Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000283.D
Acq On : 17 Sep 2019 19:26
Operator : HP/JU
Sample : K4878-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-8

Manual Integrations APPROVED
mohammad
9/19/2019 4:46:34 PM

Quant Time: Sep 18 08:55:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 16 18:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	274761	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	968182	20.00	ng		0.00
39) Acenaphthene-d10	9.83	164	507537	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	895293	20.00	ng		0.00
76) Chrysene-d12	13.99	240	727191	20.00	ng		0.00
87) Perylene-d12	15.48	264	617065	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	59575	3.74	ng		0.00
7) Phenol-d6	6.42	99	83123	4.26	ng		0.00
23) Nitrobenzene-d5	7.35	82	13624	0.91	ng		0.00
42) 2,4,6-Tribromophenol	10.62	330	7569	1.50	ng		0.00
45) 2-Fluorobiphenyl	9.15	172	103896	3.68	ng		0.00
79) Terphenyl-d14	12.93	244	109099	3.15	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	9.86	154	64815	2.320	ng		99
58) Fluorene	10.38	166	92177	3.022	ng		98
71) Phenanthrene	11.35	178	1276751	28.457	ng		100
72) Anthracene	11.40	178	422095	9.140	ng		98
73) Carbazole	11.56	167	89877	2.161	ng		98
75) Fluoranthene	12.56	202	2044794	42.444	ng		96
78) Pyrene	12.79	202	1743208	32.041	ng		99
81) Benzo(a)anthracene	13.99	228	899574	19.584	ng		99
83) Chrysene	14.02	228	749314	16.614	ng		97
86) Indeno(1,2,3-cd)pyrene	16.96	276	252517m	4.593	ng		
88) Benzo(b)fluoranthene	15.05	252	777368m	21.117	ng		
89) Benzo(k)fluoranthene	15.07	252	274223m	8.540	ng		
90) Benzo(a)pyrene	15.42	252	525452	15.687	ng		97
91) Dibenzo(a,h)anthracene	16.97	278	66734	2.137	ng	#	85
92) Benzo(g,h,i)perylene	17.40	276	210107	6.545	ng		95

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

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BNA_P
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CSA-2-8

Manual Integrations APPROVED
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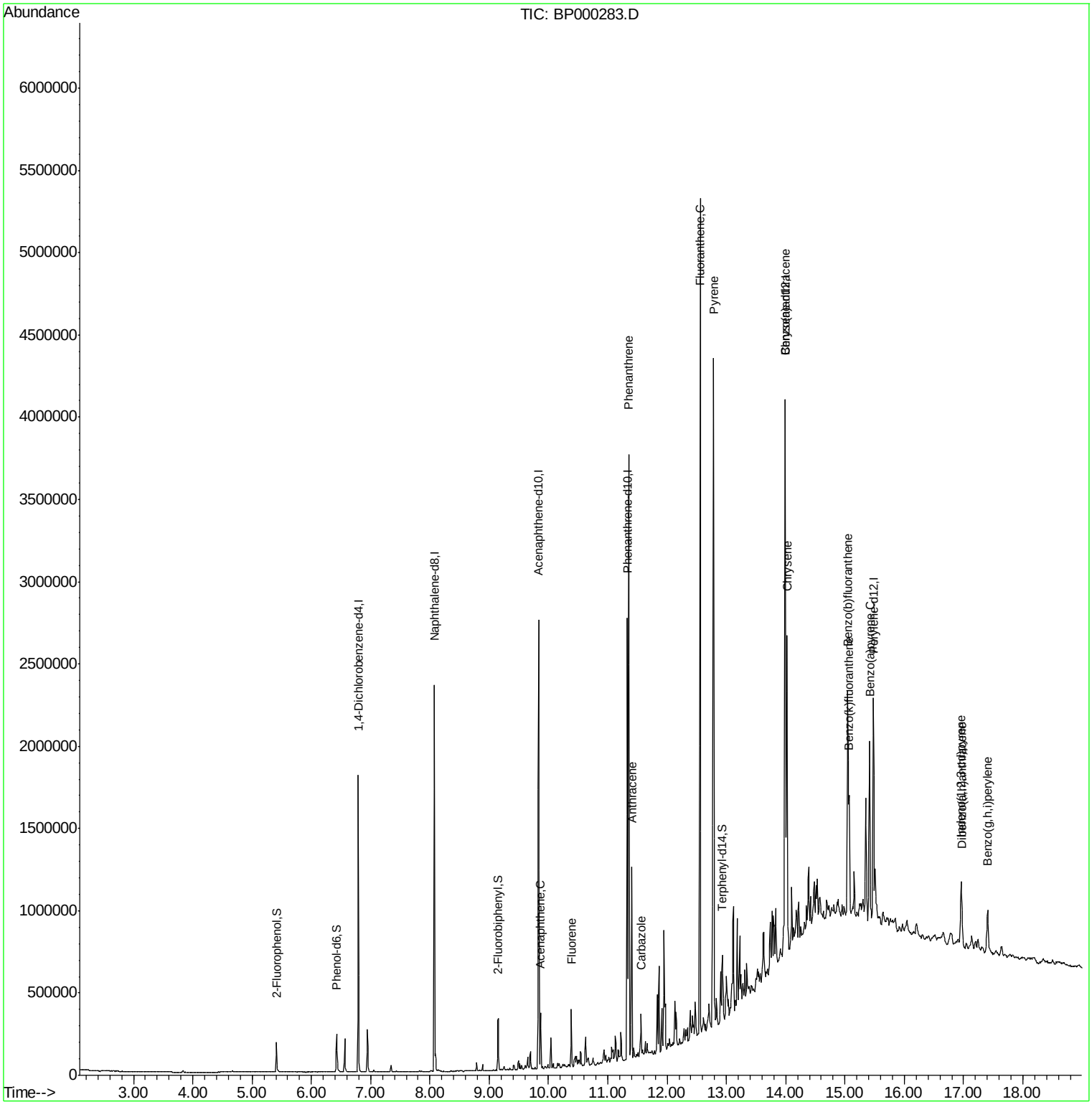
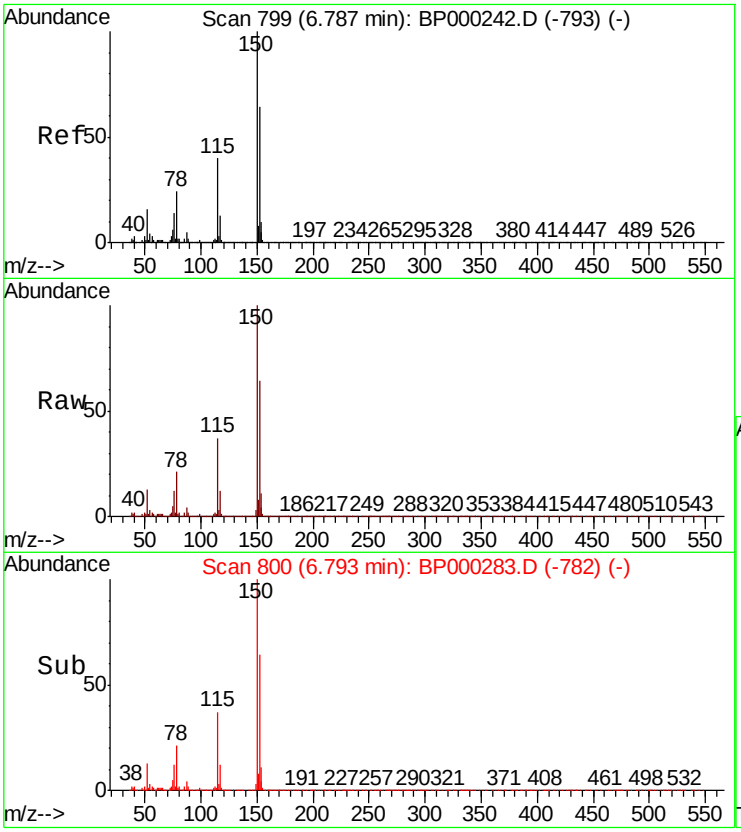
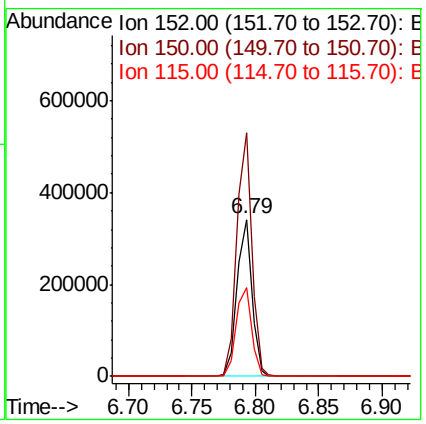




