Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112118\
Data File : BF110936.D
Acq On : 21 Nov 2018 18:52
Operator : JU/SJ
Sample : J5996-25 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC1-06-A

Manual Integrations APPROVED
mohammad
11/23/2018 11:49:13 AM

Quant Time: Nov 23 02:00:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	62764	20.00	ng		0.00
21) Naphthalene-d8	8.22	136	240209	20.00	ng		0.00
39) Acenaphthene-d10	9.98	164	97299	20.00	ng		-0.01
64) Phenanthrene-d10	11.48	188	161209	20.00	ng		0.00
76) Chrysene-d12	14.13	240	111876	20.00	ng		0.00
87) Perylene-d12	15.67	264	77116	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.56	112	125262	32.42	ng		0.00
7) Phenol-d6	6.56	99	247303	50.05	ng		-0.01
23) Nitrobenzene-d5	7.51	82	163818	39.27	ng		0.00
42) 2,4,6-Tribromophenol	10.79	330	10053	10.25	ng		0.00
45) 2-Fluorobiphenyl	9.29	172	294604	43.24	ng		-0.01
79) Terphenyl-d14	13.06	244	252065	42.19	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.58	94	11949	2.086	ng		93
50) Dimethylphthalate	9.69	163	19011	2.619	ng		97
75) Fluoranthene	12.70	202	49944	5.768	ng		98
78) Pyrene	12.93	202	50929	5.912	ng		96
81) Benzo(a)anthracene	14.13	228	23769	3.555	ng	#	91
83) Chrysene	14.16	228	26917	4.225	ng	#	87
86) Indeno(1,2,3-cd)pyrene	17.28	276	11667	2.552	ng	#	91
88) Benzo(b)fluoranthene	15.22	252	27449m	5.950	ng		
90) Benzo(a)pyrene	15.61	252	17401	4.151	ng	#	69
92) Benzo(g,h,i)perylene	17.77	276	14624m	4.155	ng		

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

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Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

Manual Integrations APPROVED
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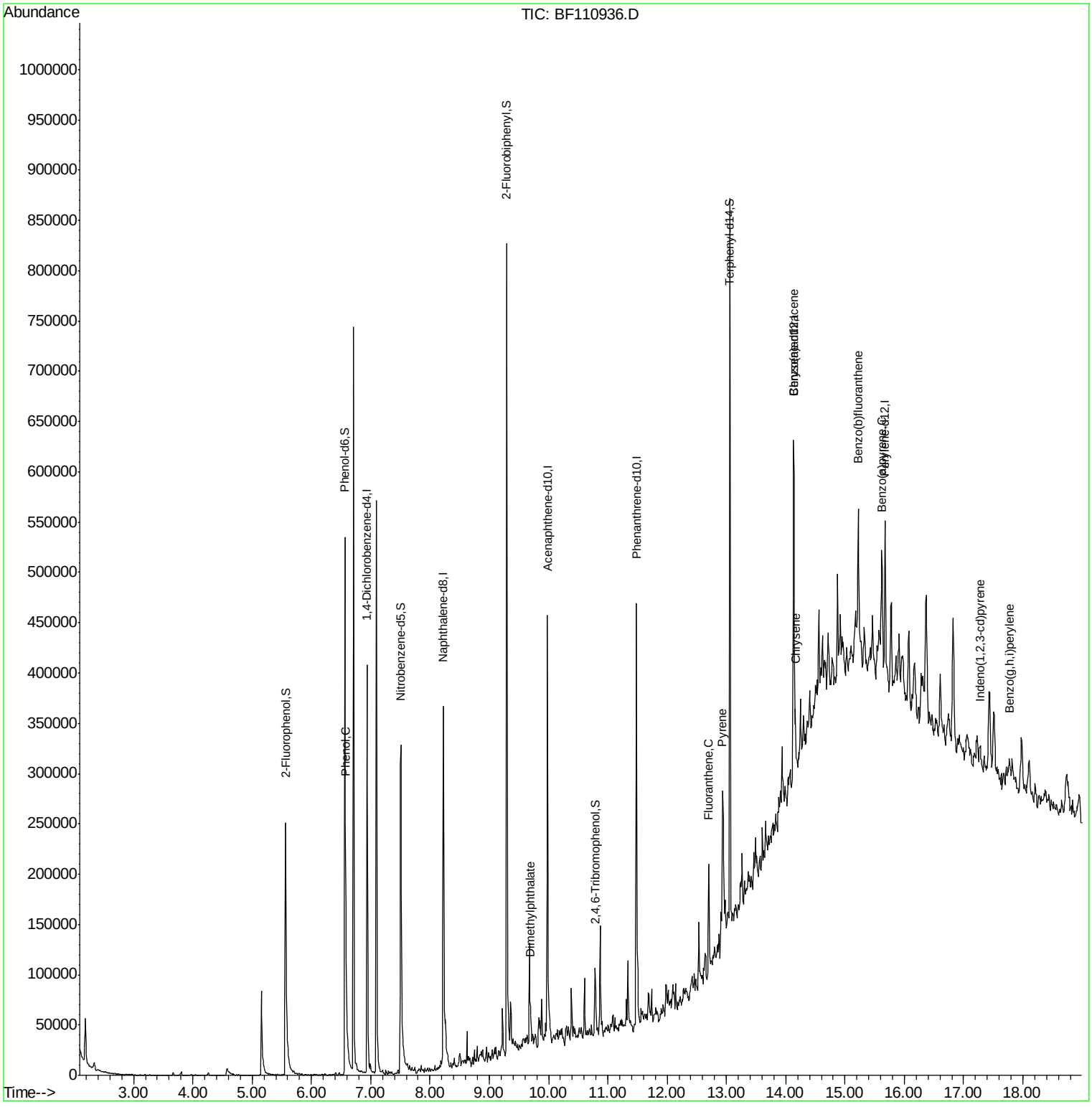
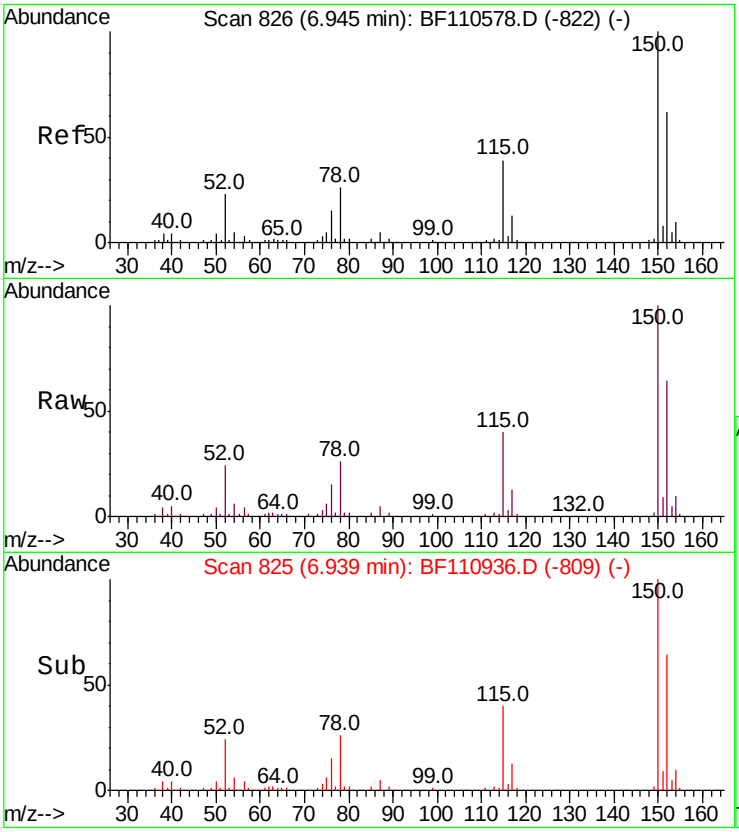
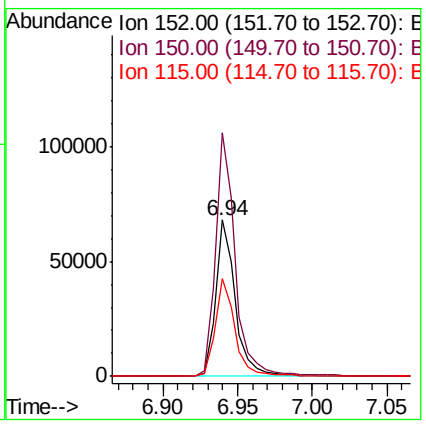




