Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-5

Manual Integrations APPROVED
mohammad
4/19/2021 11:46:31 AM

Quant Time: Apr 16 23:20:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 11:56:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	95433	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	370758	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	203887	20.00	ng	0.00
64) Phenanthrene-d10	17.057	188	406514	20.00	ng	0.00
76) Chrysene-d12	21.239	240	407481	20.00	ng	0.00
86) Perylene-d12	23.444	264	425954	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	237059	41.01	ng	0.00
7) Phenol-d6	6.845	99	305436	37.43	ng	0.00
23) Nitrobenzene-d5	8.822	82	219445	27.14	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	82769	40.62	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	356909	24.39	ng	0.00
79) Terphenyl-d14	19.686	244	421155	19.63	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.374	154	34132	2.90	ng	98
55) Dibenzofuran	14.710	168	39265	2.13	ng	92
58) Fluorene	15.357	166	47043	3.11	ng	92
71) Phenanthrene	17.098	178	835845	35.55	ng	99
72) Anthracene	17.186	178	197155	8.49	ng	99
73) Carbazole	17.457	167	75781	3.34	ng	98
75) Fluoranthene	19.115	202	1418435	54.16	ng	99
78) Pyrene	19.480	202	1323325	46.74	ng	100
81) Benzo(a)anthracene	21.221	228	763576	28.08	ng	97
83) Chrysene	21.274	228	675501	25.37	ng	98
87) Indeno(1,2,3-cd)pyrene	25.668	276	541549	17.25	ng	98
88) Benzo(b)fluoranthene	22.786	252	1005784m	35.96	ng	
89) Benzo(k)fluoranthene	22.827	252	307820m	11.51	ng	
90) Benzo(a)pyrene	23.350	252	794952	31.08	ng	95
91) Dibenzo(a,h)anthracene	25.668	278	144696m	5.37	ng	
92) Benzo(g,h,i)perylene	26.350	276	524637	20.19	ng	97

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

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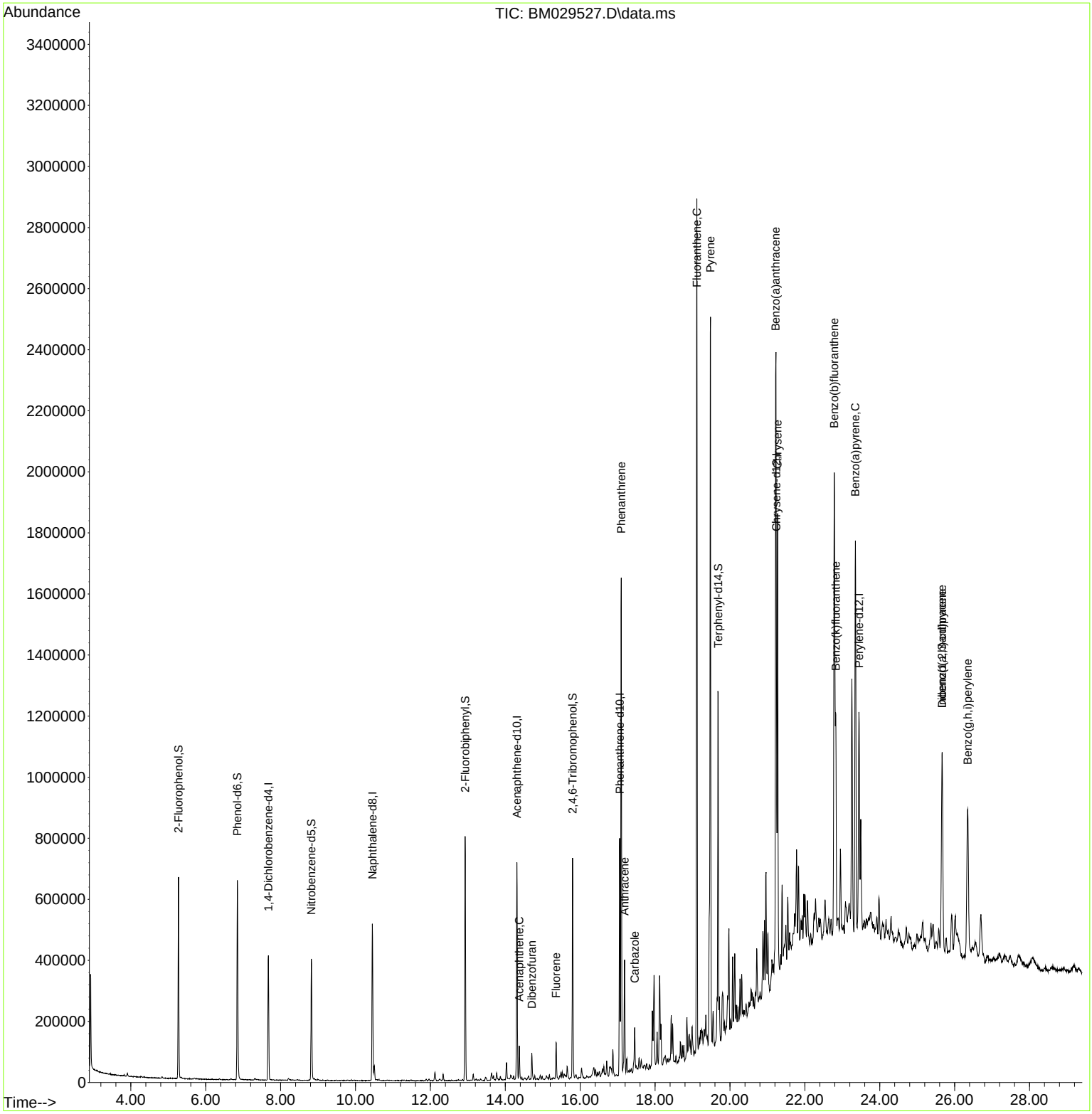
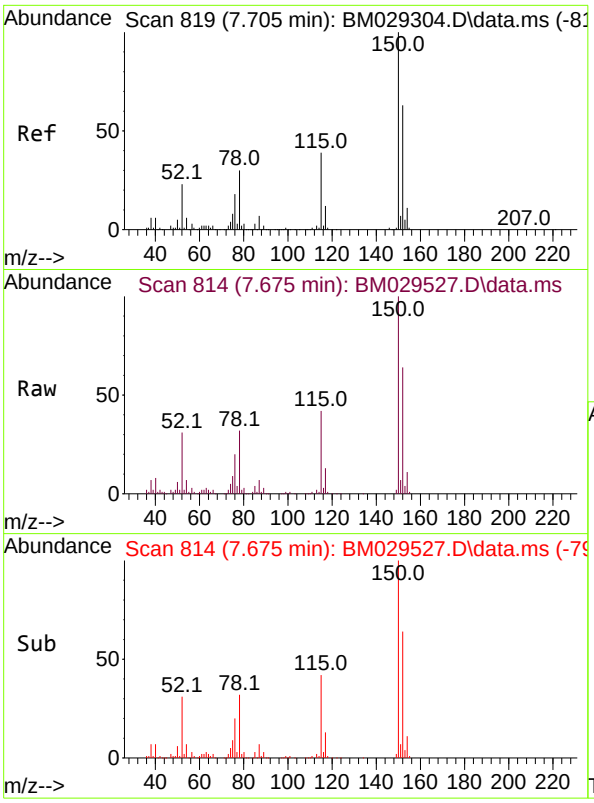
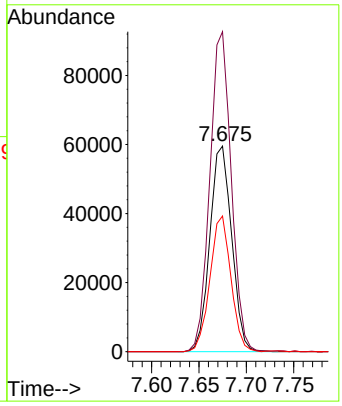




