Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000308.D
Acq On : 18 Sep 2019 19:38
Operator : HP/JU
Sample : K4878-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : CSA-2-6

Manual Integrations APPROVED
Jagrut
9/19/2019 11:07:14 AM

Quant Time: Sep 19 04:43:27 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	255717	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	963450	20.00	ng		0.00
39) Acenaphthene-d10	9.83	164	526787	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	928408	20.00	ng		0.00
76) Chrysene-d12	14.00	240	706323	20.00	ng		0.00
87) Perylene-d12	15.49	264	751217	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	272820	18.42	ng		0.00
7) Phenol-d6	6.42	99	352874	19.43	ng		0.00
23) Nitrobenzene-d5	7.35	82	185001	12.39	ng		0.00
42) 2,4,6-Tribromophenol	10.62	330	99007	18.95	ng		0.00
45) 2-Fluorobiphenyl	9.15	172	469440	16.04	ng		0.00
79) Terphenyl-d14	12.93	244	494043	14.67	ng		0.00
Target Compounds							Qvalue
52) Acenaphthene	9.86	154	69709	2.404	ng		100
58) Fluorene	10.38	166	91691	2.896	ng		99
71) Phenanthrene	11.35	178	1351608	29.051	ng		99
72) Anthracene	11.40	178	466379	9.739	ng		98
73) Carbazole	11.55	167	115494	2.678	ng		98
75) Fluoranthene	12.55	202	2657112	53.187	ng		97
78) Pyrene	12.79	202	2382527	45.085	ng		100
81) Benzo(a)anthracene	13.99	228	1450706	32.515	ng		98
83) Chrysene	14.02	228	1082428	24.709	ng		97
86) Indeno(1,2,3-cd)pyrene	16.99	276	595776	11.157	ng	#	91
88) Benzo(b)fluoranthene	15.06	252	1608886m	35.901	ng		
89) Benzo(k)fluoranthene	15.08	252	422913m	10.818	ng		
90) Benzo(a)pyrene	15.43	252	1062600	26.058	ng		97
91) Dibenzo(a,h)anthracene	17.00	278	154796	4.072	ng	#	80
92) Benzo(g,h,i)perylene	17.44	276	523014	13.384	ng		95

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

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Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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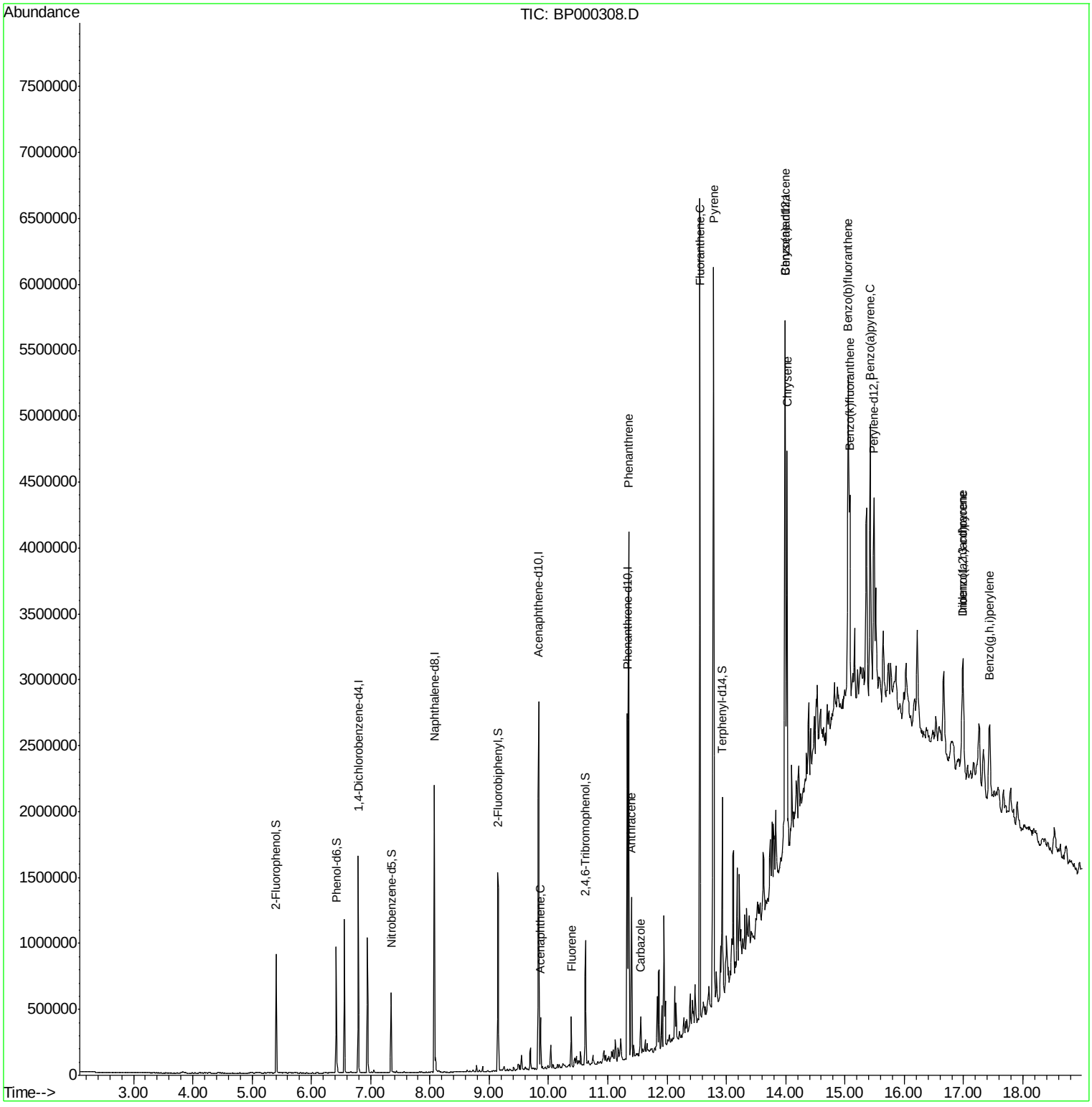
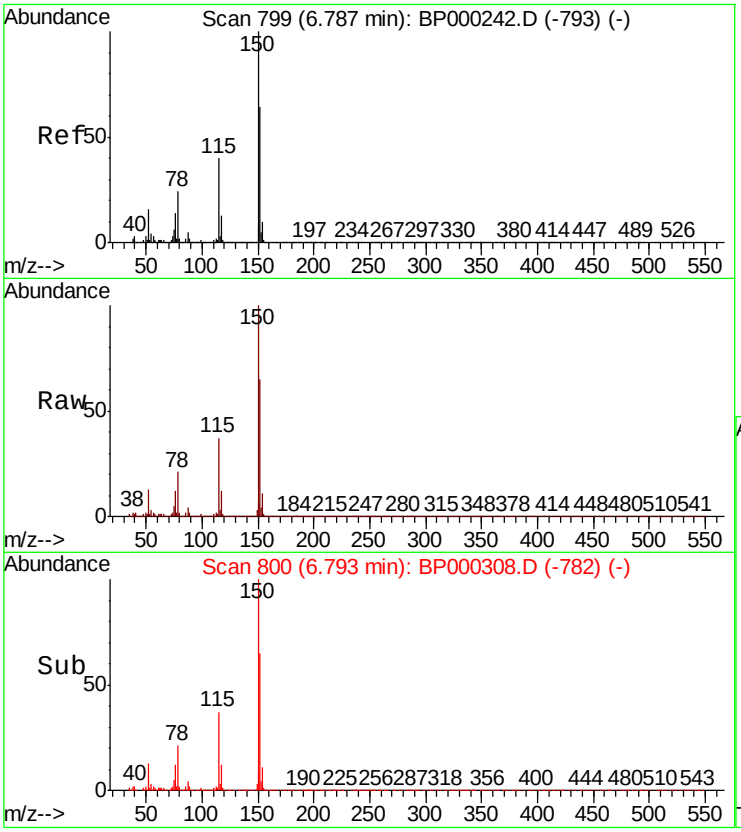
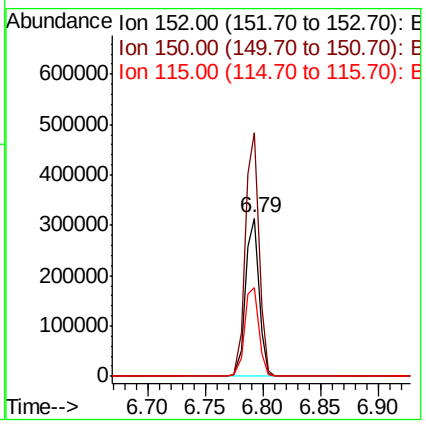




