Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000119.D
Acq On : 09 Sep 2019 03:35
Operator : HP/JU
Sample : K4658-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : HR-06-090619

Manual Integrations APPROVED
mohammad
9/10/2019 2:51:50 PM

Quant Time: Sep 09 08:09:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 17:47:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	449790	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1650819	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	895415	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	1616248	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1307738	20.00	ng	-0.01
87) Perylene-d12	15.62	264	1365380	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1301823	46.15	ng	0.00
7) Phenol-d6	6.50	99	1723774	48.41	ng	-0.01
23) Nitrobenzene-d5	7.45	82	907964	33.75	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	391465	51.87	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1935684	36.10	ng	0.00
79) Terphenyl-d14	13.03	244	2181459	36.36	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.65	163	180639	2.960	ng	# 97
71) Phenanthrene	11.46	178	640032	7.945	ng	97
72) Anthracene	11.50	178	170725	2.145	ng	98
75) Fluoranthene	12.66	202	733472	8.379	ng	93
78) Pyrene	12.89	202	870457	9.048	ng	95
81) Benzo(a)anthracene	14.09	228	403121	4.757	ng	98
83) Chrysene	14.12	228	350141	4.368	ng	96
88) Benzo(b)fluoranthene	15.17	252	369220m	4.427	ng	
90) Benzo(a)pyrene	15.55	252	304900	4.050	ng	97
92) Benzo(g,h,i)perylene	17.62	276	152967	2.053	ng	98

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

Quantitation Report (LSC Reviewed)

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Misc :
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Instrument :
BNA_P
ClientSampleId :
HR-06-090619

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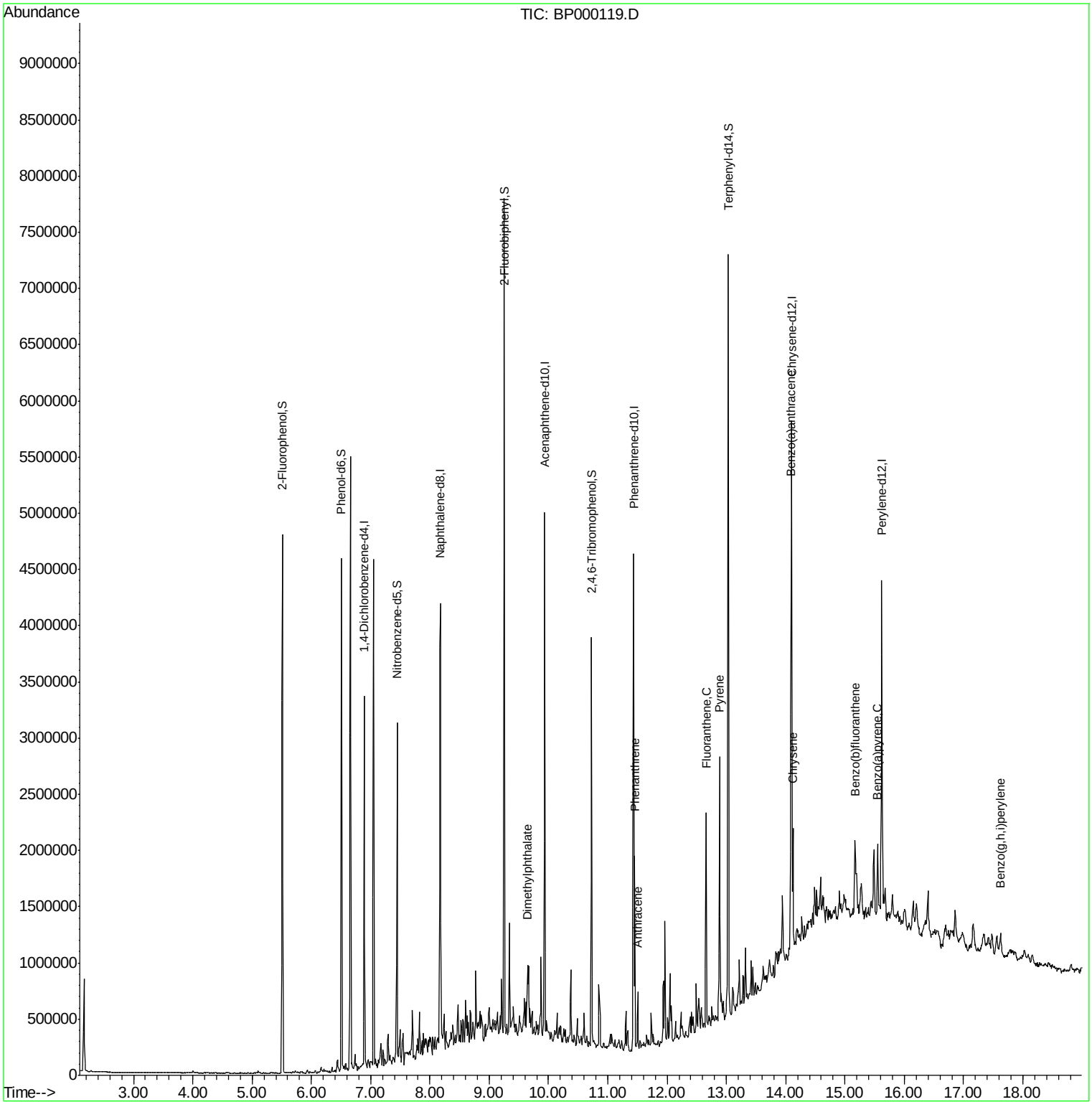
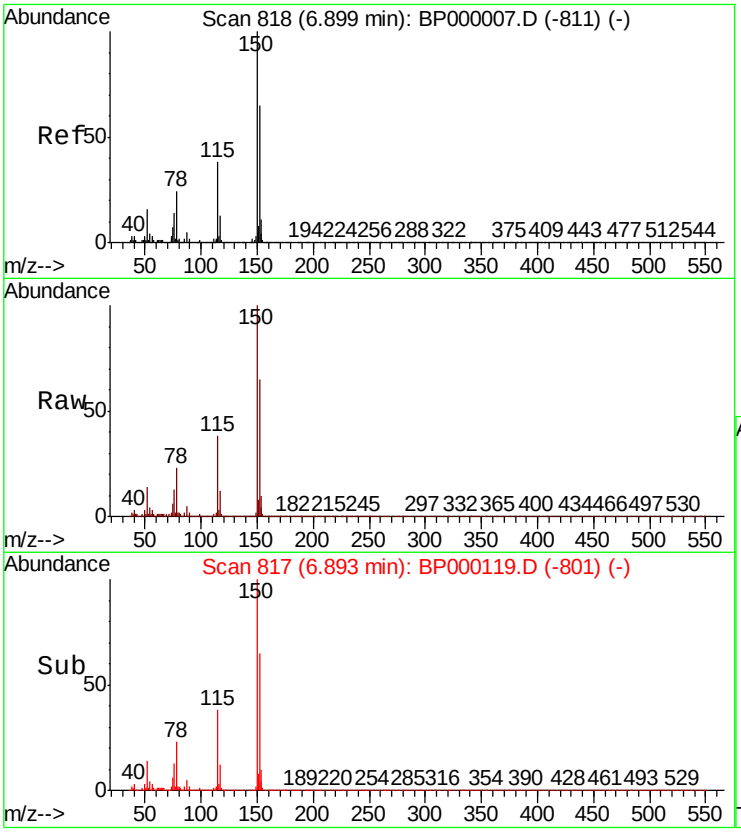
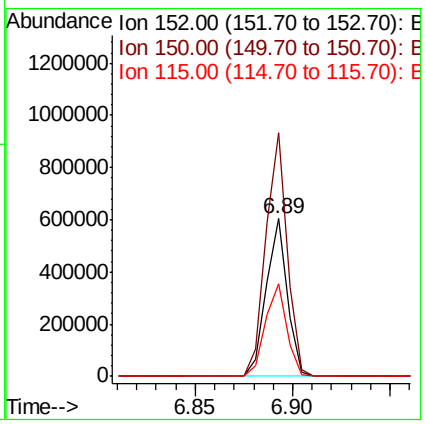




