Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112515.D
Acq On : 12 Feb 2019 17:22
Operator : JU/SJ
Sample : K1343-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Manual Integrations APPROVED
Sohil
2/13/2019 11:12:15 AM

Quant Time: Feb 13 05:58:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	129834	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	499148	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	202052	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	317383	20.00	ng	0.00
76) Chrysene-d12	14.01	240	293466	20.00	ng	0.00
87) Perylene-d12	15.49	264	235078	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	455236	74.48	ng	-0.01
7) Phenol-d6	6.48	99	564719	66.49	ng	-0.01
23) Nitrobenzene-d5	7.40	82	347670	40.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	121646	51.72	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	672545	47.08	ng	-0.01
79) Terphenyl-d14	12.94	244	557209	35.76	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.58	163	59200	3.771	ng	# 95
71) Phenanthrene	11.39	178	95477	5.786	ng	98
75) Fluoranthene	12.58	202	146322	8.268	ng	98
78) Pyrene	12.81	202	134714	6.630	ng	98
81) Benzo(a)anthracene	14.00	228	68338m	3.961	ng	
83) Chrysene	14.03	228	71418	4.337	ng	95
88) Benzo(b)fluoranthene	15.06	252	79456m	5.652	ng	
90) Benzo(a)pyrene	15.43	252	46793	3.699	ng	# 82
92) Benzo(g,h,i)perylene	17.45	276	25525	2.654	ng	# 91

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

Quantitation Report (LSC Reviewed)

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BNA_F
ClientSampleId :
JC-02-021119-K

