Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022416.D
Acq On : 29 Aug 2019 20:10
Operator : HP/JU
Sample : K4471-15RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Manual Integrations APPROVED
Jagrut
8/30/2019 10:30:00 AM

Quant Time: Aug 30 08:09:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	15976	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	53926	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	33089	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	77343	20.00	ng	0.00
76) Chrysene-d12	21.16	240	121907	20.00	ng	-0.01
87) Perylene-d12	23.35	264	155993	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	128033	140.67	ng	0.00
7) Phenol-d6	6.72	99	160320	131.72	ng	0.00
23) Nitrobenzene-d5	8.69	82	111180	90.30	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	85592	126.41	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	201461	68.97	ng	0.00
79) Terphenyl-d14	19.60	244	438097	47.43	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.75	94	4229	3.459	ng	# 54
50) Dimethylphthalate	13.66	163	31341	10.890	ng	99
71) Phenanthrene	16.99	178	87833	19.483	ng	98
72) Anthracene	17.09	178	18975	4.278	ng	98
73) Carbazole	17.38	167	9992	2.725	ng	97
75) Fluoranthene	19.02	202	239248	39.850	ng	98
78) Pyrene	19.39	202	207340	24.957	ng	98
81) Benzo(a)anthracene	21.15	228	133042	15.205	ng	100
83) Chrysene	21.20	228	128538	15.434	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	96433	11.511	ng	97
88) Benzo(b)fluoranthene	22.70	252	192827m	17.793	ng	
89) Benzo(k)fluoranthene	22.74	252	68250m	6.349	ng	
90) Benzo(a)pyrene	23.26	252	137119	14.255	ng	# 99
91) Dibenzo(a,h)anthracene	25.53	278	24471	2.551	ng	# 93
92) Benzo(g,h,i)perylene	26.20	276	96343	11.525	ng	100

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
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Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Manual Integrations APPROVED
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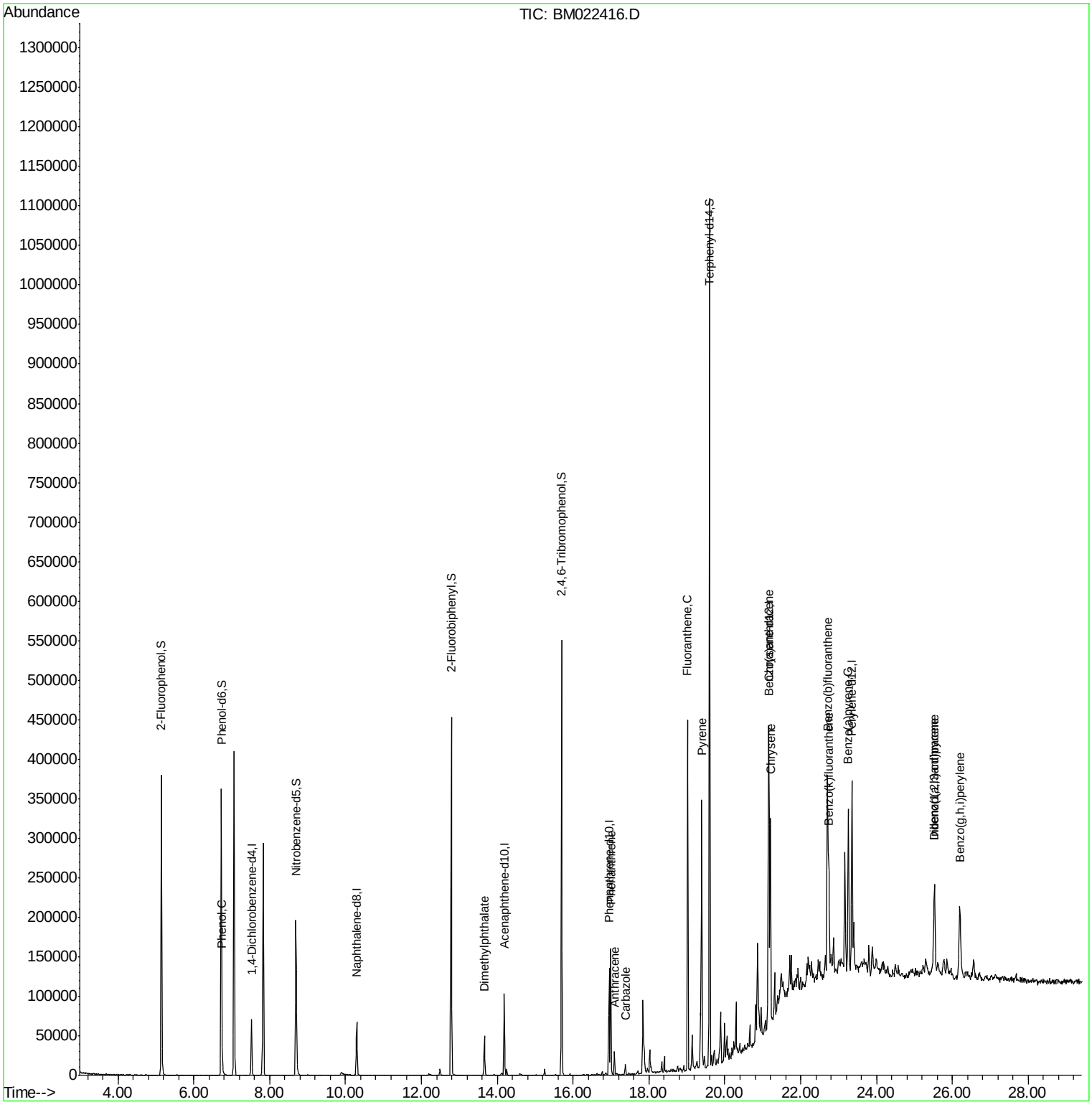
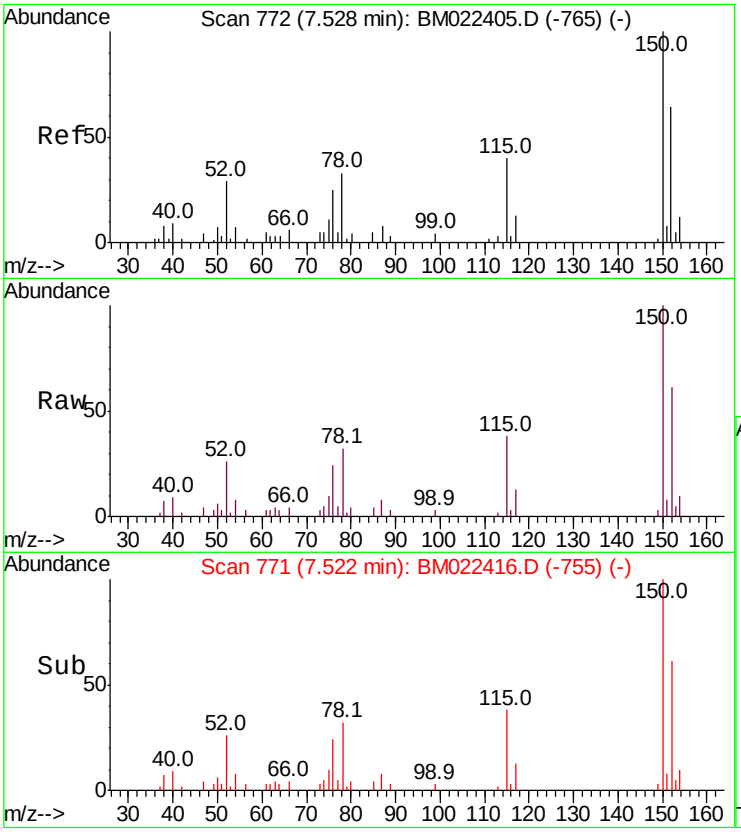
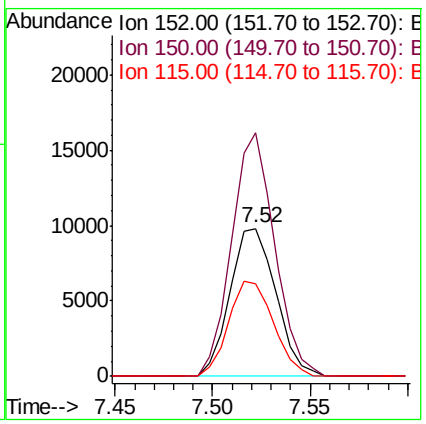




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

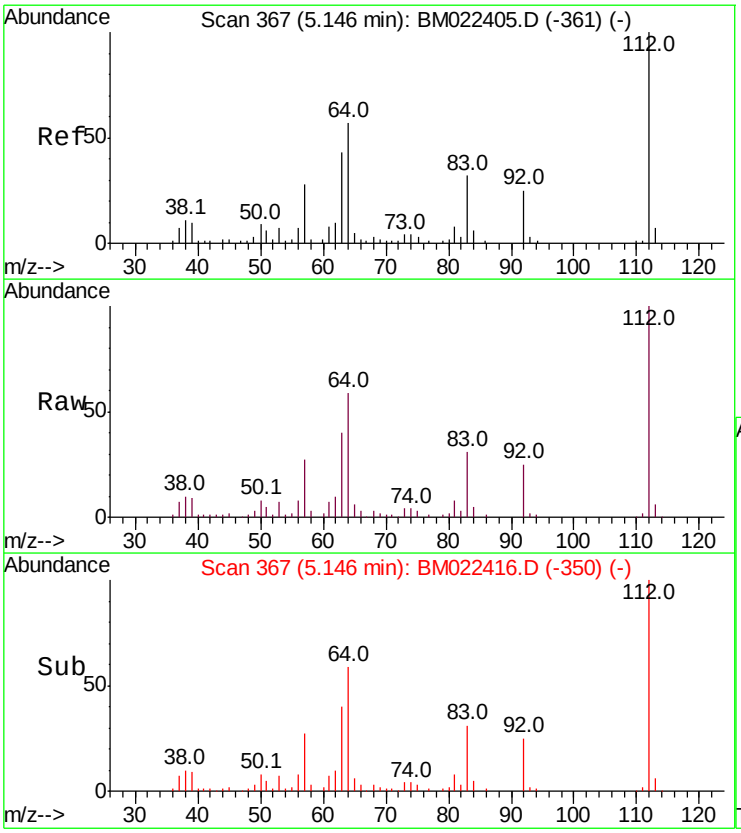
Tgt Ion:152 Resp: 15976

Ion	Ratio	Lower	Upper
152	100		
150	164.8	125.4	188.0
115	62.8	50.3	75.5



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

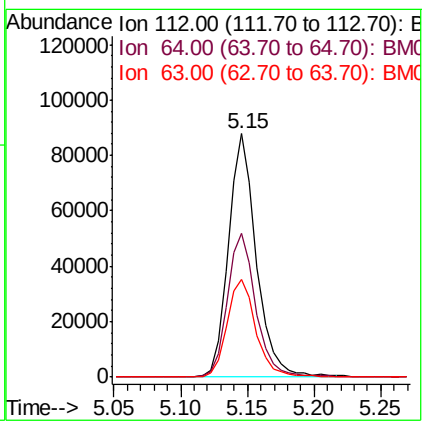
Manual Integrations APPROVED
Jagrut
8/30/2019 10:30:00 AM

