Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020308.D
Acq On : 12 May 2019 20:54
Operator : JU/SJ
Sample : K2767-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
mohammad
5/14/2019 11:11:23 PM

Quant Time: May 13 07:14:46 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	7.76	152	61763	20.00	ng		-0.03
21) Naphthalene-d8	10.56	136	200444	20.00	ng		-0.03
39) Acenaphthene-d10	14.41	164	121942	20.00	ng		-0.02
64) Phenanthrene-d10	17.16	188	295276	20.00	ng		-0.02
76) Chrysene-d12	21.34	240	346013	20.00	ng		-0.02
87) Perylene-d12	23.63	264	419589	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	427666	113.18	ng		-0.02
7) Phenol-d6	6.93	99	566867	109.82	ng		-0.02
23) Nitrobenzene-d5	8.93	82	374803	73.82	ng		-0.03
42) 2,4,6-Tribromophenol	15.90	330	210690	111.31	ng		-0.02
45) 2-Fluorobiphenyl	13.03	172	628660	63.43	ng		-0.03
79) Terphenyl-d14	19.79	244	1031853	52.01	ng		-0.02
Target Compounds							Qvalue
49) Acenaphthylene	14.13	152	30348	2.366	ng		96
50) Dimethylphthalate	13.87	163	110807	10.691	ng		97
71) Phenanthrene	17.20	178	80274	4.925	ng		98
75) Fluoranthene	19.22	202	158083	7.665	ng		99
78) Pyrene	19.59	202	306940	13.213	ng		98
81) Benzo(a)anthracene	21.33	228	132731m	5.470	ng		
83) Chrysene	21.39	228	157493m	6.692	ng		
86) Indeno(1,2,3-cd)pyrene	25.95	276	96499	3.447	ng	#	100
88) Benzo(b)fluoranthene	22.94	252	160503m	5.793	ng		
89) Benzo(k)fluoranthene	22.97	252	64518m	2.553	ng		
90) Benzo(a)pyrene	23.53	252	111737	4.440	ng	#	96
92) Benzo(g,h,i)perylene	26.67	276	116533	4.690	ng		98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051219\
Data File : BM020308.D
Acq On : 12 May 2019 20:54
Operator : JU/SJ
Sample : K2767-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 13 07:14:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
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Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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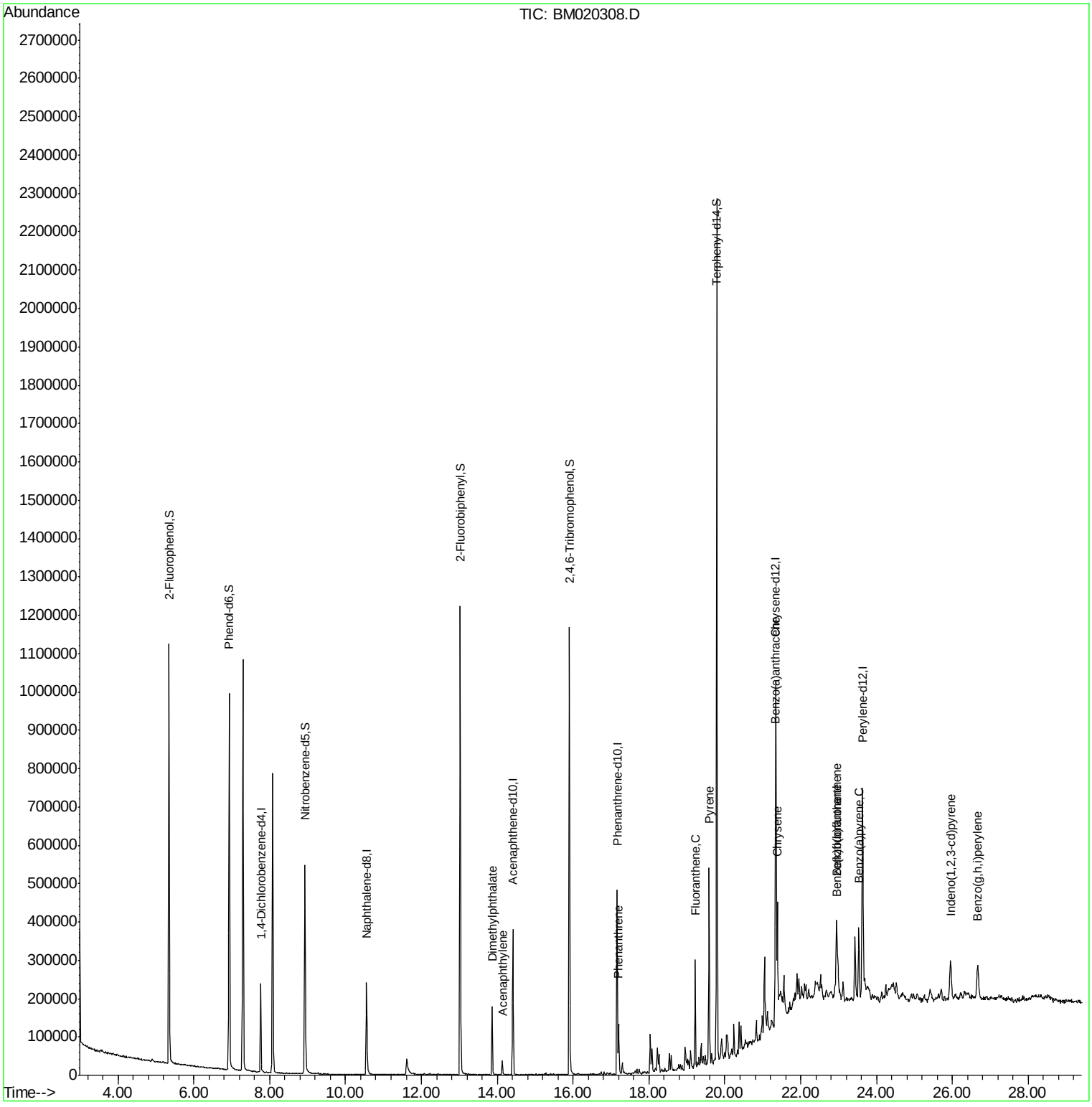
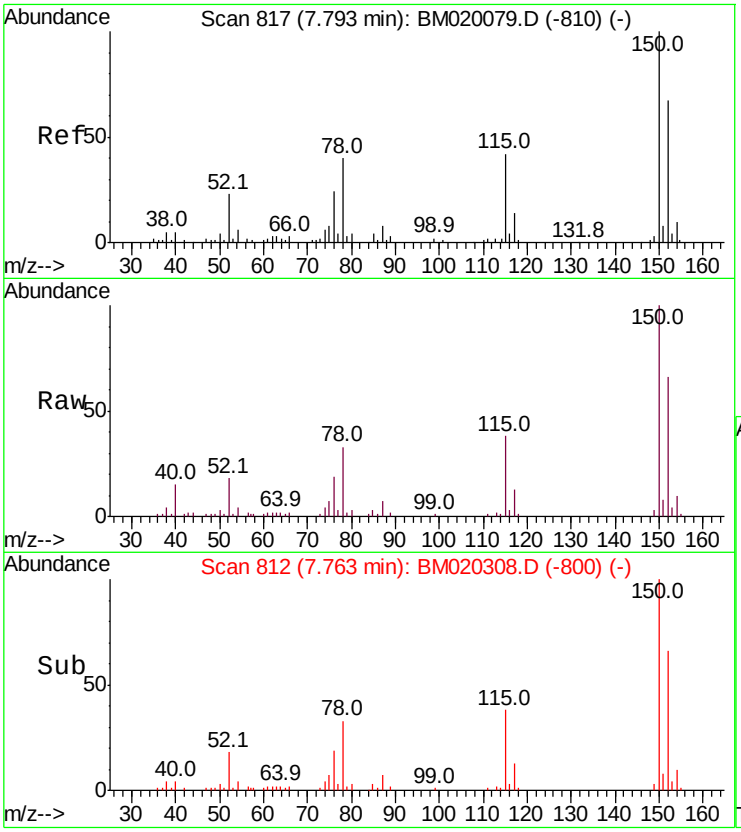
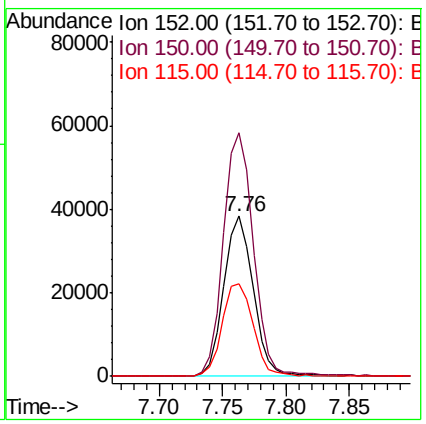




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 812
Delta R.T. -0.03 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:152 Resp: 61763

