Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
Data File : BF105048.D
Acq On : 2 May 2018 23:50
Operator : JU/SJ
Sample : J2157-13DL 20X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
Sohil
5/3/2018 5:00:54 PM

Quant Time: May 03 12:48:20 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	80141	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	333878	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	143420	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	234282	20.00	ng		0.00
75) Chrysene-d12	14.02	240	195588	20.00	ng		-0.02
86) Perylene-d12	15.58	264	165403	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	19213	3.67	ng		0.00
7) Phenol-d6	6.45	99	27212	4.23	ng		0.00
23) Nitrobenzene-d5	7.37	82	16683	3.26	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	6327	4.25	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	40688	4.48	ng		0.00
78) Terphenyl-d14	12.91	244	35880	4.18	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.35	178	259799	19.913	ng		98
71) Anthracene	11.40	178	52389	3.950	ng		99
74) Fluoranthene	12.54	202	364621	26.748	ng		97
77) Pyrene	12.77	202	298222	20.570	ng		99
80) Benzo(a)anthracene	14.01	228	158810	13.591	ng		94
82) Chrysene	14.04	228	159503m	13.290	ng		
85) Indeno(1,2,3-cd)pyrene	17.06	276	59175	5.804	ng		94
87) Benzo(b)fluoranthene	15.14	252	177112m	16.954	ng		
88) Benzo(k)fluoranthene	15.17	252	59899m	6.073	ng		
89) Benzo(a)pyrene	15.52	252	111901	11.972	ng		98
90) Dibenzo(a,h)anthracene	17.06	278	19772m	2.576	ng		
91) Benzo(g,h,i)perylene	17.51	276	54932	7.386	ng	#	93

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

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Acq On : 2 May 2018 23:50
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Misc :
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Quant Time: May 03 12:48:20 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 02 17:25:18 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
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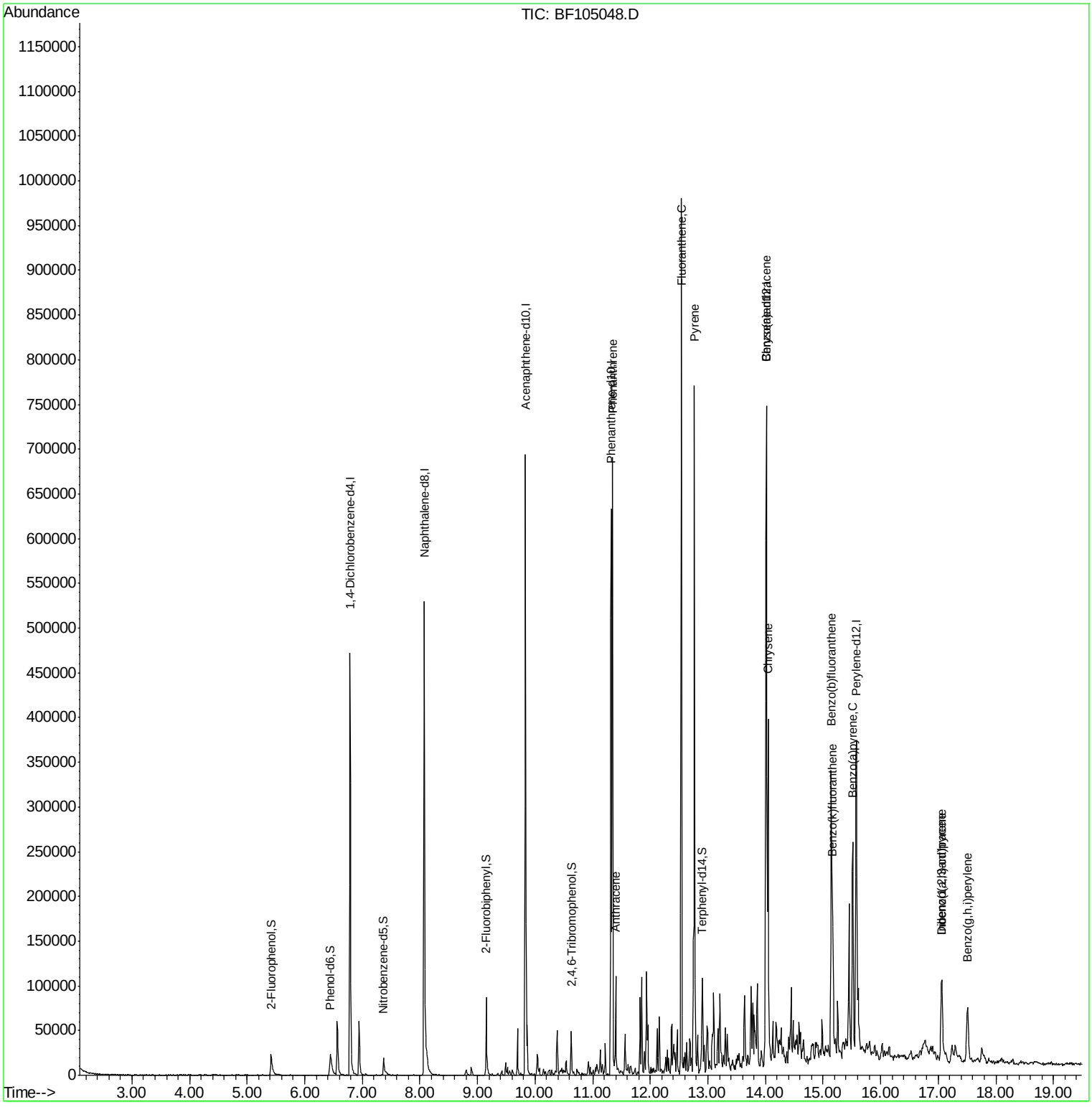
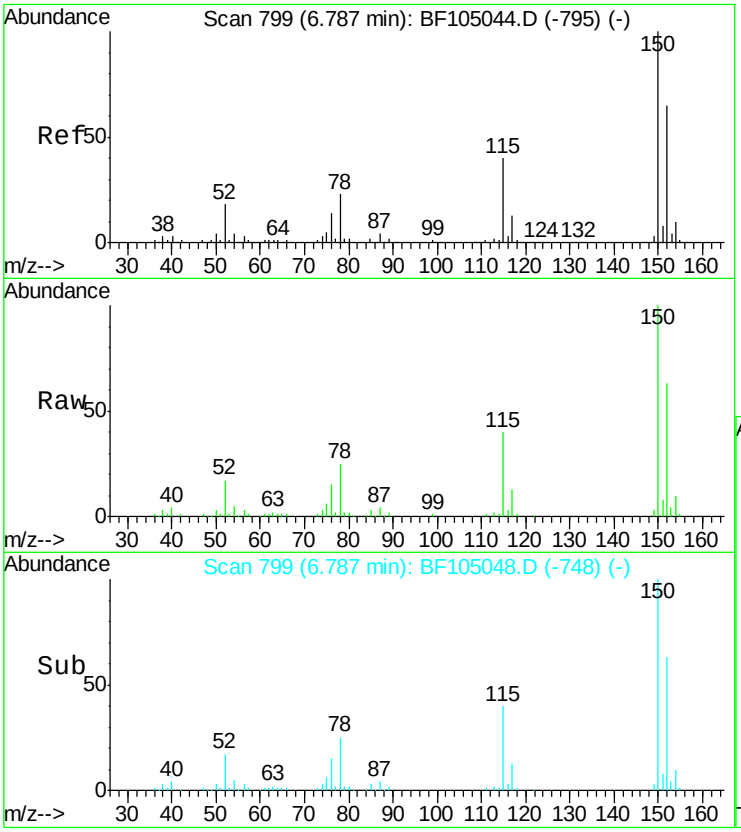
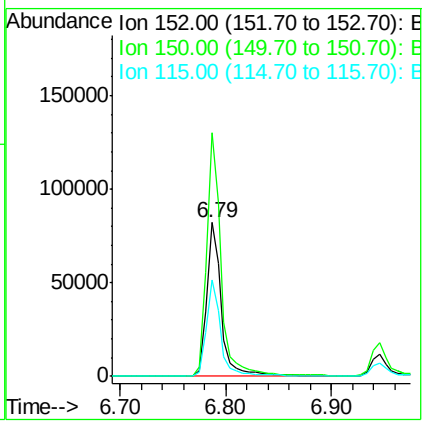