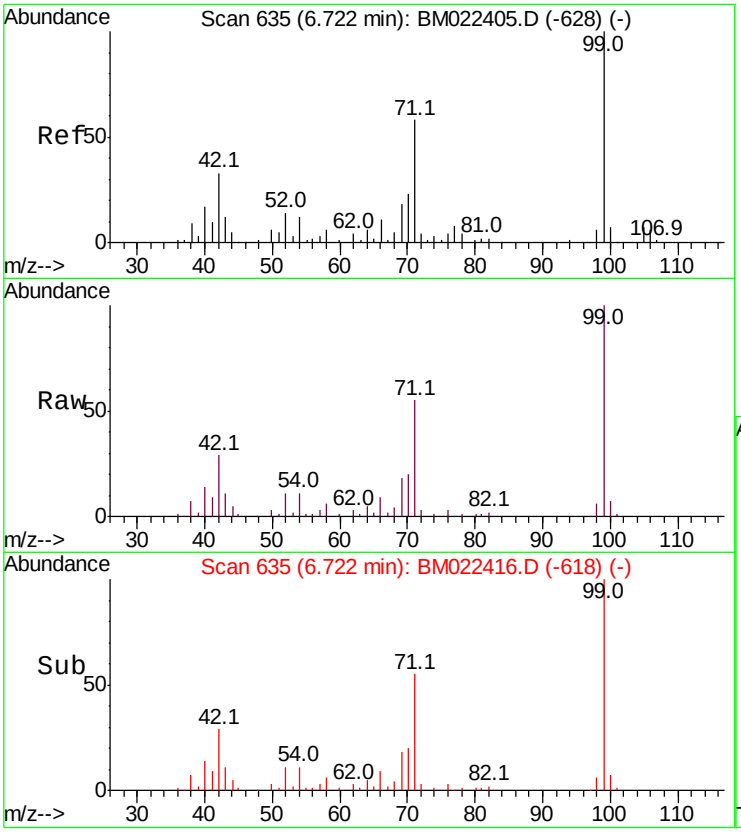


#5
2-Fluorophenol
Concen: 140.673 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:112 Resp: 128033

Ion	Ratio	Lower	Upper
112	100		
64	59.3	45.4	68.2
63	40.2	34.5	51.7

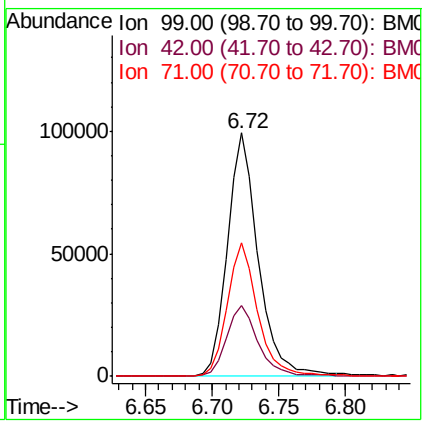




#7
Phenol-d6
Concen: 131.723 ng
RT: 6.72 min Scan# 635
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion: 99 Resp: 160320

Ion	Ratio	Lower	Upper
99	100		
42	29.0	26.3	39.5
71	55.0	46.6	69.8



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Manual Integrations APPROVED
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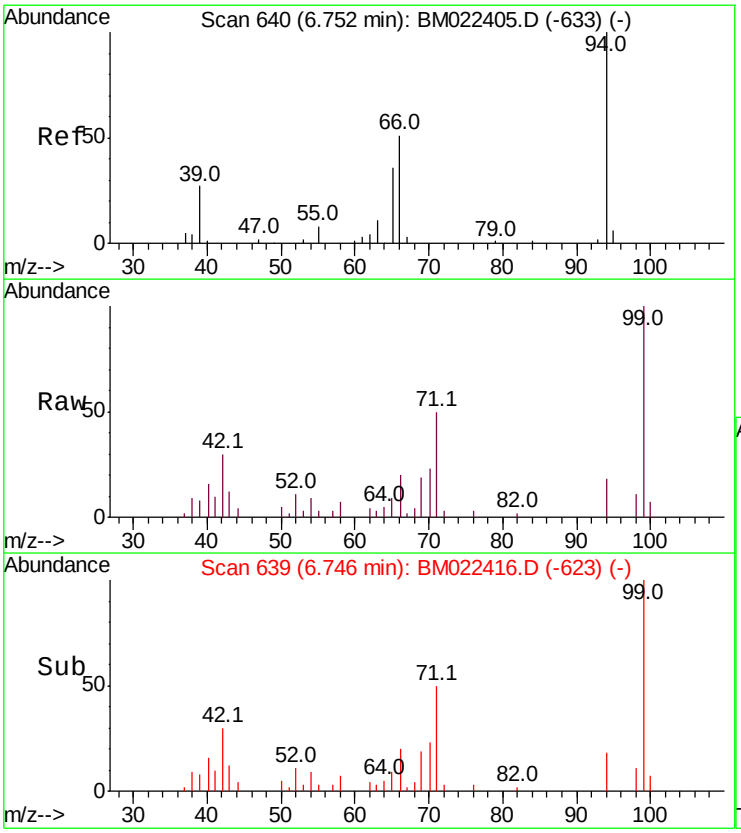
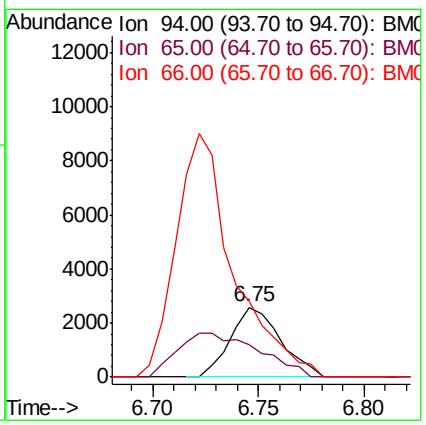
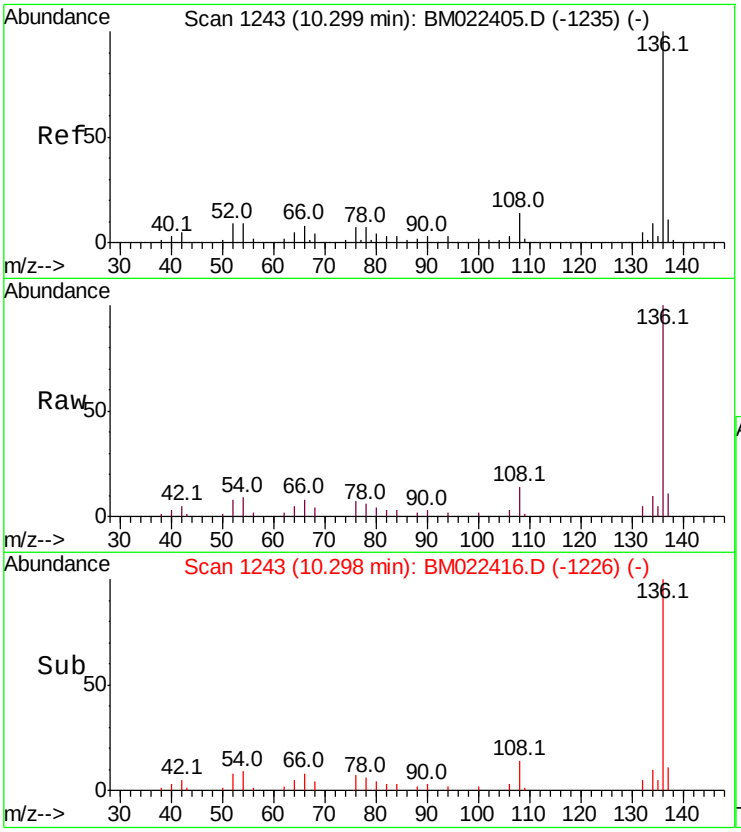


#10
Phenol
Concen: 3.459 ng
RT: 6.75 min Scan# 639
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion: 94 Resp: 4229

Ion	Ratio	Lower	Upper
94	100		
65	47.1	17.7	57.7
66	109.0	39.6	79.6#

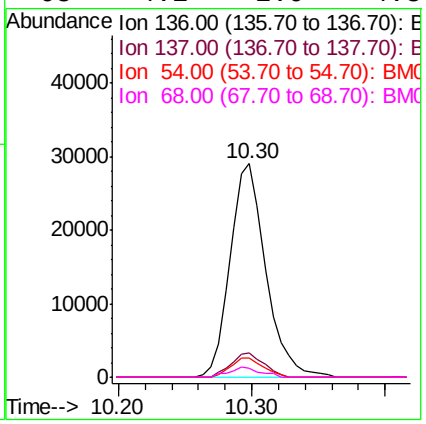




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.30 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:136 Resp: 53926

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	9.2	7.0	10.6
68	4.2	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