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:152 Resp: 274761

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.2	187.8
115	57.0	49.7	74.5



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

Manual Integrations APPROVED
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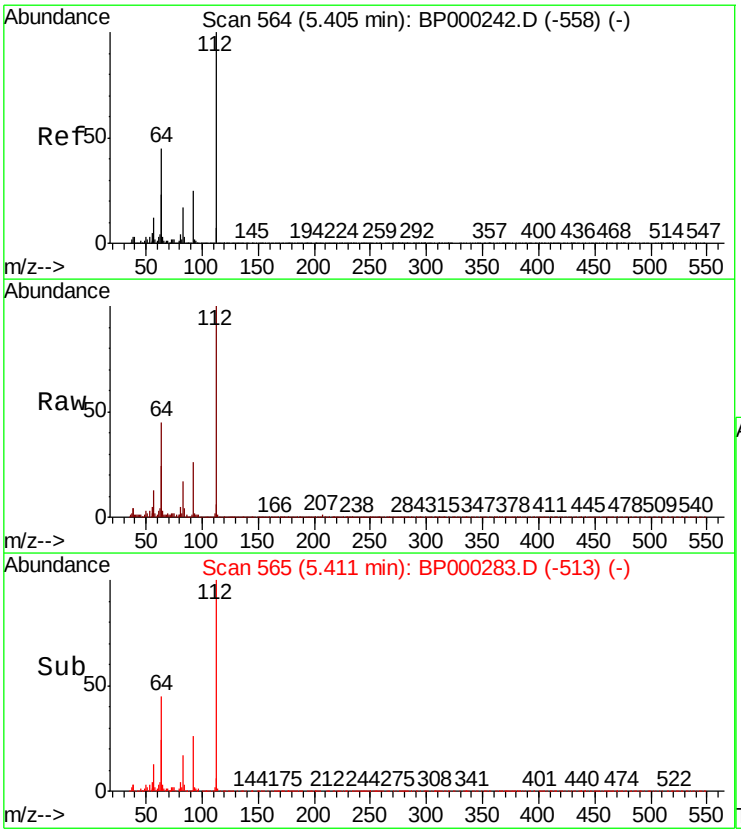
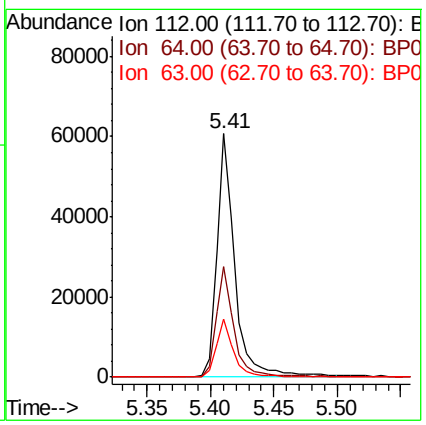
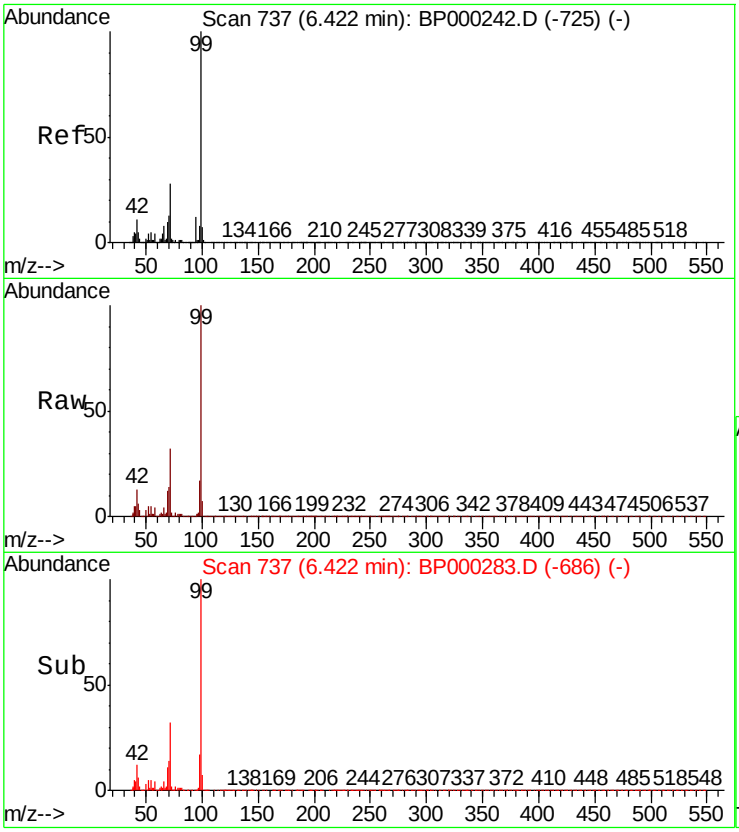


#5
2-Fluorophenol
Concen: 3.743 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:112 Resp: 59575

Ion	Ratio	Lower	Upper
112	100		
64	45.3	36.2	54.4
63	23.6	18.3	27.5

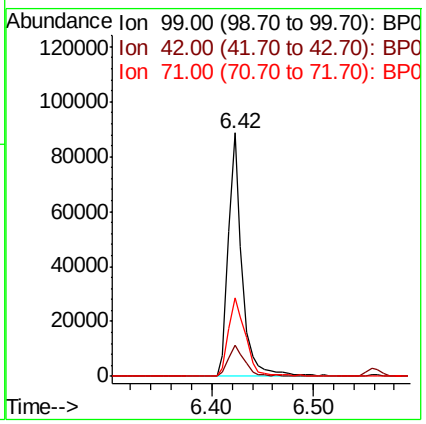




#7
Phenol-d6
Concen: 4.261 ng
RT: 6.42 min Scan# 737
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion: 99 Resp: 83123

Ion	Ratio	Lower	Upper
99	100		
42	12.6	8.5	12.7
71	32.3	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

Manual Integrations APPROVED
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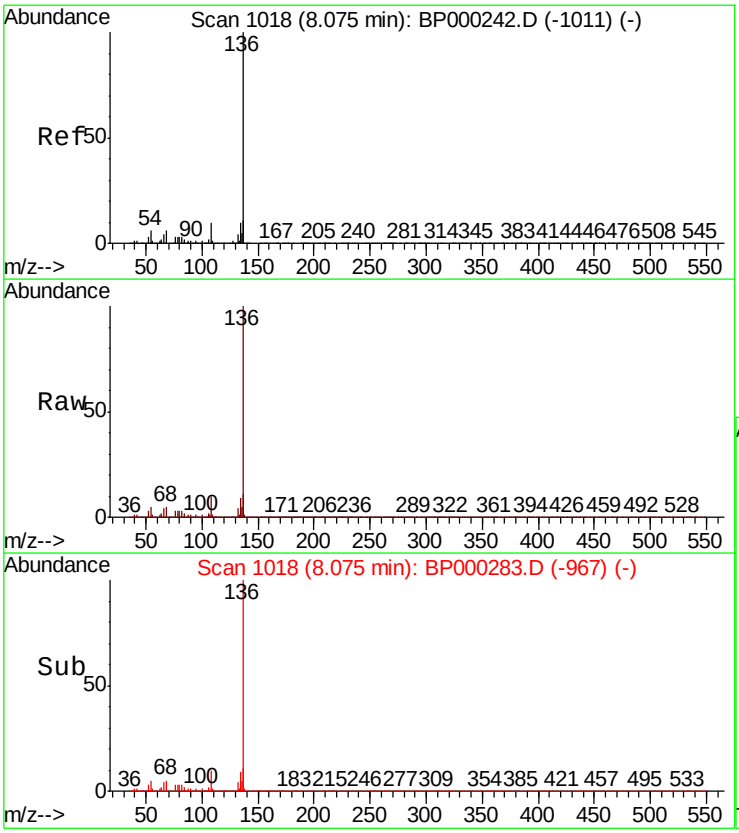
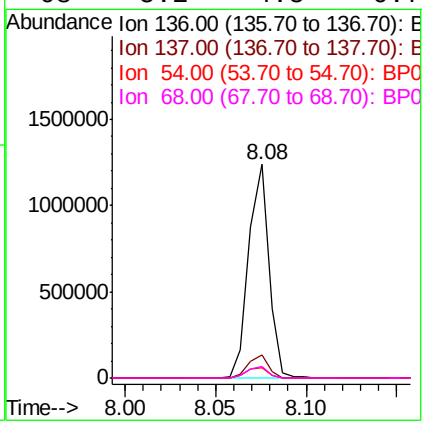
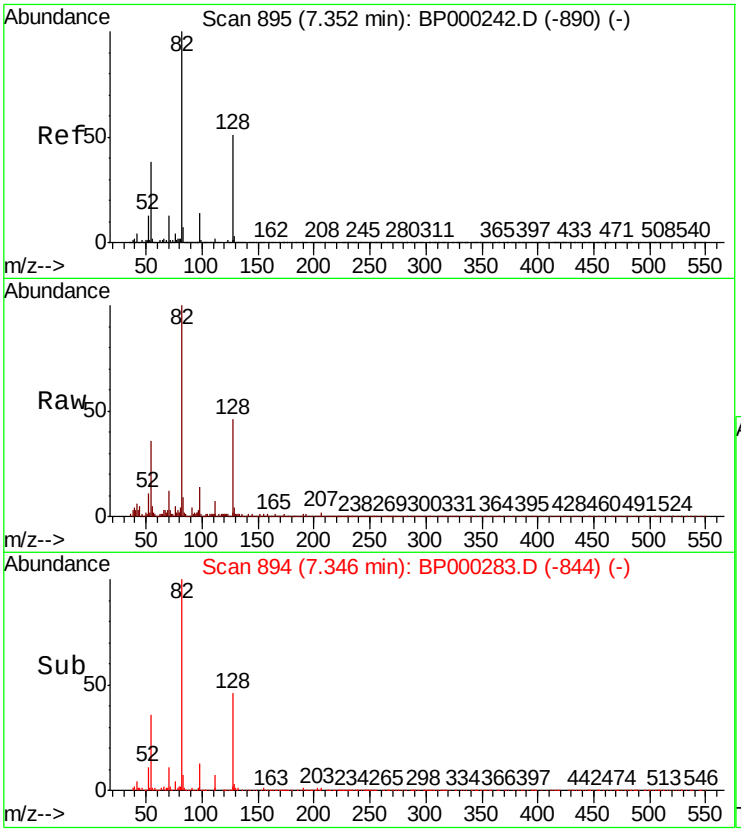


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:136 Resp: 968182

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	5.0	4.5	6.7
68	5.2	4.5	6.7

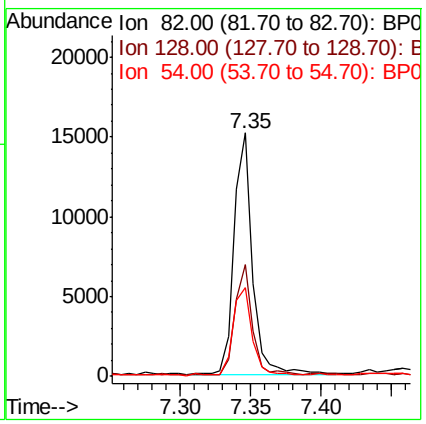




#23
Nitrobenzene-d5
Concen: 0.908 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion: 82 Resp: 13624