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:152 Resp: 80141

Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	63.1	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
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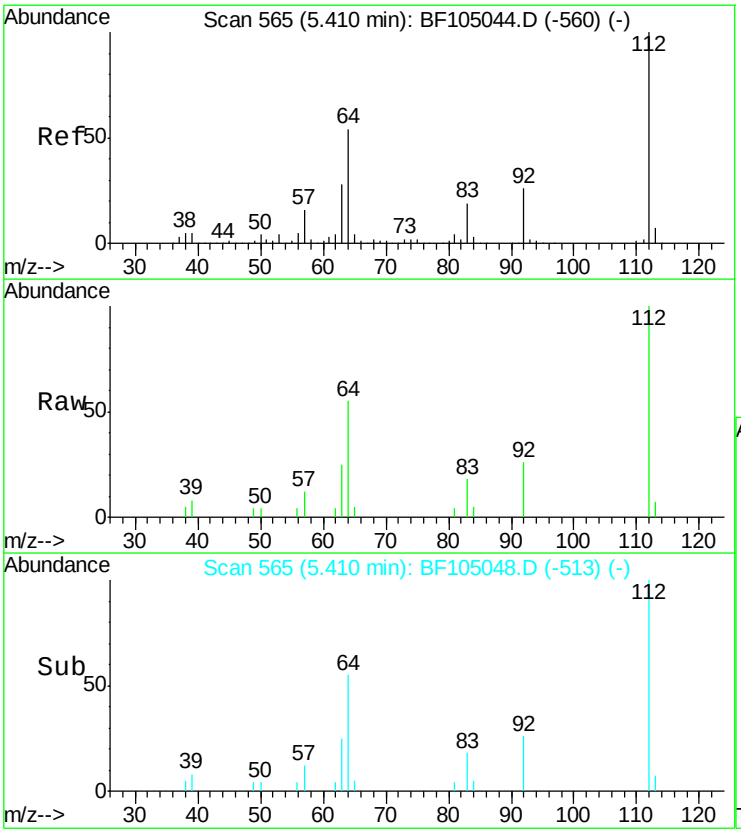
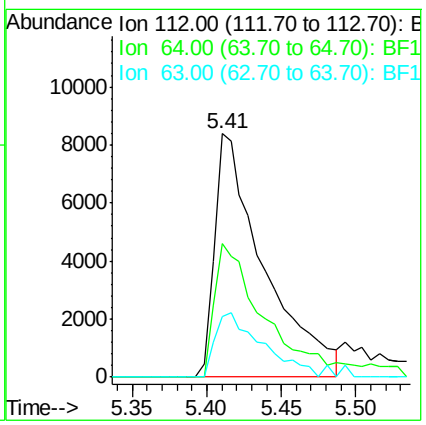
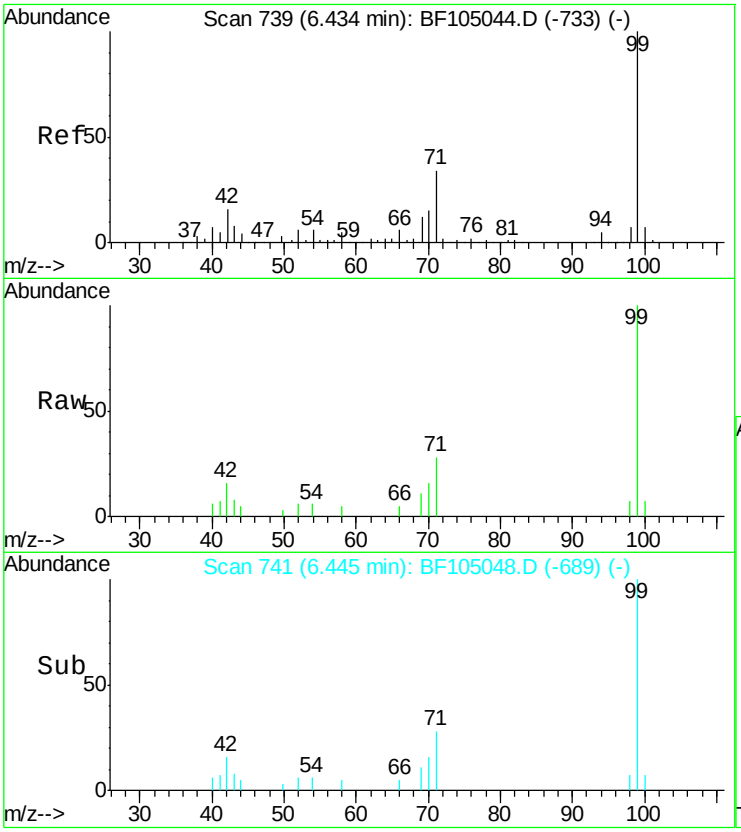


#5
2-Fluorophenol
Concen: 3.666 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:112 Resp: 19213

Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.9	71.9
63	25.1	23.7	35.5

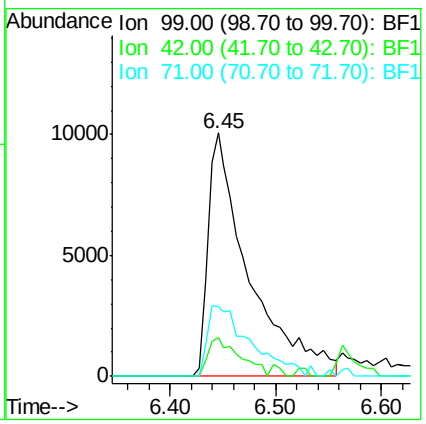




#7
Phenol-d6
Concen: 4.226 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion: 99 Resp: 27212

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	28.4	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
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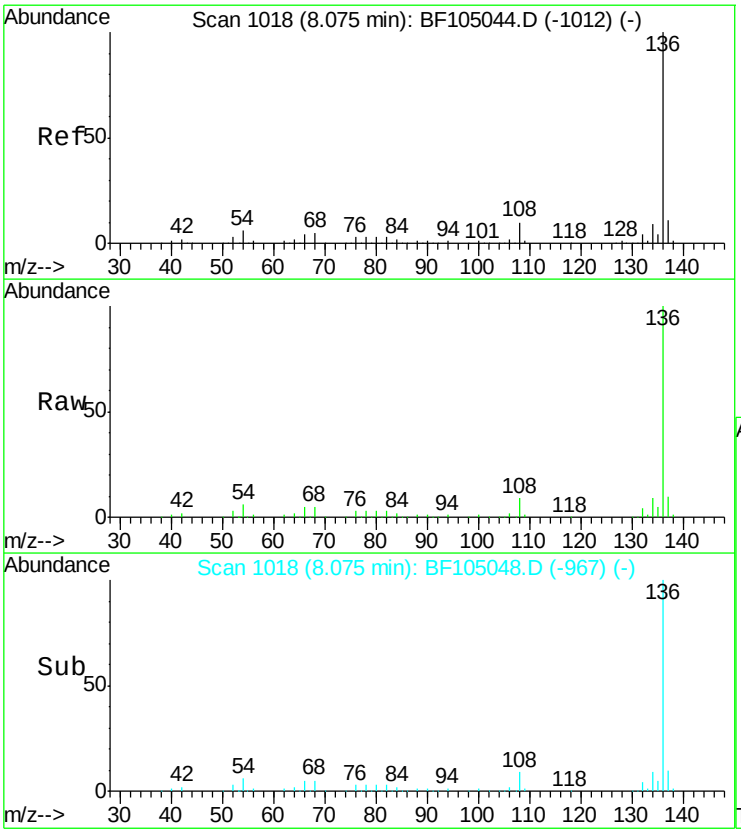
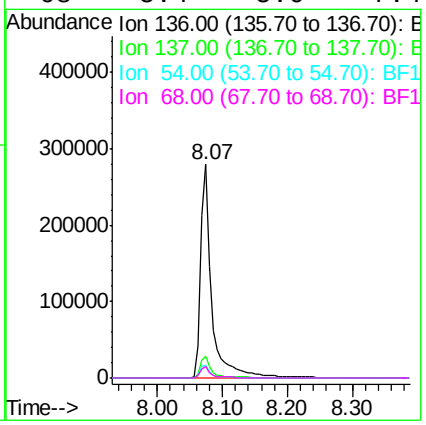
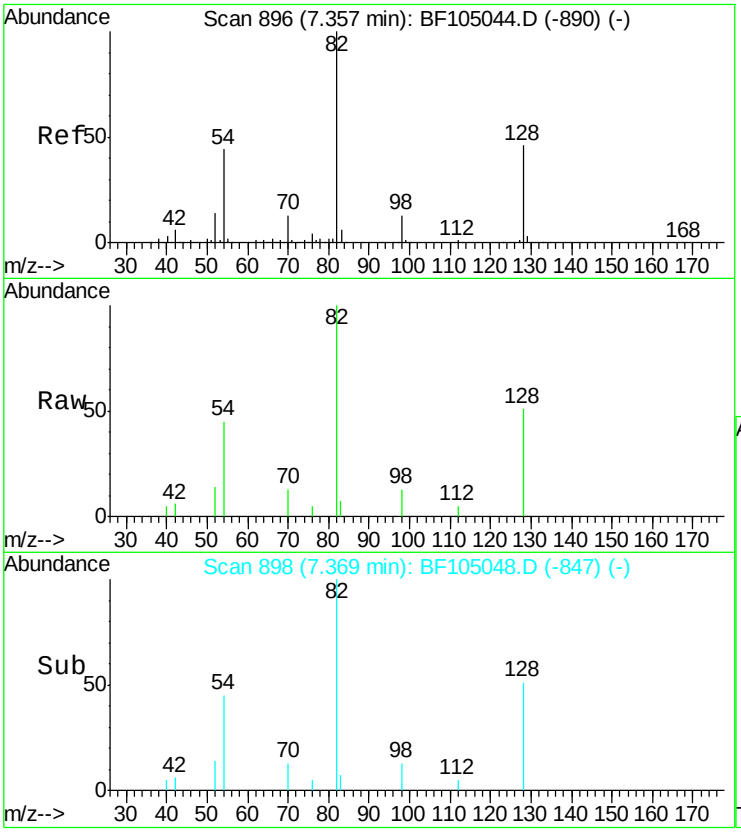


