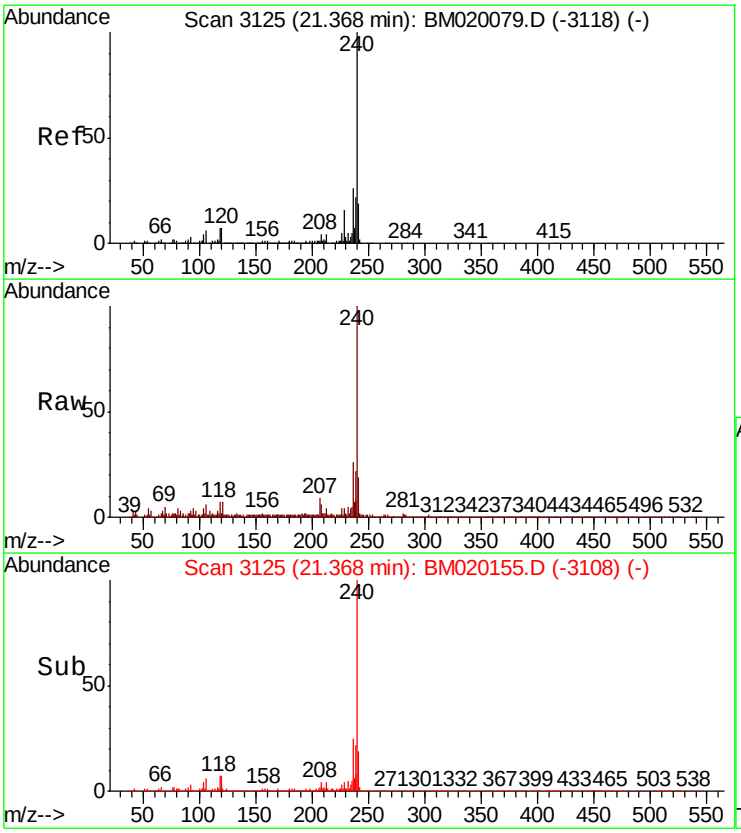
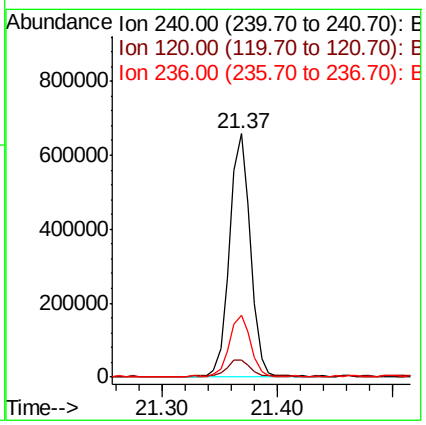
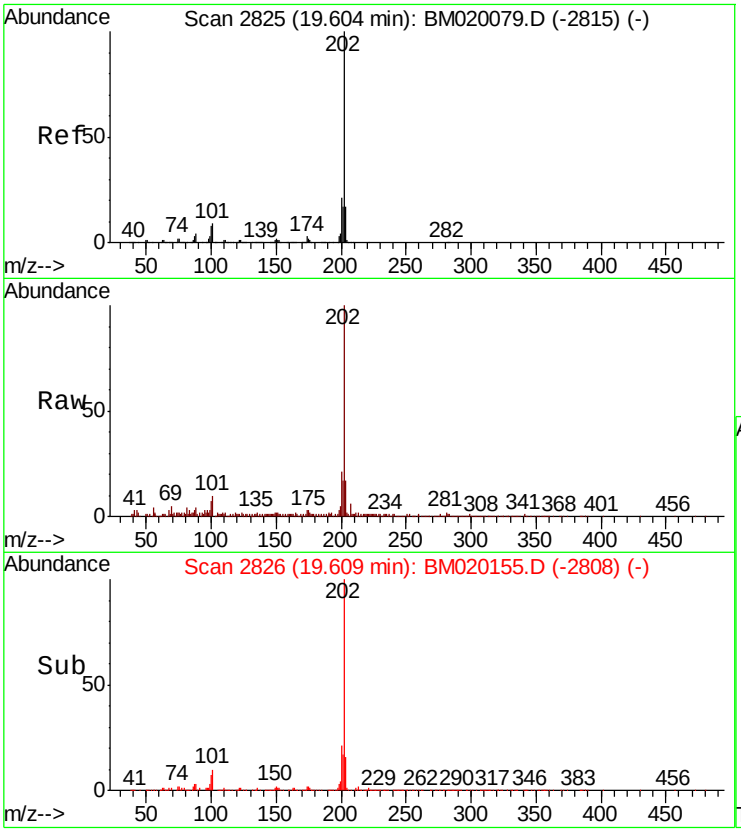