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:152 Resp: 62764

Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.7	184.1
115	62.2	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

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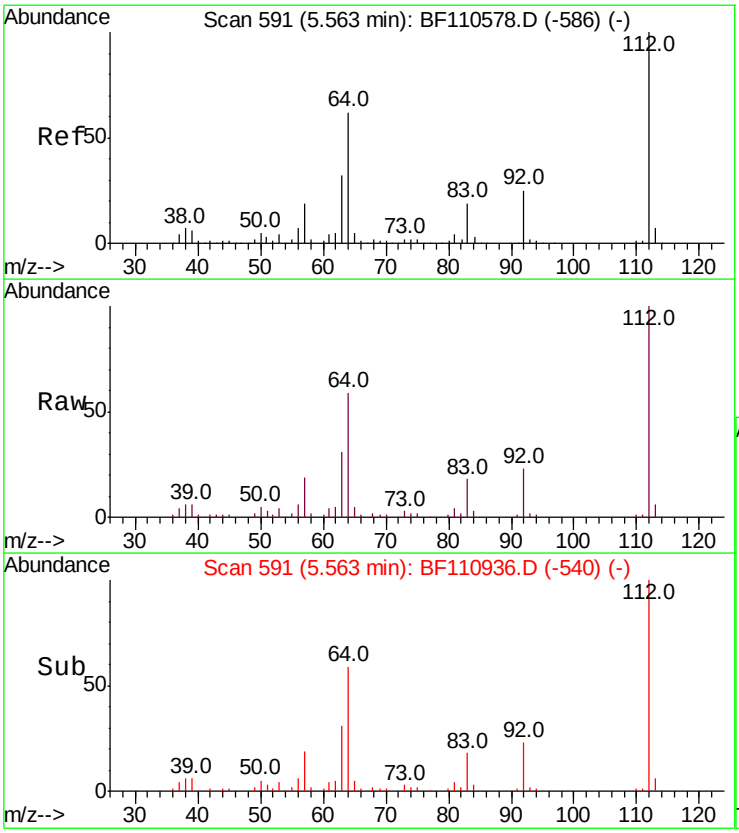
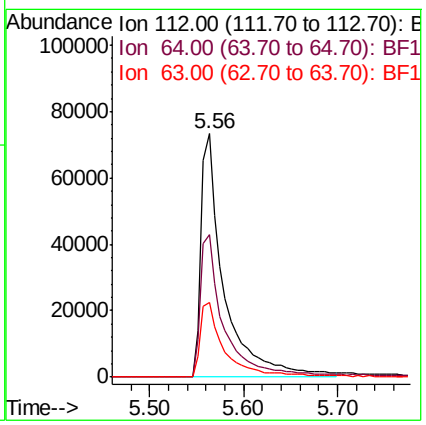
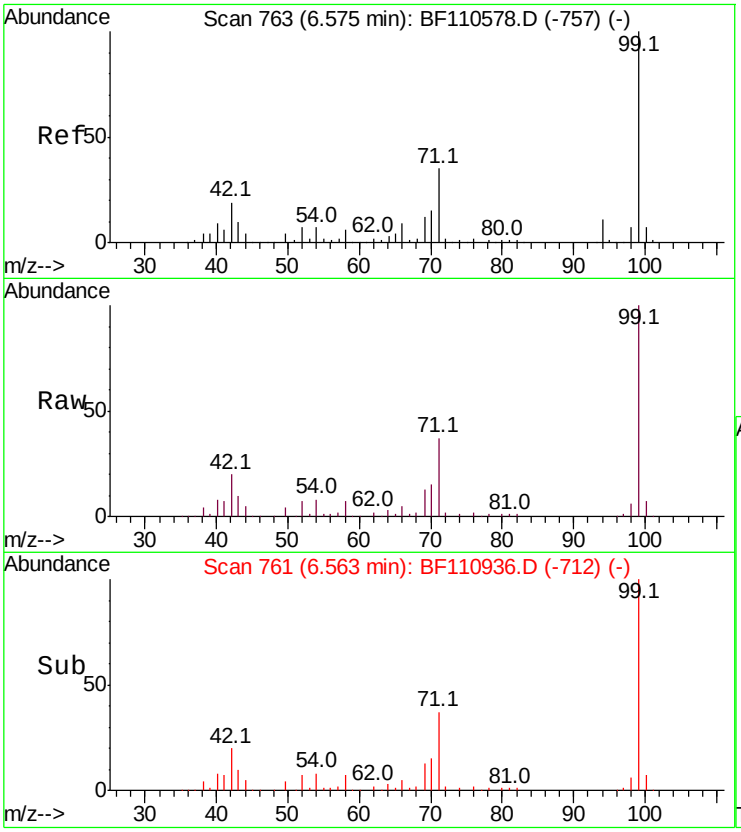


#5
2-Fluorophenol
Concen: 32.417 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:112 Resp: 125262

Ion	Ratio	Lower	Upper
112	100		
64	58.5	44.1	66.1
63	30.6	23.7	35.5

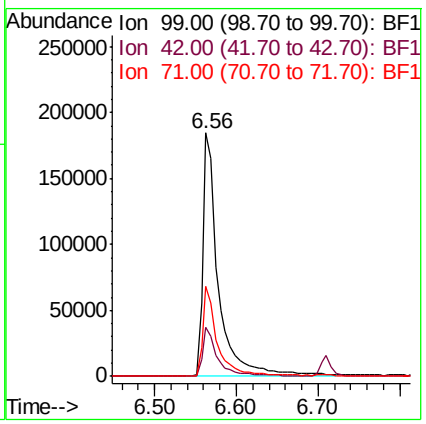




#7
Phenol-d6
Concen: 50.050 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion: 99 Resp: 247303

Ion	Ratio	Lower	Upper
99	100		
42	20.2	15.8	23.6
71	36.8	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

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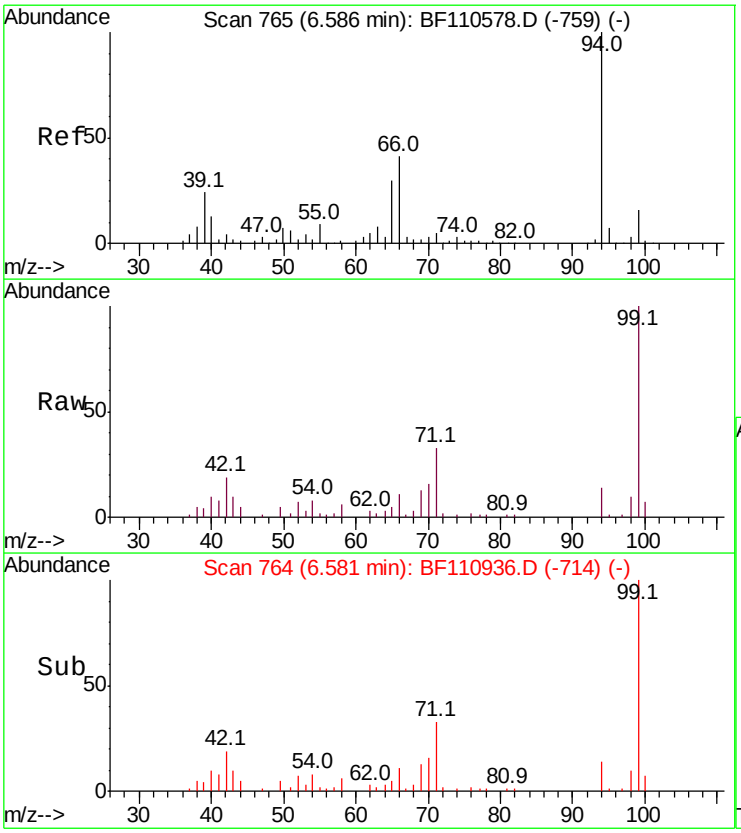
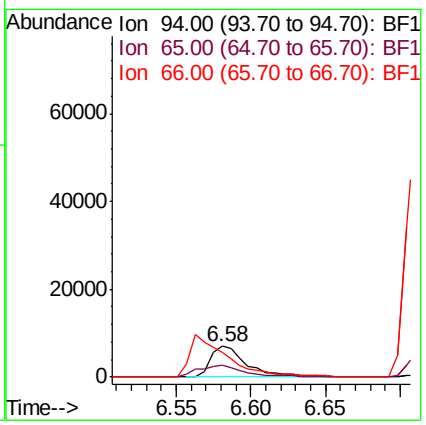
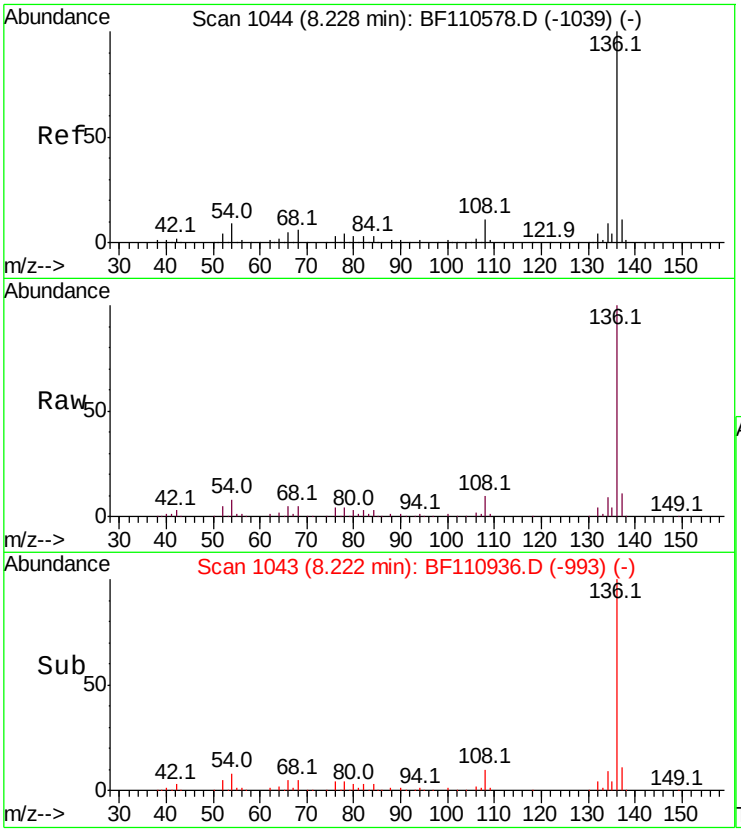