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:136 Resp: 333878

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.0	6.6	9.8#
68	5.4	5.0	7.4

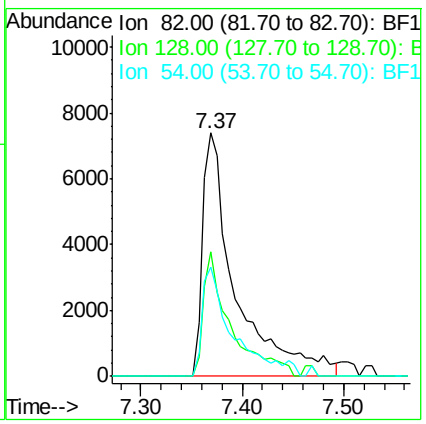




#23
Nitrobenzene-d5
Concen: 3.263 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion: 82 Resp: 16683

Ion	Ratio	Lower	Upper
82	100		
128	51.0	36.1	54.1
54	44.8	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
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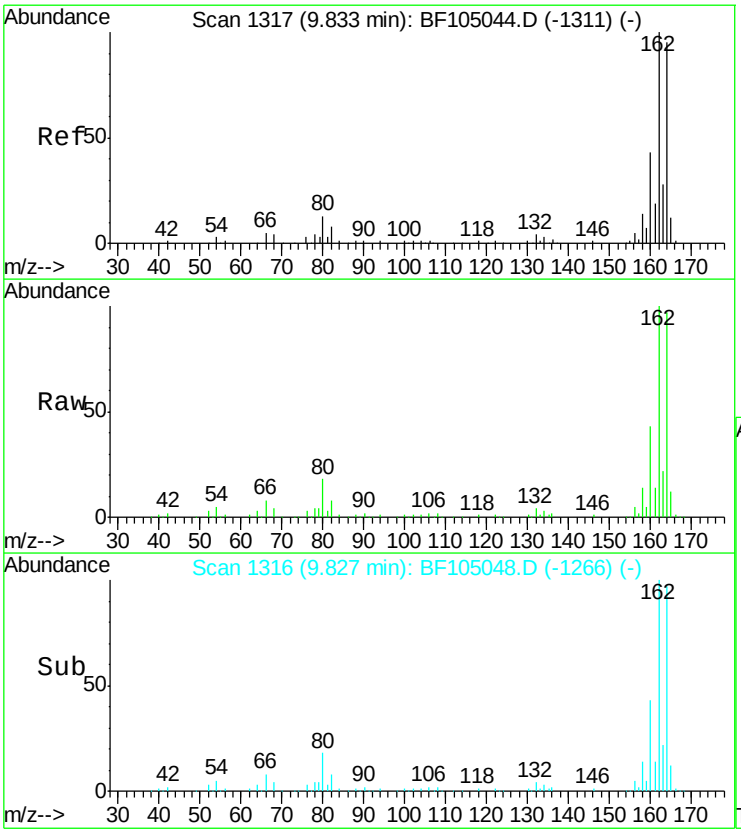
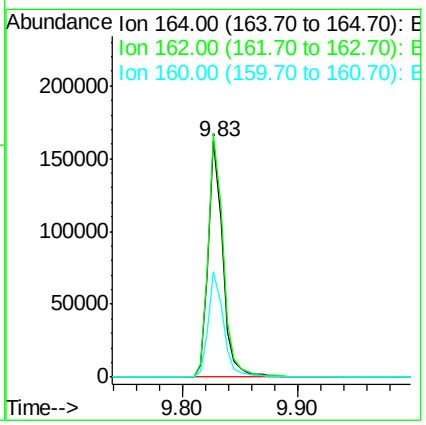
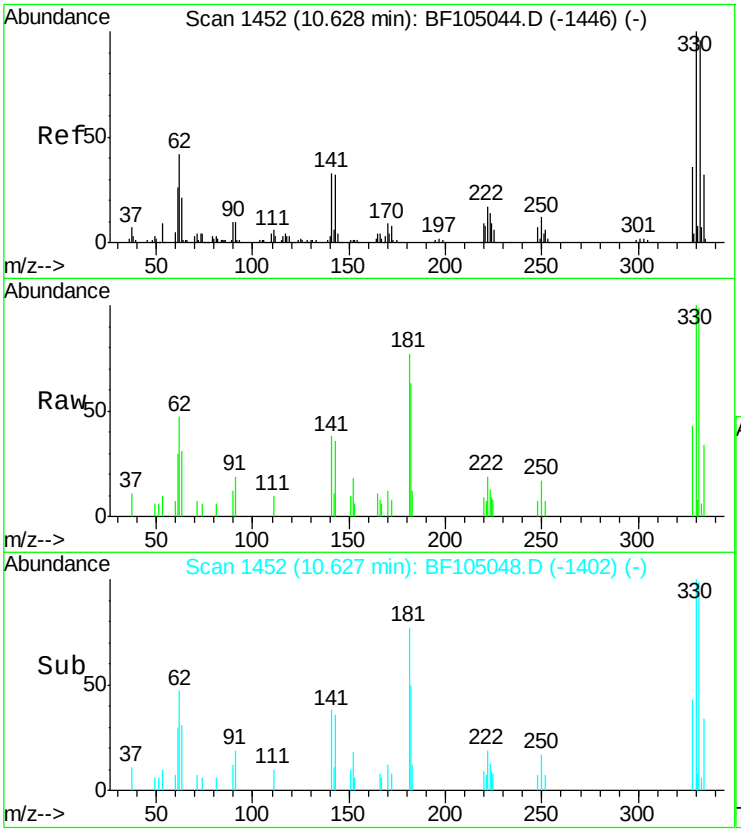


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:164 Resp: 143420

Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	44.8	38.3	57.5

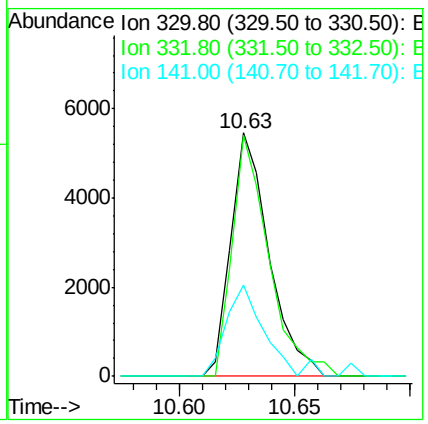




#41
2,4,6-Tribromophenol
Concen: 4.253 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:330 Resp: 6327

Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	38.1	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
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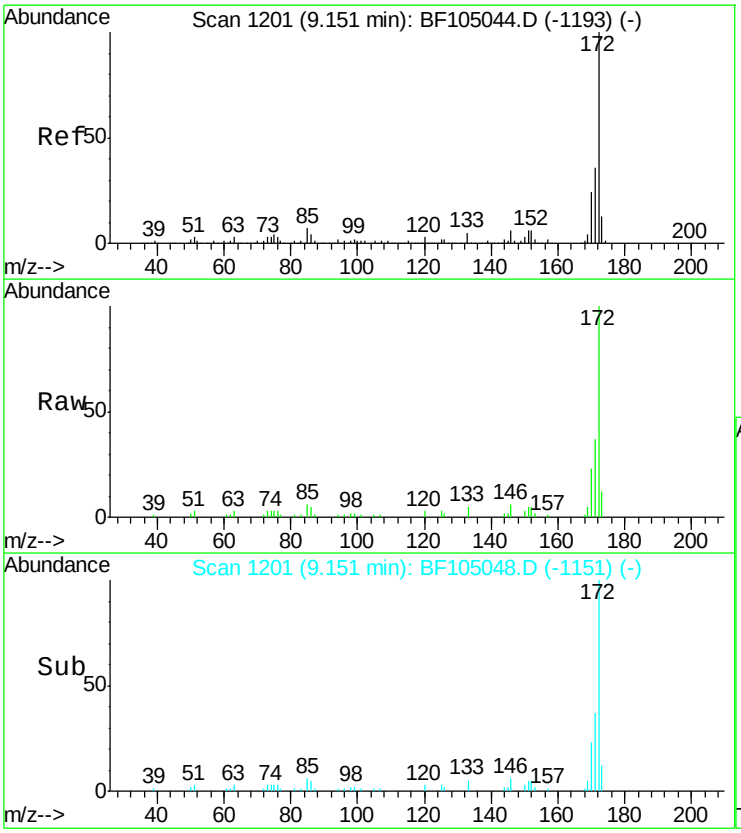
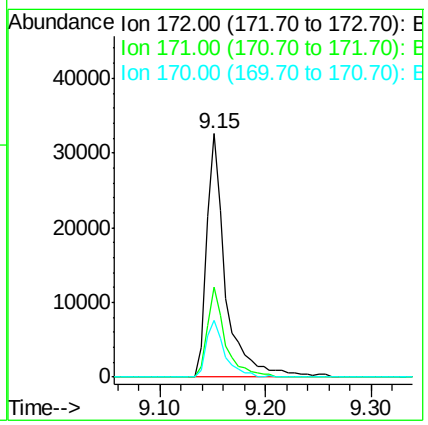
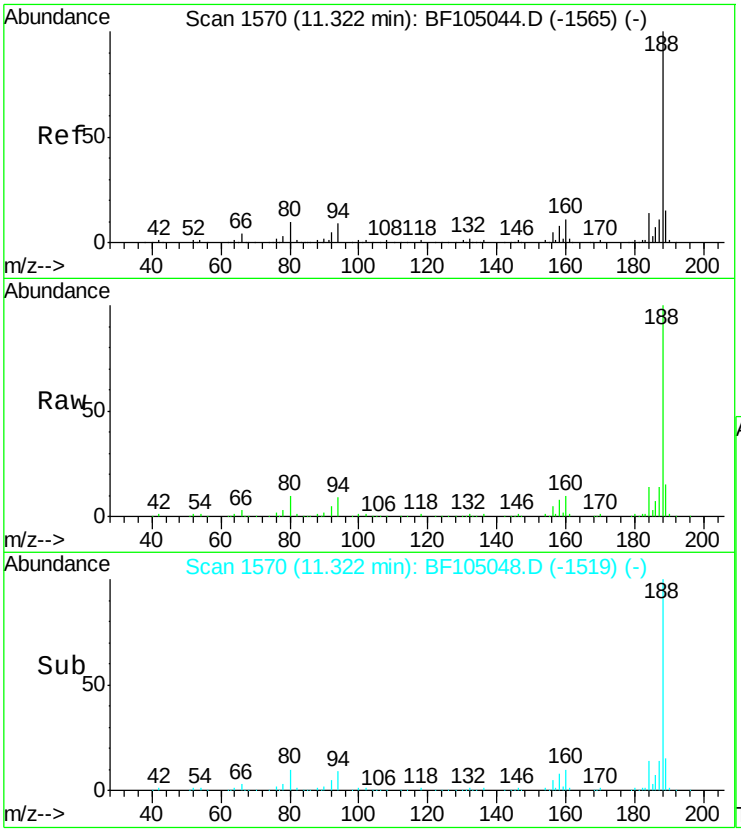


#44
2-Fluorobiphenyl
Concen: 4.482 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:172 Resp: 40688

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	23.3	19.6	29.4

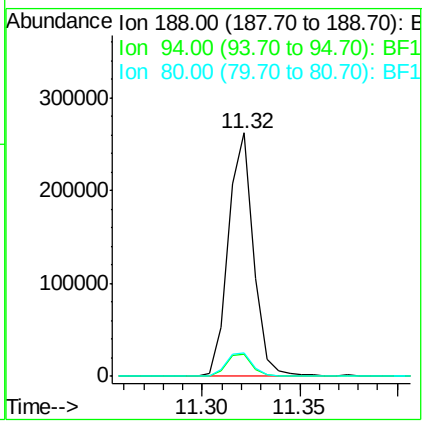




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:188 Resp: 234282

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.5	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

Manual Integrations APPROVED
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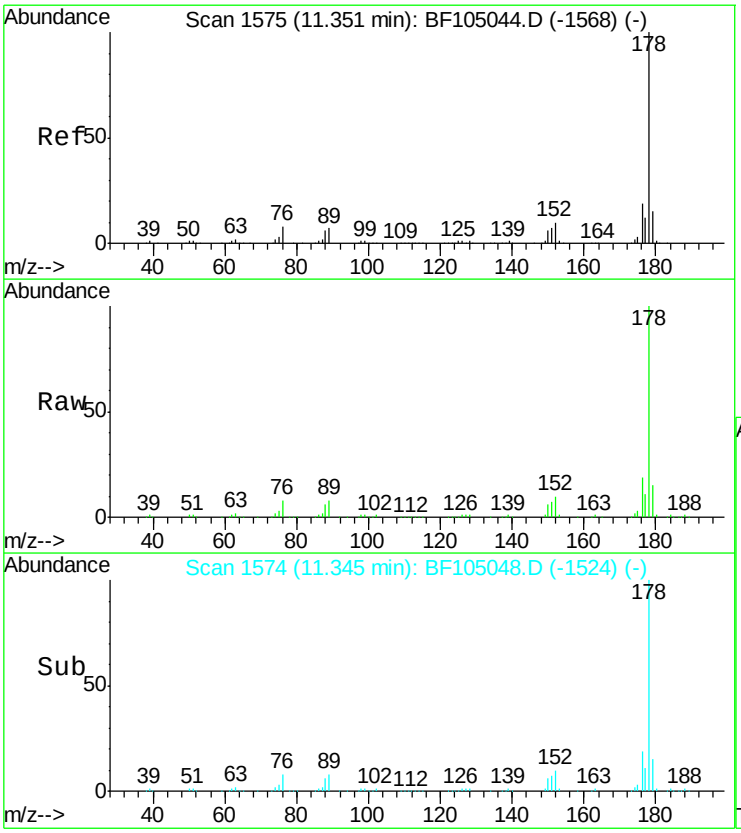
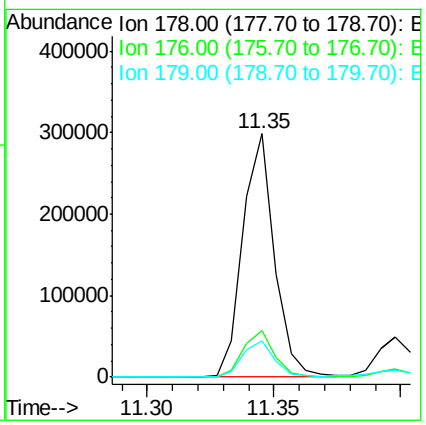
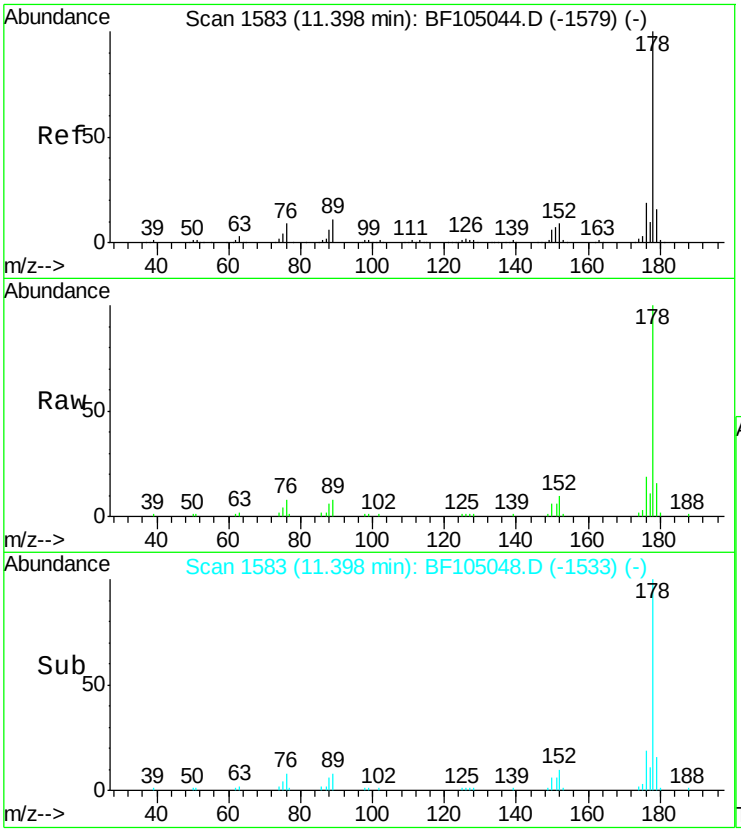


#70
Phenanthrene
Concen: 19.913 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:178 Resp: 259799

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.0	13.0	19.6

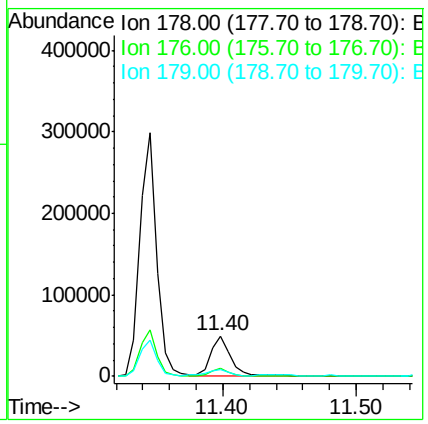




#71
Anthracene
Concen: 3.950 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:178 Resp: 52389

