Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110126.D
Acq On : 24 Oct 2018 20:23
Operator : JU/SJ
Sample : J5199-05 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-102318

Manual Integrations APPROVED
Sohil
10/25/2018 11:15:30 AM

Quant Time: Oct 25 04:39:39 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	122050	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	447808	20.00	ng		-0.02
39) Acenaphthene-d10	10.01	164	176463	20.00	ng		-0.02
64) Phenanthrene-d10	11.50	188	308532	20.00	ng		-0.01
76) Chrysene-d12	14.16	240	248711	20.00	ng		0.00
87) Perylene-d12	15.69	264	176128	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	366854	48.95	ng		-0.02
7) Phenol-d6	6.59	99	443651	46.28	ng		-0.02
23) Nitrobenzene-d5	7.53	82	242663	32.14	ng		-0.02
42) 2,4,6-Tribromophenol	10.80	330	74403	42.57	ng		-0.01
45) 2-Fluorobiphenyl	9.32	172	431245	38.37	ng		-0.02
79) Terphenyl-d14	13.09	244	394958	33.03	ng		-0.02
Target Compounds							Qvalue
10) Phenol	6.60	94	26143	2.551	ng	#	63
38) 1-Methylnaphthalene	9.06	142	26545	2.012	ng		95
49) Acenaphthylene	9.87	152	44294	2.620	ng		97
50) Dimethylphthalate	9.72	163	51934	3.987	ng		99
52) Acenaphthene	10.05	154	24029	2.148	ng		98
58) Fluorene	10.56	166	35671	3.061	ng		100
71) Phenanthrene	11.53	178	203828	12.626	ng		98
72) Anthracene	11.58	178	59381	3.670	ng		97
75) Fluoranthene	12.72	202	350074	21.367	ng		99
78) Pyrene	12.96	202	377356	21.164	ng		97
81) Benzo(a)anthracene	14.14	228	174672	11.843	ng		92
83) Chrysene	14.18	228	166181	11.863	ng		97
86) Indeno(1,2,3-cd)pyrene	17.24	276	64254	5.529	ng		98
88) Benzo(b)fluoranthene	15.23	252	154084m	15.150	ng		
89) Benzo(k)fluoranthene	15.26	252	56469m	5.648	ng		
90) Benzo(a)pyrene	15.62	252	113766	12.156	ng		98
91) Dibenzo(a,h)anthracene	17.26	278	16343	2.024	ng	#	58
92) Benzo(g,h,i)perylene	17.73	276	65221	8.196	ng	#	94

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

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Manual Integrations APPROVED
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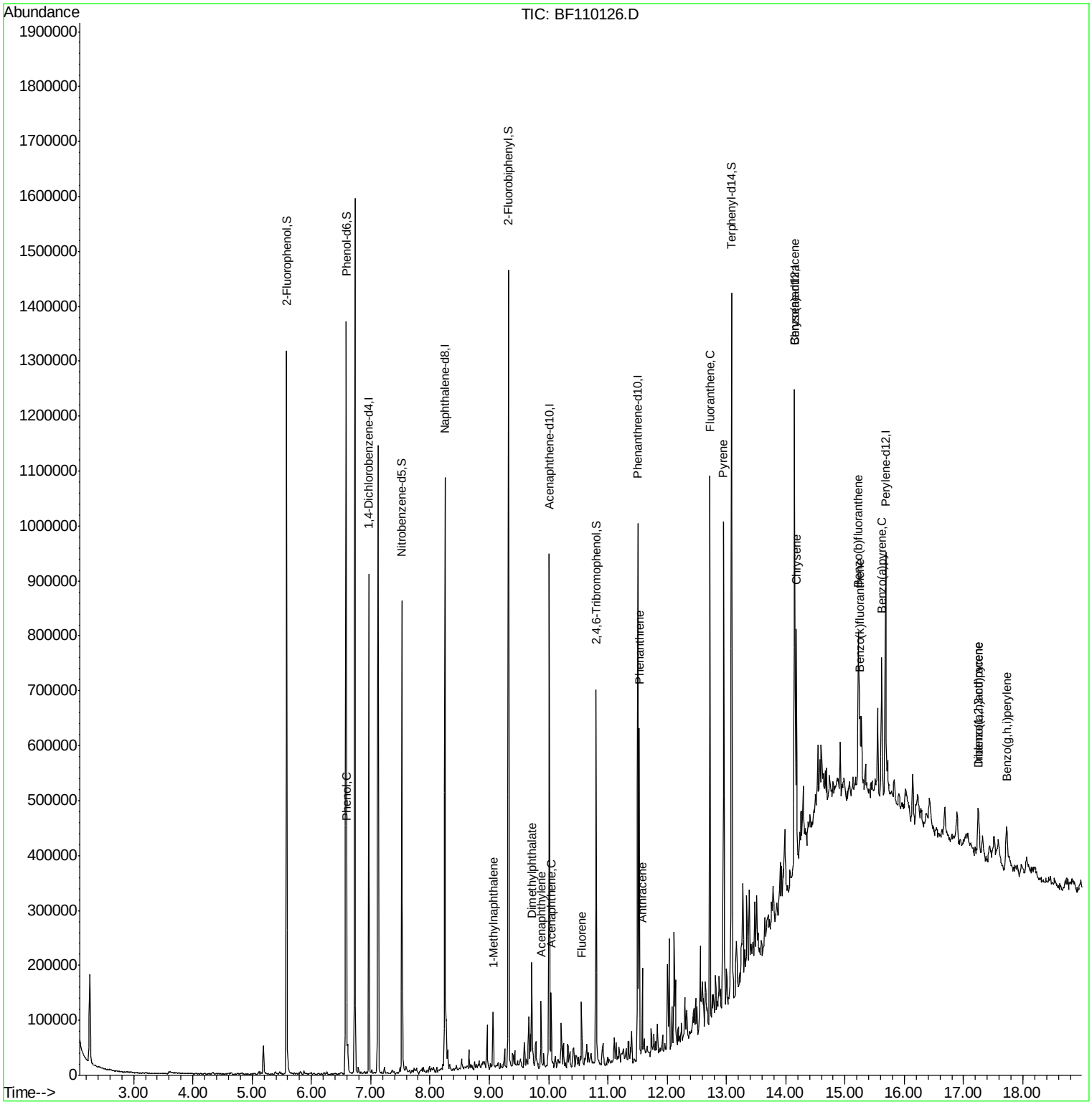
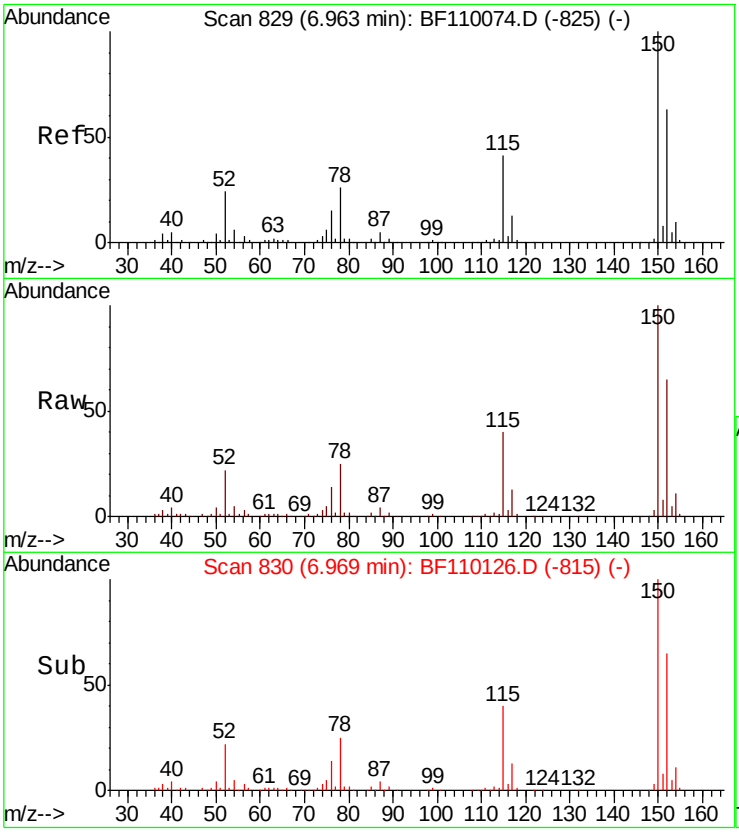
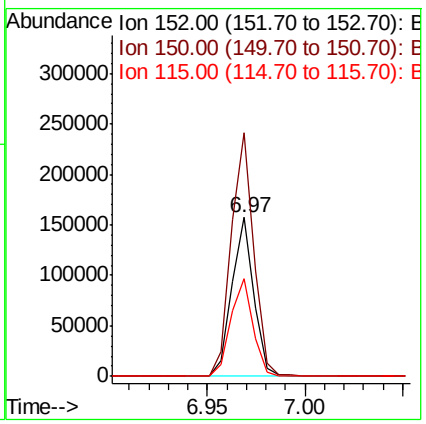




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:152 Resp: 122050

Ion	Ratio	Lower	Upper
152	100		
150	153.3	122.7	184.1
115	61.4	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