Manual Integrations APPROVED
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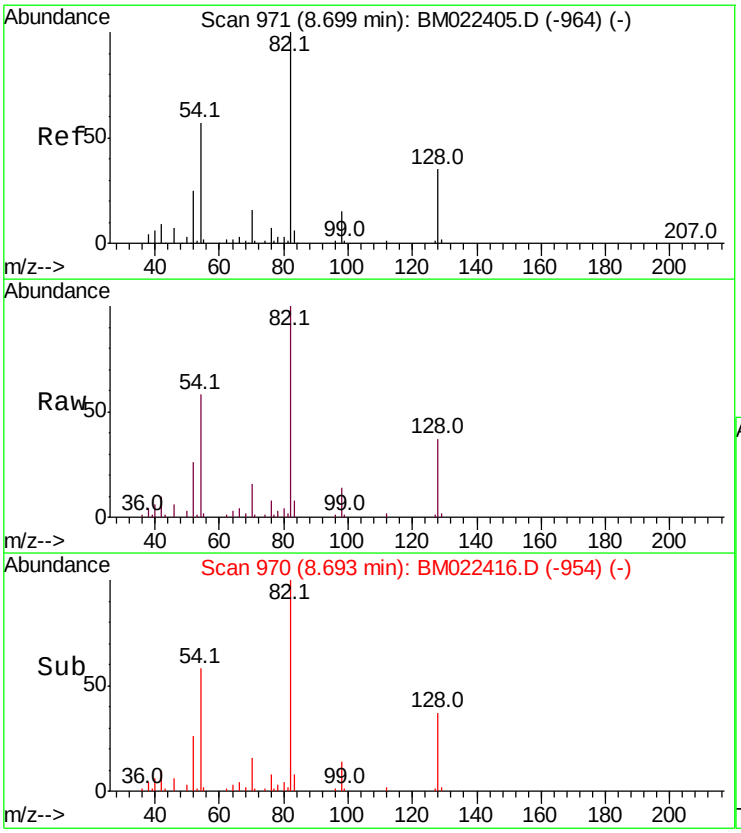
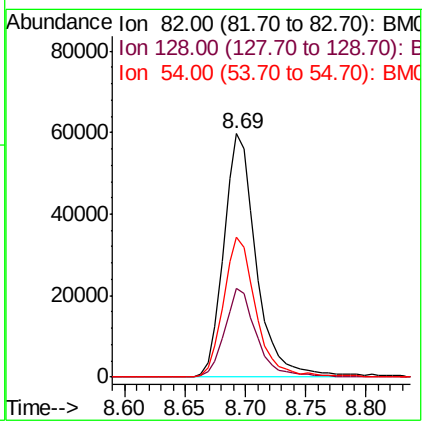
8/30/2019 10:30:00 AM

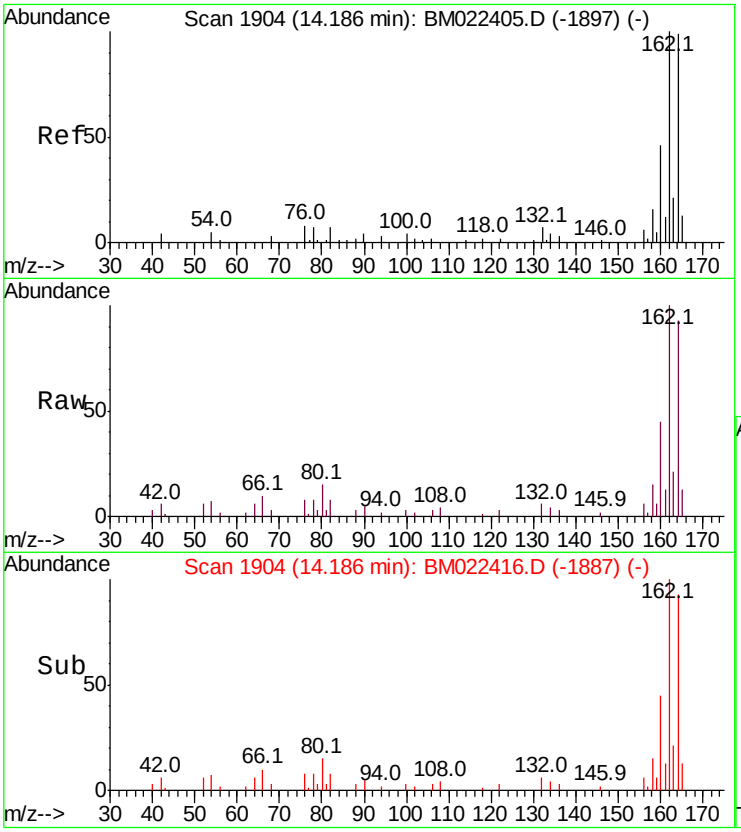


#23
Nitrobenzene-d5
Concen: 90.304 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion: 82 Resp: 111180

Ion	Ratio	Lower	Upper
82	100		
128	36.6	27.9	41.9
54	57.6	45.2	67.8

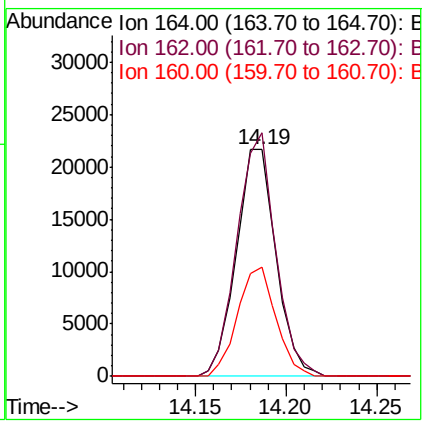




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1904
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:164 Resp: 33089

Ion	Ratio	Lower	Upper
164	100		
162	107.3	80.6	121.0
160	47.9	37.3	55.9



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

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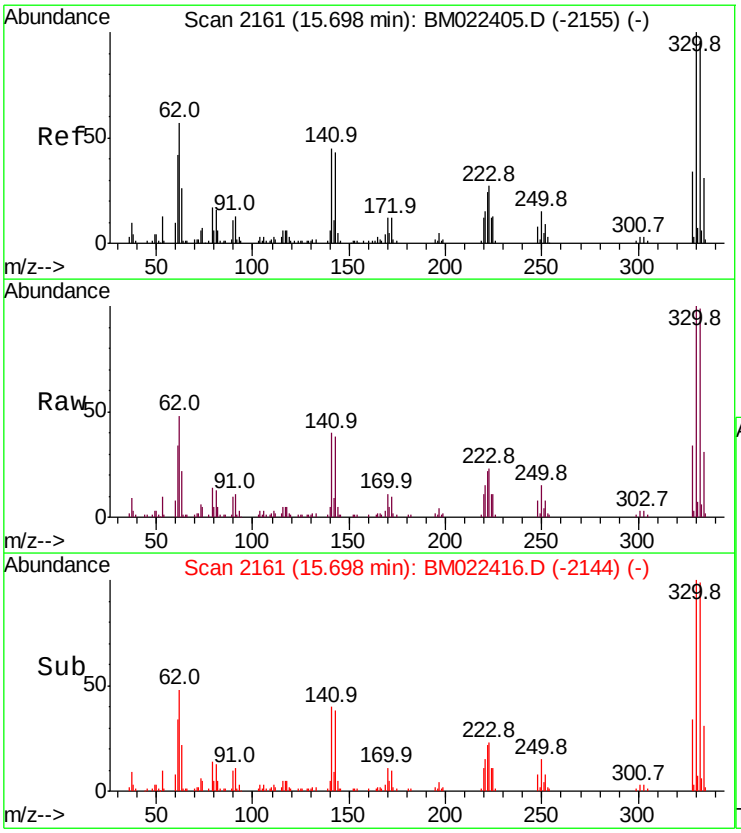
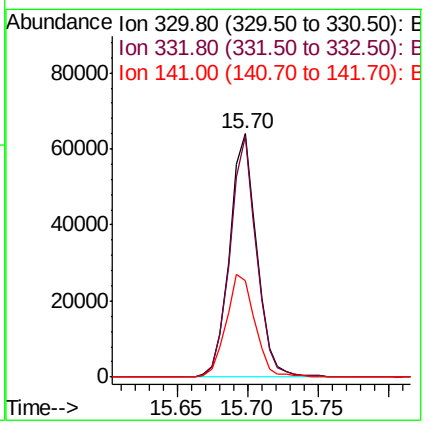
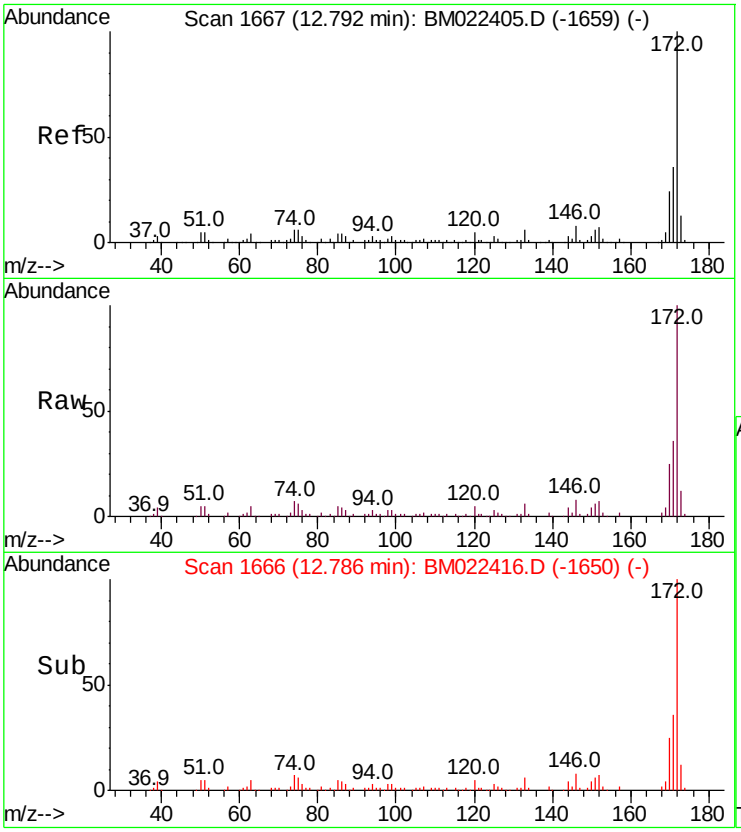


#42
2,4,6-Tribromophenol
Concen: 126.411 ng
RT: 15.70 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:330 Resp: 85592