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:152 Resp: 449790

Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.6
115	58.4	46.7	70.1



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

Manual Integrations APPROVED
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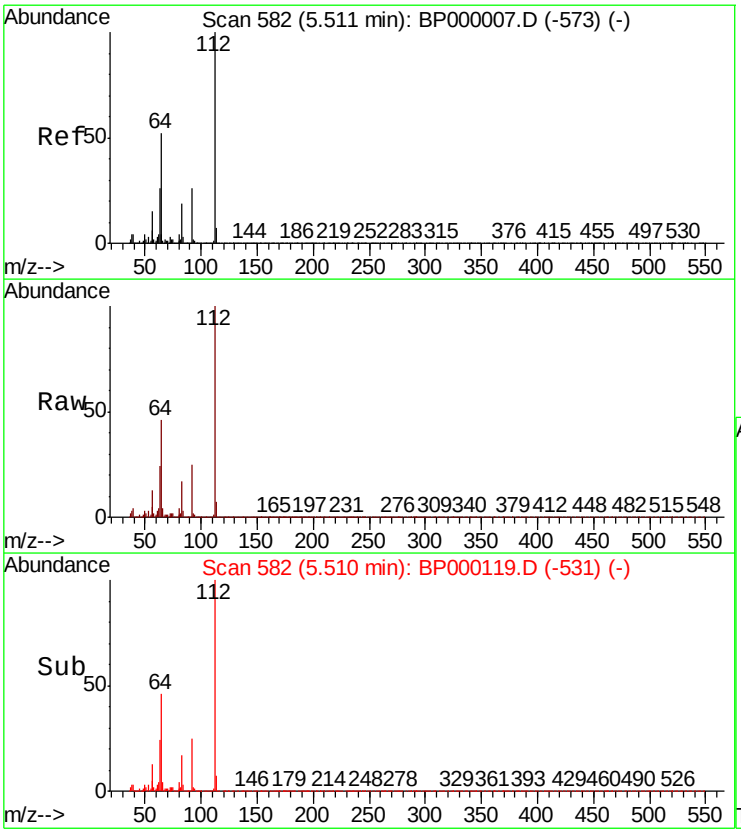
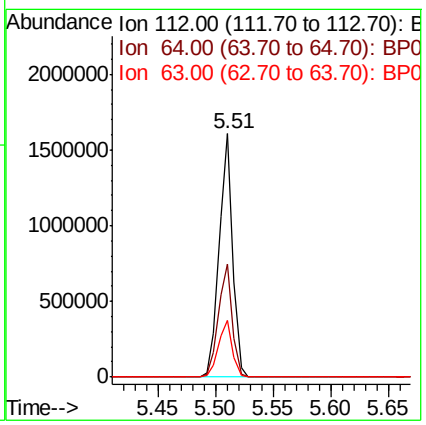
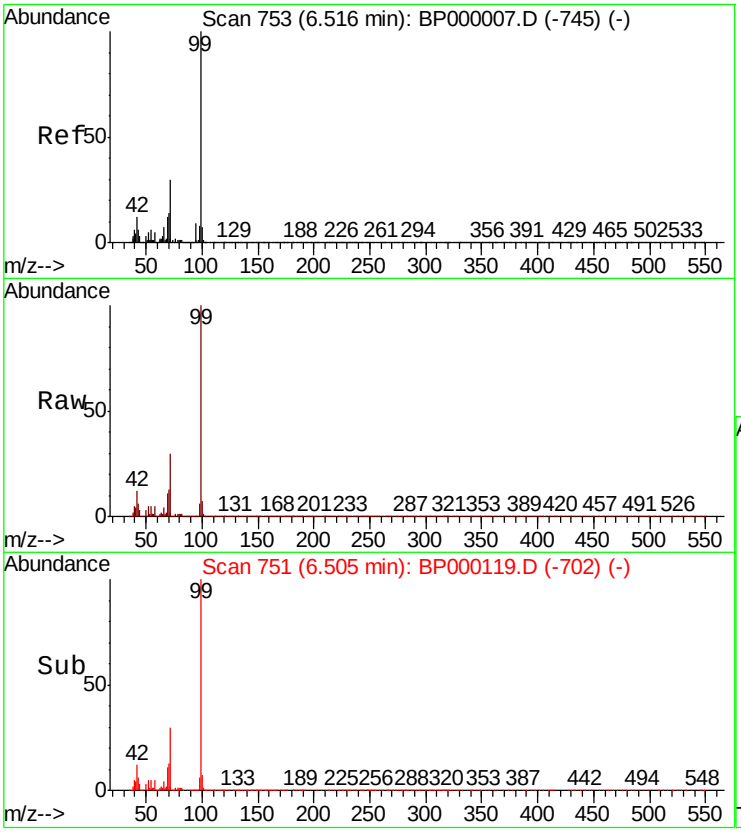


#5
2-Fluorophenol
Concen: 46.153 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.00 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:112 Resp: 1301823

Ion	Ratio	Lower	Upper
112	100		
64	46.3	41.8	62.8
63	23.5	21.0	31.4

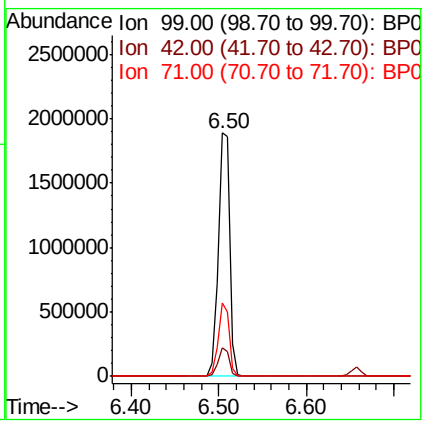




#7
Phenol-d6
Concen: 48.409 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion: 99 Resp: 1723774

Ion	Ratio	Lower	Upper
99	100		
42	11.8	9.8	14.8
71	29.9	23.8	35.8



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

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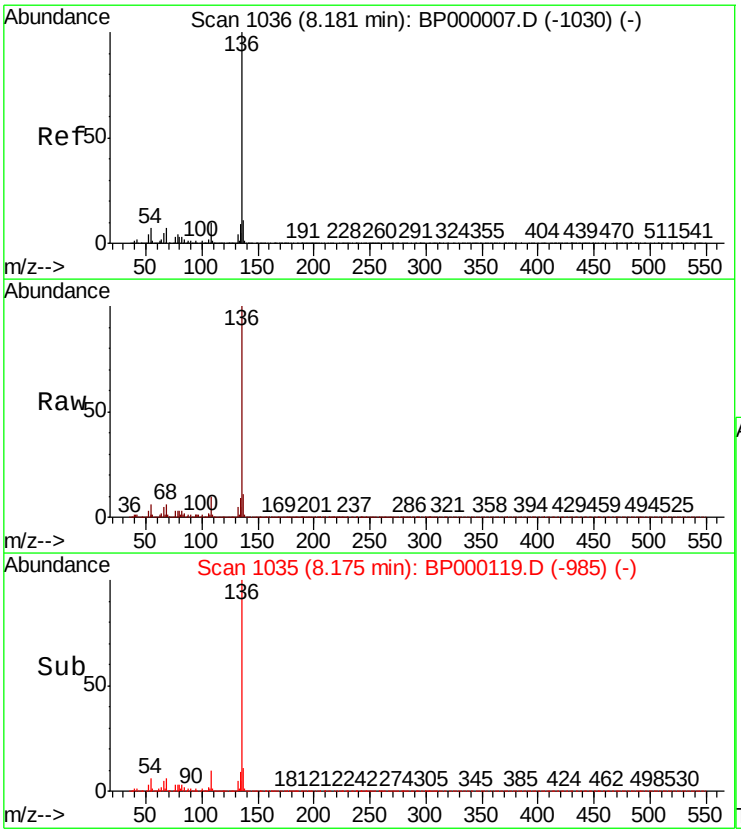
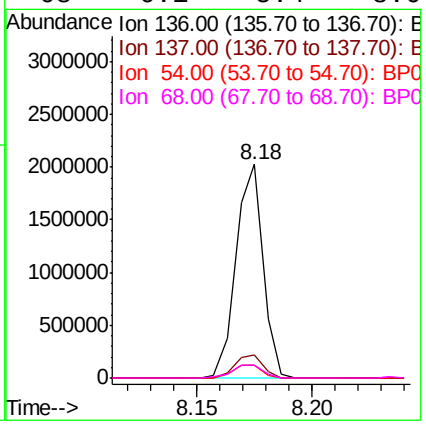
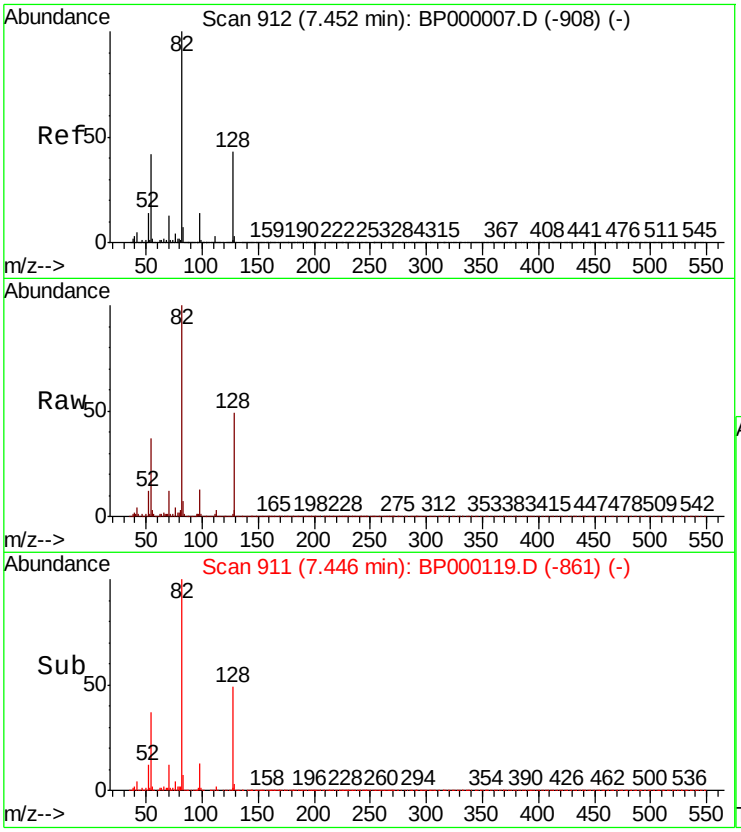


