Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110289.D
Acq On : 30 Oct 2018 3:36
Operator : JU/SJ
Sample : J5696-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DL-SED-01

Manual Integrations APPROVED
Sohil
10/30/2018 3:04:39 PM

Quant Time: Oct 30 09:21:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	88501	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	314972	20.00	ng		0.00
39) Acenaphthene-d10	10.02	164	122880	20.00	ng		0.00
64) Phenanthrene-d10	11.51	188	206030	20.00	ng		0.00
76) Chrysene-d12	14.16	240	135738	20.00	ng		0.00
87) Perylene-d12	15.70	264	99690	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	541962	99.72	ng		0.01
7) Phenol-d6	6.60	99	651615	93.74	ng		0.00
23) Nitrobenzene-d5	7.53	82	374565	70.54	ng		0.00
42) 2,4,6-Tribromophenol	10.81	330	91038	74.79	ng		0.00
45) 2-Fluorobiphenyl	9.33	172	501059	64.03	ng		0.00
79) Terphenyl-d14	13.09	244	352740	54.05	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.61	94	39074	5.259	ng	#	66
50) Dimethylphthalate	9.72	163	83982	9.259	ng		99
71) Phenanthrene	11.53	178	192566	17.863	ng		99
72) Anthracene	11.59	178	47090	4.358	ng		98
73) Carbazole	11.74	167	28378	2.690	ng		95
75) Fluoranthene	12.73	202	378111	34.559	ng		99
78) Pyrene	12.96	202	317851	32.663	ng		98
81) Benzo(a)anthracene	14.15	228	129729	16.116	ng		96
83) Chrysene	14.19	228	138628	18.132	ng		98
84) Bis(2-ethylhexyl)phthalate	14.12	149	68090	11.925	ng	#	97
86) Indeno(1,2,3-cd)pyrene	17.27	276	54967	8.666	ng		97
88) Benzo(b)fluoranthene	15.24	252	146252m	25.405	ng		
89) Benzo(k)fluoranthene	15.26	252	46946m	8.295	ng		
90) Benzo(a)pyrene	15.63	252	89511	16.898	ng	#	96
91) Dibenzo(a,h)anthracene	17.28	278	14237	3.115	ng	#	78
92) Benzo(g,h,i)perylene	17.76	276	56651	12.578	ng	#	93

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

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Manual Integrations APPROVED
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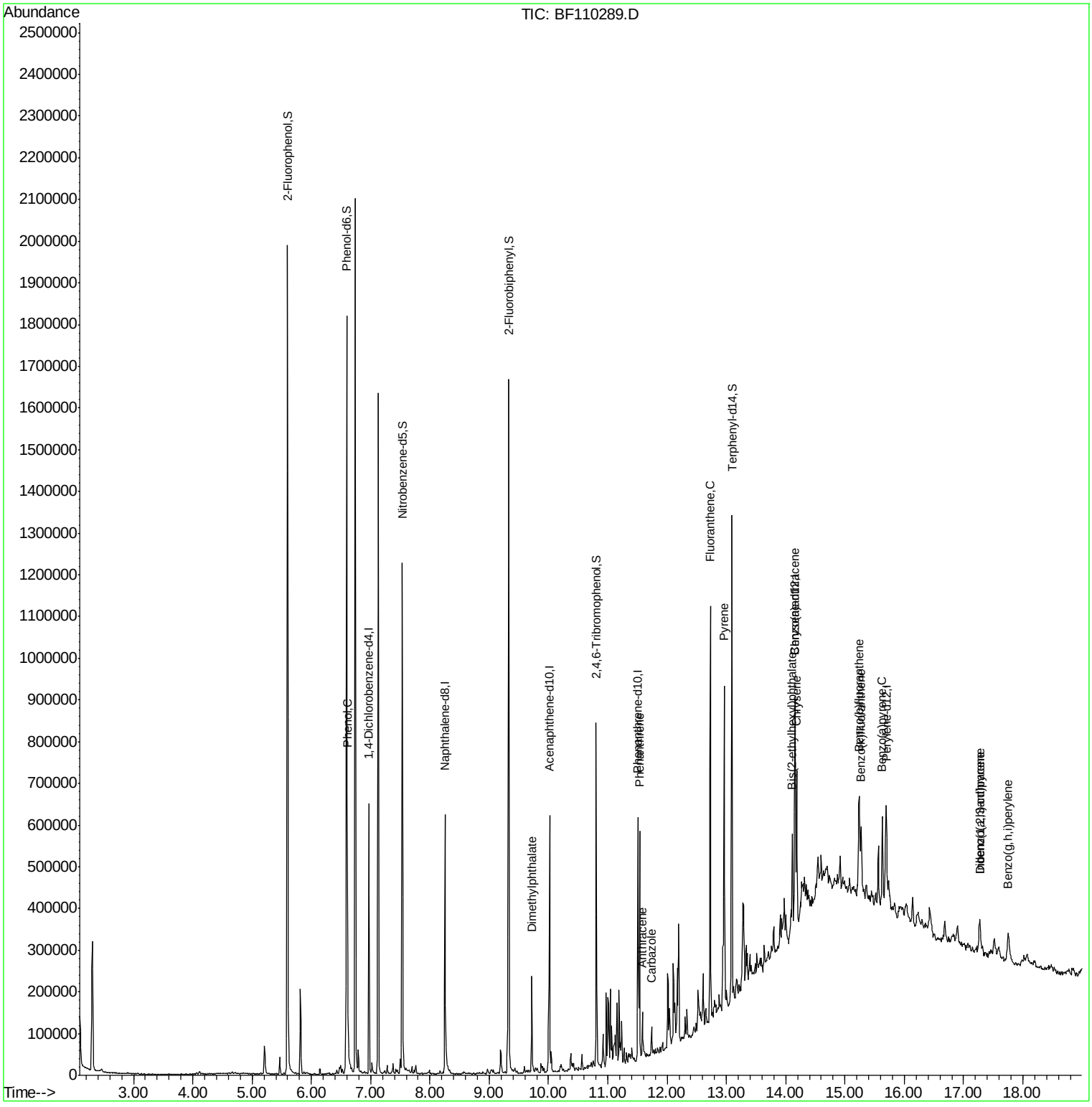
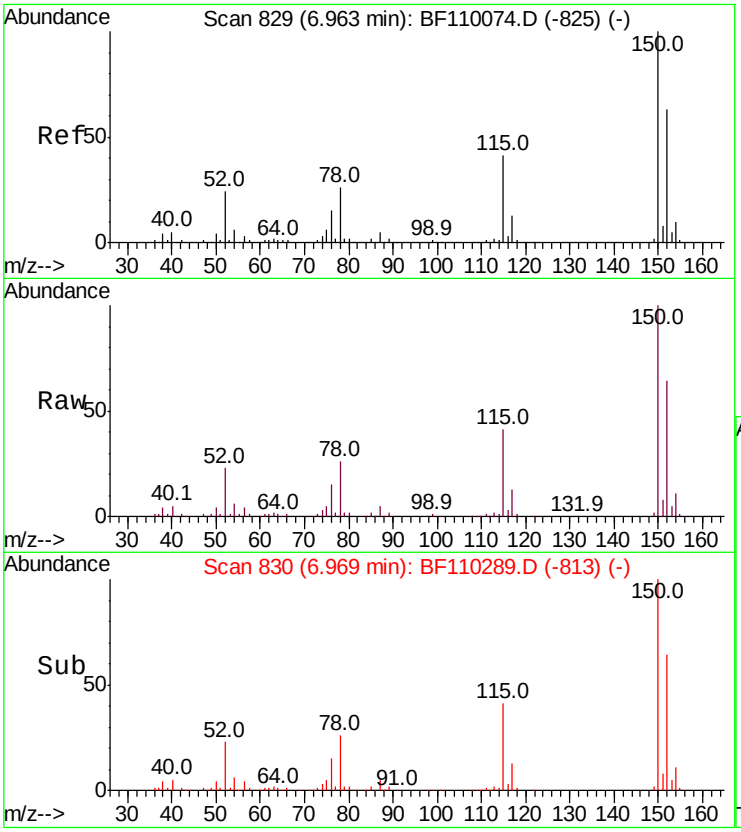
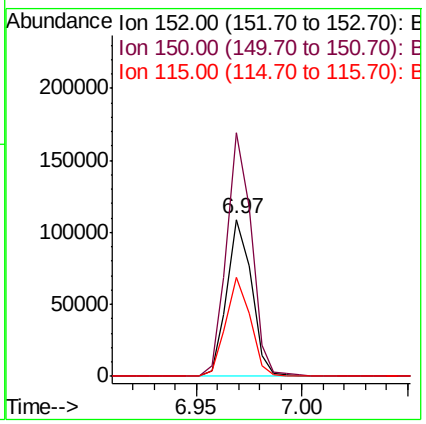