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.8
141	44.4	35.6	53.4

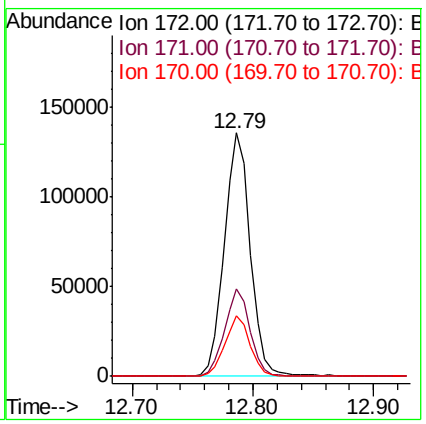




#45
2-Fluorobiphenyl
Concen: 68.973 ng
RT: 12.79 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:172 Resp: 201461

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	24.8	18.9	28.3



Instrument :
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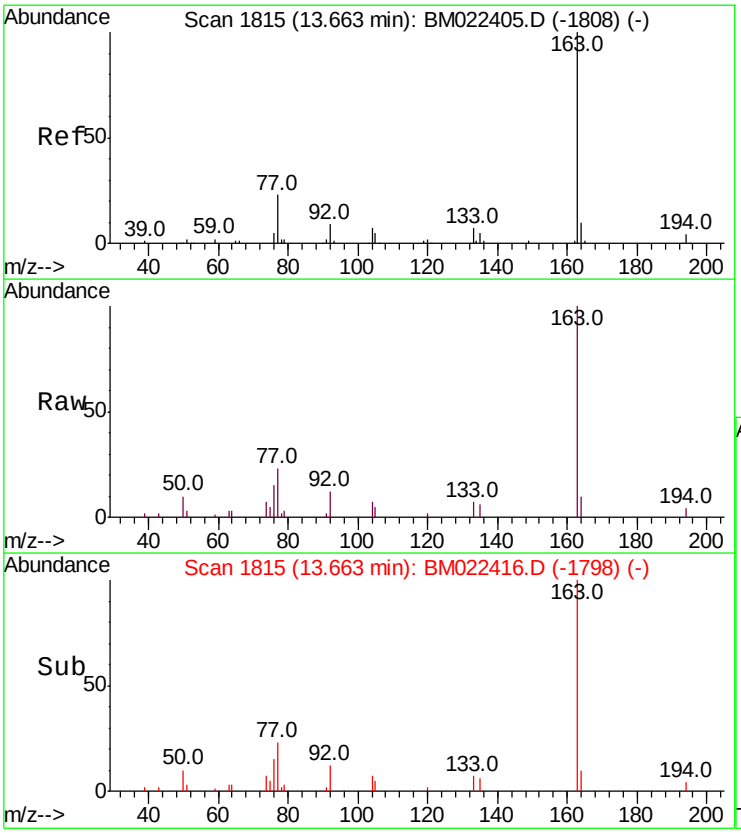
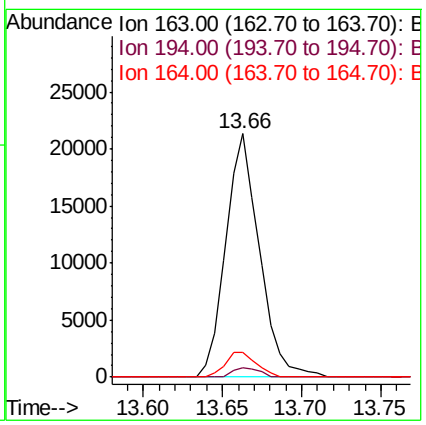
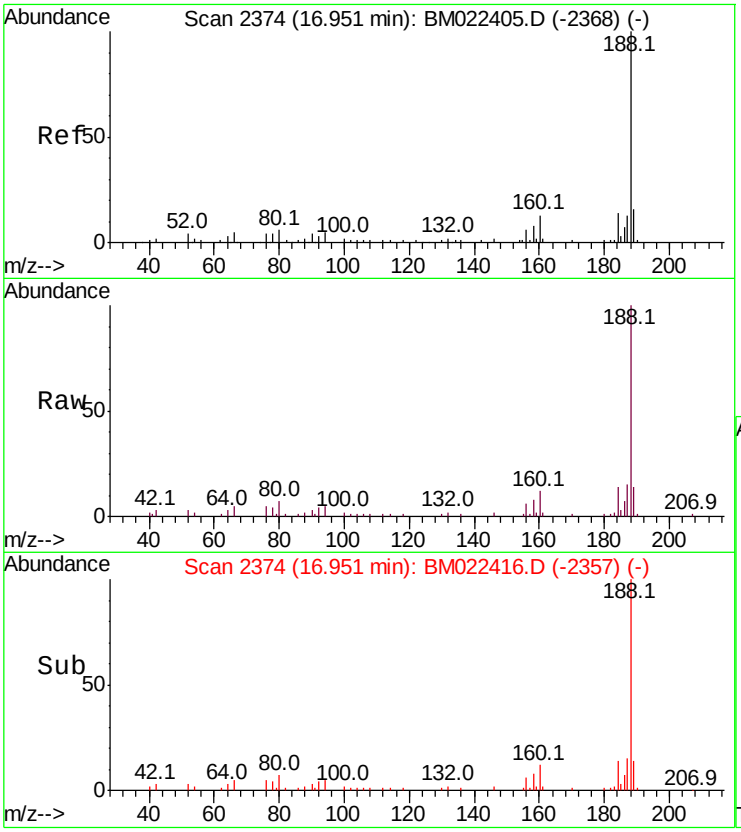


#50
Dimethylphthalate
Concen: 10.890 ng
RT: 13.66 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:163 Resp: 31341

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	9.9	8.2	12.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:188 Resp: 77343

Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.4	6.6
80	7.0	5.0	7.6

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BNA_M
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Manual Integrations APPROVED
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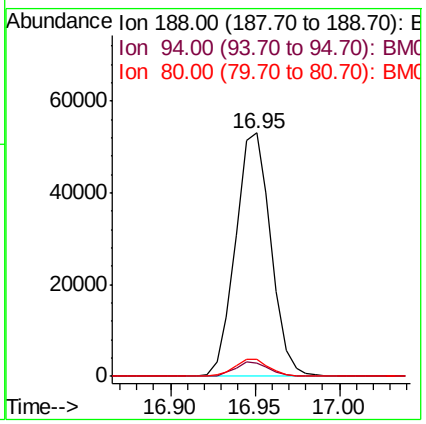
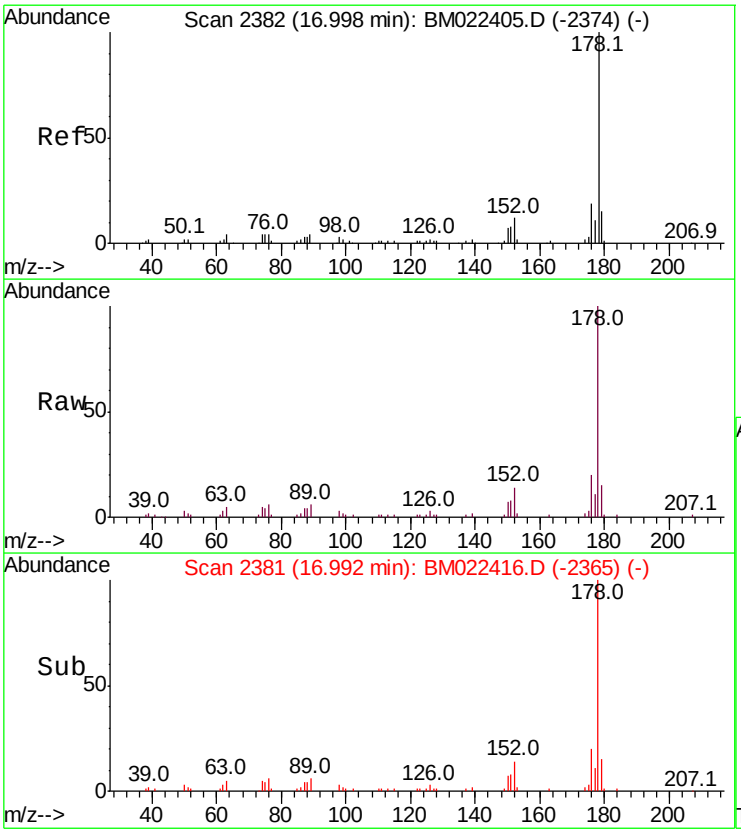
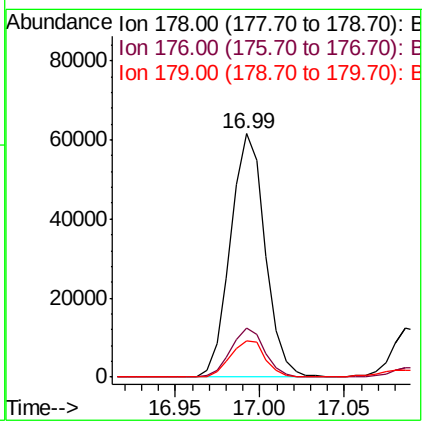


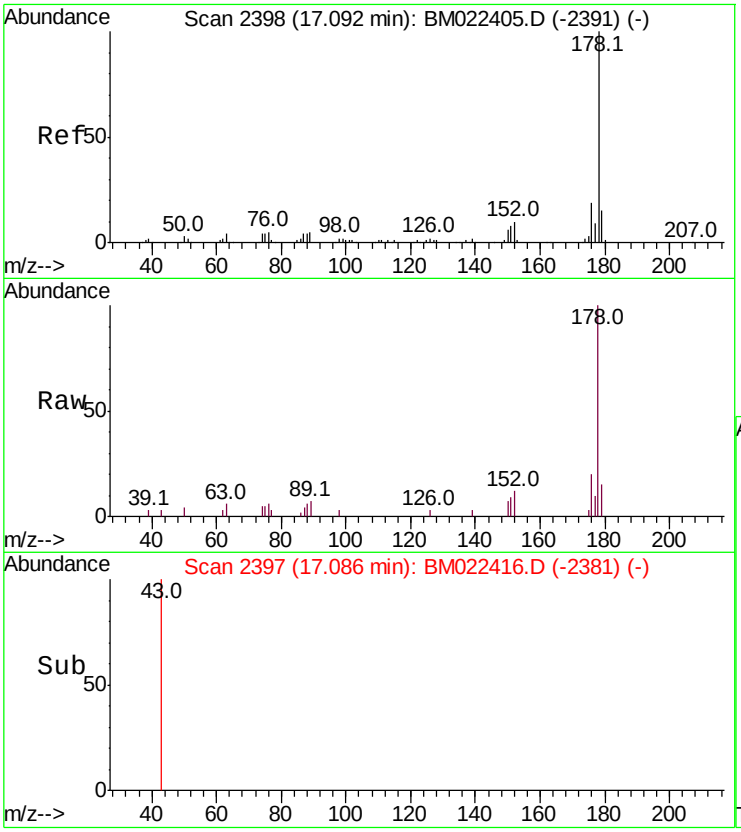


#71
Phenanthrene
Concen: 19.483 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:178 Resp: 87833