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:136 Resp: 1650819

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.9	5.4	8.2
68	6.1	5.4	8.0

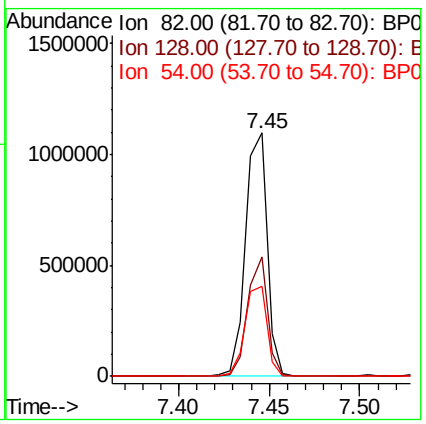




#23
Nitrobenzene-d5
Concen: 33.748 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion: 82 Resp: 907964

Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.5	51.7
54	36.8	33.2	49.8



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

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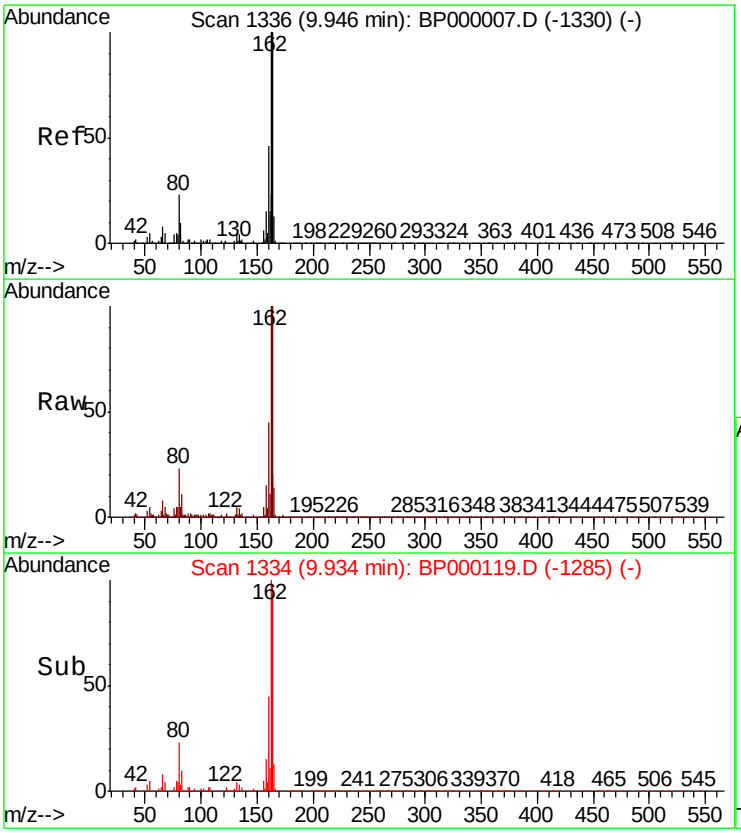
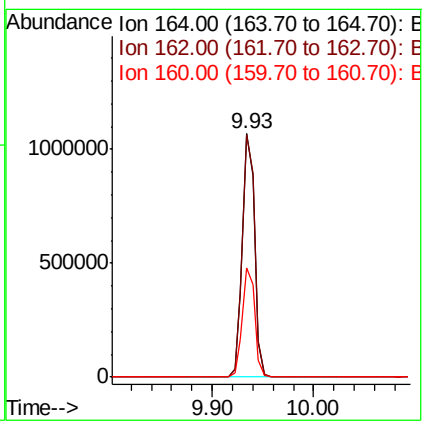
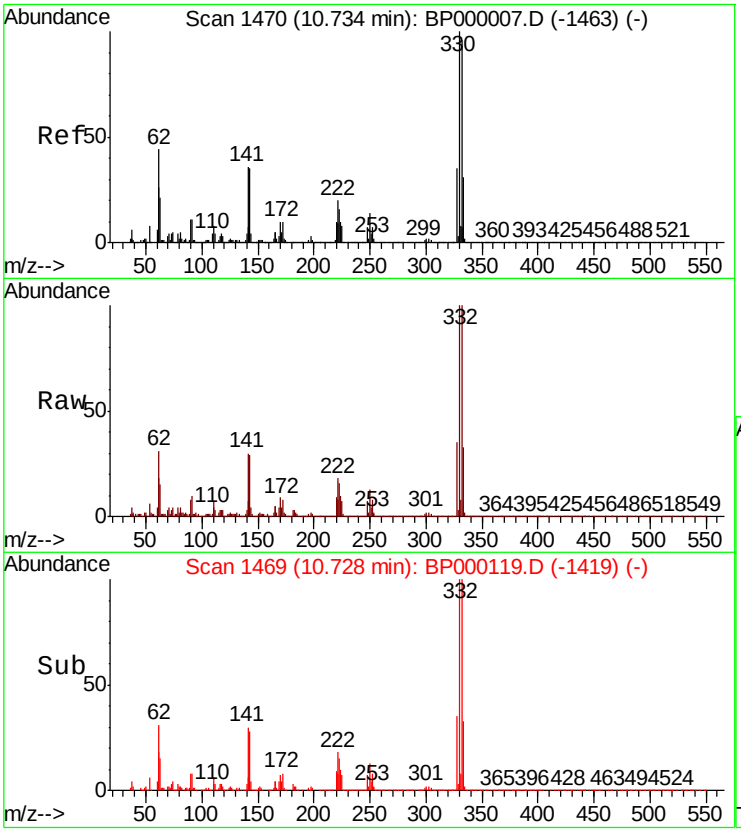


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:164 Resp: 895415

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.2	120.4
160	44.8	36.6	55.0

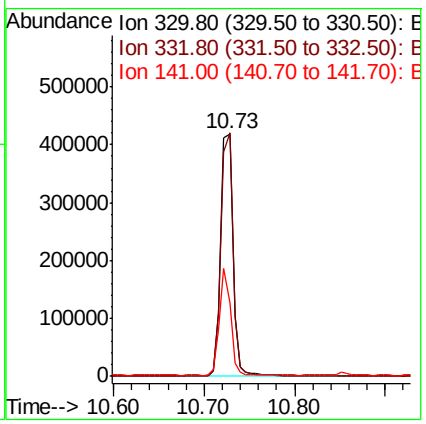




#42
2,4,6-Tribromophenol
Concen: 51.867 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:330 Resp: 391465

