Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
Data File : BF111952.D
Acq On : 9 Jan 2019 16:32
Operator : JU/SJ
Sample : K1006-09 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-010819-E

Manual Integrations APPROVED
Sohil
1/10/2019 11:45:58 AM

Quant Time: Jan 10 02:49:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 07 14:33:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	131861	20.00	ng		-0.01
21) Naphthalene-d8	8.17	136	478916	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	211162	20.00	ng		-0.01
64) Phenanthrene-d10	11.41	188	327587	20.00	ng		0.00
76) Chrysene-d12	14.05	240	310181	20.00	ng		0.00
87) Perylene-d12	15.54	264	213105	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	396406	51.43	ng		0.00
7) Phenol-d6	6.52	99	528678	53.22	ng		-0.01
23) Nitrobenzene-d5	7.44	82	325093	36.28	ng		-0.02
42) 2,4,6-Tribromophenol	10.71	330	117189	42.67	ng		-0.01
45) 2-Fluorobiphenyl	9.24	172	559839	38.66	ng		-0.01
79) Terphenyl-d14	13.00	244	470794	28.81	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.53	94	23088	2.138	ng		78
50) Dimethylphthalate	9.63	163	61604	3.884	ng		99
71) Phenanthrene	11.43	178	161620	9.228	ng		99
72) Anthracene	11.48	178	47285	2.660	ng		97
75) Fluoranthene	12.62	202	201201	11.190	ng		99
78) Pyrene	12.86	202	172813	8.097	ng		98
81) Benzo(a)anthracene	14.04	228	89541	5.016	ng		99
83) Chrysene	14.07	228	72567m	4.263	ng		
88) Benzo(b)fluoranthene	15.10	252	74752m	5.864	ng		
89) Benzo(k)fluoranthene	15.13	252	25297m	2.111	ng		
90) Benzo(a)pyrene	15.47	252	48204	4.301	ng	#	88
92) Benzo(g,h,i)perylene	17.49	276	26310	2.984	ng		94

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
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Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

Manual Integrations APPROVED
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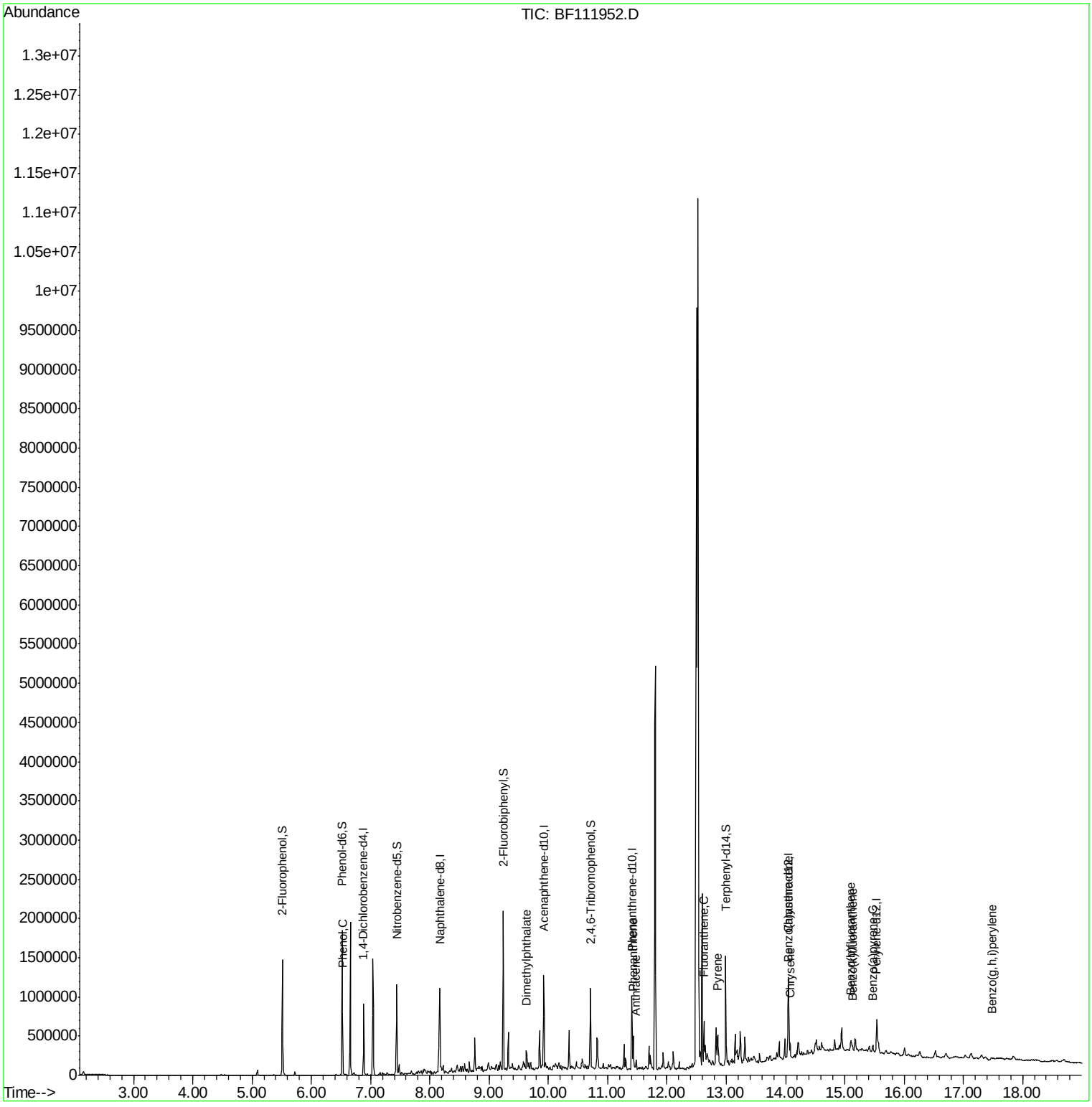
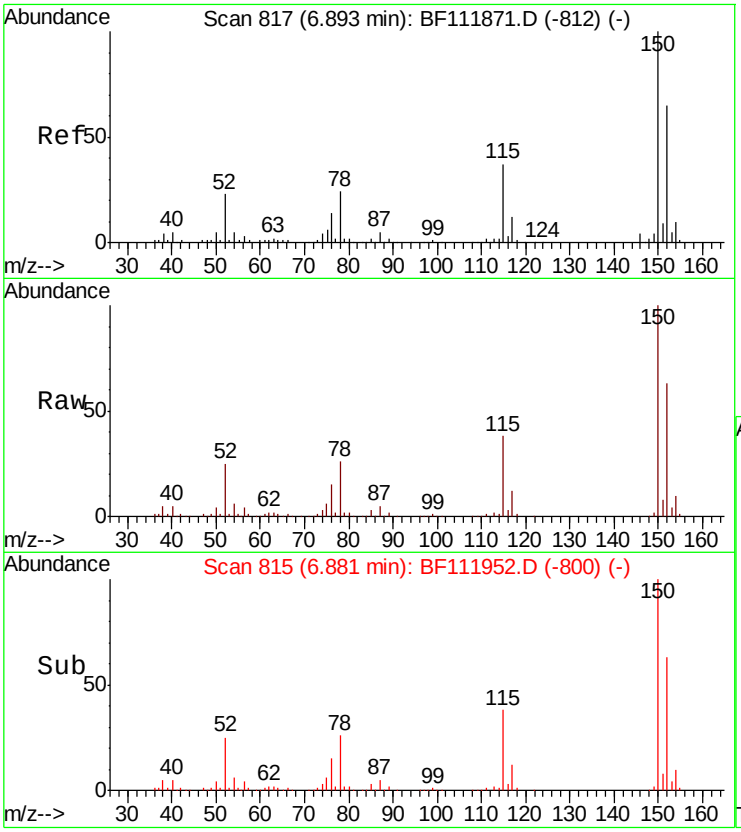
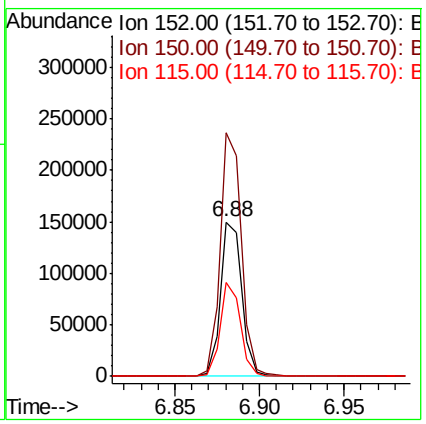