Manual Integrations APPROVED
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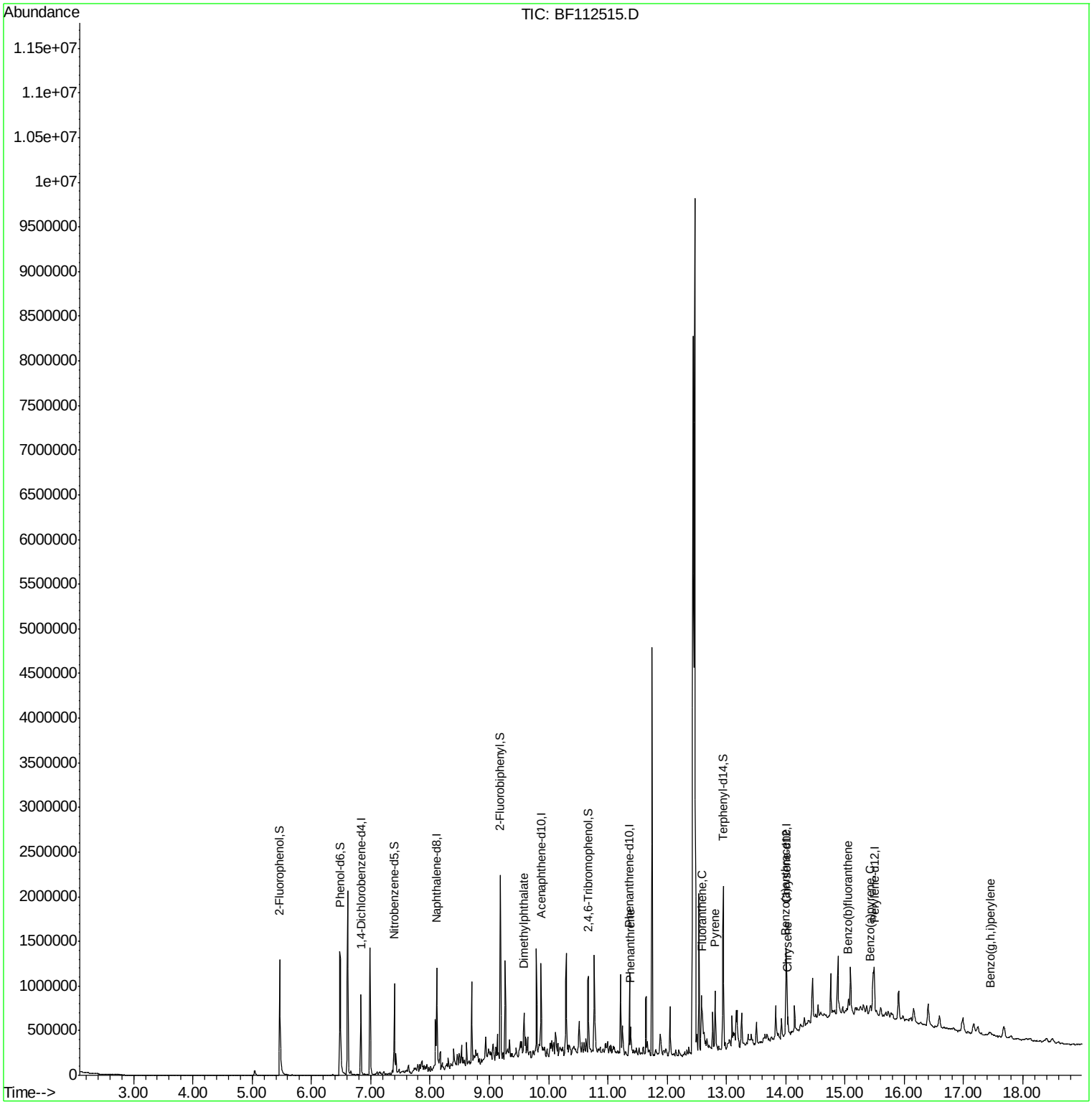
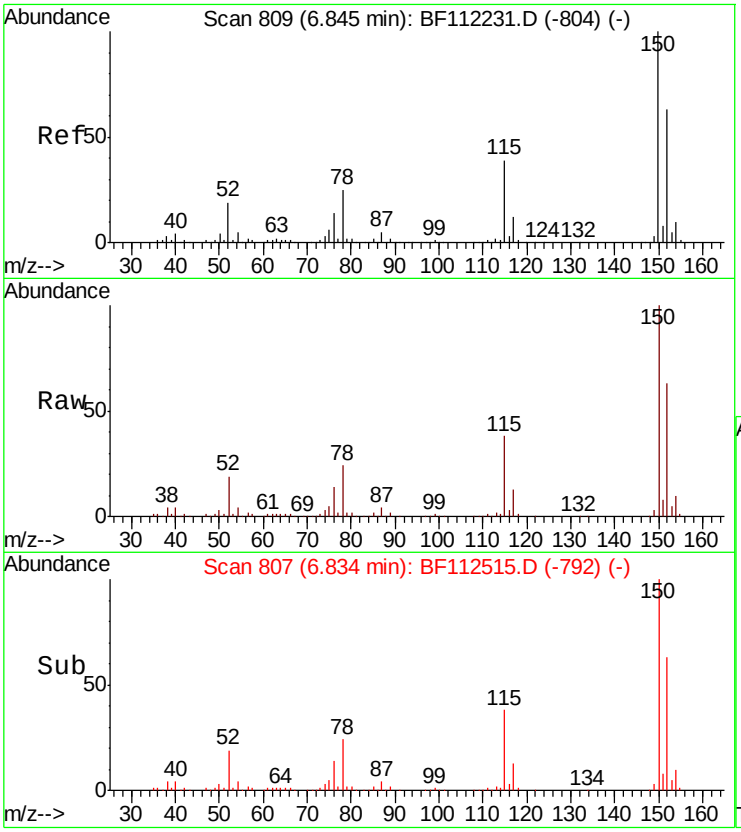
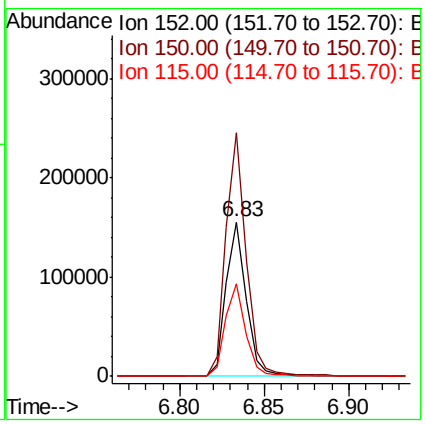




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:152 Resp: 129834

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.0
115	60.3	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