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	14.8	12.3	18.5

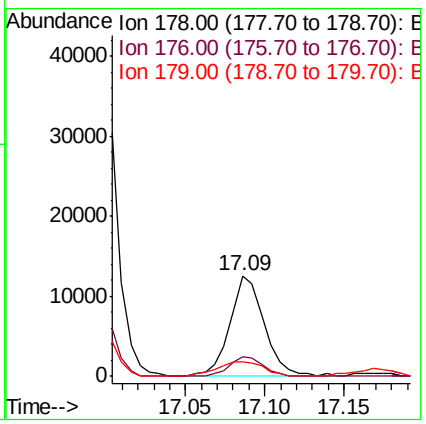




#72
Anthracene
Concen: 4.278 ng
RT: 17.09 min Scan# 2397
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:178 Resp: 18975

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	14.5	11.8	17.6



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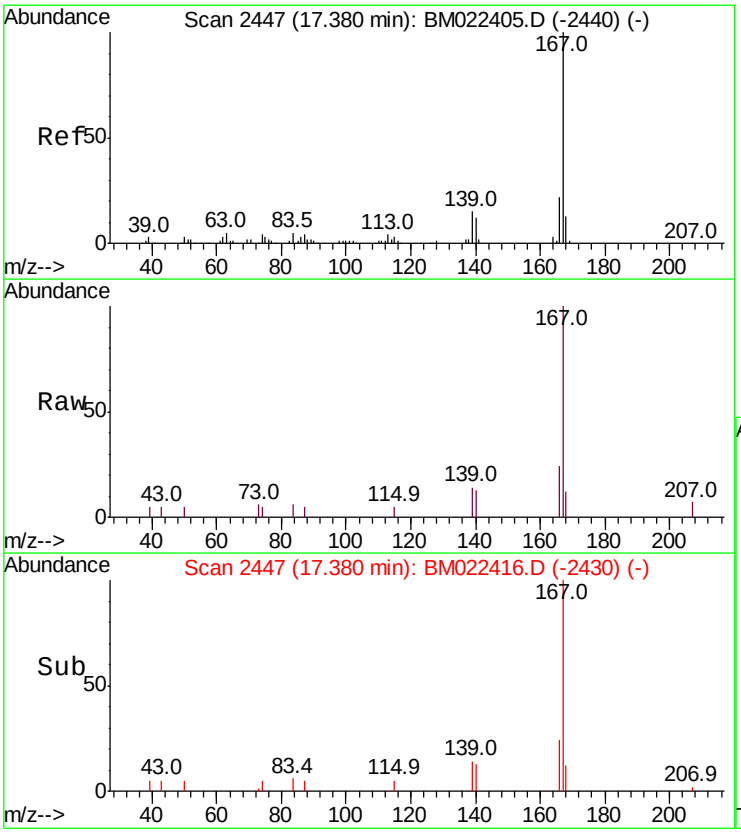
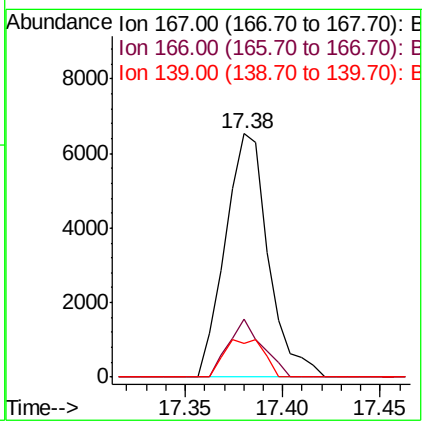
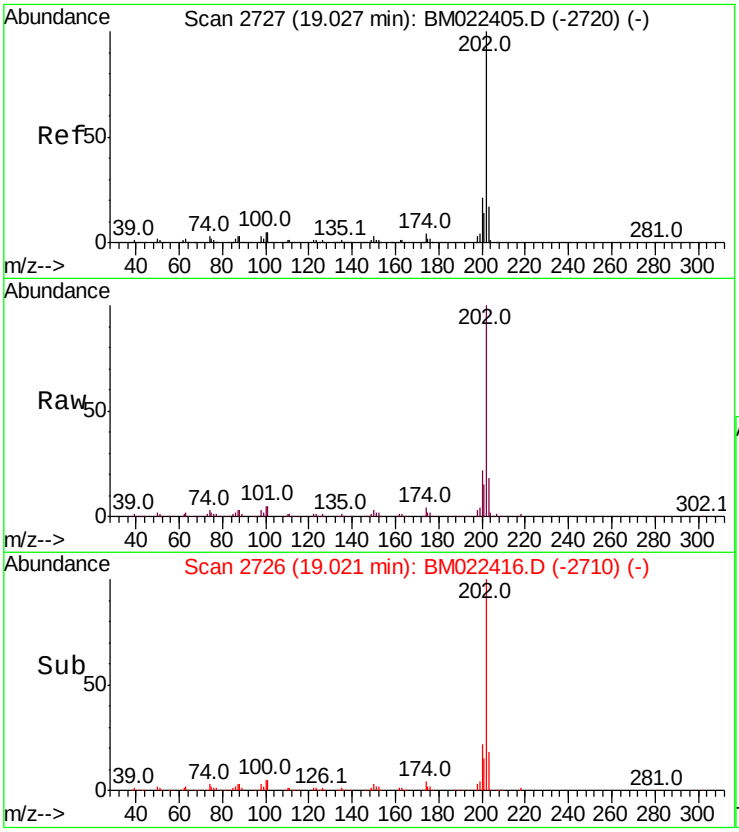


#73
Carbazole
Concen: 2.725 ng
RT: 17.38 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:167 Resp: 9992

Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.8	26.6
139	13.7	11.6	17.4

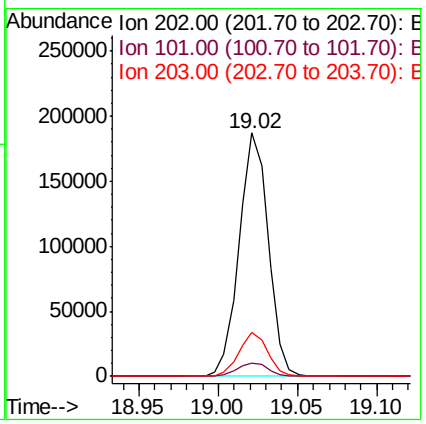




#75
Fluoranthene
Concen: 39.850 ng
RT: 19.02 min Scan# 2726
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

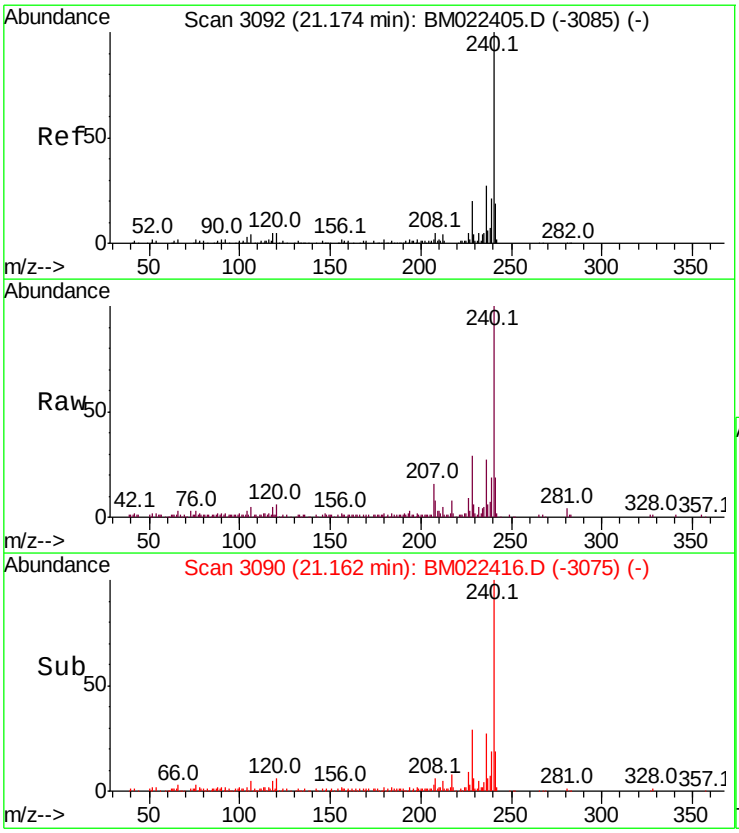
Tgt Ion:202 Resp: 239248

Ion	Ratio	Lower	Upper
202	100		
101	5.4	0.0	25.1
203	18.2	0.0	37.1



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

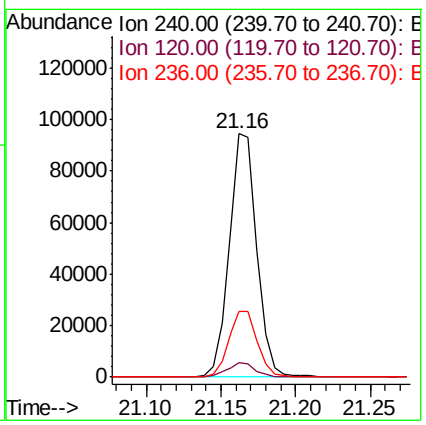
Manual Integrations APPROVED
Jagrut
8/30/2019 10:30:00 AM