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:152 Resp: 255717

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.2	187.8
115	56.5	49.7	74.5



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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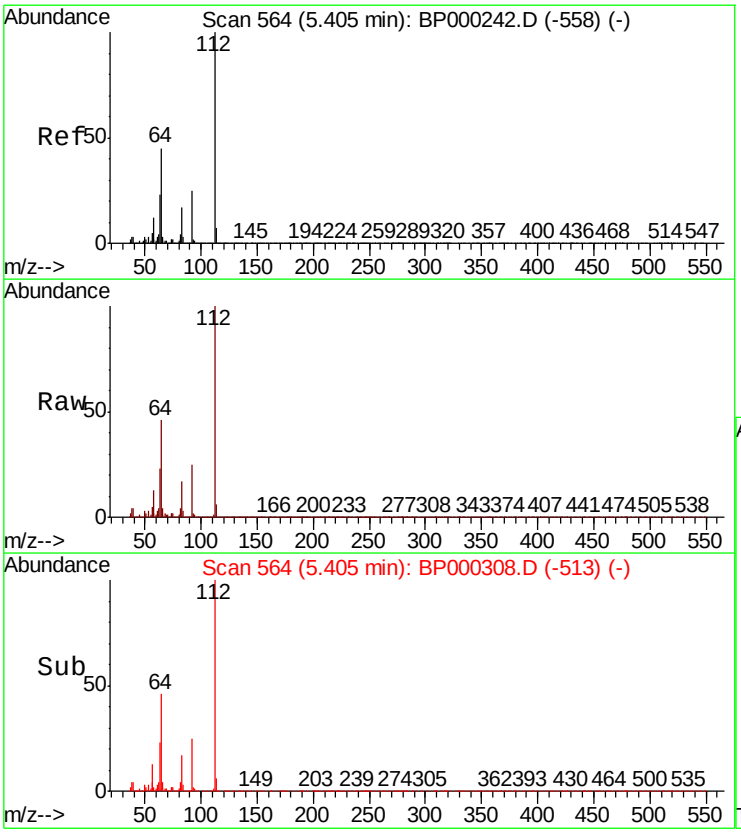
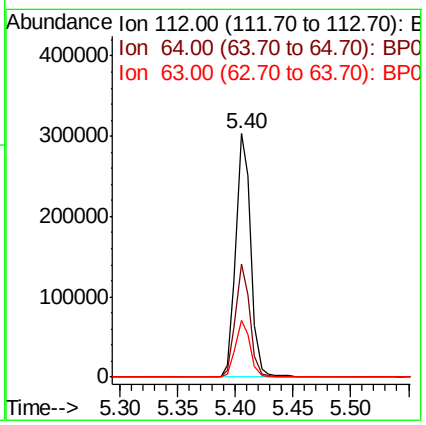
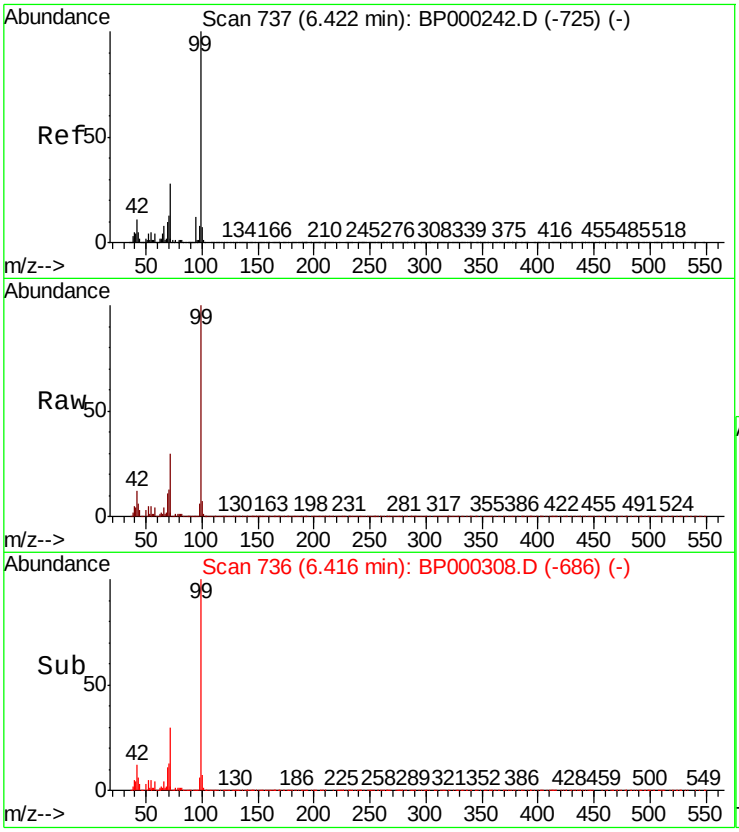


#5
2-Fluorophenol
Concen: 18.418 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:112 Resp: 272820

Ion	Ratio	Lower	Upper
112	100		
64	46.3	36.2	54.4
63	23.5	18.3	27.5

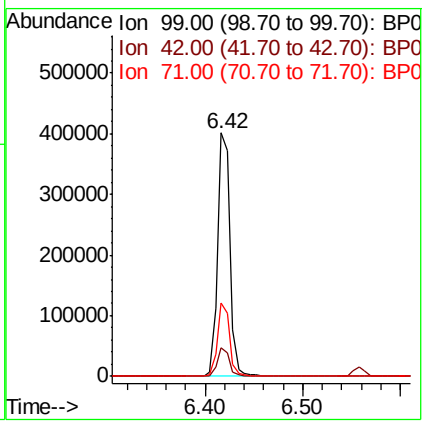




#7
Phenol-d6
Concen: 19.434 ng
RT: 6.42 min Scan# 736
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion: 99 Resp: 352874

Ion	Ratio	Lower	Upper
99	100		
42	11.9	8.5	12.7
71	30.1	22.6	34.0



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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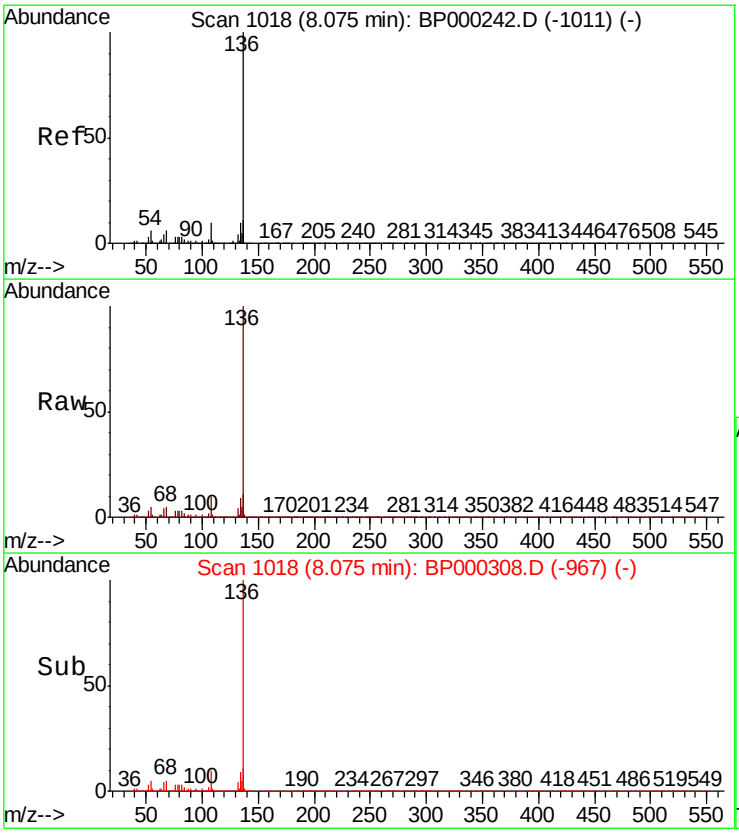
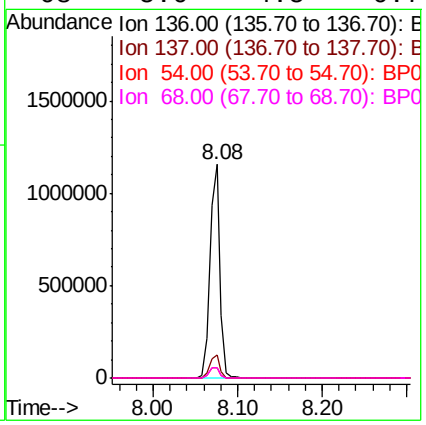
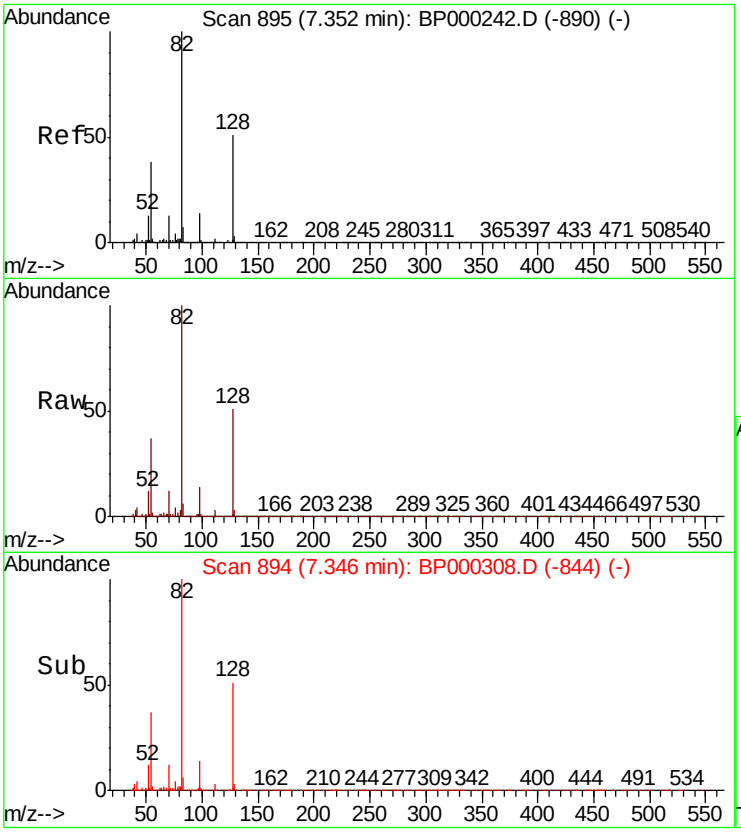


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:136 Resp: 963450

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

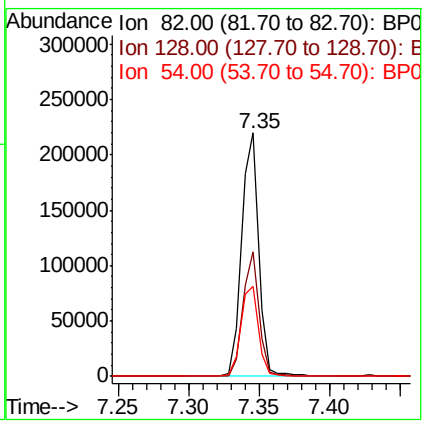




#23
Nitrobenzene-d5
Concen: 12.389 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion: 82 Resp: 185001