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:152 Resp: 95433

Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.3	186.5
115	65.9	46.4	69.6



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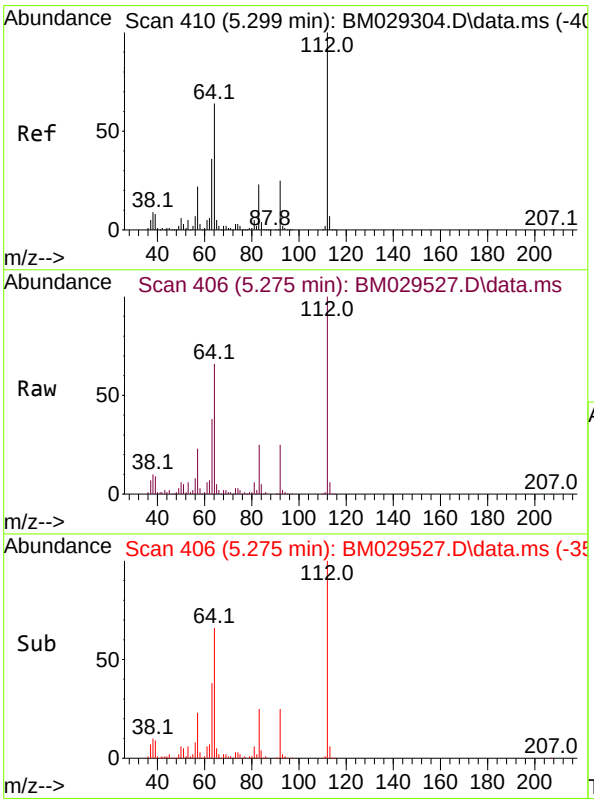
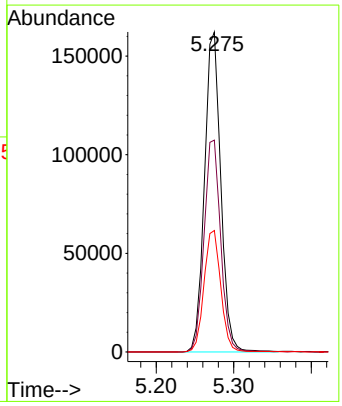
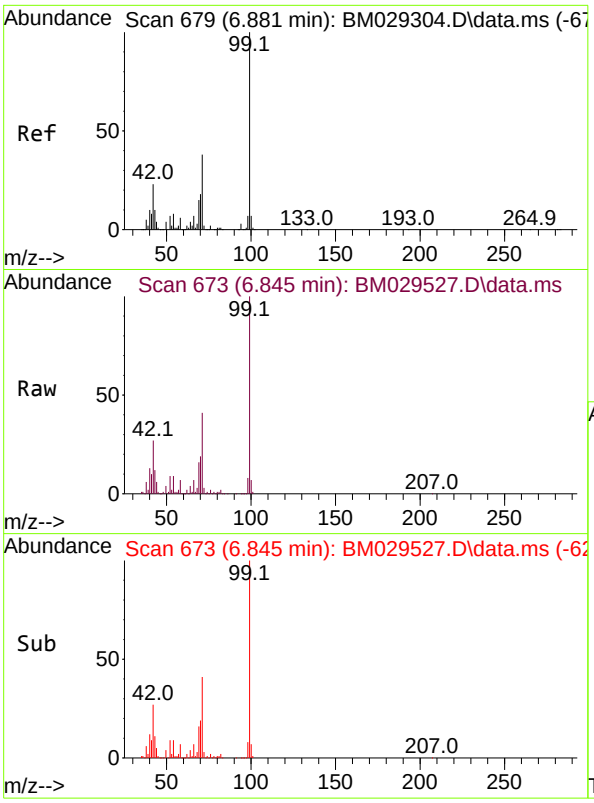


#5
2-Fluorophenol
Concen: 41.01 ng
RT: 5.275 min Scan# 406
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:112 Resp: 237059

Ion	Ratio	Lower	Upper
112	100		
64	66.2	51.6	77.4
63	37.9	29.0	43.4

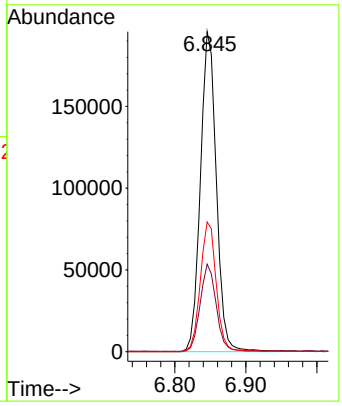




#7
Phenol-d6
Concen: 37.43 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion: 99 Resp: 305436

Ion	Ratio	Lower	Upper
99	100		
42	27.3	18.5	27.7
71	40.6	31.8	47.6



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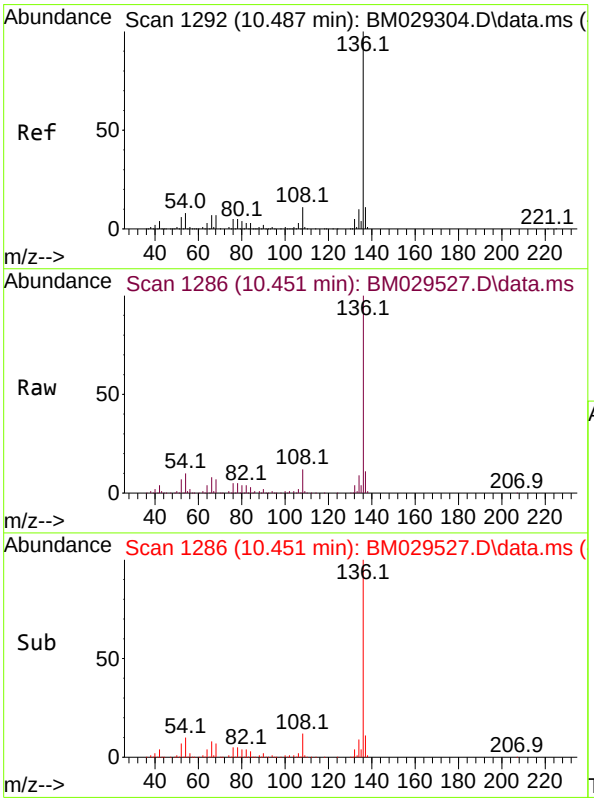
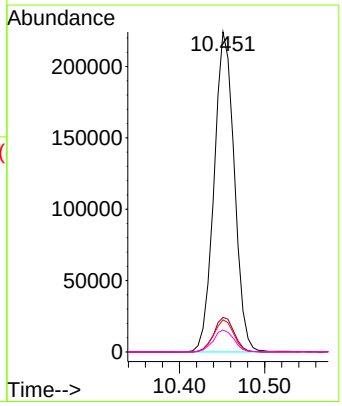
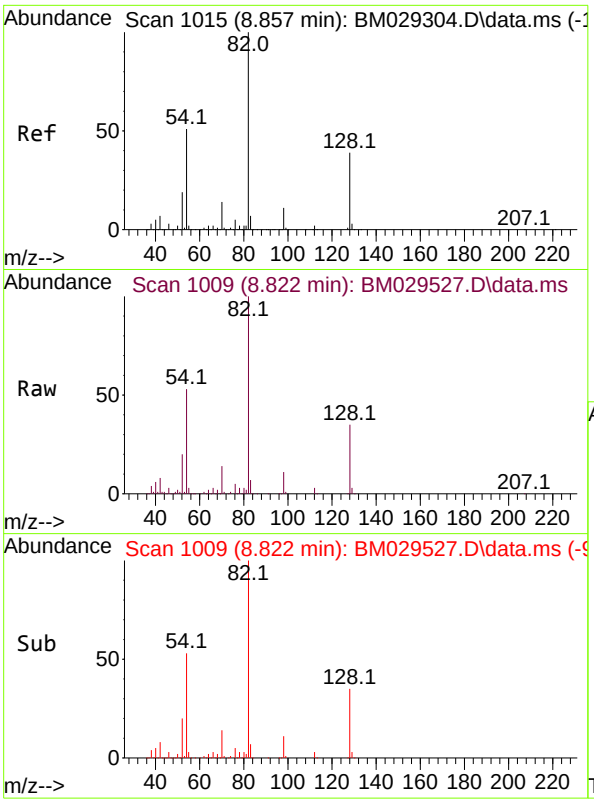


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:136 Resp: 370758

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	10.1	6.9	10.3
68	6.8	5.4	8.0

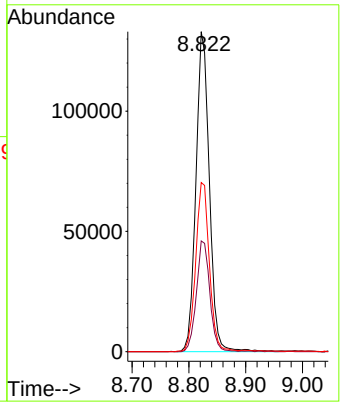




#23
Nitrobenzene-d5
Concen: 27.14 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion: 82 Resp: 219445

Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.6	42.8
54	52.9	40.7	61.1



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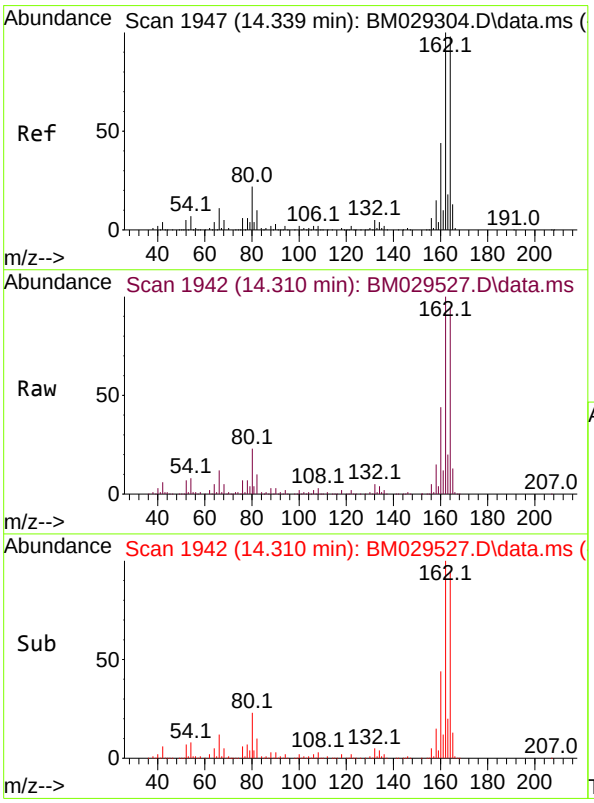
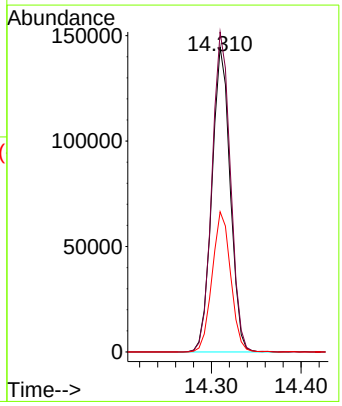
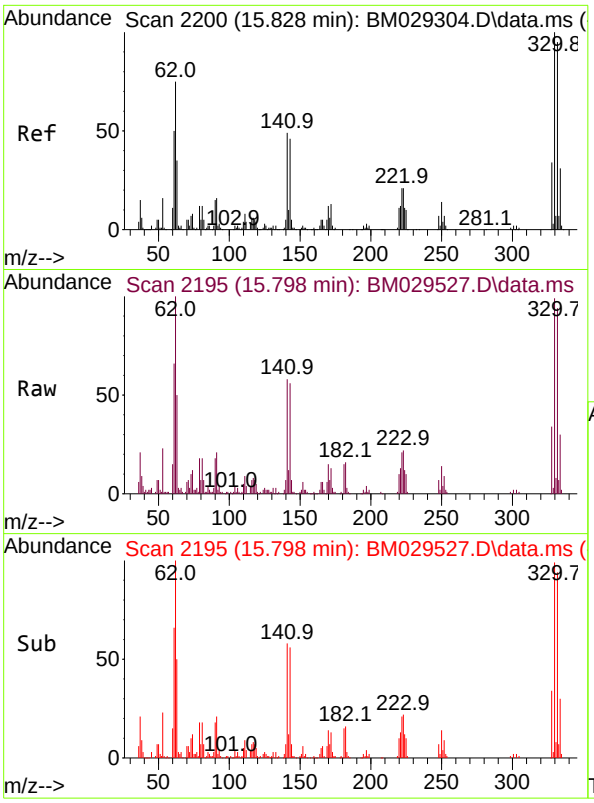


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:164 Resp: 203887

Ion	Ratio	Lower	Upper
164	100		
162	105.0	84.4	126.6
160	46.0	36.6	54.8

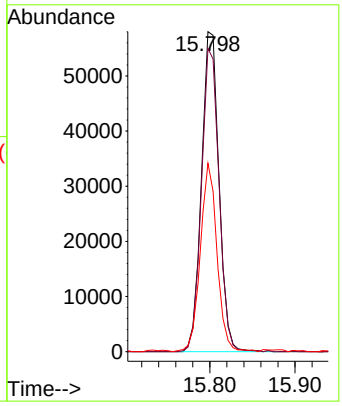


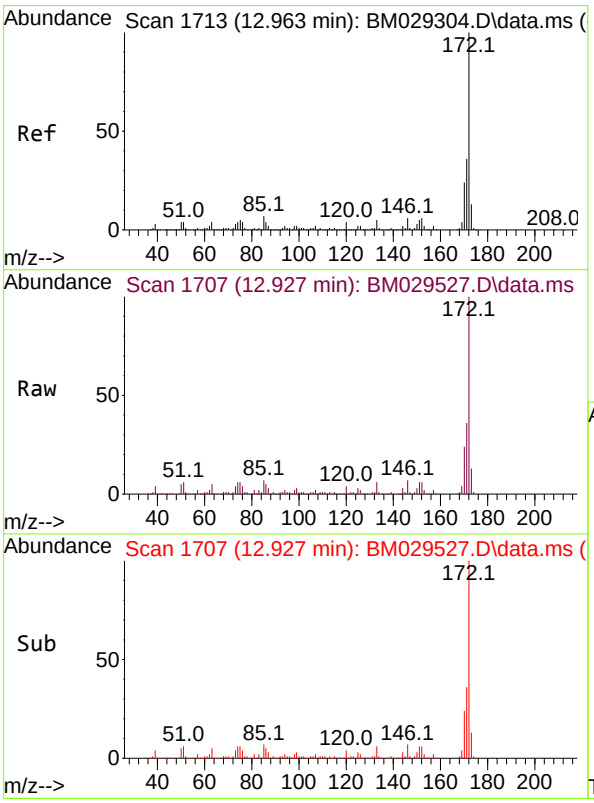


#42
2,4,6-Tribromophenol
Concen: 40.62 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:330 Resp: 82769

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.1	115.7
141	56.2	39.2	58.8

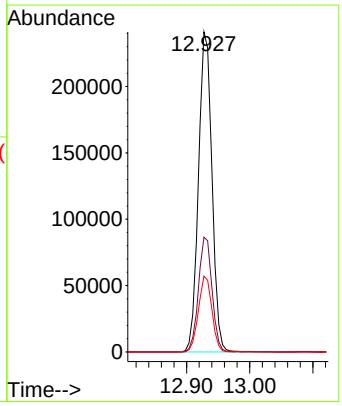




#45
2-Fluorobiphenyl
Concen: 24.39 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:172 Resp: 356909

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.7	18.8	28.2



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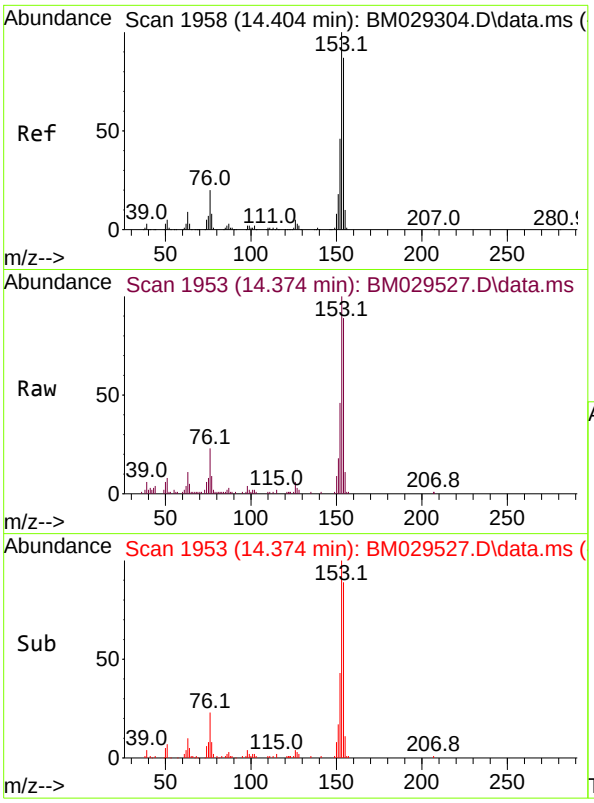
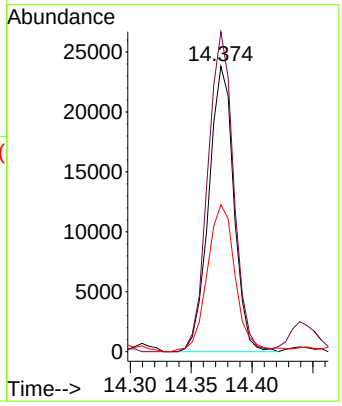


#52
Acenaphthene
Concen: 2.90 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:154 Resp: 34132