#10
Phenol
Concen: 2.086 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion: 94 Resp: 11949

Ion	Ratio	Lower	Upper
94	100		
65	38.4	25.3	65.3
66	78.4	54.5	94.5

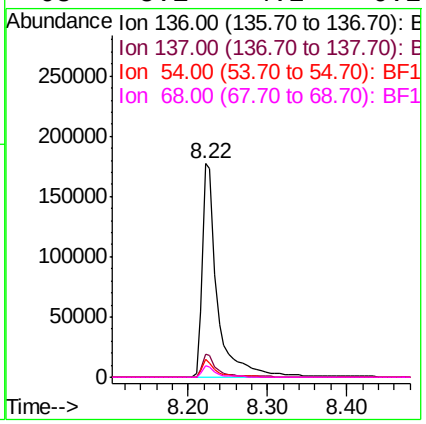




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:136 Resp: 240209

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.4	5.4	8.2#
68	5.1	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

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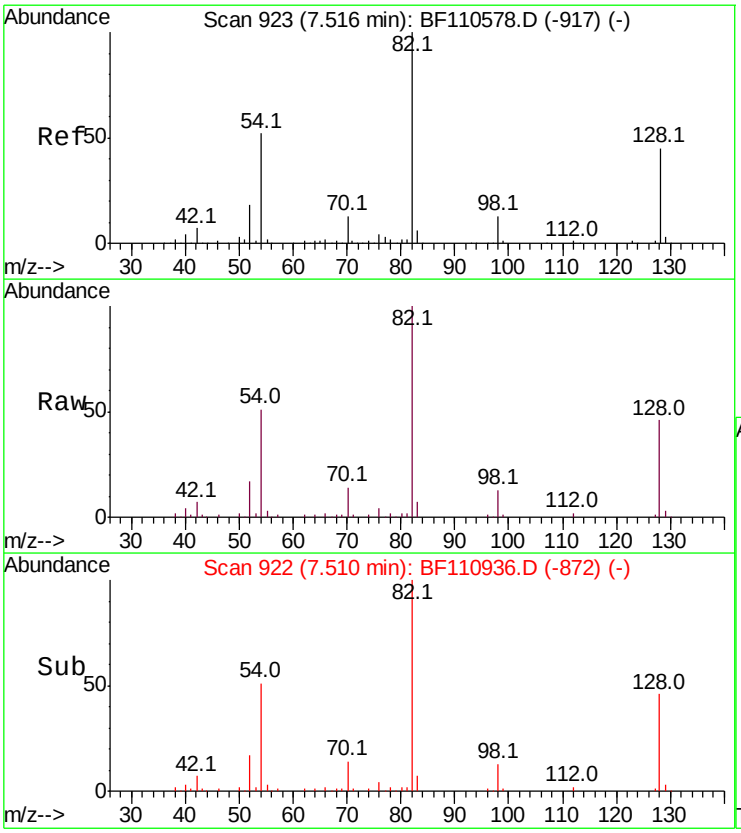
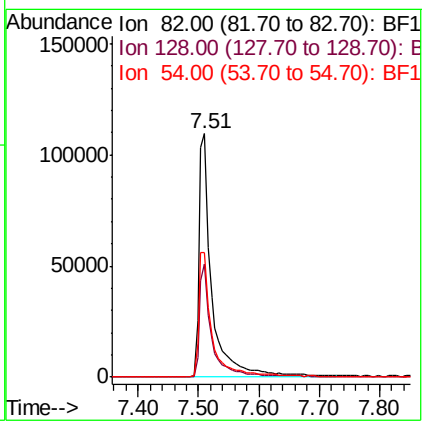
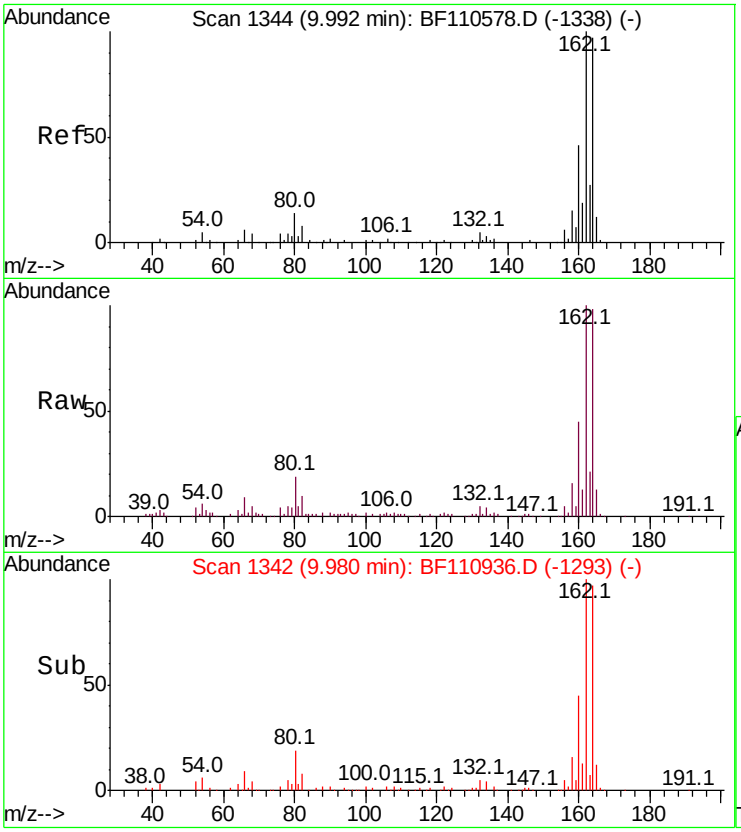


#23
Nitrobenzene-d5
Concen: 39.275 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion: 82 Resp: 163818

Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.2	51.2
54	51.2	38.6	58.0

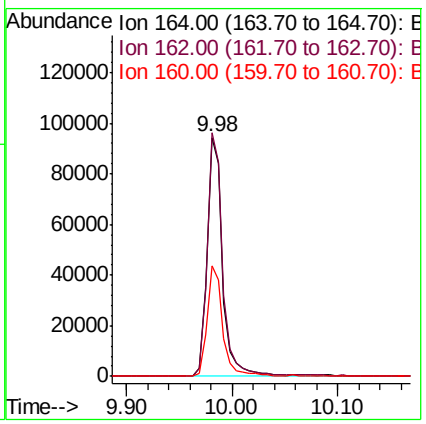




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:164 Resp: 97299

Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.0	124.6
160	46.0	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
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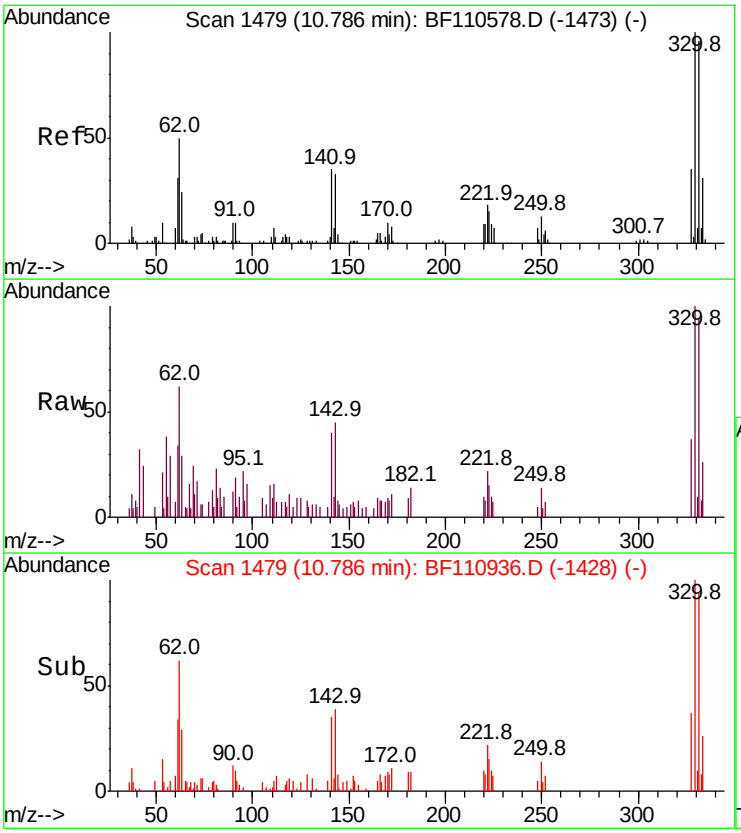
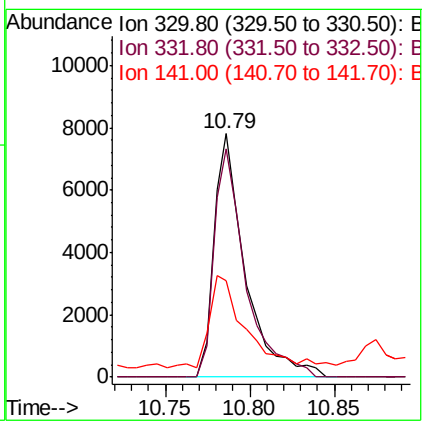
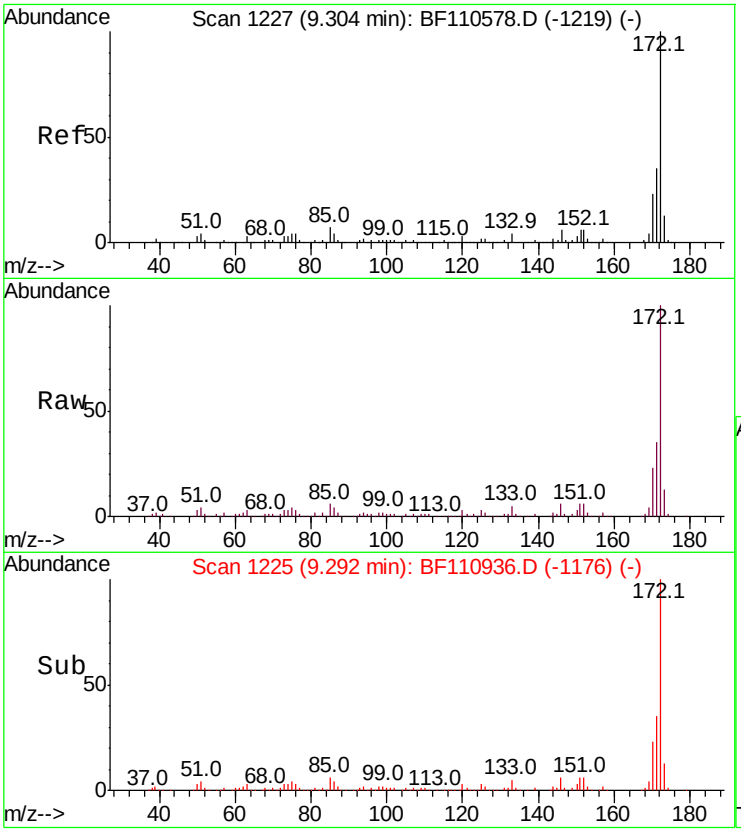


#42
2,4,6-Tribromophenol
Concen: 10.254 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:330 Resp: 10053

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.1	115.7
141	41.3	27.0	40.4#

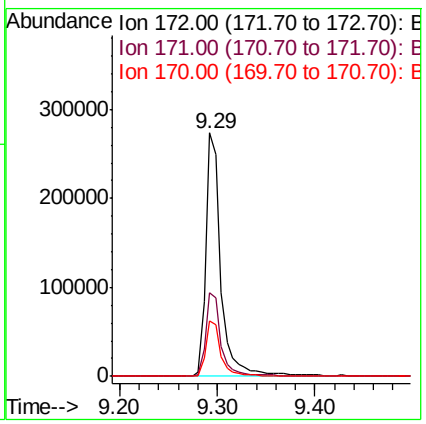




#45
2-Fluorobiphenyl
Concen: 43.243 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:172 Resp: 294604

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.9	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
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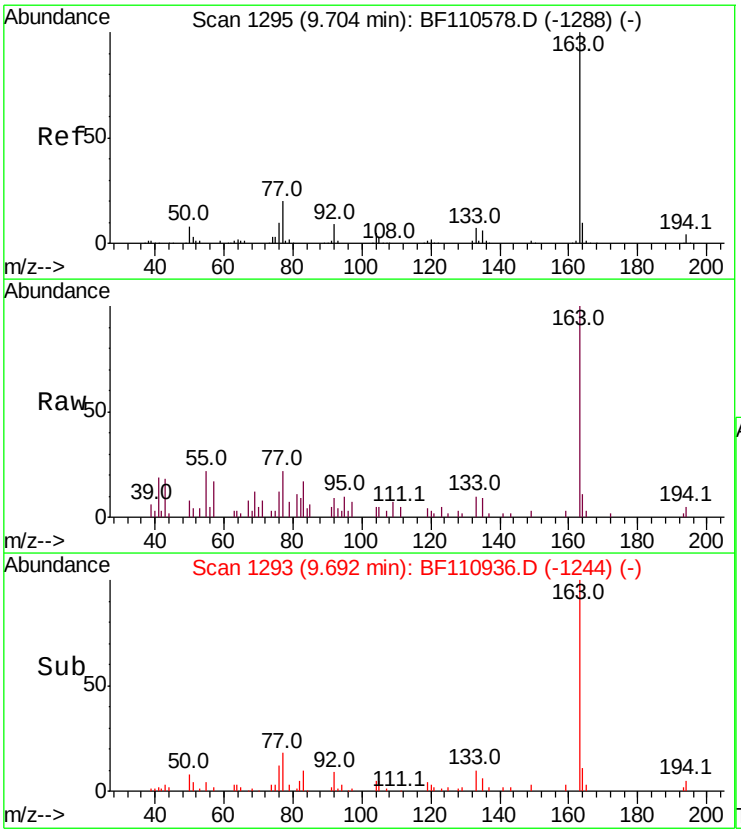
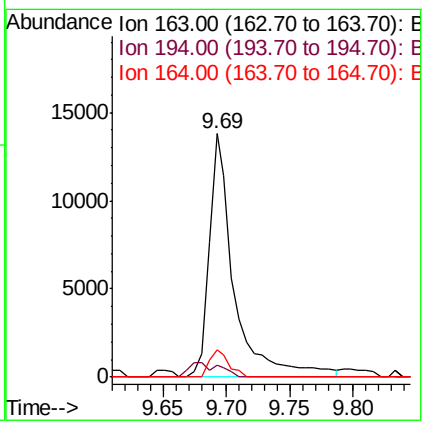
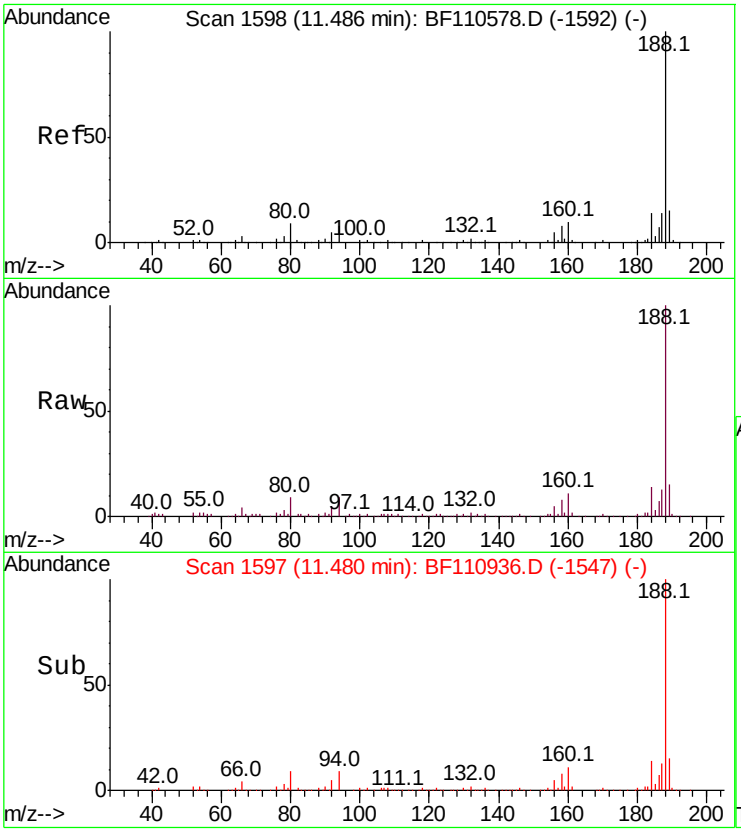