Manual Integrations APPROVED
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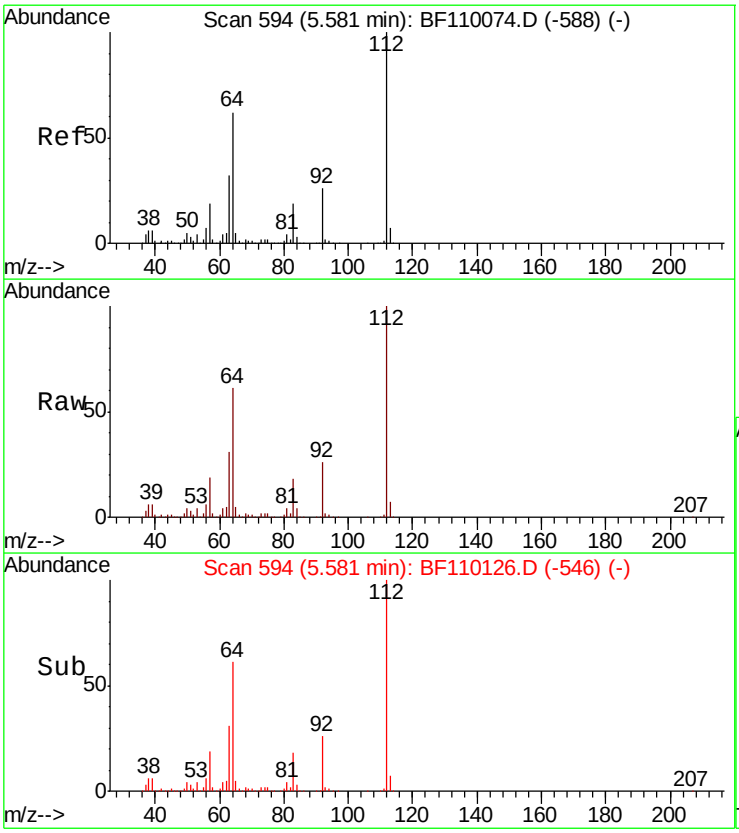
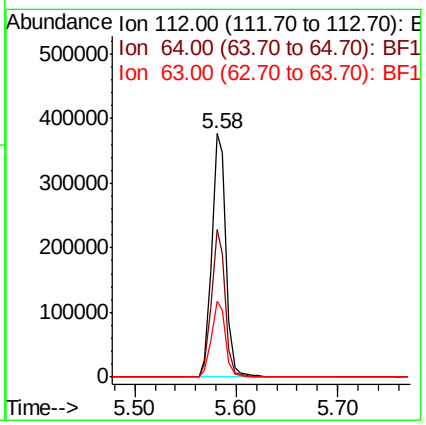
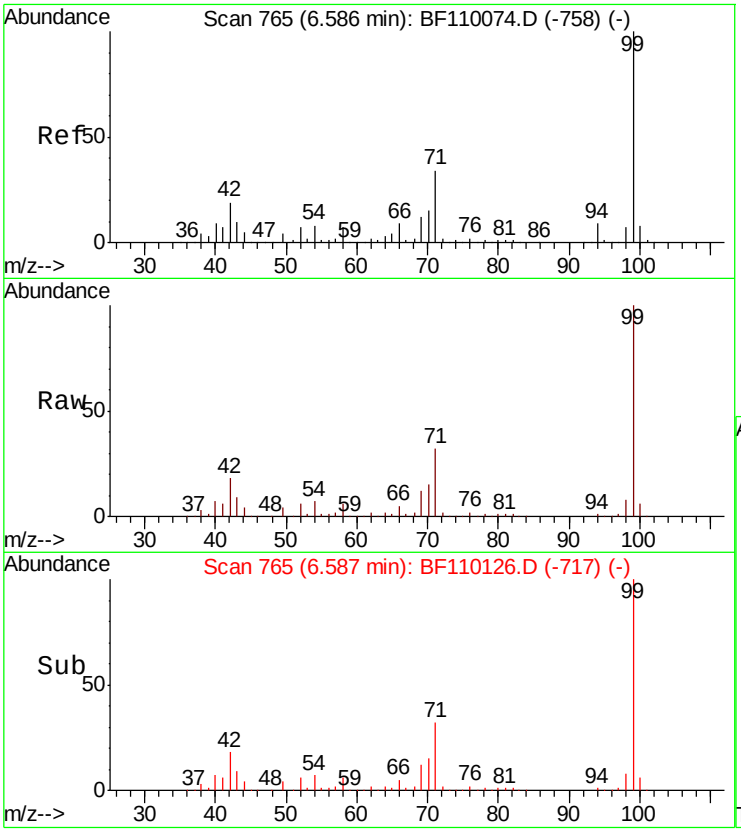


#5
2-Fluorophenol
Concen: 48.947 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:112 Resp: 366854

Ion	Ratio	Lower	Upper
112	100		
64	60.7	44.1	66.1
63	31.3	23.7	35.5

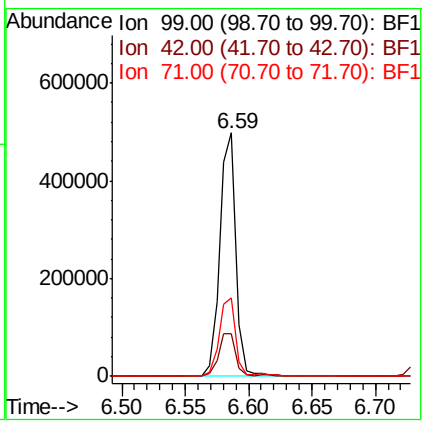




#7
Phenol-d6
Concen: 46.279 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion: 99 Resp: 443651

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.8	23.6
71	32.4	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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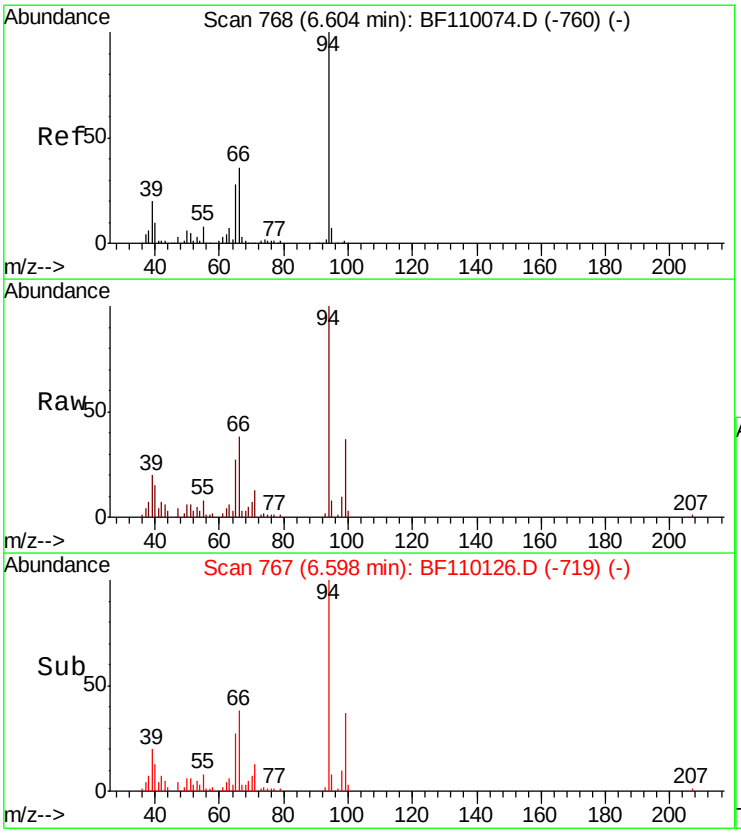
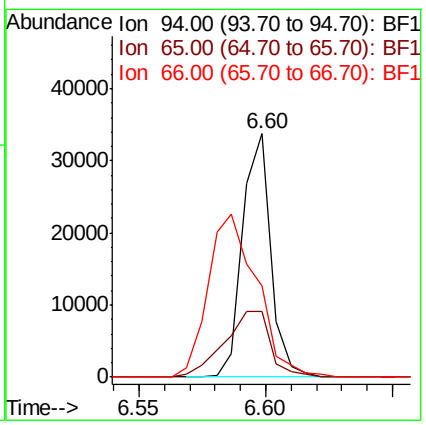
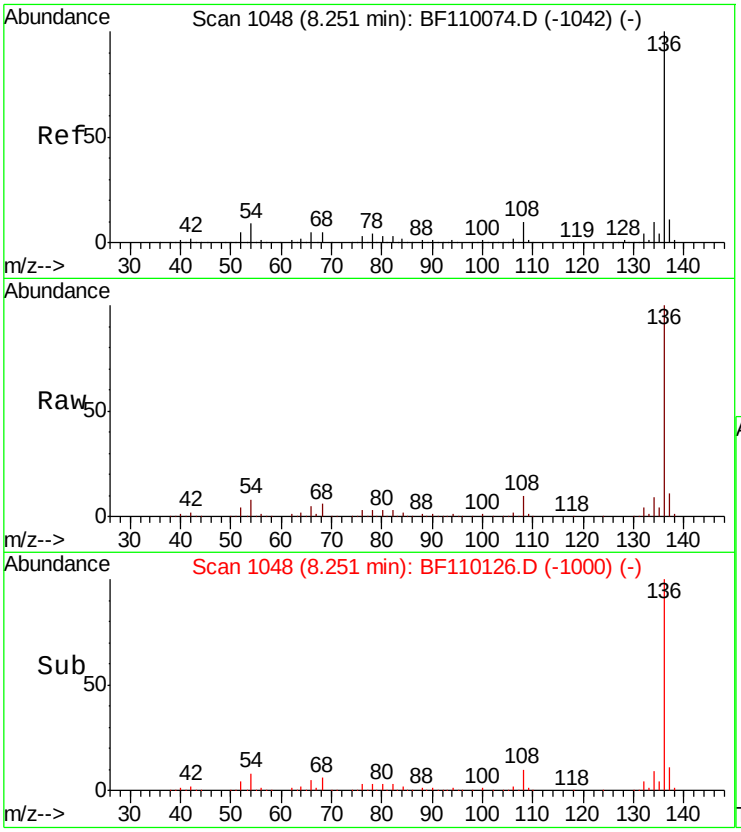


#10
Phenol
Concen: 2.551 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion: 94 Resp: 26143