Ion	Ratio	Lower	Upper
152	100		
150	152.3	119.8	179.8
115	57.9	50.8	76.2



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
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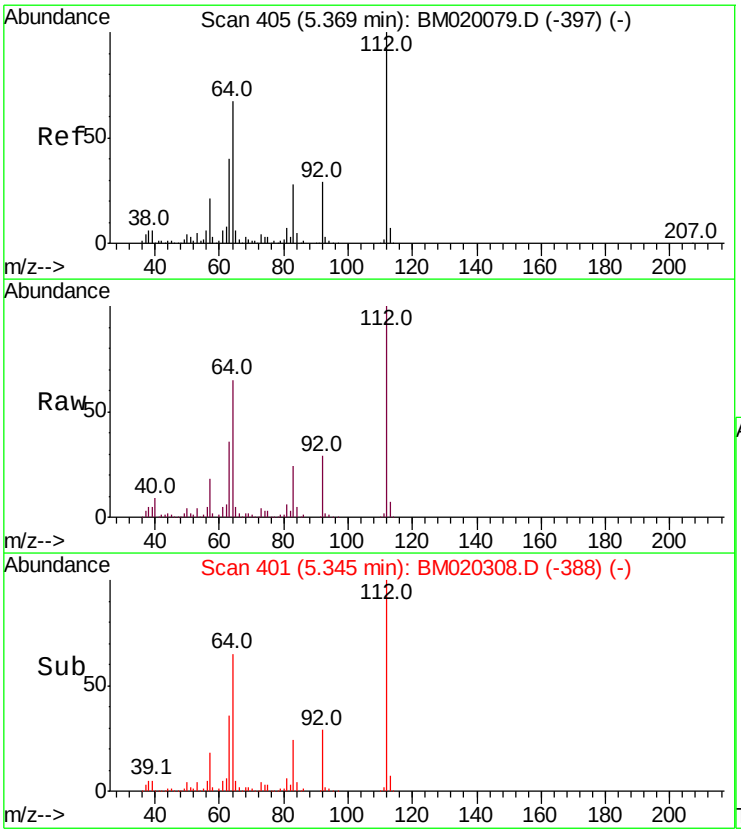
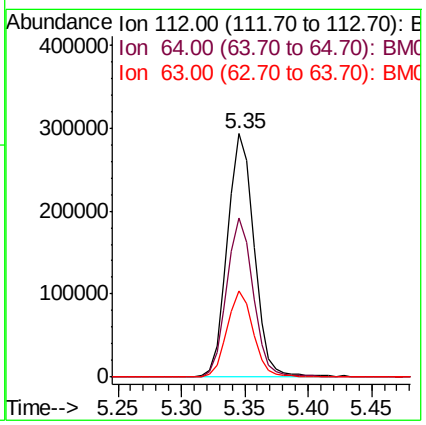
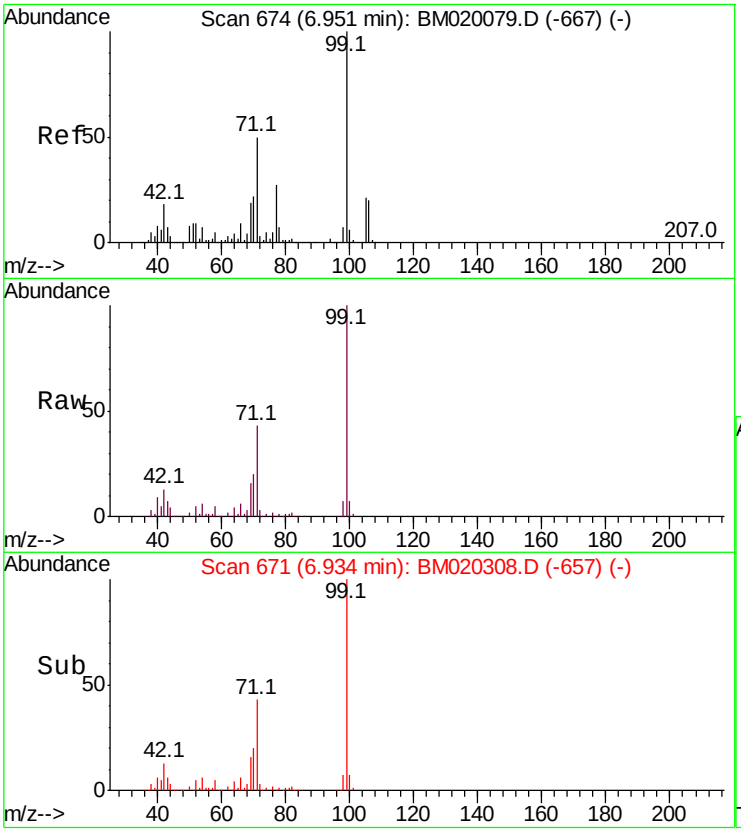


#5
2-Fluorophenol
Concen: 113.184 ng
RT: 5.35 min Scan# 401
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:112 Resp: 427666

Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.8	80.6
63	35.6	32.3	48.5

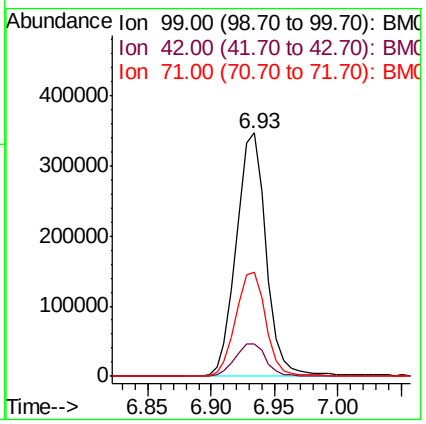




#7
Phenol-d6
Concen: 109.816 ng
RT: 6.93 min Scan# 671
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion: 99 Resp: 566867

Ion	Ratio	Lower	Upper
99	100		
42	13.3	14.2	21.2#
71	42.7	40.3	60.5



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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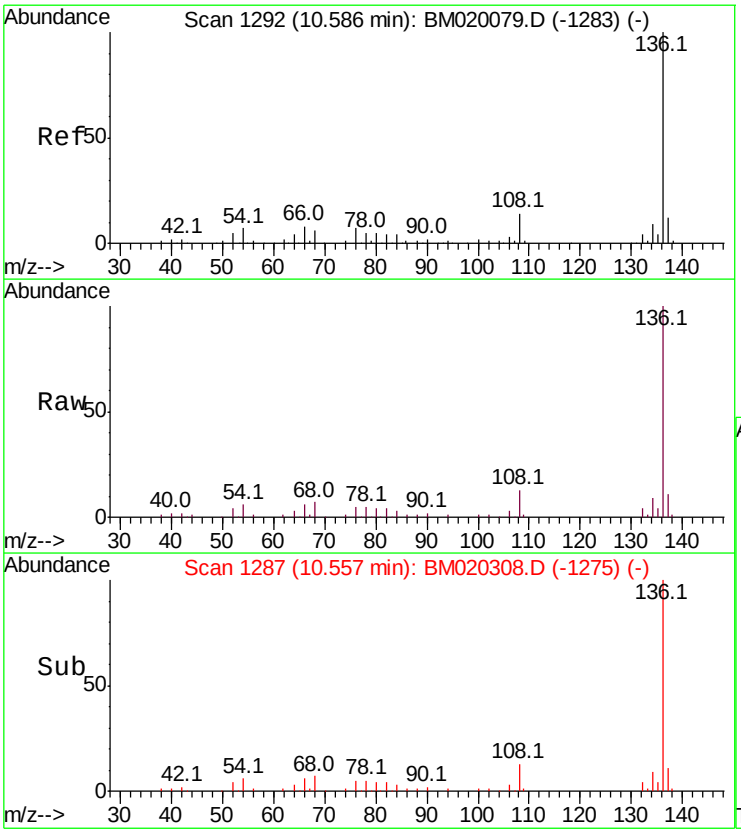
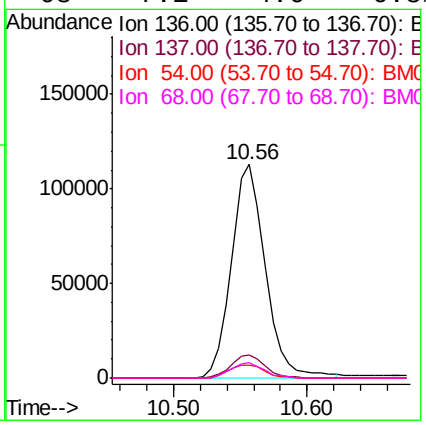
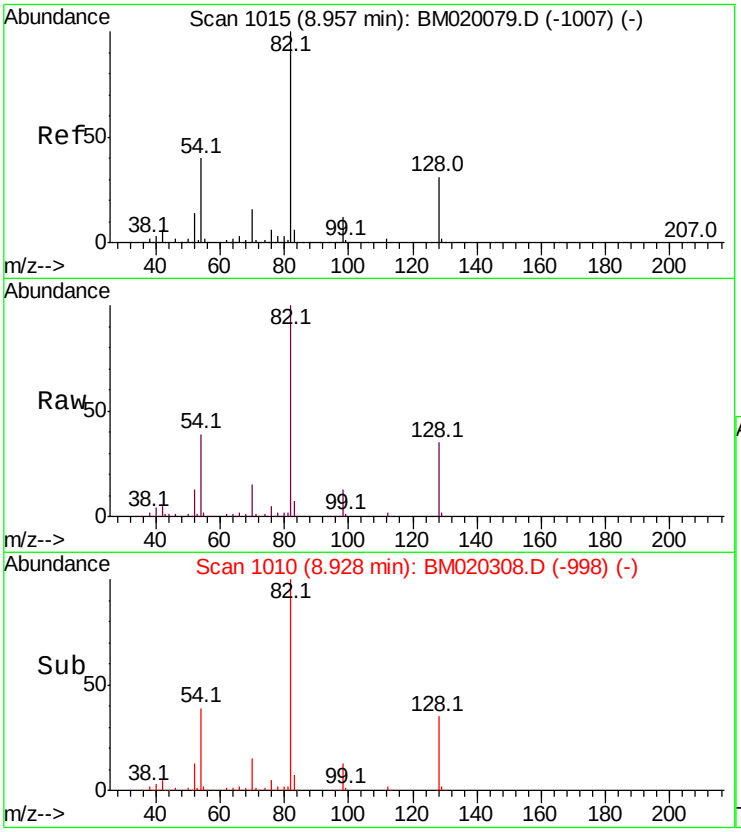