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:152 Resp: 88501

Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.7	184.1
115	63.1	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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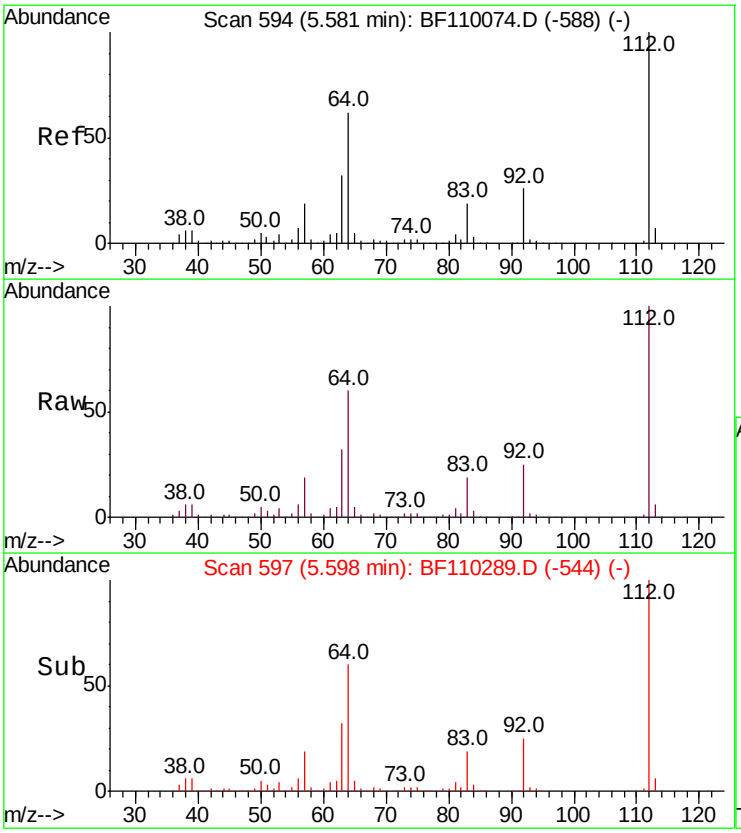
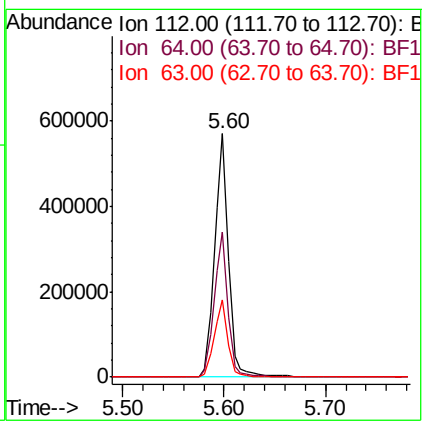
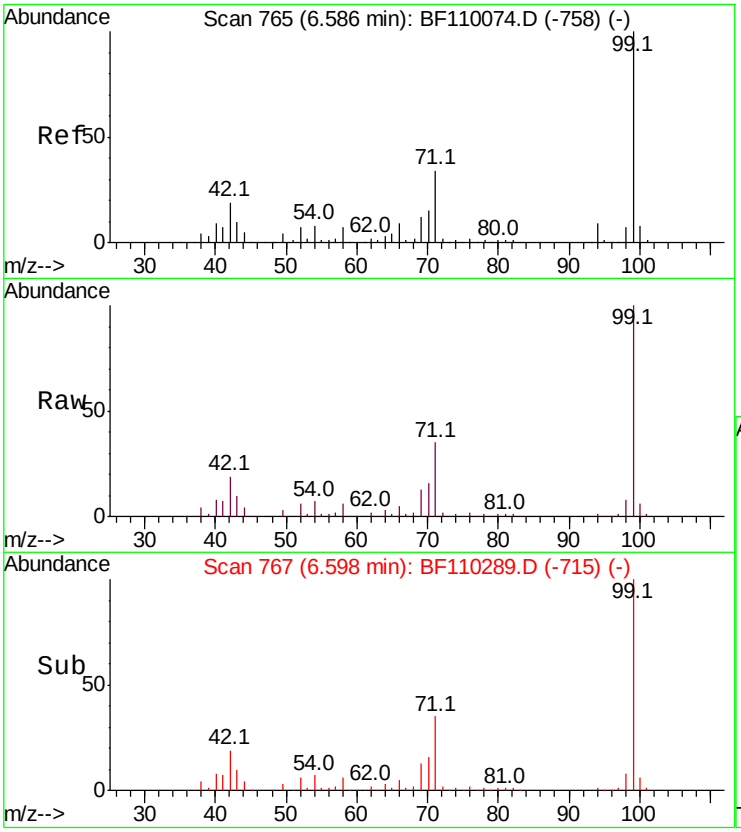


#5
2-Fluorophenol
Concen: 99.723 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:112 Resp: 541962

Ion	Ratio	Lower	Upper
112	100		
64	59.6	44.1	66.1
63	32.0	23.7	35.5

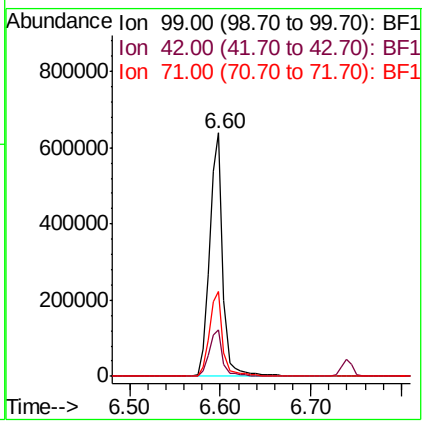




#7
Phenol-d6
Concen: 93.739 ng
RT: 6.60 min Scan# 767
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion: 99 Resp: 651615

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.8	23.6
71	34.9	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

Manual Integrations APPROVED
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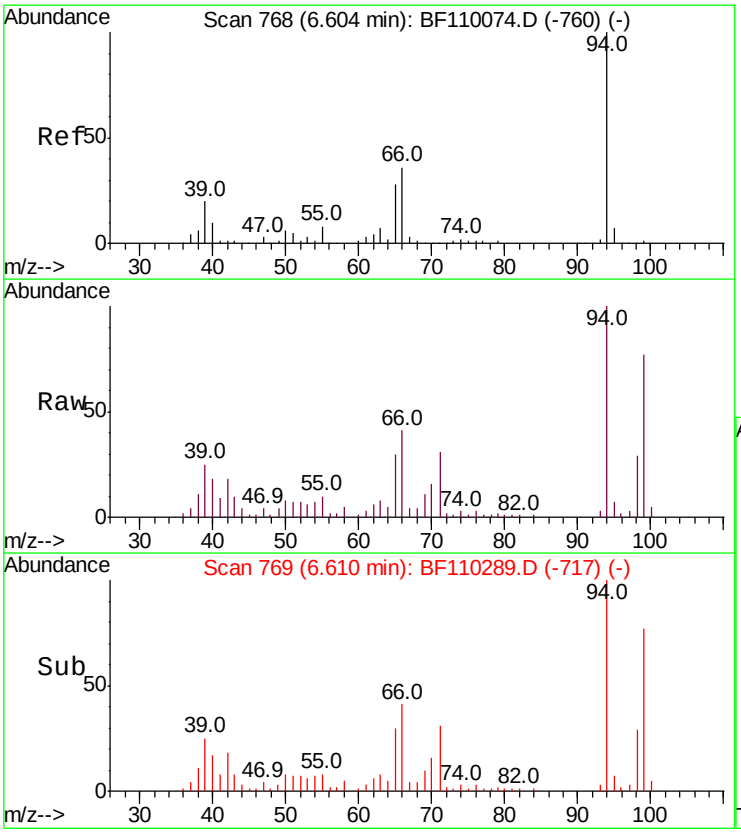
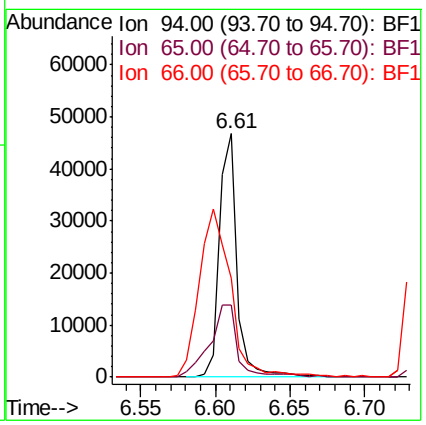
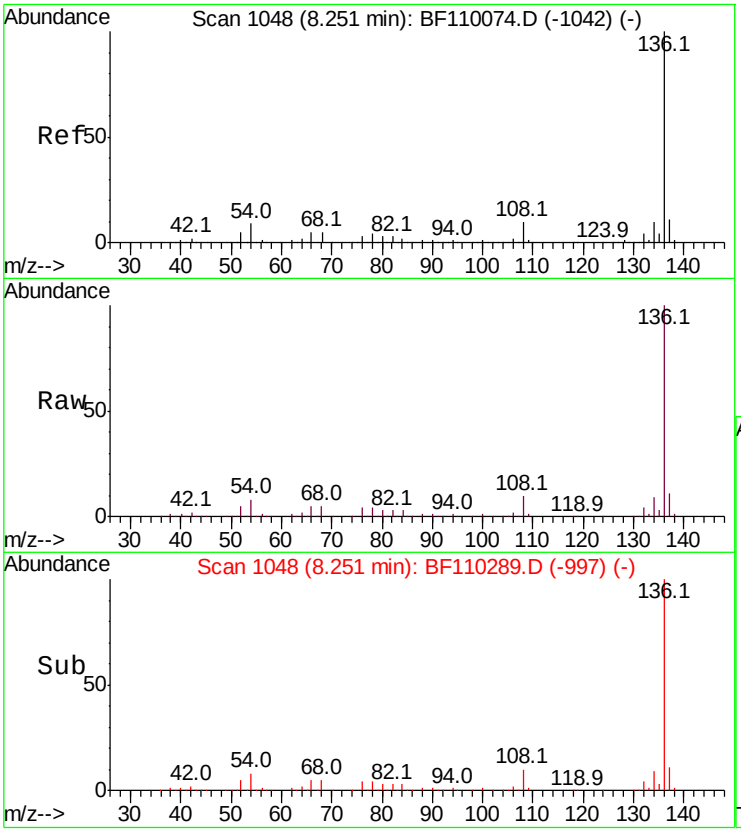


#10
Phenol
Concen: 5.259 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion: 94 Resp: 39074

Ion	Ratio	Lower	Upper
94	100		
65	29.8	25.3	65.3
66	40.7	54.5	94.5#

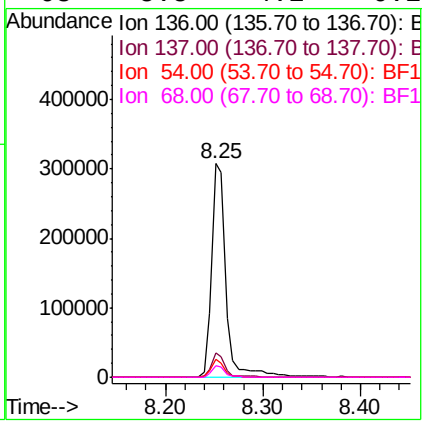




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:136 Resp: 314972

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.5	5.4	8.2#
68	5.5	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