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.5	135.7
152	51.5	43.4	65.2



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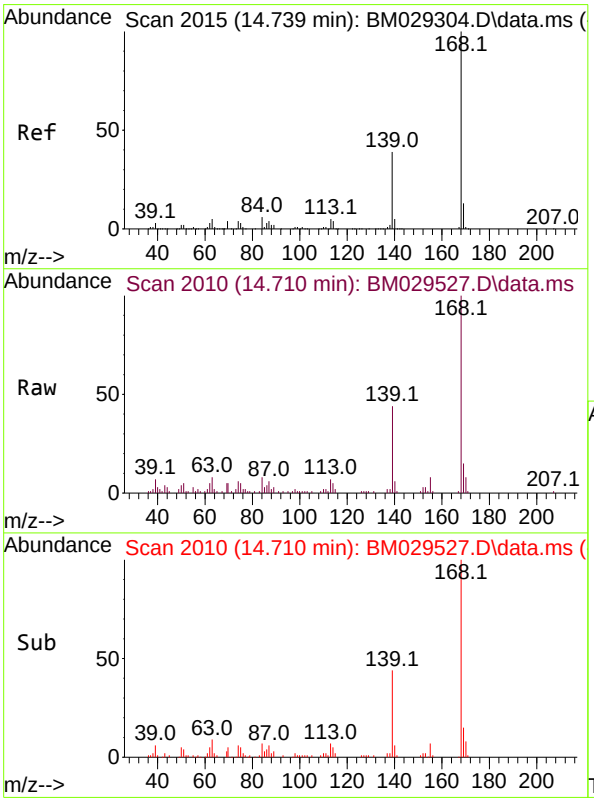
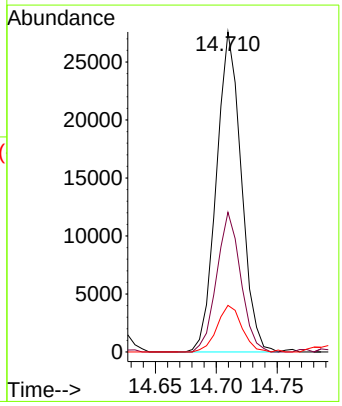
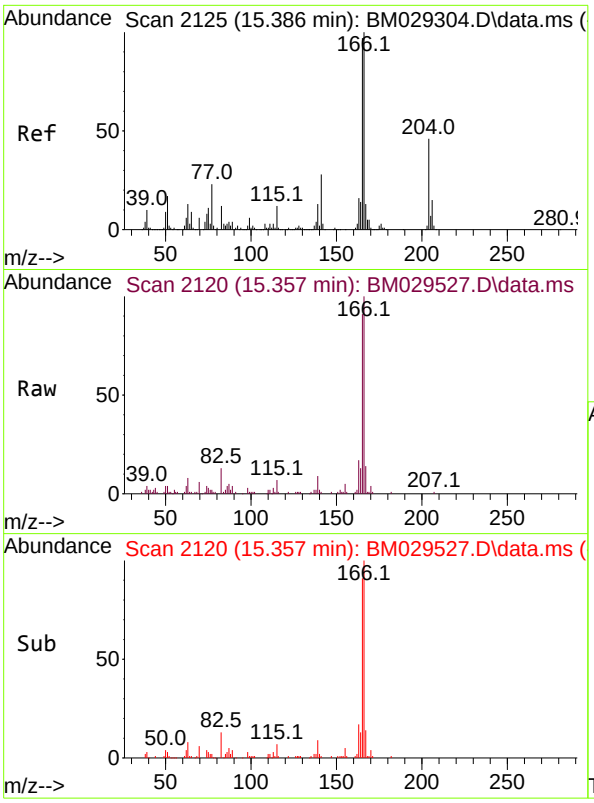


#55
Dibenzofuran
Concen: 2.13 ng
RT: 14.710 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:168 Resp: 39265

Ion	Ratio	Lower	Upper
168	100		
139	43.7	30.6	46.0
169	14.5	10.2	15.4

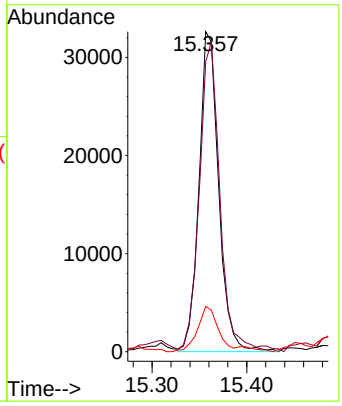




#58
Fluorene
Concen: 3.11 ng
RT: 15.357 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:166 Resp: 47043

Ion	Ratio	Lower	Upper
166	100		
165	90.6	79.6	119.4
167	14.2	11.0	16.6



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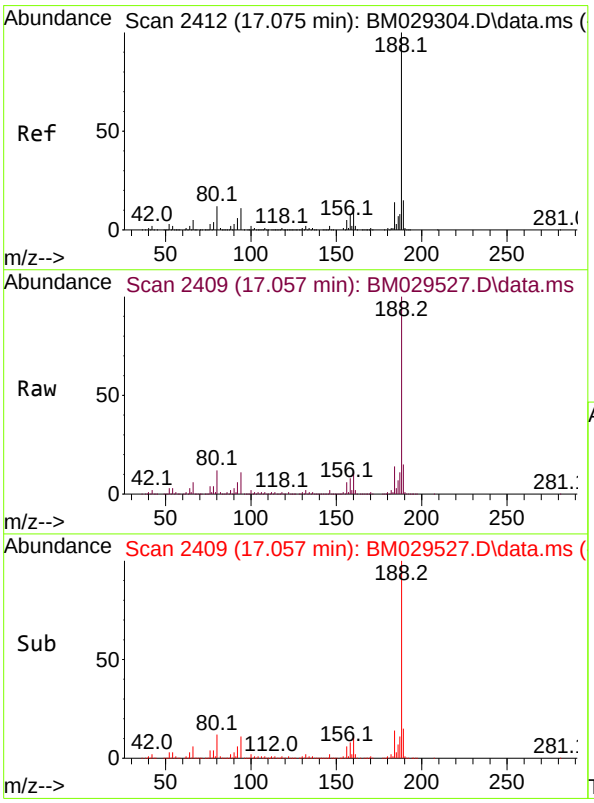
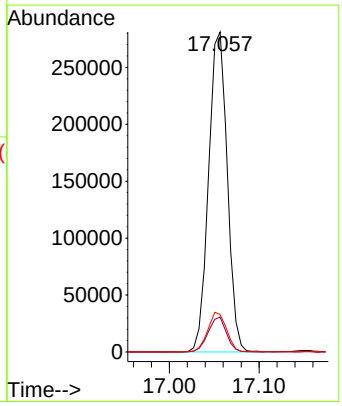
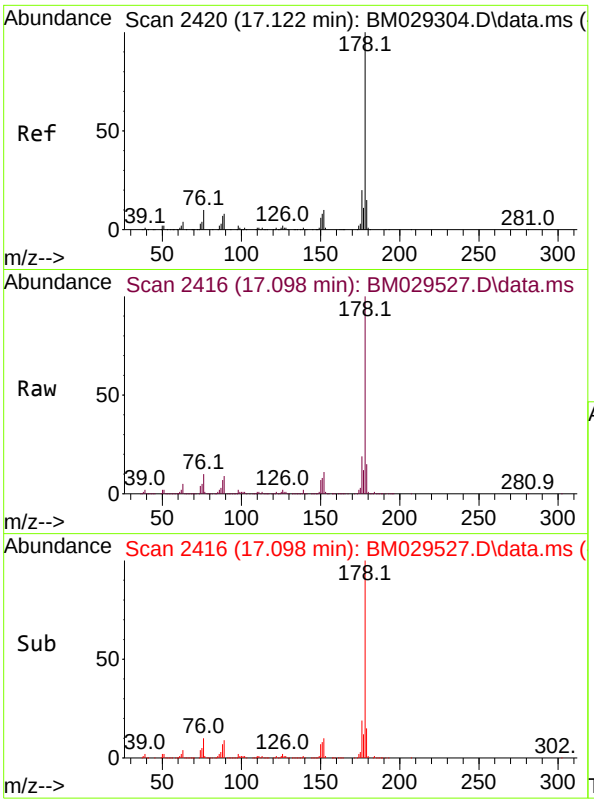