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:152 Resp: 131861

Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.7	184.1
115	60.7	45.2	67.8



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

Manual Integrations APPROVED
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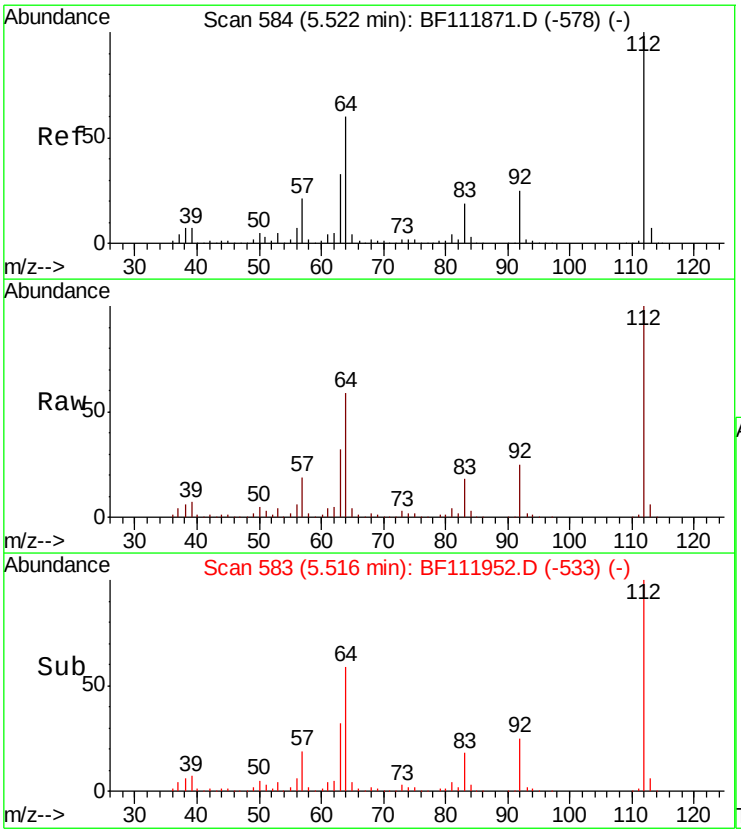
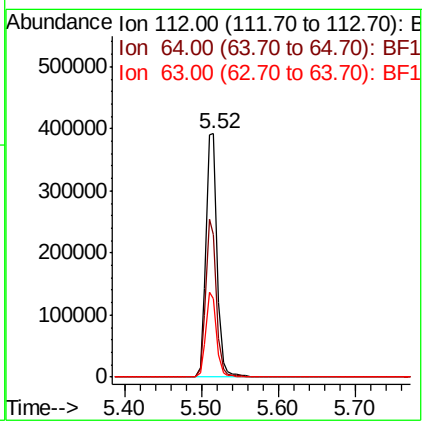
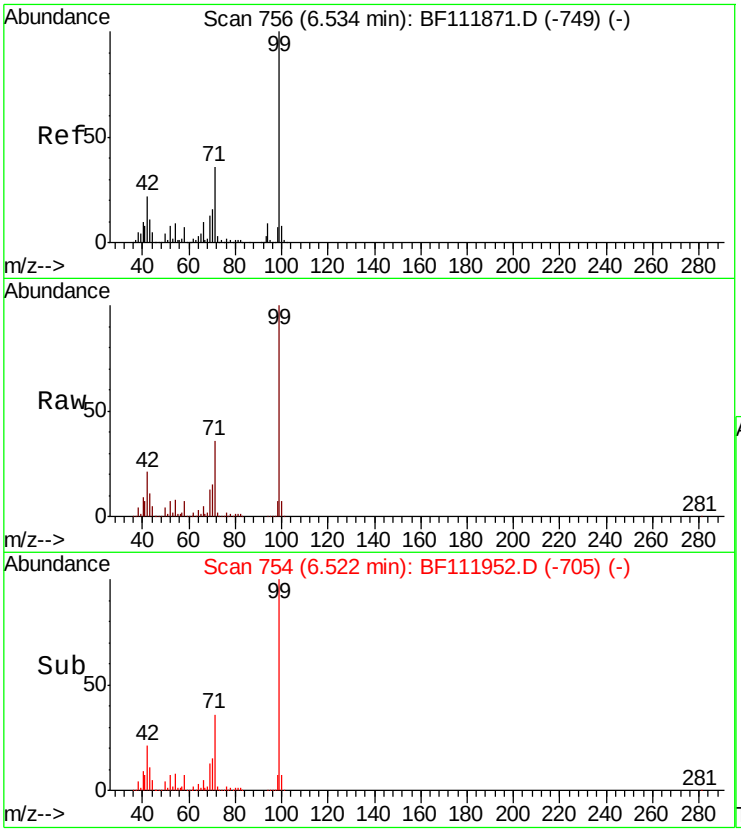


#5
2-Fluorophenol
Concen: 51.431 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:112 Resp: 396406

Ion	Ratio	Lower	Upper
112	100		
64	58.7	48.3	72.5
63	32.3	26.1	39.1

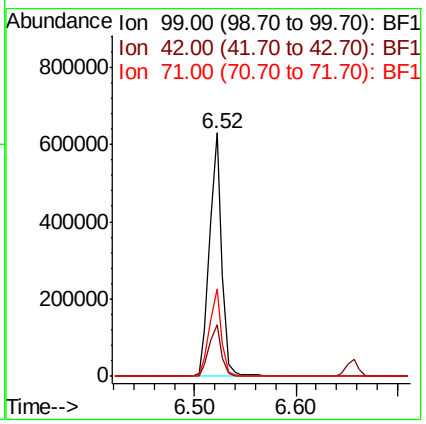




#7
Phenol-d6
Concen: 53.219 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion: 99 Resp: 528678

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.9	26.9
71	36.1	28.7	43.1



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

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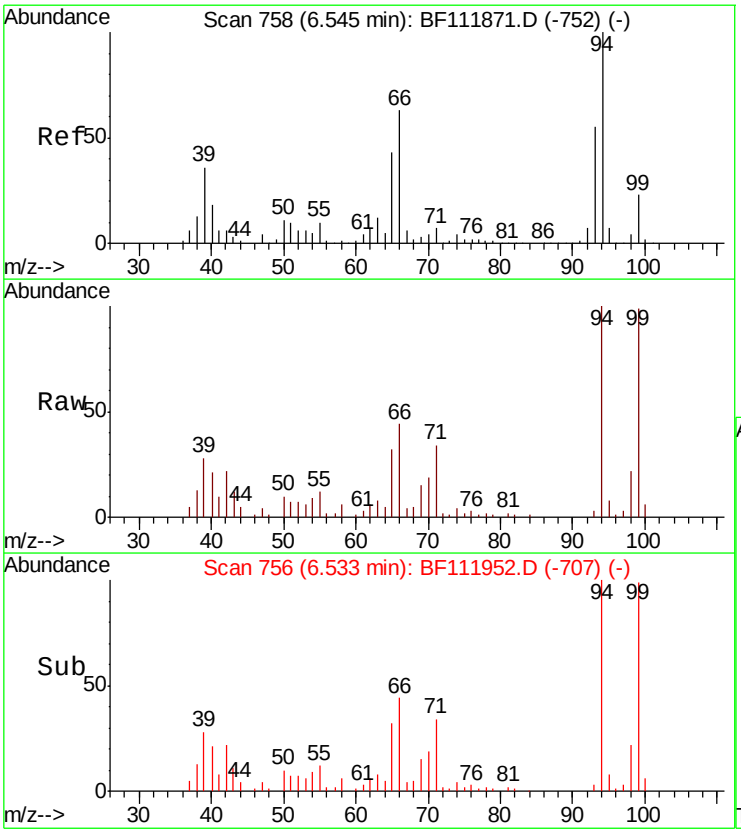
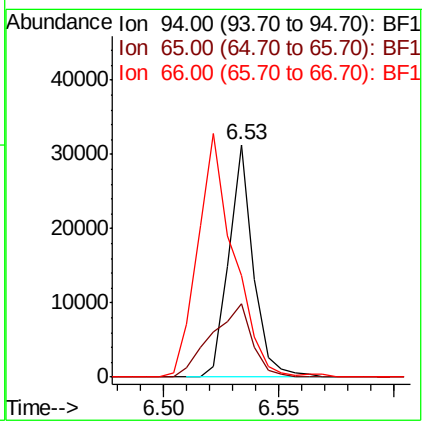
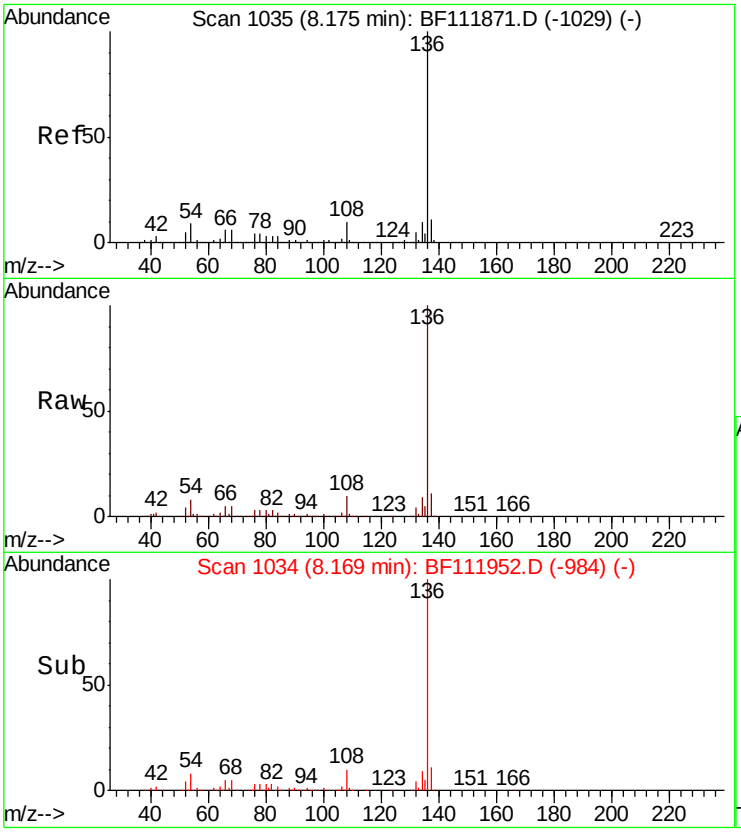