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:240 Resp: 814202

Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.6	8.4
236	25.7	20.9	31.3

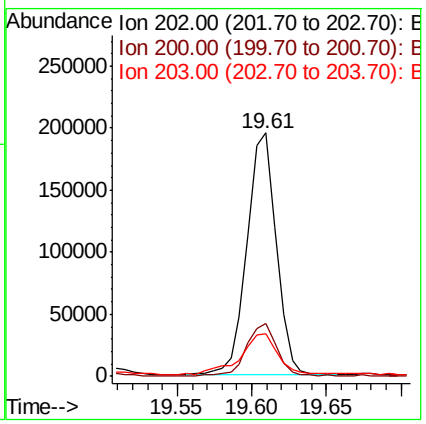




#78
Pyrene
Concen: 4.839 ng
RT: 19.61 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:202 Resp: 264524

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.5	24.7
203	17.4	13.9	20.9



Instrument :
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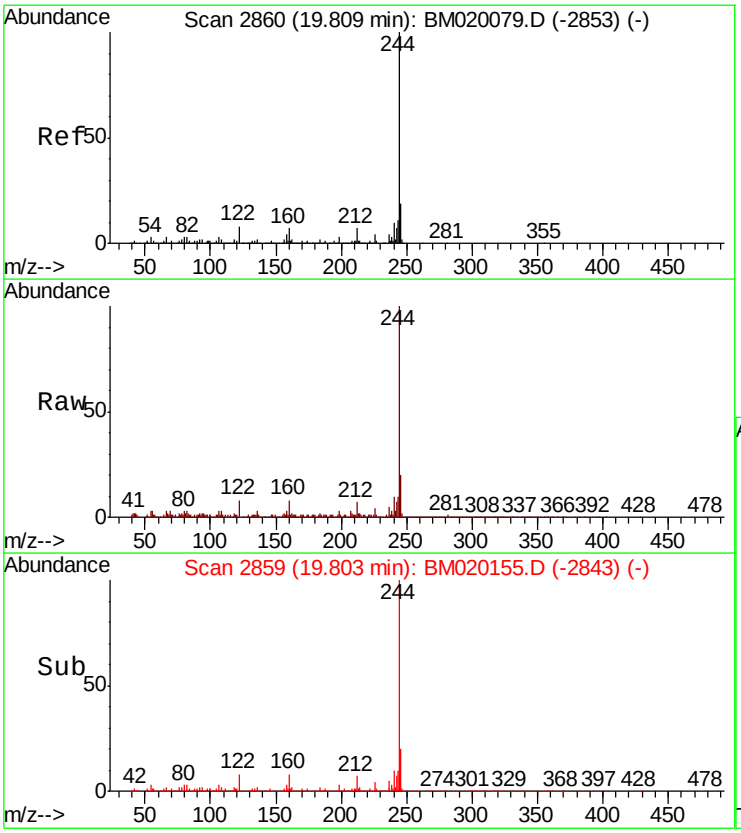
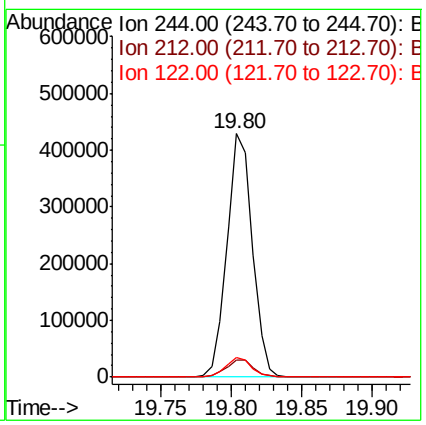
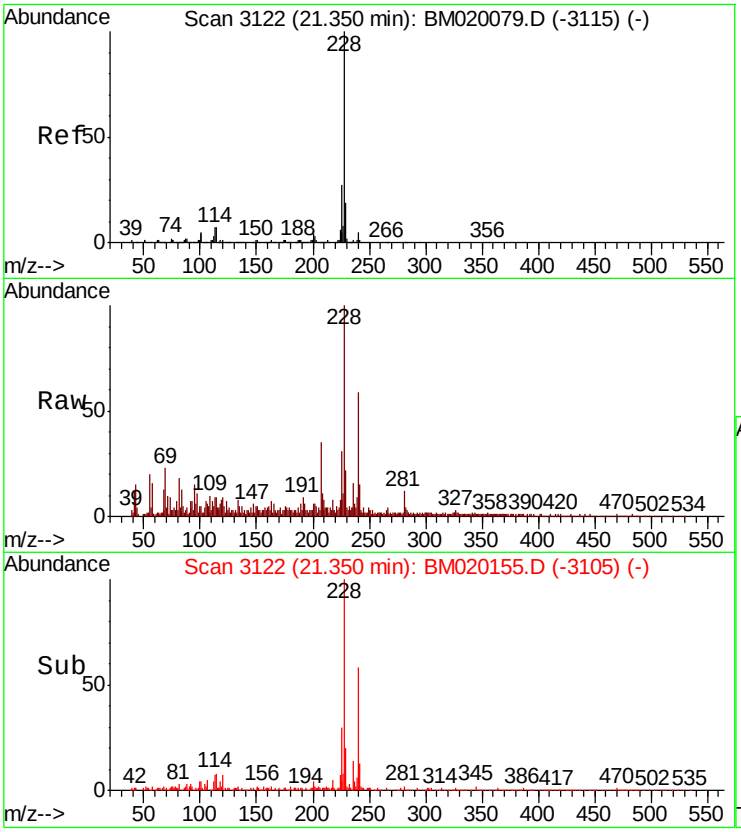