Ion	Ratio	Lower	Upper
94	100		
65	27.2	25.3	65.3
66	37.8	54.5	94.5#

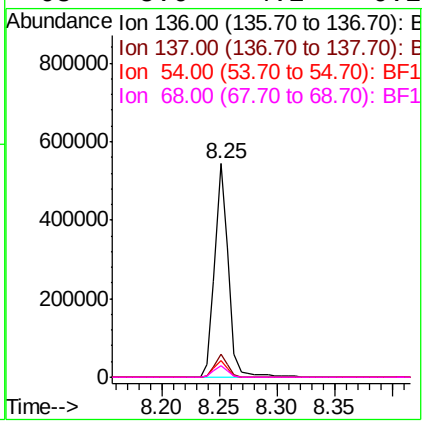




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:136 Resp: 447808

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.9	5.4	8.2
68	5.6	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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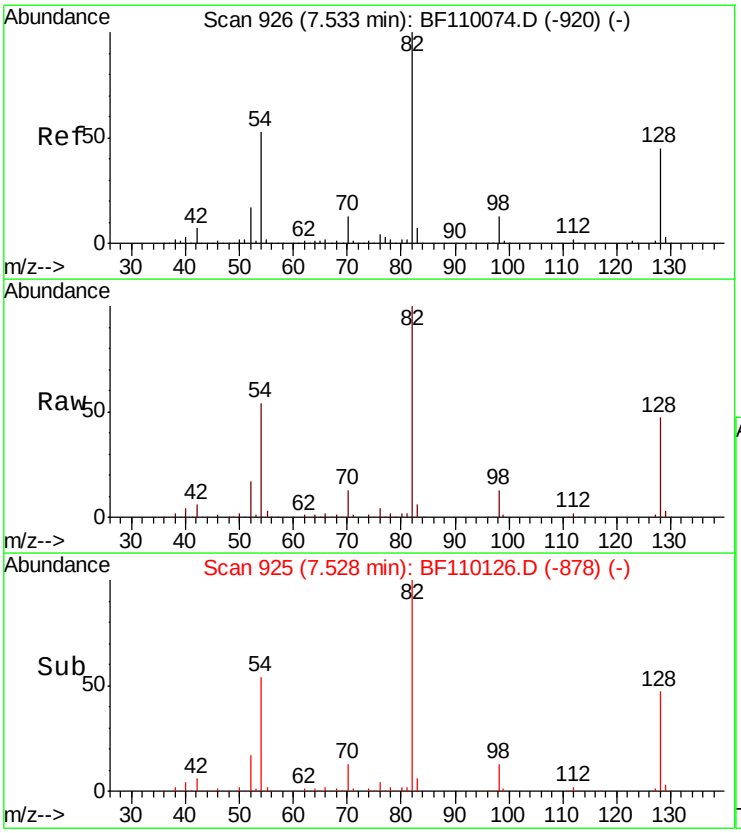
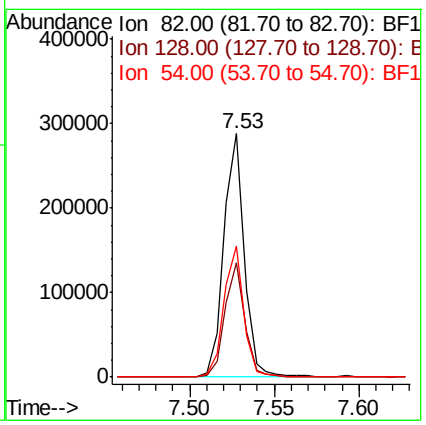
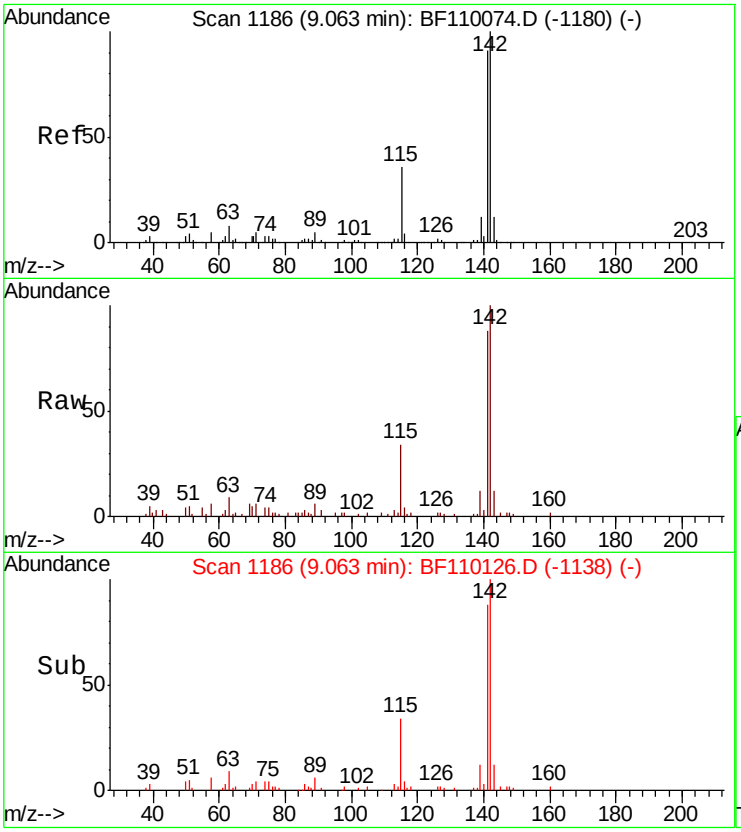


#23
Nitrobenzene-d5
Concen: 32.141 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion: 82 Resp: 242663

Ion	Ratio	Lower	Upper
82	100		
128	47.2	34.2	51.2
54	53.9	38.6	58.0

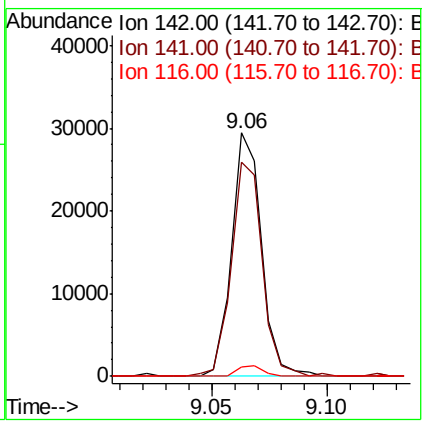




#38
1-Methylnaphthalene
Concen: 2.012 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:142 Resp: 26545

Ion	Ratio	Lower	Upper
142	100		
141	88.1	74.2	111.4
116	3.9	2.6	4.0



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

Manual Integrations APPROVED
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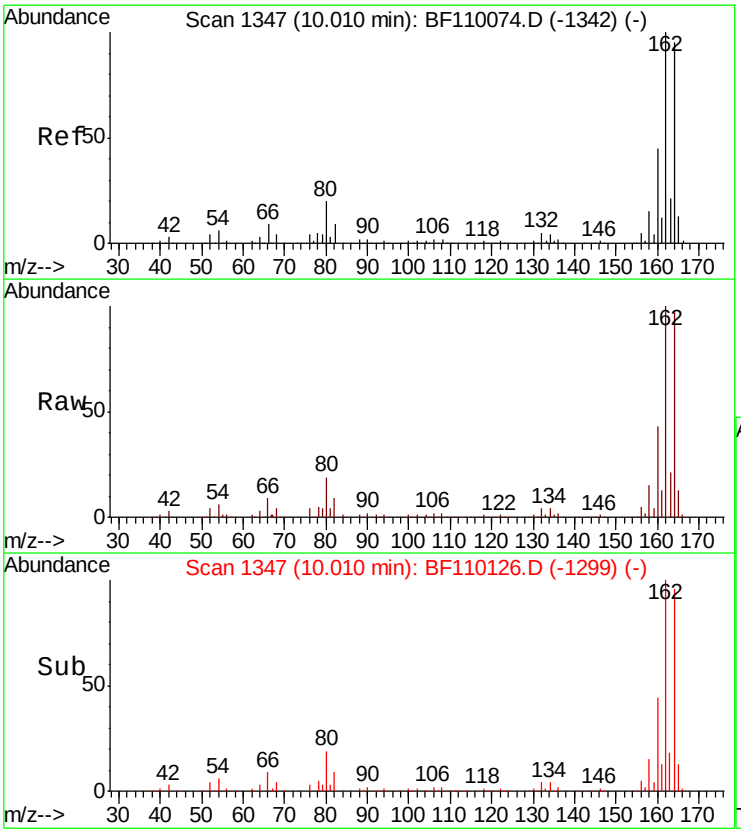
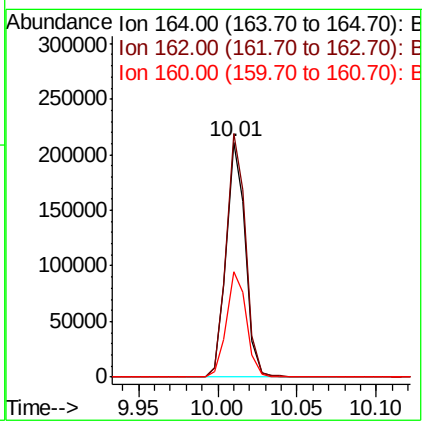
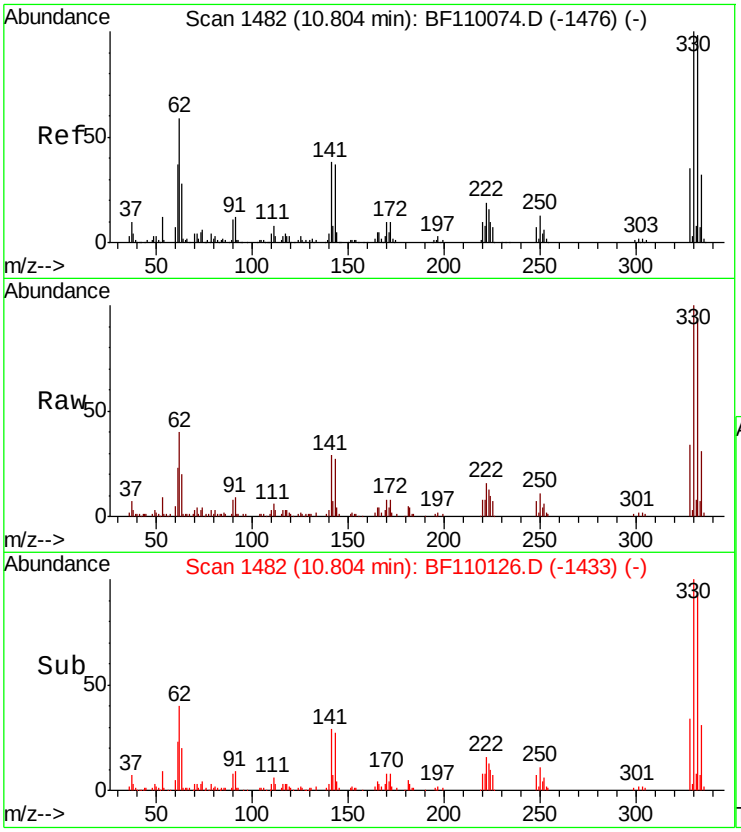


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:164 Resp: 176463

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.6
160	45.0	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 42.565 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:330 Resp: 74403

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.1	115.7
141	39.6	27.0	40.4

Instrument :
BNA_F
ClientSampleId :
OK-03-102318

Manual Integrations APPROVED
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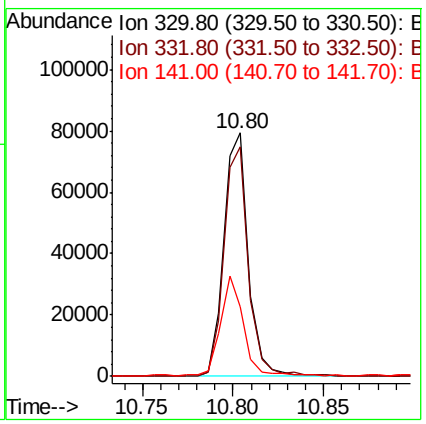
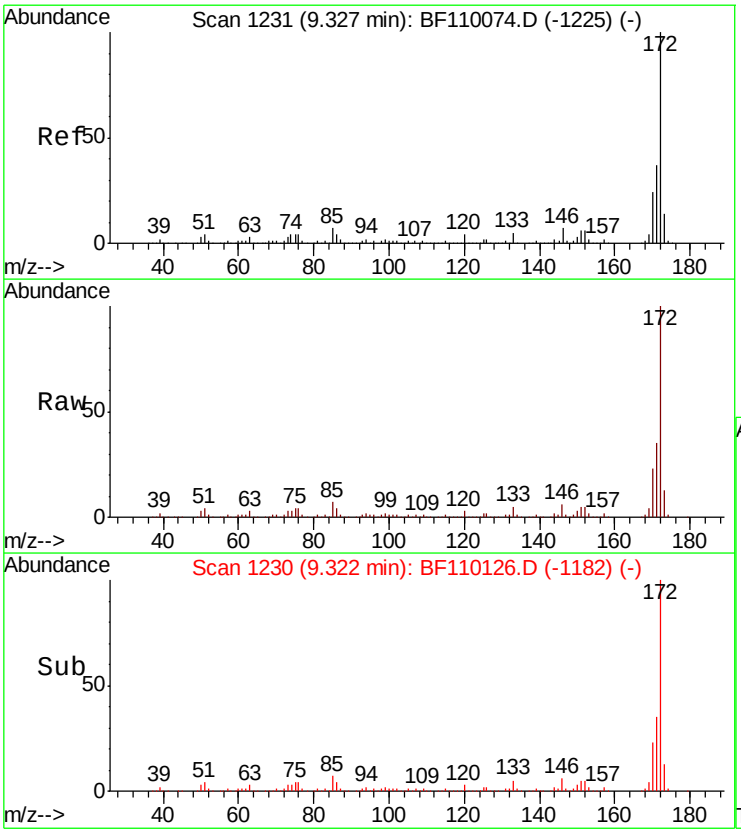
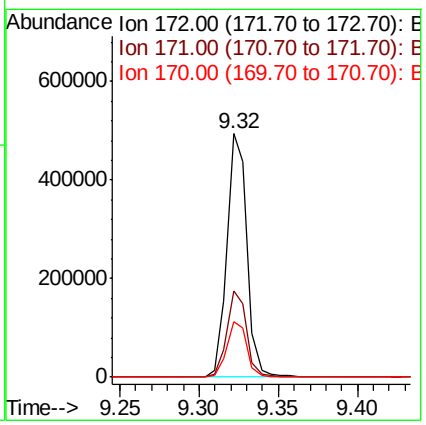