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:188 Resp: 406514

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.1	12.1
80	11.7	9.2	13.8

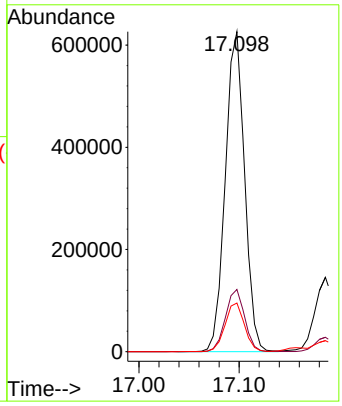




#71
Phenanthrene
Concen: 35.55 ng
RT: 17.098 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:178 Resp: 835845

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.2	11.9	17.9



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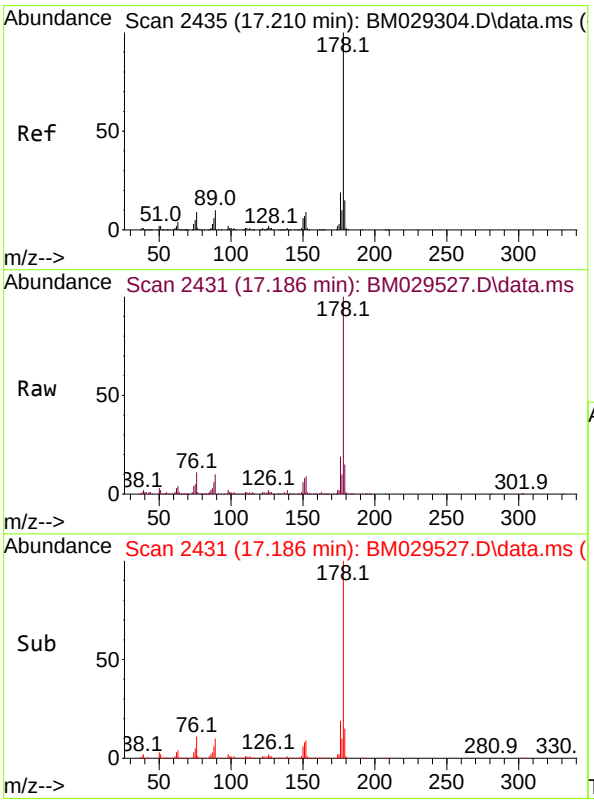
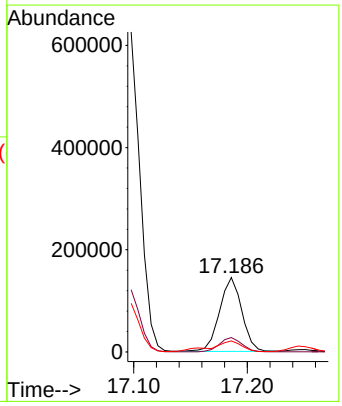
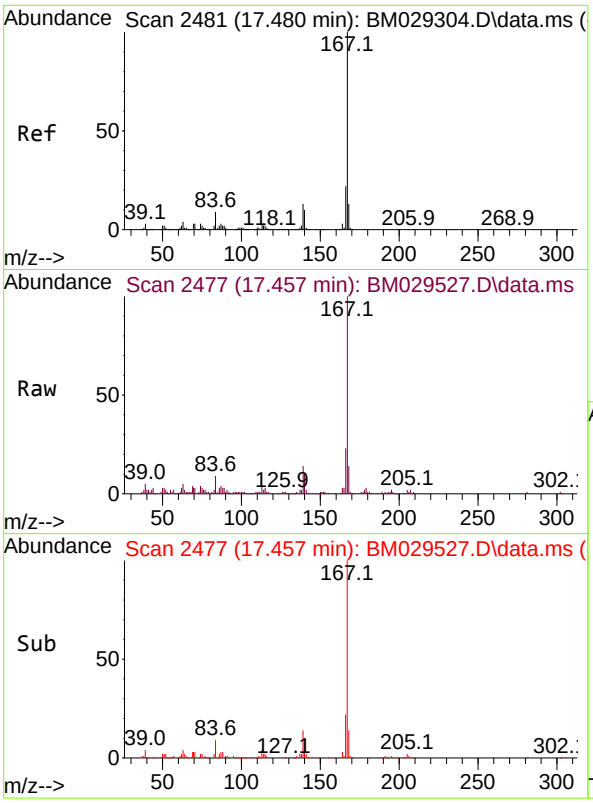


#72
Anthracene
Concen: 8.49 ng
RT: 17.186 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:178 Resp: 197155

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	14.7	12.1	18.1

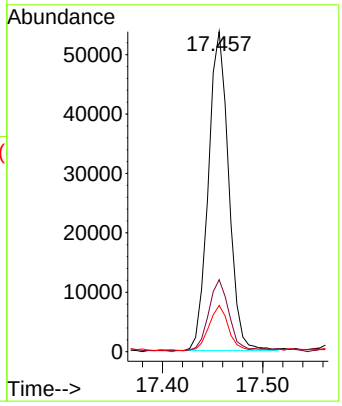




#73
Carbazole
Concen: 3.34 ng
RT: 17.457 min Scan# 2477
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:167 Resp: 75781

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	14.4	10.6	15.8



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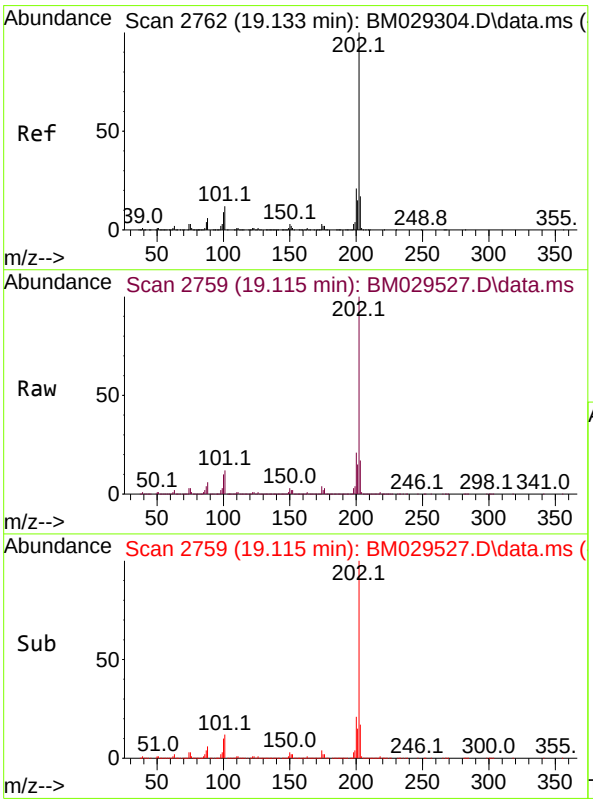
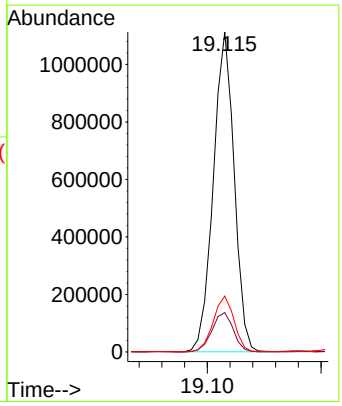
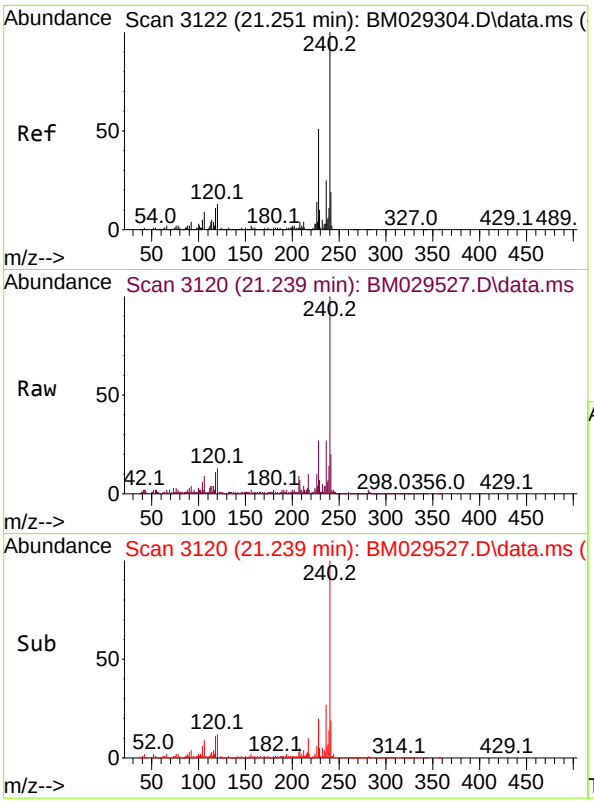