#50
Dimethylphthalate
Concen: 2.619 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:163 Resp: 19011

Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.2	4.8
164	11.1	8.1	12.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:188 Resp: 161209

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.1	7.9	11.9

Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

Manual Integrations APPROVED
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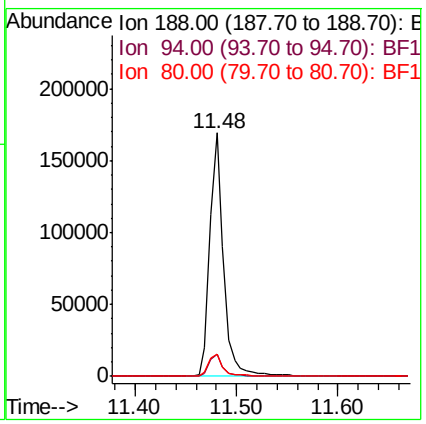
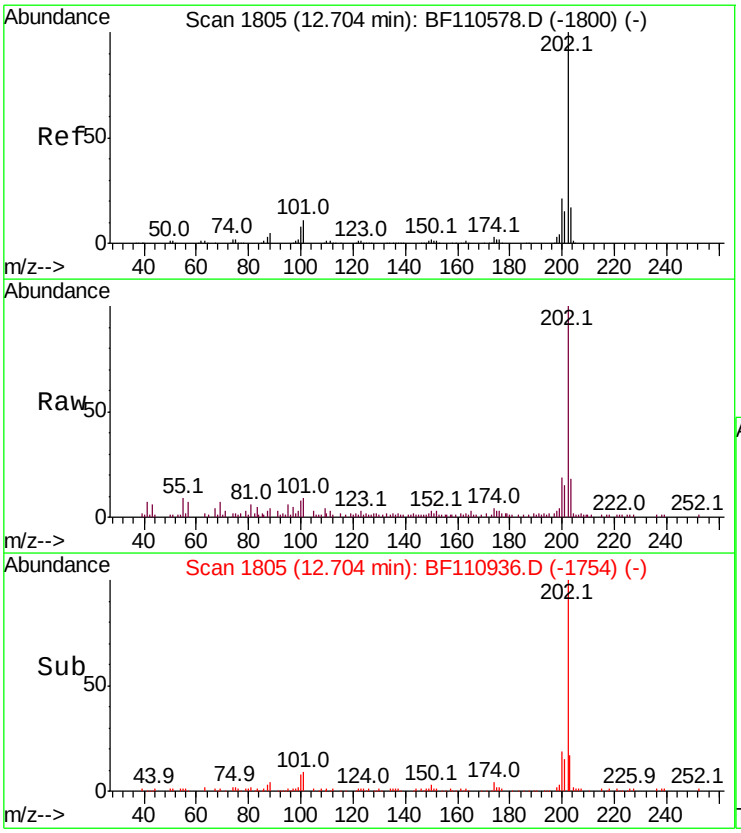
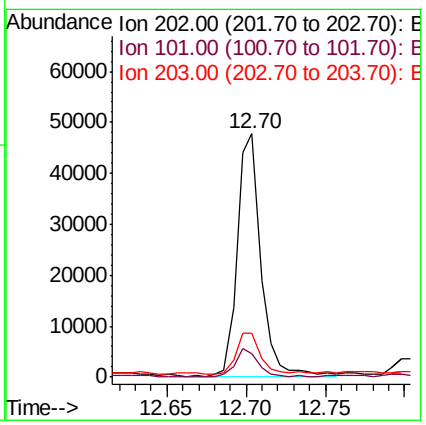


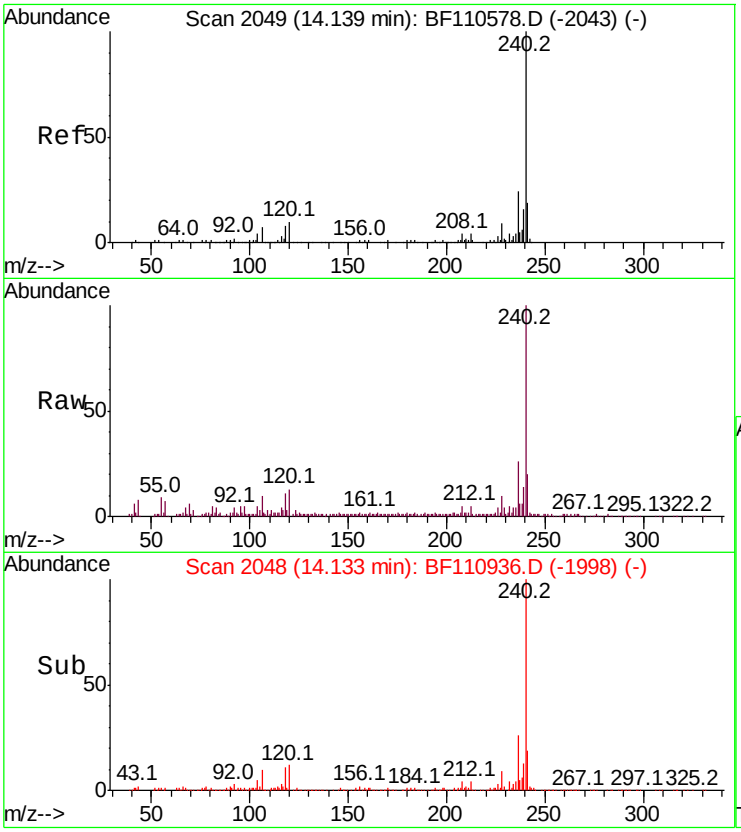


#75
Fluoranthene
Concen: 5.768 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:202 Resp: 49944