Ion	Ratio	Lower	Upper
82	100		
128	46.0	40.7	61.1
54	36.4	30.1	45.1



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

Manual Integrations APPROVED
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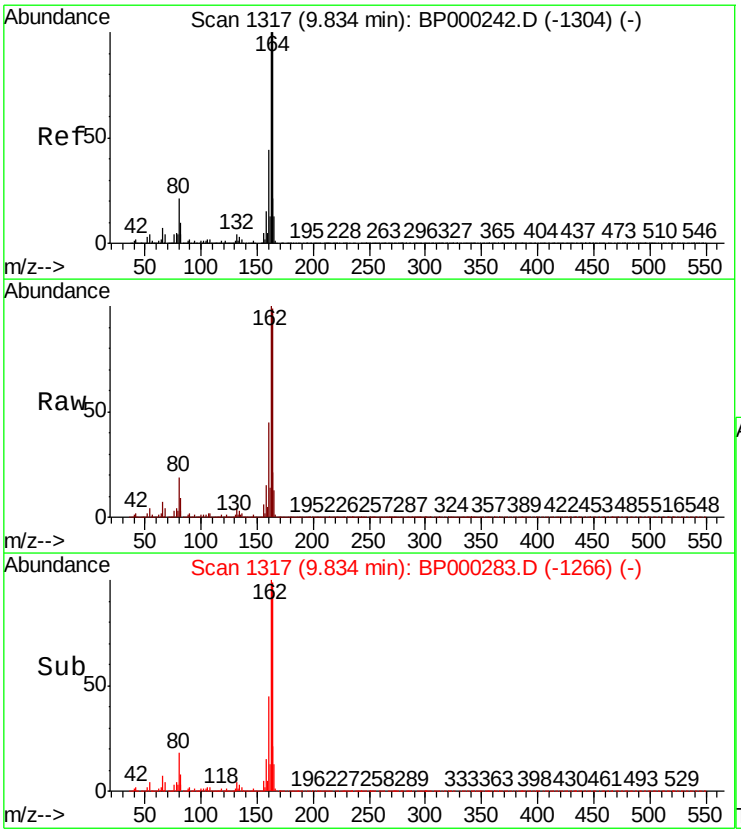
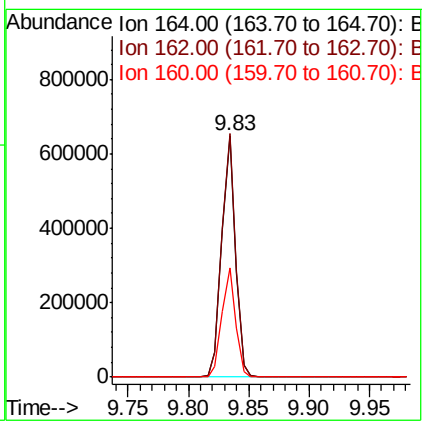
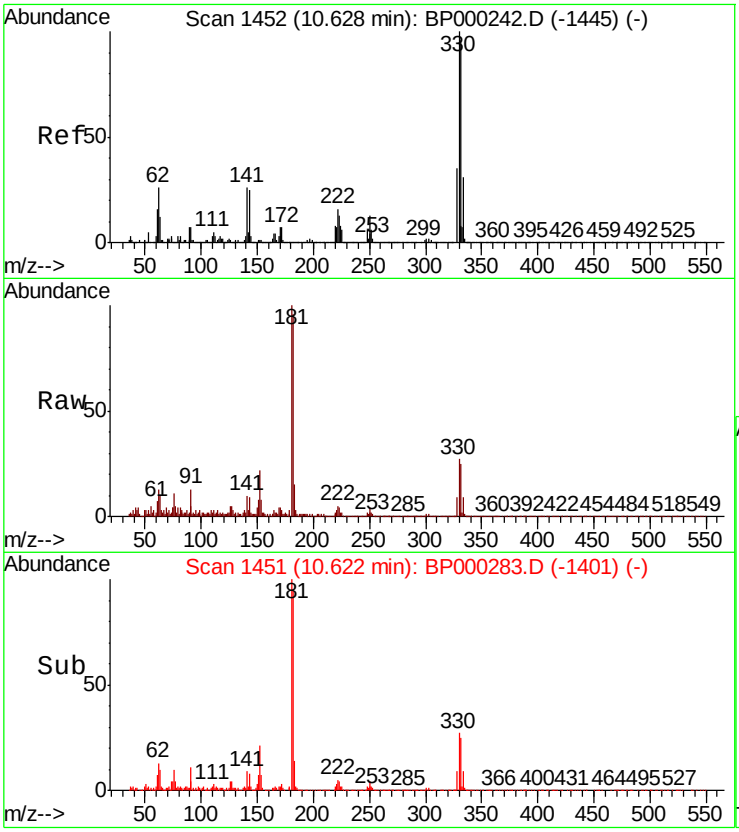


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:164 Resp: 507537

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.9	119.9
160	45.1	35.6	53.4

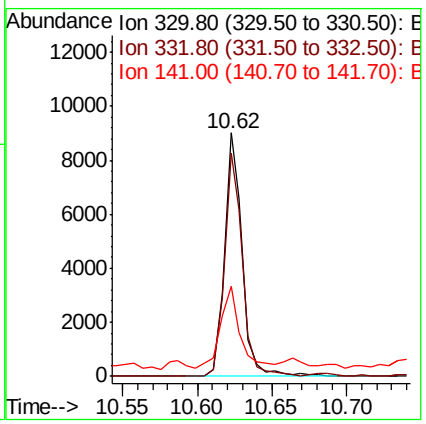




#42
2,4,6-Tribromophenol
Concen: 1.504 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:330 Resp: 7569

Ion	Ratio	Lower	Upper
330	100		
332	93.0	76.6	115.0
141	37.2	26.5	39.7



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

Manual Integrations APPROVED
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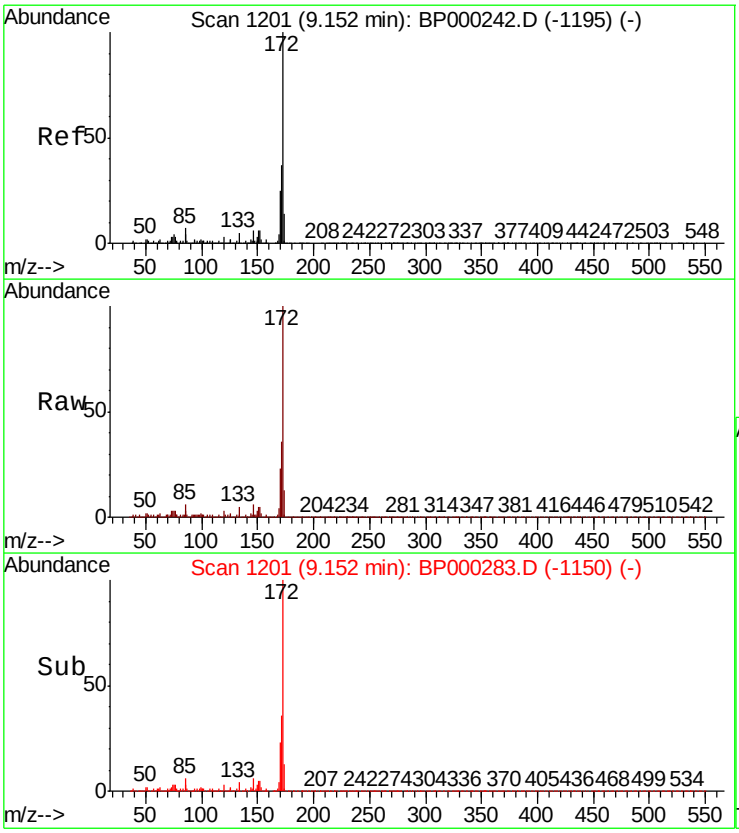
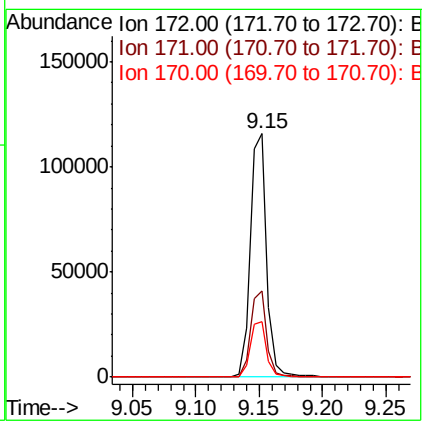
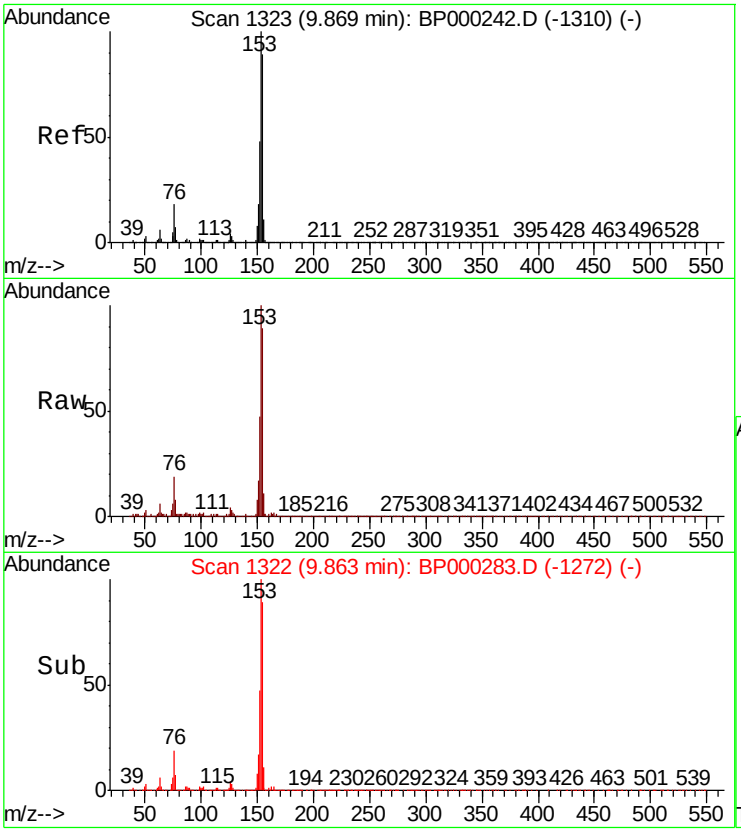


#45
2-Fluorobiphenyl
Concen: 3.684 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:172 Resp: 103896