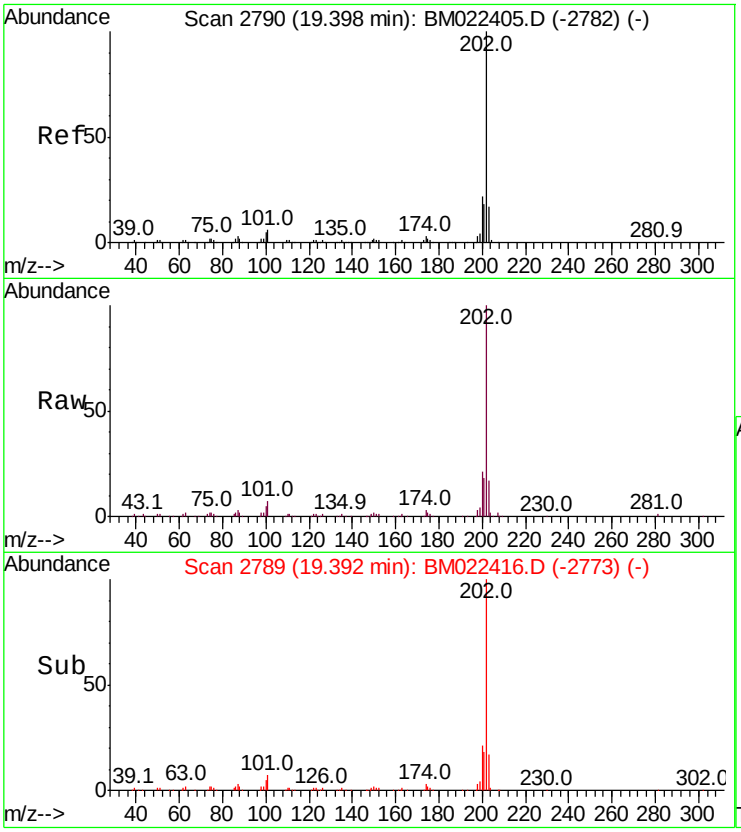


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:240 Resp: 121907

Ion	Ratio	Lower	Upper
240	100		
120	5.7	3.9	5.9
236	27.2	21.4	32.2

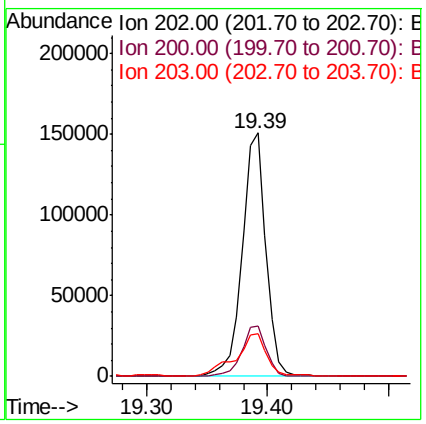




#78
Pyrene
Concen: 24.957 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:202 Resp: 207340

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.7	26.5
203	17.4	13.8	20.8



Instrument :
BNA_M
ClientSampleId :
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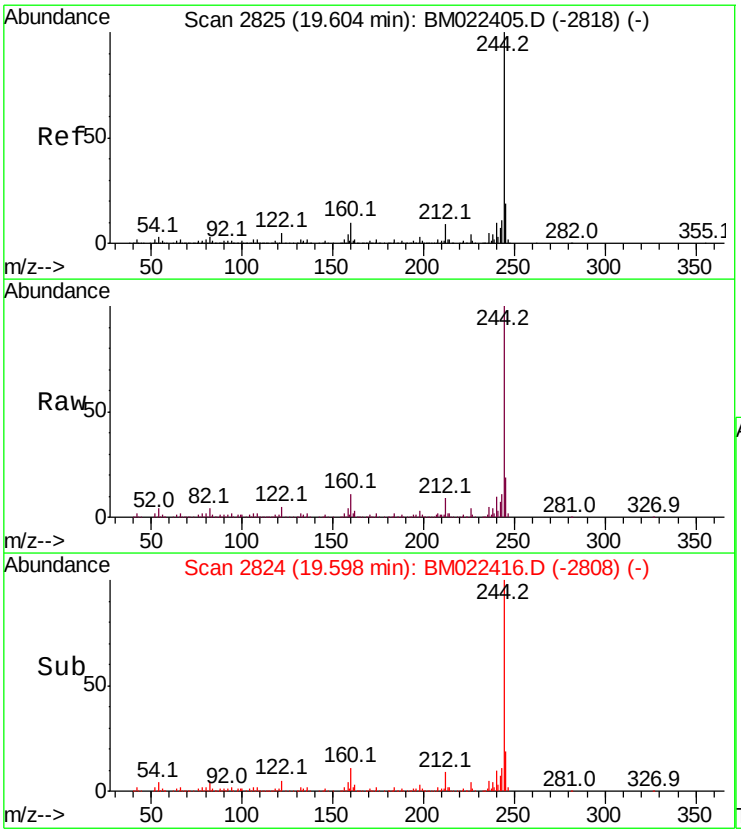
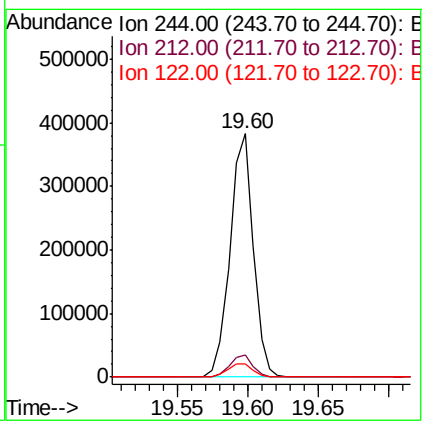
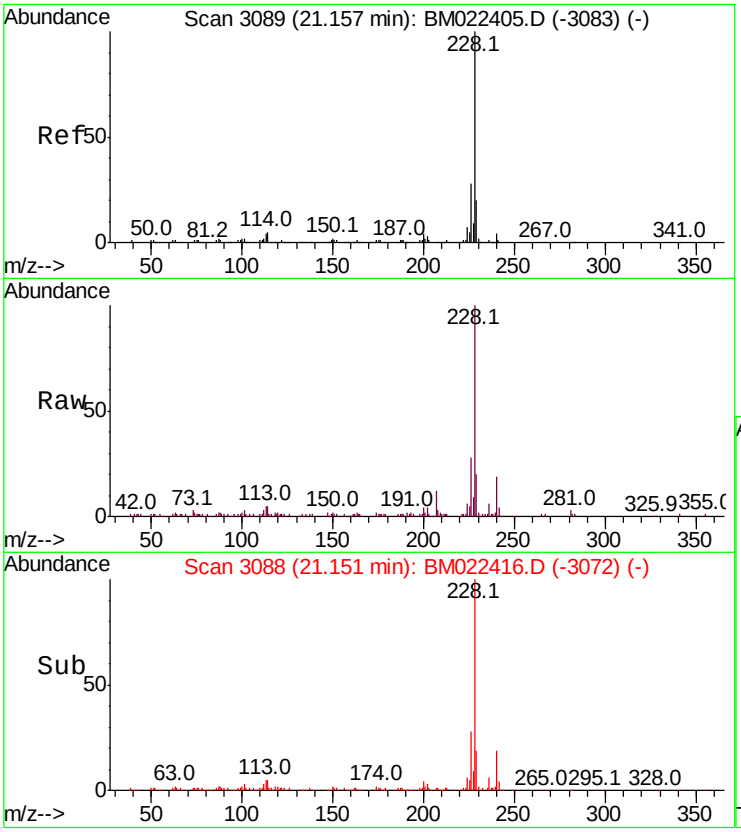


#79
Terphenyl-d14
Concen: 47.428 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:244 Resp: 438097

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.4
122	5.4	3.9	5.9

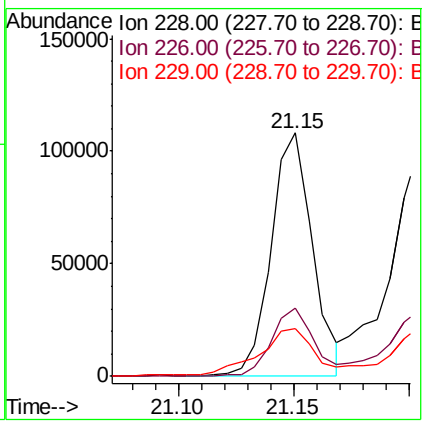




#81
Benzo(a)anthracene
Concen: 15.205 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:228 Resp: 133042