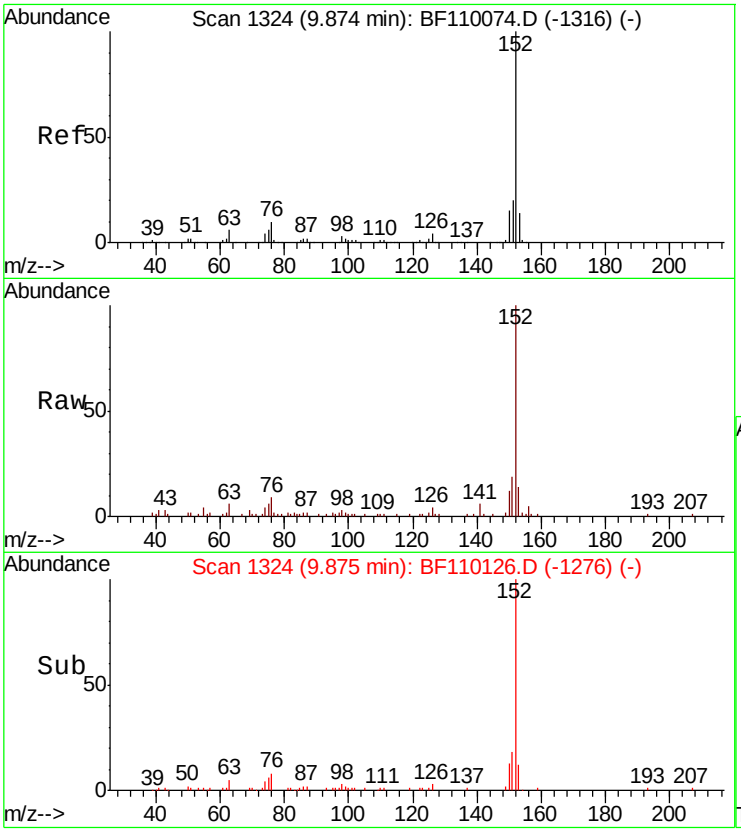


#45
2-Fluorobiphenyl
Concen: 38.374 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:172 Resp: 431245

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.0	19.7	29.5

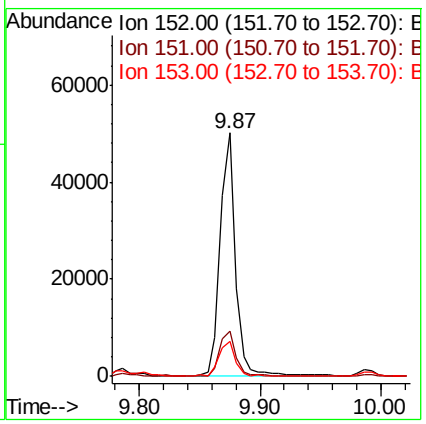




#49
Acenaphthylene
Concen: 2.620 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:152 Resp: 44294

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.8	23.8
153	14.4	10.4	15.6



Instrument :
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ClientSampleId :
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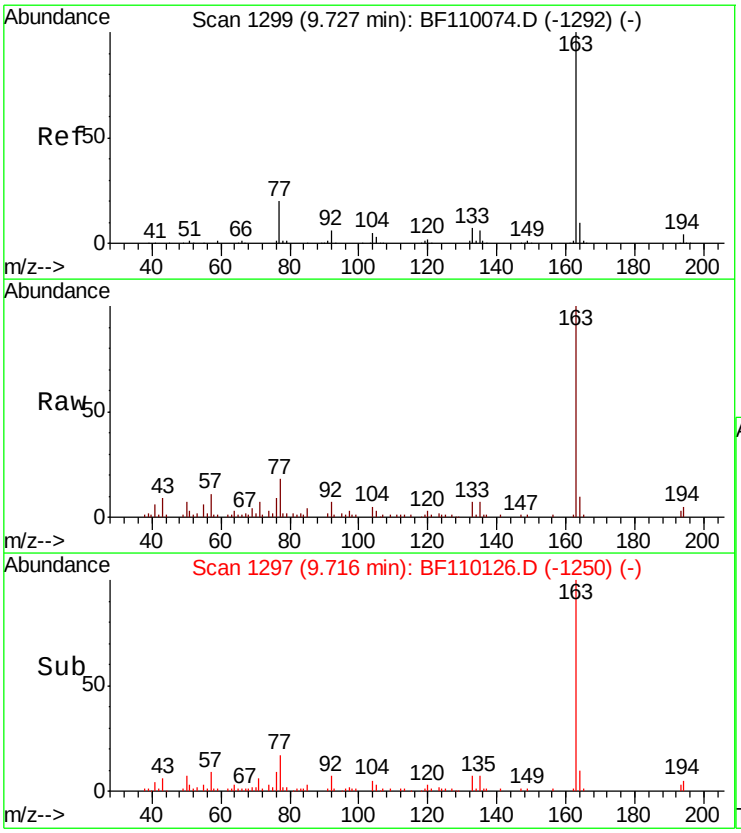
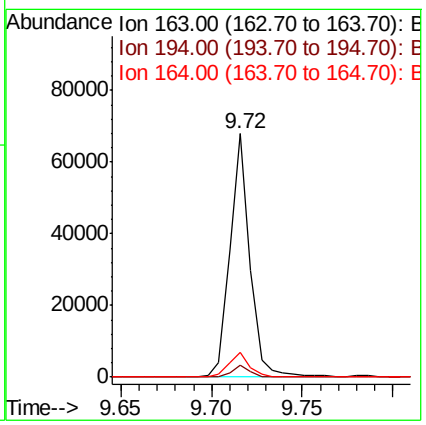
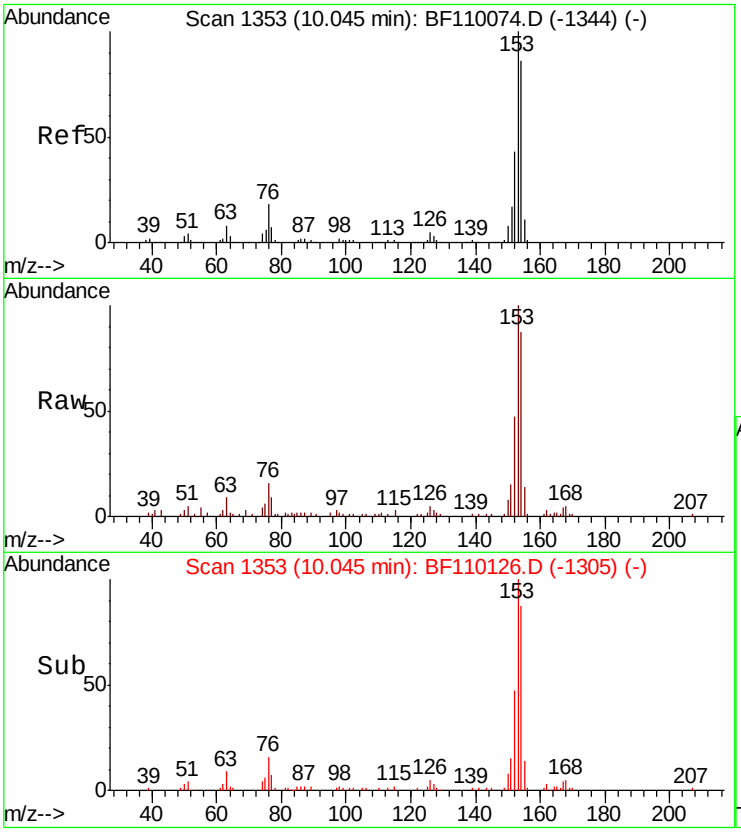


#50
Dimethylphthalate
Concen: 3.987 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:163 Resp: 51934

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.2	4.8
164	10.3	8.1	12.1

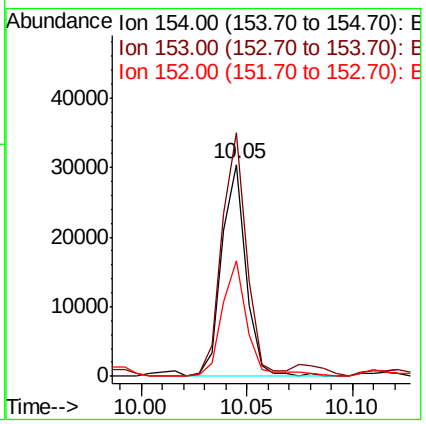




#52
Acenaphthene
Concen: 2.148 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:154 Resp: 24029

Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.1	135.1
152	54.5	43.4	65.2



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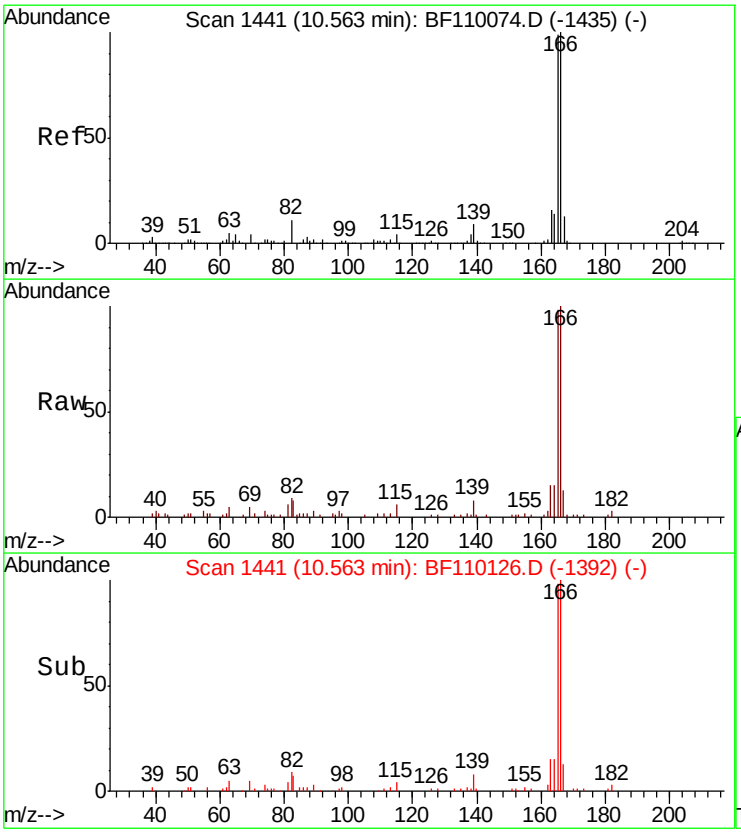
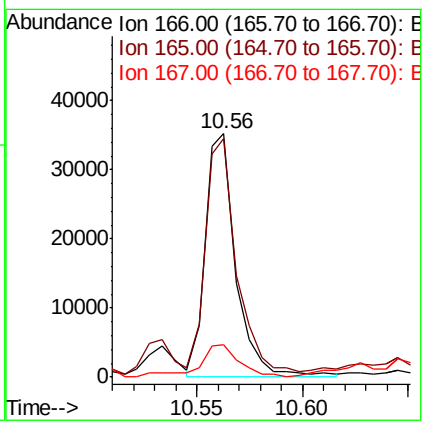
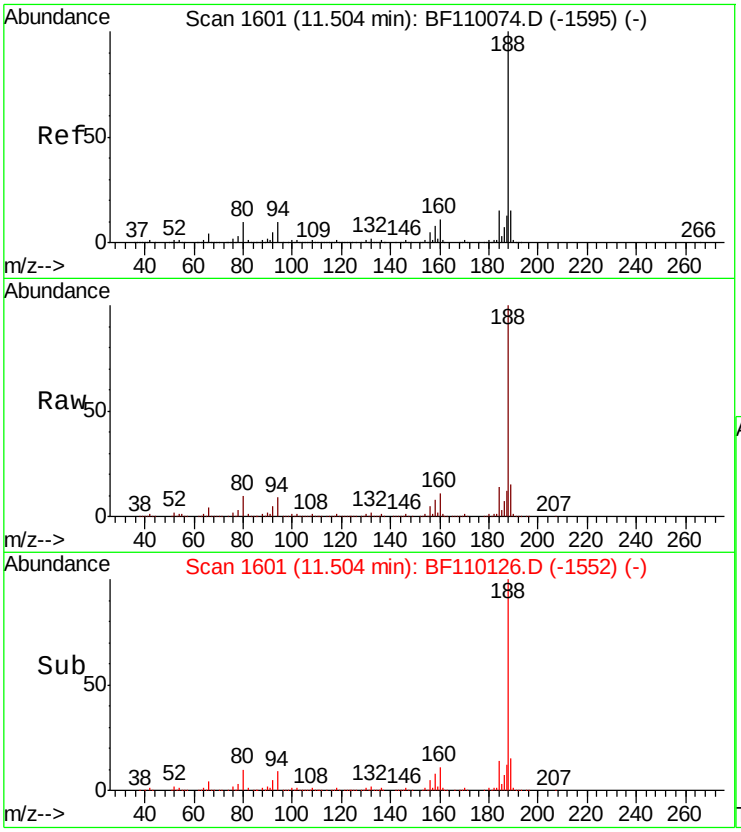


#58
Fluorene
Concen: 3.061 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:166 Resp: 35671

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	117.8
167	13.2	10.8	16.2

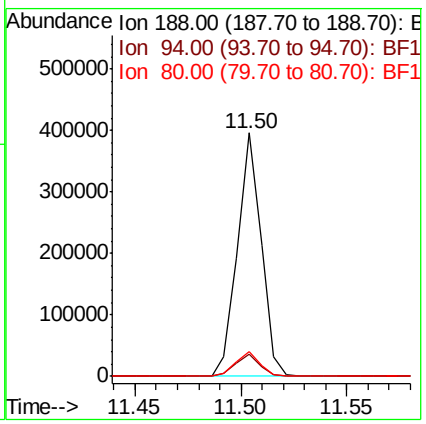




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:188 Resp: 308532

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	10.0	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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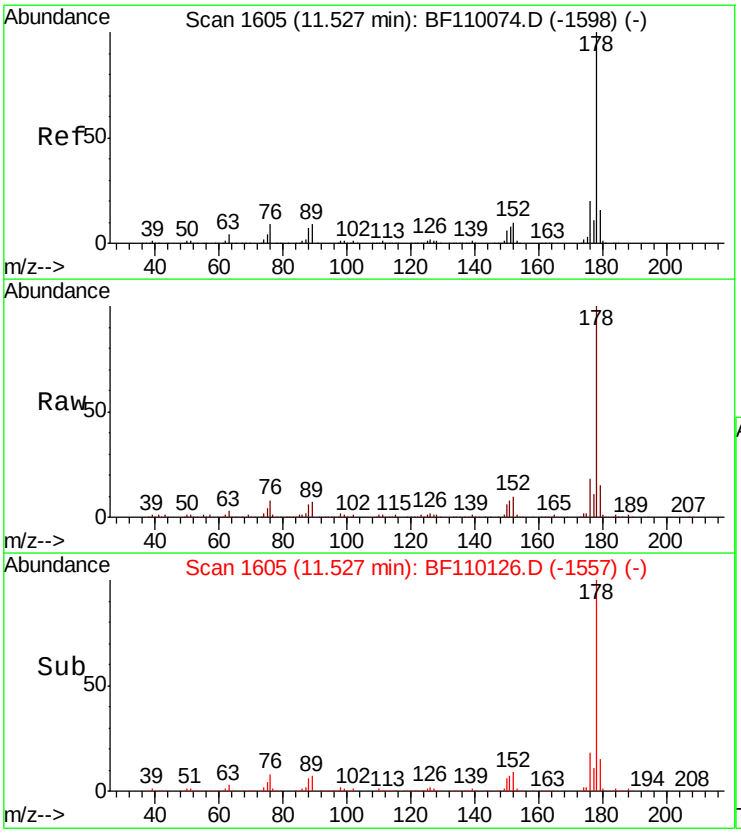
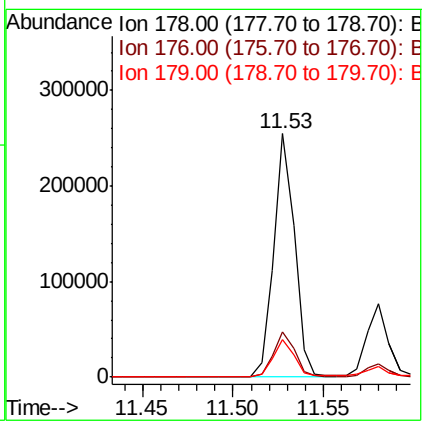
Sohil
10/25/2018 11:15:30 AM

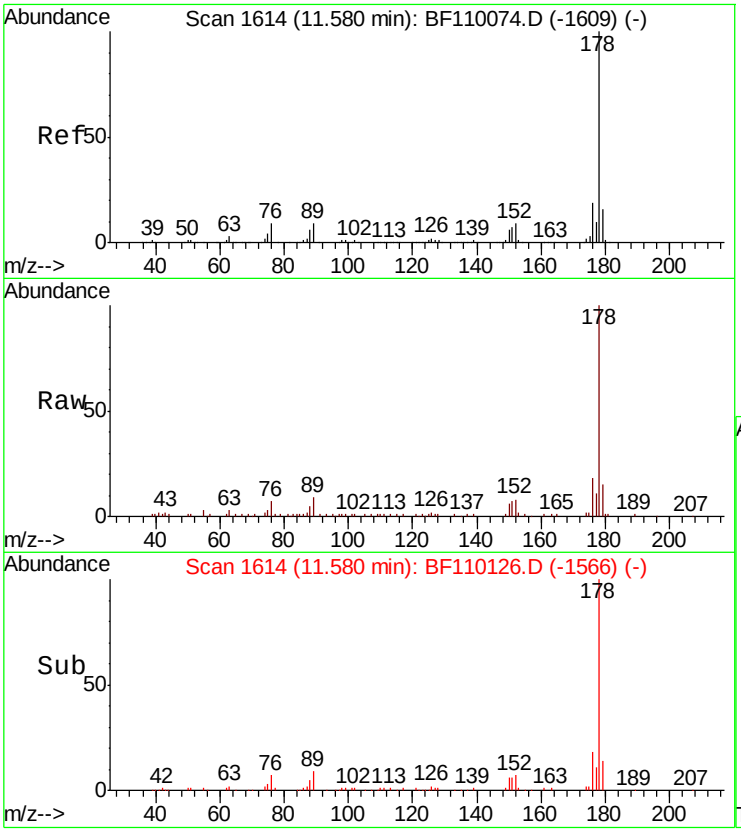


#71
Phenanthrene
Concen: 12.626 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:178 Resp: 203828

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.3	12.5	18.7

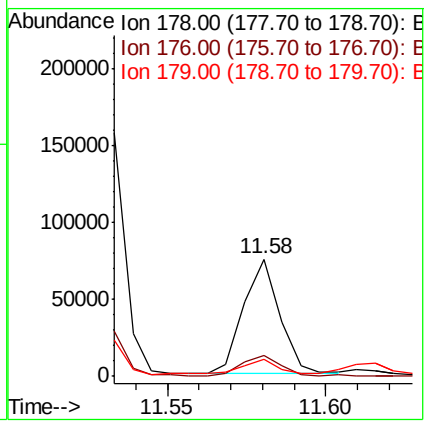




#72
Anthracene
Concen: 3.670 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:178 Resp: 59381