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.8	44.6
170	22.8	19.8	29.6

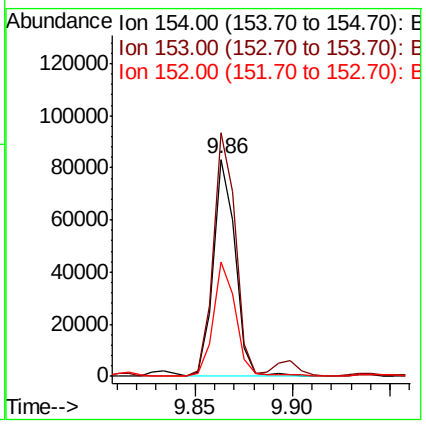




#52
Acenaphthene
Concen: 2.320 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:154 Resp: 64815

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	52.5	43.4	65.0



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

Manual Integrations APPROVED
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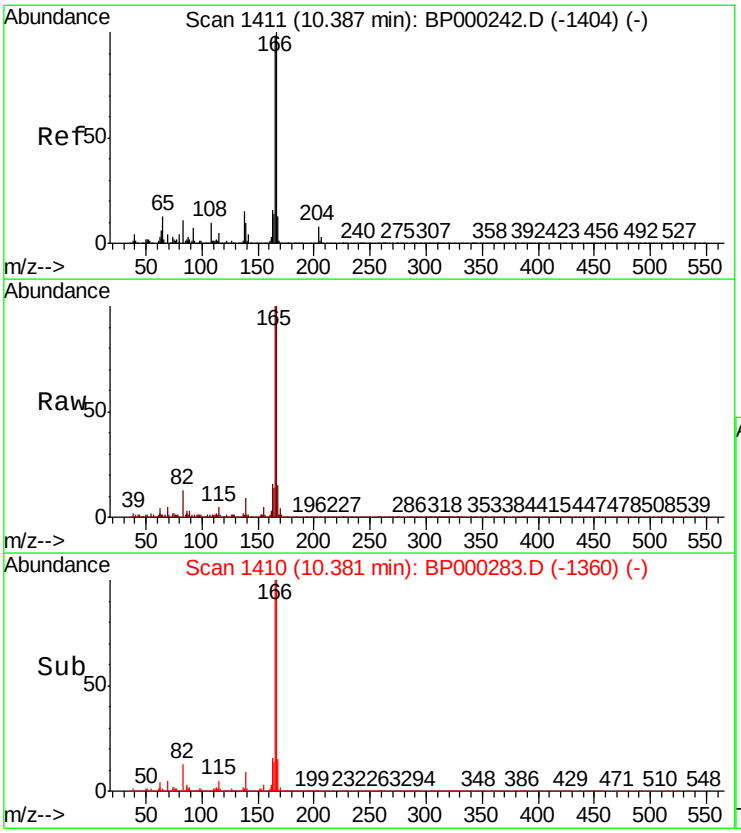
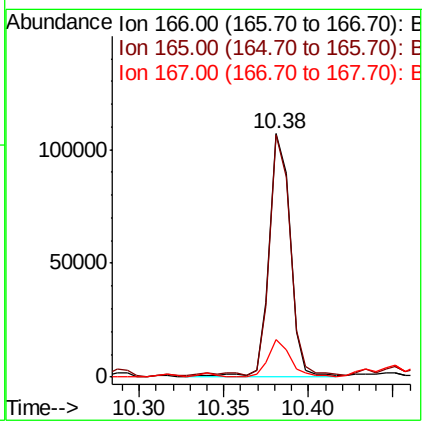
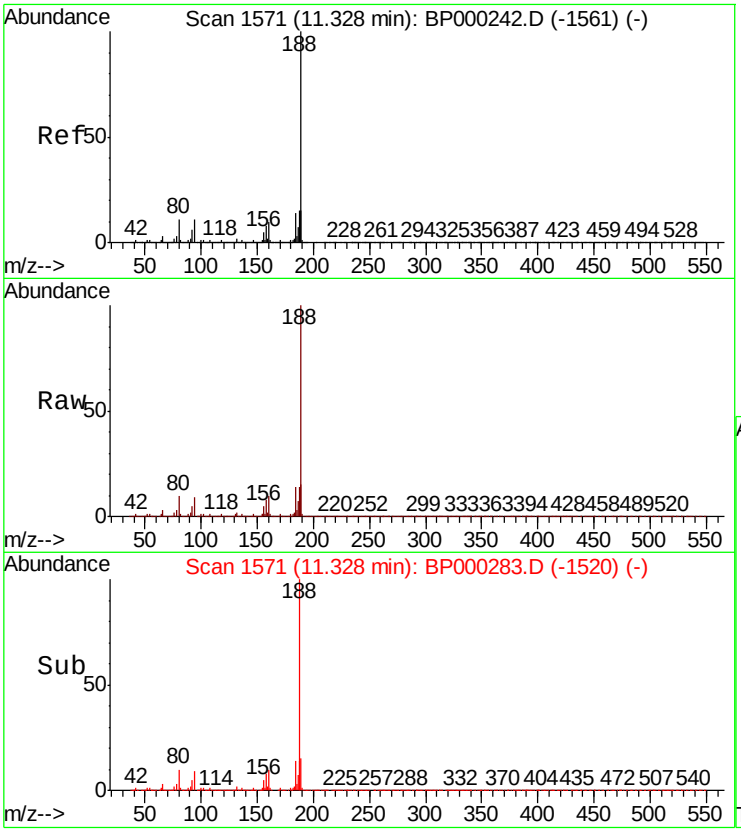


#58
Fluorene
Concen: 3.022 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:166 Resp: 92177

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.2	117.2
167	15.2	10.7	16.1

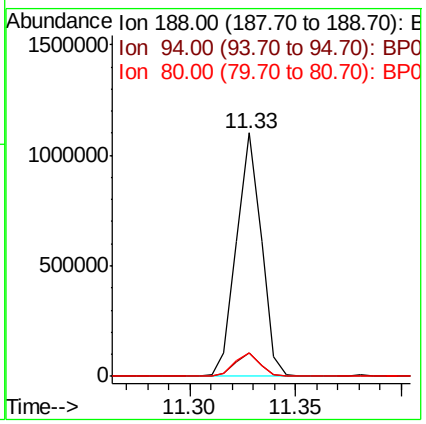




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:188 Resp: 895293

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.9	8.6	13.0



Instrument :
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ClientSampleId :
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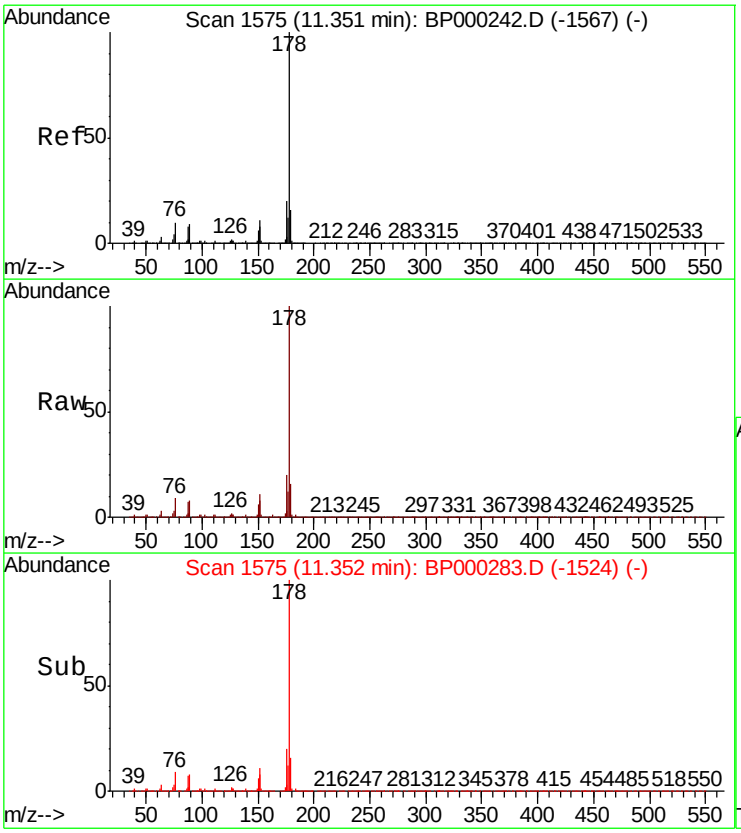
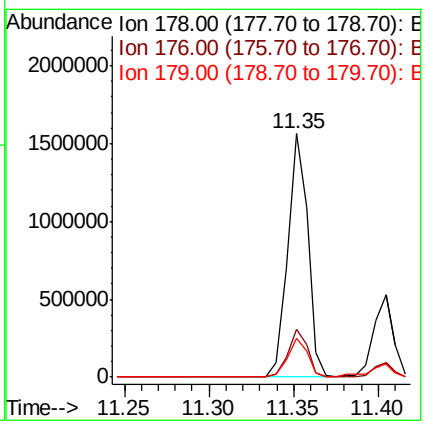
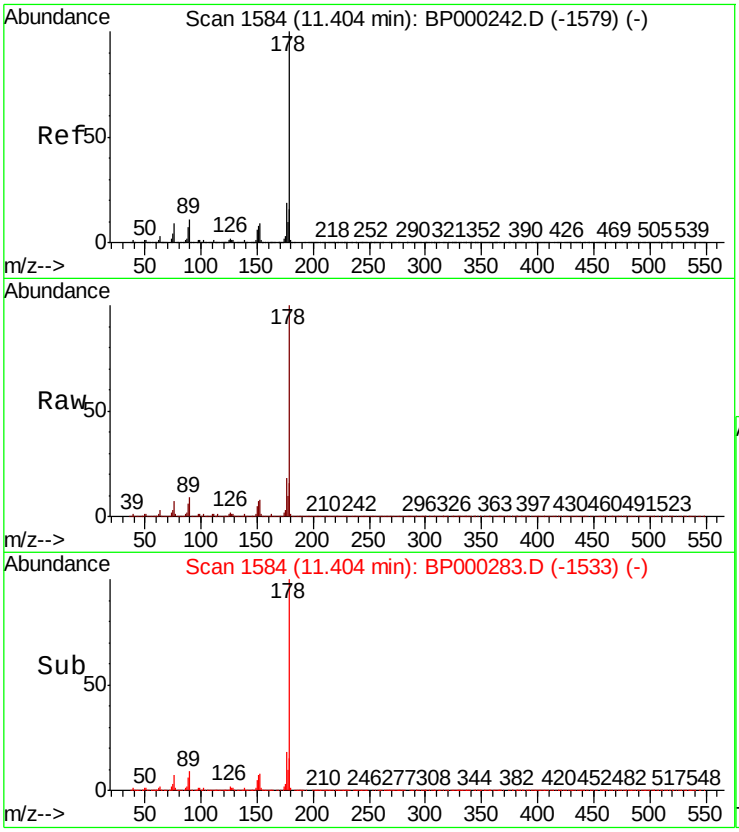