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.2	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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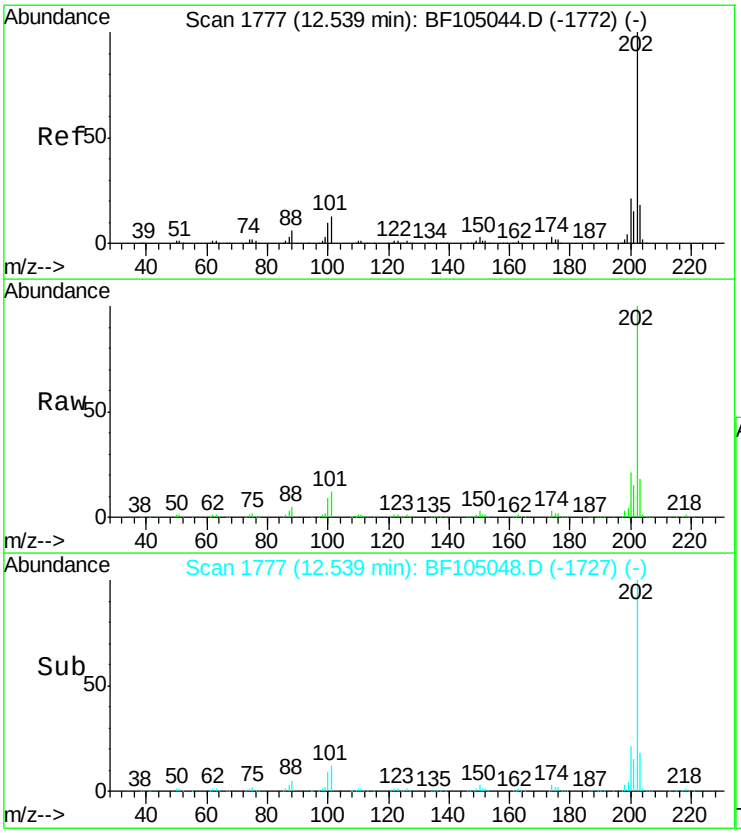
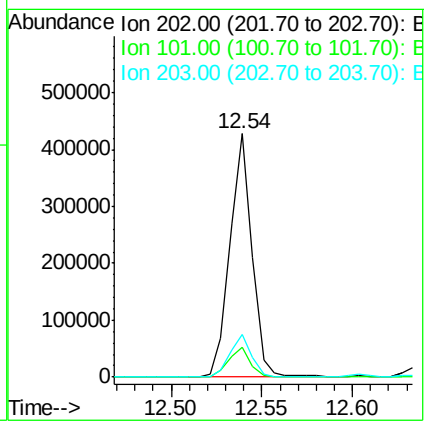
5/3/2018 5:00:54 PM

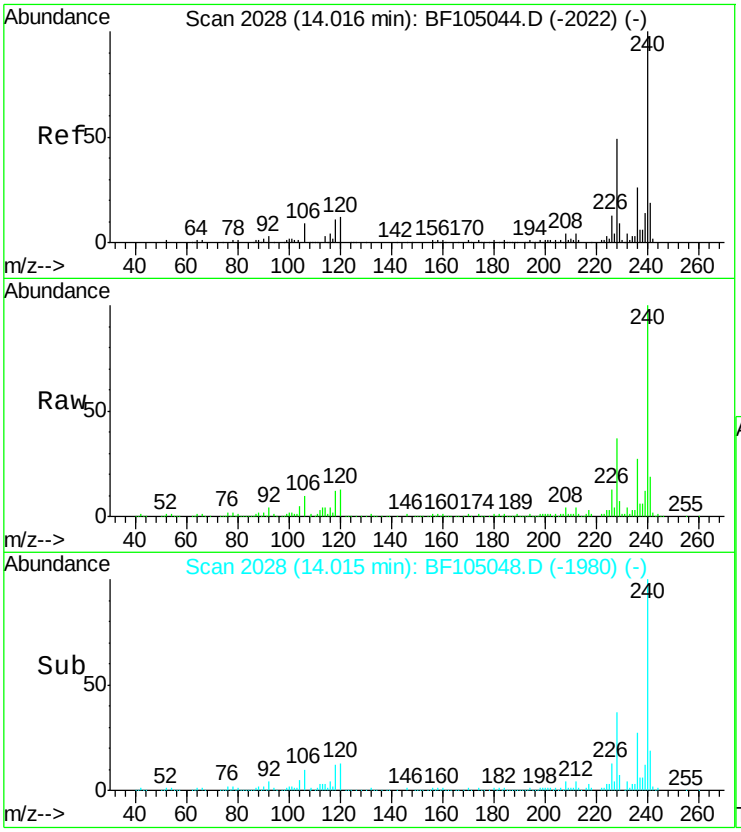


#74
Fluoranthene
Concen: 26.748 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:202 Resp: 364621

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.6	0.0	38.1

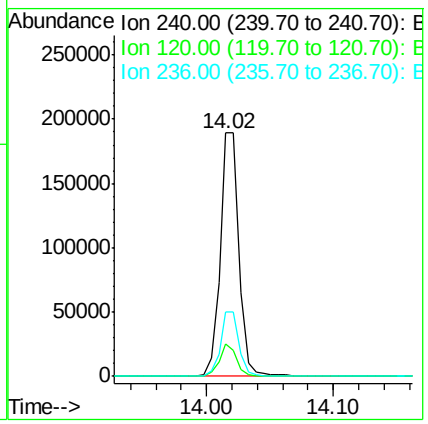




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:240 Resp: 195588

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.7	20.7	31.1



Instrument :
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ClientSampleId :
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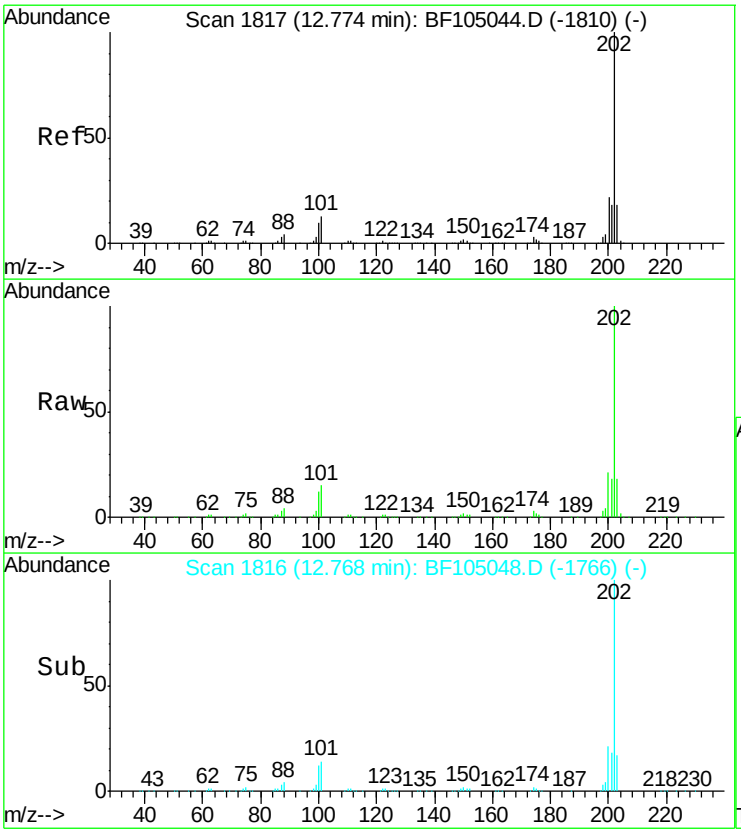
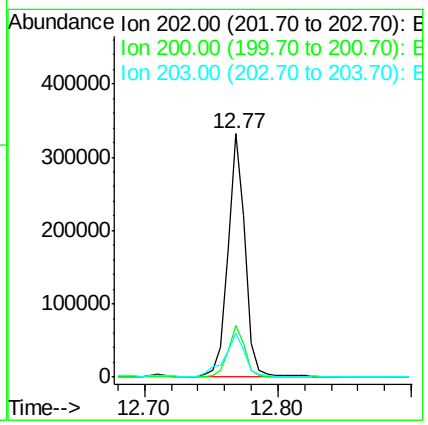
Manual Integrations APPROVED
Sohil
5/3/2018 5:00:54 PM