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.8	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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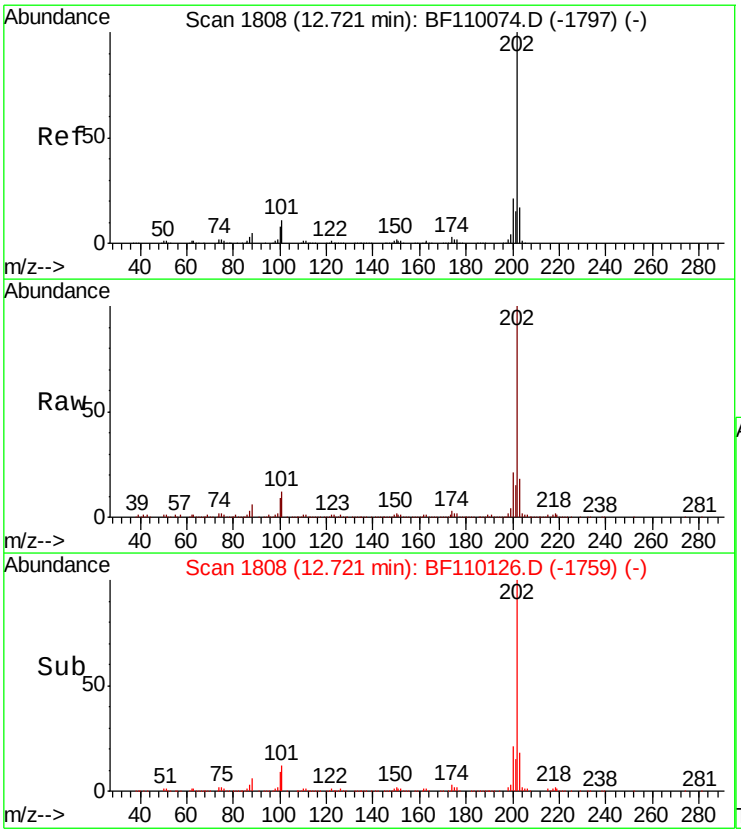
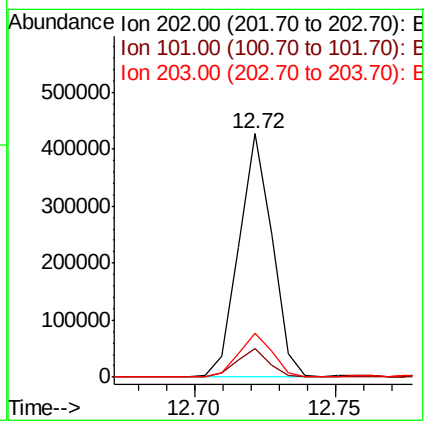
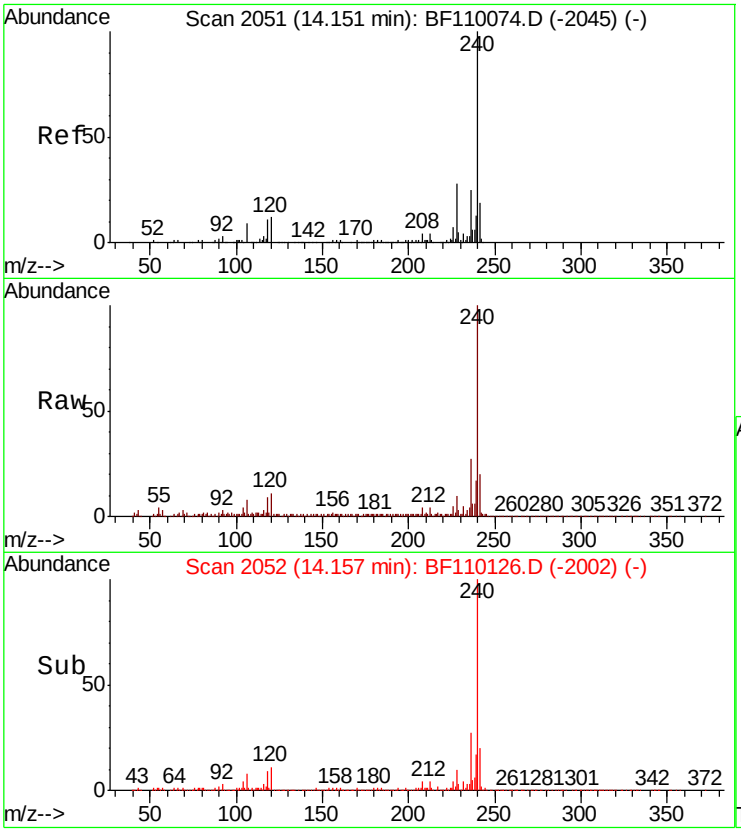


#75
Fluoranthene
Concen: 21.367 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:202 Resp: 350074

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	18.0	0.0	37.7

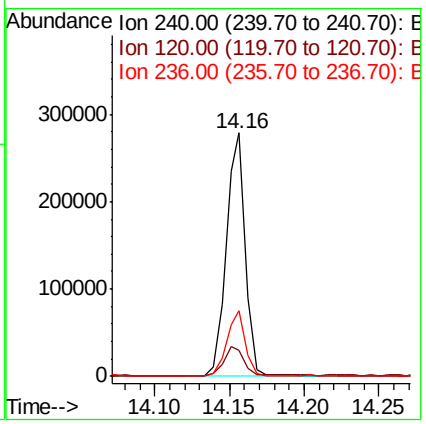




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:240 Resp: 248711

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	27.2	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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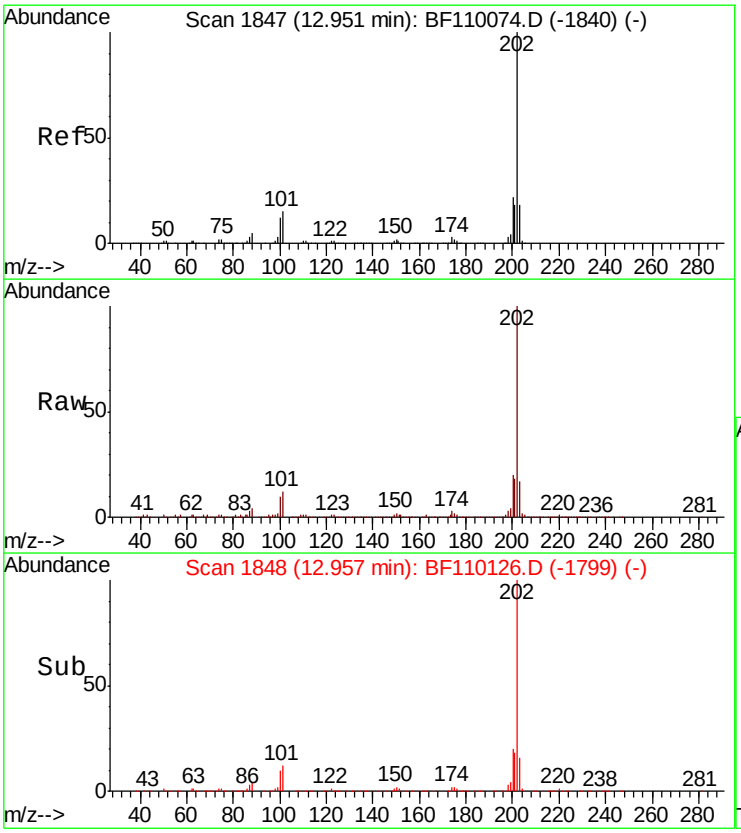
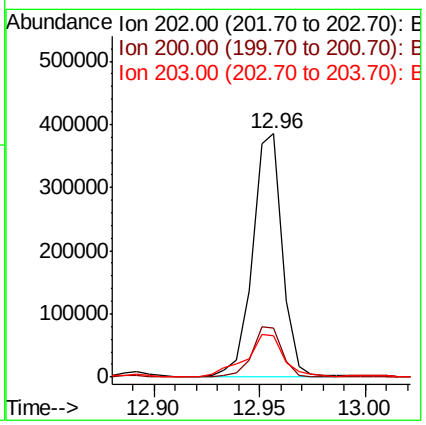
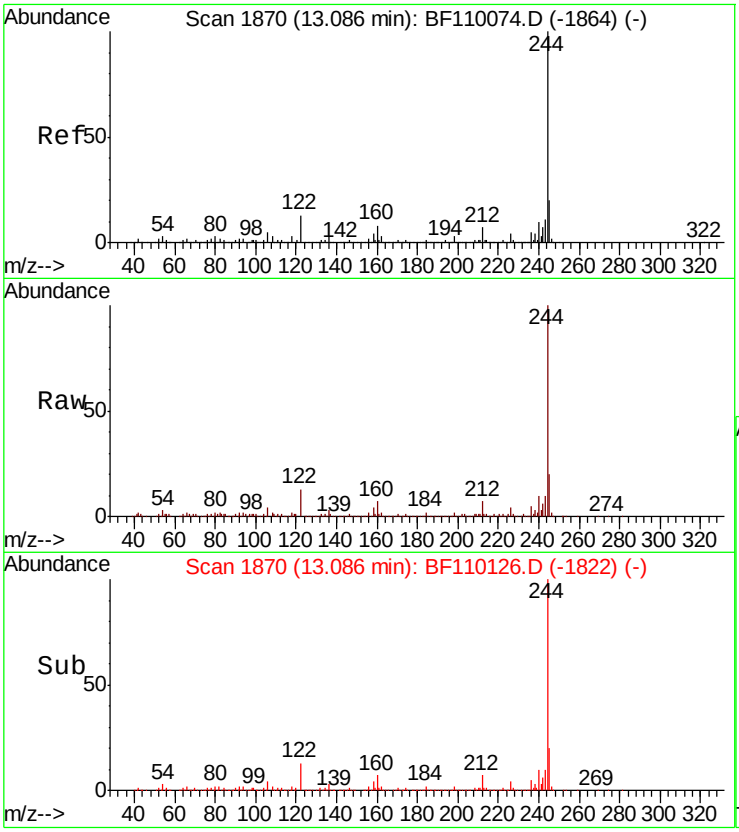


#78
Pyrene
Concen: 21.164 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:202 Resp: 377356

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.8	26.6
203	16.9	14.2	21.4

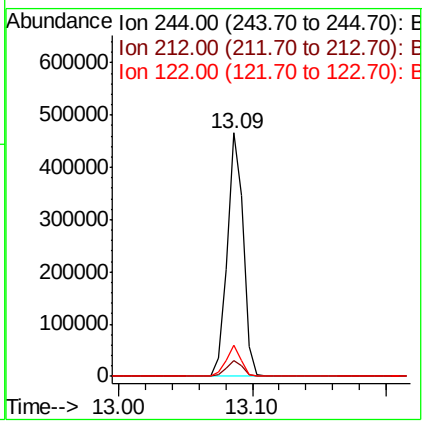




#79
Terphenyl-d14
Concen: 33.026 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:244 Resp: 394958

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.7	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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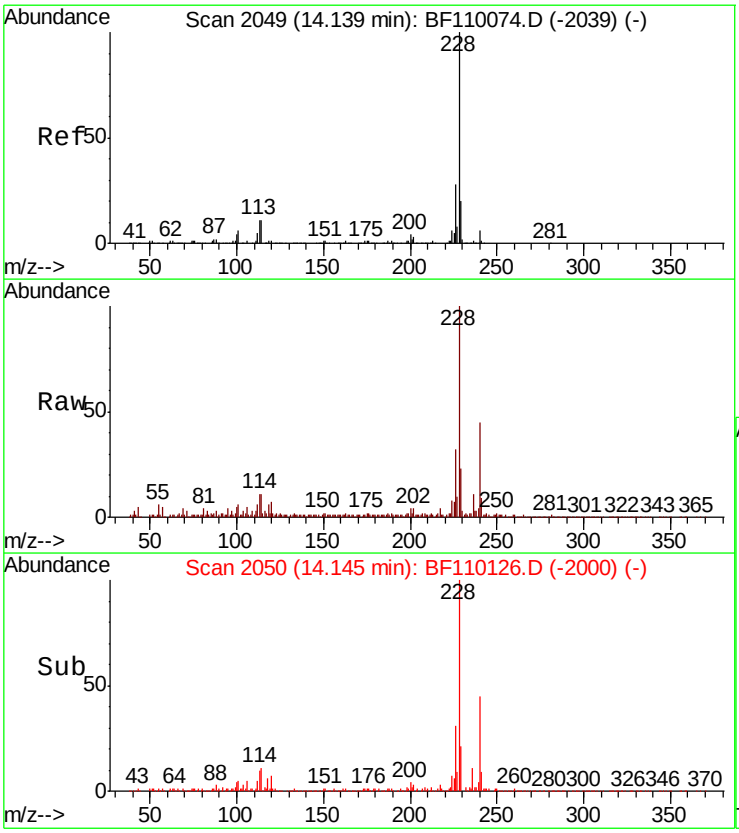
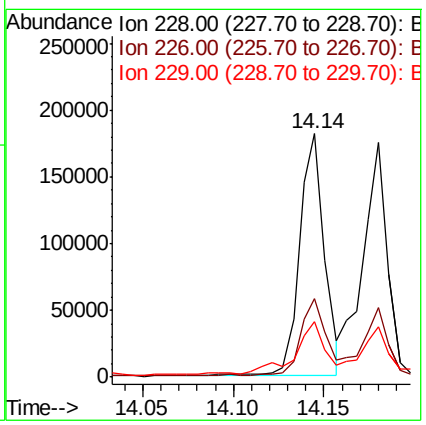
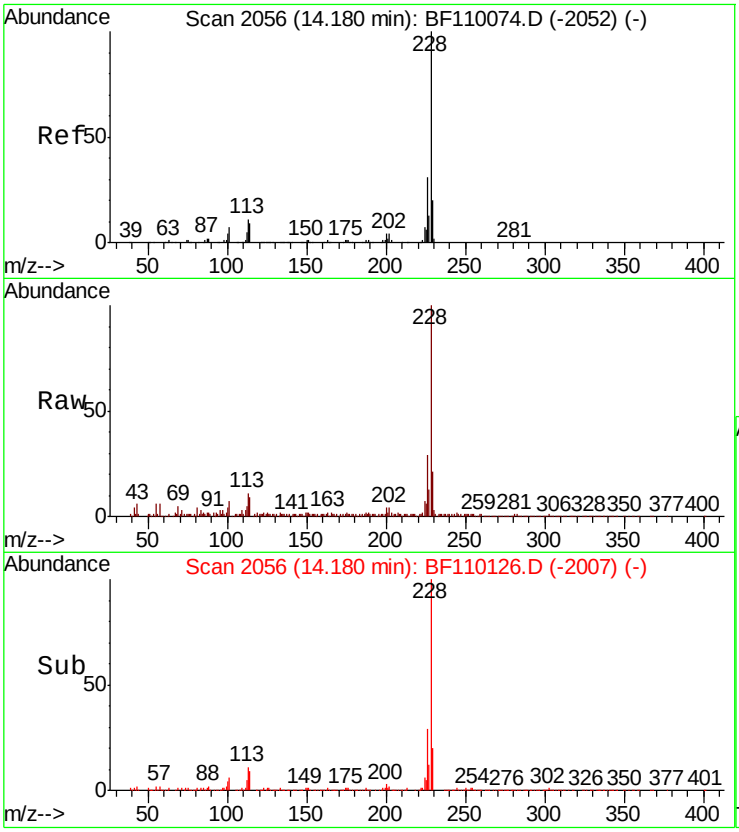