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	19.6	15.9	23.9



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

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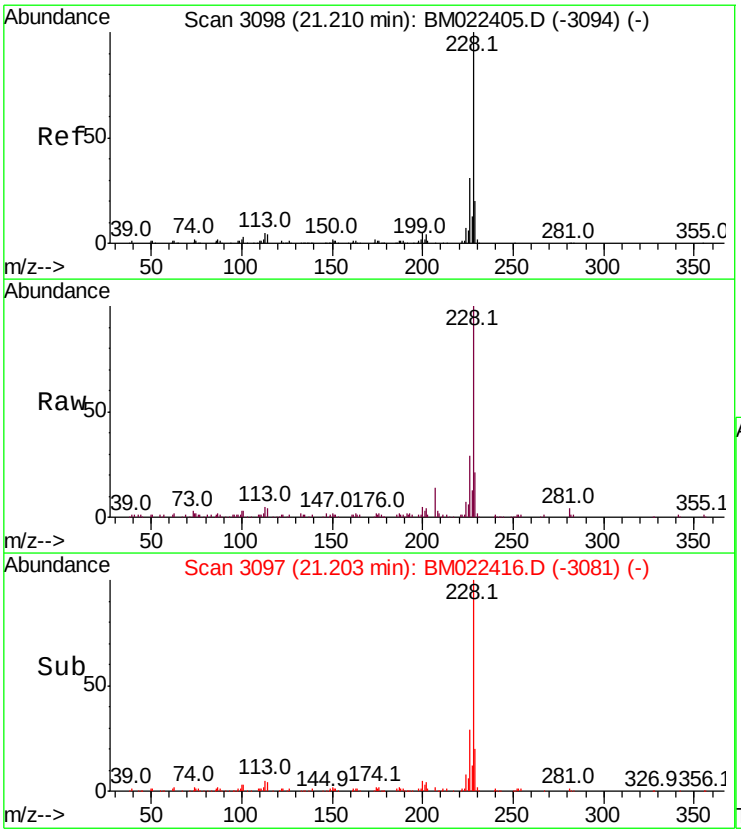
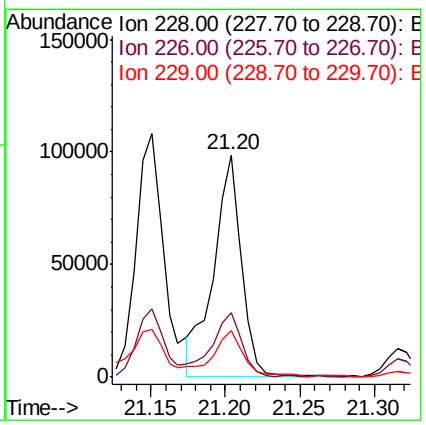
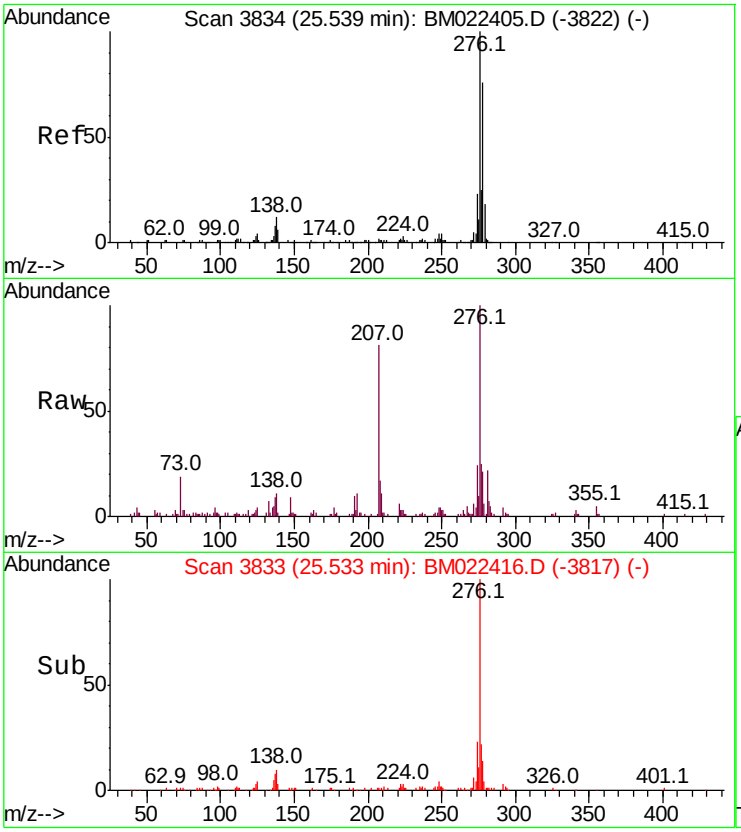


#83
Chrysene
Concen: 15.434 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:228 Resp: 128538

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.5	36.7
229	21.1	15.7	23.5

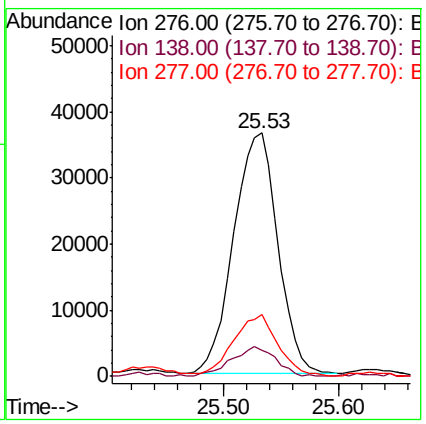




#86
Indeno(1,2,3-cd)pyrene
Concen: 11.511 ng
RT: 25.53 min Scan# 3833
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:276 Resp: 96433

Ion	Ratio	Lower	Upper
276	100		
138	12.5	9.1	13.7
277	26.2	20.0	30.0



Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

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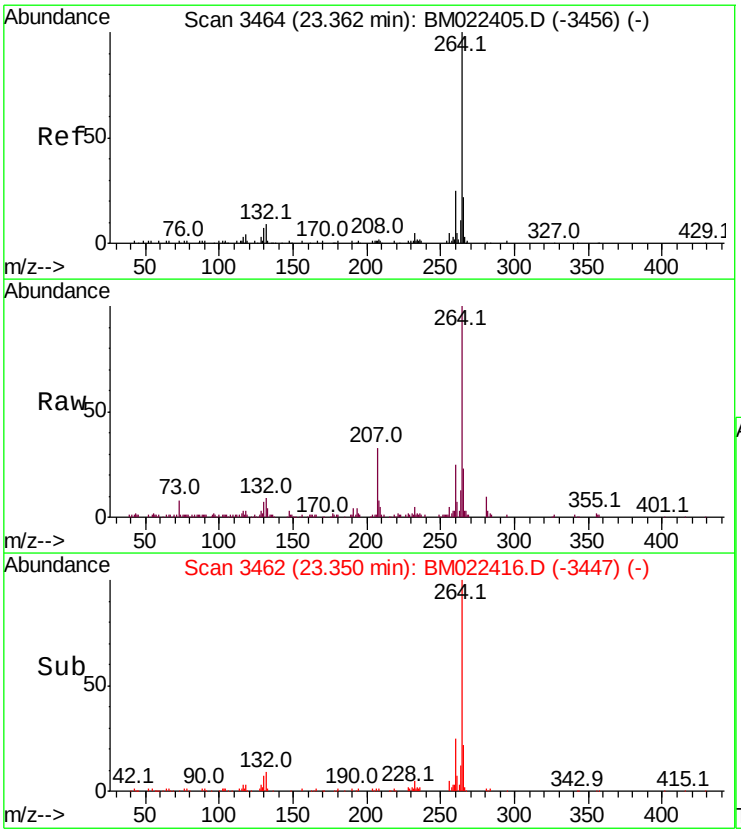
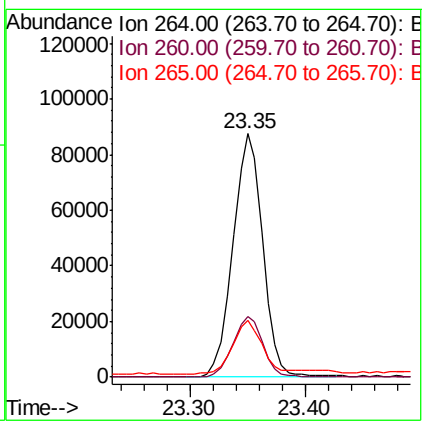
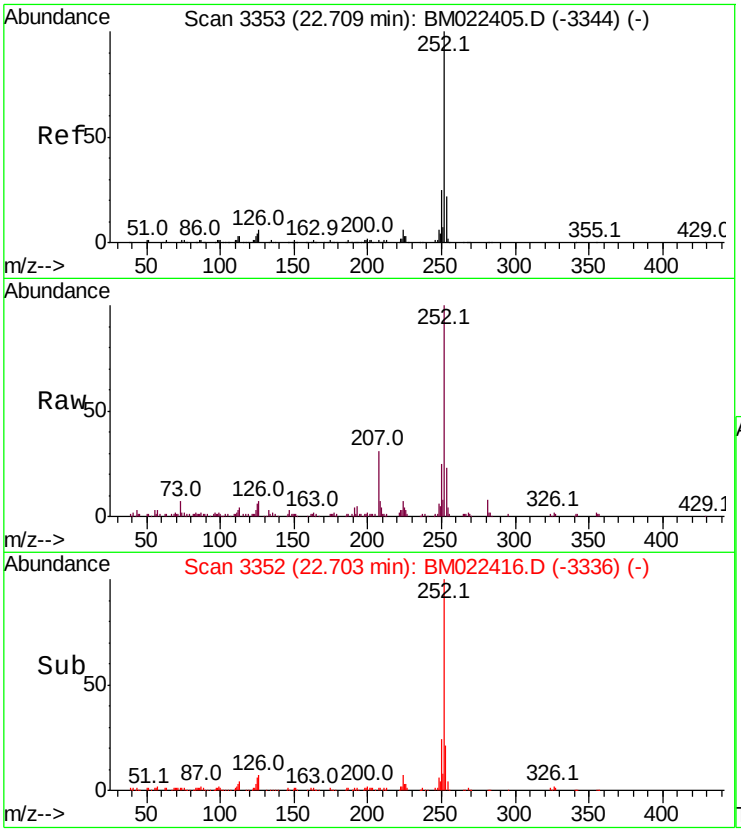


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.35 min Scan# 3462
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:264 Resp: 155993

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	23.1	18.2	27.2





#88
Benzo(b)fluoranthene
Concen: 17.793 ng m
RT: 22.70 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:252 Resp: 192827

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	5.6	3.5	5.3#

Instrument :
BNA_M
ClientSampleId :
S704-N-1.0-1.5-082119RE

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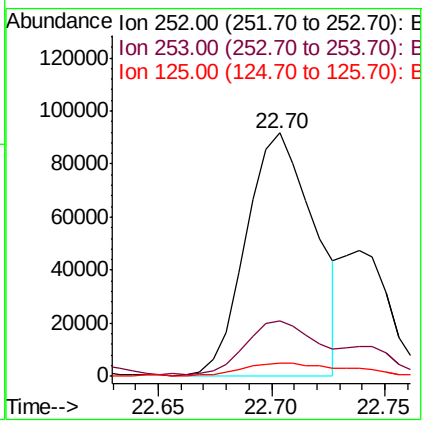
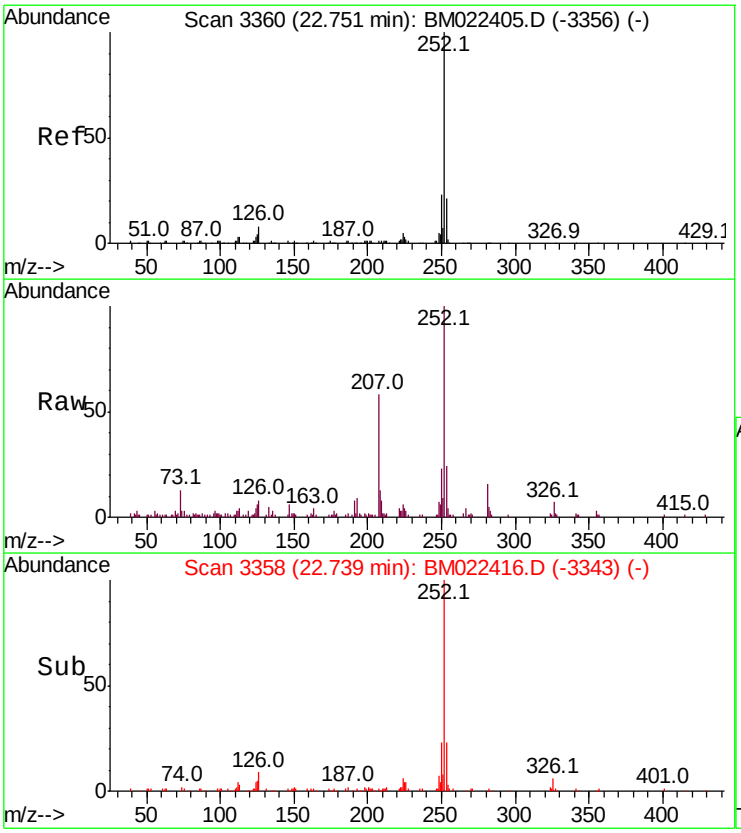
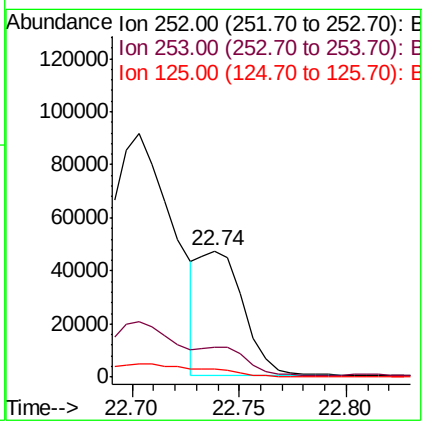