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	39.1	33.6	50.4



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

Manual Integrations APPROVED
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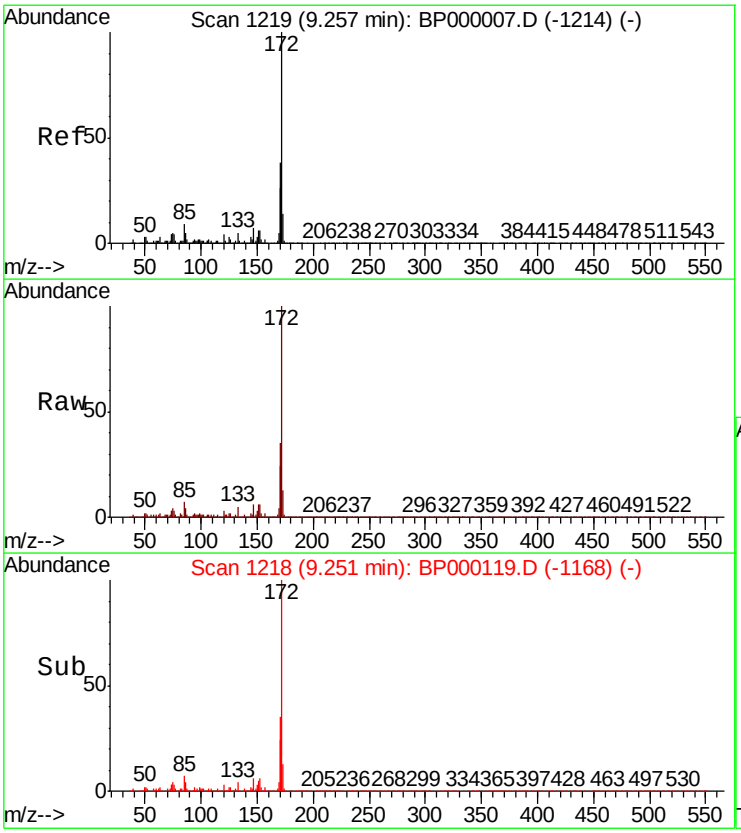
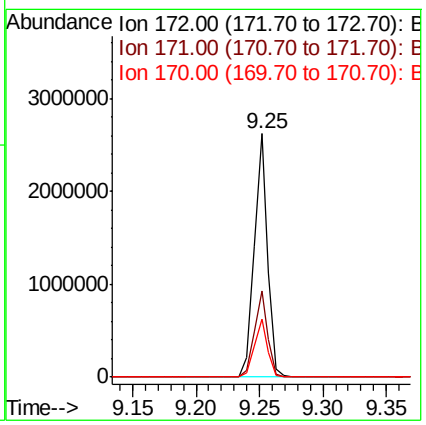
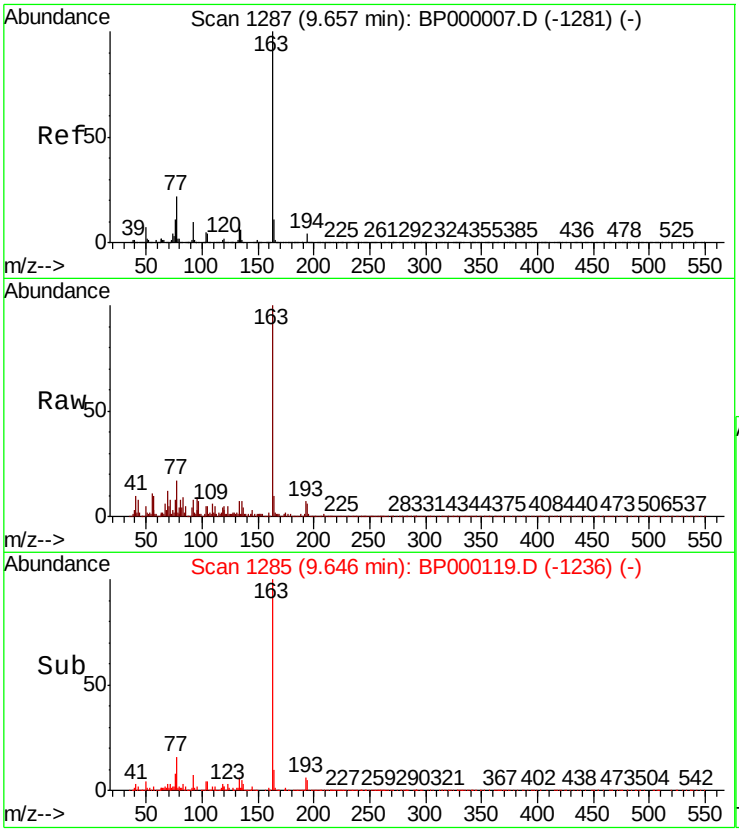


#45
2-Fluorobiphenyl
Concen: 36.102 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:172 Resp: 1935684

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.7	46.1
170	23.6	20.7	31.1

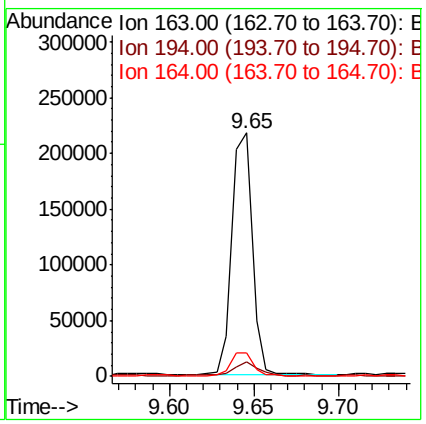




#50
Dimethylphthalate
Concen: 2.960 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:163 Resp: 180639

Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.3	4.9#
164	9.8	8.4	12.6



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

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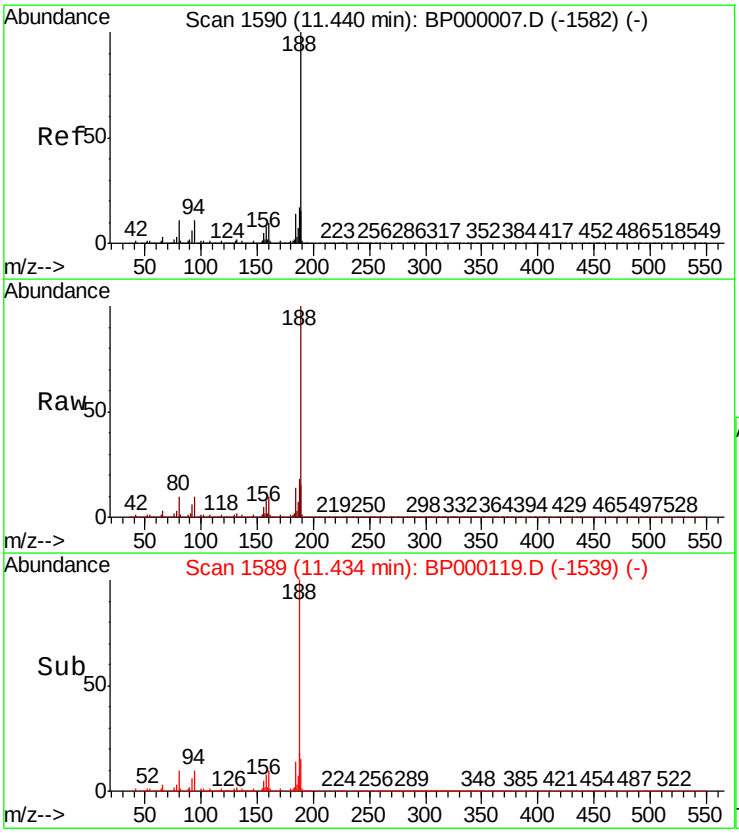
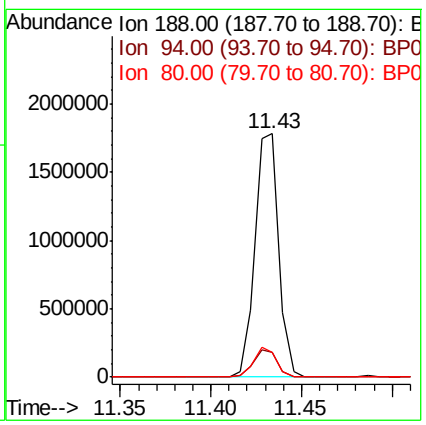
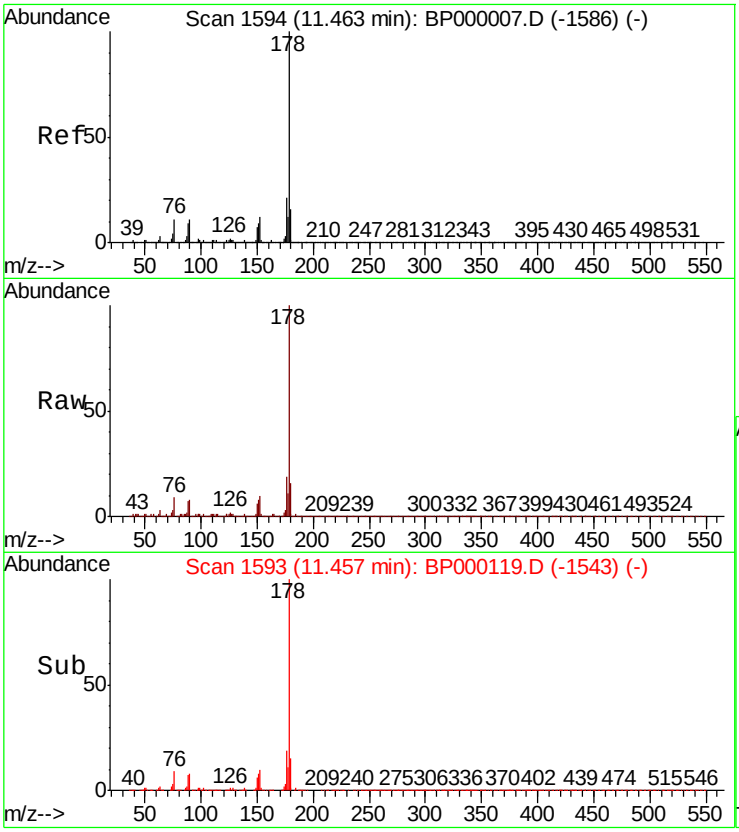