Manual Integrations APPROVED
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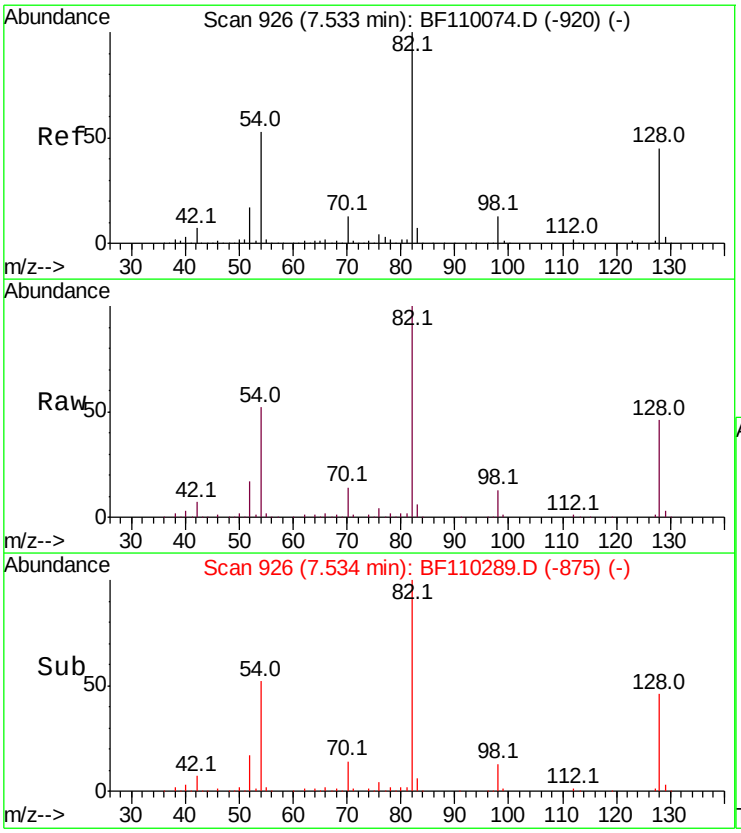
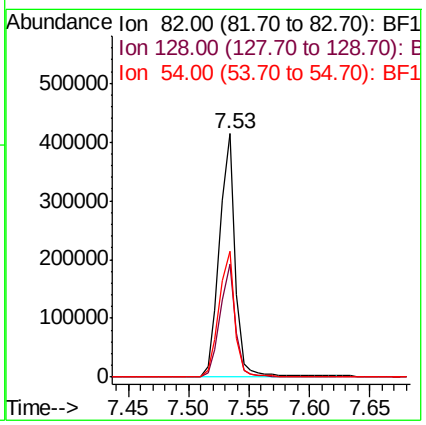
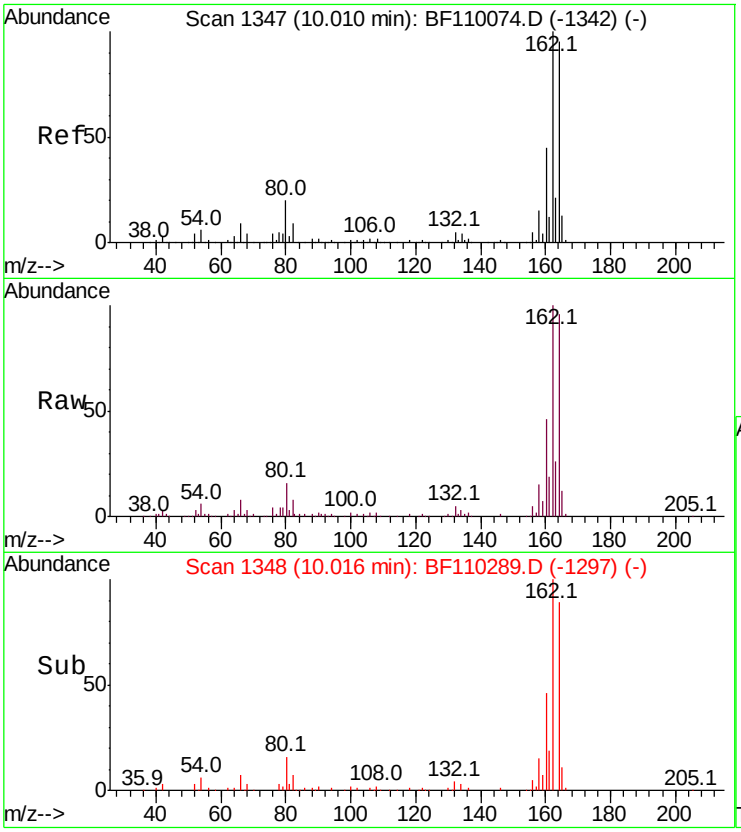


#23
Nitrobenzene-d5
Concen: 70.535 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion: 82 Resp: 374565

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.2	51.2
54	51.9	38.6	58.0

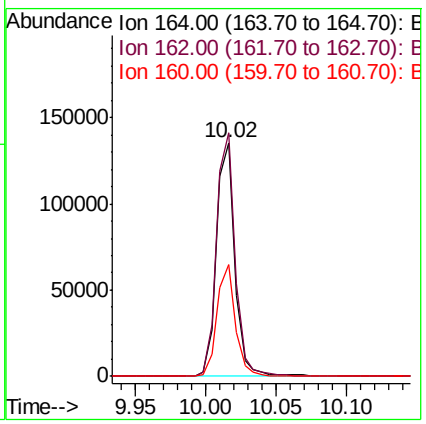




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:164 Resp: 122880

Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.0	124.6
160	47.6	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

Manual Integrations APPROVED
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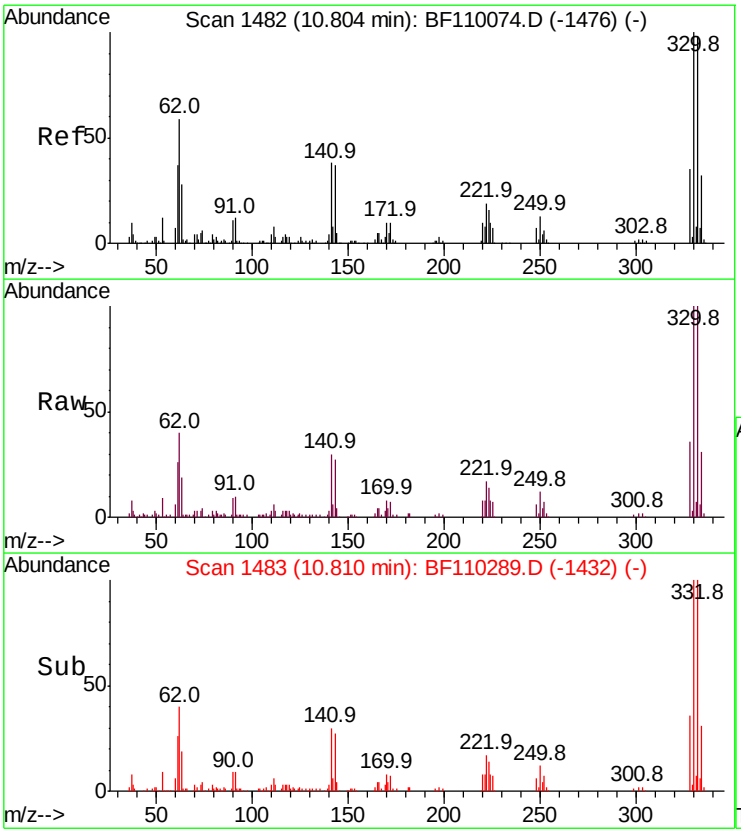
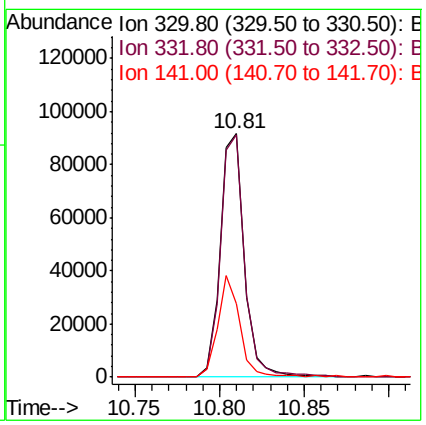
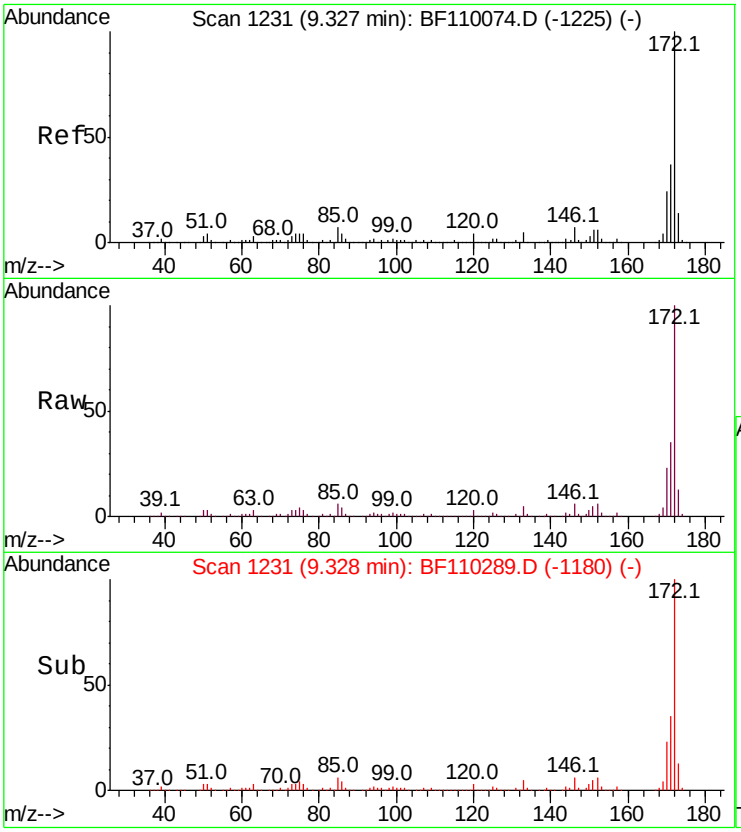


#42
2,4,6-Tribromophenol
Concen: 74.792 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:330 Resp: 91038

Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.1	115.7
141	38.7	27.0	40.4

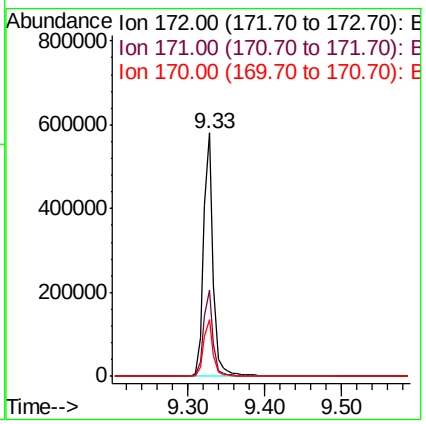




#45
2-Fluorobiphenyl
Concen: 64.029 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:172 Resp: 501059