#79
Terphenyl-d14
Concen: 11.435 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:244 Resp: 533797

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	8.0	6.2	9.2

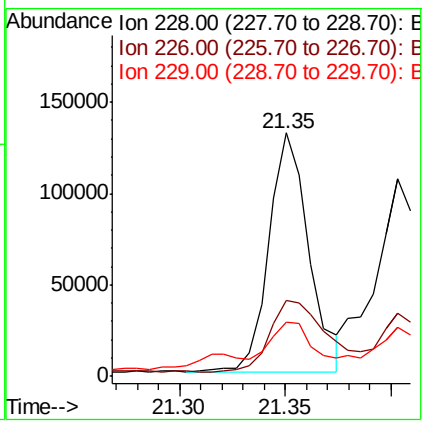




#81
Benzo(a)anthracene
Concen: 3.020 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:228 Resp: 172458

Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.3	31.9
229	22.4	15.5	23.3



Instrument :
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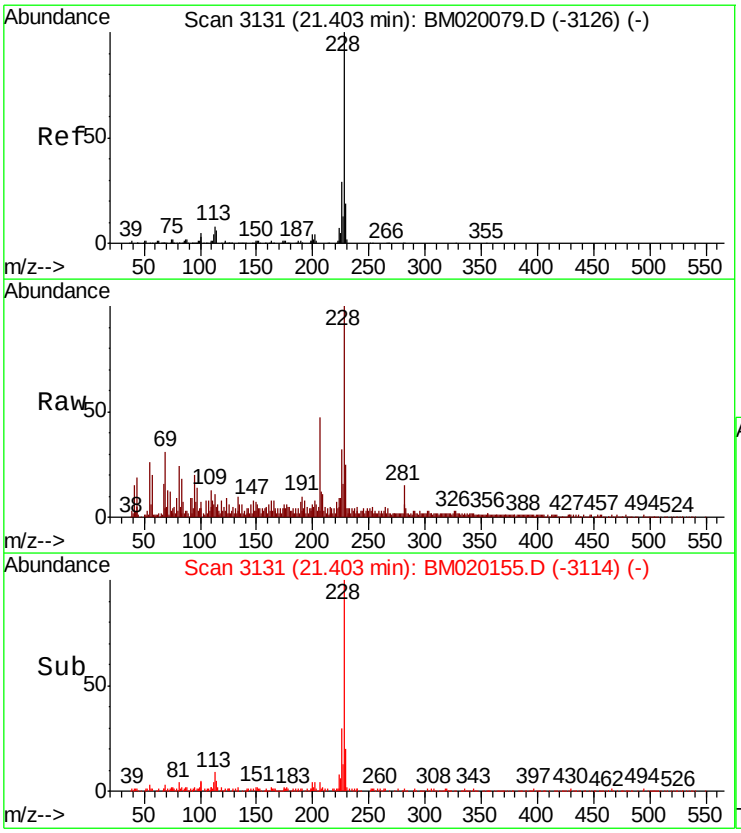
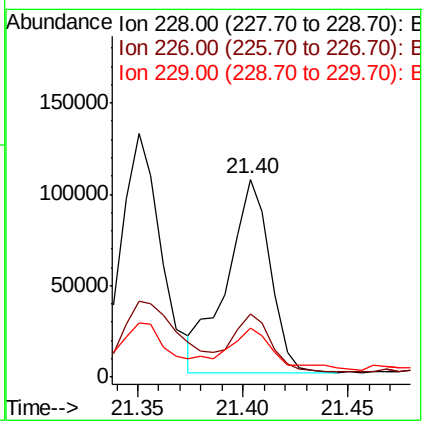
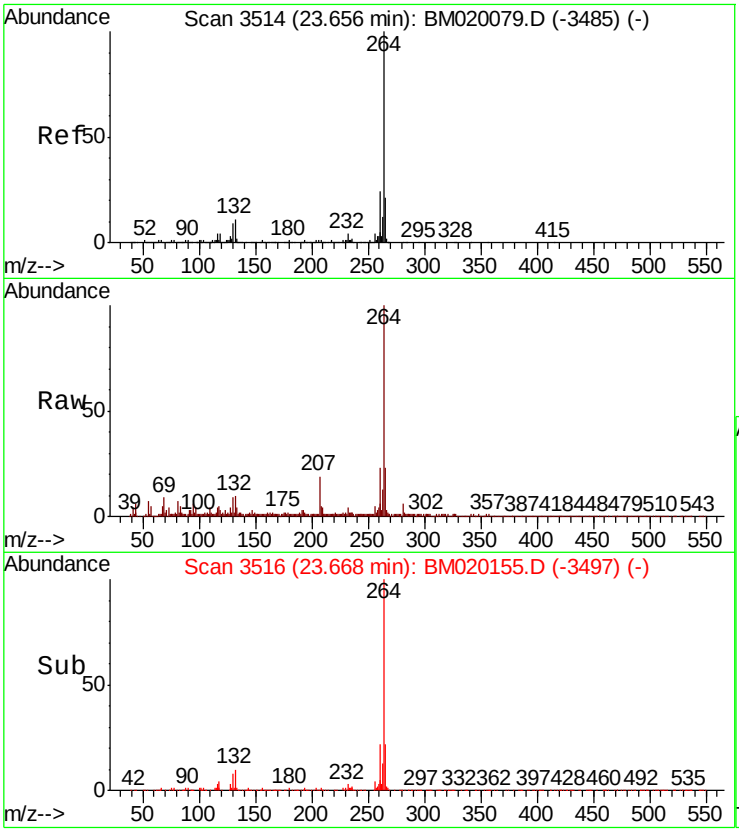


#83
Chrysene
Concen: 2.751 ng m
RT: 21.40 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:228 Resp: 152334

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.0	34.6
229	25.0	15.5	23.3#





#87
Perylene-d12
Concen: 20.000 ng
RT: 23.67 min Scan# 3516
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:264 Resp: 952401