#75
Fluoranthene
Concen: 54.16 ng
RT: 19.115 min Scan# 2759
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:202 Resp: 1418435

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.5
203	17.5	0.0	37.7

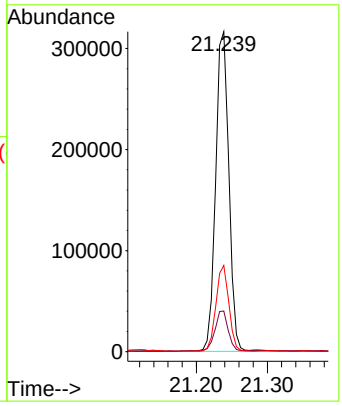


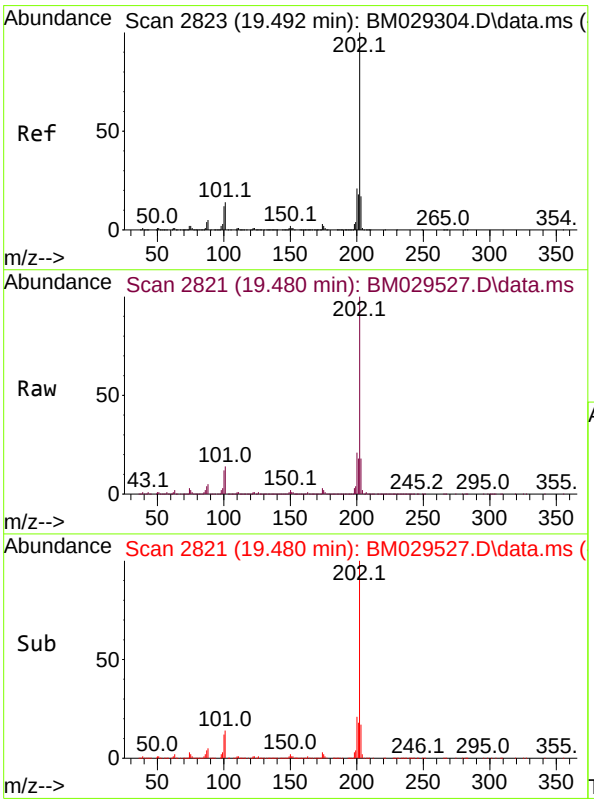


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.239 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:240 Resp: 407481

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.0	13.6
236	27.0	20.3	30.5

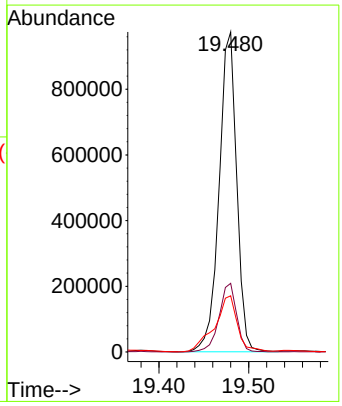




#78
Pyrene
Concen: 46.74 ng
RT: 19.480 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:202 Resp: 1323325

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.6	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
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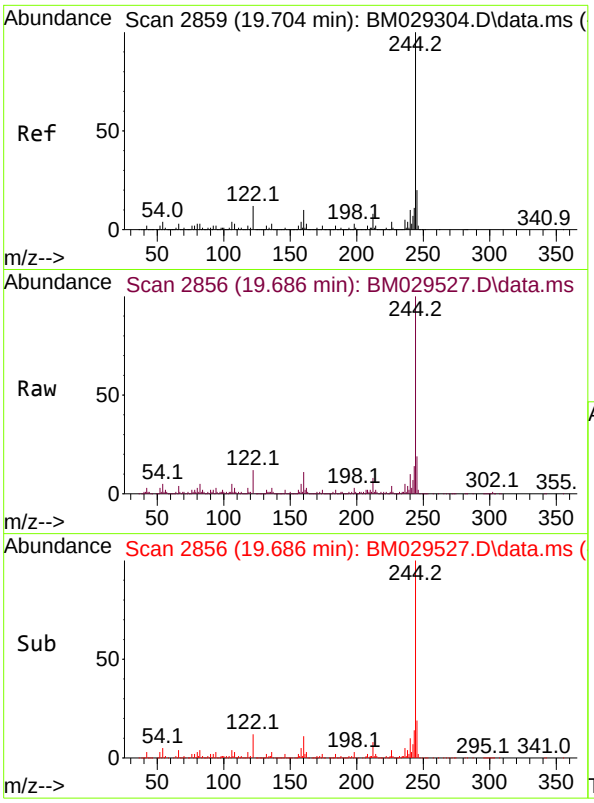
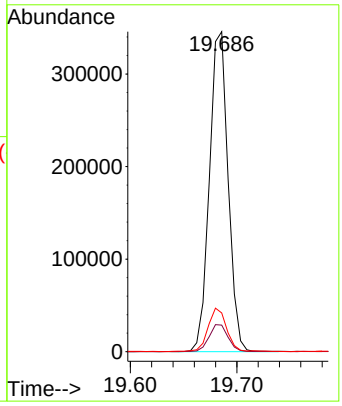


#79
Terphenyl-d14
Concen: 19.63 ng
RT: 19.686 min Scan# 2856
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:244 Resp: 421155

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.5	9.7
122	12.1	9.2	13.8



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ClientSampleId :
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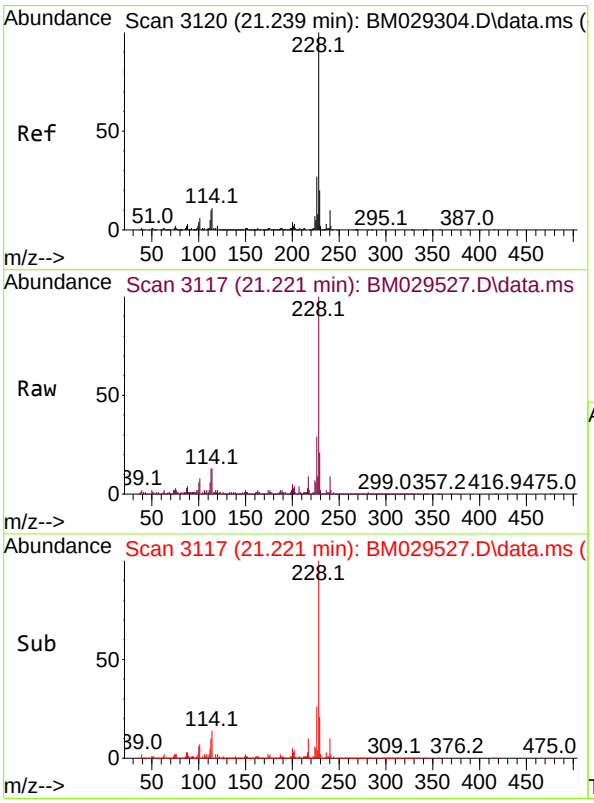
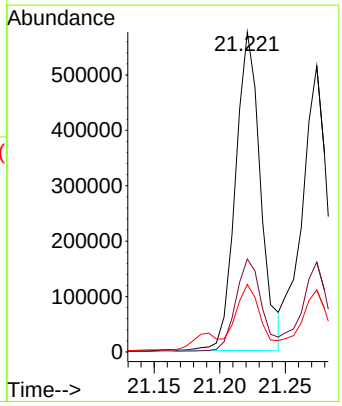
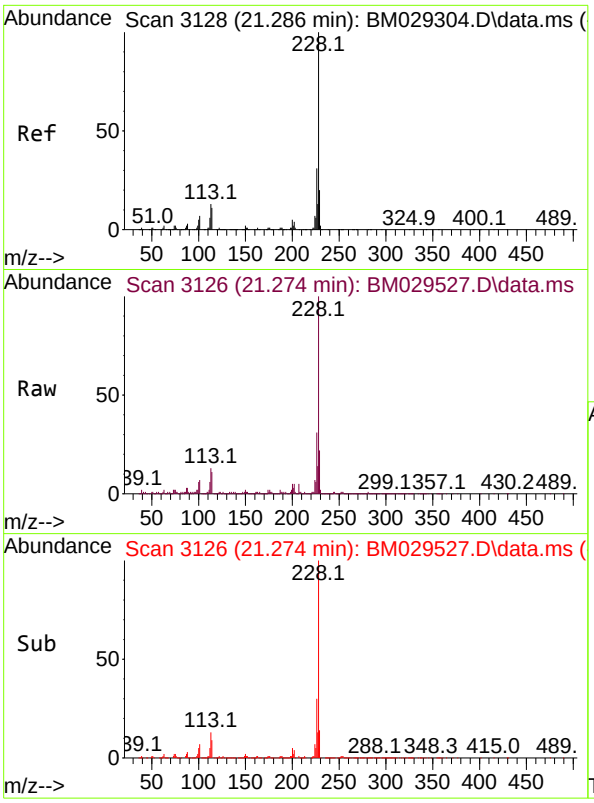