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.2	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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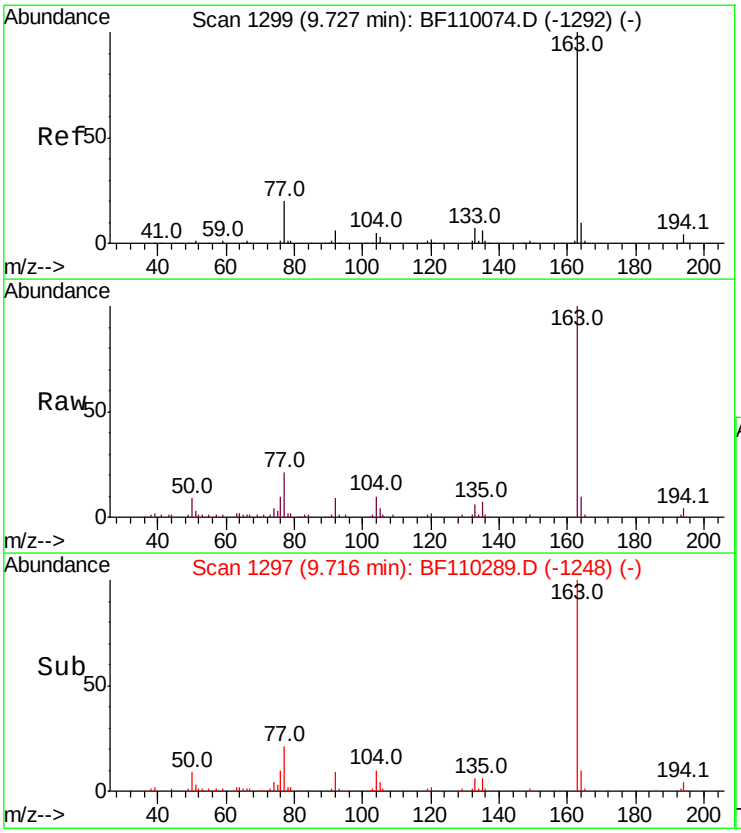
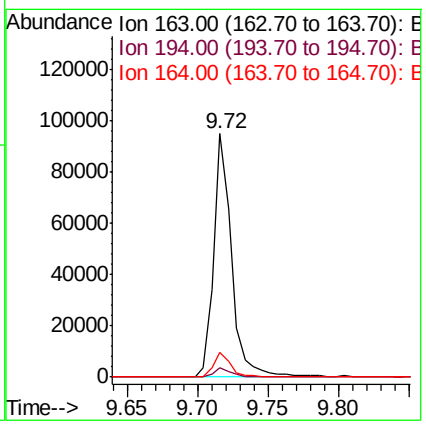
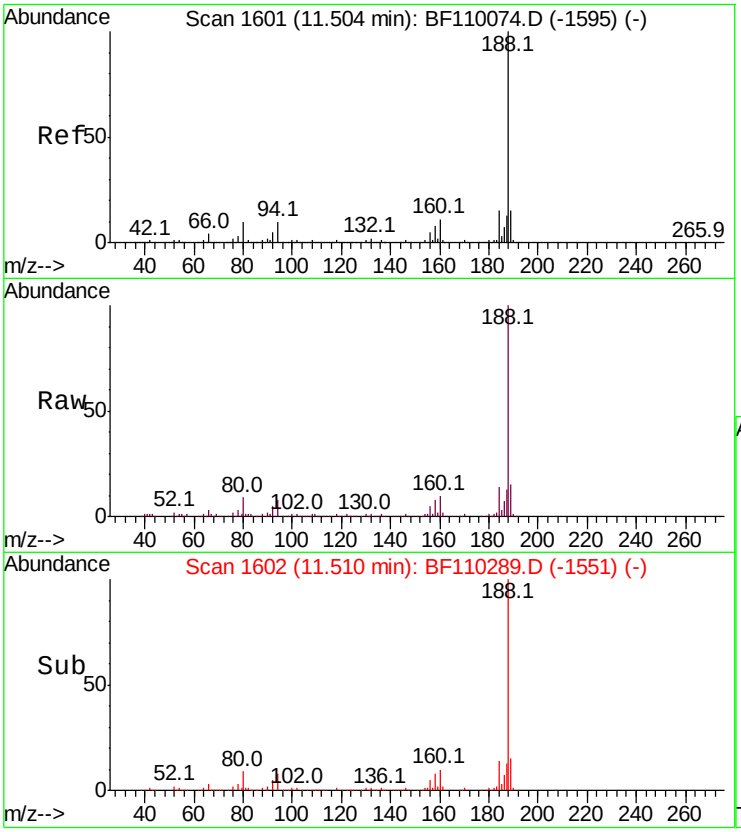


#50
Dimethylphthalate
Concen: 9.259 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:163 Resp: 83982

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	10.4	8.1	12.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:188 Resp: 206030

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	8.6	7.9	11.9

Instrument :
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ClientSampleId :
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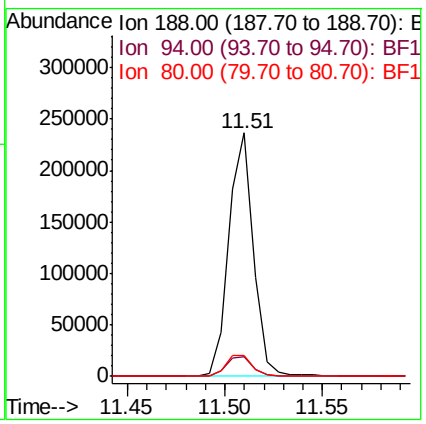
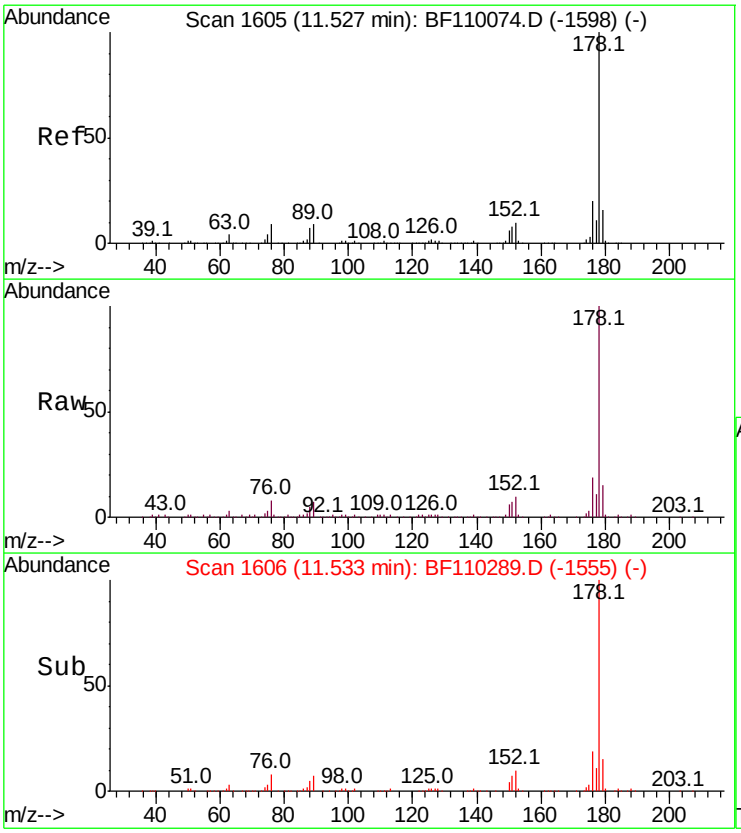
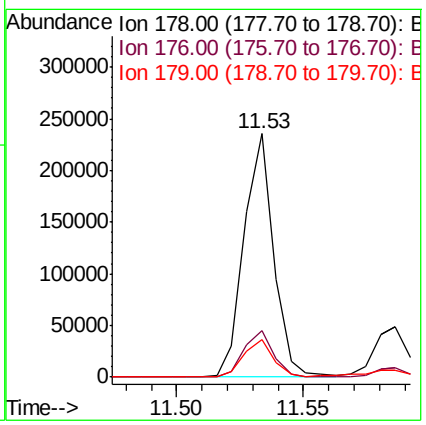


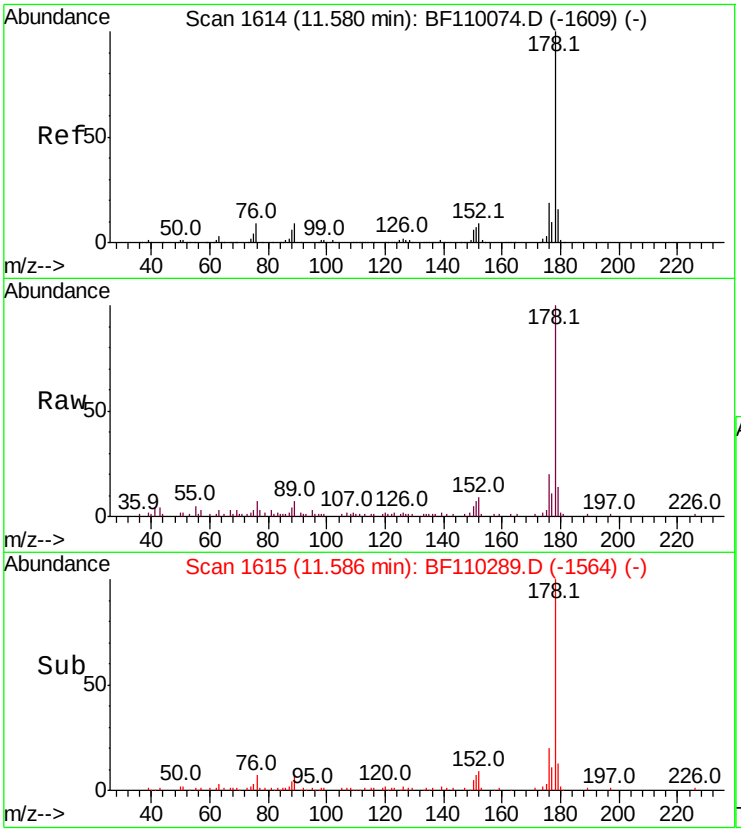


#71
Phenanthrene
Concen: 17.863 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:178 Resp: 192566

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.2	12.5	18.7

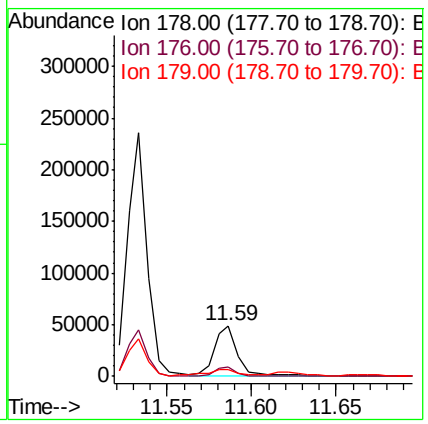




#72
Anthracene
Concen: 4.358 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:178 Resp: 47090