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.4
203	17.8	0.0	37.7

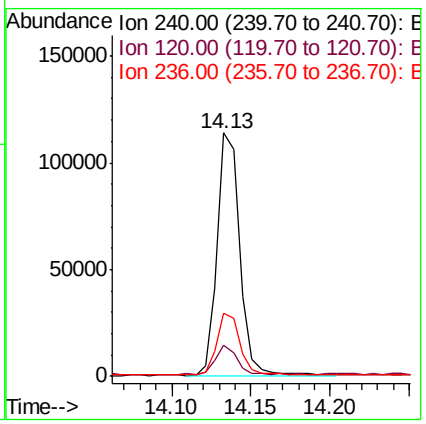




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:240 Resp: 111876

Ion	Ratio	Lower	Upper
240	100		
120	12.7	8.3	12.5#
236	26.1	21.2	31.8



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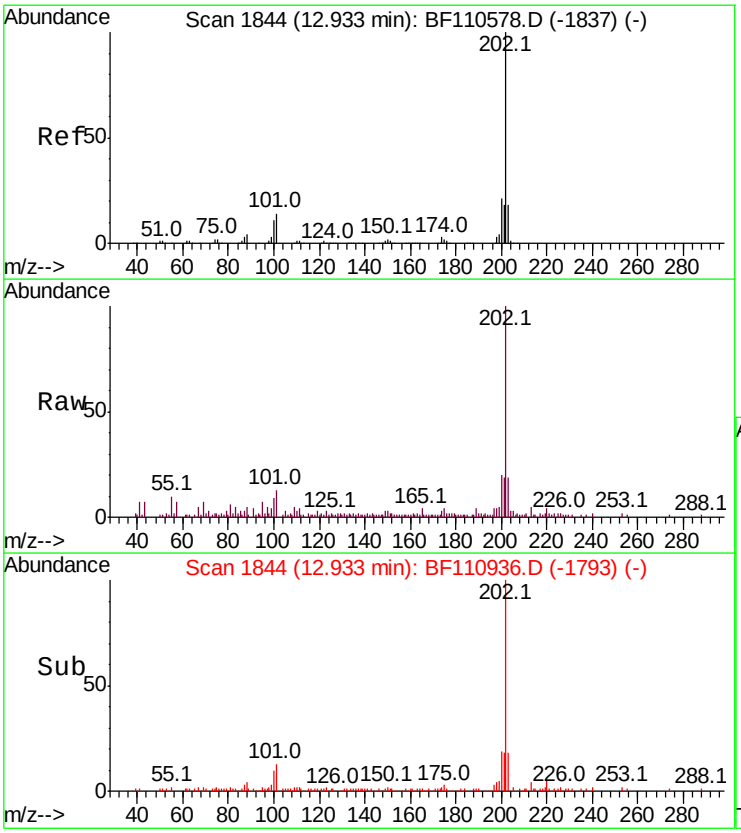
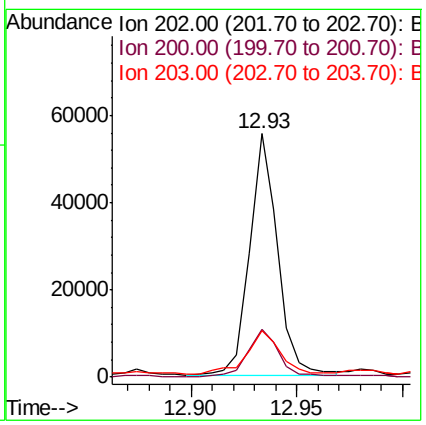
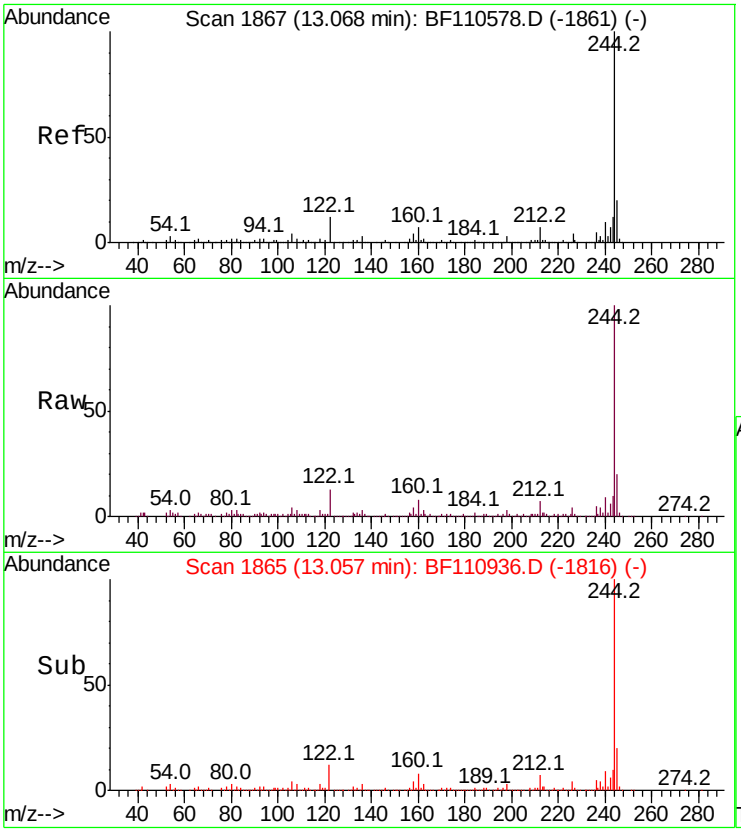


#78
Pyrene
Concen: 5.912 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:202 Resp: 50929

Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.8	26.6
203	19.2	14.2	21.4

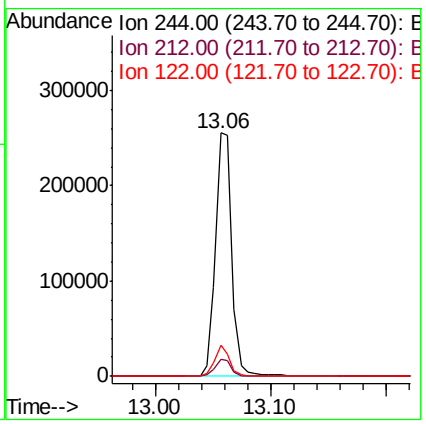




#79
Terphenyl-d14
Concen: 42.195 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

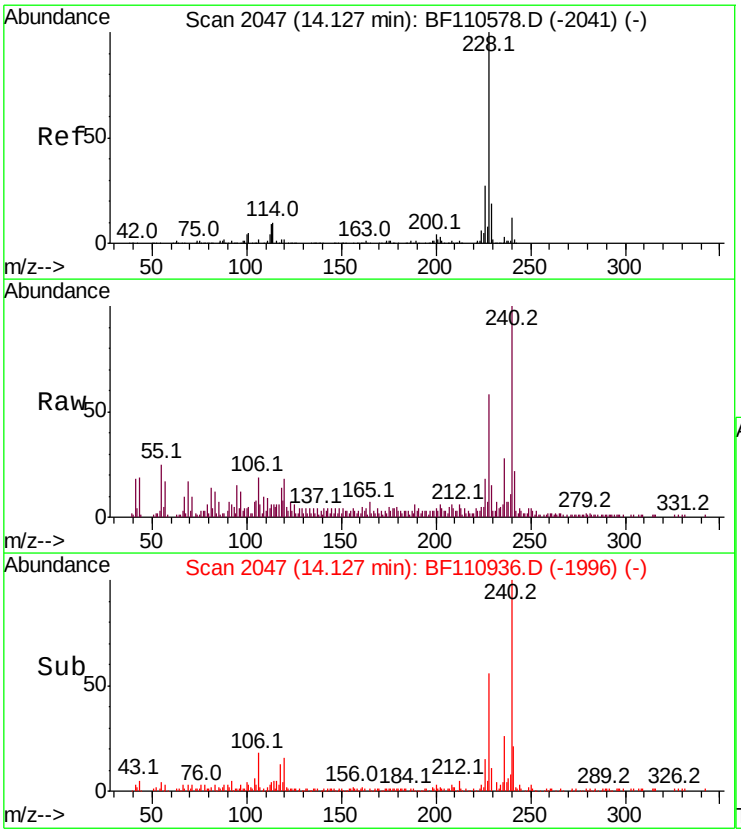
Tgt Ion:244 Resp: 252065

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.6	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

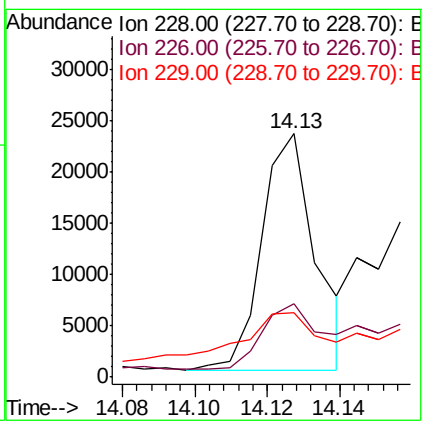
Manual Integrations APPROVED
mohammad
11/23/2018 11:49:13 AM