#71
Phenanthrene
Concen: 28.457 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:178 Resp: 1276751

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.8	12.7	19.1

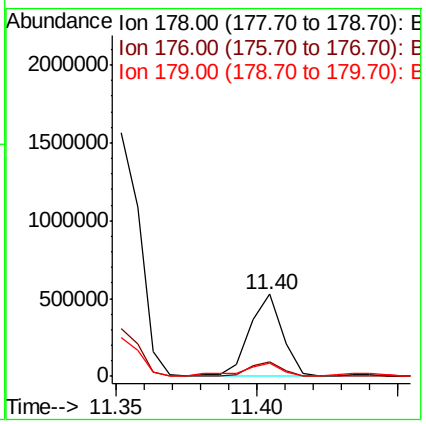




#72
Anthracene
Concen: 9.140 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:178 Resp: 422095

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.6	12.7	19.1



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

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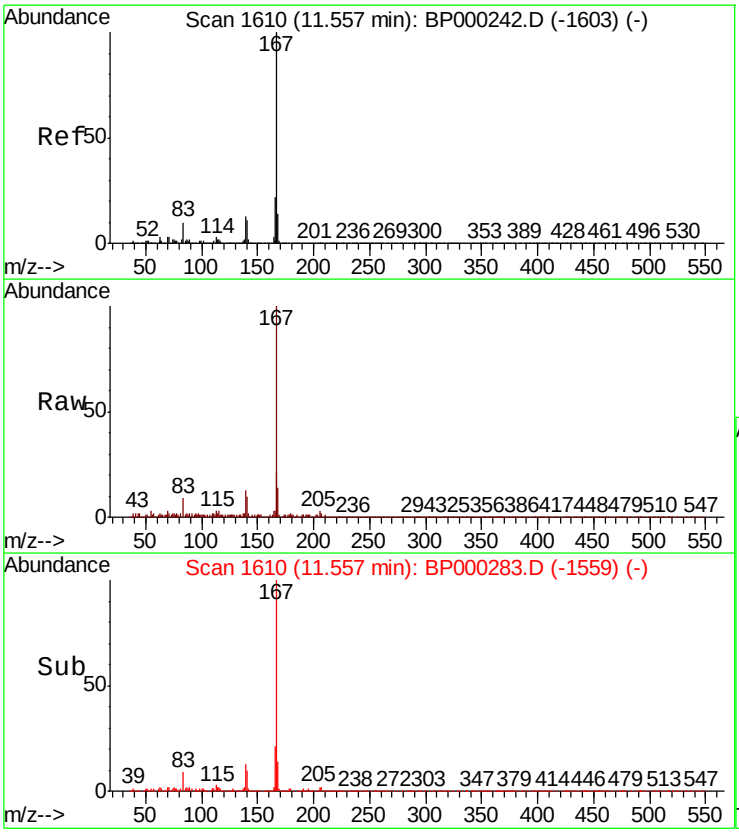
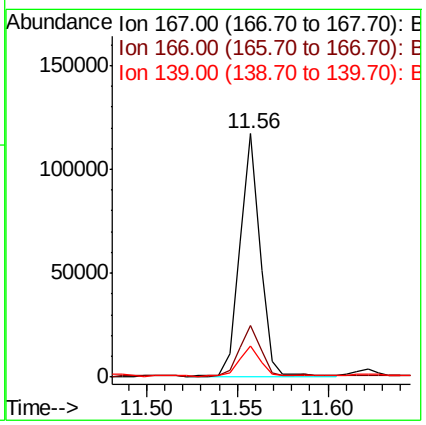
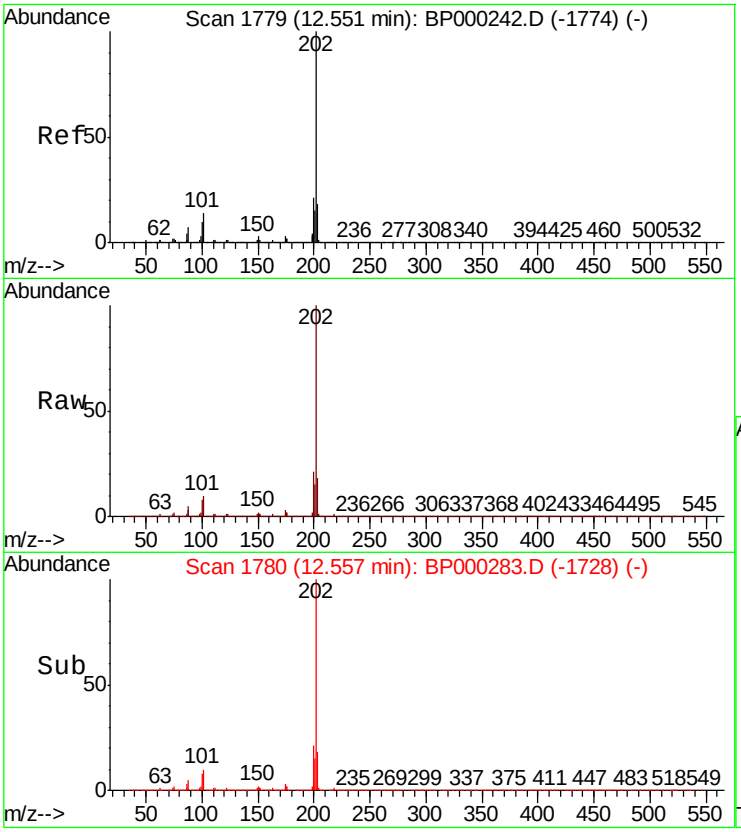


#73
Carbazole
Concen: 2.161 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:167 Resp: 89877

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.8
139	12.9	10.8	16.2





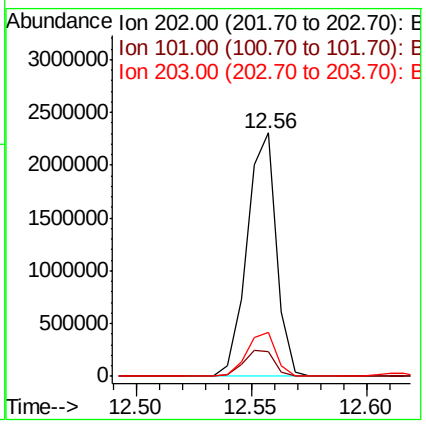
#75
Fluoranthene
Concen: 42.444 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