Ion	Ratio	Lower	Upper
82	100		
128	51.2	40.7	61.1
54	37.0	30.1	45.1



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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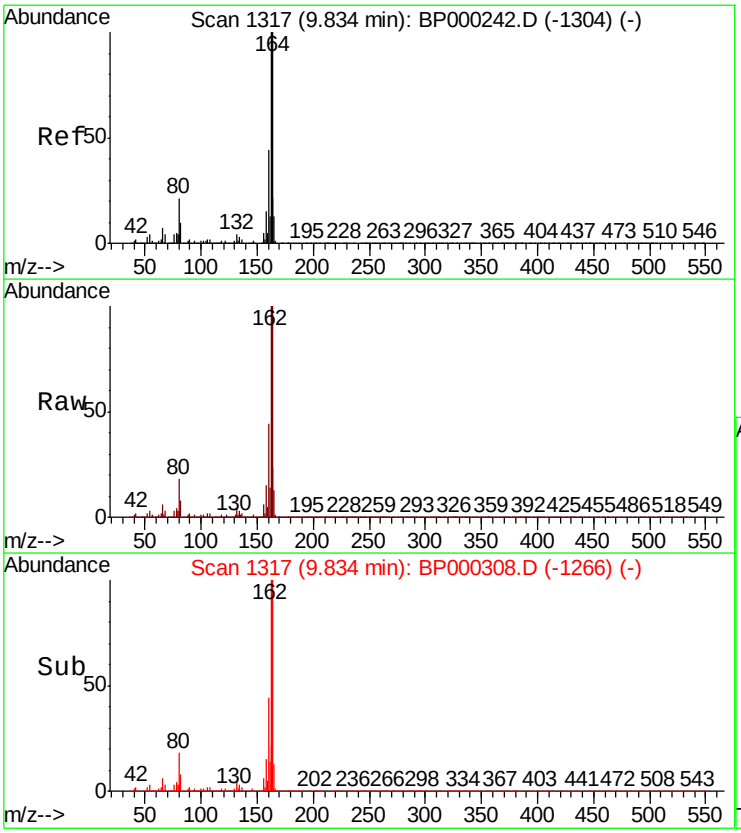
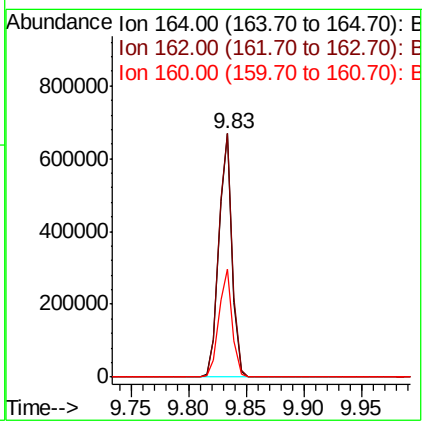
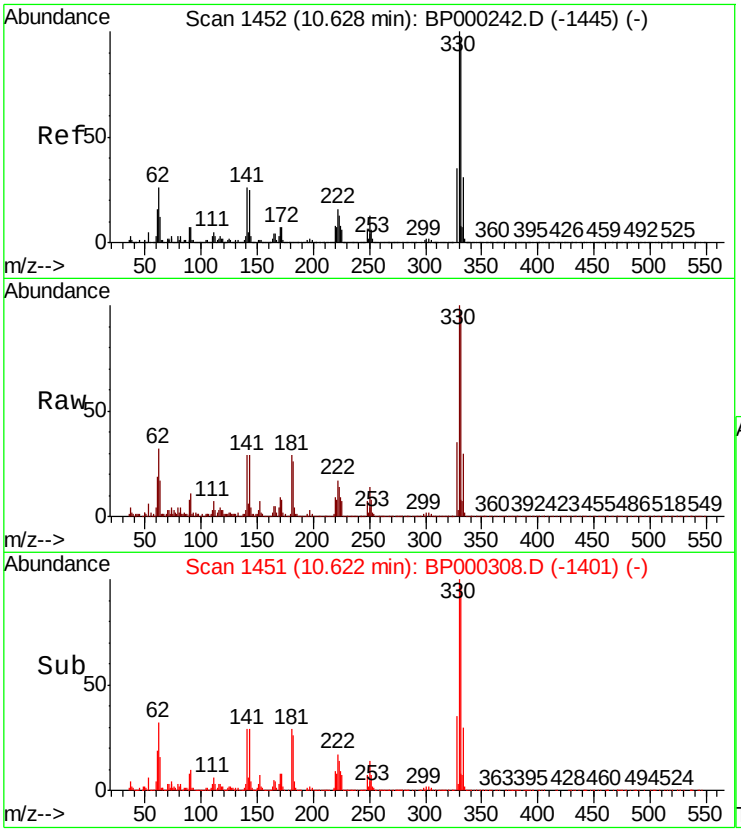


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:164 Resp: 526787

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.9	119.9
160	44.4	35.6	53.4

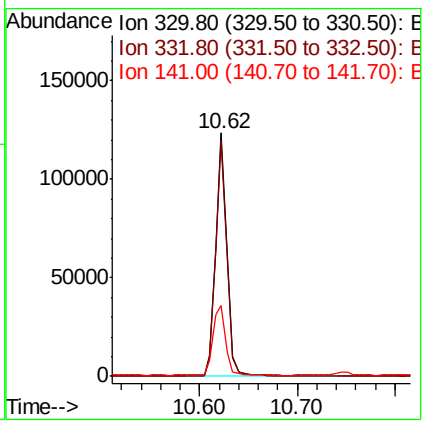




#42
2,4,6-Tribromophenol
Concen: 18.949 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:330 Resp: 99007

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	31.2	26.5	39.7



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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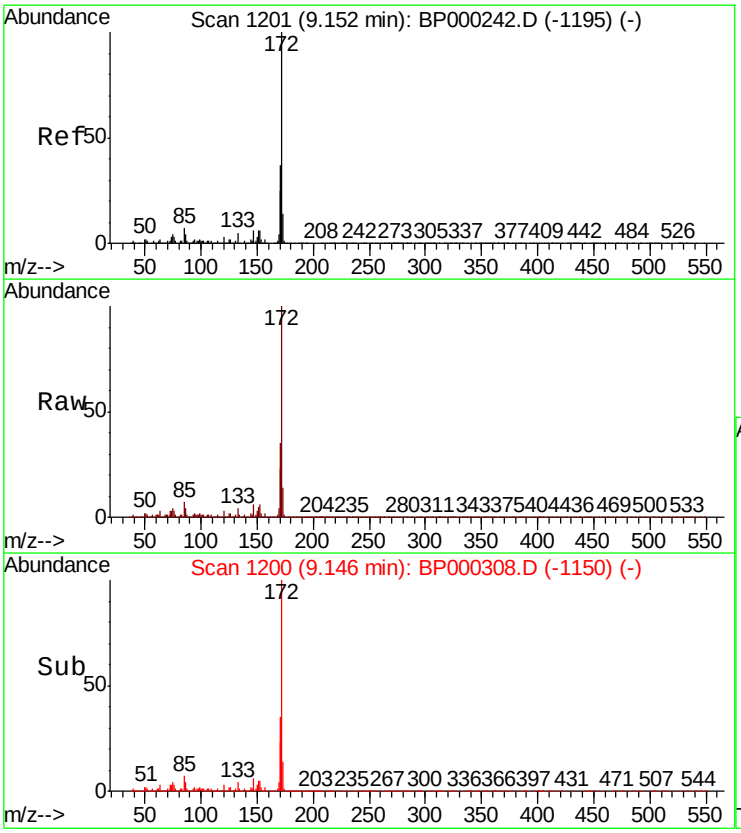
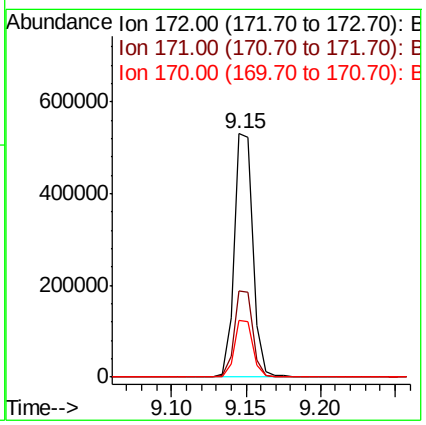
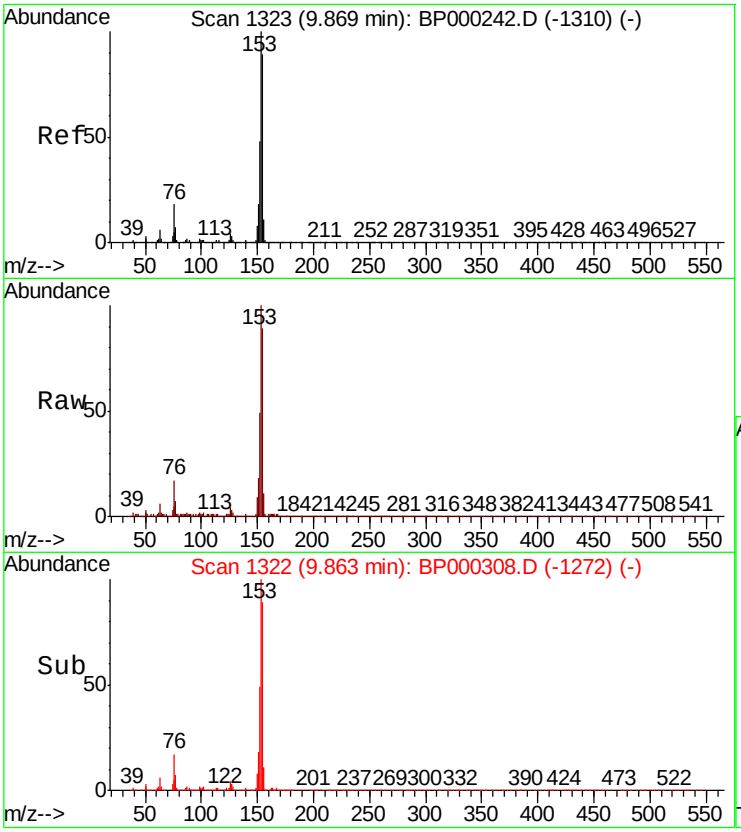


#45
2-Fluorobiphenyl
Concen: 16.039 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:172 Resp: 469440