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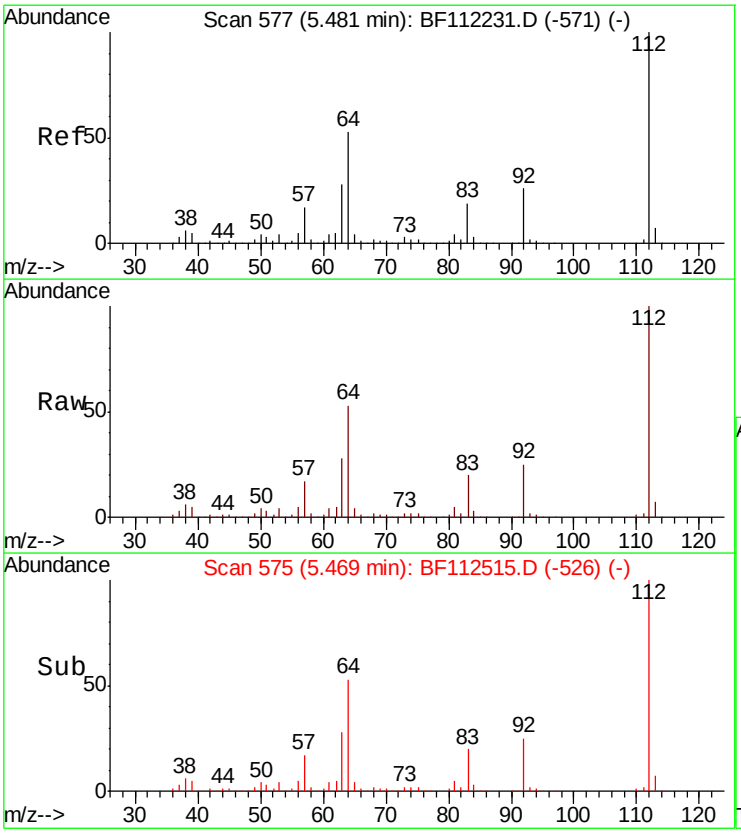
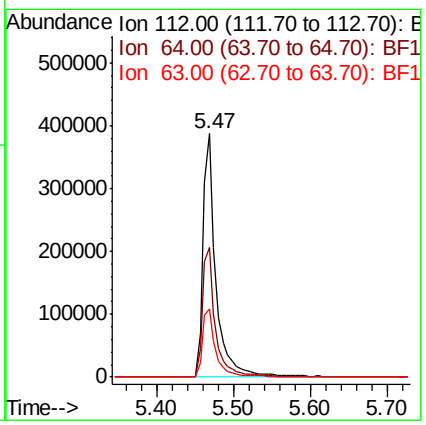
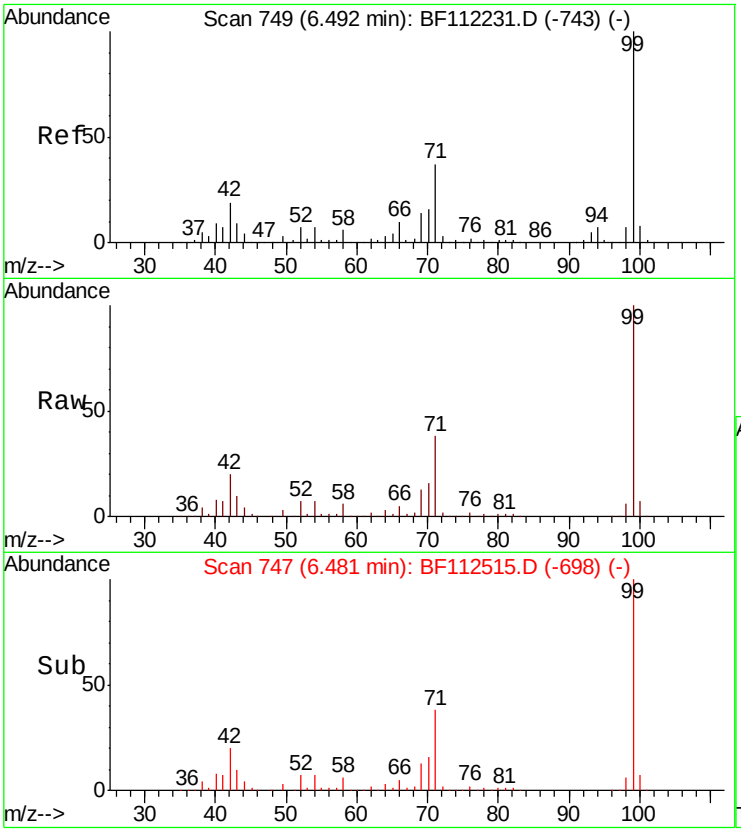