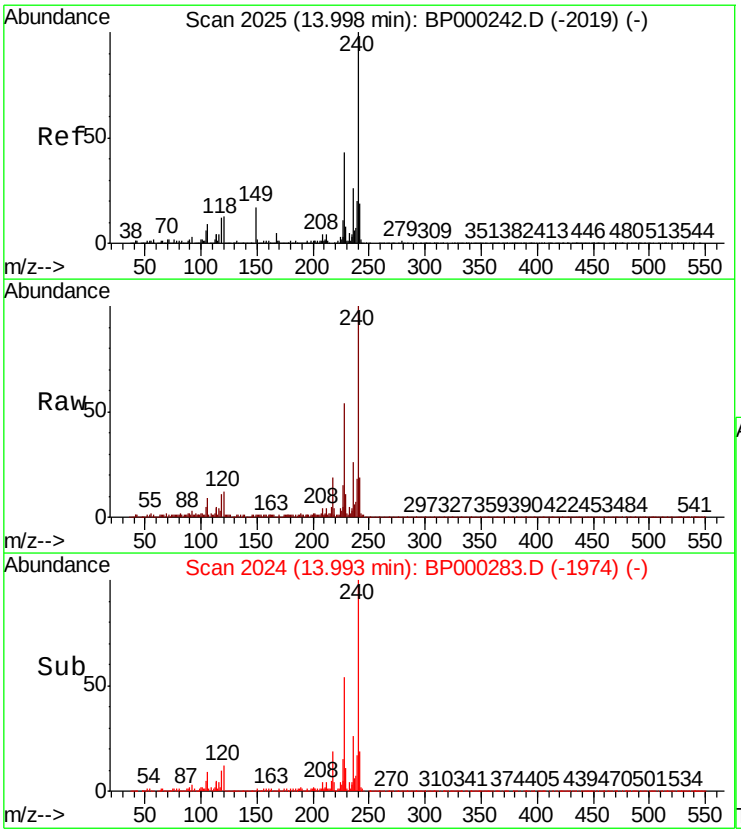
Tgt Ion:202 Resp: 2044794

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.9
203	17.8	0.0	38.0

Instrument :
BNA_P
ClientSampleId :
CSA-2-8

Manual Integrations APPROVED
mohammad
9/19/2019 4:46:34 PM

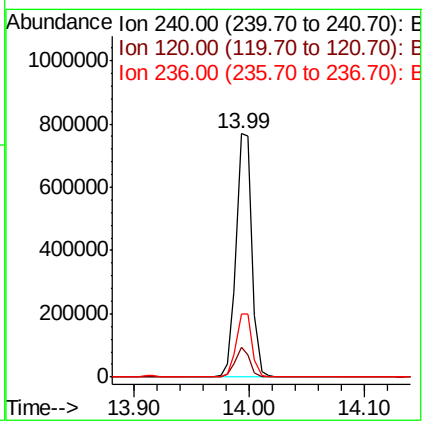


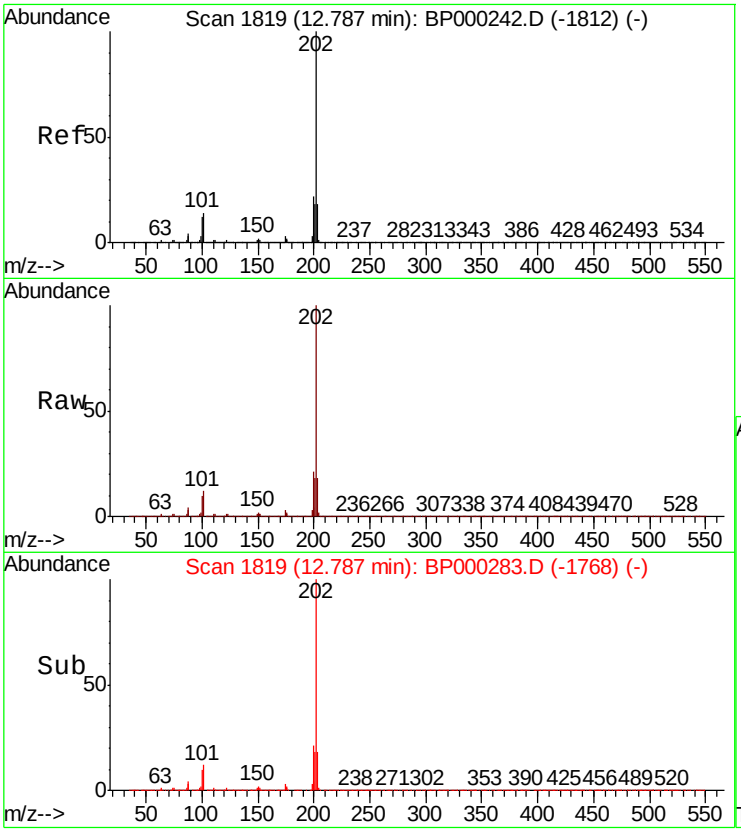


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:240 Resp: 727191

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.4	15.6
236	26.1	21.0	31.6

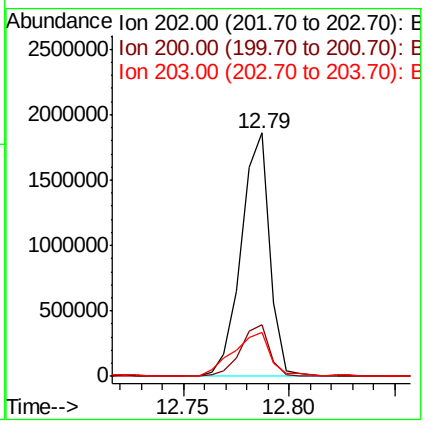




#78
Pyrene
Concen: 32.041 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:202 Resp: 1743208

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.5	26.3
203	17.9	14.3	21.5



Instrument :
BNA_P
ClientSampleId :
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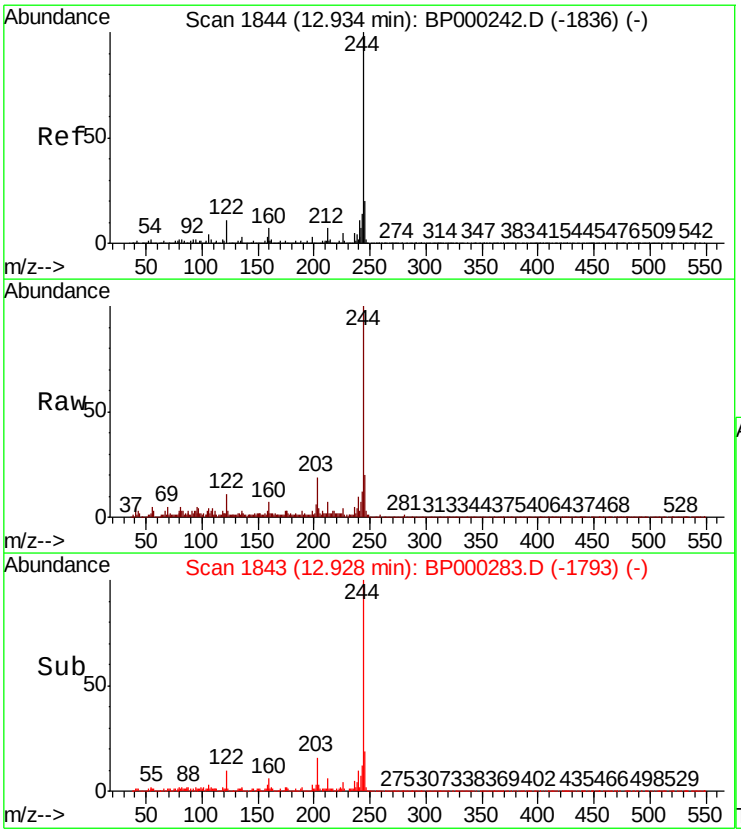
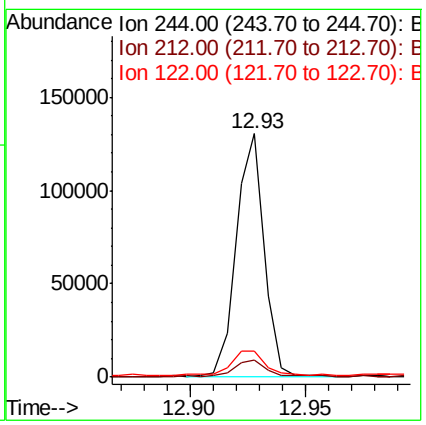
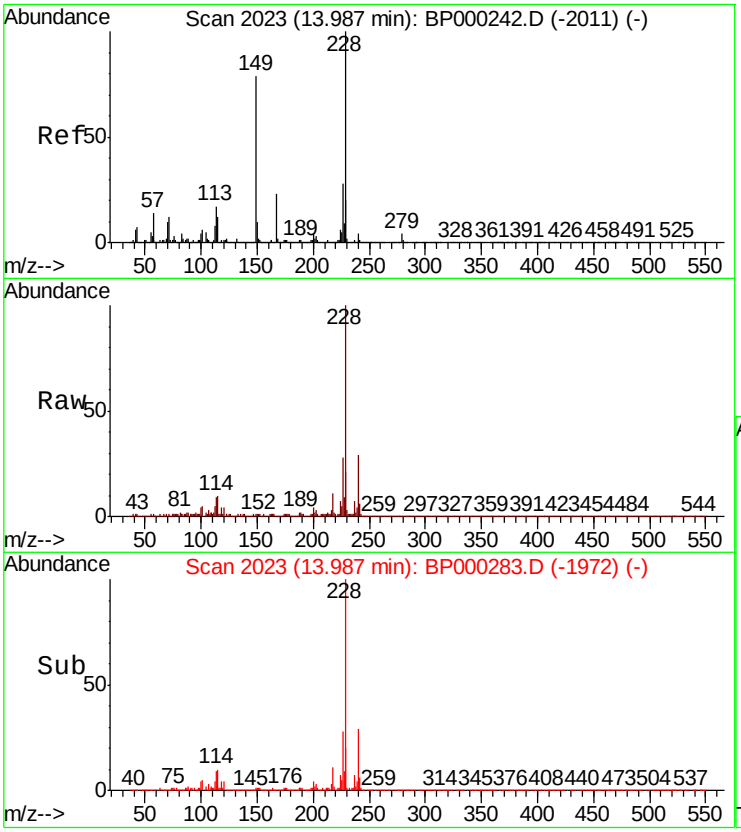


#79
Terphenyl-d14
Concen: 3.147 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:244 Resp: 109099

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	10.7	9.0	13.4

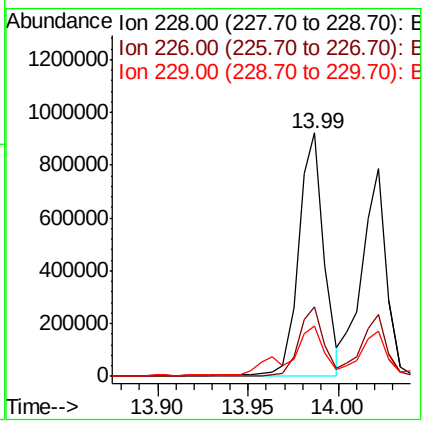




#81
Benzo(a)anthracene
Concen: 19.584 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:228 Resp: 899574