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.8	44.6
170	23.4	19.8	29.6

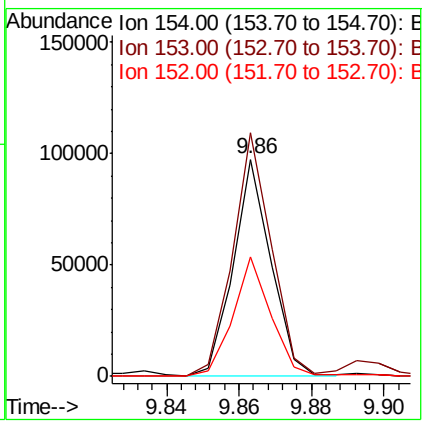




#52
Acenaphthene
Concen: 2.404 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:154 Resp: 69709

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	54.8	43.4	65.0



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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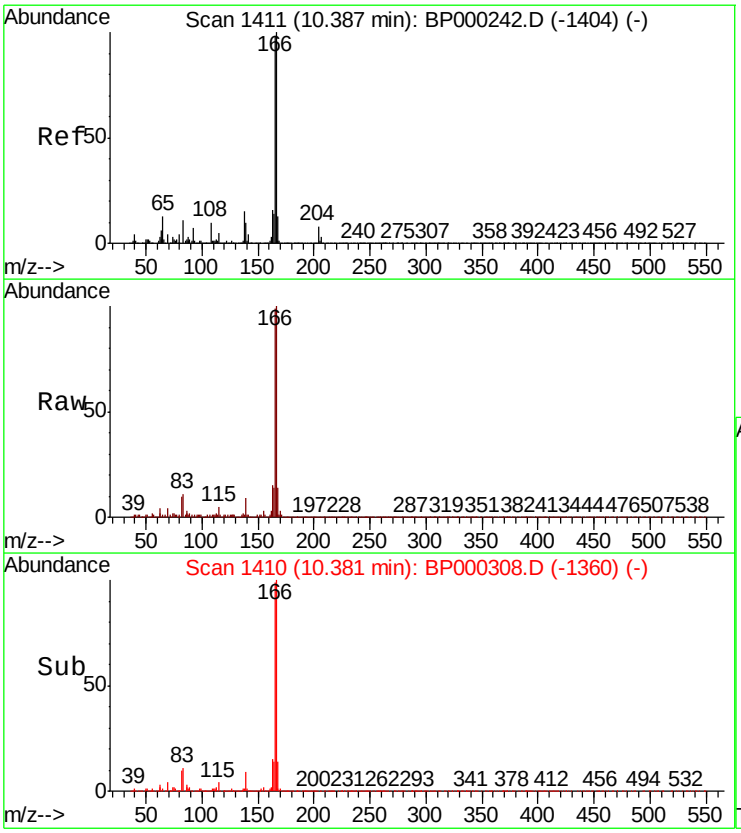
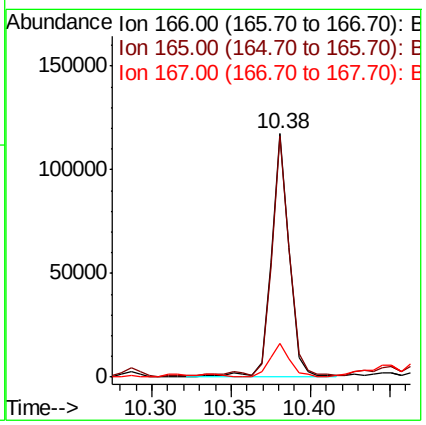
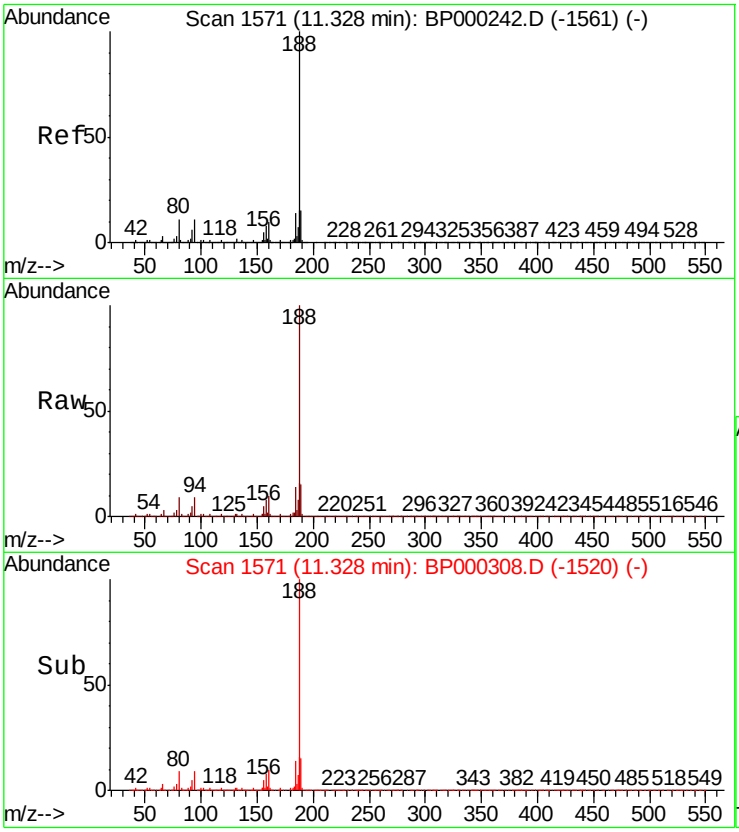


#58
Fluorene
Concen: 2.896 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:166 Resp: 91691

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.2
167	13.8	10.7	16.1

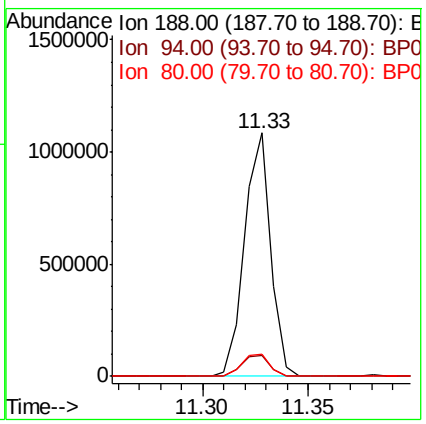




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:188 Resp: 928408

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	8.9	8.6	13.0



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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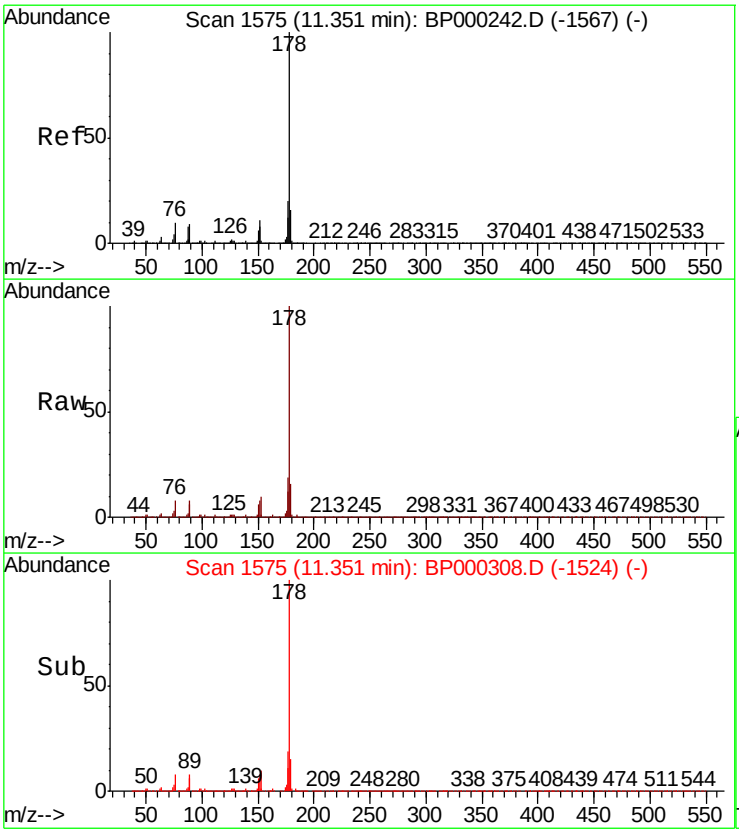
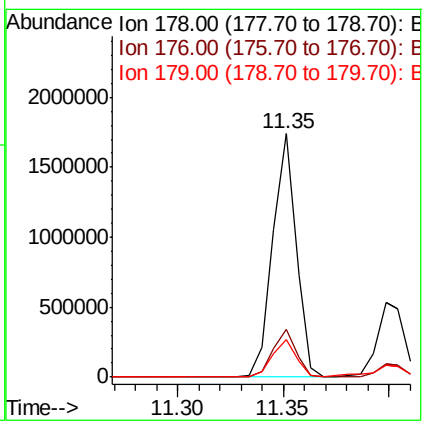
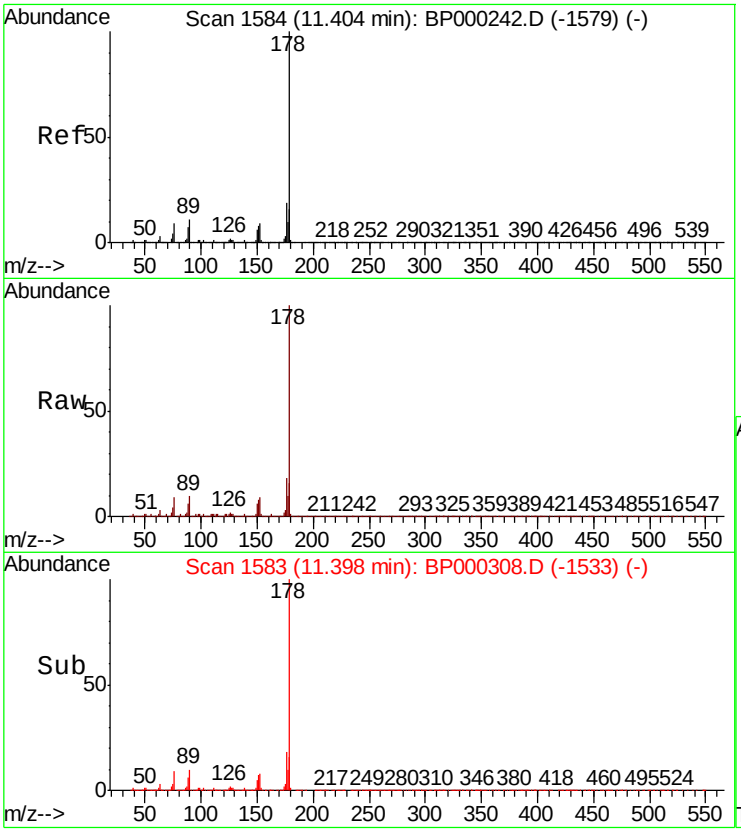