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	14.0	12.6	18.8



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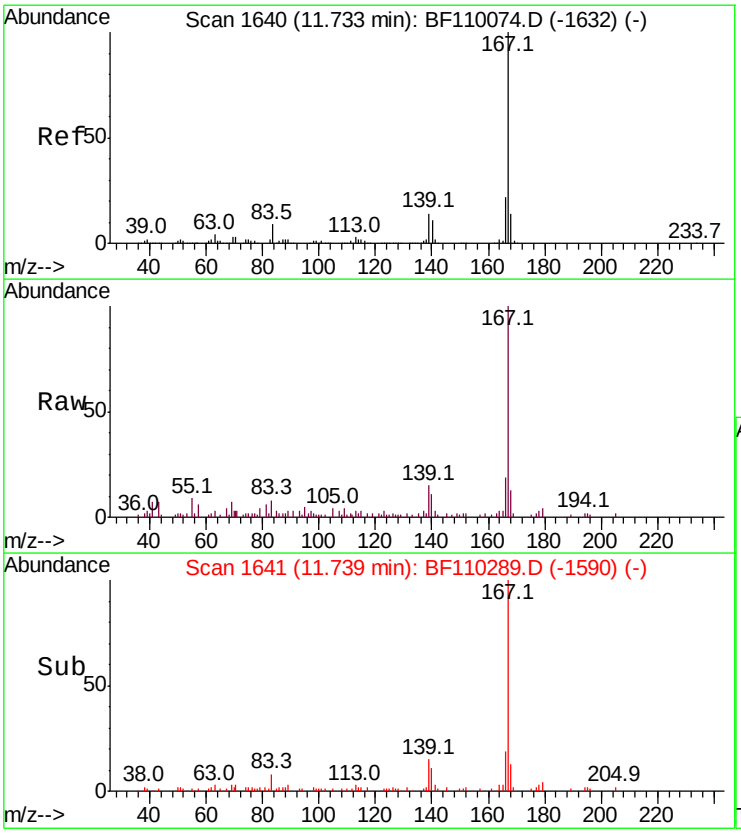
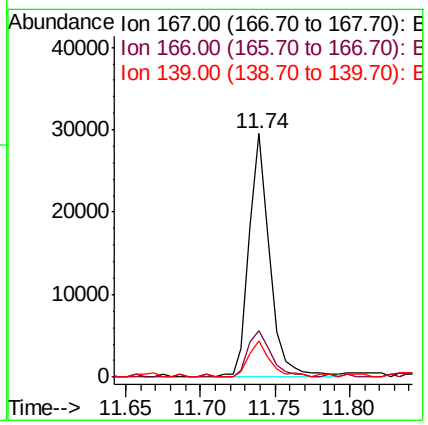
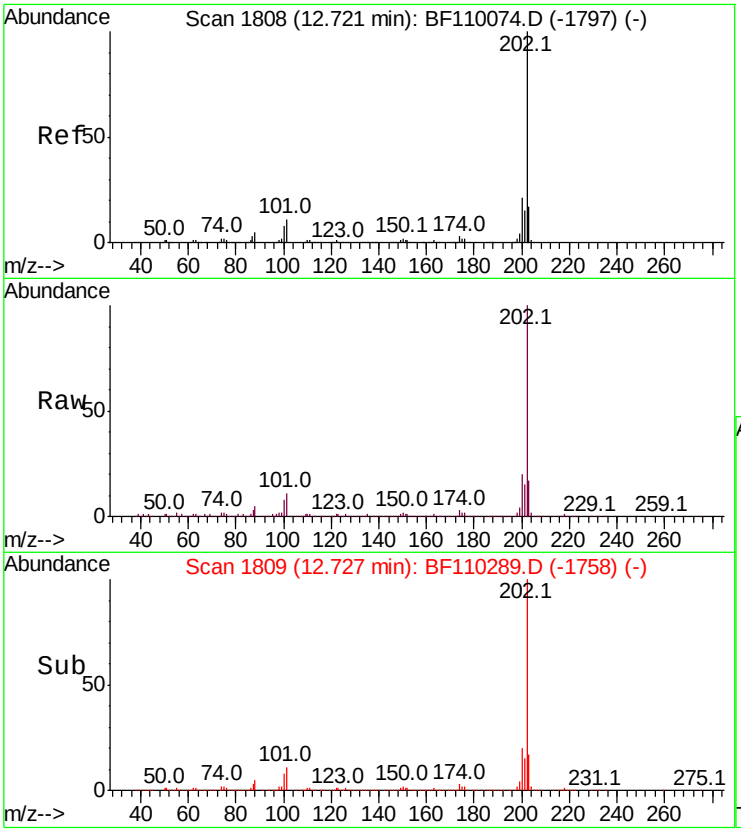


#73
Carbazole
Concen: 2.690 ng
RT: 11.74 min Scan# 1641
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:167 Resp: 28378

Ion	Ratio	Lower	Upper
167	100		
166	19.2	17.4	26.0
139	14.9	10.9	16.3

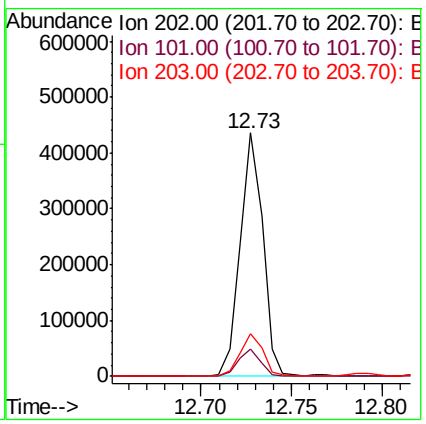




#75
Fluoranthene
Concen: 34.559 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:202 Resp: 378111

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.4	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

Manual Integrations APPROVED
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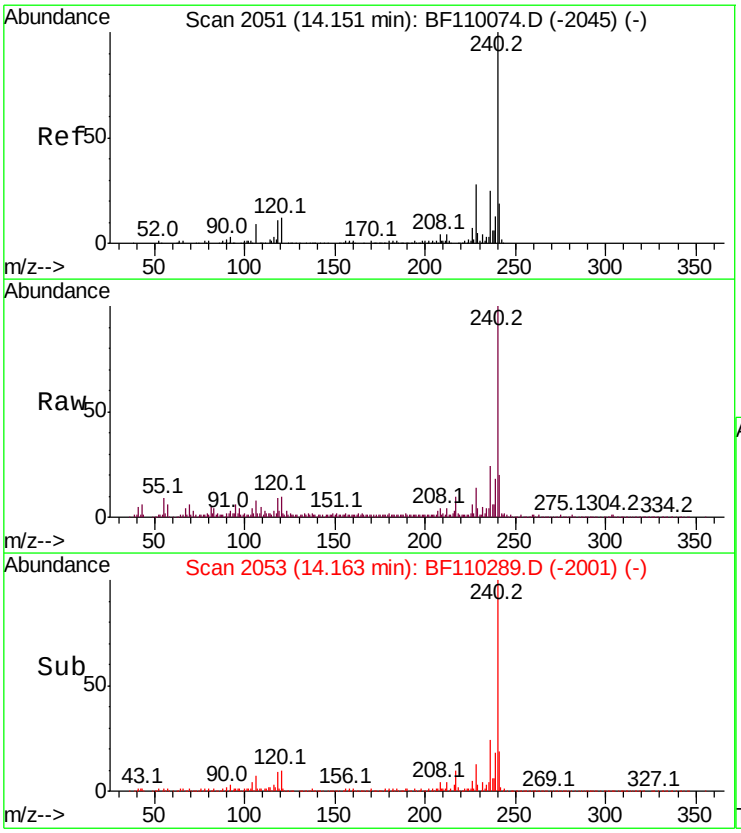
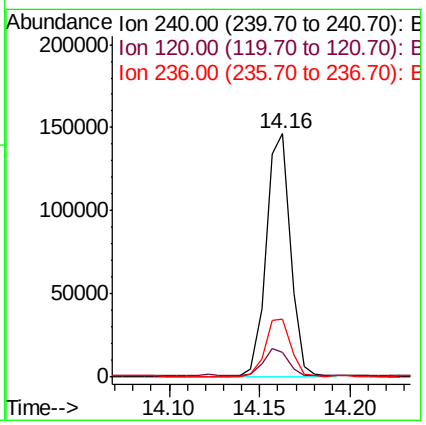
10/30/2018 3:04:39 PM

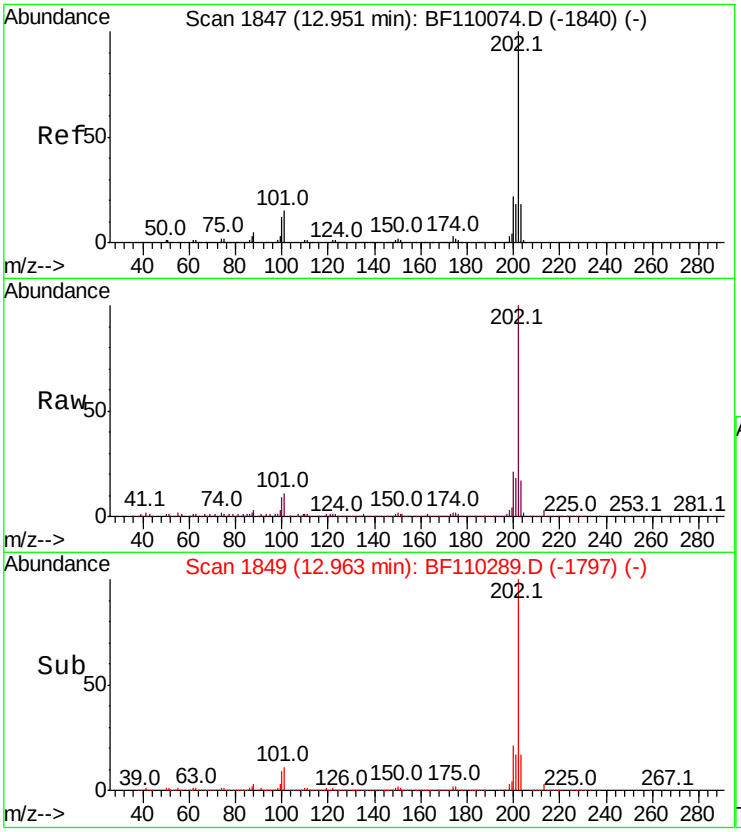


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:240 Resp: 135738

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.3	12.5
236	24.1	21.2	31.8

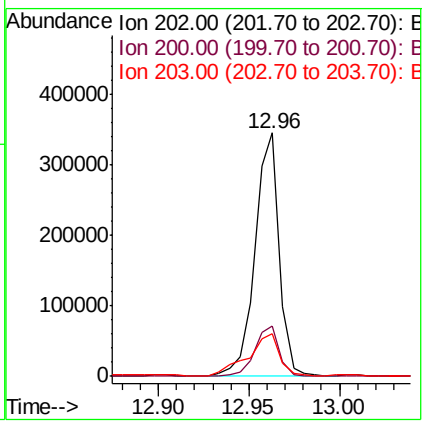




#78
Pyrene
Concen: 32.663 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:202 Resp: 317851