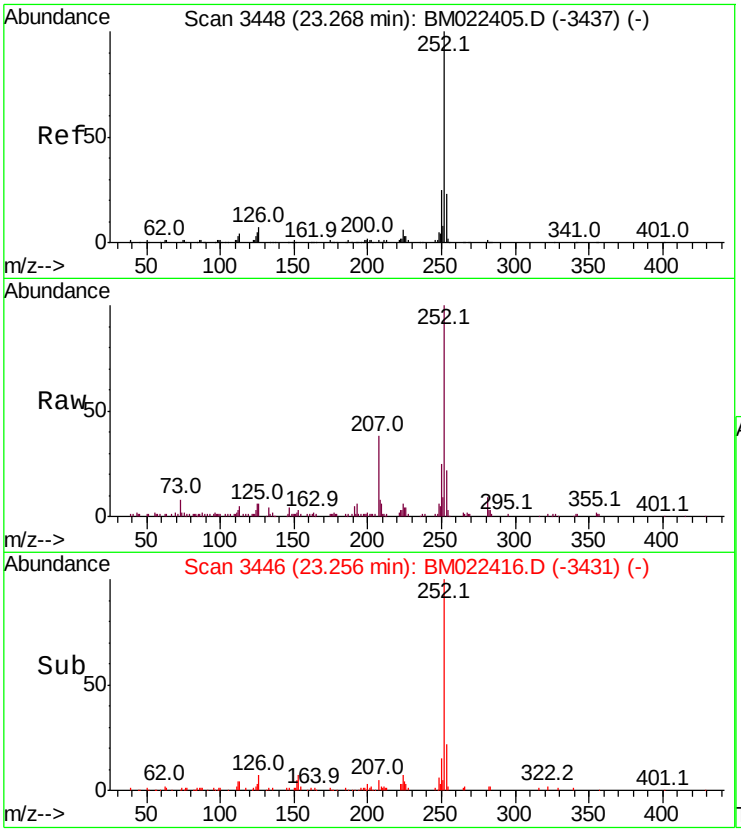


#89
Benzo(k)fluoranthene
Concen: 6.349 ng m
RT: 22.74 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:252 Resp: 68250

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.4
125	6.3	3.7	5.5#





#90
Benzo(a)pyrene
Concen: 14.255 ng
RT: 23.26 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:252 Resp: 137119

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	6.1	3.8	5.8#

Instrument :
BNA_M
ClientSampleId :
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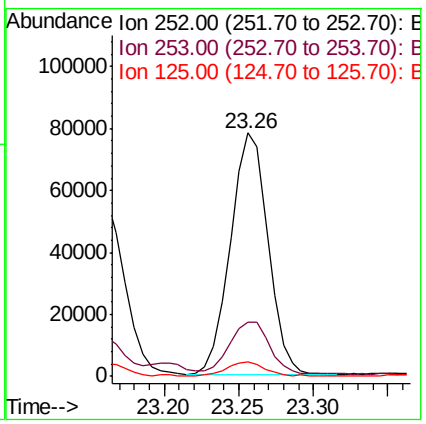
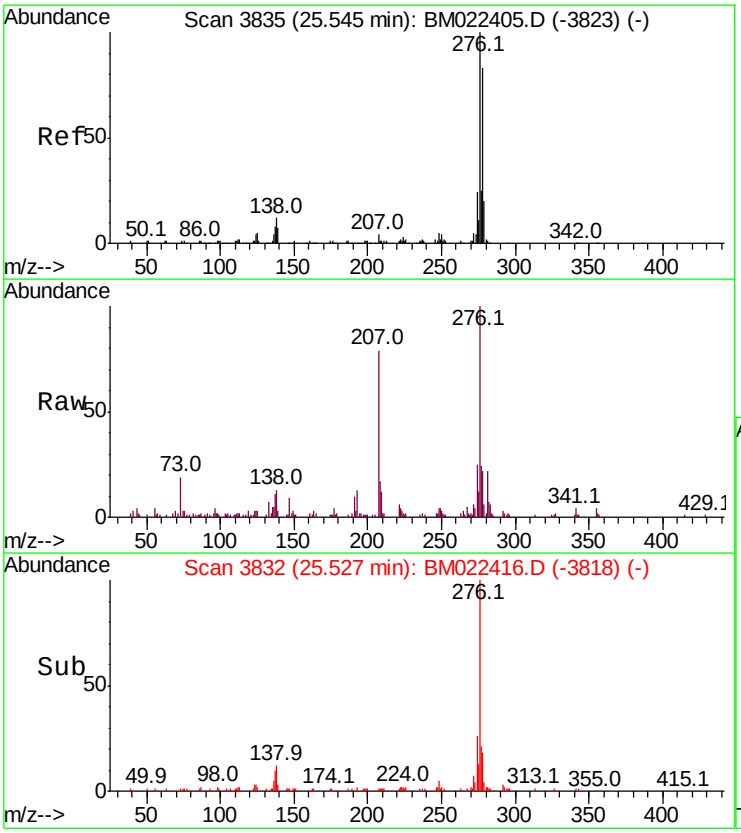
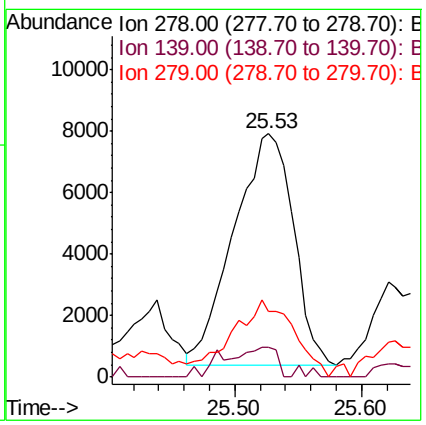


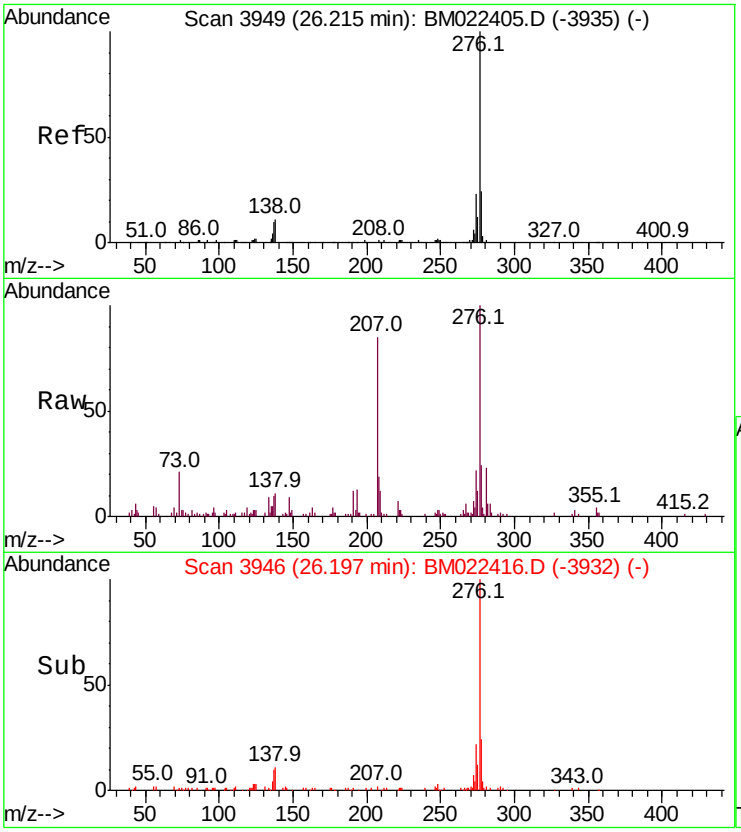


#91
Dibenzo(a,h)anthracene
Concen: 2.551 ng
RT: 25.53 min Scan# 3832
Delta R.T. -0.02 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:278 Resp: 24471

Ion	Ratio	Lower	Upper
278	100		
139	12.1	6.6	9.8#
279	26.9	19.3	28.9

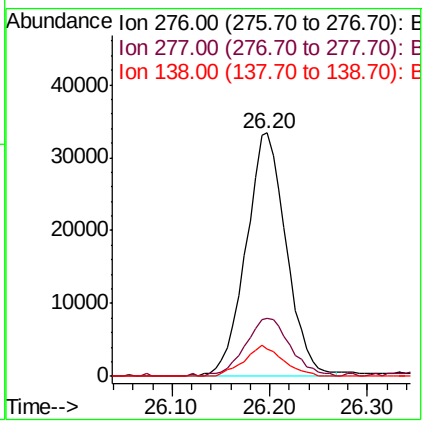




#92
Benzo(g,h,i)perylene
Concen: 11.525 ng
RT: 26.20 min Scan# 3946
Delta R.T. -0.02 min
Lab File: BM022416.D
Acq: 29 Aug 2019 20:10

Tgt Ion:276 Resp: 96343

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	11.1	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
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