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:188 Resp: 1616248

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.8	13.2
80	10.2	9.0	13.6

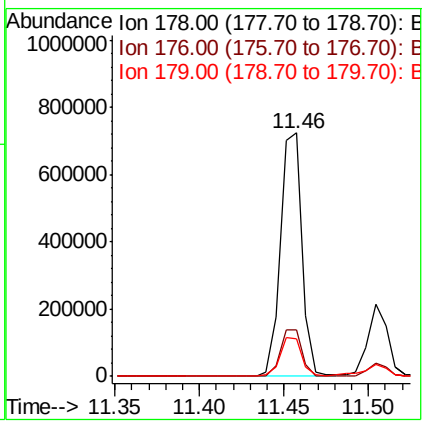




#71
Phenanthrene
Concen: 7.945 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:178 Resp: 640032

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.7	25.1
179	15.6	13.1	19.7



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

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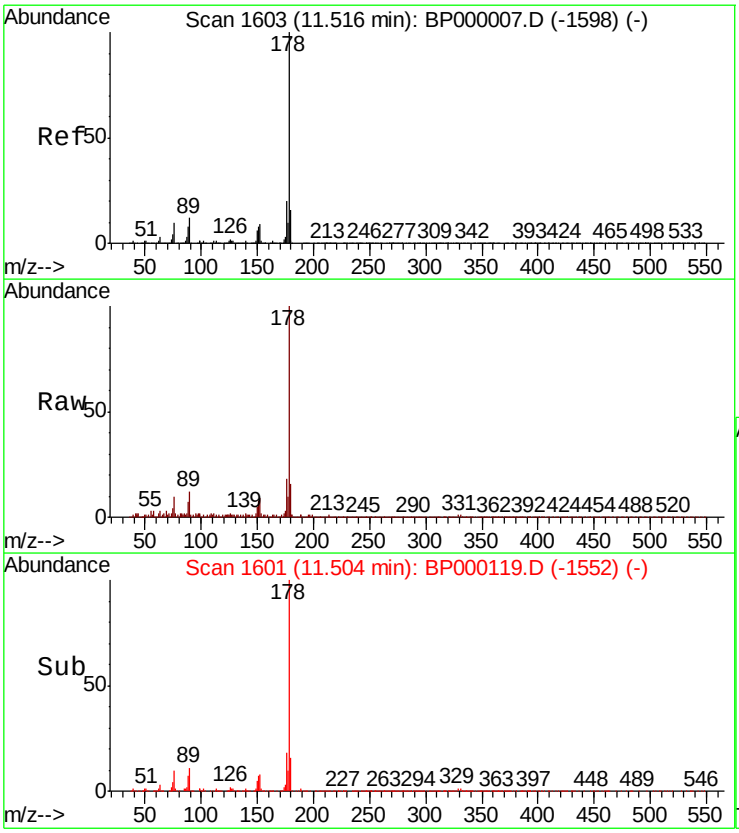
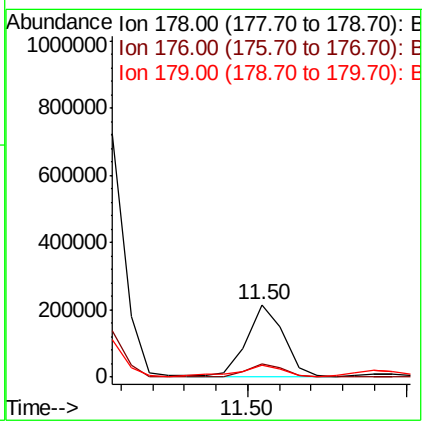
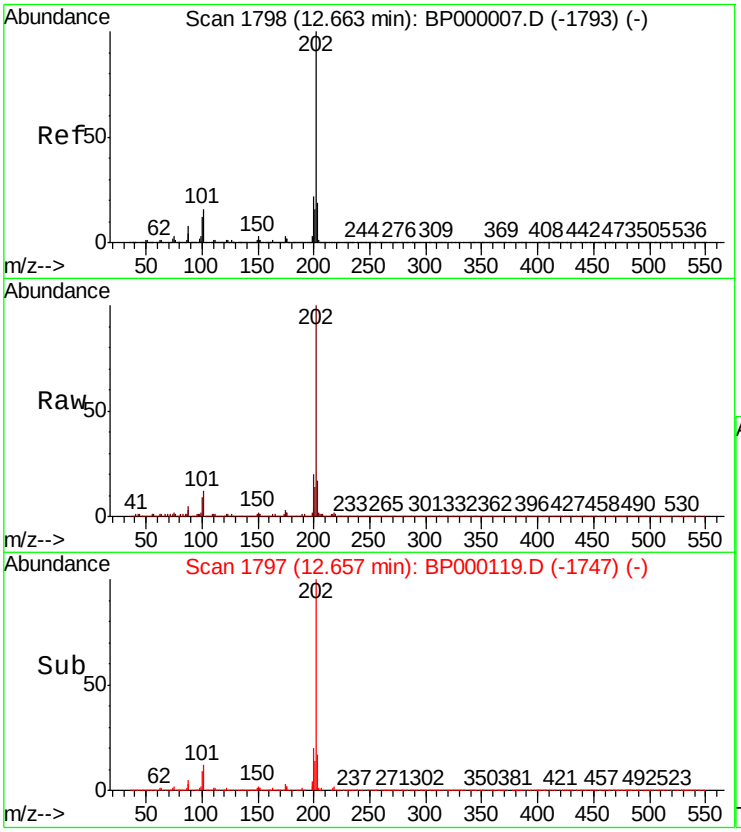


#72
Anthracene
Concen: 2.145 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:178 Resp: 170725

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	16.0	13.0	19.6

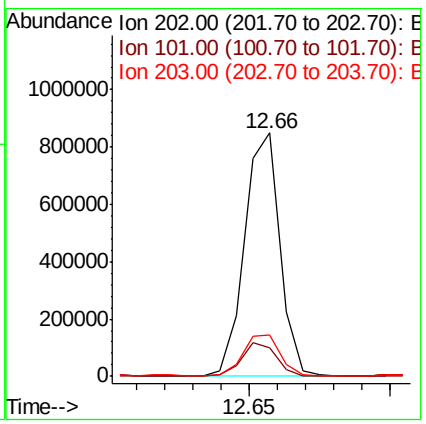




#75
Fluoranthene
Concen: 8.379 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:202 Resp: 733472