#5
2-Fluorophenol
Concen: 74.476 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:112 Resp: 455236

Ion	Ratio	Lower	Upper
112	100		
64	53.1	45.7	68.5
63	28.1	23.6	35.4

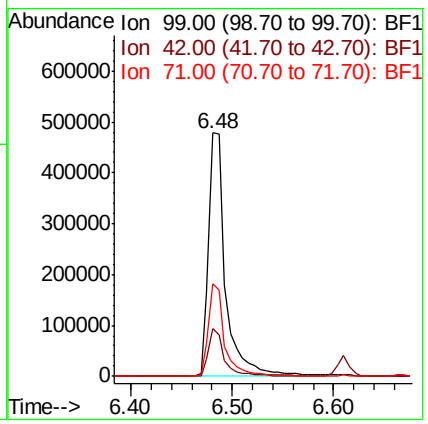




#7
Phenol-d6
Concen: 66.487 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion: 99 Resp: 564719

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.1	22.7
71	37.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

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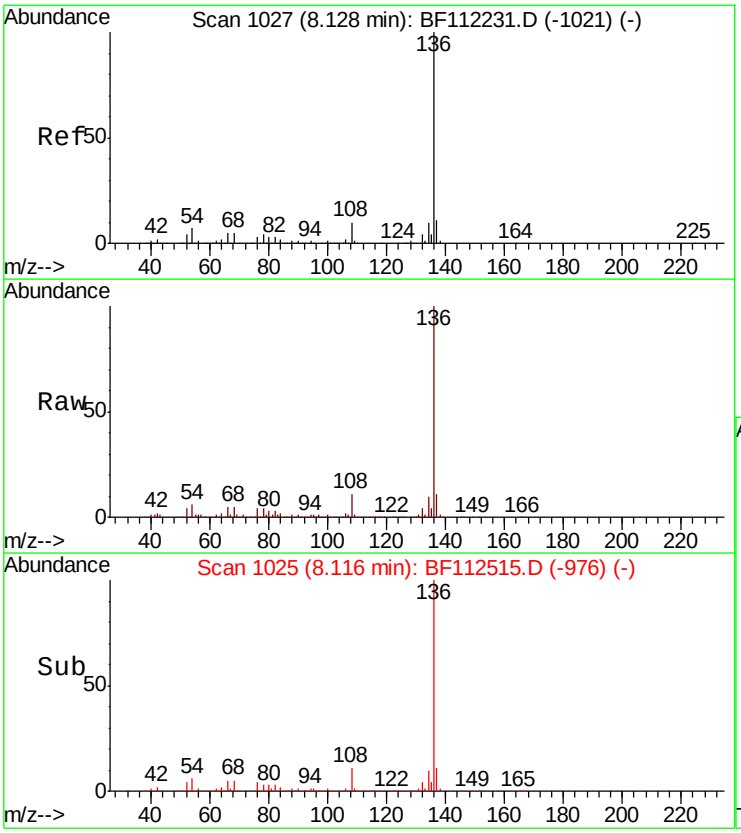
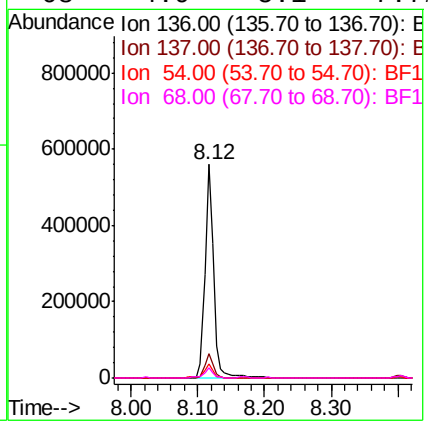
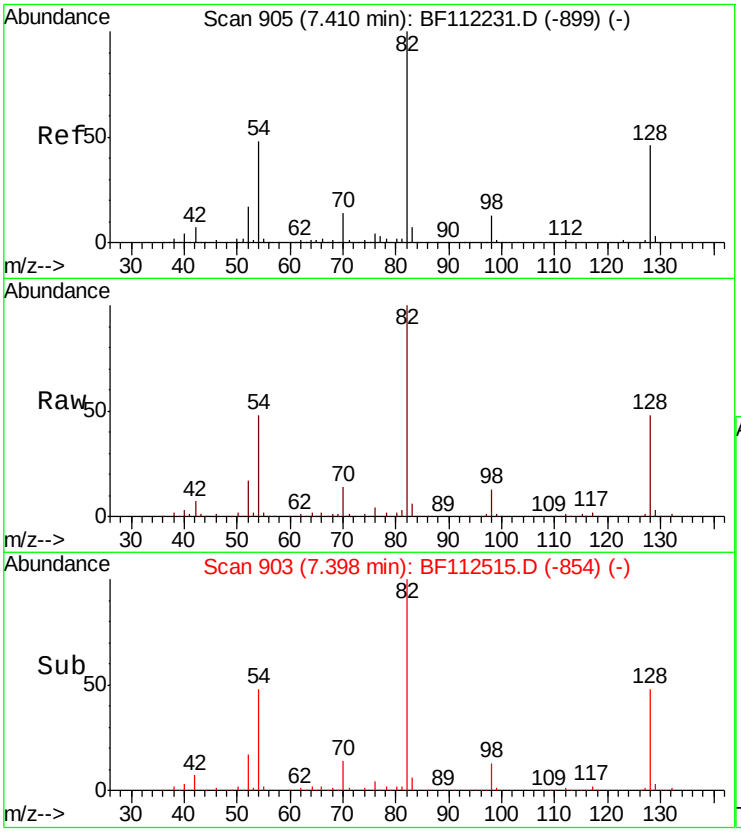