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.56 min Scan# 1287
Delta R.T. -0.03 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:136 Resp: 200444

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	6.2	5.5	8.3
68	7.1	4.6	6.8#

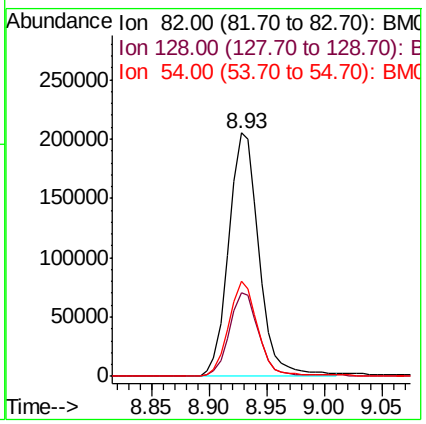




#23
Nitrobenzene-d5
Concen: 73.822 ng
RT: 8.93 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion: 82 Resp: 374803

Ion	Ratio	Lower	Upper
82	100		
128	34.5	25.2	37.8
54	39.3	31.9	47.9



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
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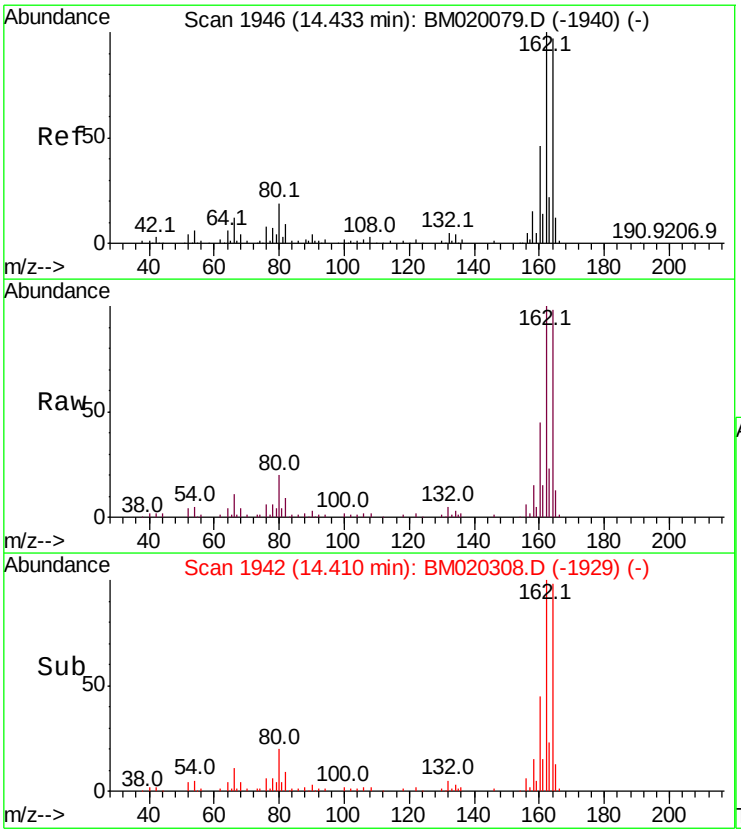
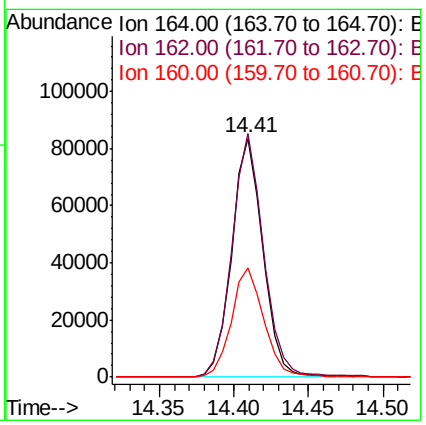
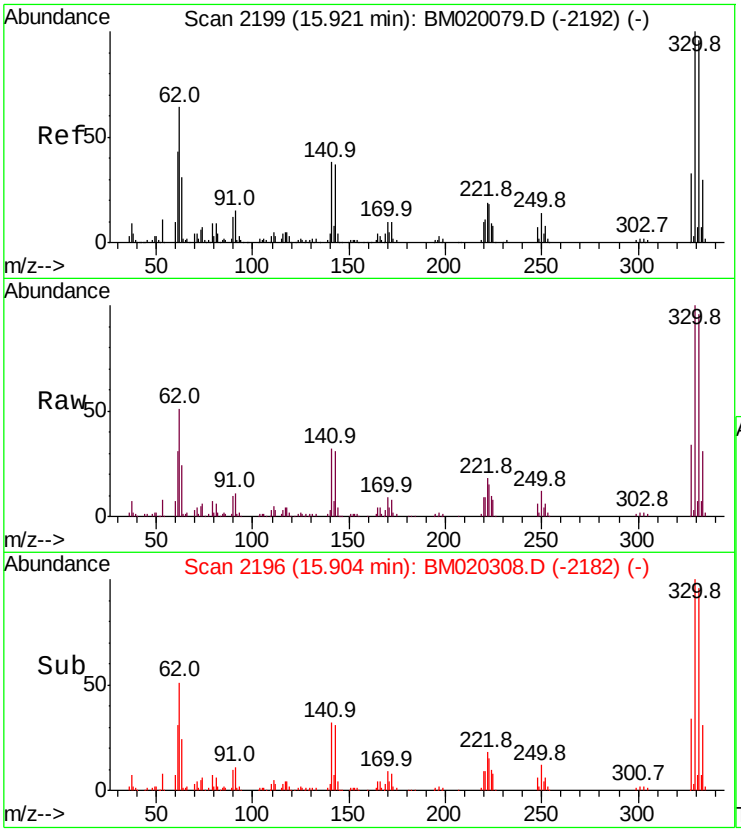


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:164 Resp: 121942

Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	45.8	37.6	56.4

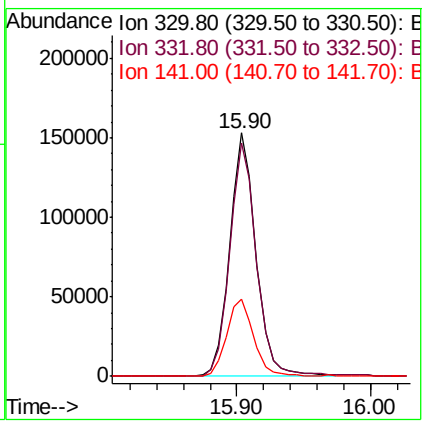




#42
2,4,6-Tribromophenol
Concen: 111.313 ng
RT: 15.90 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:330 Resp: 210690