#10
Phenol
Concen: 2.138 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion: 94 Resp: 23088

Ion	Ratio	Lower	Upper
94	100		
65	31.6	22.8	62.8
66	43.7	43.3	83.3

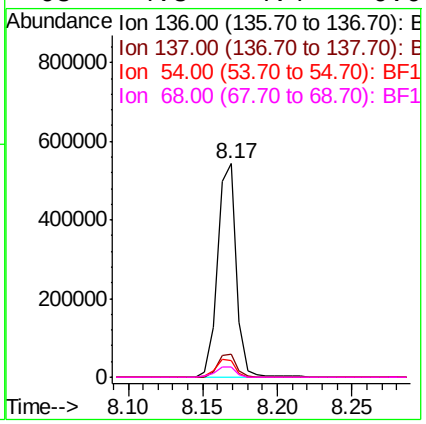




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:136 Resp: 478916

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	7.6	7.2	10.8
68	4.8	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

Manual Integrations APPROVED
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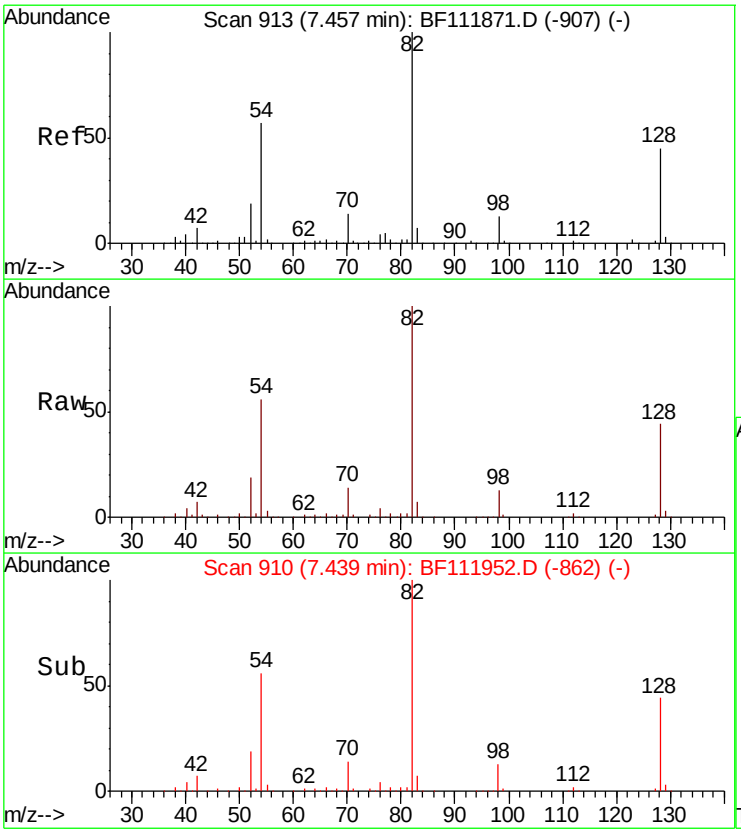
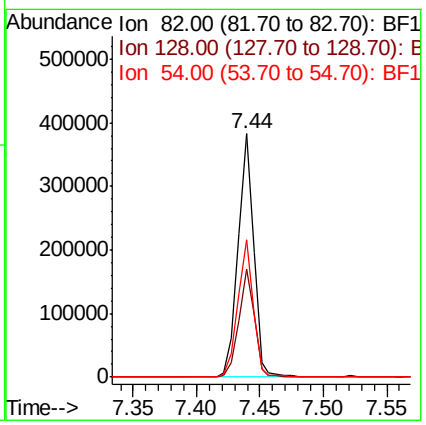
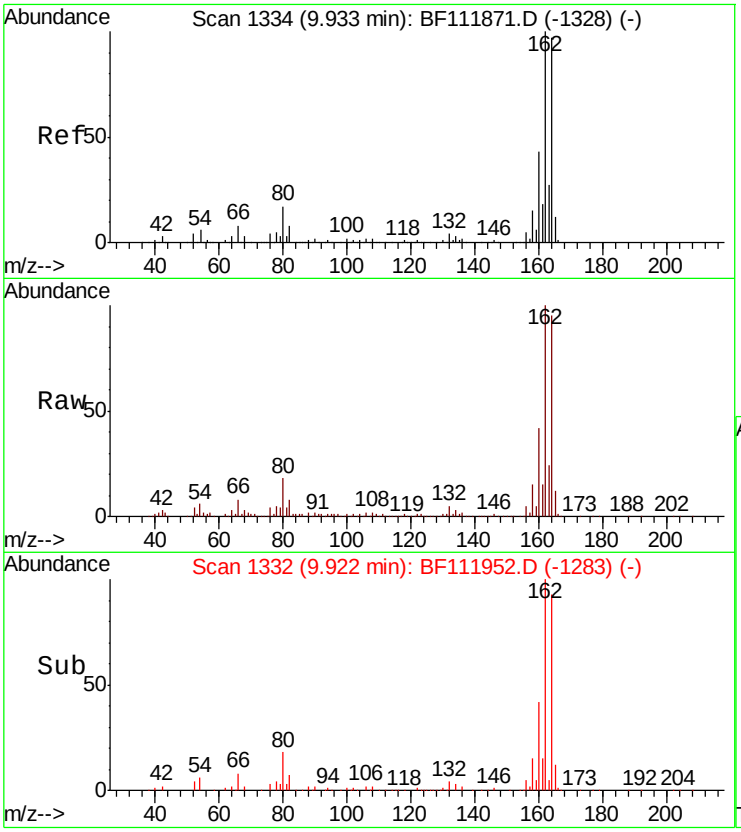


#23
Nitrobenzene-d5
Concen: 36.279 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion: 82 Resp: 325093

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	56.3	45.8	68.8

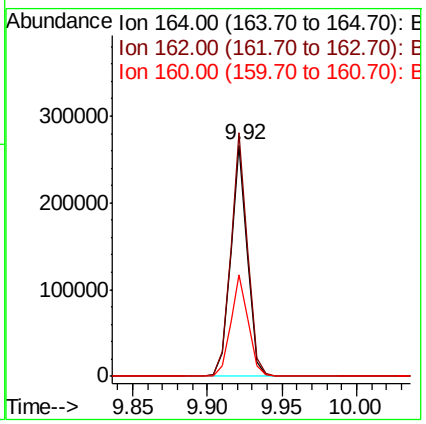




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:164 Resp: 211162

Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.2	123.2
160	43.8	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