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:136 Resp: 499148

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.4	5.9	8.9
68	4.9	5.1	7.7#

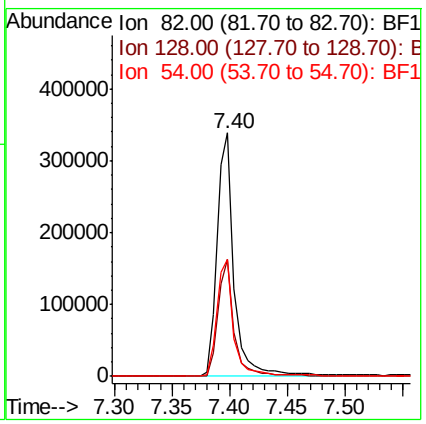




#23
Nitrobenzene-d5
Concen: 40.134 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion: 82 Resp: 347670

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.8	56.8
54	48.0	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Manual Integrations APPROVED
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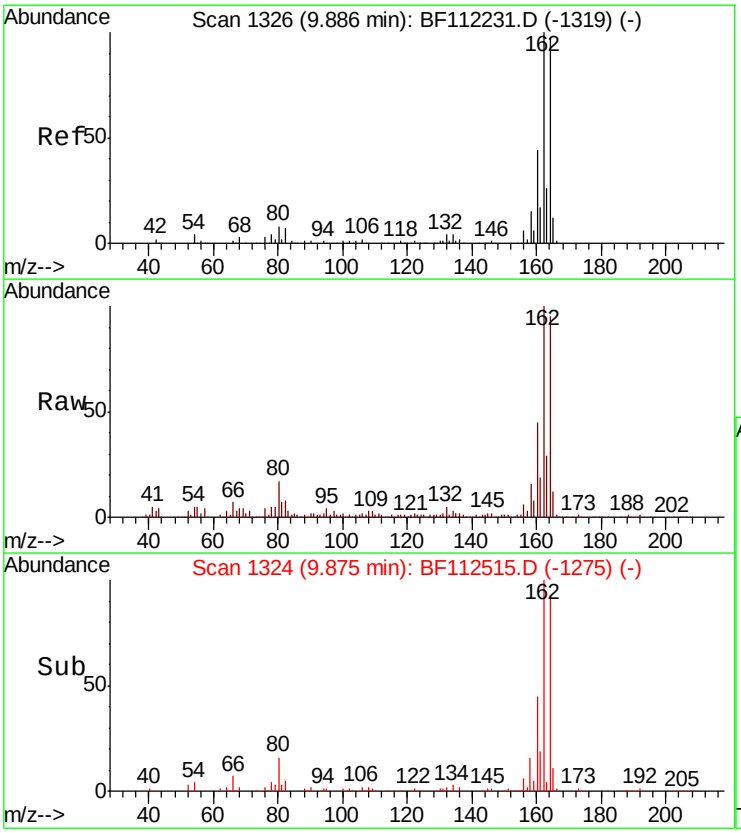
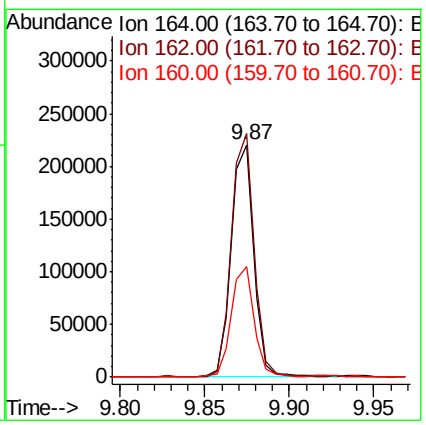
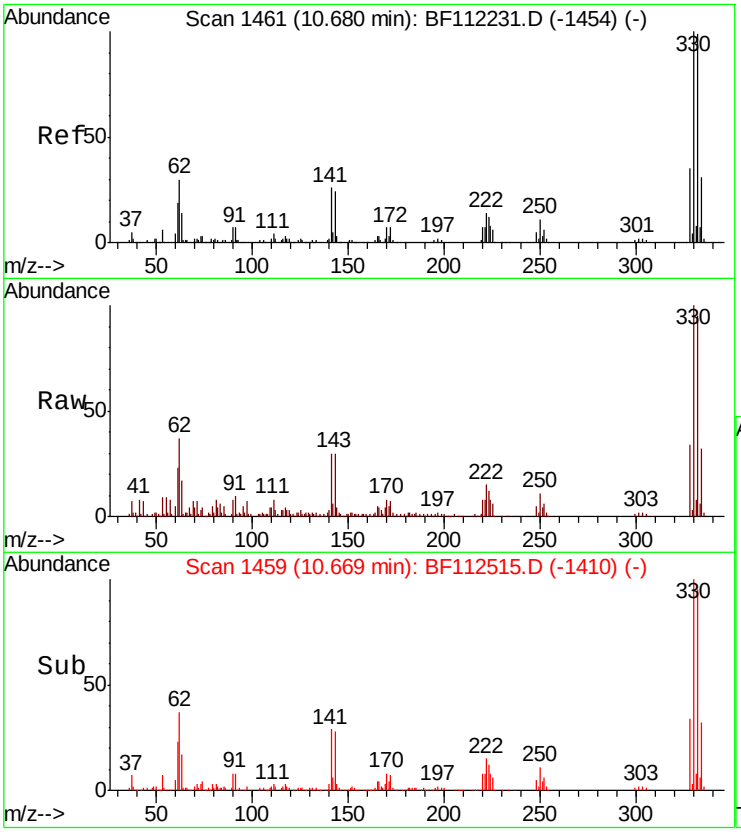


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:164 Resp: 202052

Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.2	123.4
160	47.6	36.2	54.4

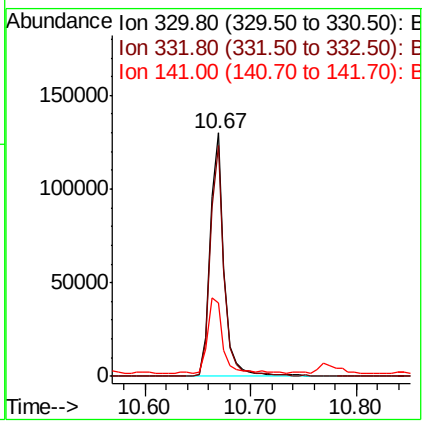




#42
2,4,6-Tribromophenol
Concen: 51.724 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:330 Resp: 121646

Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.6	114.8
141	34.6	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Manual Integrations APPROVED
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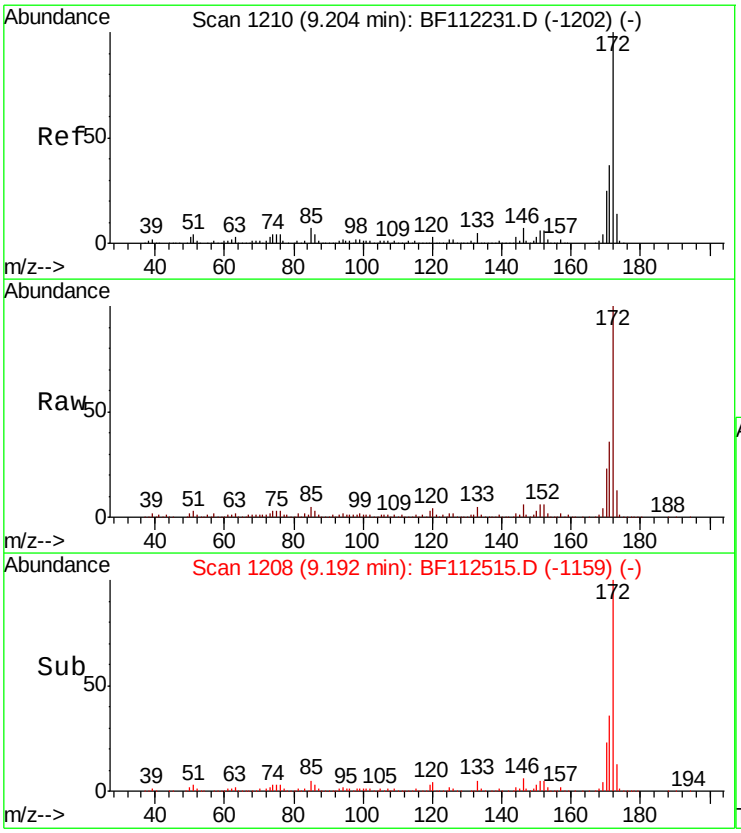
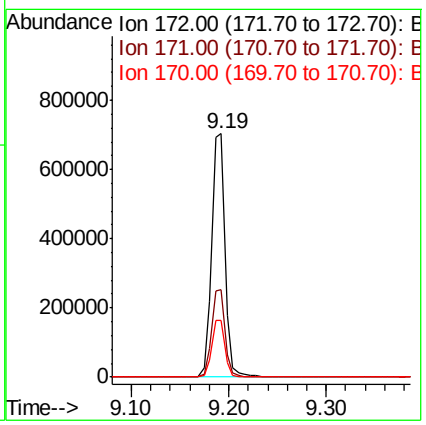
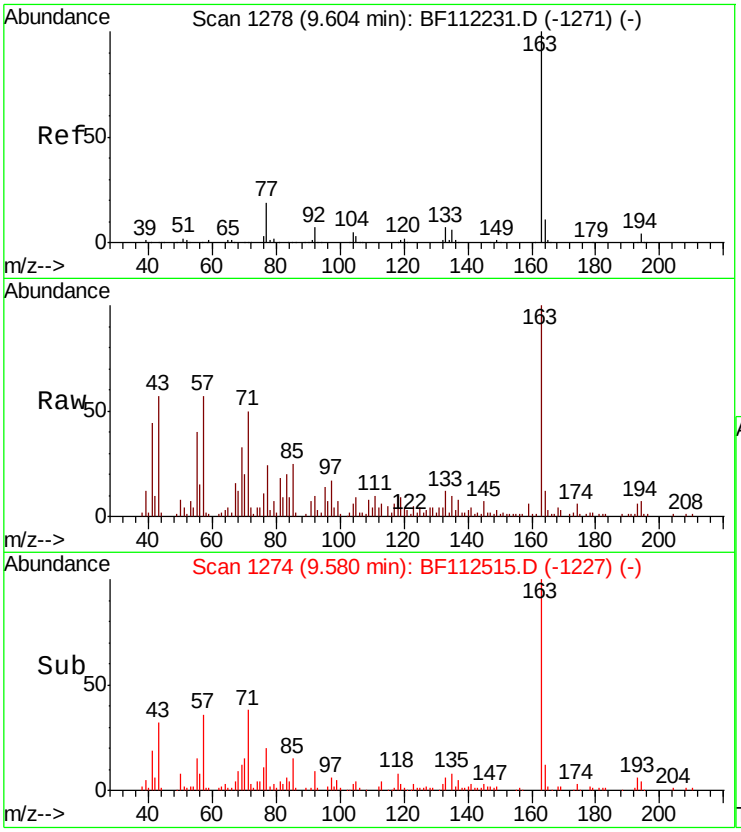