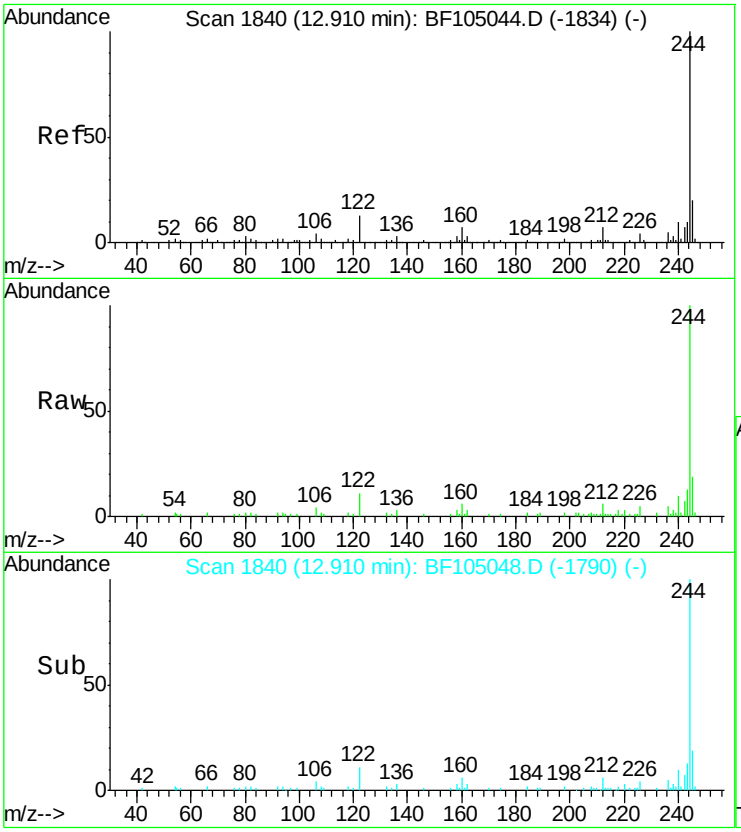


#77
Pyrene
Concen: 20.570 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:202 Resp: 298222

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.9	14.3	21.5

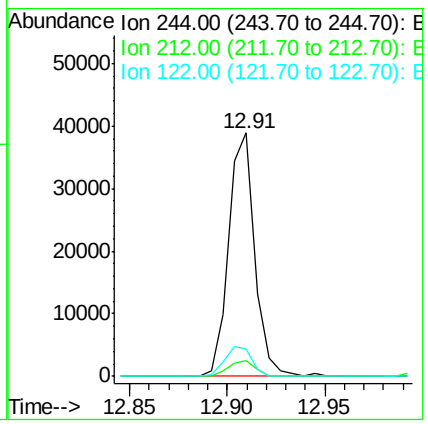




#78
Terphenyl-d14
Concen: 4.182 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

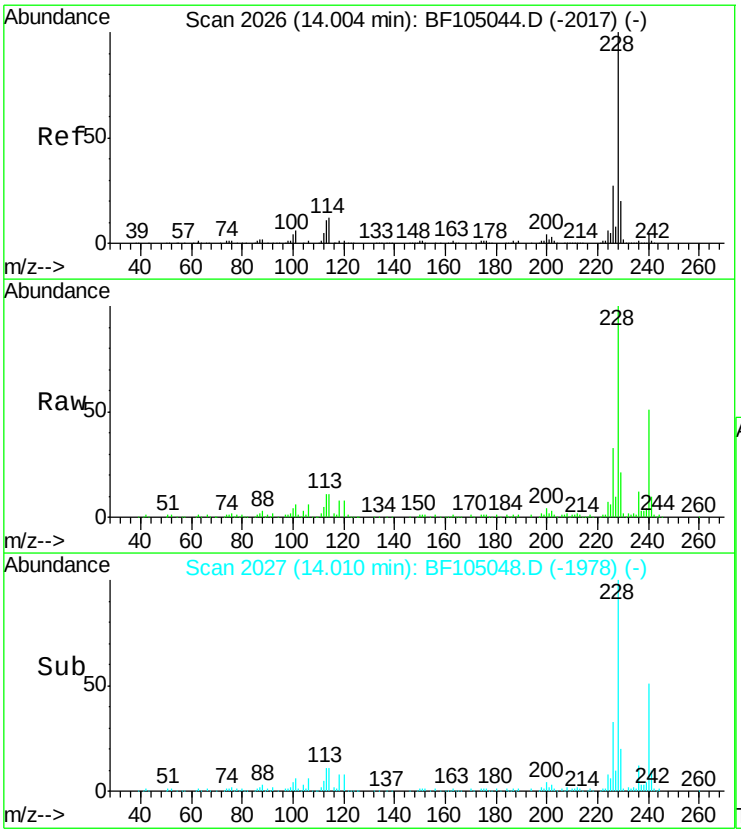
Tgt Ion:244 Resp: 35880

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.4	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

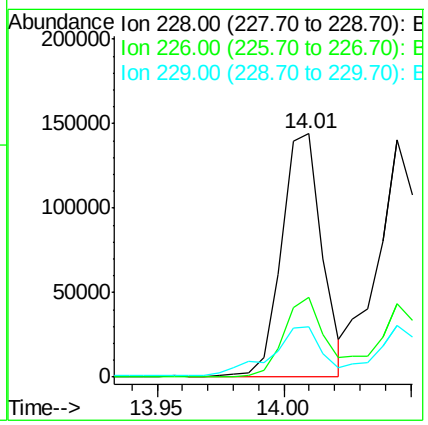
Manual Integrations APPROVED
Sohil
5/3/2018 5:00:54 PM

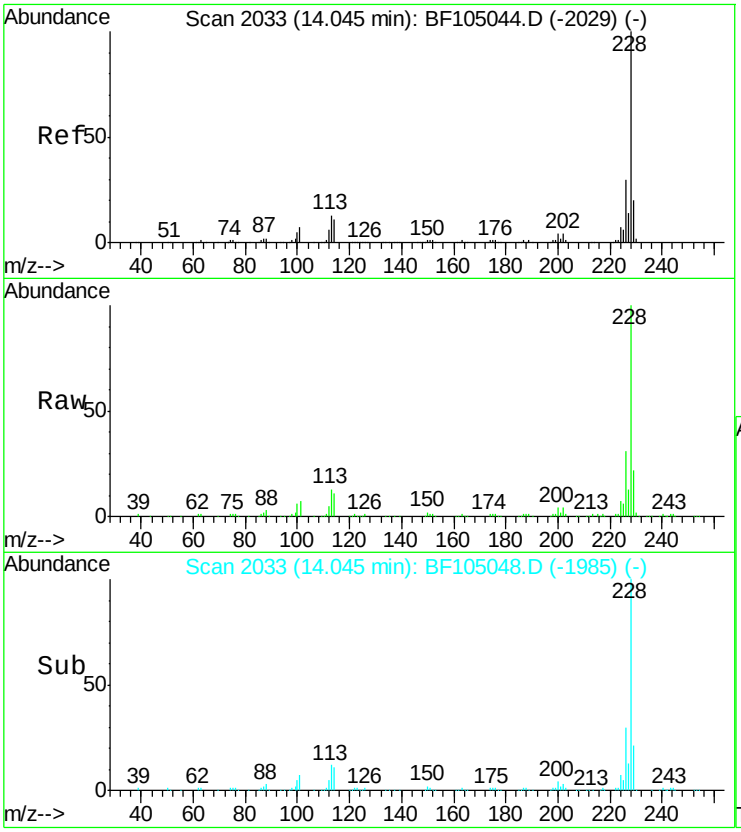


#80
Benzo(a)anthracene
Concen: 13.591 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:228 Resp: 158810

Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	20.7	15.8	23.6

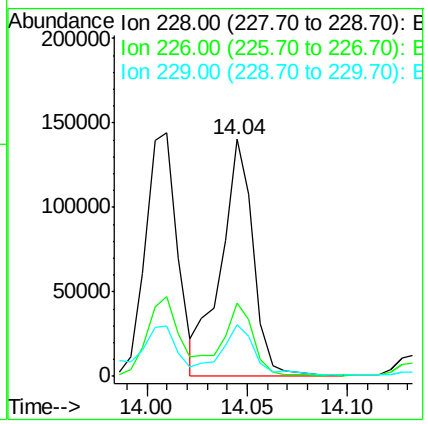




#82
Chrysene
Concen: 13.290 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:228 Resp: 159503

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	22.0	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