Manual Integrations APPROVED
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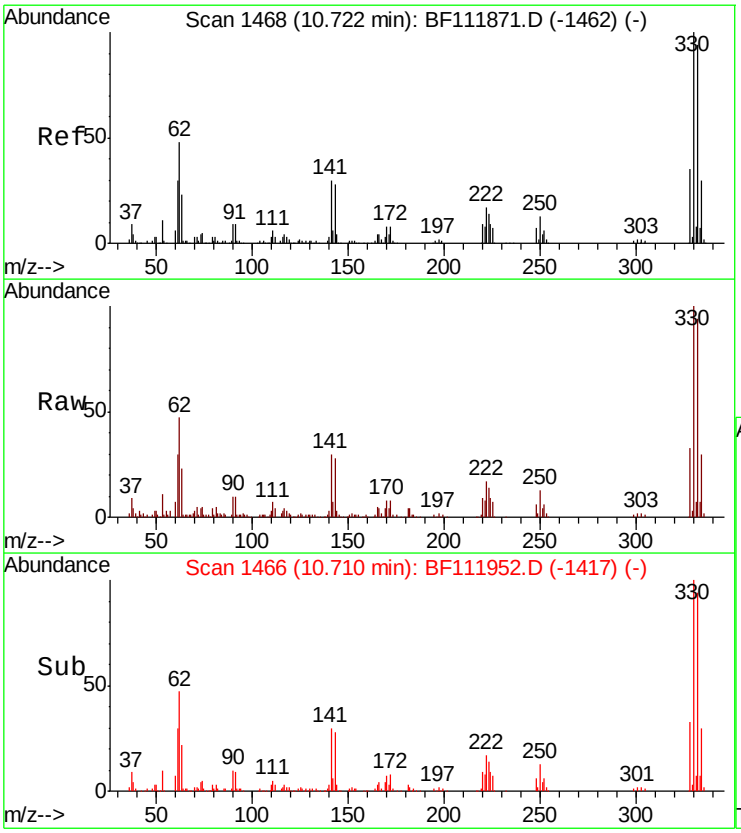
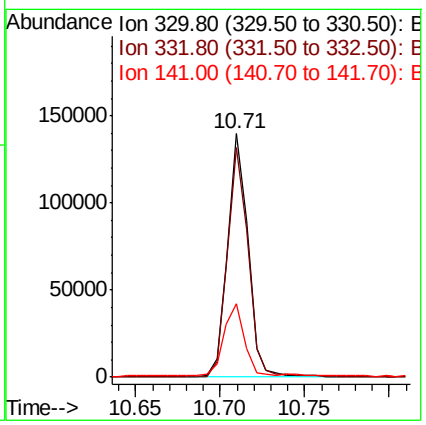
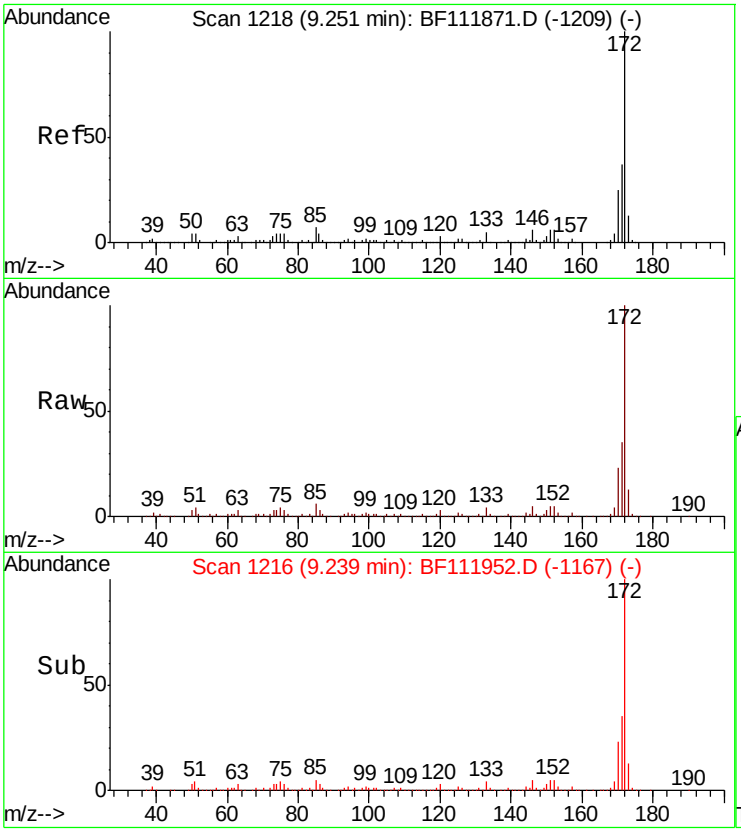


#42
2,4,6-Tribromophenol
Concen: 42.667 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:330 Resp: 117189

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.9	115.3
141	29.9	23.7	35.5

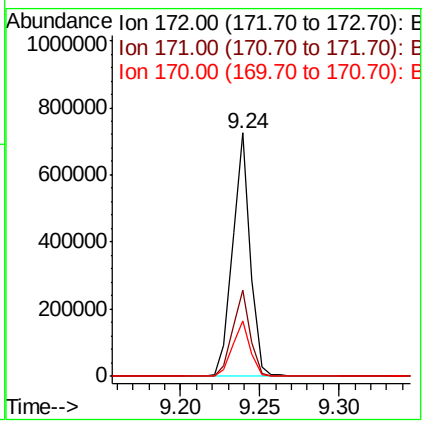




#45
2-Fluorobiphenyl
Concen: 38.660 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:172 Resp: 559839

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.8	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

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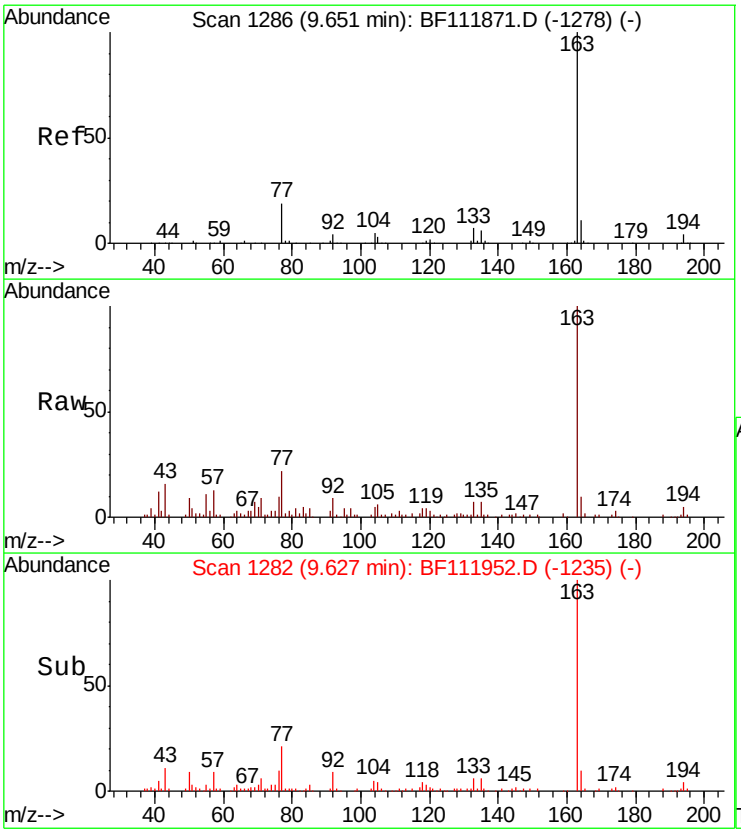
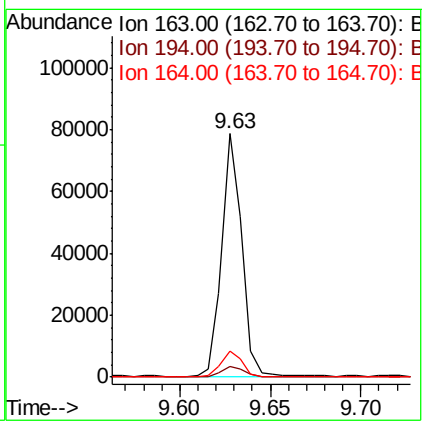
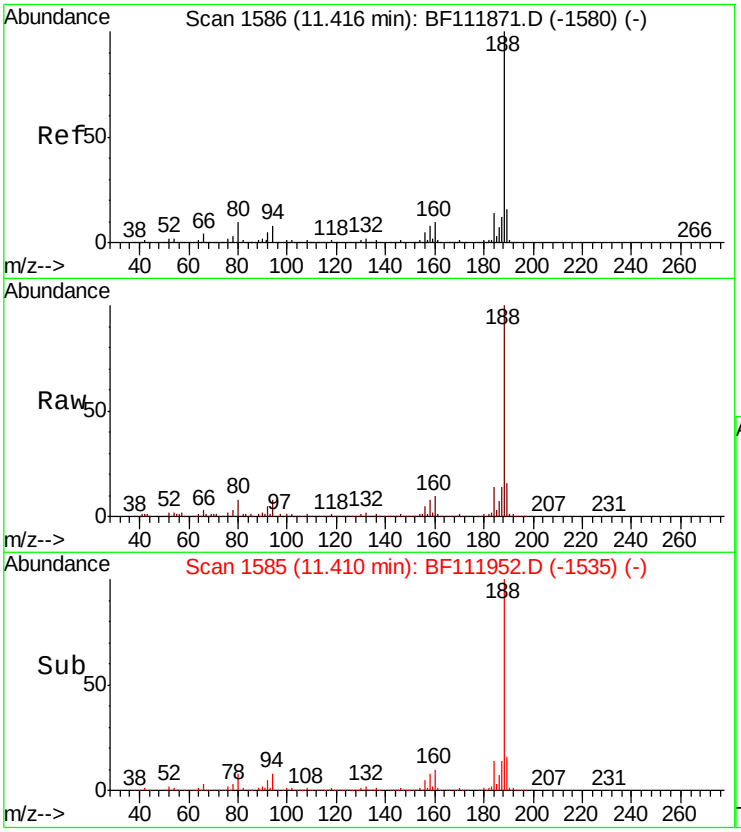


#50
Dimethylphthalate
Concen: 3.884 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:163 Resp: 61604