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	33.0	29.2	43.8



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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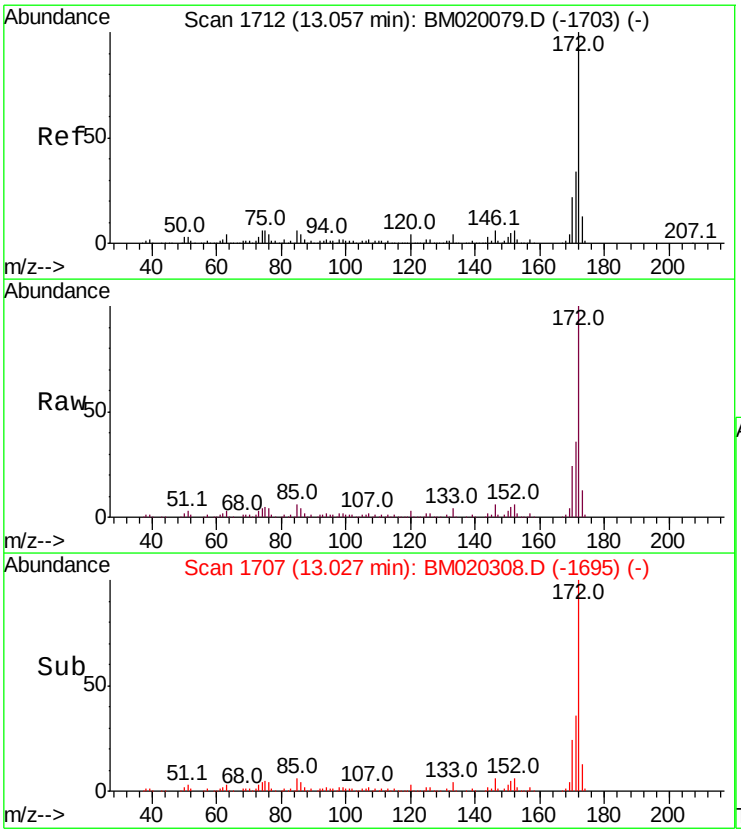
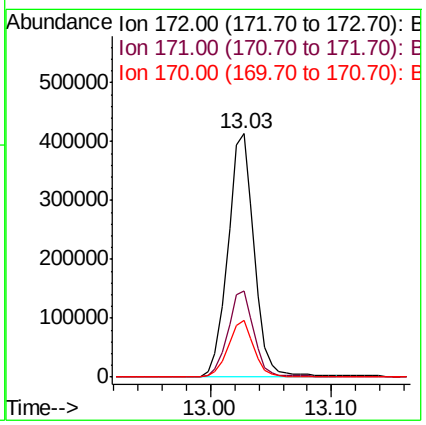
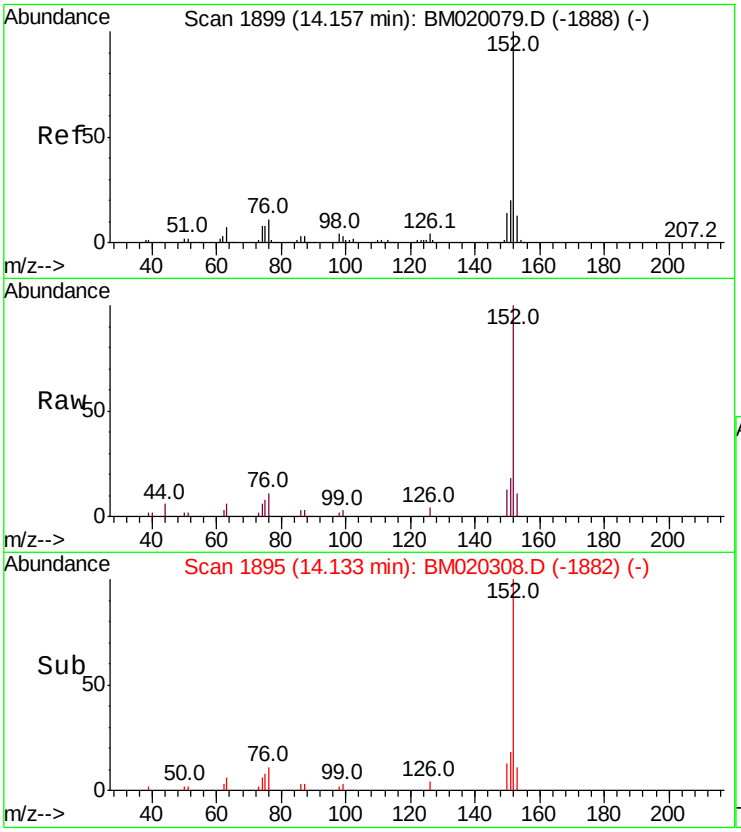


#45
2-Fluorobiphenyl
Concen: 63.430 ng
RT: 13.03 min Scan# 1707
Delta R.T. -0.03 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:172 Resp: 628660

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.3	40.9
170	23.5	17.9	26.9

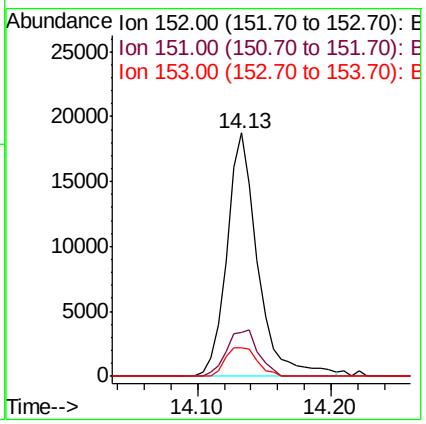




#49
Acenaphthylene
Concen: 2.366 ng
RT: 14.13 min Scan# 1895
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:152 Resp: 30348

Ion	Ratio	Lower	Upper
152	100		
151	18.3	16.2	24.2
153	11.5	10.6	16.0



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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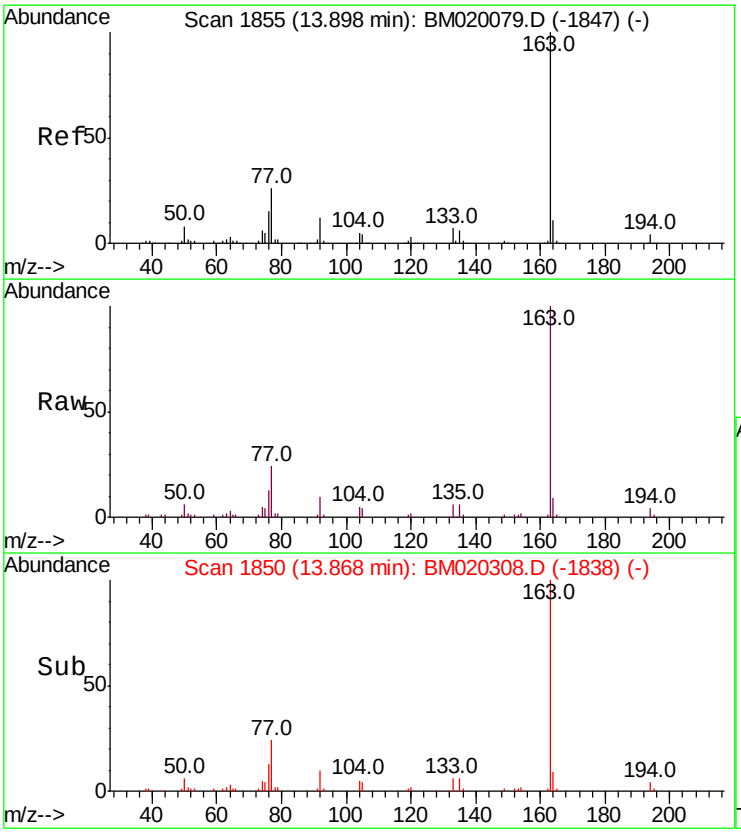
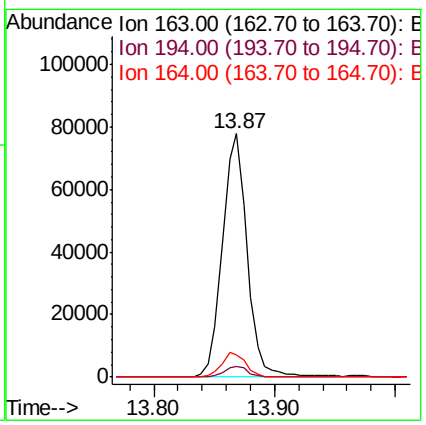
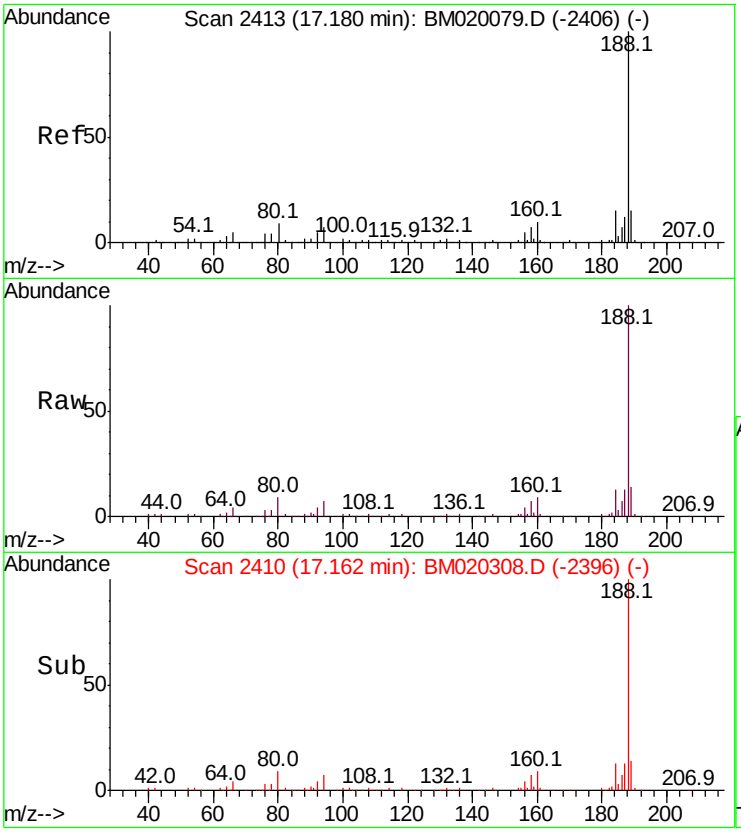


#50
Dimethylphthalate
Concen: 10.691 ng
RT: 13.87 min Scan# 1850
Delta R.T. -0.03 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:163 Resp: 110807