#71
Phenanthrene
Concen: 29.051 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:178 Resp: 1351608

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	12.7	19.1

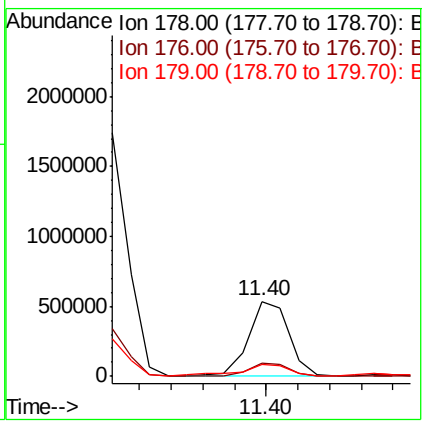




#72
Anthracene
Concen: 9.739 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:178 Resp: 466379

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	15.7	12.7	19.1



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Manual Integrations APPROVED
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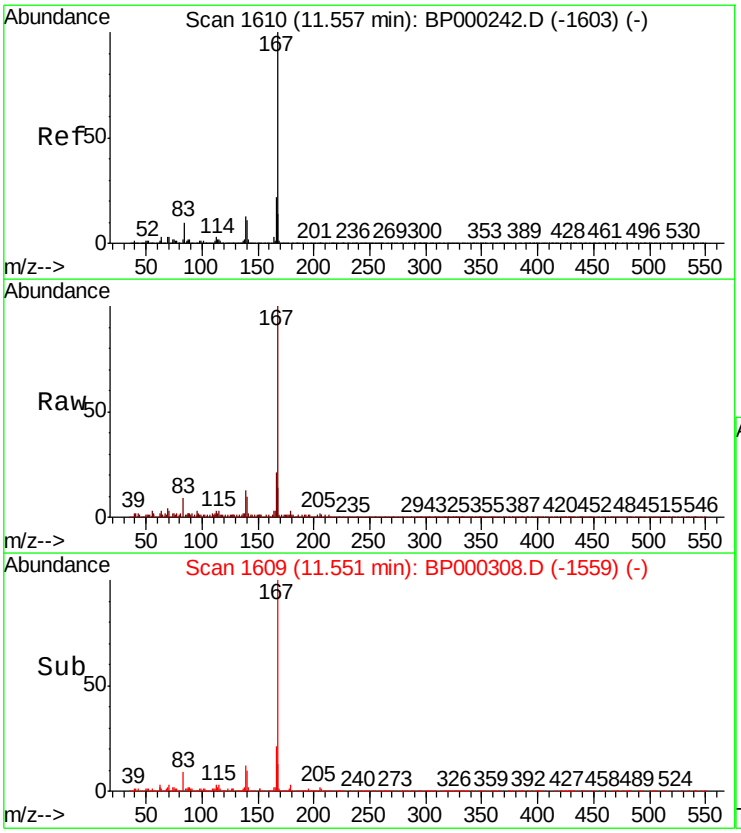
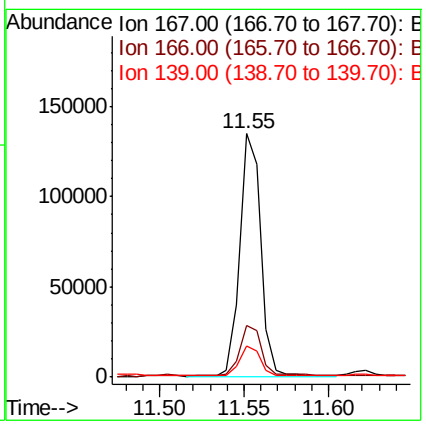
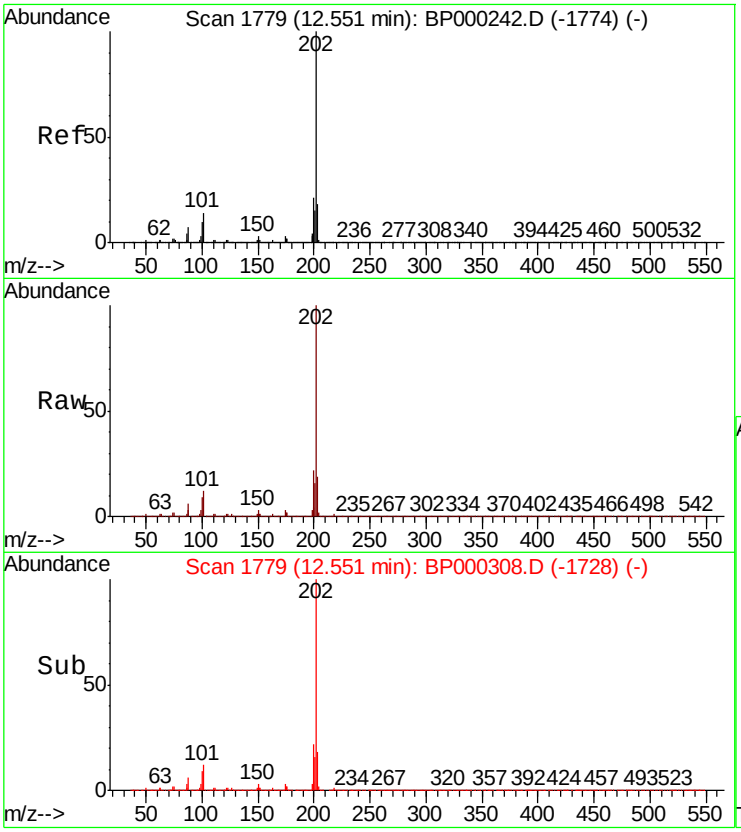


#73
Carbazole
Concen: 2.678 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:167 Resp: 115494

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.8	26.8
139	12.8	10.8	16.2

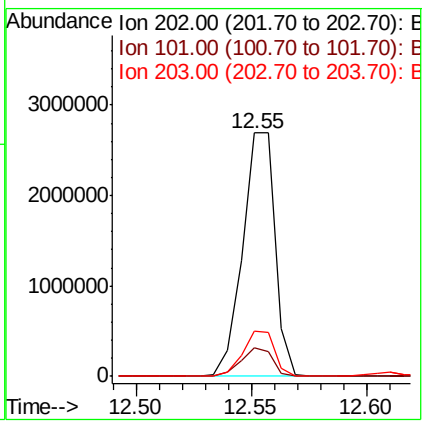




#75
Fluoranthene
Concen: 53.187 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

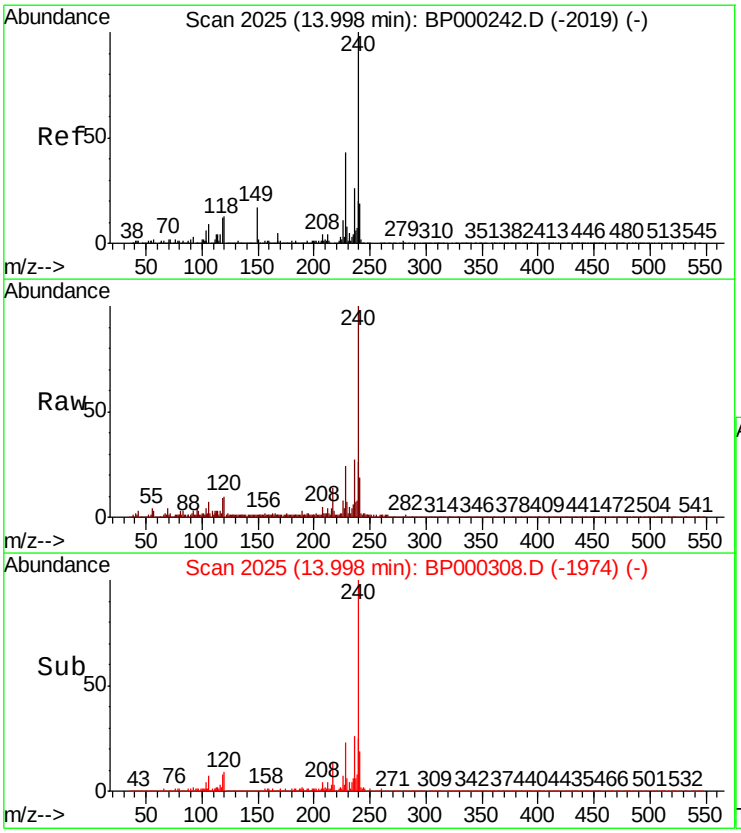
Tgt Ion:202 Resp: 2657112

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.9
203	18.5	0.0	38.0



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

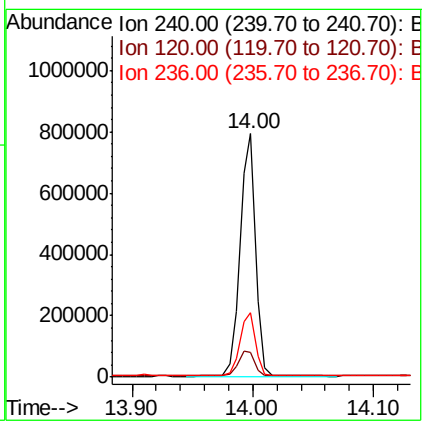
Manual Integrations APPROVED
Jagrut
9/19/2019 11:07:14 AM