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	36.4
203	16.9	0.0	38.7



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

Manual Integrations APPROVED
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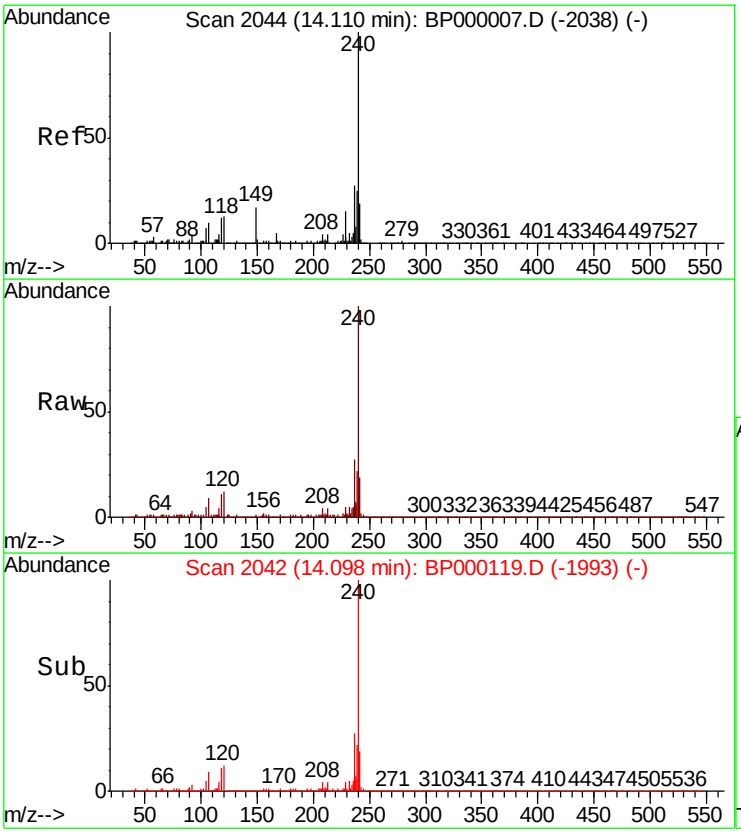
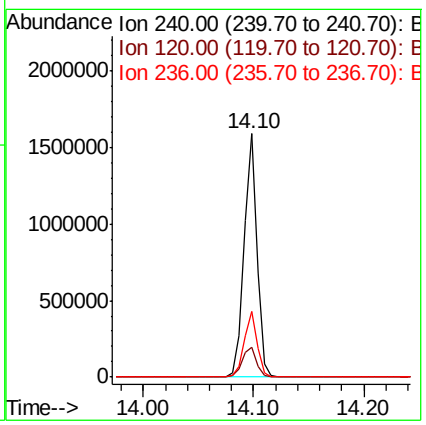
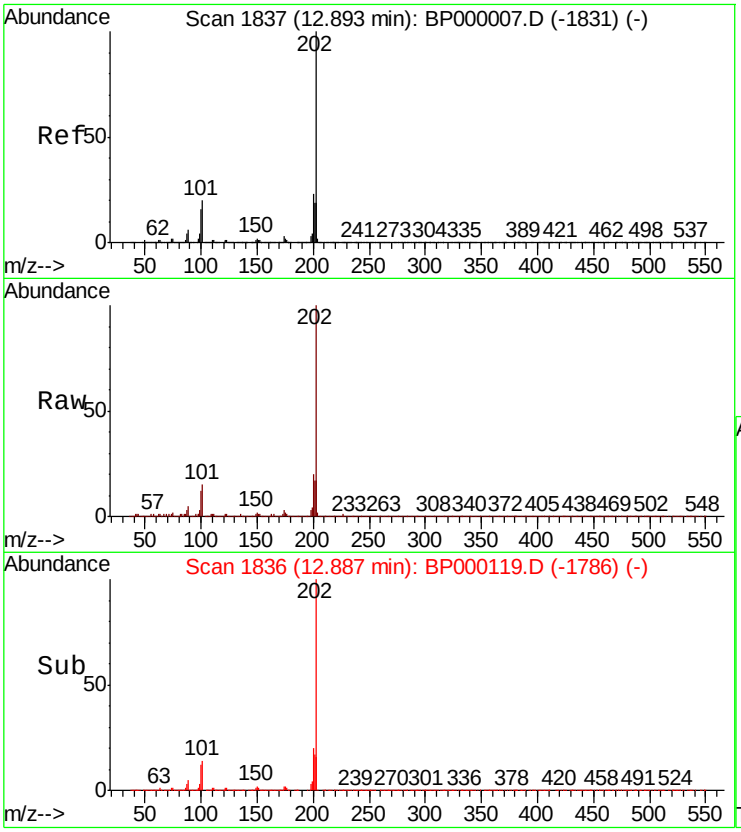


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:240 Resp: 1307738

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.5	15.7
236	27.1	21.5	32.3

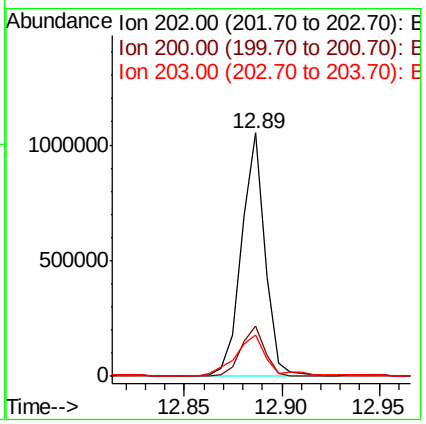




#78
Pyrene
Concen: 9.048 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:202 Resp: 870457

Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.5	27.7
203	17.3	15.1	22.7



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

Manual Integrations APPROVED
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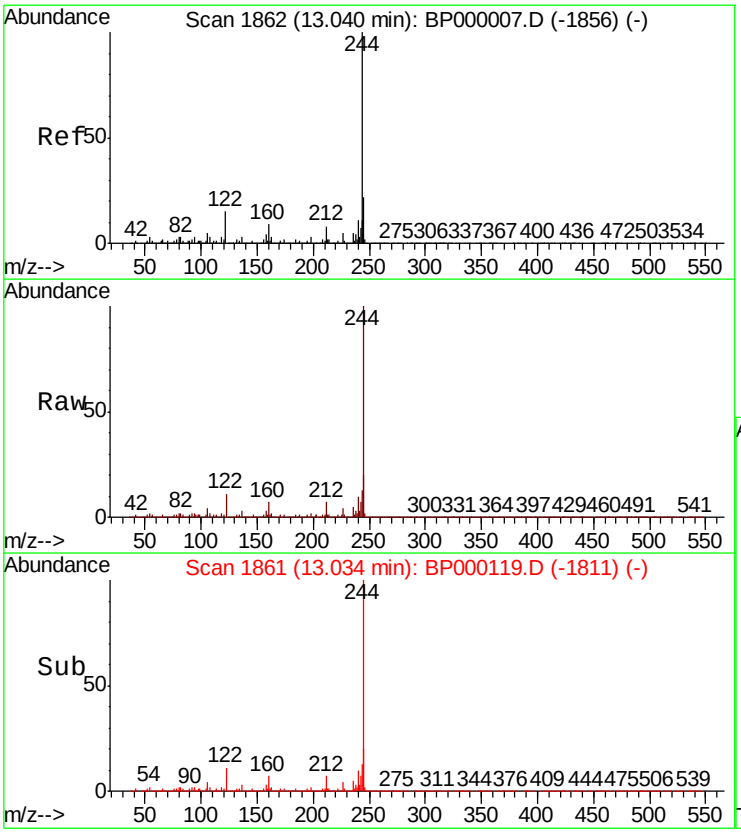
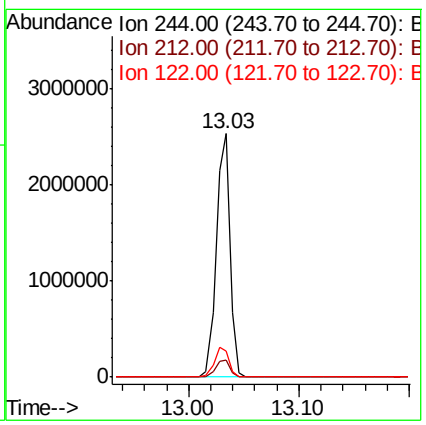
9/10/2019 2:51:50 PM