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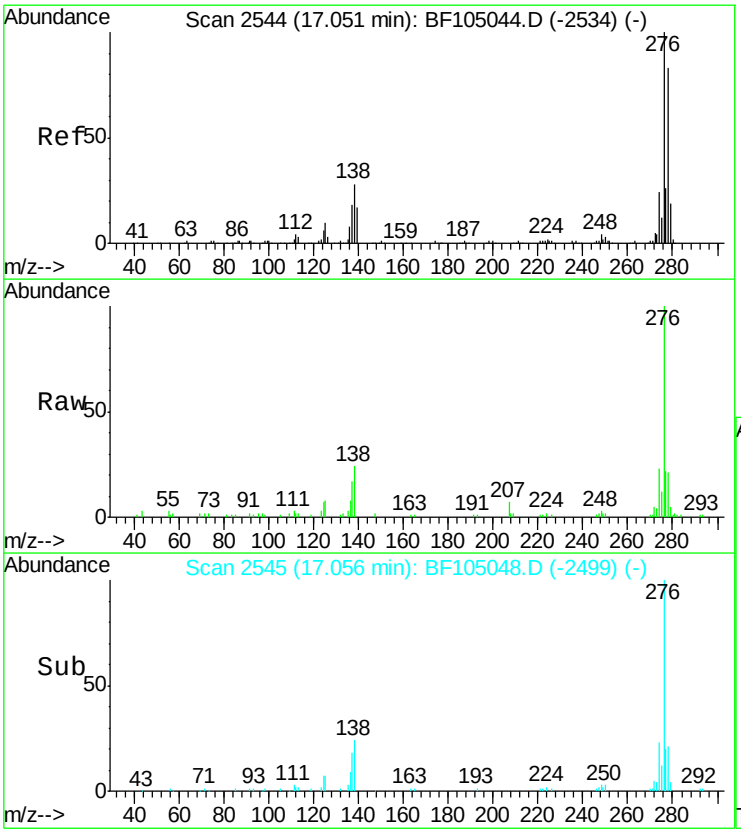
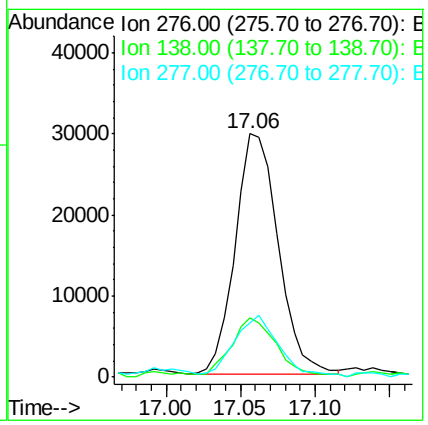
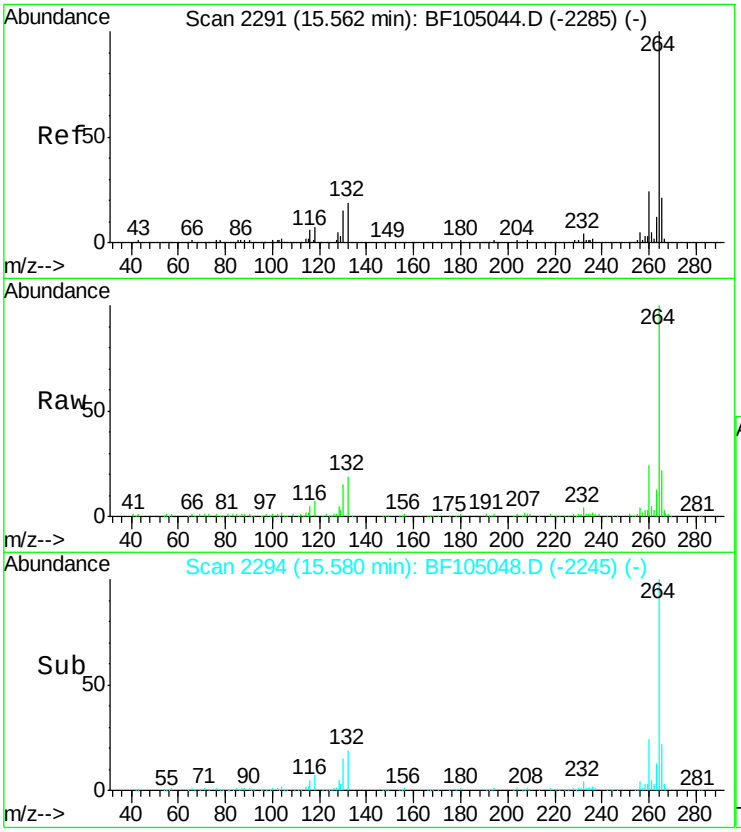


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.804 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.03 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:276 Resp: 59175

Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.0	37.6
277	27.1	20.1	30.1

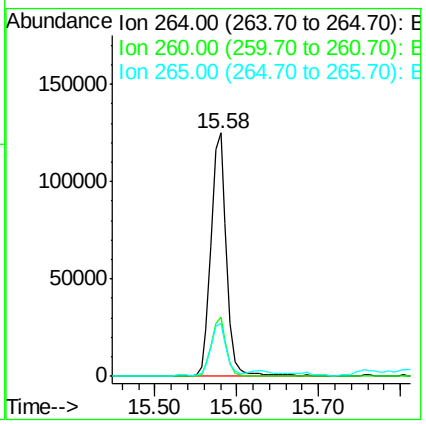




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:264 Resp: 165403

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

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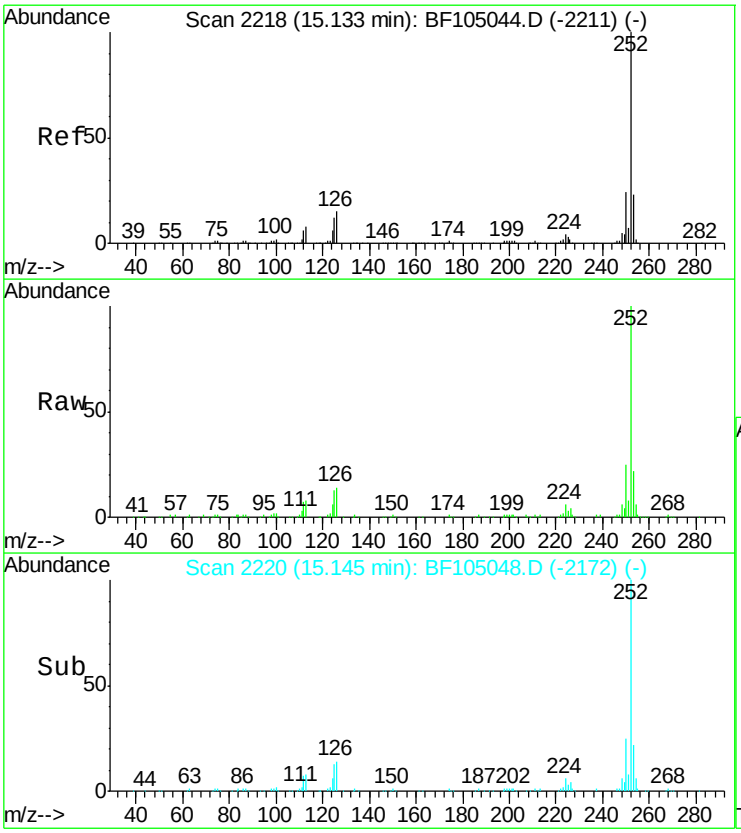
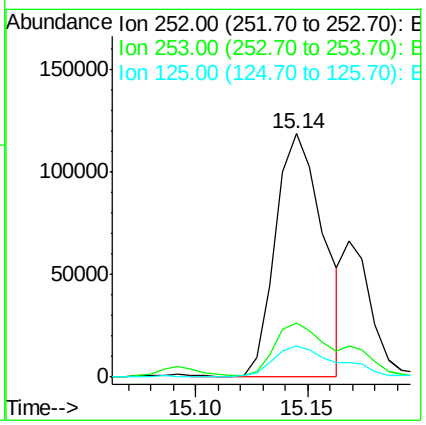
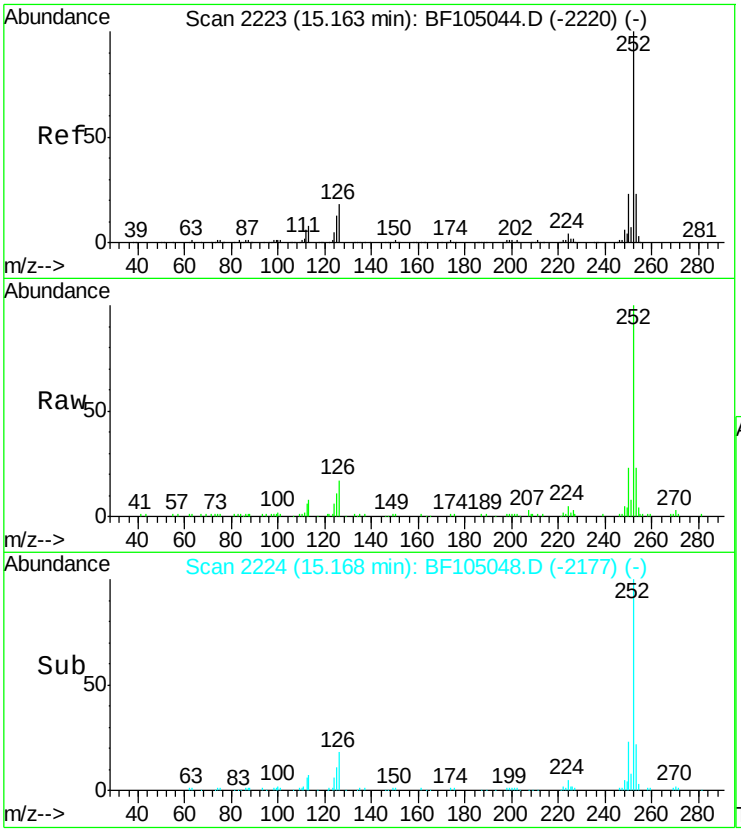