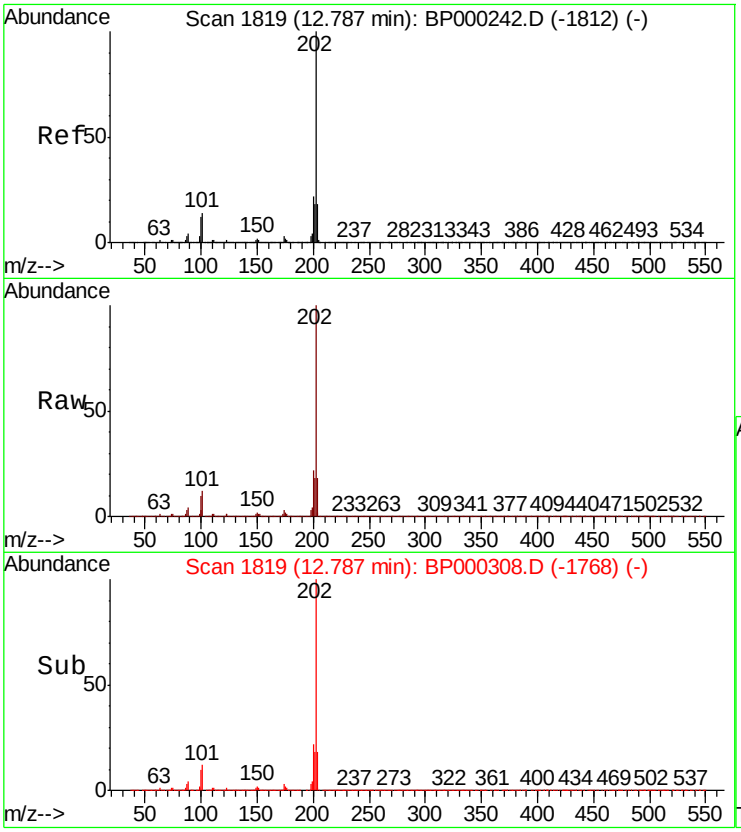


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:240 Resp: 706323

Ion	Ratio	Lower	Upper
240	100		
120	9.9	10.4	15.6#
236	26.6	21.0	31.6

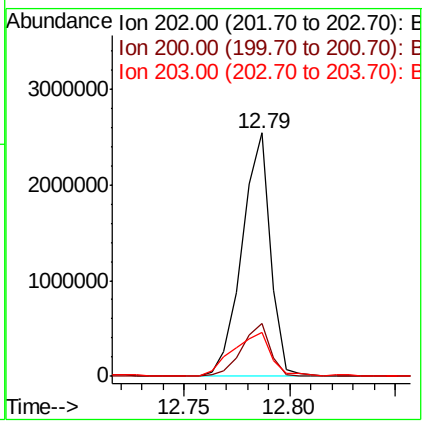




#78
Pyrene
Concen: 45.085 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:202 Resp: 2382527

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.5	26.3
203	18.1	14.3	21.5



Instrument :
BNA_P
ClientSampleId :
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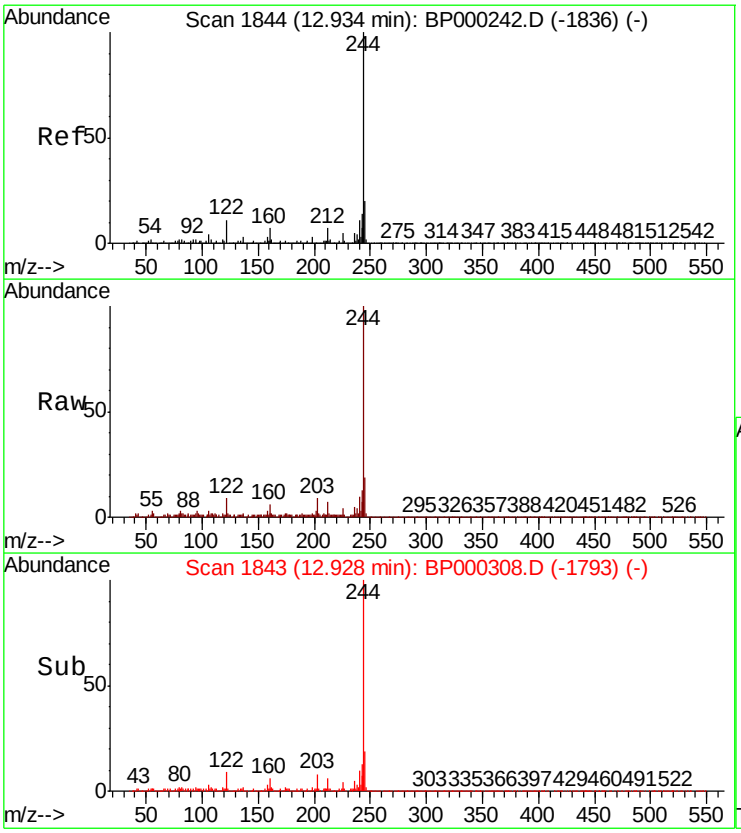
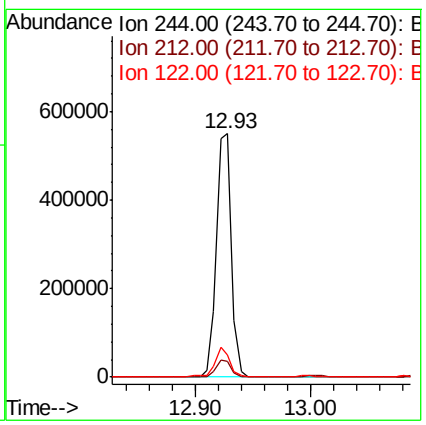
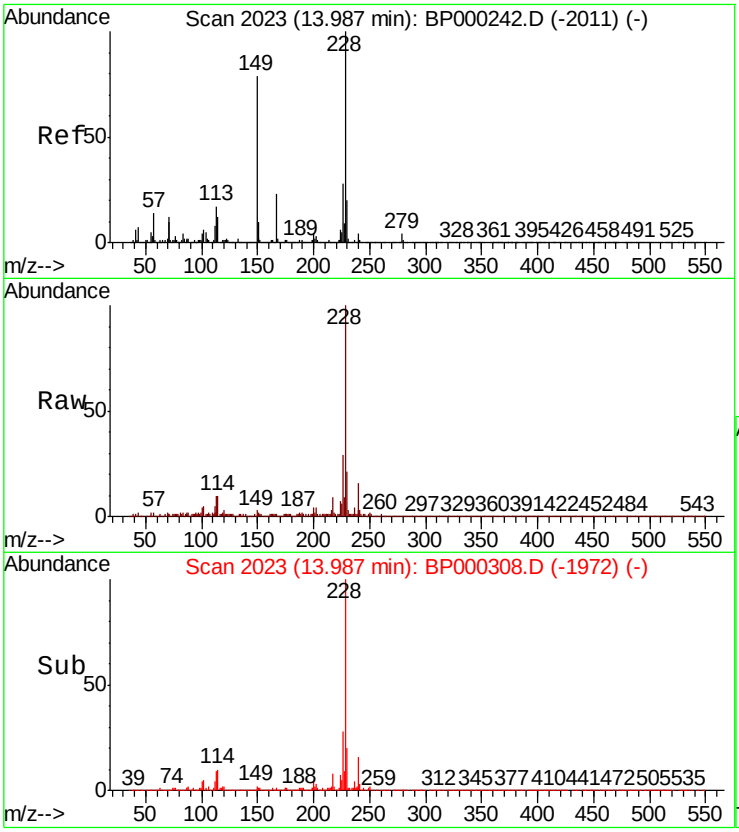


#79
Terphenyl-d14
Concen: 14.674 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:244 Resp: 494043

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	8.9	9.0	13.4#

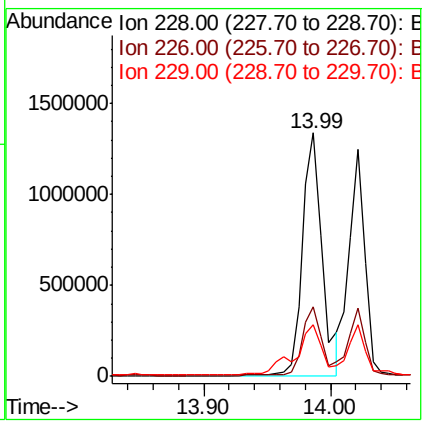




#81
Benzo(a)anthracene
Concen: 32.515 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:228 Resp: 1450706