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.5	8.5	12.7

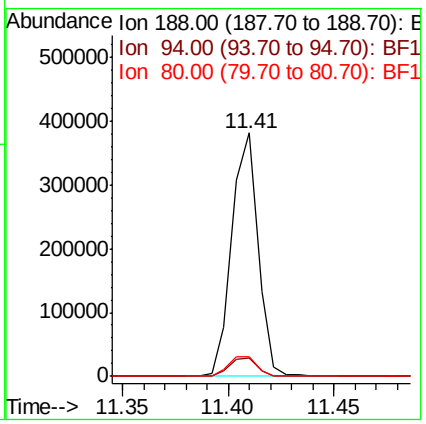




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:188 Resp: 327587

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.6	10.0
80	8.0	7.7	11.5



Instrument :
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ClientSampleId :
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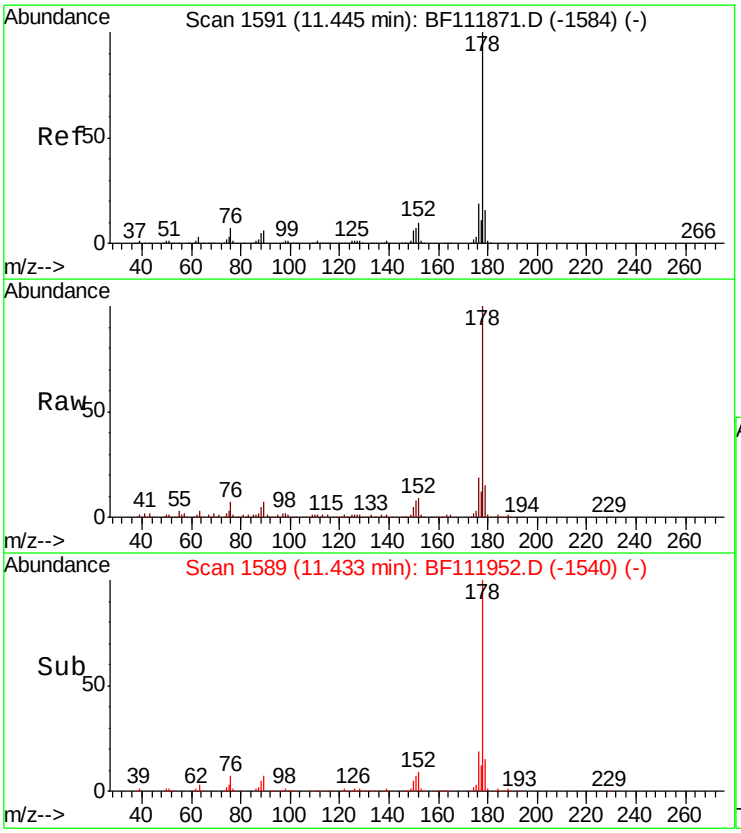
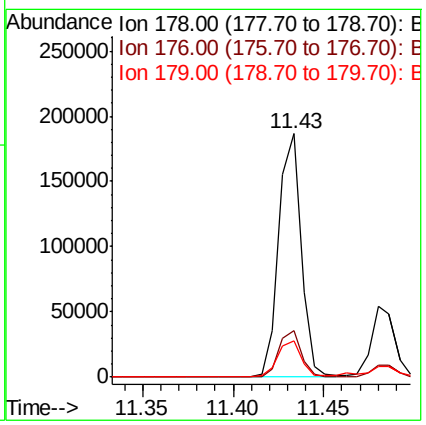
1/10/2019 11:45:58 AM

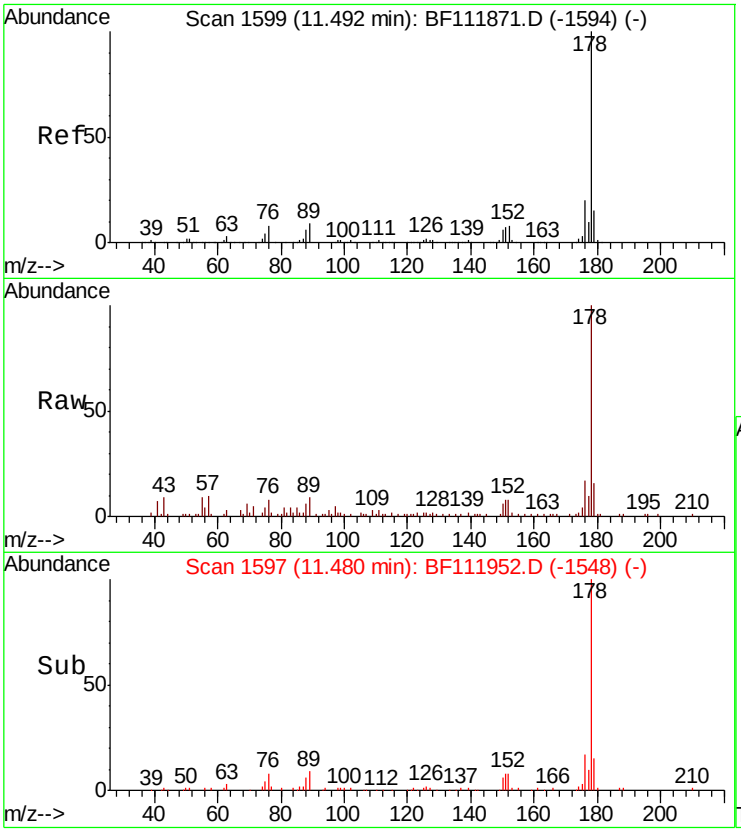


#71
Phenanthrene
Concen: 9.228 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:178 Resp: 161620

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	14.9	12.6	18.8

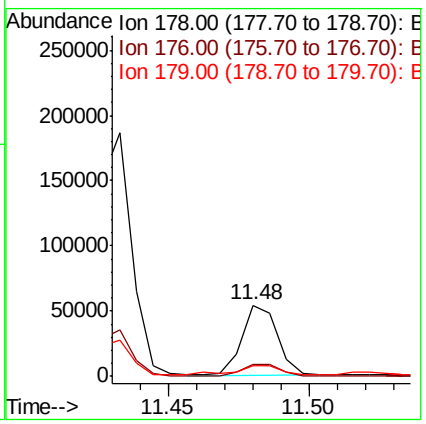




#72
Anthracene
Concen: 2.660 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:178 Resp: 47285

Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.7	23.5
179	15.5	12.4	18.6



Instrument :
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JC-03-010819-E

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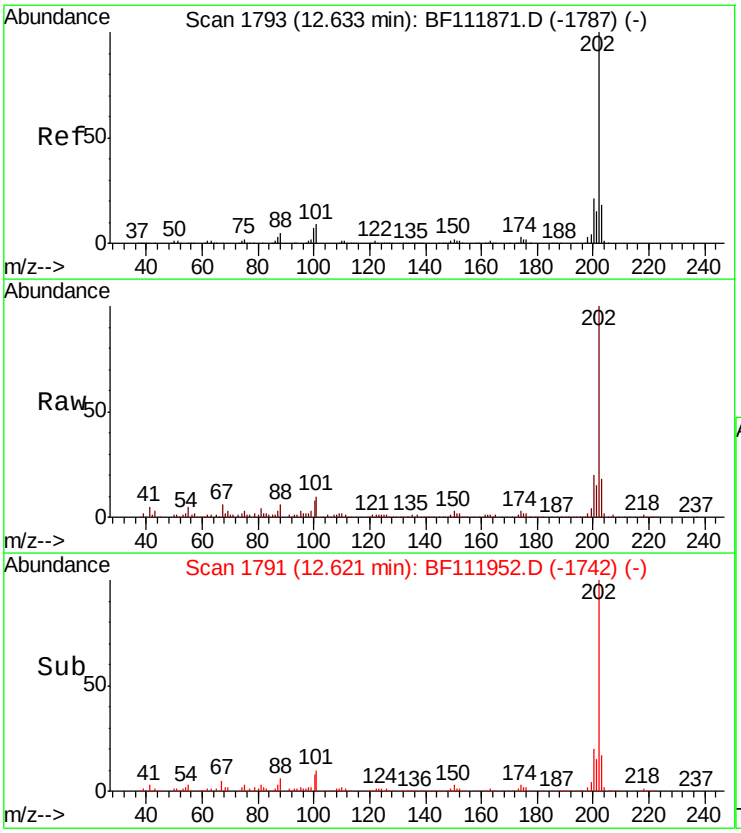
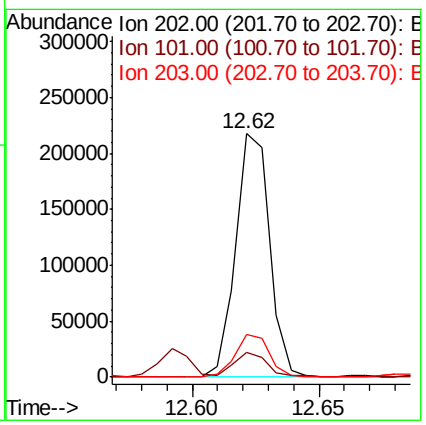
1/10/2019 11:45:58 AM