#87
Benzo(b)fluoranthene
Concen: 16.954 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:252 Resp: 177112

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	13.0	9.0	13.6

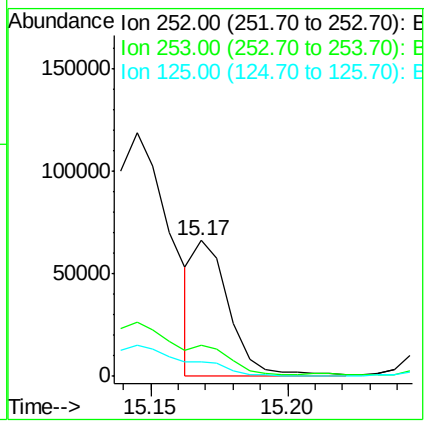




#88
Benzo(k)fluoranthene
Concen: 6.073 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:252 Resp: 59899

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.1	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

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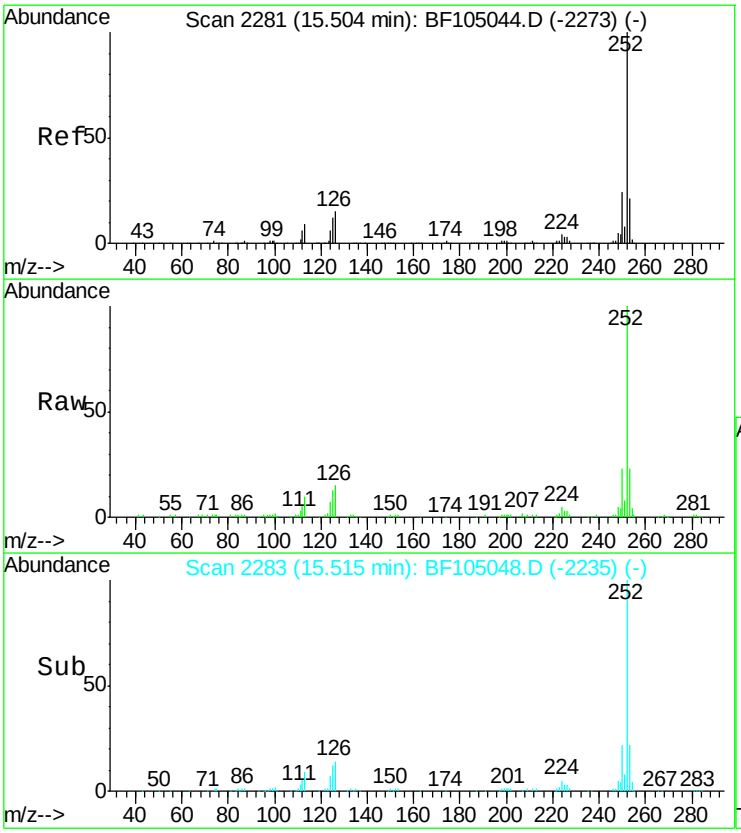
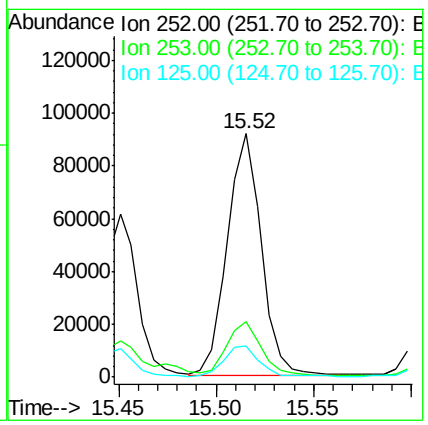
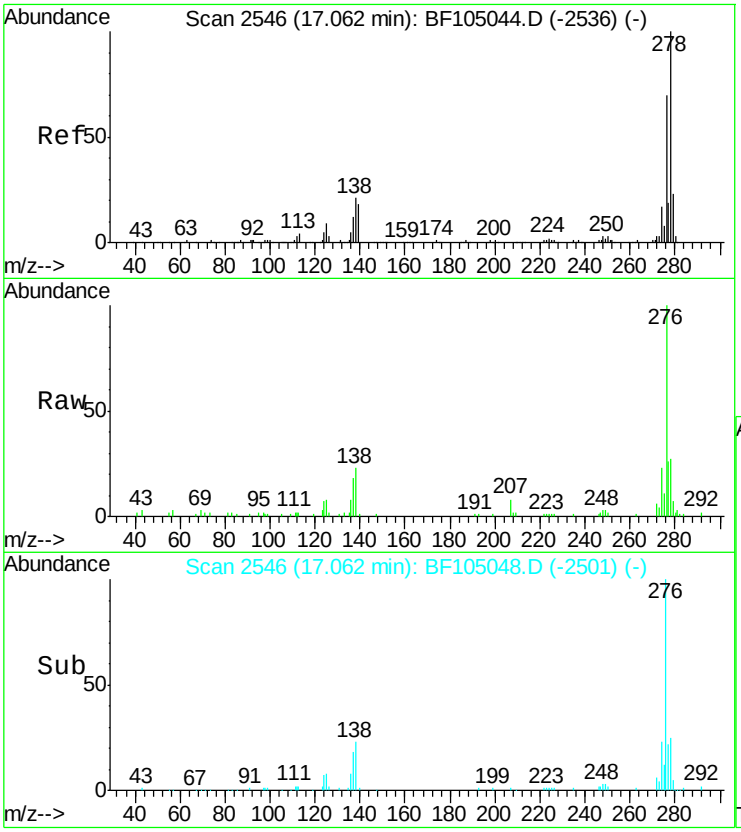


#89
Benzo(a)pyrene
Concen: 11.972 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:252 Resp: 111901

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.7	9.8	14.6

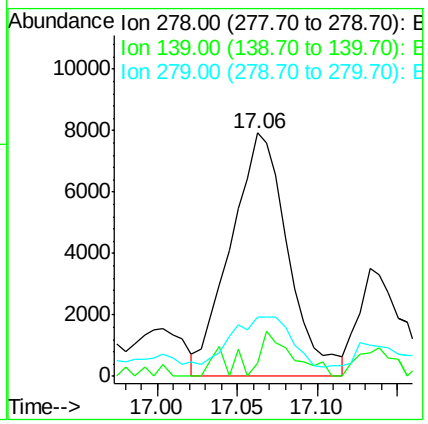




#90
Dibenzo(a,h)anthracene
Concen: 2.576 ng m
RT: 17.06 min Scan# 2546
Delta R.T. -0.04 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:278 Resp: 19772

Ion	Ratio	Lower	Upper
278	100		
139	5.2	15.9	23.9#
279	24.5	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
CL-02-043018-ADL

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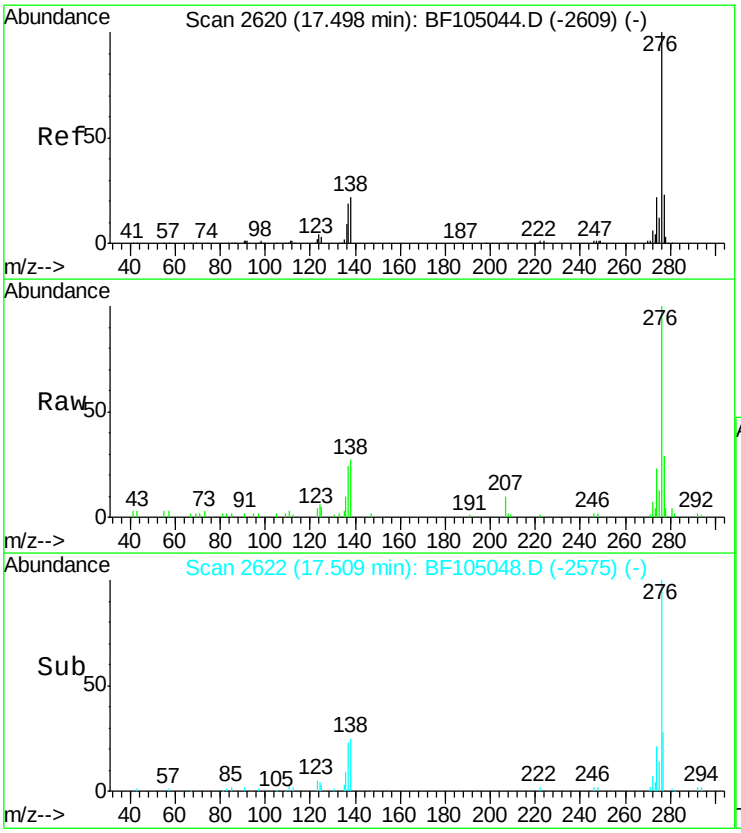

#91
Benzo(g,h,i)perylene
Concen: 7.386 ng
RT: 17.51 min Scan# 2622
Delta R.T. -0.02 min
Lab File: BF105048.D
Acq: 2 May 2018 23:50

Tgt Ion:276 Resp: 54932

Ion	Ratio	Lower	Upper
276	100		
277	29.0	17.9	26.9#
138	27.0	21.8	32.8