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	8.9	8.4	12.6

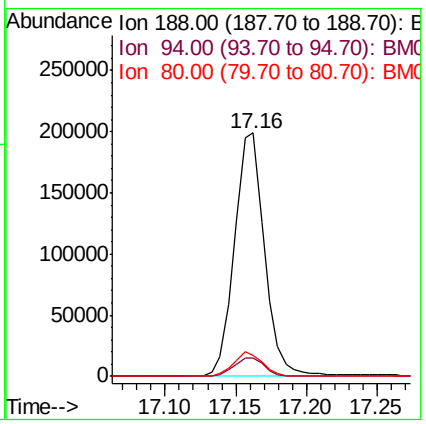




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2410
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:188 Resp: 295276

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	8.7	7.4	11.2



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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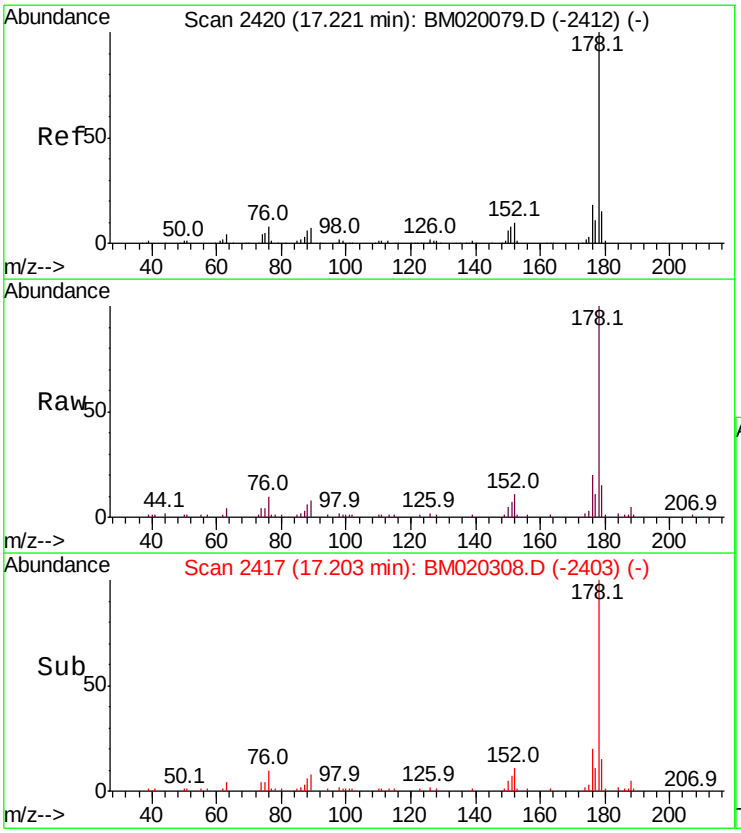
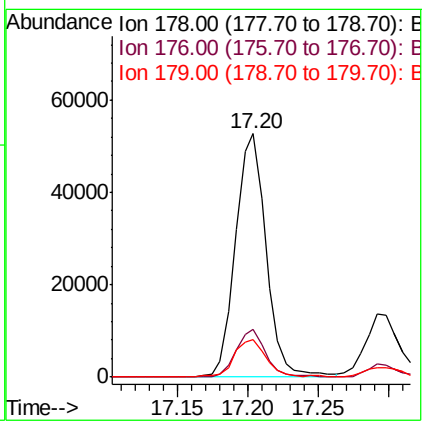
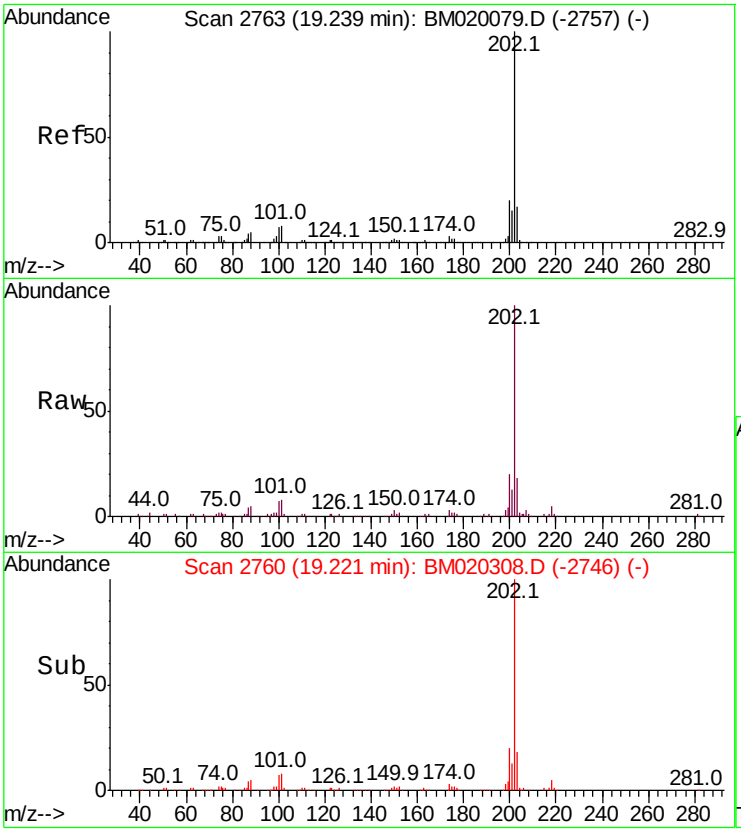


#71
Phenanthrene
Concen: 4.925 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:178 Resp: 80274

Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.6	21.8
179	15.5	12.4	18.6

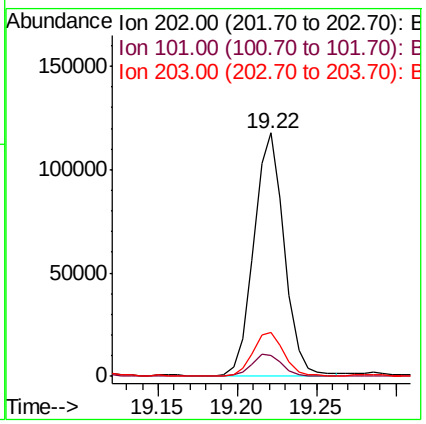




#75
Fluoranthene
Concen: 7.665 ng
RT: 19.22 min Scan# 2760
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:202 Resp: 158083

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	18.1	0.0	37.4



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
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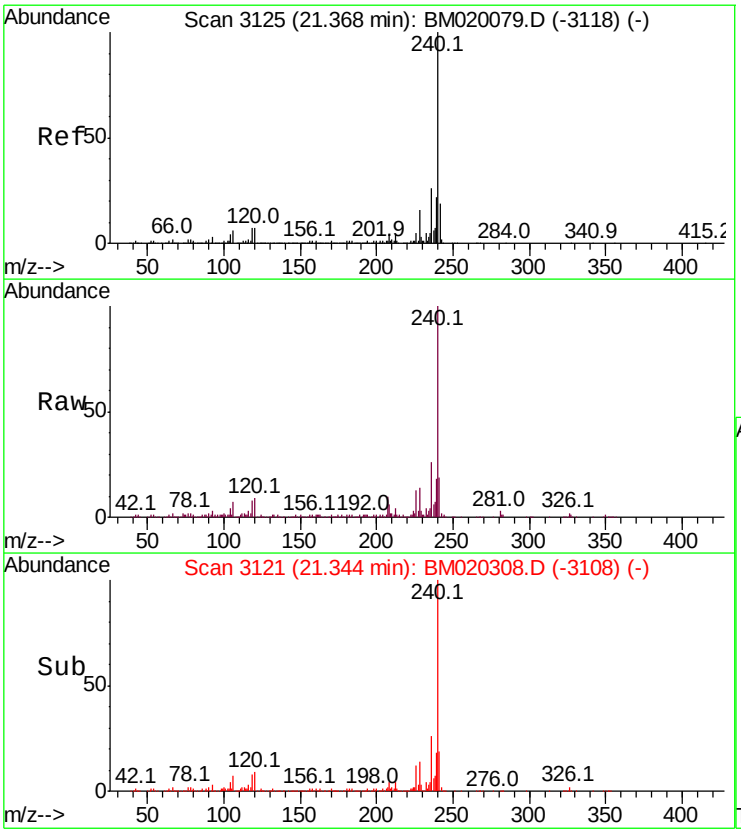
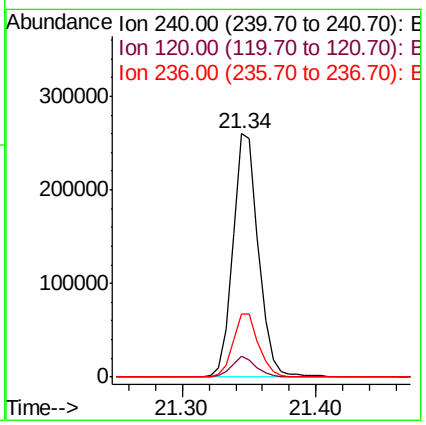
5/14/2019 11:11:23 PM