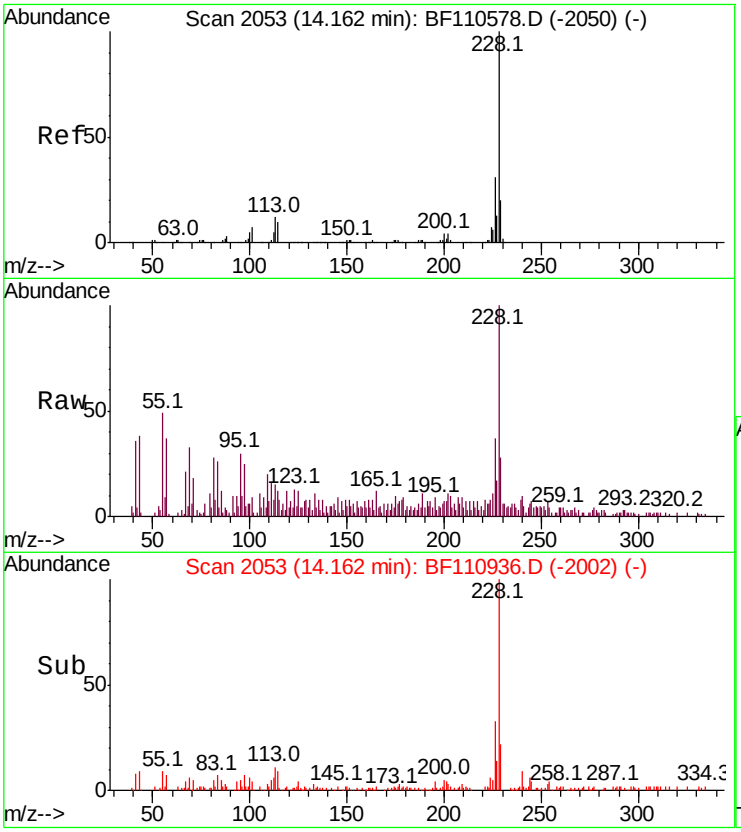


#81
Benzo(a)anthracene
Concen: 3.555 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:228 Resp: 23769

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	26.5	15.6	23.4#

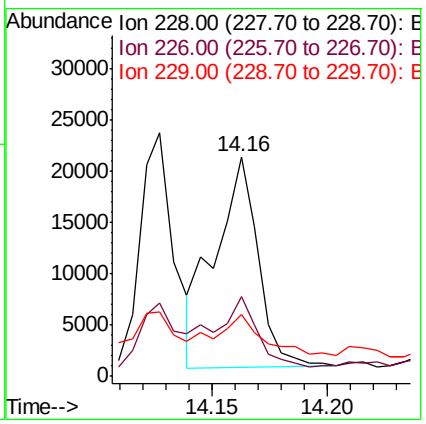




#83
Chrysene
Concen: 4.225 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:228 Resp: 26917

Ion	Ratio	Lower	Upper
228	100		
226	36.6	24.7	37.1
229	28.0	15.9	23.9#



Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

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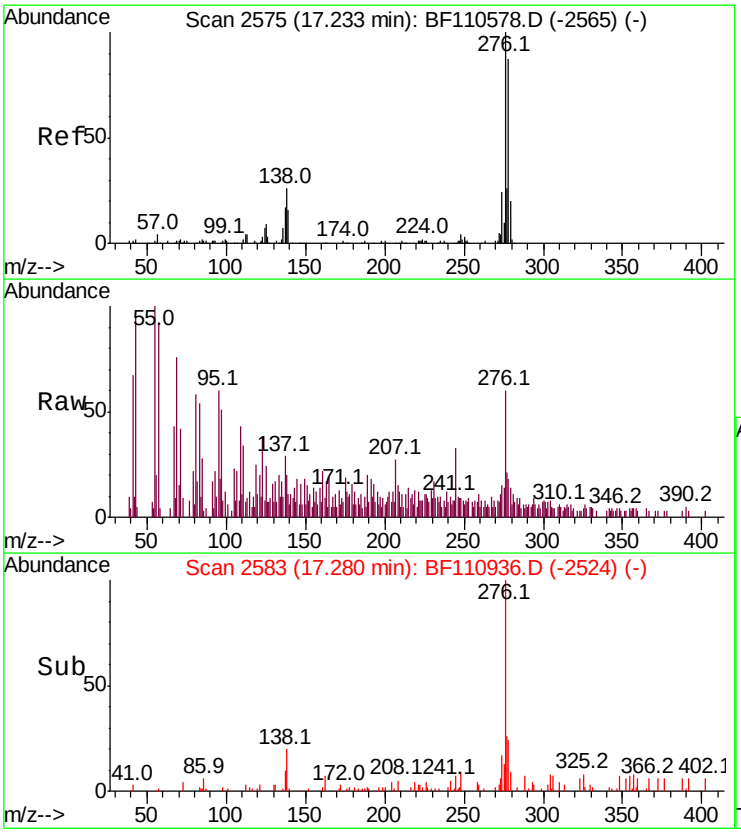
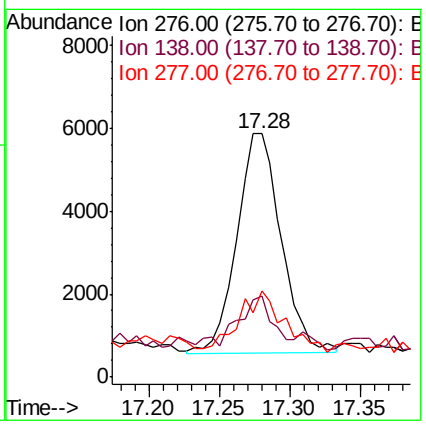
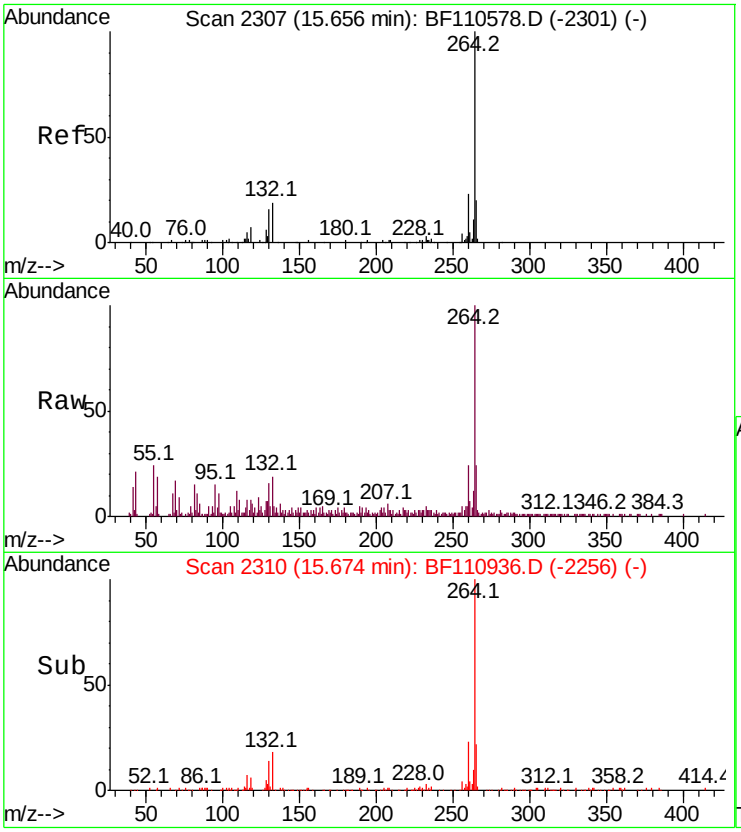


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.552 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.05 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:276 Resp: 11667