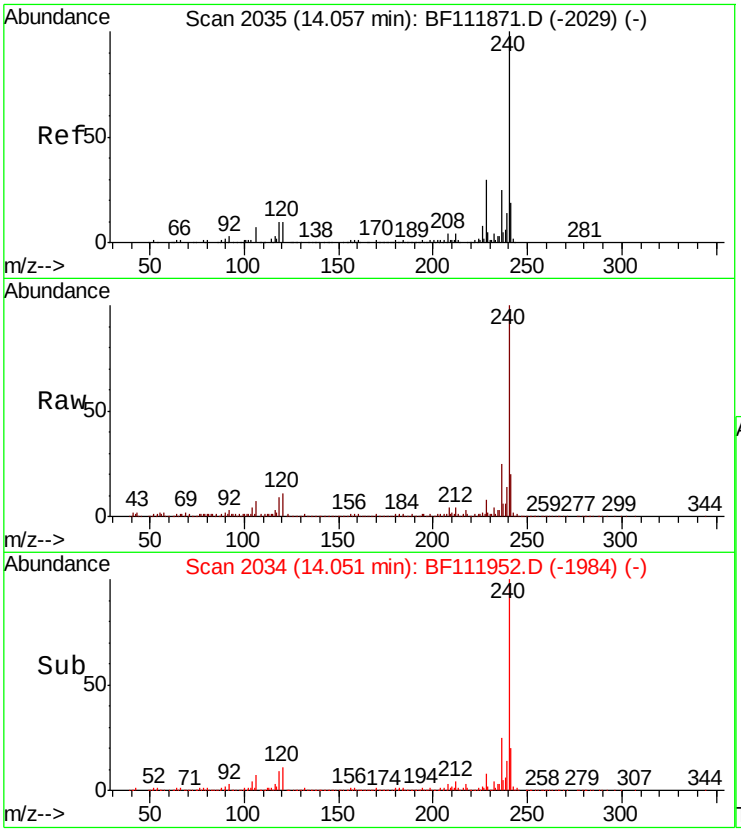


#75
Fluoranthene
Concen: 11.190 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:202 Resp: 201201

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.3
203	17.5	0.0	37.6

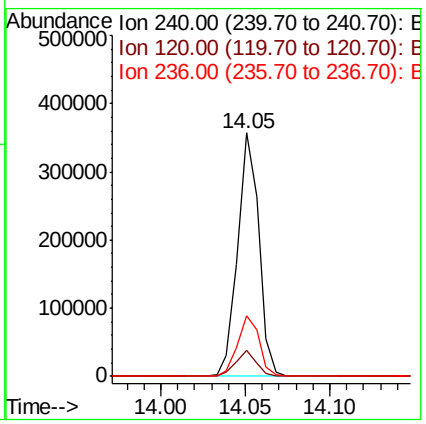




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

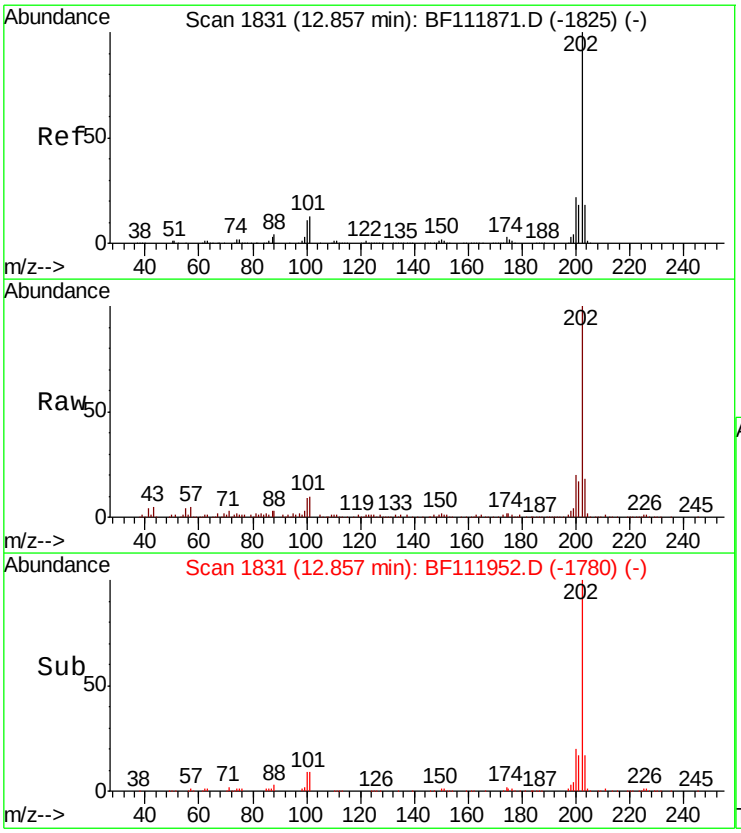
Tgt Ion:240 Resp: 310181

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	24.9	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

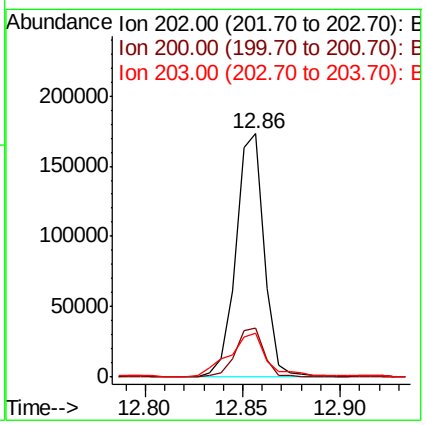
Manual Integrations APPROVED
Sohil
1/10/2019 11:45:58 AM

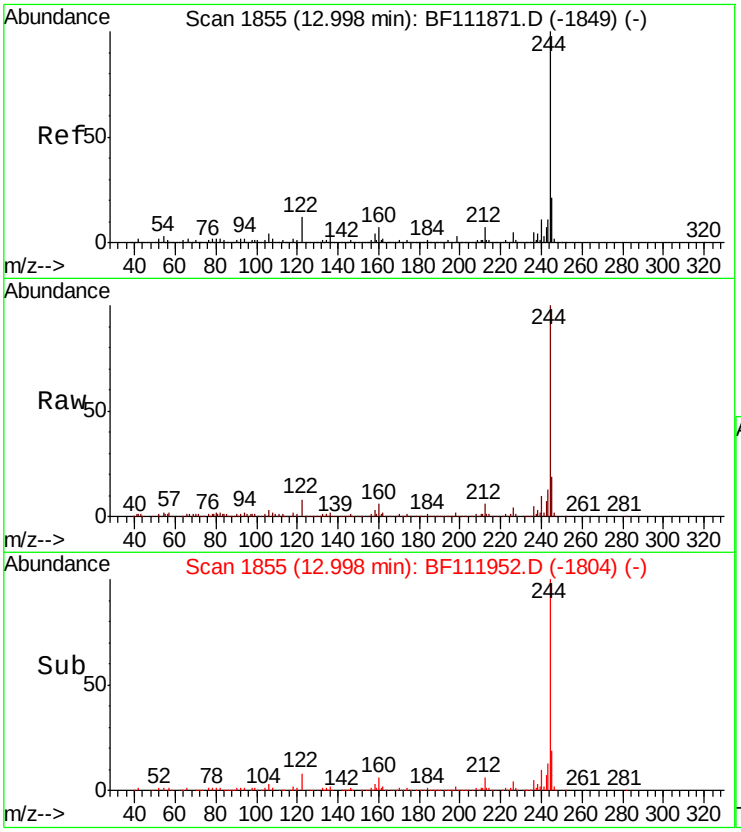


#78
Pyrene
Concen: 8.097 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:202 Resp: 172813

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.8	14.6	21.8

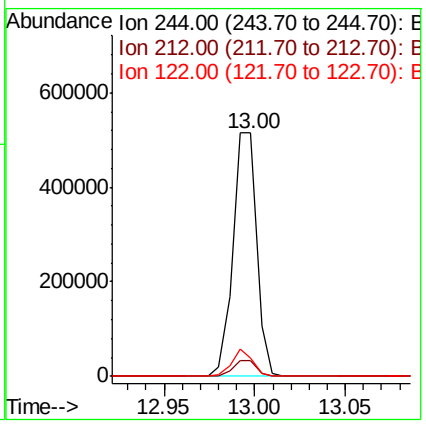




#79
Terphenyl-d14
Concen: 28.811 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:244 Resp: 470794