#81
Benzo(a)anthracene
Concen: 28.08 ng
RT: 21.221 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:228 Resp: 763576

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.9	32.9
229	21.1	15.7	23.5

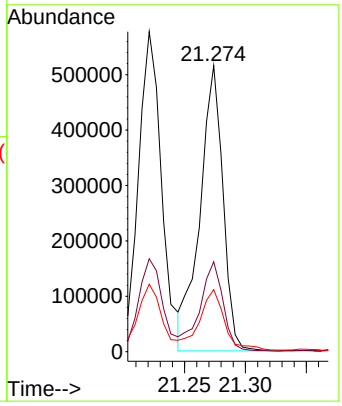


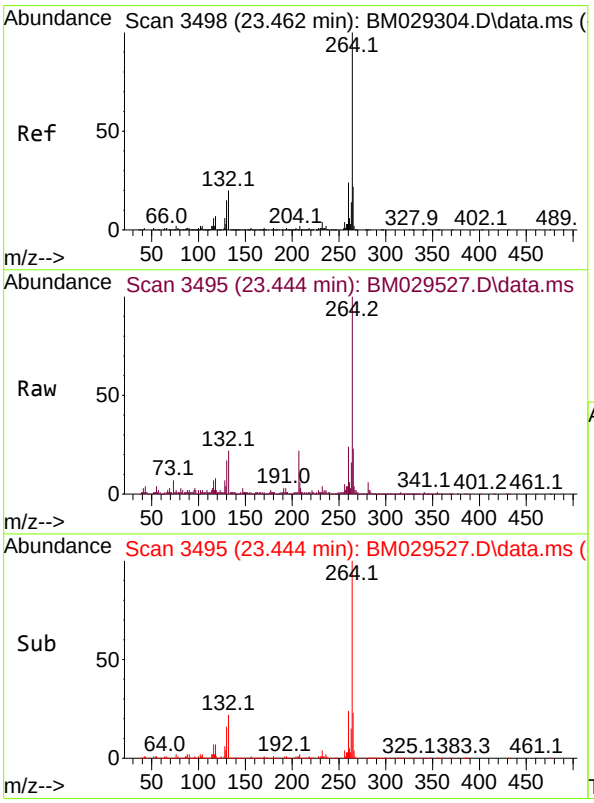


#83
Chrysene
Concen: 25.37 ng
RT: 21.274 min Scan# 3126
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:228 Resp: 675501

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.7	37.1
229	21.7	15.8	23.6

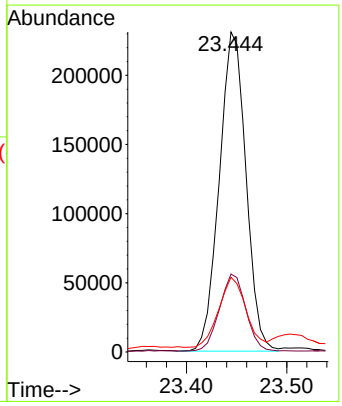




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.444 min Scan# 3495
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:264 Resp: 425954

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	23.4	17.8	26.8



Instrument :
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ClientSampleId :
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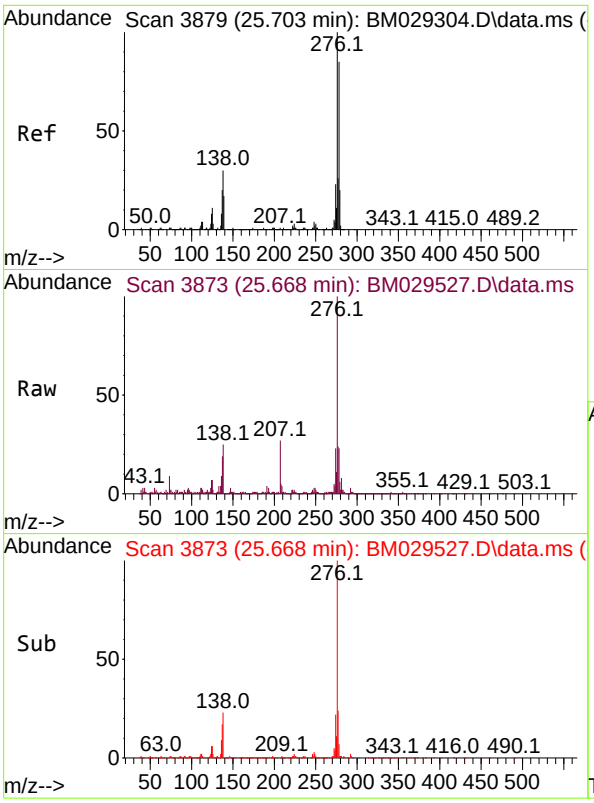
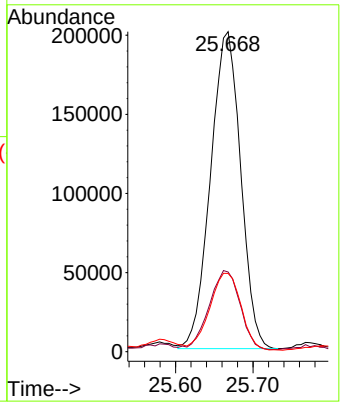
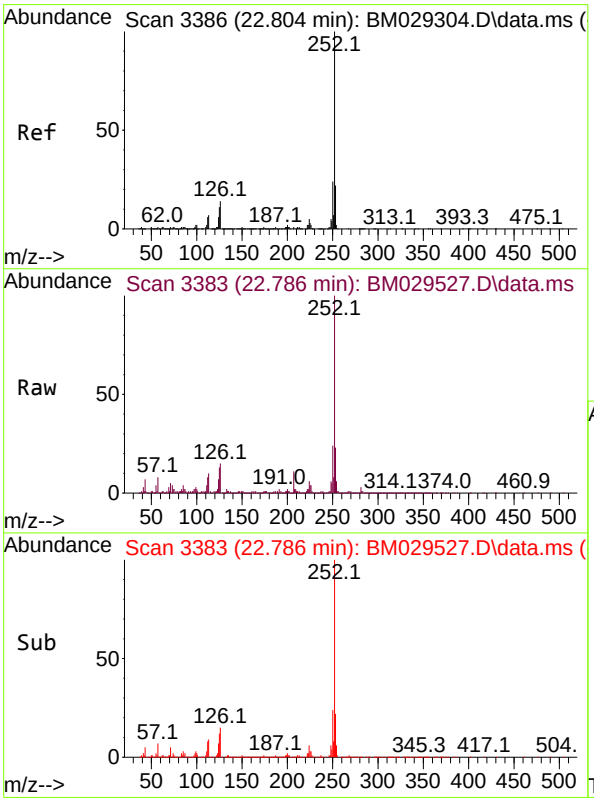


#87
Indeno(1,2,3-cd)pyrene
Concen: 17.25 ng
RT: 25.668 min Scan# 3873
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:276 Resp: 541549

Ion	Ratio	Lower	Upper
276	100		
138	25.8	22.6	34.0
277	25.3	20.2	30.4

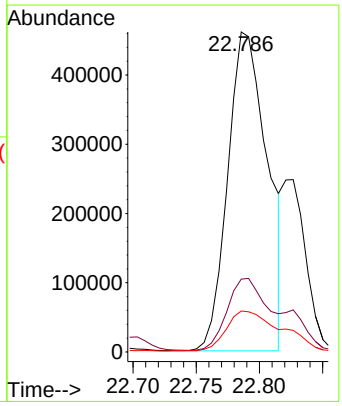




#88
Benzo(b)fluoranthene
Concen: 35.96 ng m
RT: 22.786 min Scan# 3383
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:252 Resp: 1005784