#81
Benzo(a)anthracene
Concen: 11.843 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:228 Resp: 174672

Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.1	33.1
229	22.9	15.6	23.4

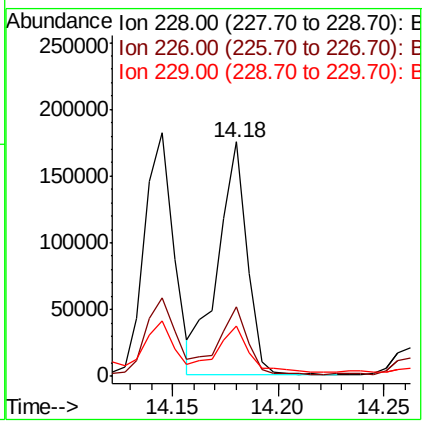




#83
Chrysene
Concen: 11.863 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:228 Resp: 166181

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.7	37.1
229	21.3	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

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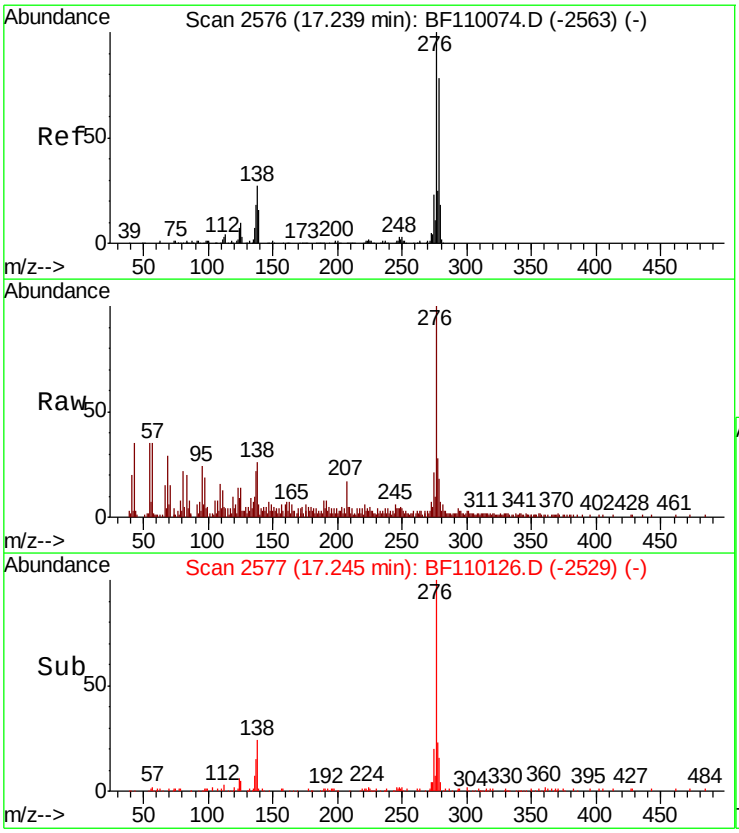
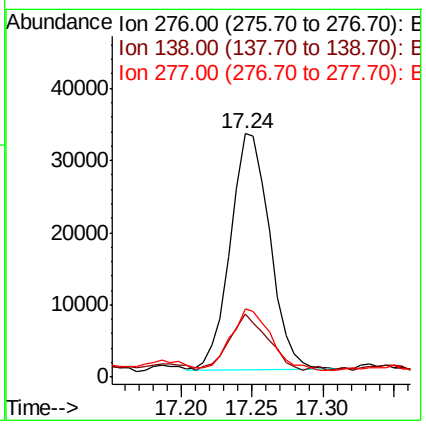
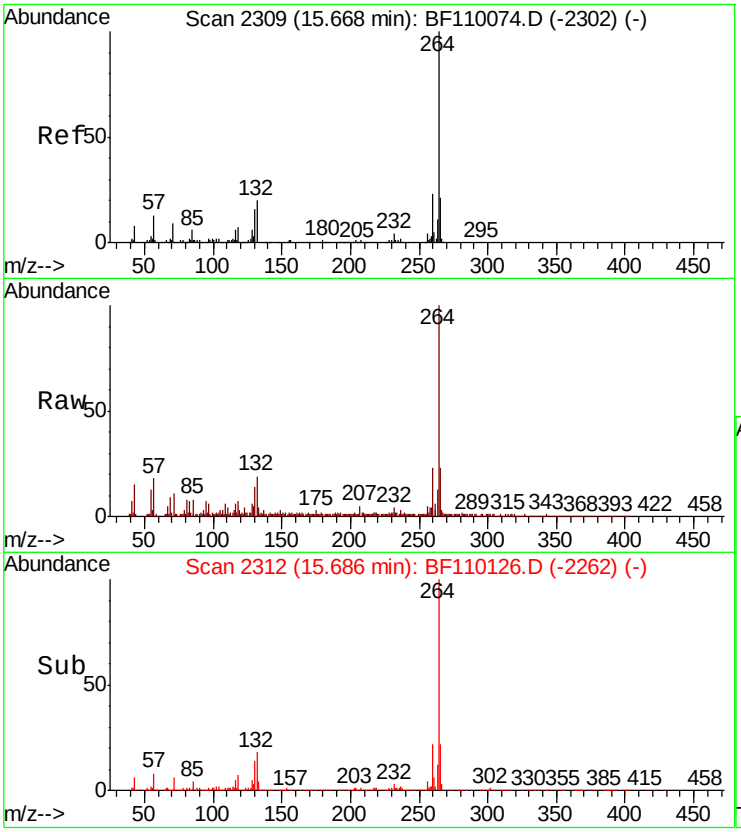


#86
Indeno(1,2,3-cd)pyrene
Concen: 5.529 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:276 Resp: 64254

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.5	27.7
277	26.2	20.0	30.0

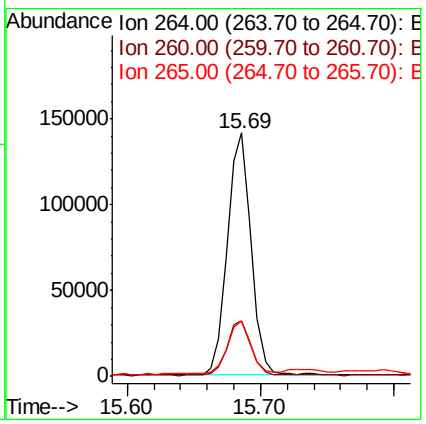




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:264 Resp: 176128

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	22.7	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

Manual Integrations APPROVED
Sohil
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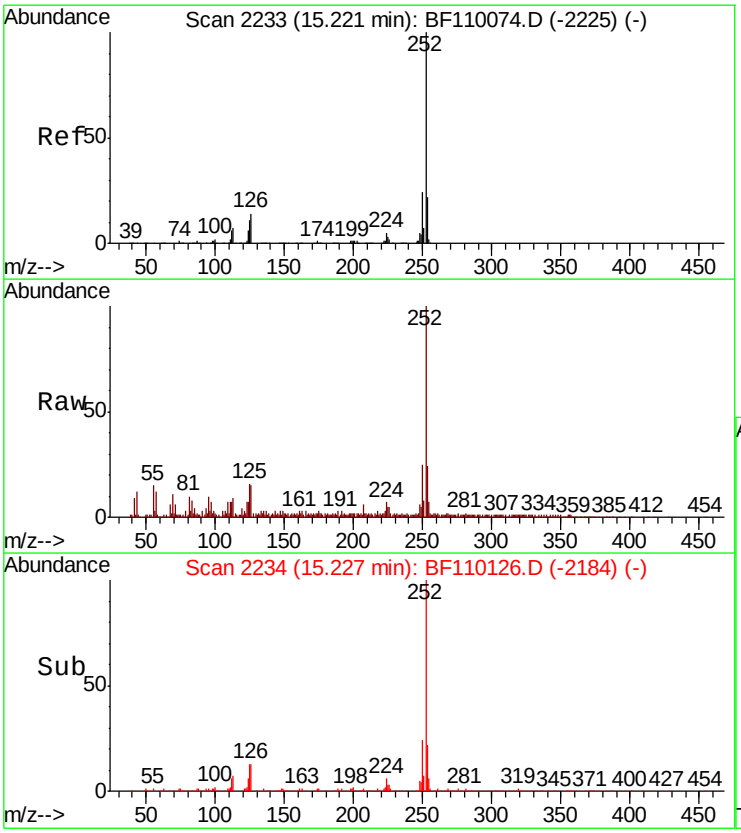
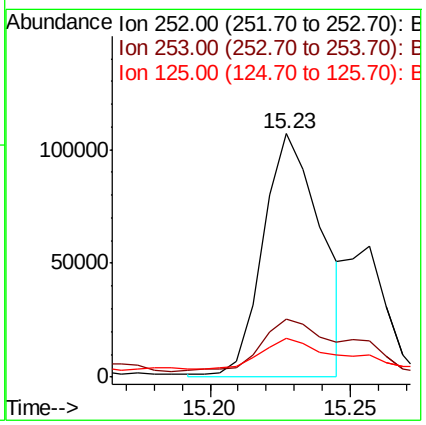
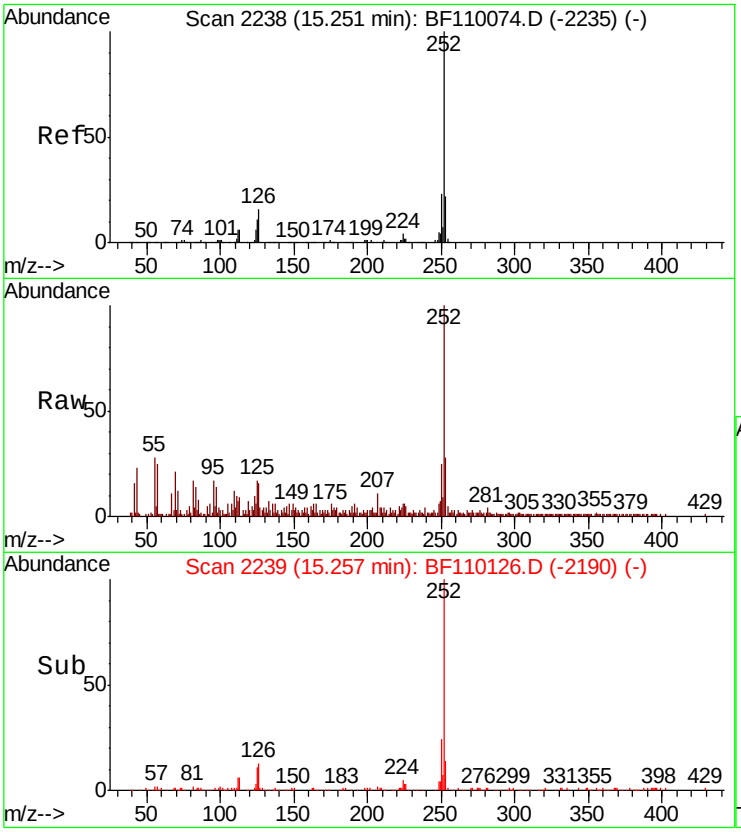