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.8
122	7.8	9.5	14.3#



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

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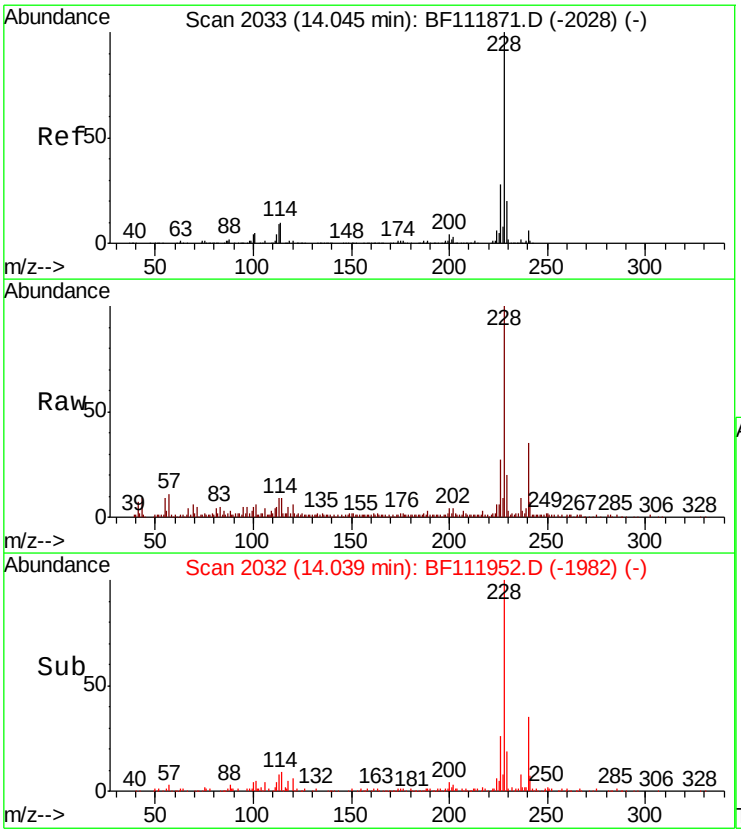
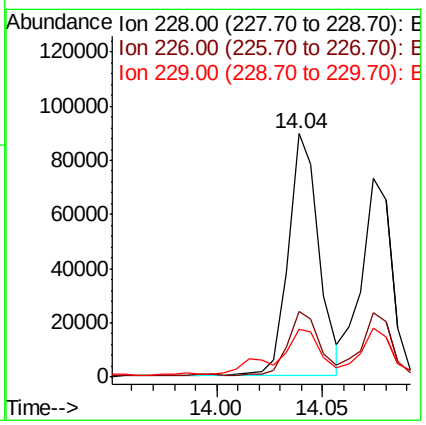
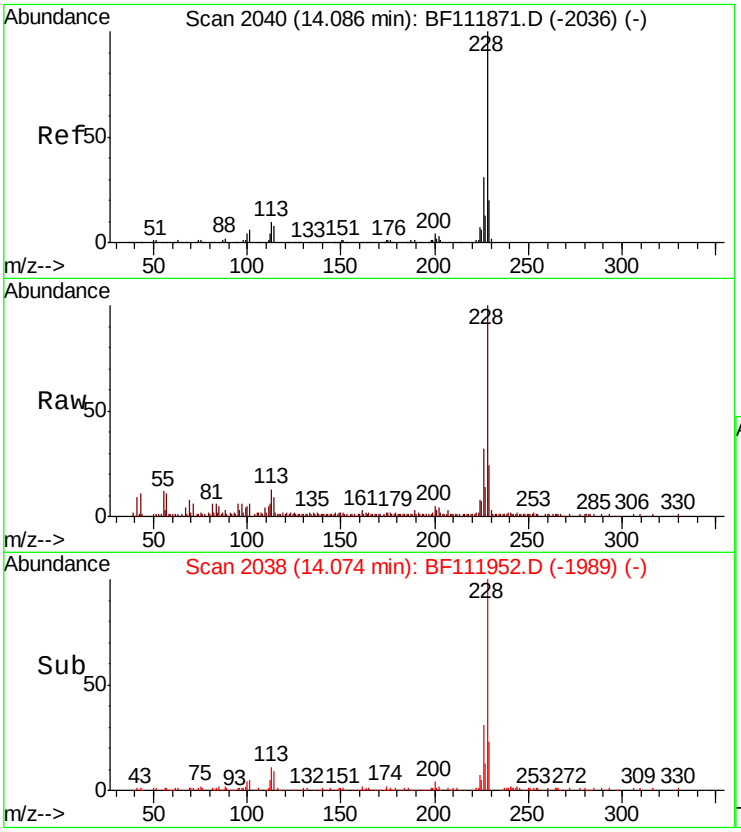


#81
Benzo(a)anthracene
Concen: 5.016 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:228 Resp: 89541

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	19.8	16.2	24.2

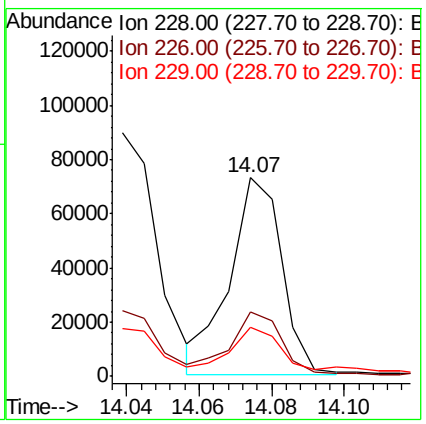




#83
Chrysene
Concen: 4.263 ng m
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:228 Resp: 72567

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.6	37.0
229	24.4	15.7	23.5#



Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

Manual Integrations APPROVED
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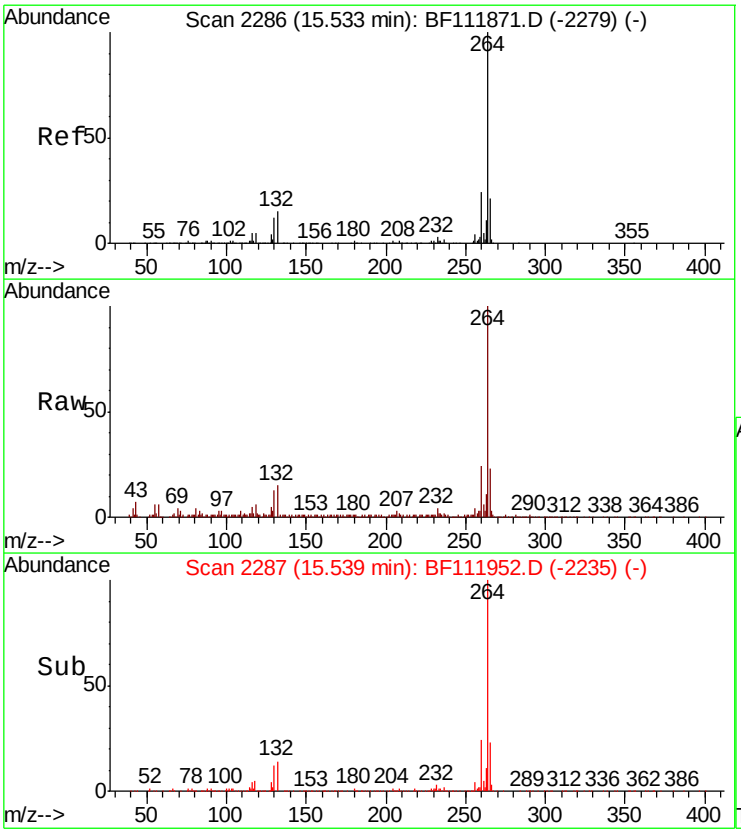
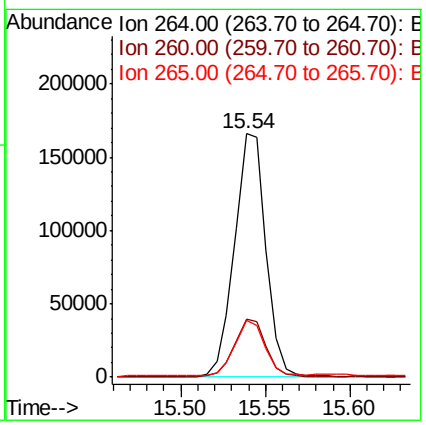
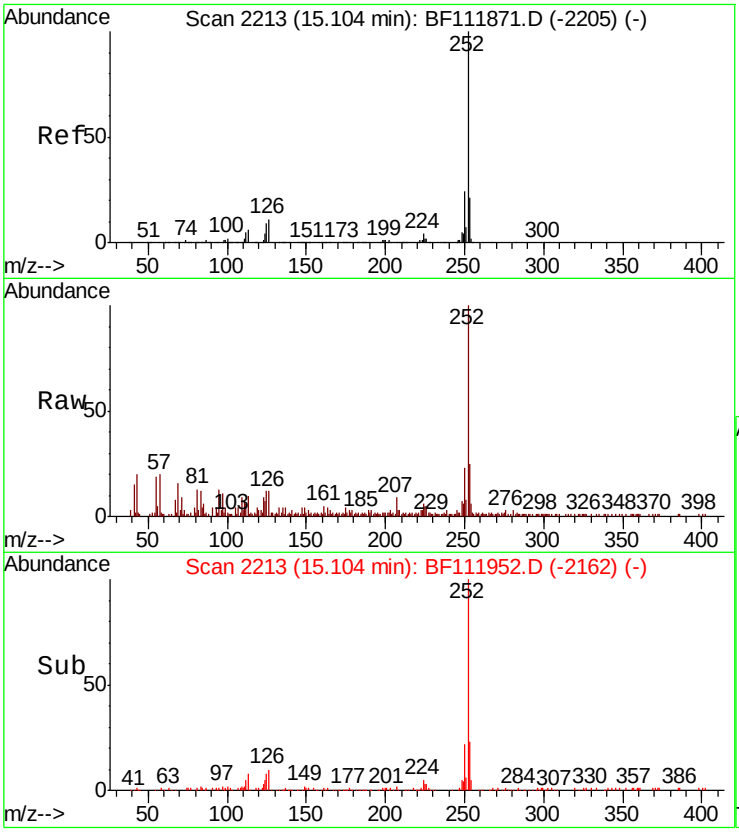