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	12.8	9.0	13.4



Instrument :
BNA_M
ClientSampleId :
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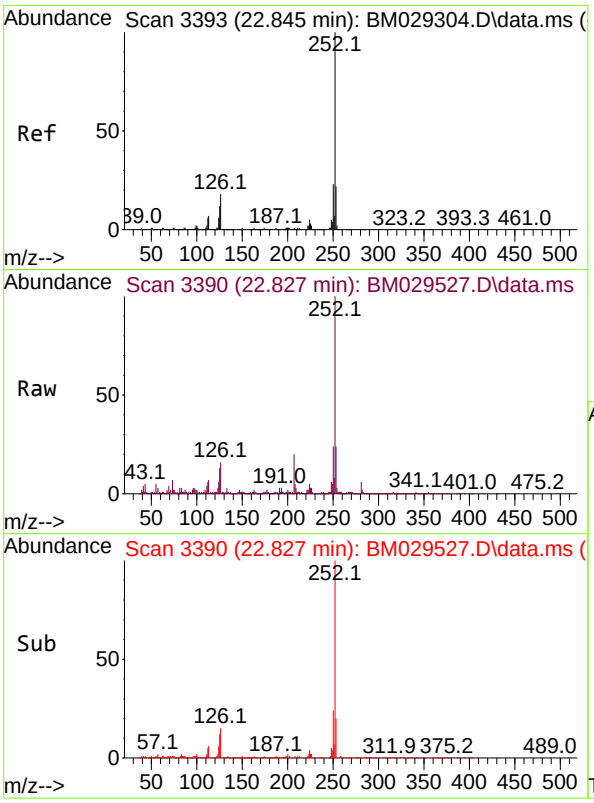
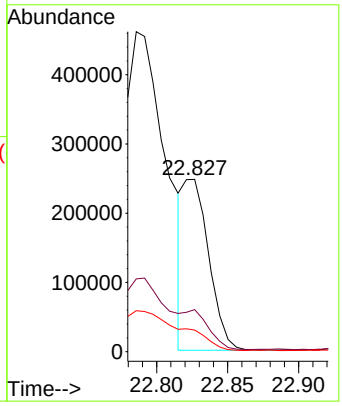
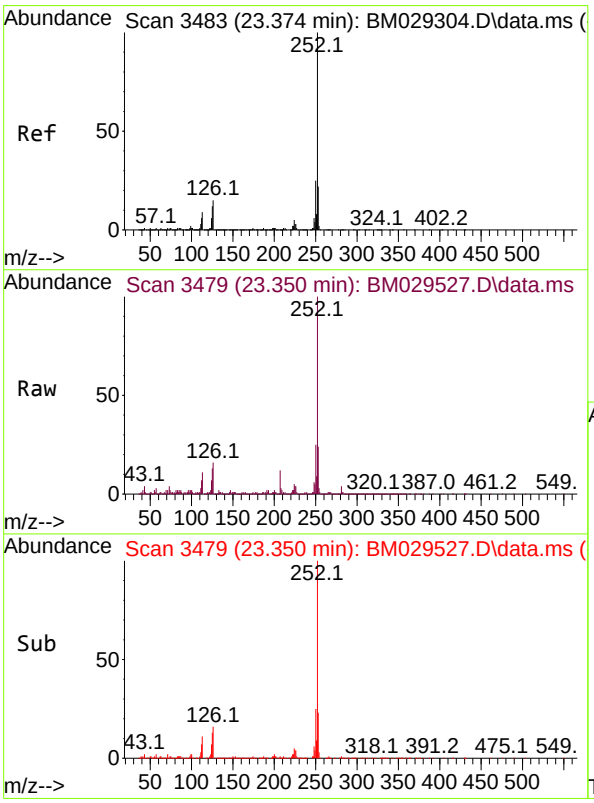


#89
Benzo(k)fluoranthene
Concen: 11.51 ng m
RT: 22.827 min Scan# 3390
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:252 Resp: 307820

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	12.6	8.7	13.1

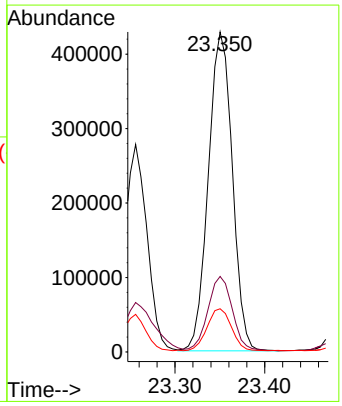




#90
Benzo(a)pyrene
Concen: 31.08 ng
RT: 23.350 min Scan# 3479
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:252 Resp: 794952

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	13.5	9.5	14.3



Instrument :
BNA_M
ClientSampleId :
TP-5

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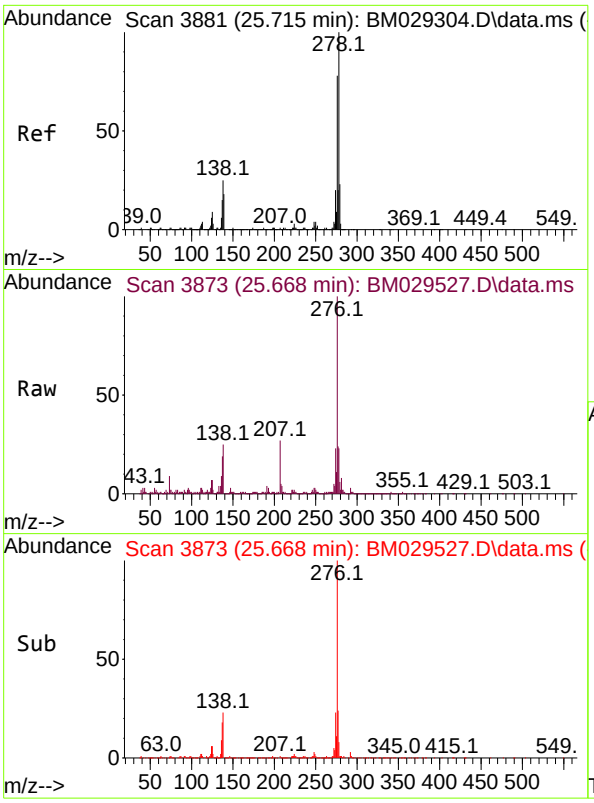
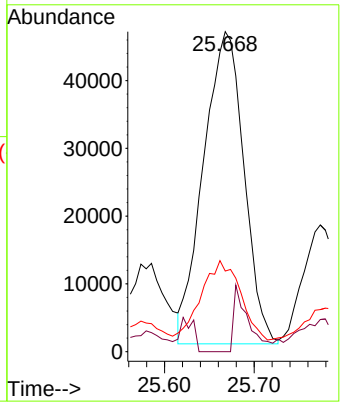
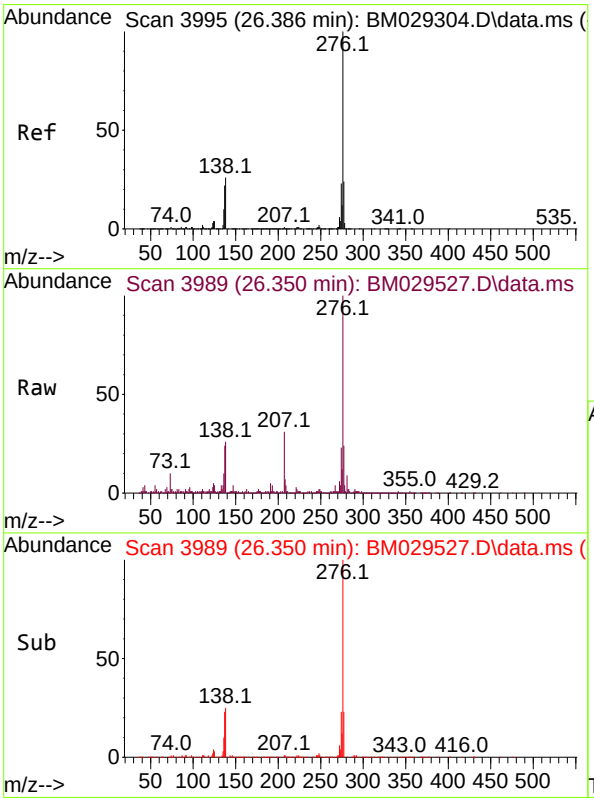


#91
Dibenzo(a,h)anthracene
Concen: 5.37 ng m
RT: 25.668 min Scan# 3873
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:278 Resp: 144696

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	25.2	19.3	28.9

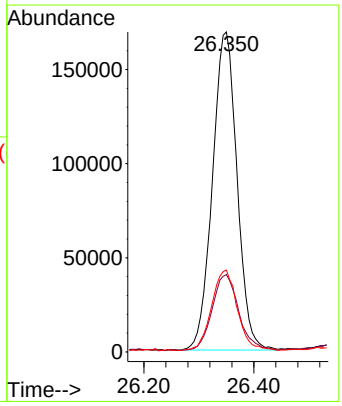




#92
Benzo(g,h,i)perylene
Concen: 20.19 ng
RT: 26.350 min Scan# 3989
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:276 Resp: 524637

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.7	28.1
138	25.6	19.0	28.4



Instrument :
BNA_M
ClientSampleId :
TP-5

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