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	21.0	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
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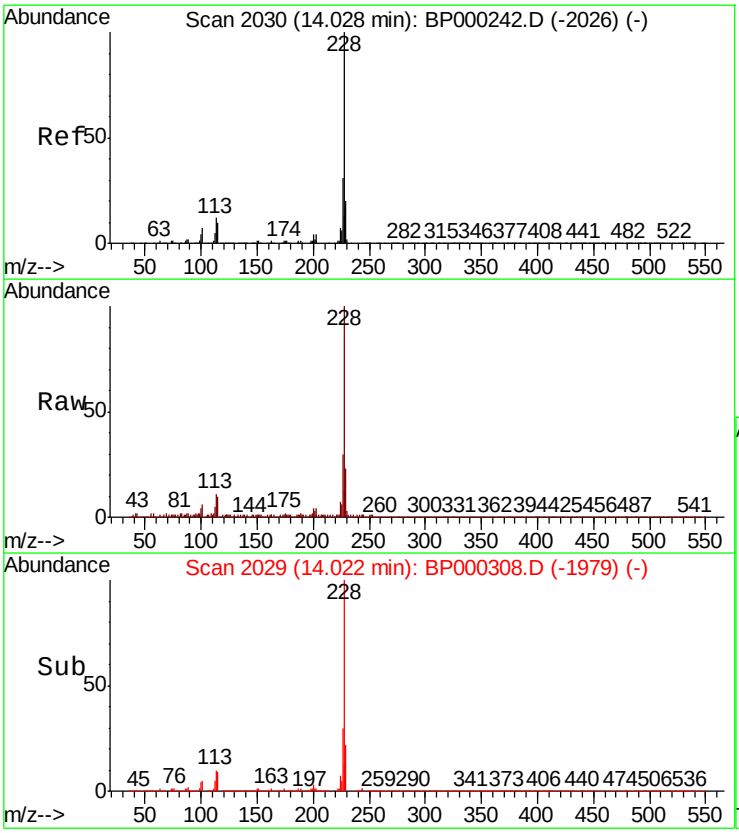
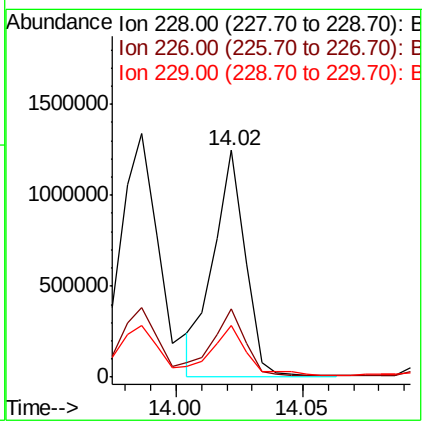
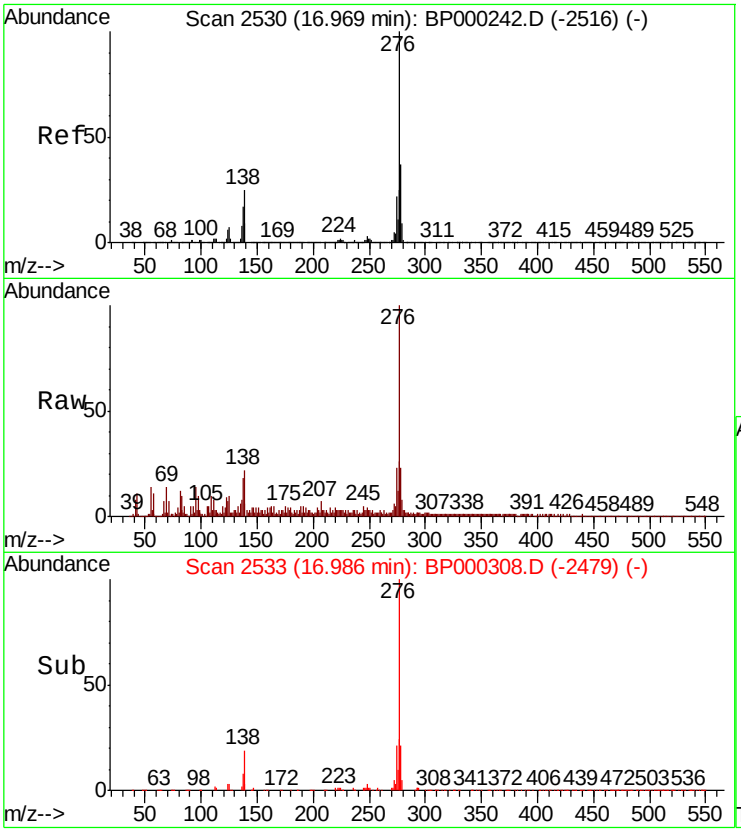


#83
Chrysene
Concen: 24.709 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:228 Resp: 1082428

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	23.0	16.2	24.2

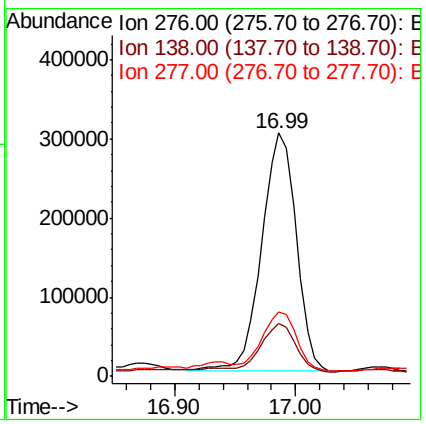




#86
Indeno(1,2,3-cd)pyrene
Concen: 11.157 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:276 Resp: 595776

Ion	Ratio	Lower	Upper
276	100		
138	20.0	22.6	33.8#
277	24.7	20.4	30.6



Instrument :
BNA_P
ClientSampleId :
CSA-2-6

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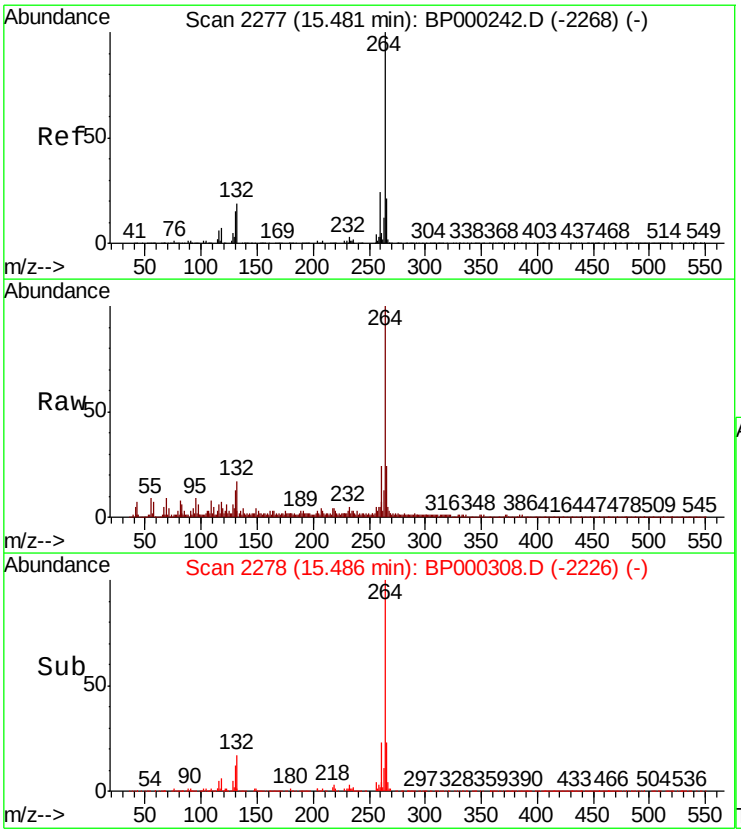
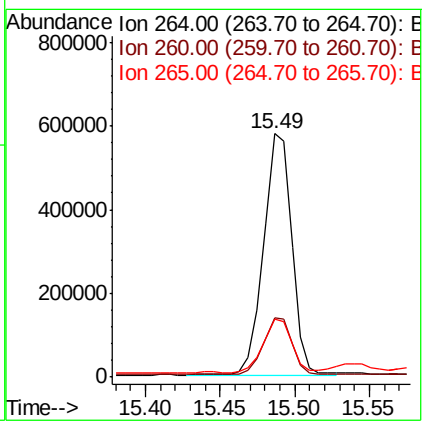
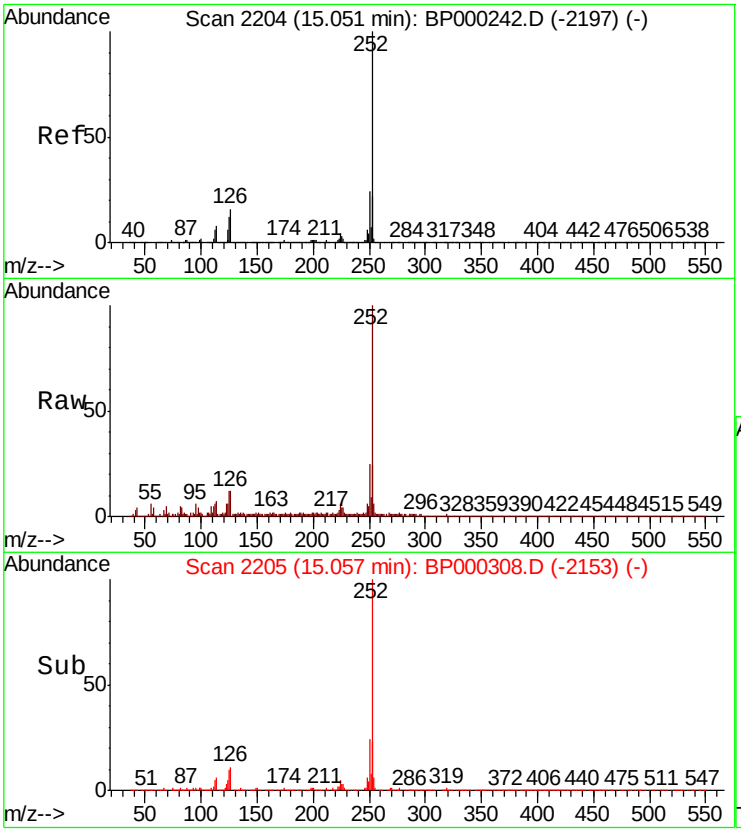


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:264 Resp: 751217

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	24.0	17.2	25.8

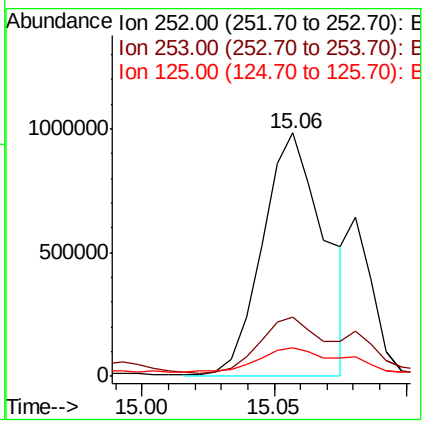




#88
Benzo(b)fluoranthene
Concen: 35.901 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:252 Resp: 1608886