#88
Benzo(b)fluoranthene
Concen: 15.150 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:252 Resp: 154084

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	16.1	8.2	12.4#

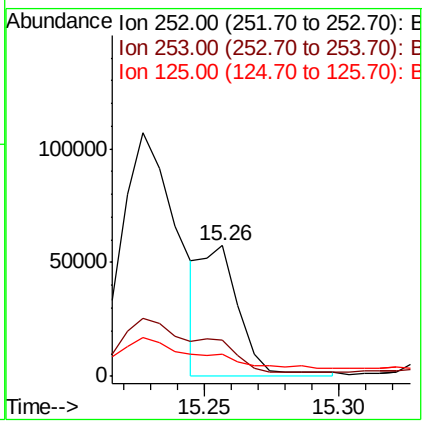




#89
Benzo(k)fluoranthene
Concen: 5.648 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:252 Resp: 56469

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.2	25.8#
125	17.4	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

Manual Integrations APPROVED
Sohil
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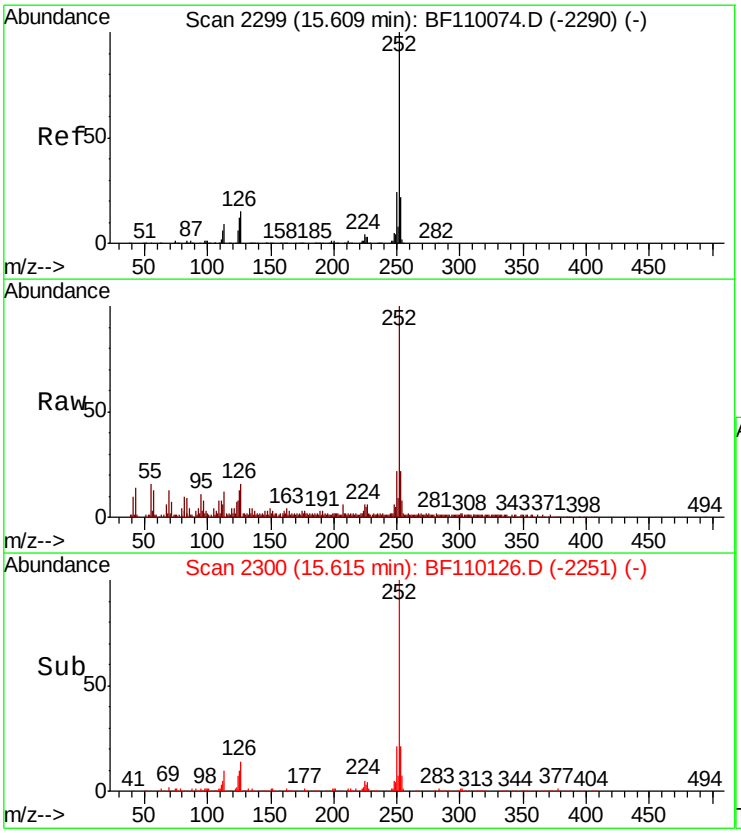
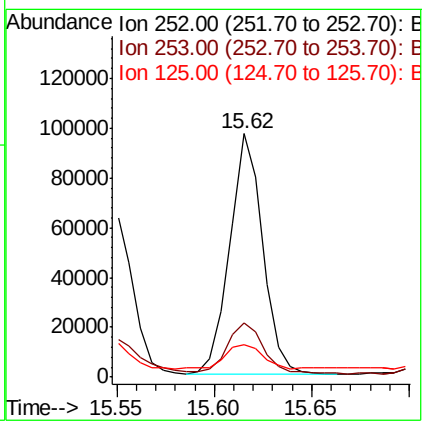
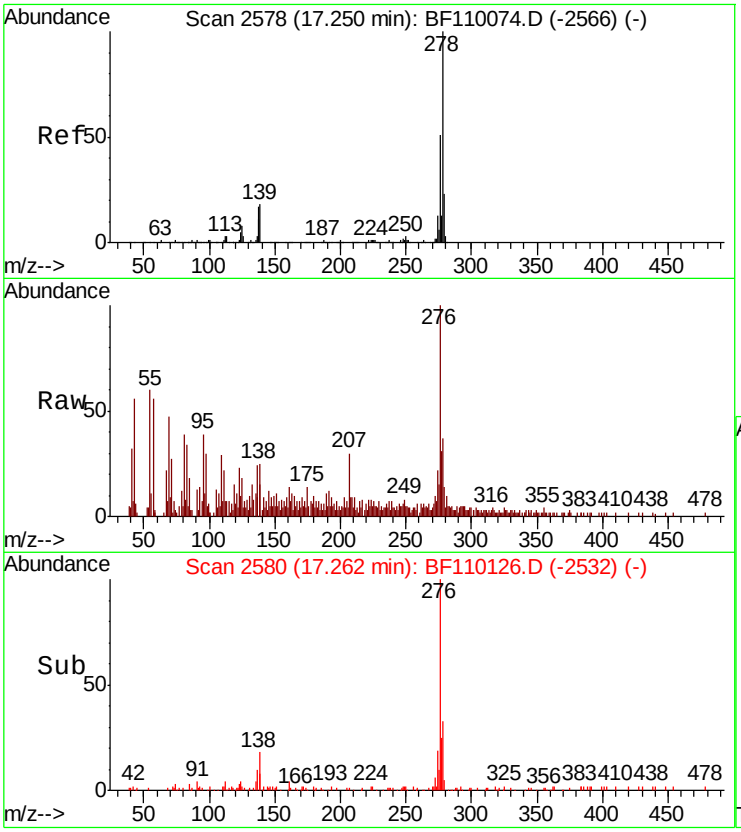


#90
Benzo(a)pyrene
Concen: 12.156 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:252 Resp: 113766

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	13.2	9.0	13.6

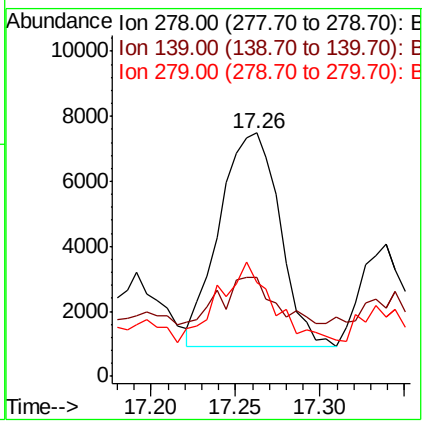




#91
Dibenzo(a,h)anthracene
Concen: 2.024 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.02 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

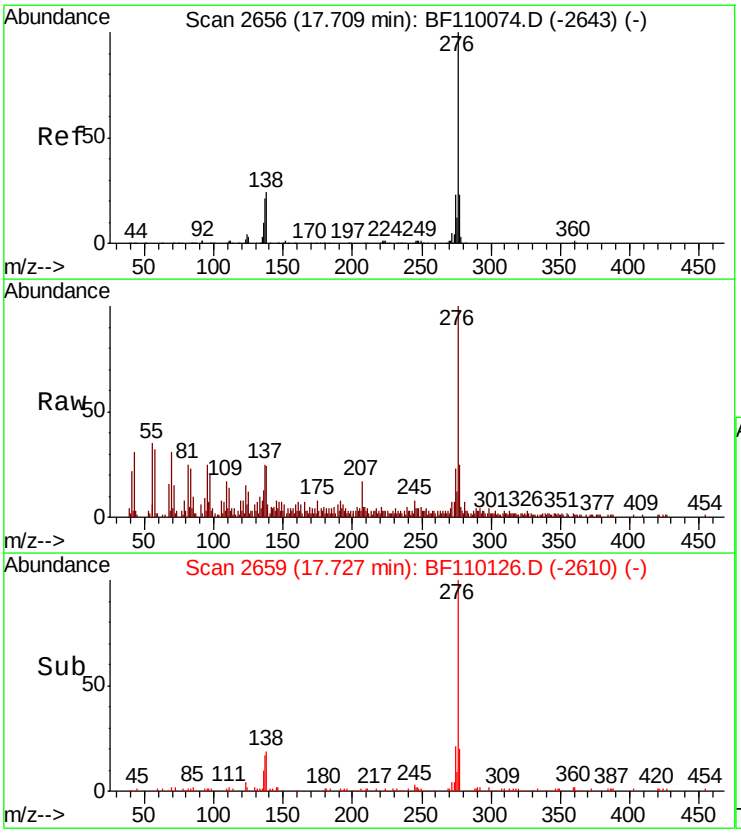
Tgt Ion:278 Resp: 16343

Ion	Ratio	Lower	Upper
278	100		
139	40.4	12.7	19.1#
279	38.8	19.0	28.4#



Instrument :
BNA_F
ClientSampleId :
OK-03-102318

Manual Integrations APPROVED
Sohil
10/25/2018 11:15:30 AM



#92
Benzo(g,h,i)perylene
Concen: 8.196 ng
RT: 17.73 min Scan# 2659
Delta R.T. -0.01 min
Lab File: BF110126.D
Acq: 24 Oct 2018 20:23

Tgt Ion:276 Resp: 65221

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	24.5	16.0	24.0#