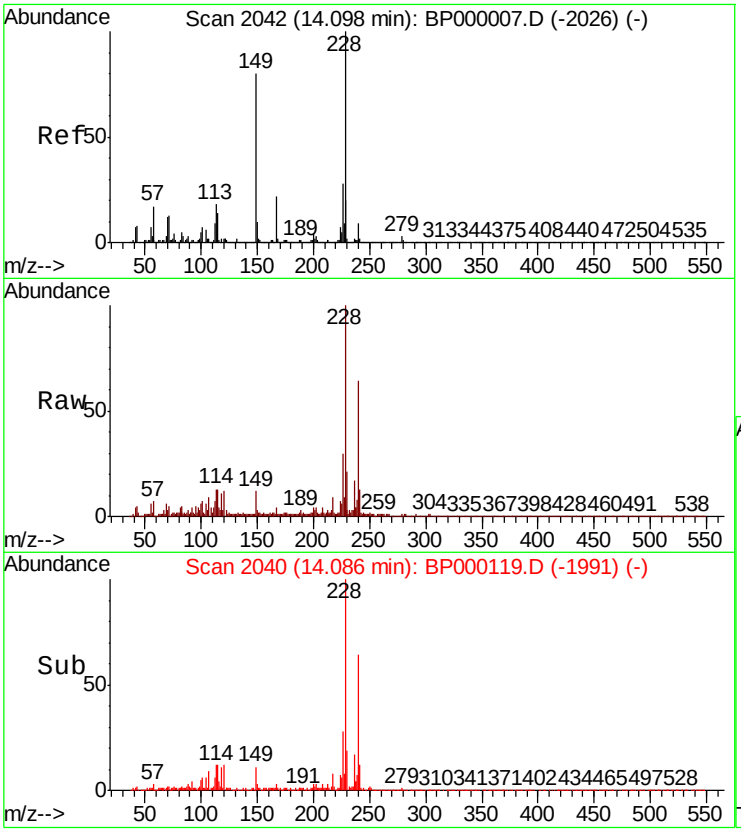


#79
Terphenyl-d14
Concen: 36.358 ng
RT: 13.03 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:244 Resp: 2181459

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.6	10.0
122	10.7	12.3	18.5#

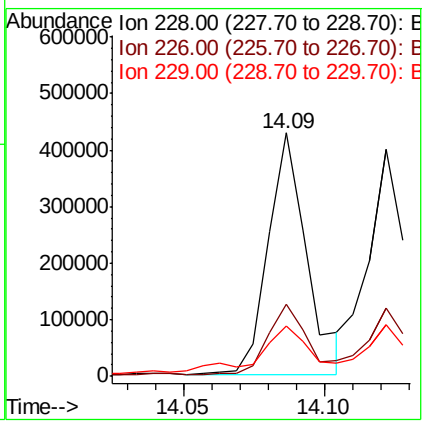




#81
Benzo(a)anthracene
Concen: 4.757 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:228 Resp: 403121

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.5	33.7
229	20.8	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

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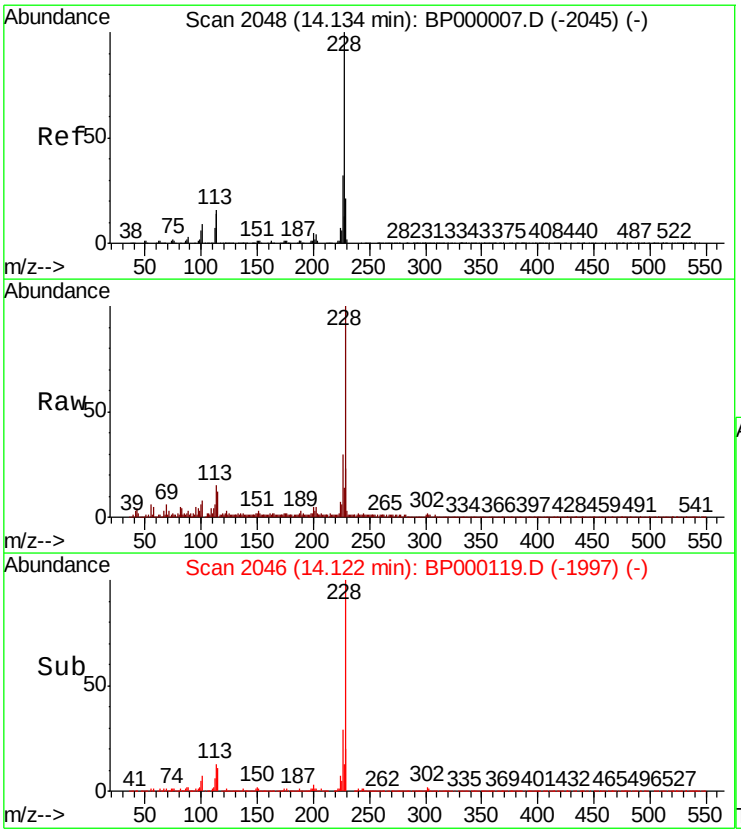
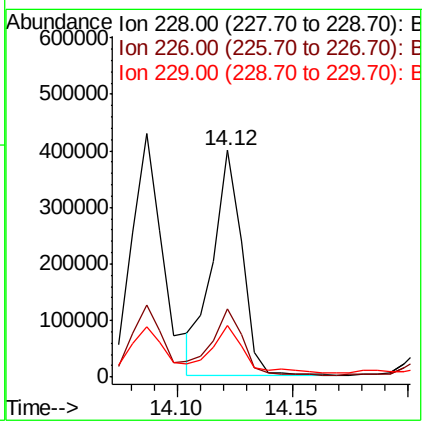
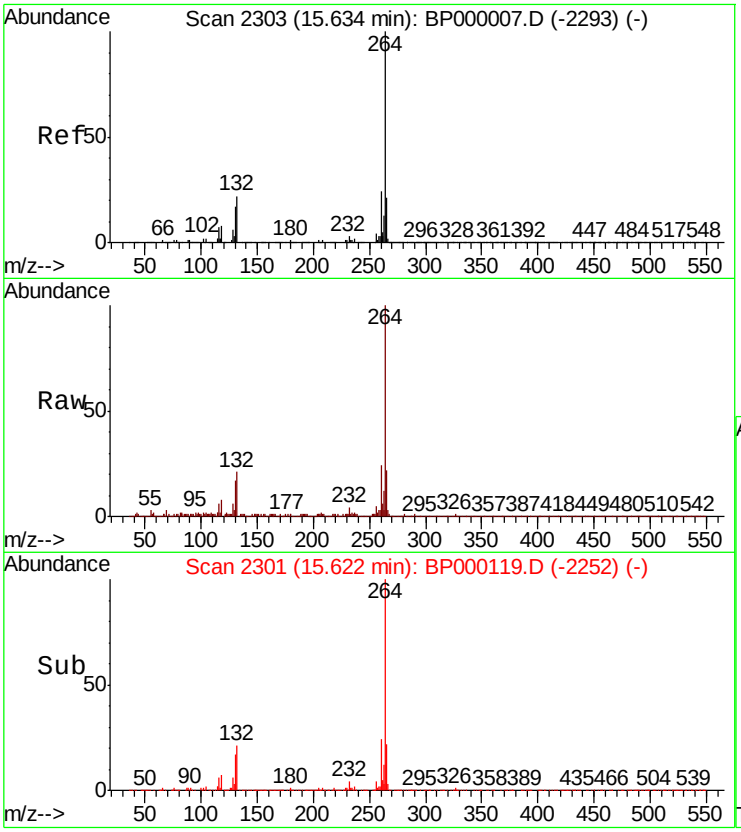


#83
Chrysene
Concen: 4.368 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:228 Resp: 350141