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	20.5	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
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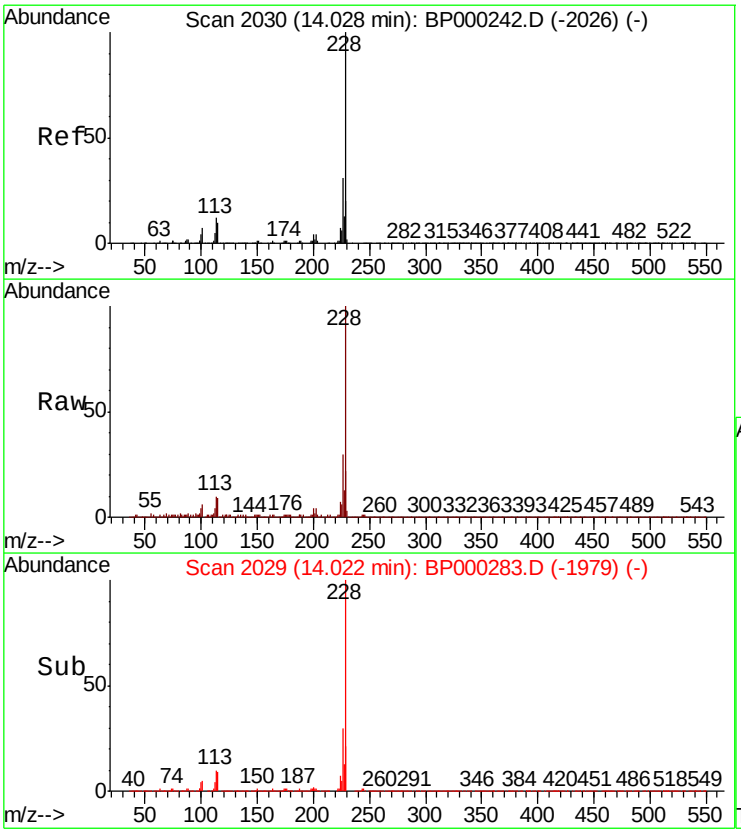
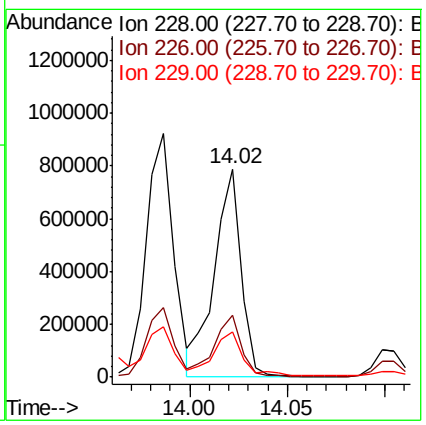
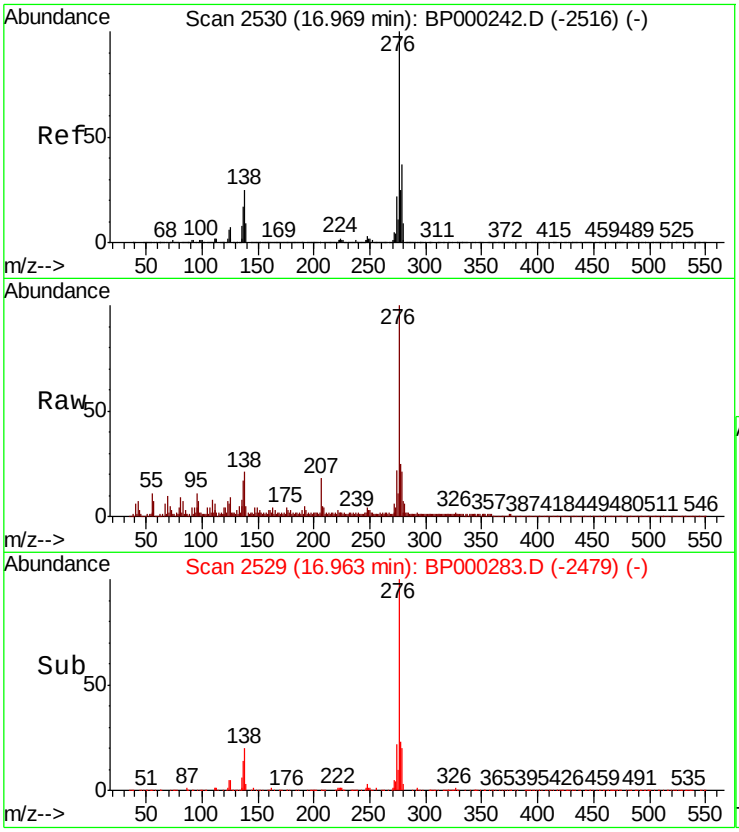


#83
Chrysene
Concen: 16.614 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:228 Resp: 749314

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	22.0	16.2	24.2

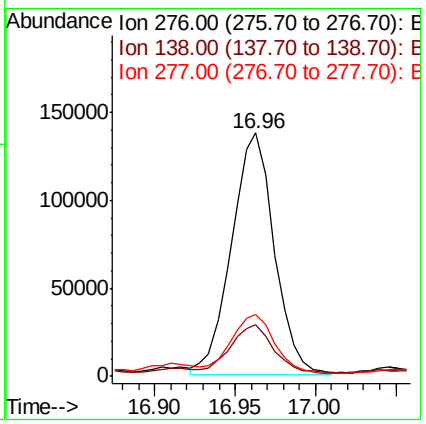




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.593 ng m
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:276 Resp: 252517

Ion	Ratio	Lower	Upper
276	100		
138	4.6	22.6	33.8#
277	4.9	20.4	30.6#



Instrument :
BNA_P
ClientSampleId :
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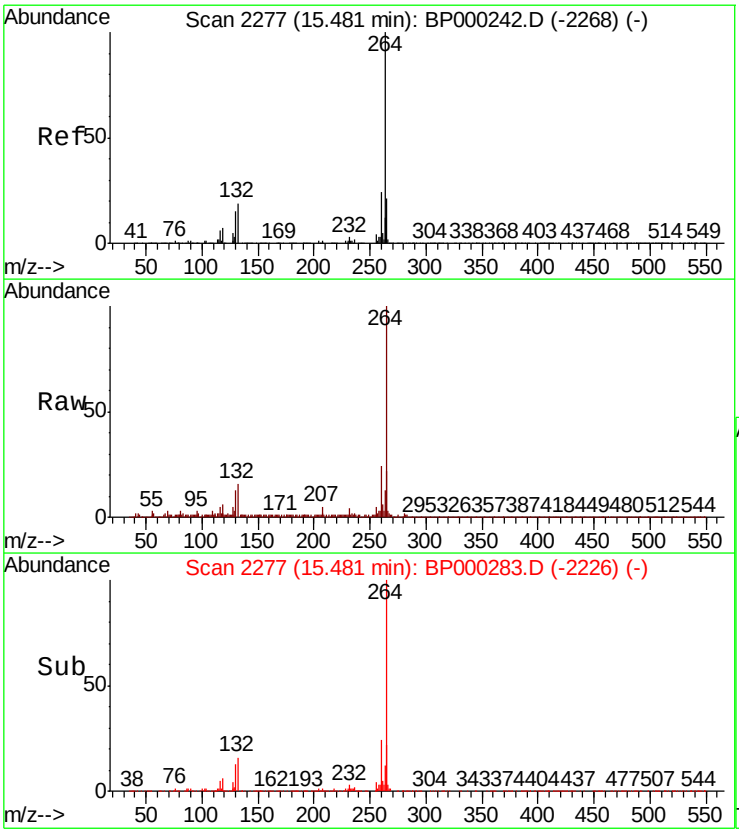
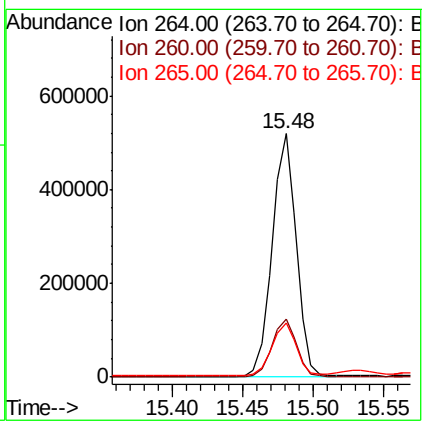
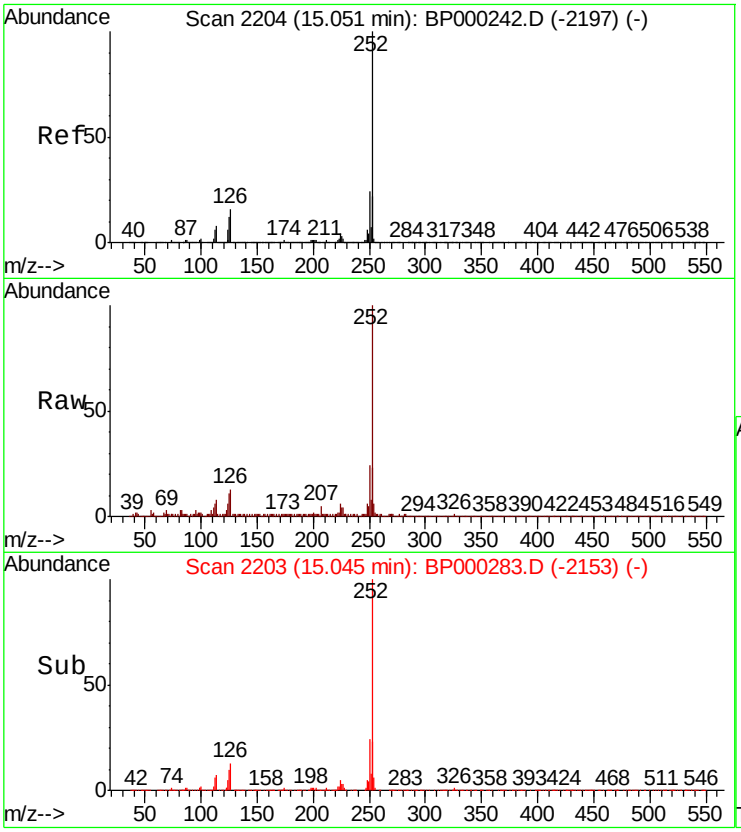


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:264 Resp: 617065

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.3	17.2	25.8

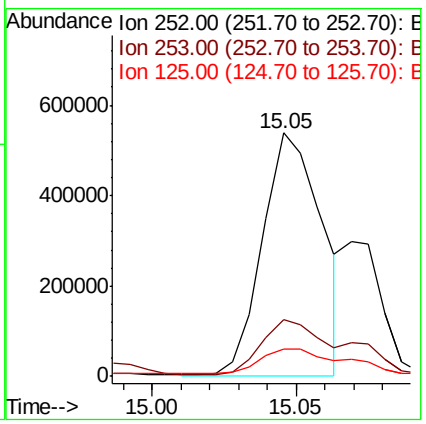




#88
Benzo(b)fluoranthene
Concen: 21.117 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:252 Resp: 777368