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.8	16.9	25.3

Instrument :
BNA_M
ClientSampleId :
SB-01-COMP

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mohammad
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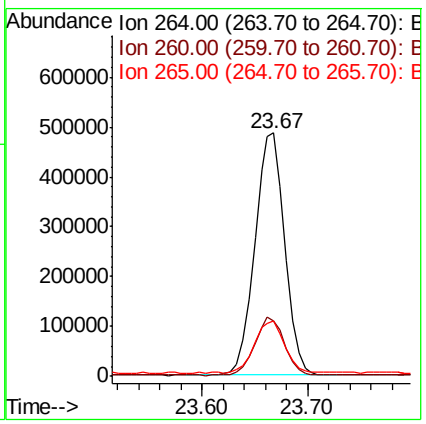
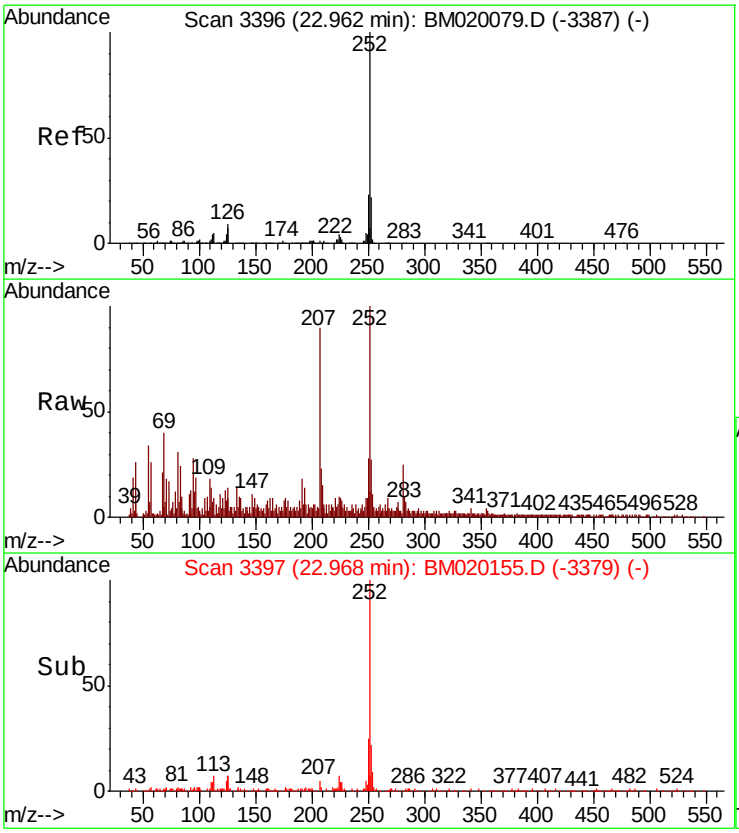
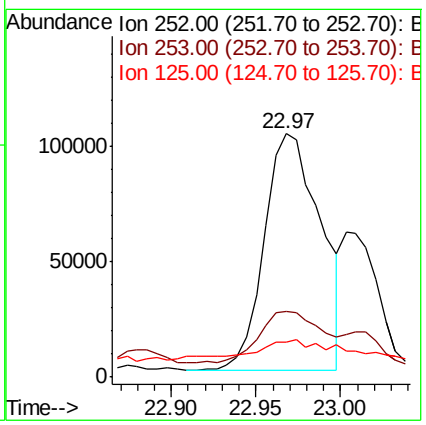