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	17.5	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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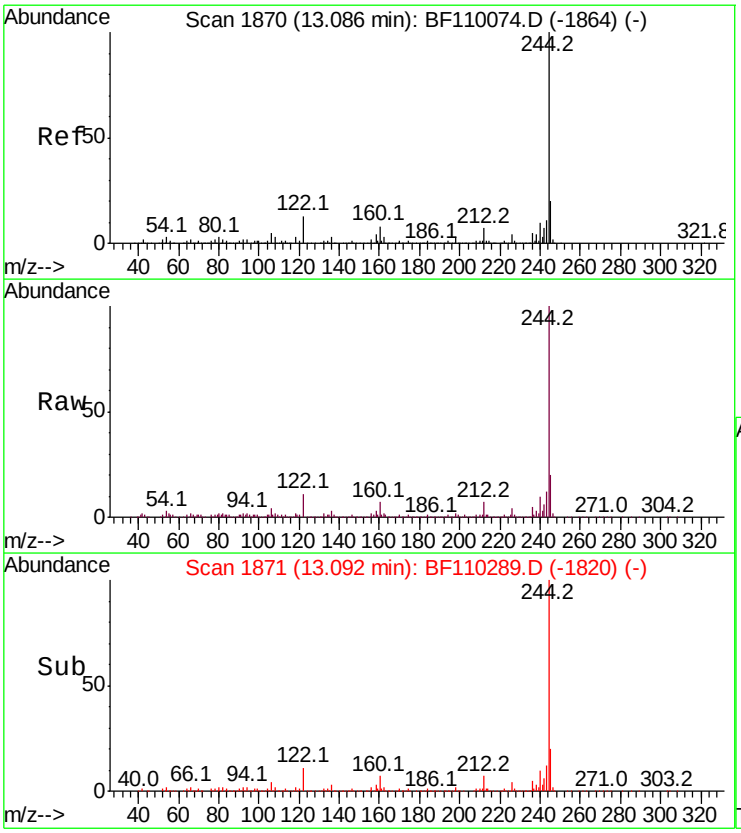
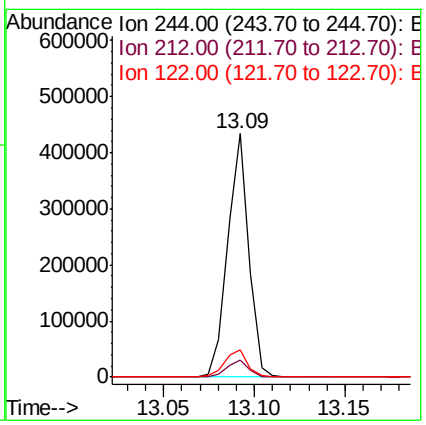
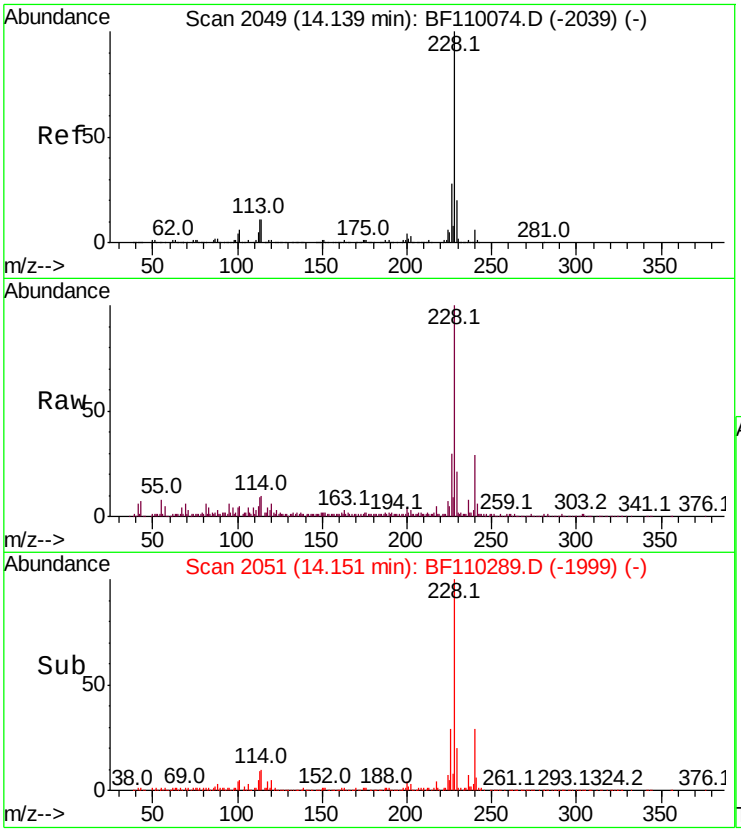


#79
Terphenyl-d14
Concen: 54.045 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:244 Resp: 352740

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.0	8.7	13.1

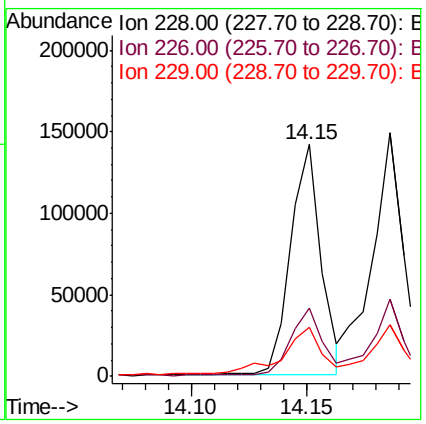




#81
Benzo(a)anthracene
Concen: 16.116 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:228 Resp: 129729

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	21.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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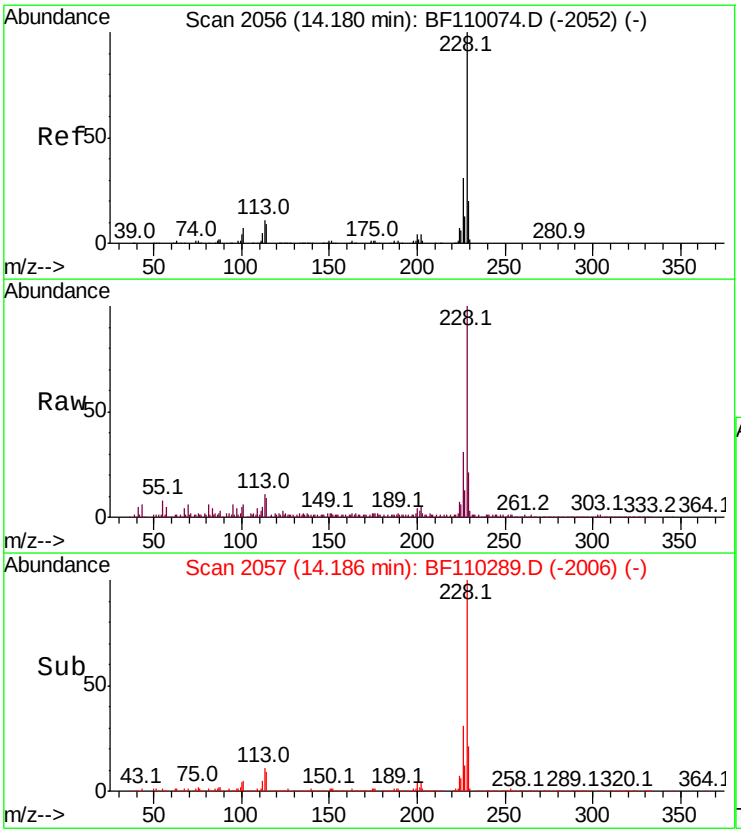
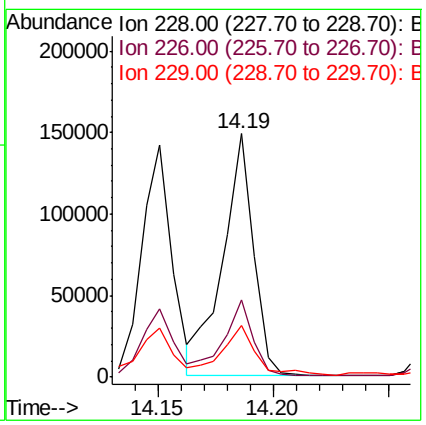
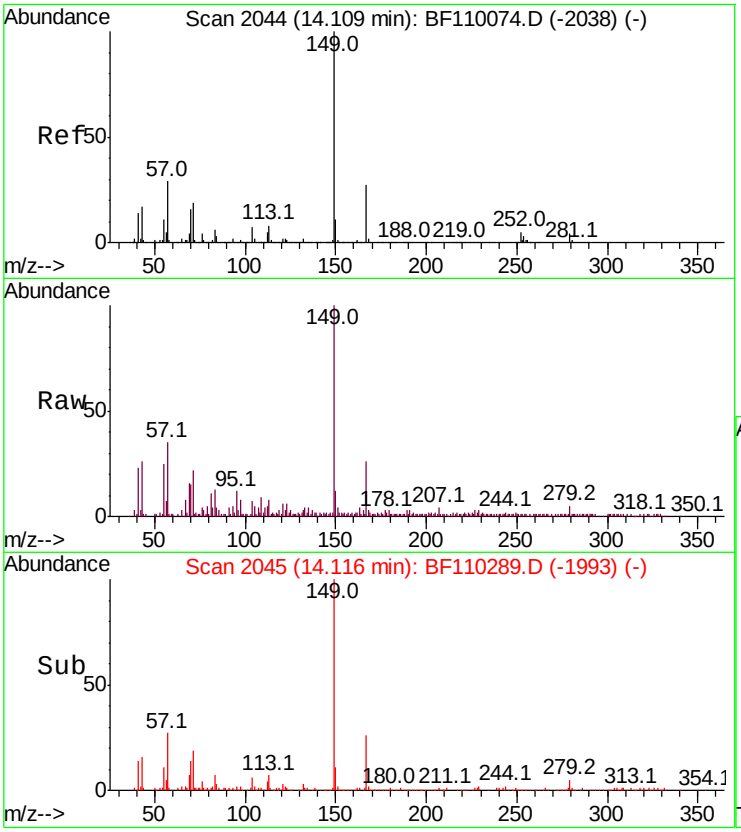