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	11.6	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
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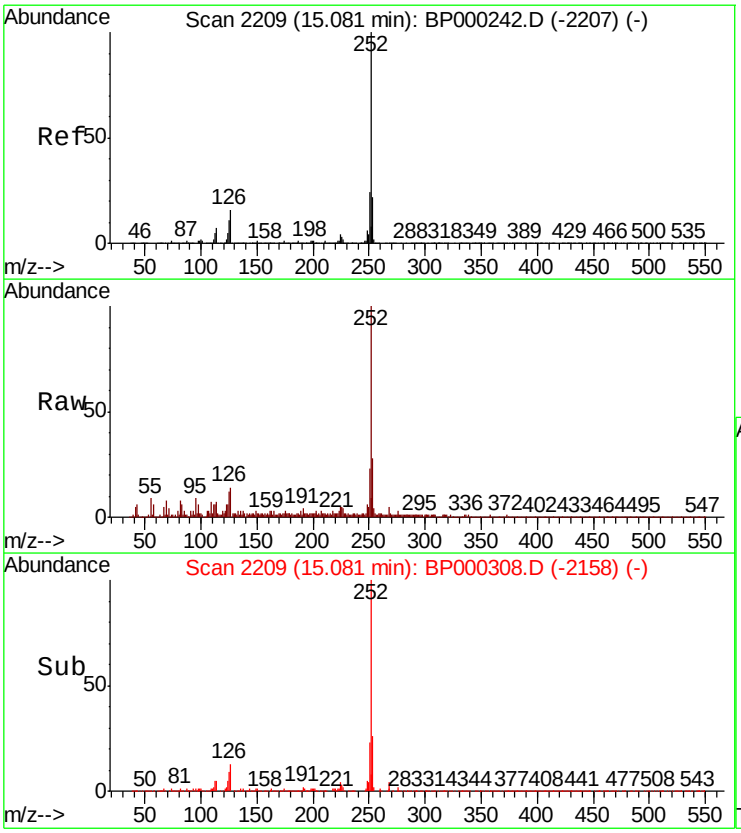
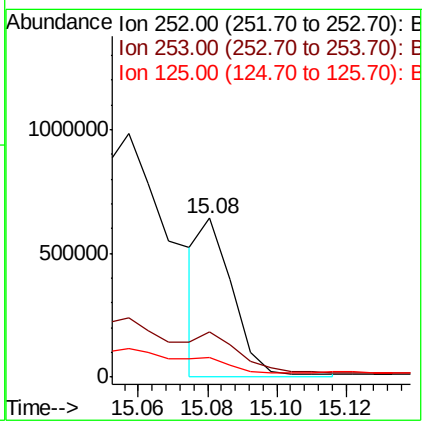
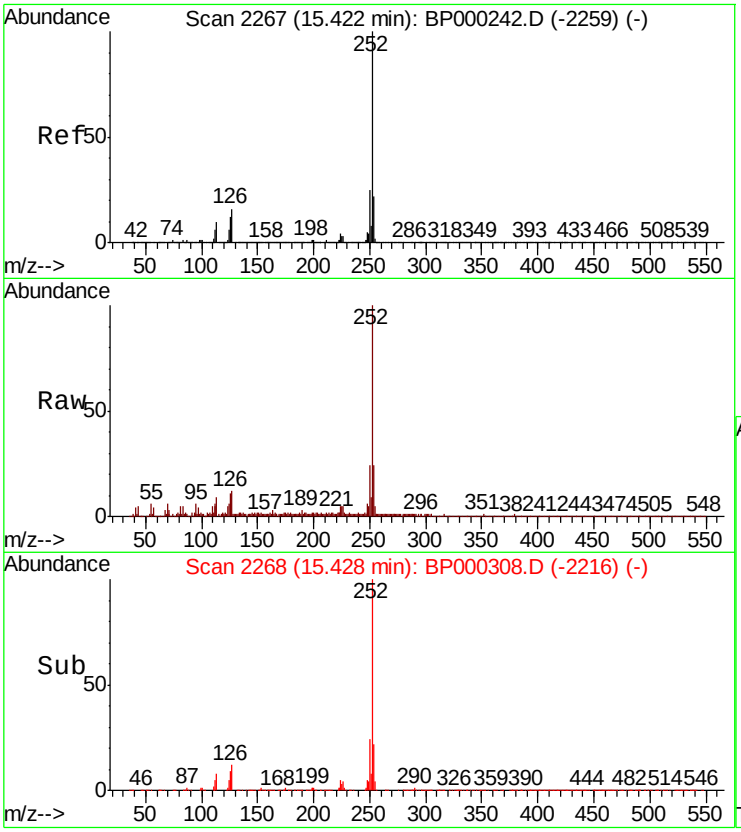


#89
Benzo(k)fluoranthene
Concen: 10.818 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:252 Resp: 422913

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.8	26.8#
125	12.0	9.6	14.4





#90
Benzo(a)pyrene
Concen: 26.058 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:252 Resp: 1062600

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	11.4	10.0	15.0

Instrument :
BNA_P
ClientSampleId :
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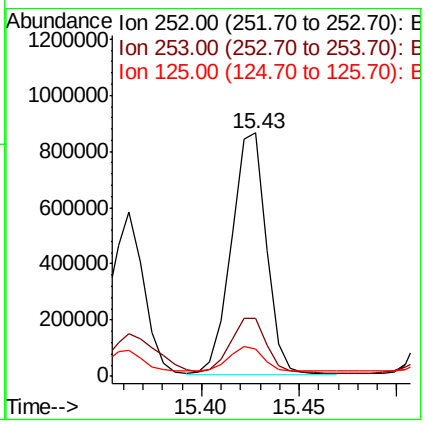
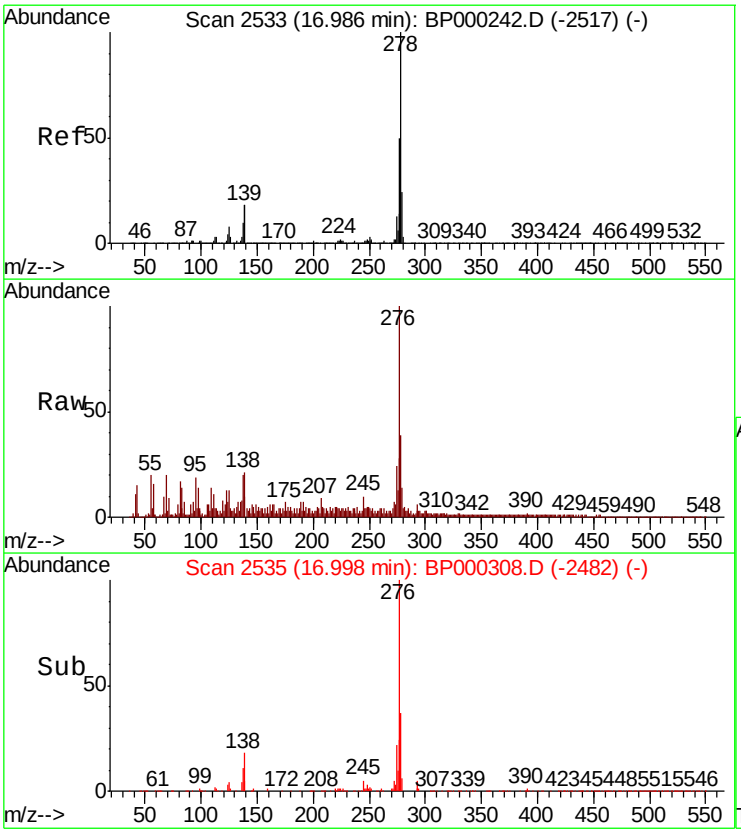
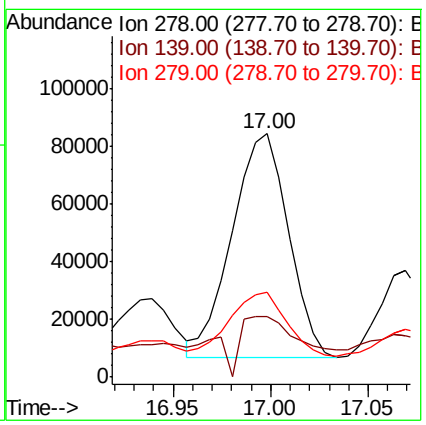


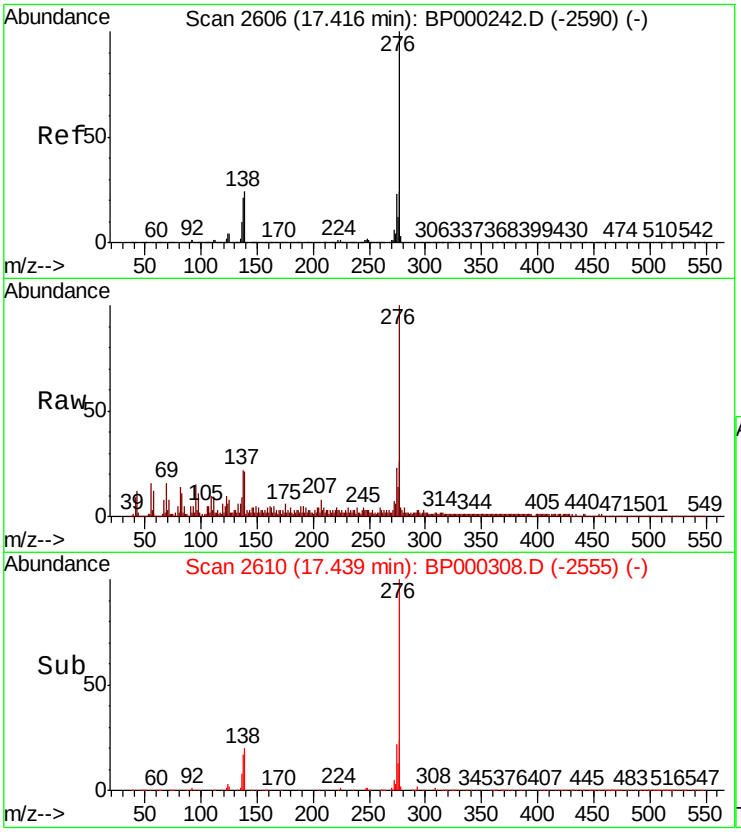


#91
Dibenzo(a,h)anthracene
Concen: 4.072 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:278 Resp: 154796

Ion	Ratio	Lower	Upper
278	100		
139	25.1	14.5	21.7#
279	34.8	19.0	28.6#

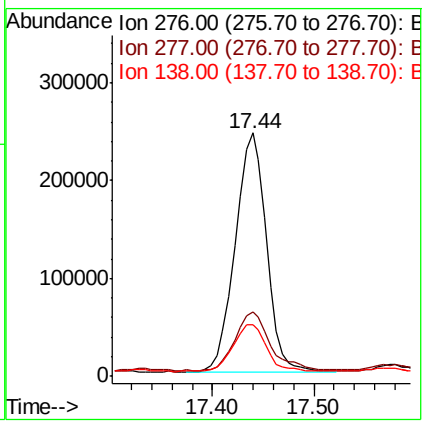




#92
Benzo(g,h,i)perylene
Concen: 13.384 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BP000308.D
Acq: 18 Sep 2019 19:38

Tgt Ion:276 Resp: 523014

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.1	28.7
138	21.4	19.5	29.3



Instrument :
BNA_P
ClientSampleId :
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