Ion	Ratio	Lower	Upper
276	100		
138	17.2	18.5	27.7#
277	27.9	20.0	30.0





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:264 Resp: 77116

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	23.9	16.7	25.1

Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

Manual Integrations APPROVED
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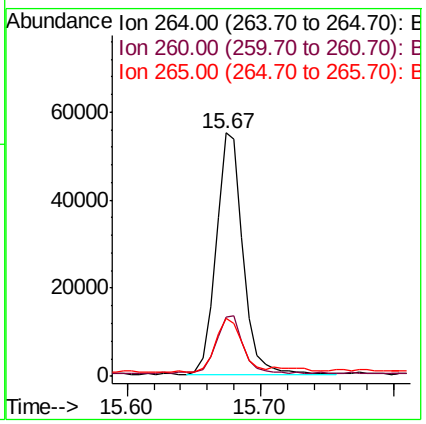
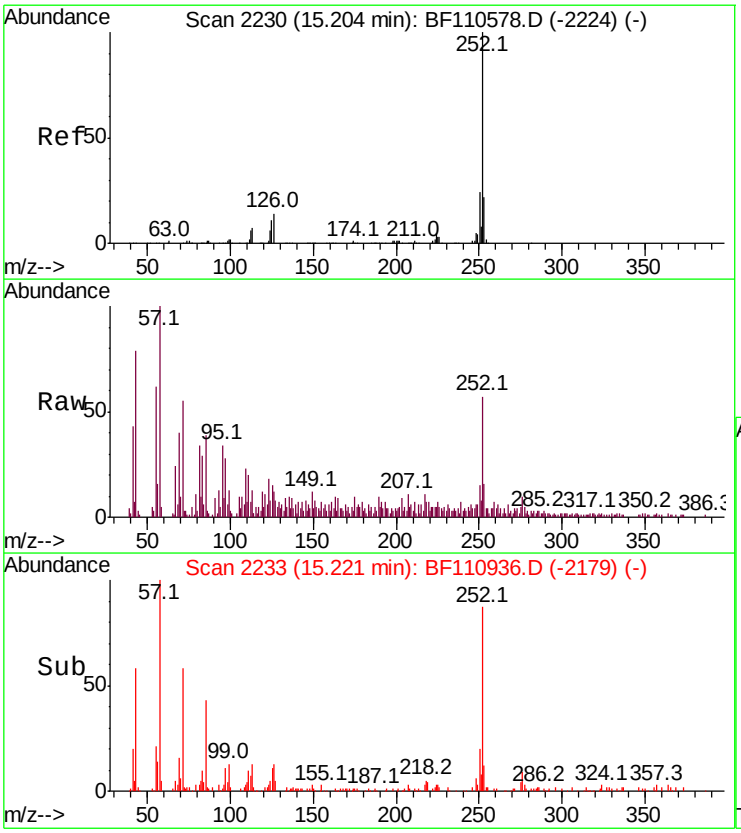
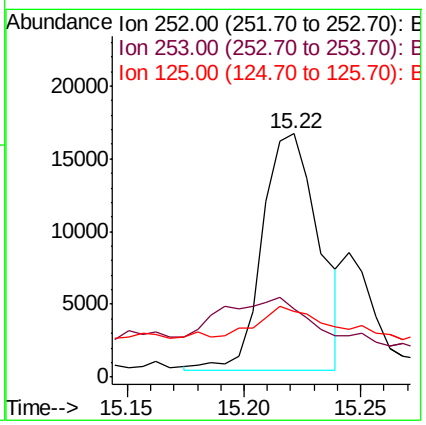


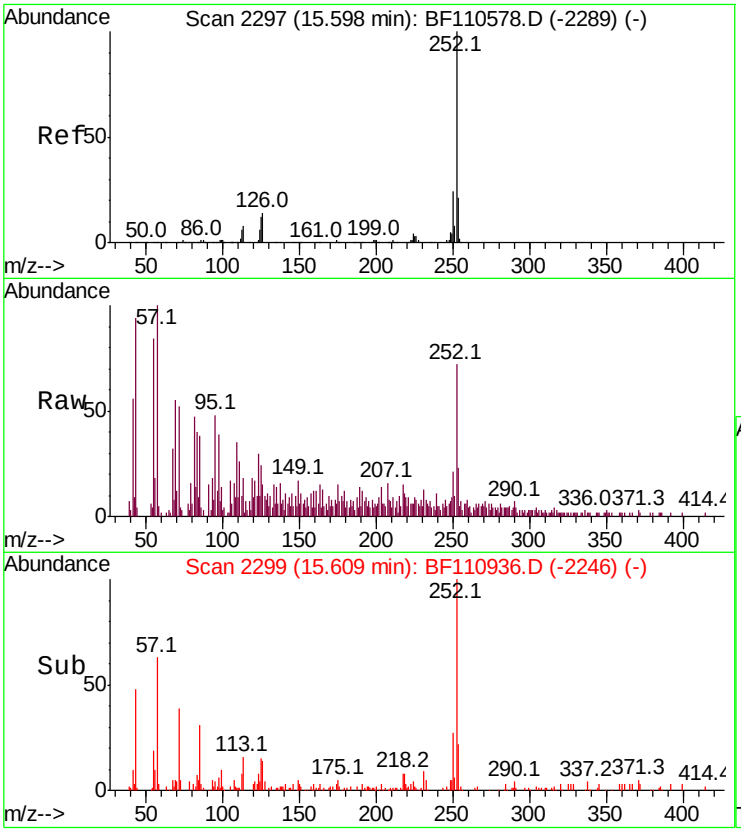


#88
Benzo(b)fluoranthene
Concen: 5.950 ng m
RT: 15.22 min Scan# 2233
Delta R.T. 0.02 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:252 Resp: 27449

Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.2	25.8#
125	26.8	8.2	12.4#





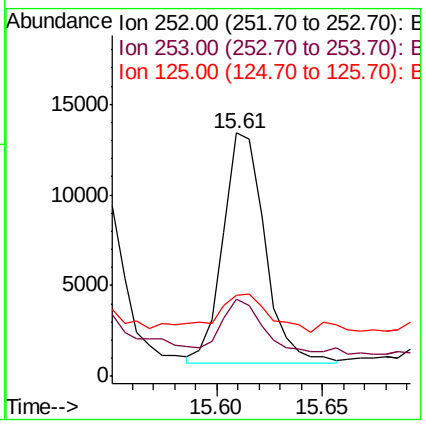
#90
Benzo(a)pyrene
Concen: 4.151 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

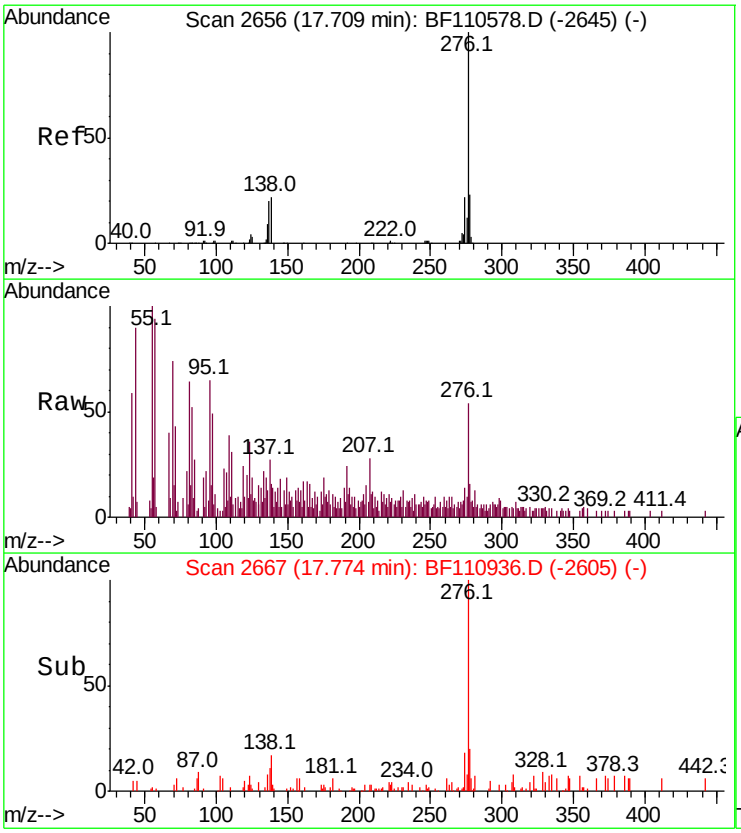
Tgt Ion:252 Resp: 17401

Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.2	27.4#
125	33.3	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
AOC1-06-A

Manual Integrations APPROVED
mohammad
11/23/2018 11:49:13 AM





#92
Benzo(g,h,i)perylene
Concen: 4.155 ng m
RT: 17.77 min Scan# 2667
Delta R.T. 0.06 min
Lab File: BF110936.D
Acq: 21 Nov 2018 18:52

Tgt Ion:276 Resp: 14624

Ion	Ratio	Lower	Upper
276	100		
277	29.9	18.8	28.2#
138	29.2	16.0	24.0#