#83
Chrysene
Concen: 18.132 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:228 Resp: 138628

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.7	37.1
229	21.5	15.9	23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 11.925 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:149 Resp: 68090

Ion	Ratio	Lower	Upper
149	100		
167	26.1	19.8	29.8
279	5.1	2.7	4.1#

Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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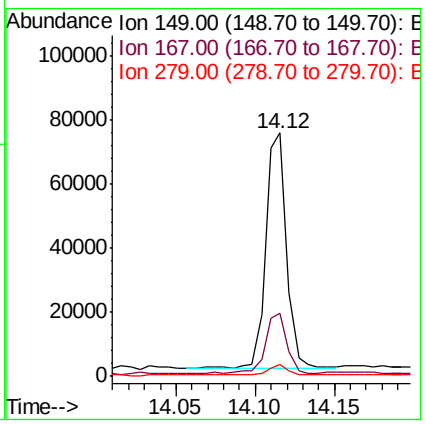
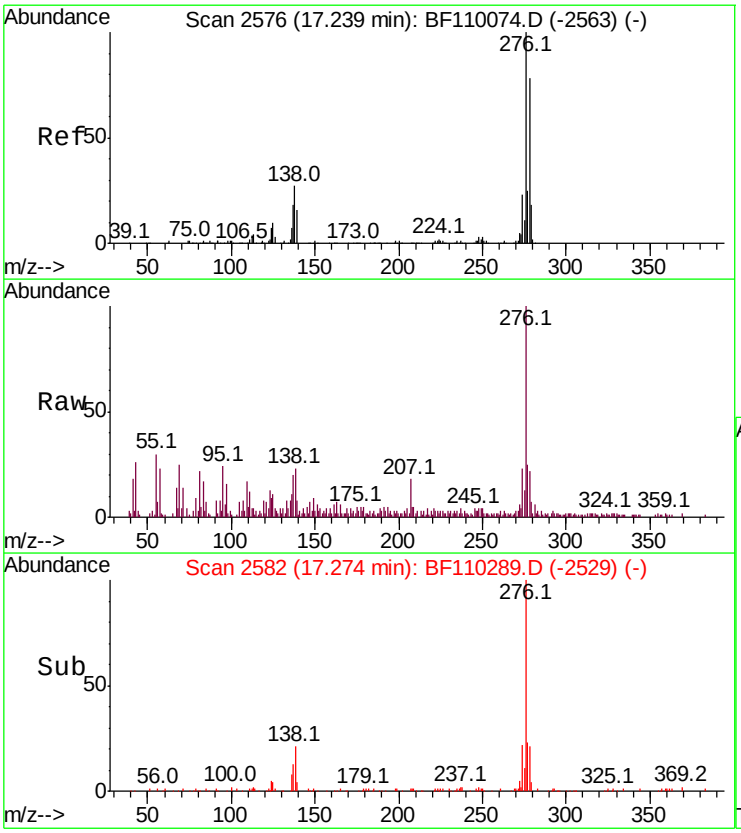
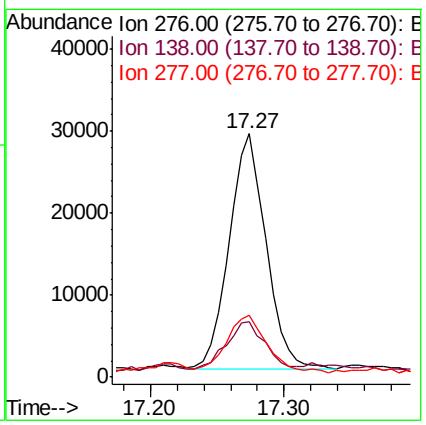


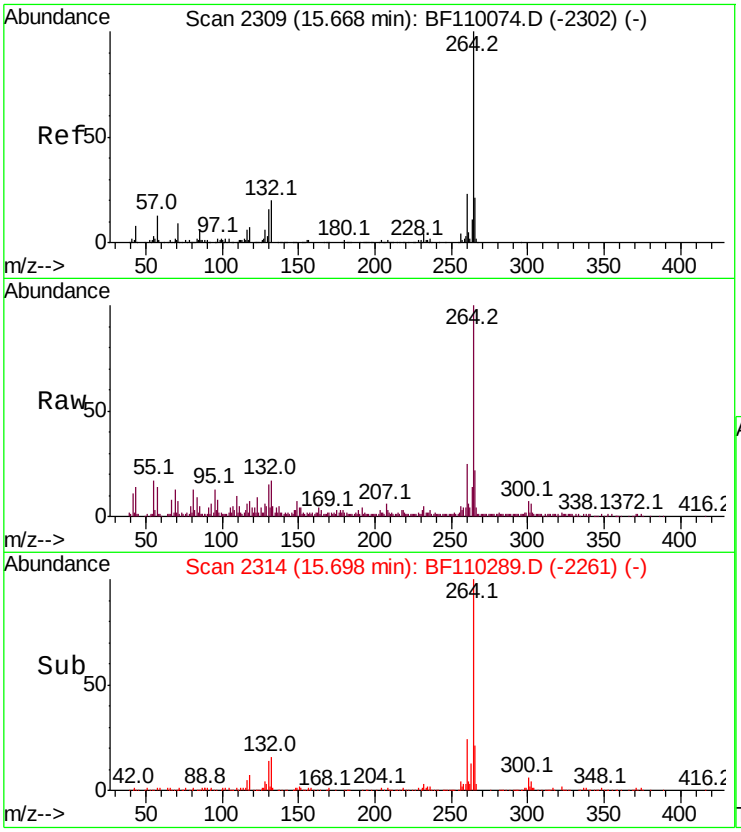


#86
Indeno(1,2,3-cd)pyrene
Concen: 8.666 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:276 Resp: 54967

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.5	27.7
277	27.5	20.0	30.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:264 Resp: 99690

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.5	16.7	25.1

Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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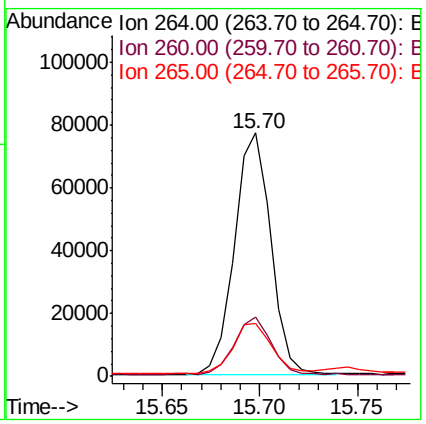
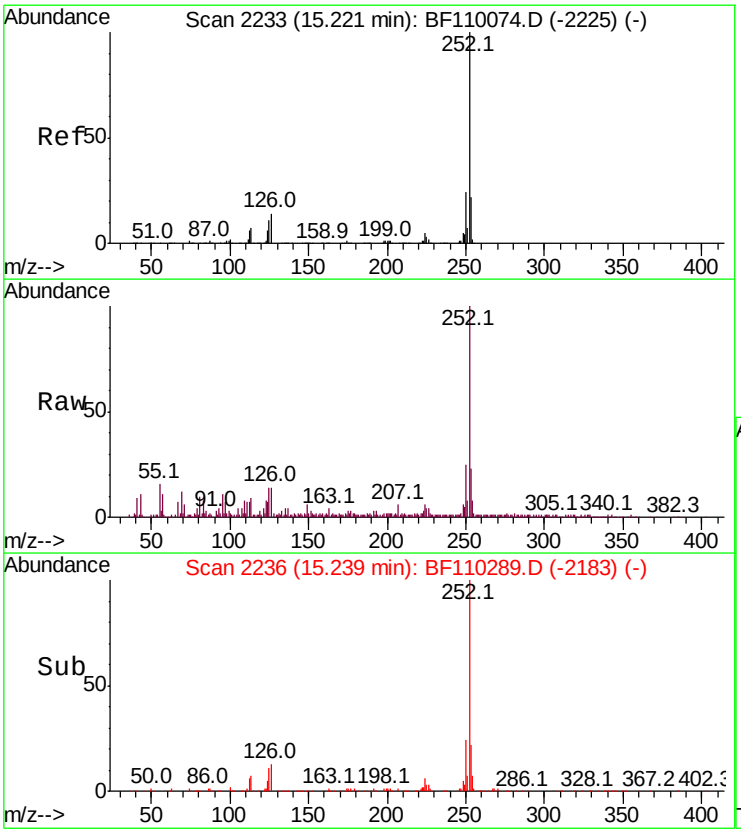
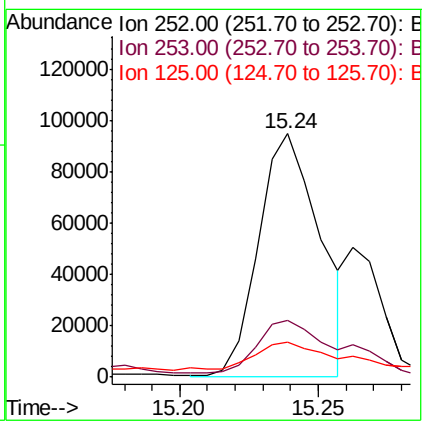