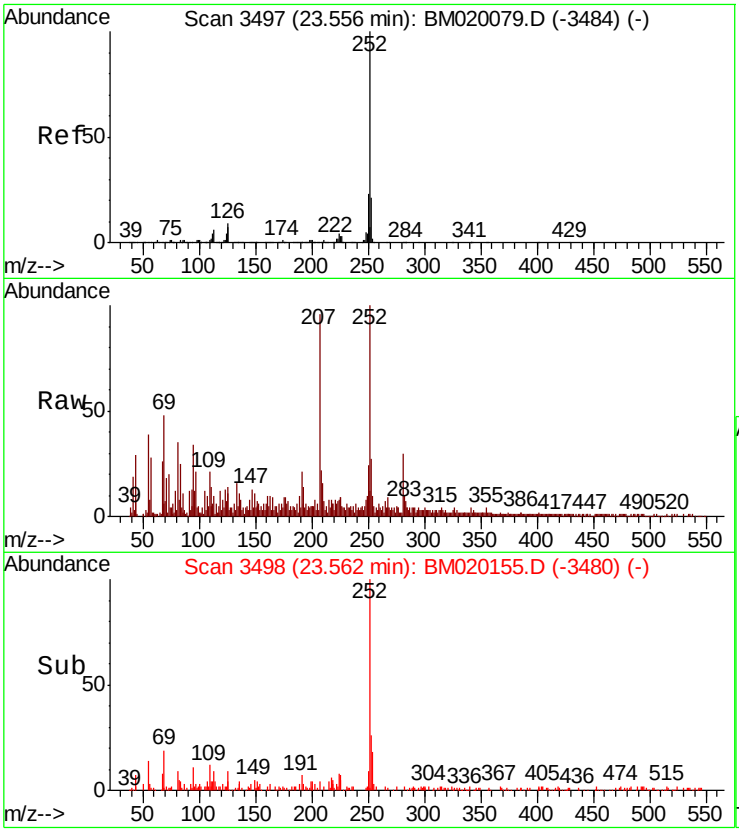


#88
Benzo(b)fluoranthene
Concen: 3.810 ng
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:252 Resp: 239606

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.5	26.3#
125	14.4	5.4	8.2#





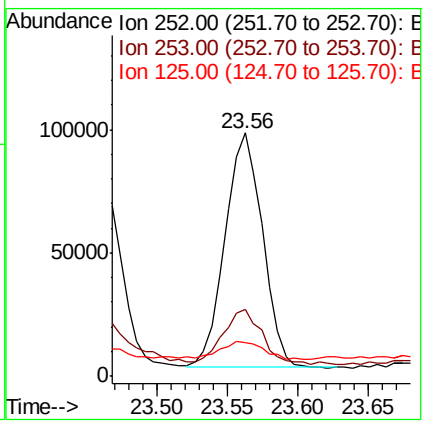
#90
Benzo(a)pyrene
Concen: 3.072 ng
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

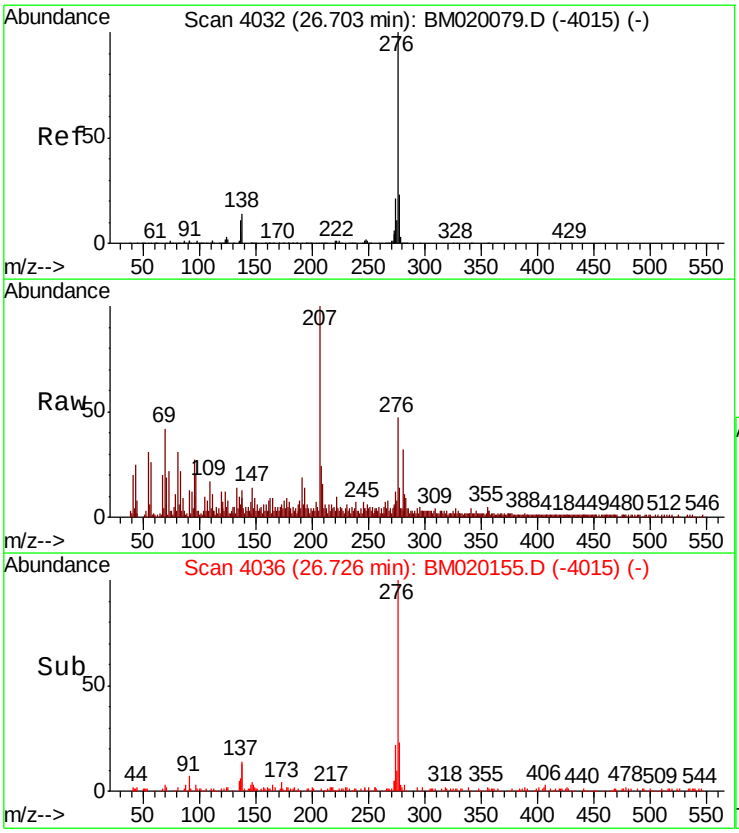
Tgt Ion:252 Resp: 175478

Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	13.9	5.5	8.3#

Instrument :
BNA_M
ClientSampleId :
SB-01-COMP

Manual Integrations APPROVED
mohammad
5/7/2019 3:12:08 PM





#92
Benzo(g,h,i)perylene
Concen: 2.430 ng
RT: 26.73 min Scan# 4036
Delta R.T. 0.02 min
Lab File: BM020155.D
Acq: 07 May 2019 05:50

Tgt Ion:276 Resp: 137043

Ion	Ratio	Lower	Upper
276	100		
277	29.0	18.4	27.6#
138	18.2	11.1	16.7#