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.2	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
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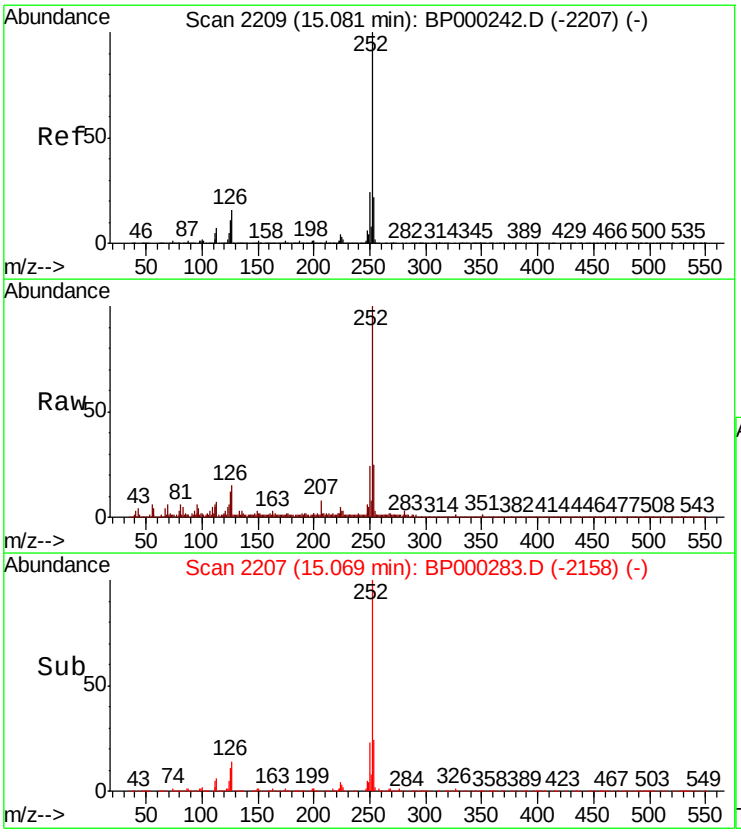
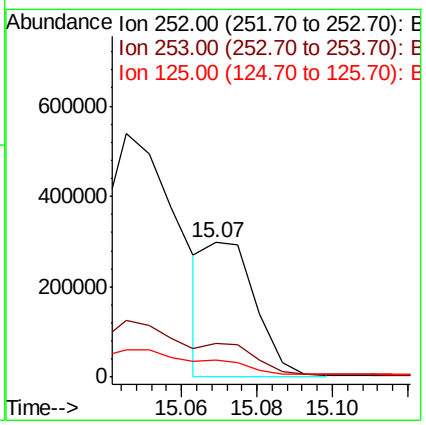
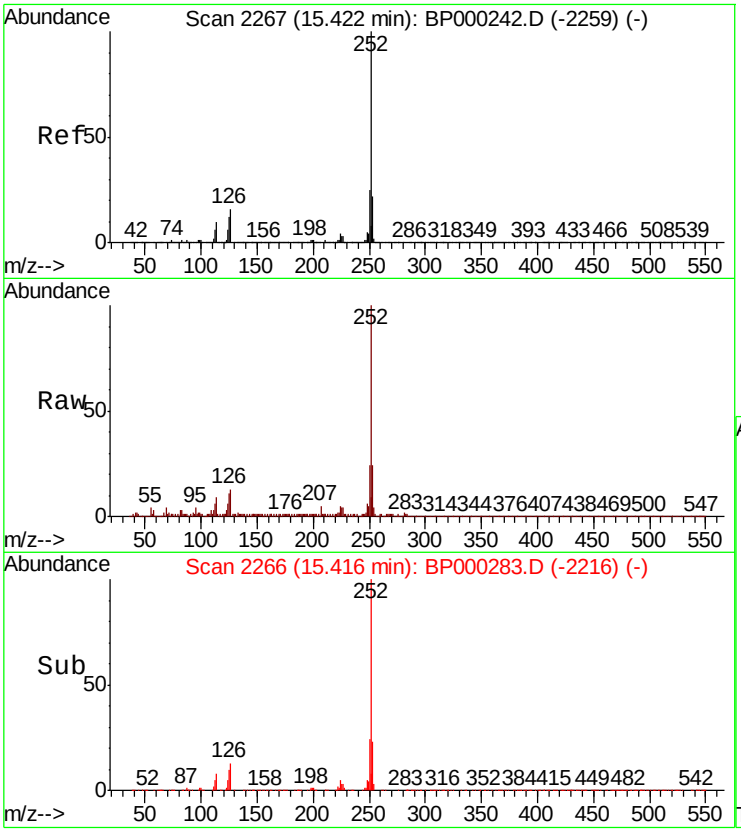


#89
Benzo(k)fluoranthene
Concen: 8.540 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:252 Resp: 274223

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	12.3	9.6	14.4

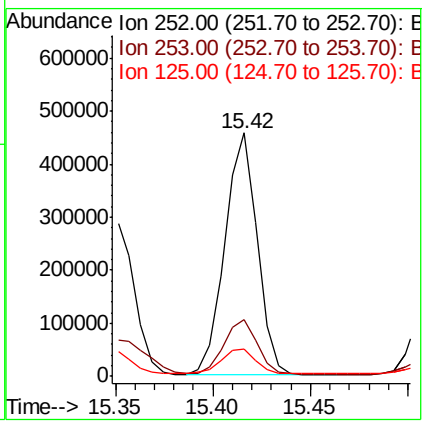




#90
Benzo(a)pyrene
Concen: 15.687 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:252 Resp: 525452

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	11.0	10.0	15.0



Instrument :
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ClientSampleId :
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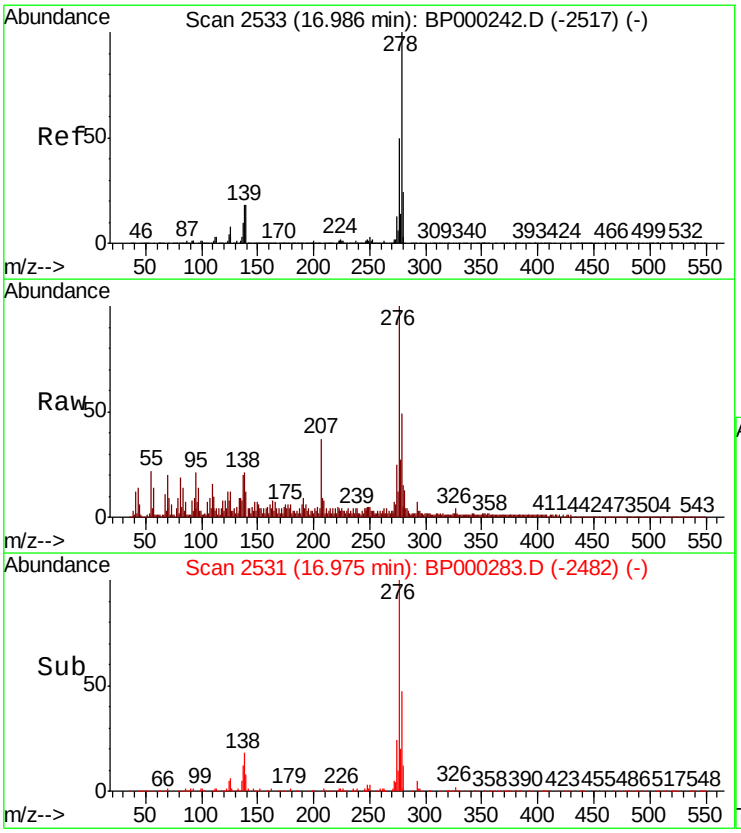
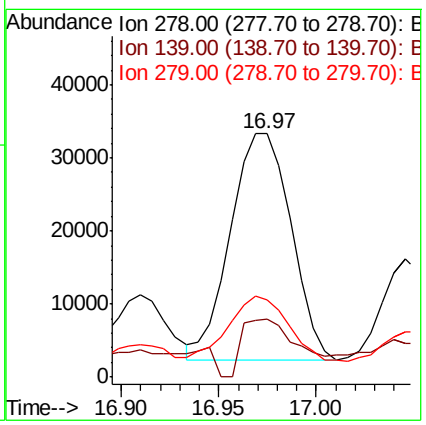
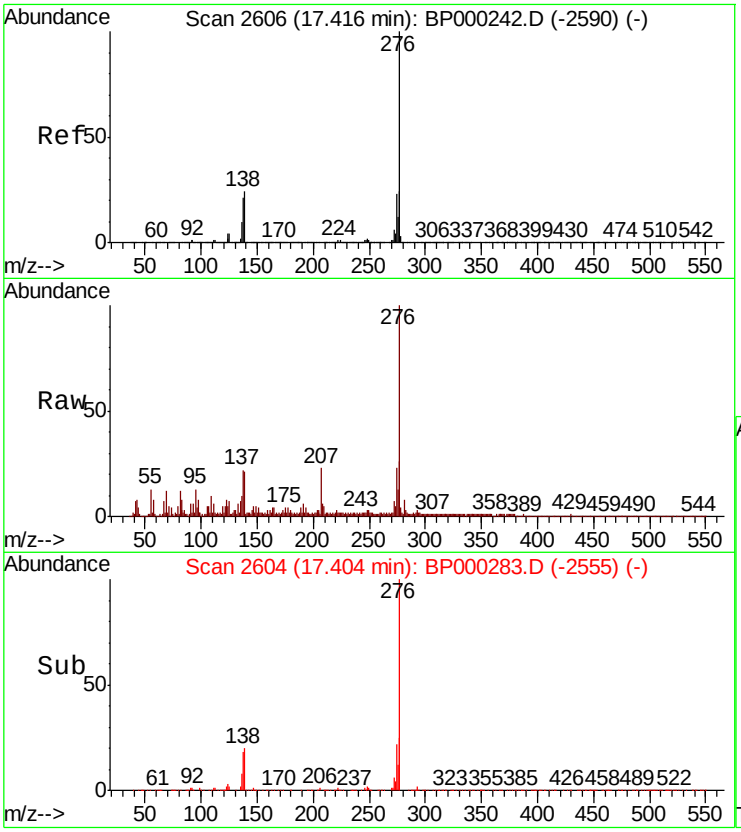


#91
Dibenzo(a,h)anthracene
Concen: 2.137 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:278 Resp: 66734

Ion	Ratio	Lower	Upper
278	100		
139	24.0	14.5	21.7#
279	31.7	19.0	28.6#

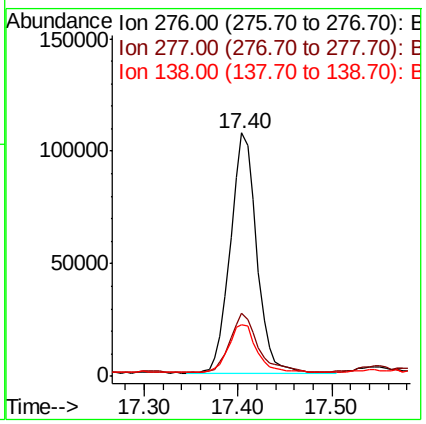




#92
Benzo(g,h,i)perylene
Concen: 6.545 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BP000283.D
Acq: 17 Sep 2019 19:26

Tgt Ion:276 Resp: 210107

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.1	28.7
138	21.4	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
CSA-2-8

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