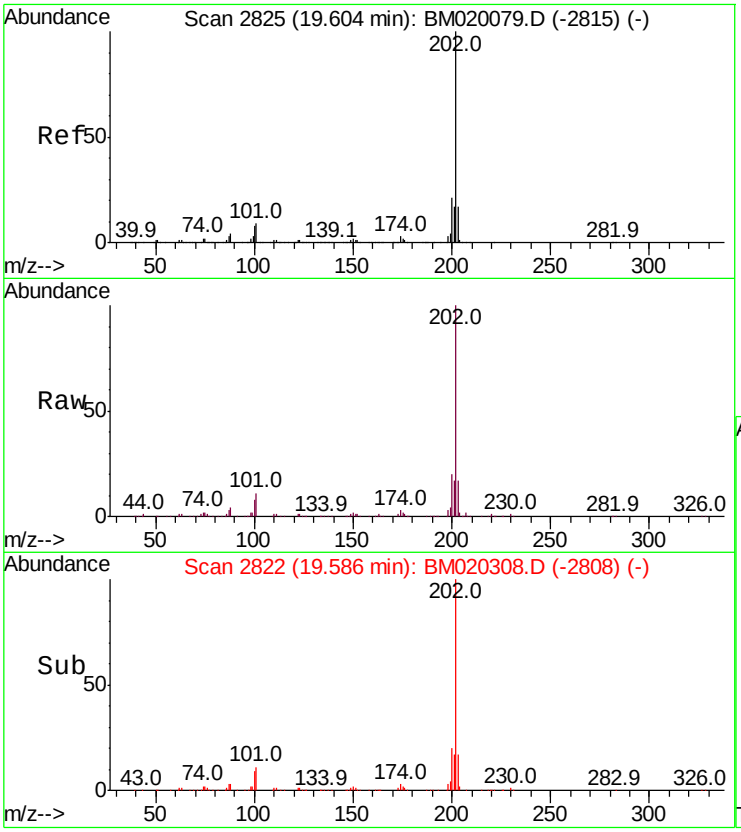


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:240 Resp: 346013

Ion	Ratio	Lower	Upper
240	100		
120	8.6	5.6	8.4#
236	25.7	20.9	31.3





#78
Pyrene
Concen: 13.213 ng
RT: 19.59 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:202 Resp: 306940

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.5	24.7
203	16.8	13.9	20.9

Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
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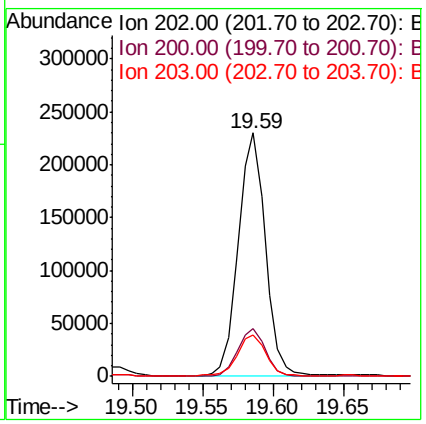
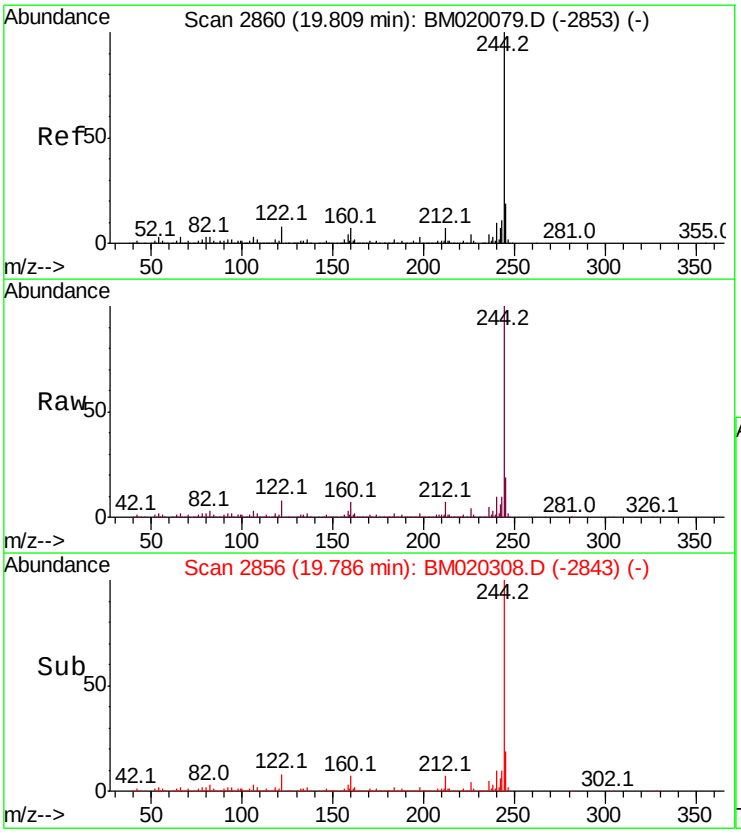
5/14/2019 11:11:23 PM

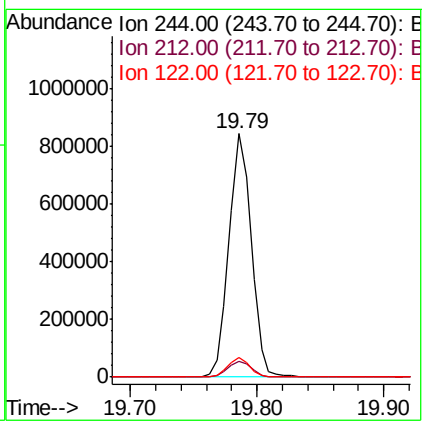


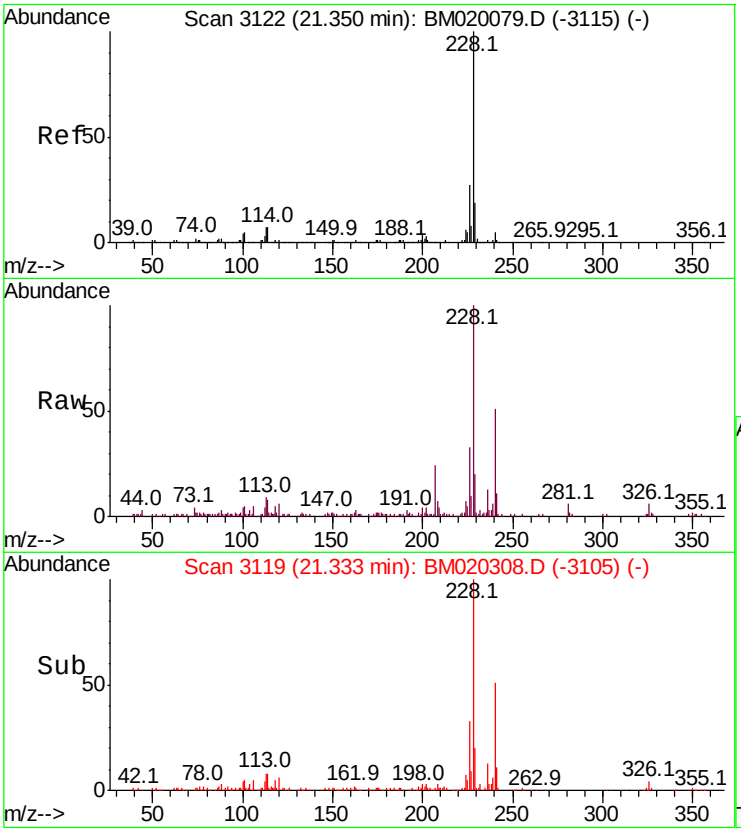


#79
Terphenyl-d14
Concen: 52.015 ng
RT: 19.79 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:244 Resp: 1031853

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.9	6.2	9.2

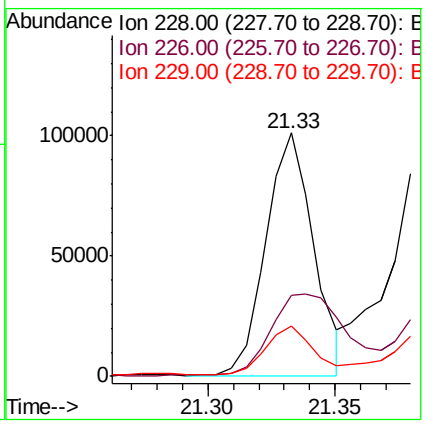




#81
Benzo(a)anthracene
Concen: 5.470 ng m
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:228 Resp: 132731