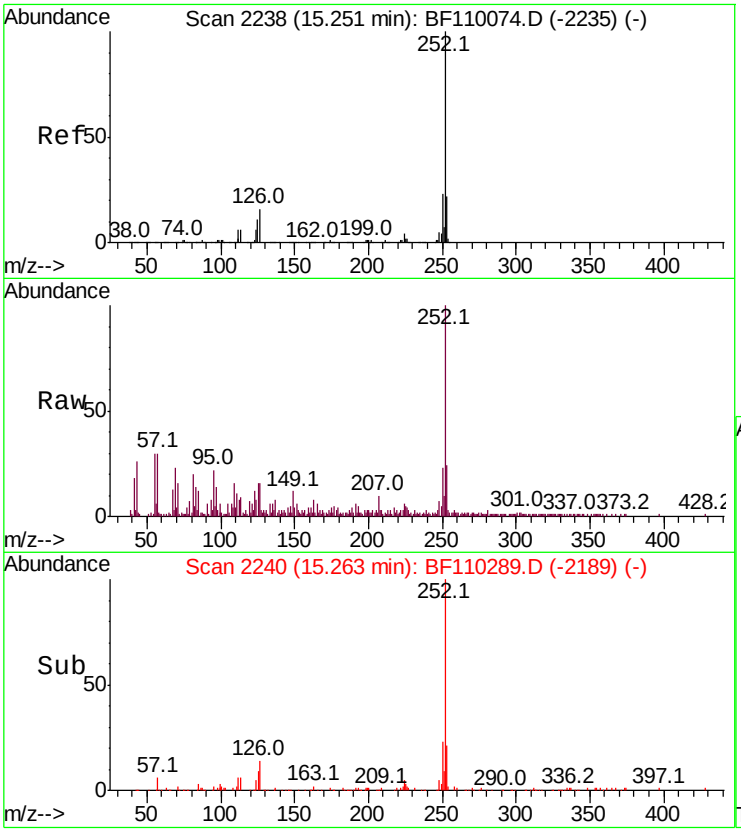


#88
Benzo(b)fluoranthene
Concen: 25.405 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:252 Resp: 146252

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	14.2	8.2	12.4#





#89
Benzo(k)fluoranthene
Concen: 8.295 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:252 Resp: 46946

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	15.7	7.4	11.0#

Instrument :
BNA_F
ClientSampleId :
DL-SED-01

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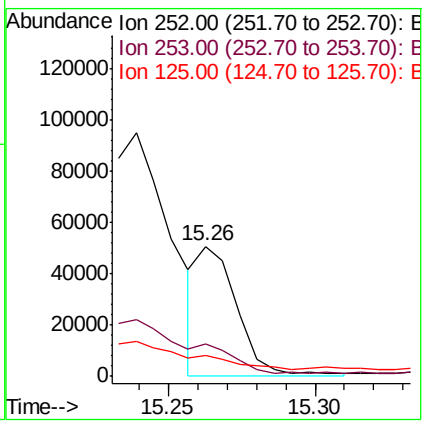
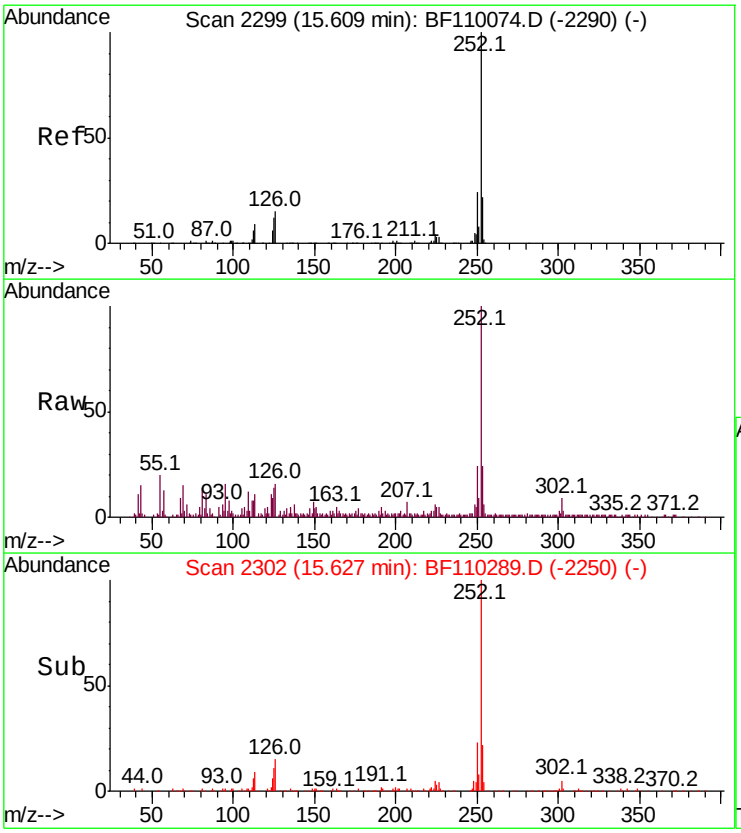
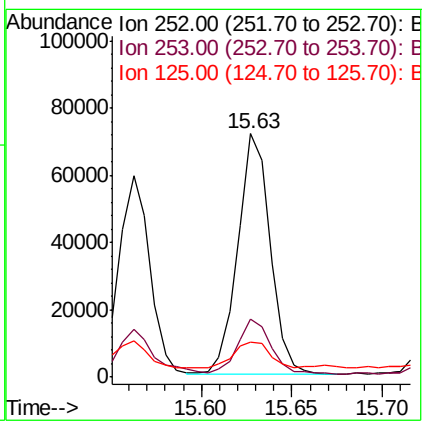


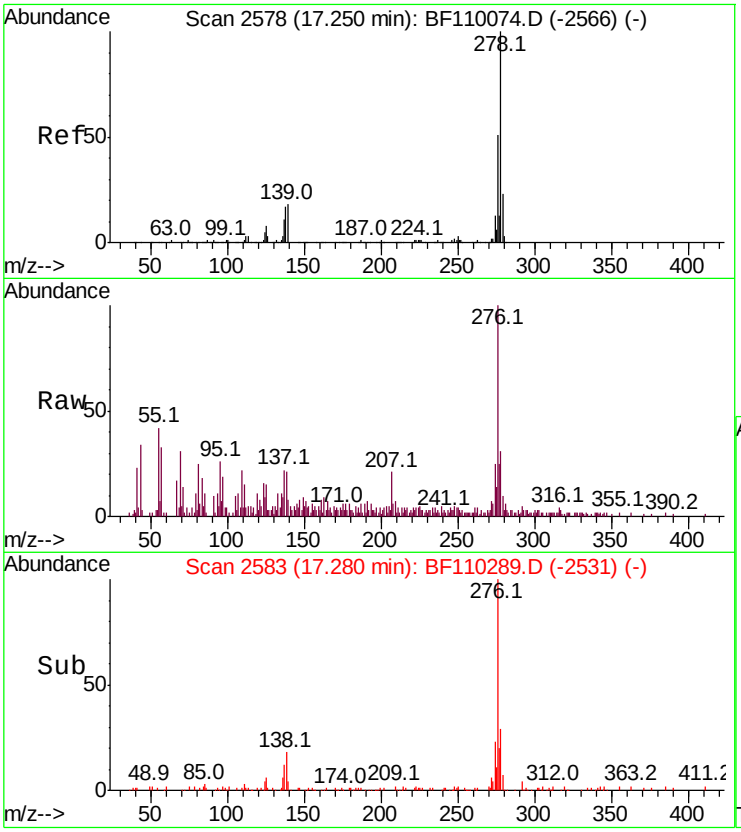


#90
Benzo(a)pyrene
Concen: 16.898 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:252 Resp: 89511

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	14.3	9.0	13.6#





#91
Dibenzo(a,h)anthracene
Concen: 3.115 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.01 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:278 Resp: 14237

Ion	Ratio	Lower	Upper
278	100		
139	27.1	12.7	19.1#
279	32.9	19.0	28.4#

Instrument :
BNA_F
ClientSampleId :
DL-SED-01

Manual Integrations APPROVED
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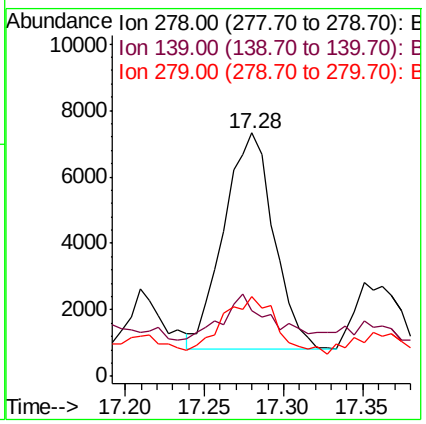

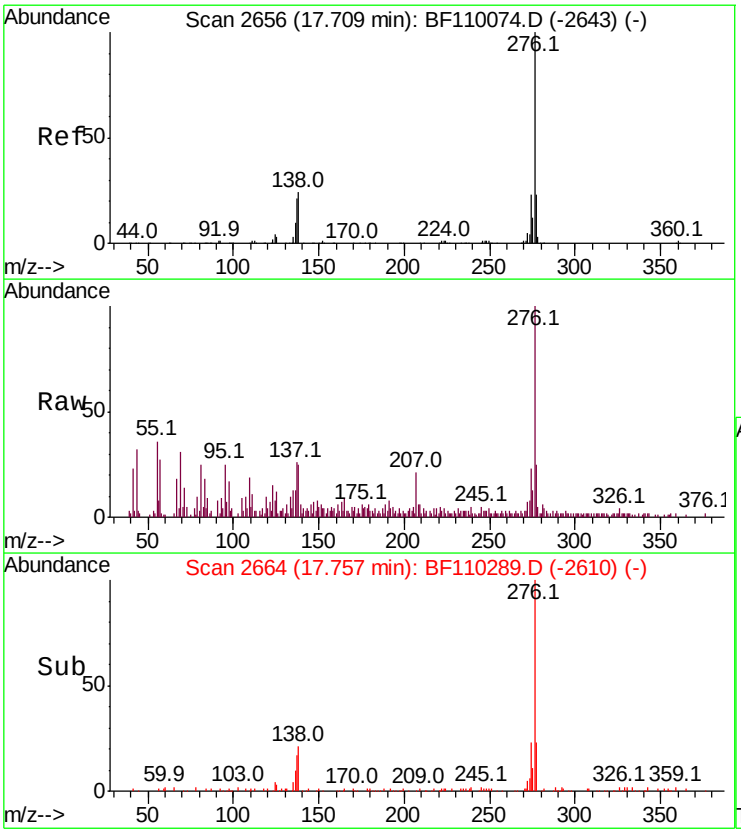

#92
Benzo(g,h,i)perylene
Concen: 12.578 ng
RT: 17.76 min Scan# 2664
Delta R.T. 0.02 min
Lab File: BF110289.D
Acq: 30 Oct 2018 3:36

Tgt Ion:276 Resp: 56651

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.8	28.2
138	25.2	16.0	24.0#