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:264 Resp: 213105

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.1	17.1	25.7





#88
Benzo(b)fluoranthene
Concen: 5.864 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:252 Resp: 74752

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	11.5	7.1	10.7#

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

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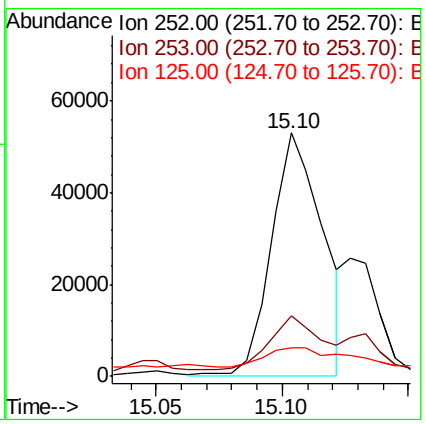
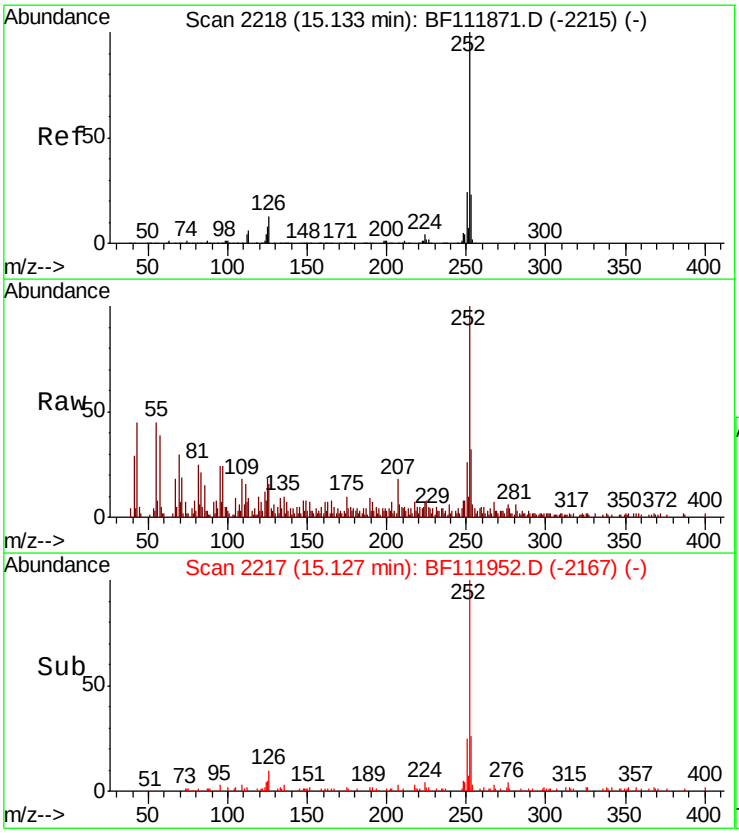
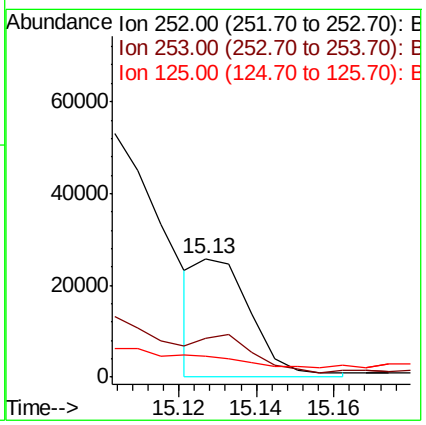


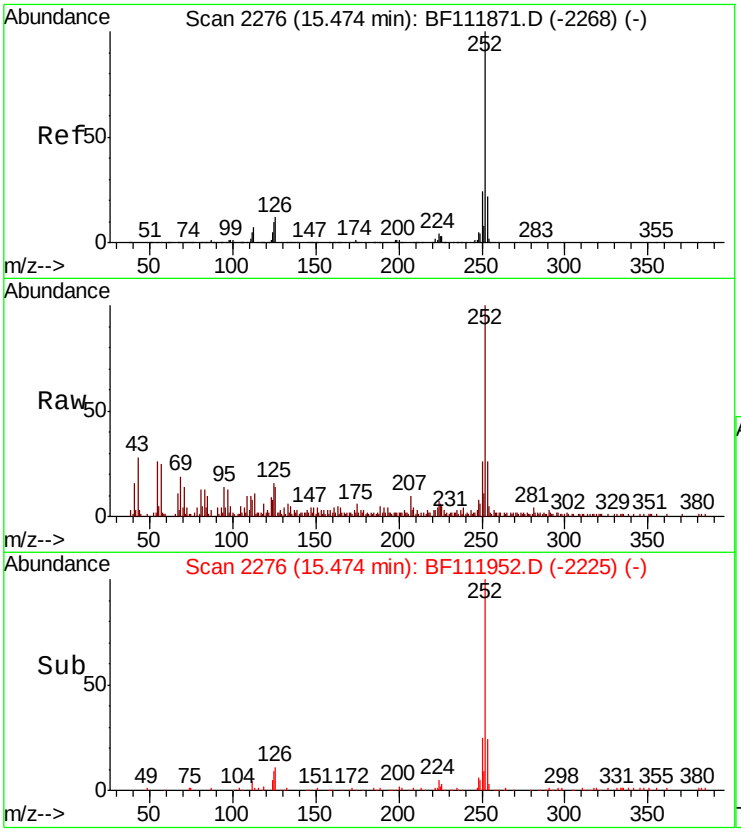


#89
Benzo(k)fluoranthene
Concen: 2.111 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:252 Resp: 25297

Ion	Ratio	Lower	Upper
252	100		
253	32.4	17.8	26.6#
125	17.9	7.0	10.4#





#90
Benzo(a)pyrene
Concen: 4.301 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:252 Resp: 48204

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.4	26.2#
125	15.8	7.9	11.9#

Instrument :
BNA_F
ClientSampleId :
JC-03-010819-E

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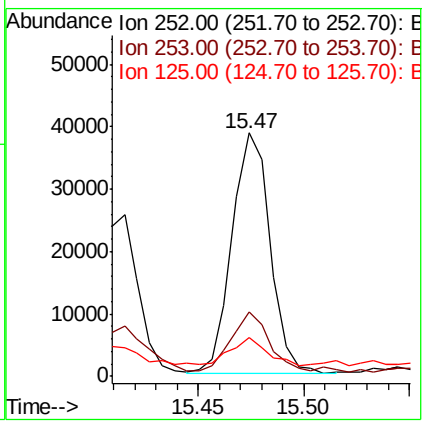

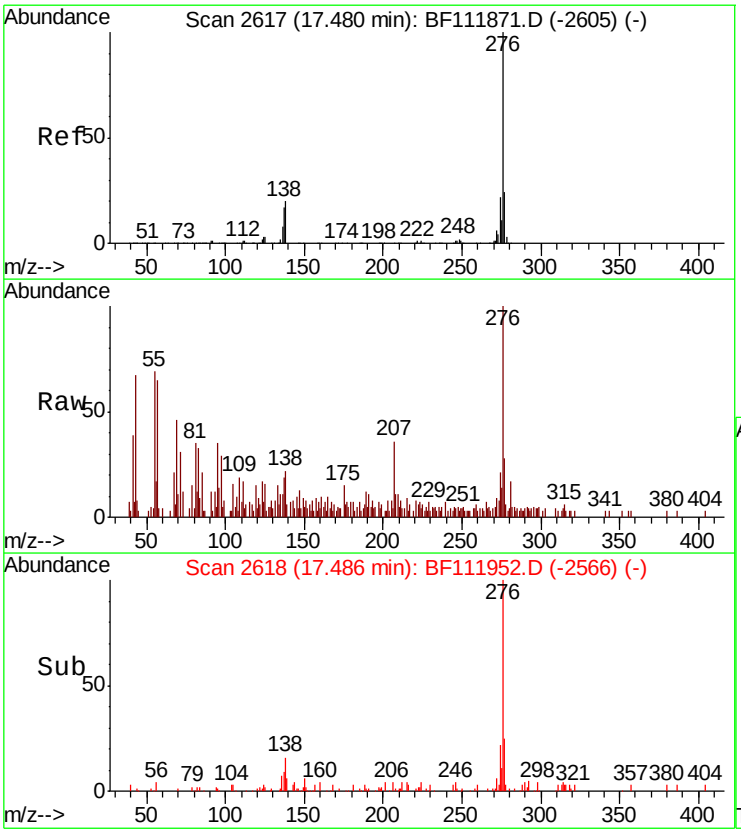

#92
Benzo(g,h,i)perylene
Concen: 2.984 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:276 Resp: 26310

Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.0	28.6
138	21.5	16.2	24.2