Ion	Ratio	Lower	Upper
228	100		
226	33.4	21.3	31.9#
229	20.5	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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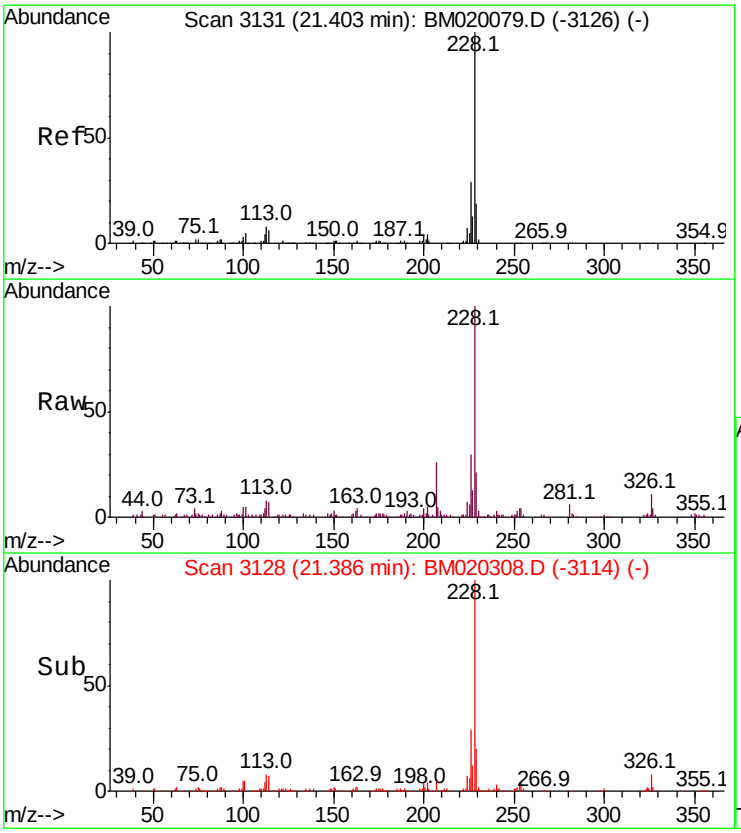
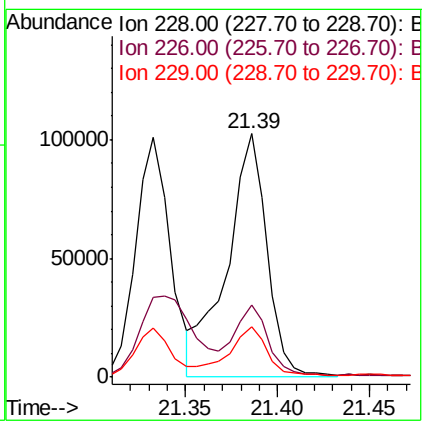
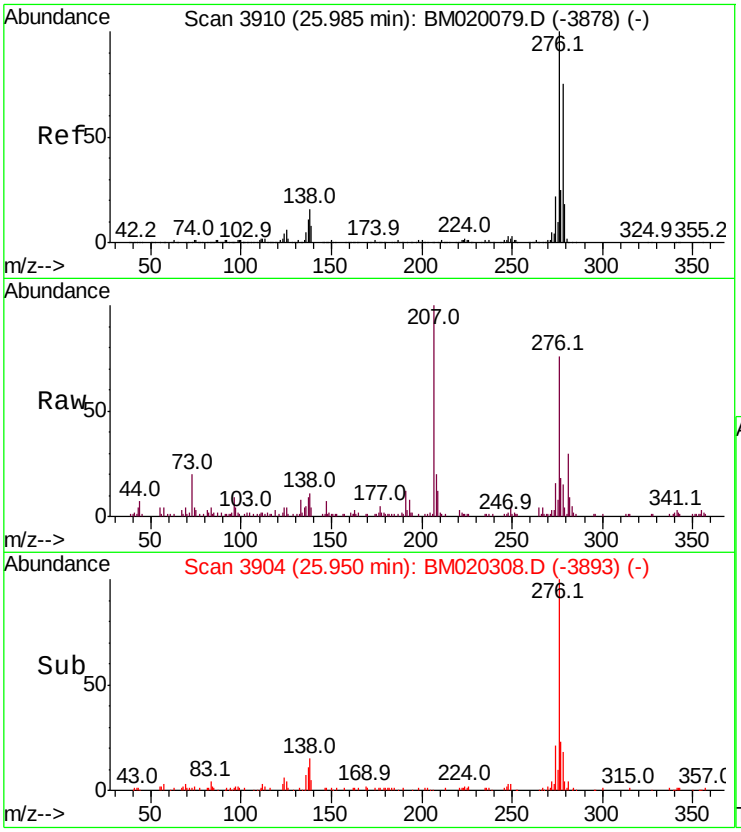


#83
Chrysene
Concen: 6.692 ng m
RT: 21.39 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:228 Resp: 157493

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.6
229	20.7	15.5	23.3





#86
Indeno(1,2,3-cd)pyrene
Concen: 3.447 ng
RT: 25.95 min Scan# 3904
Delta R.T. -0.04 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:276 Resp: 96499

Ion	Ratio	Lower	Upper
276	100		
138	17.2	0.0	0.0#
277	26.5	0.0	0.0#

Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

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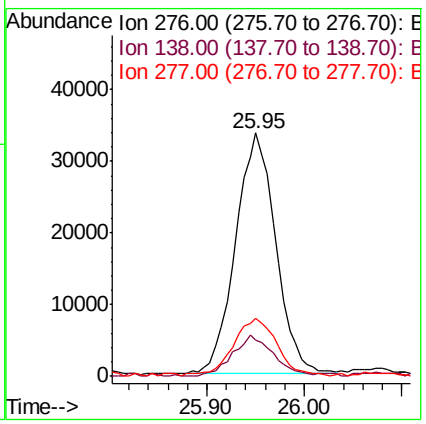
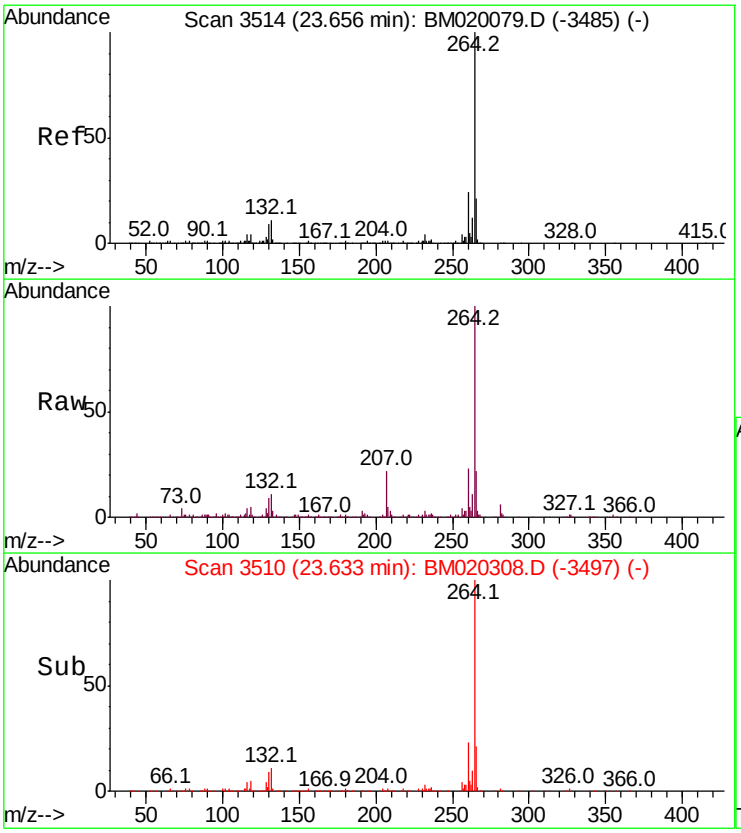
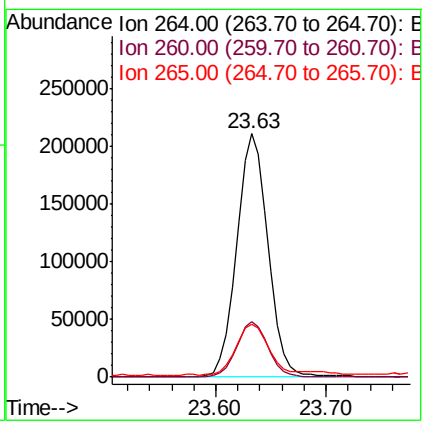


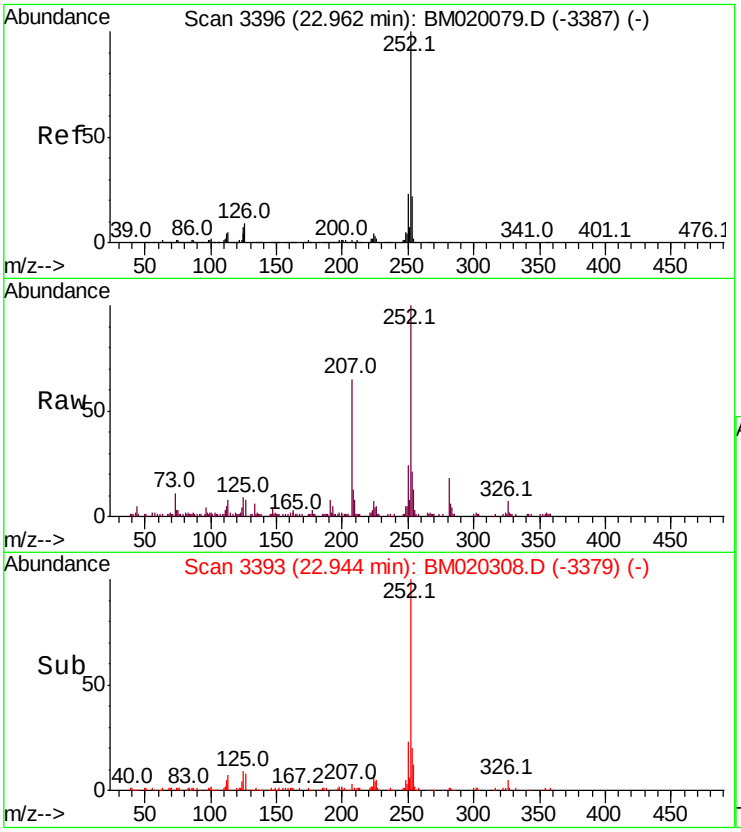


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:264 Resp: 419589

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.9	16.9	25.3





#88
Benzo(b)fluoranthene
Concen: 5.793 ng m
RT: 22.94 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:252 Resp: 160503