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.5	38.3
229	23.0	16.5	24.7

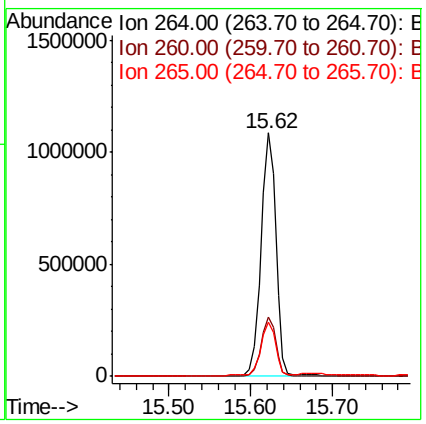




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:264 Resp: 1365380

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	22.4	17.1	25.7



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

Manual Integrations APPROVED
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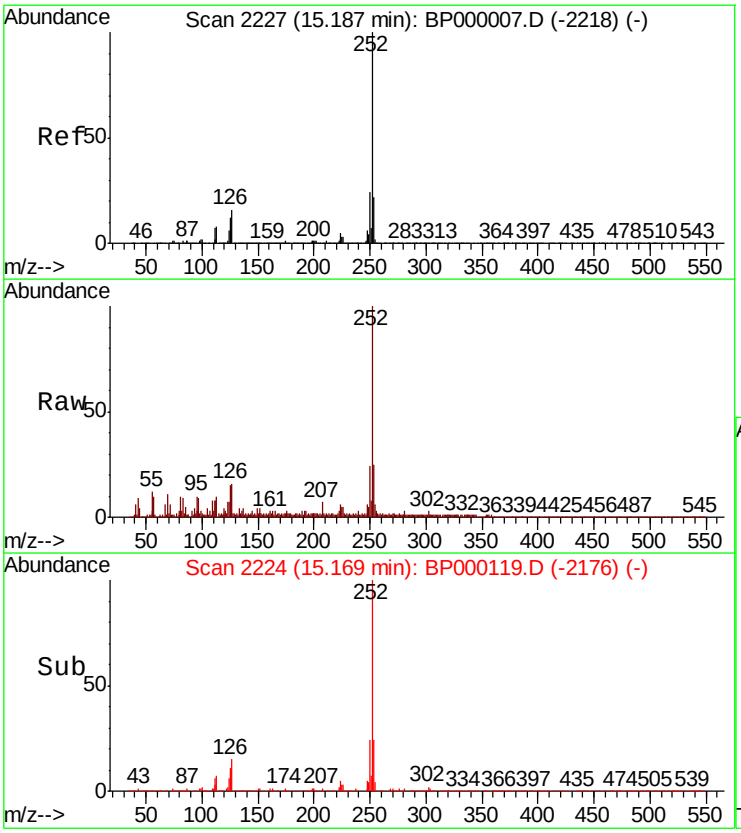
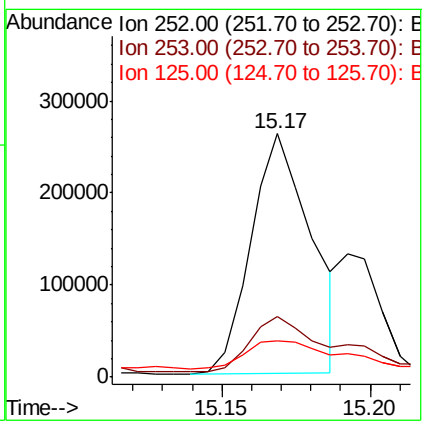
9/10/2019 2:51:50 PM

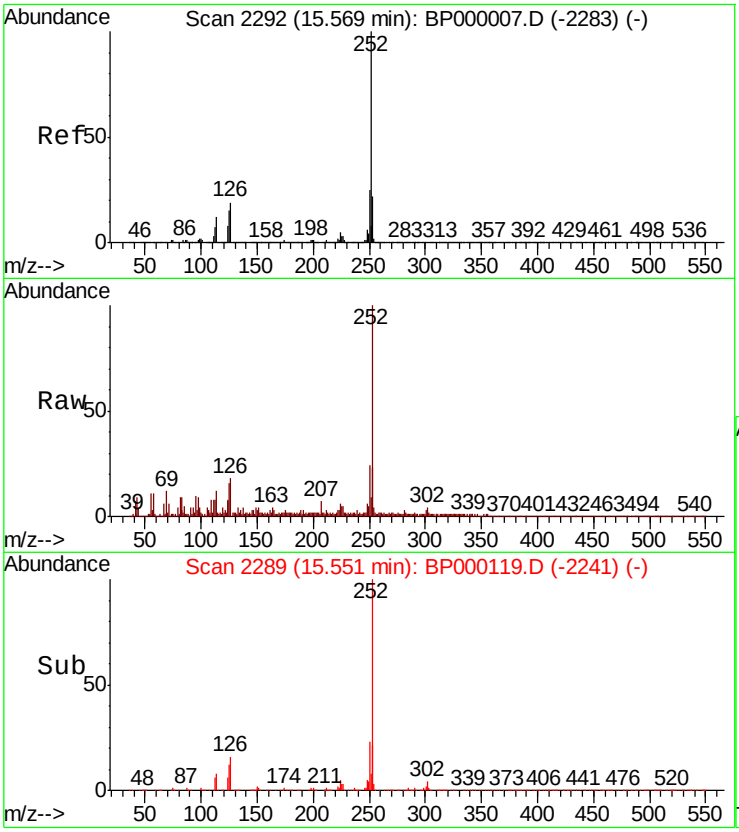


#88
Benzo(b)fluoranthene
Concen: 4.427 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:252 Resp: 369220

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	14.8	9.4	14.2#

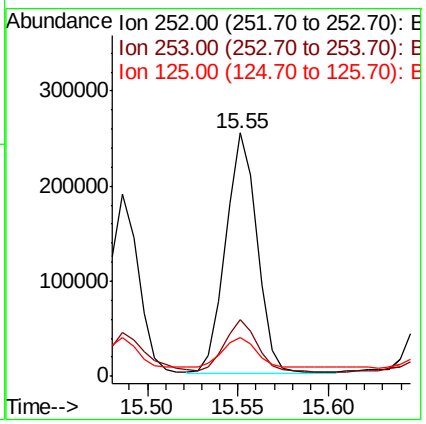




#90
Benzo(a)pyrene
Concen: 4.050 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:252 Resp: 304900

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.9	11.7	17.5



Instrument :
BNA_P
ClientSampleId :
HR-06-090619

Manual Integrations APPROVED
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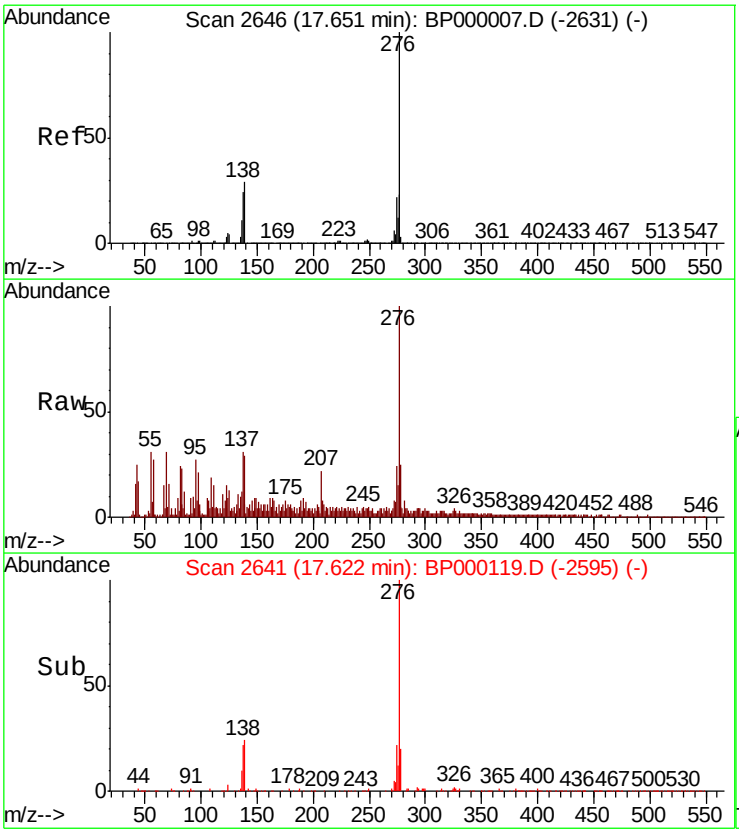

#92
Benzo(g,h,i)perylene
Concen: 2.053 ng
RT: 17.62 min Scan# 2641
Delta R.T. -0.03 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:276 Resp: 152967

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	28.9	23.0	34.4