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	9.4	5.4	8.2#

Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
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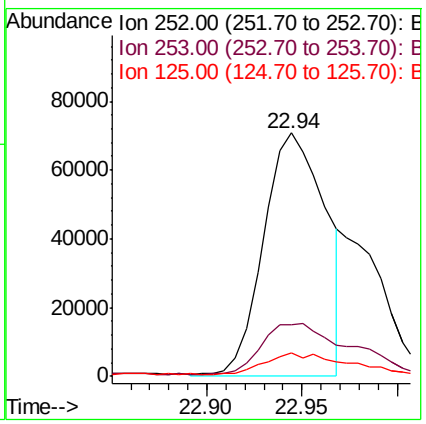
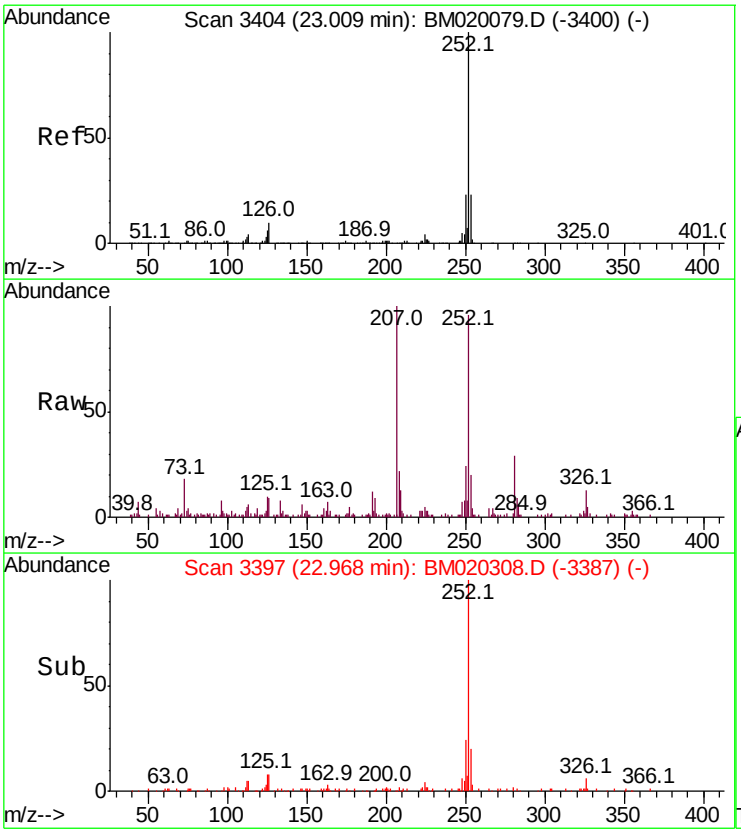
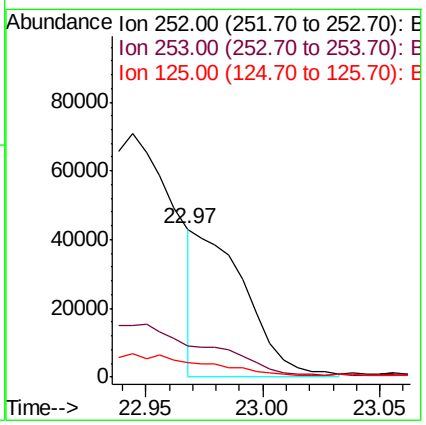


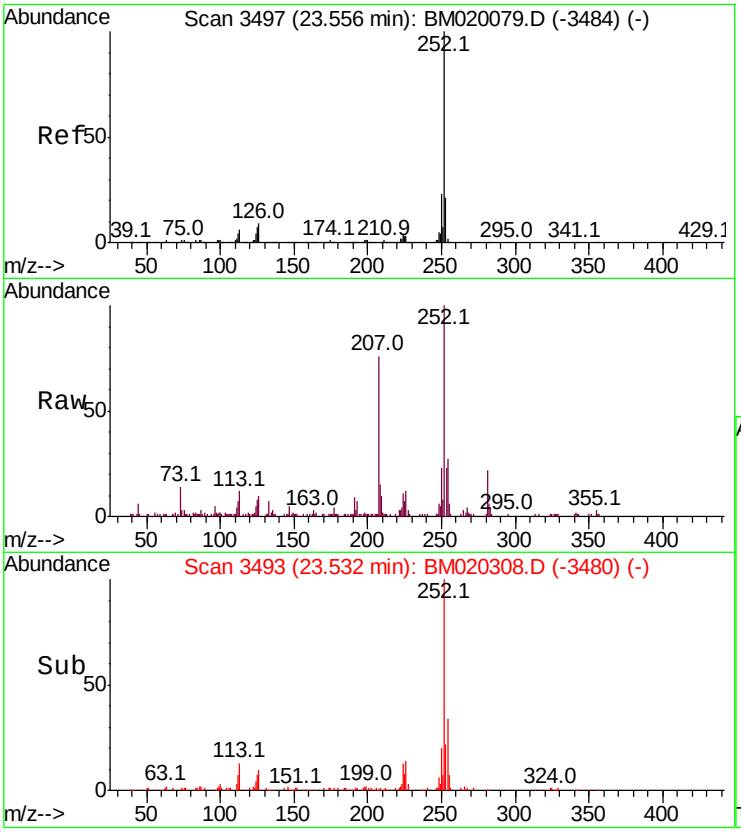


#89
Benzo(k)fluoranthene
Concen: 2.553 ng m
RT: 22.97 min Scan# 3397
Delta R.T. -0.04 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:252 Resp: 64518

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.8
125	9.9	5.4	8.0#





#90
Benzo(a)pyrene
Concen: 4.440 ng
RT: 23.53 min Scan# 3493
Delta R.T. -0.02 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:252 Resp: 111737

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.5	5.5	8.3#

Instrument :
BNA_M
ClientSampleId :
P026-SS009-1824-01

Manual Integrations APPROVED
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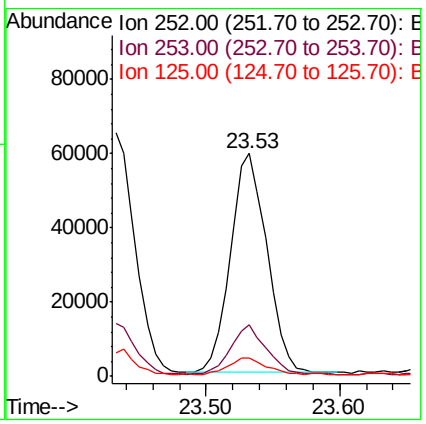

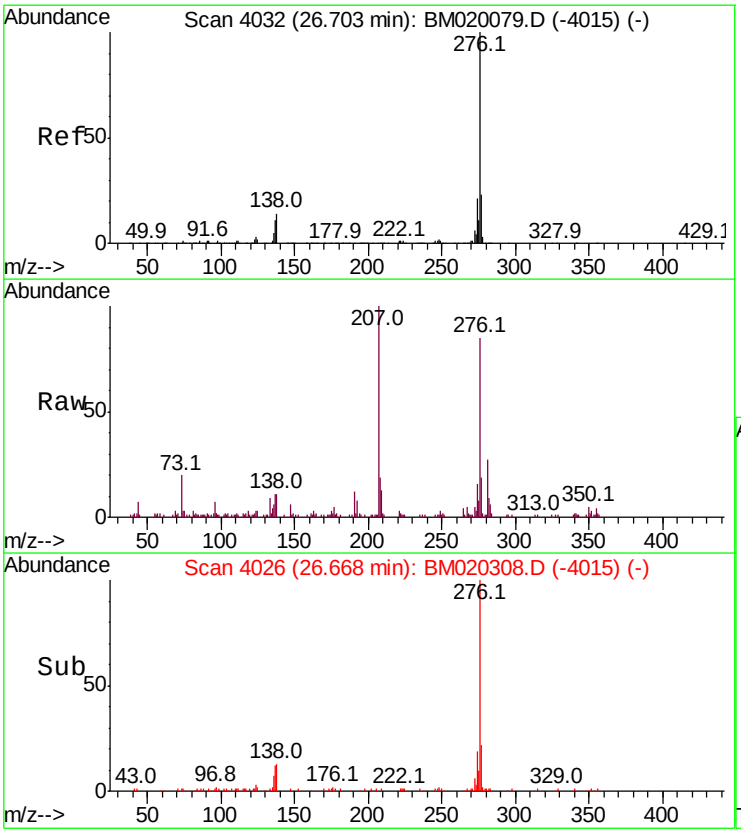

#92
Benzo(g,h,i)perylene
Concen: 4.690 ng
RT: 26.67 min Scan# 4026
Delta R.T. -0.04 min
Lab File: BM020308.D
Acq: 12 May 2019 20:54

Tgt Ion:276 Resp: 116533

Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.4	27.6
138	13.2	11.1	16.7