#45
2-Fluorobiphenyl
Concen: 47.077 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:172 Resp: 672545

Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.5	45.7
170	23.2	20.2	30.4

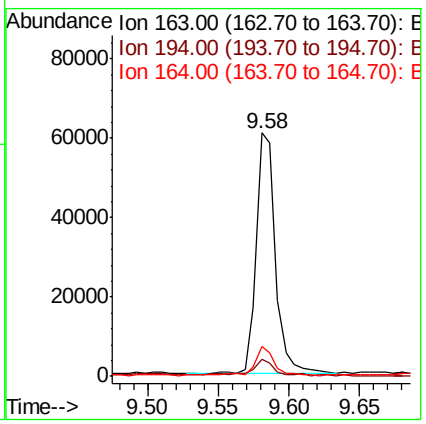




#50
Dimethylphthalate
Concen: 3.771 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:163 Resp: 59200

Ion	Ratio	Lower	Upper
163	100		
194	6.9	3.3	4.9#
164	12.1	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

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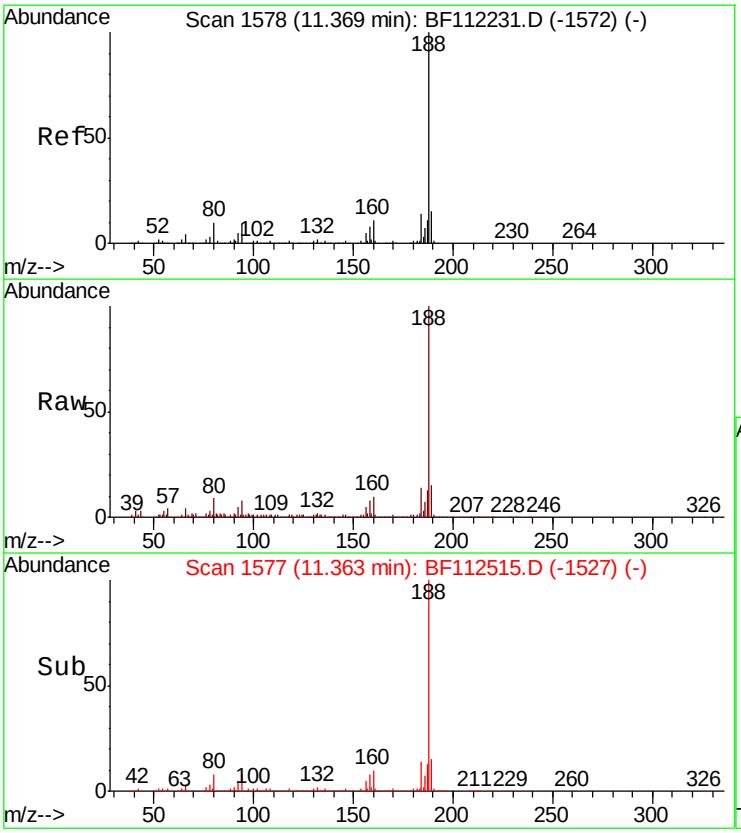
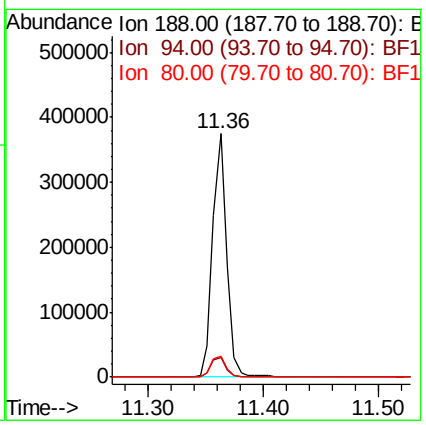
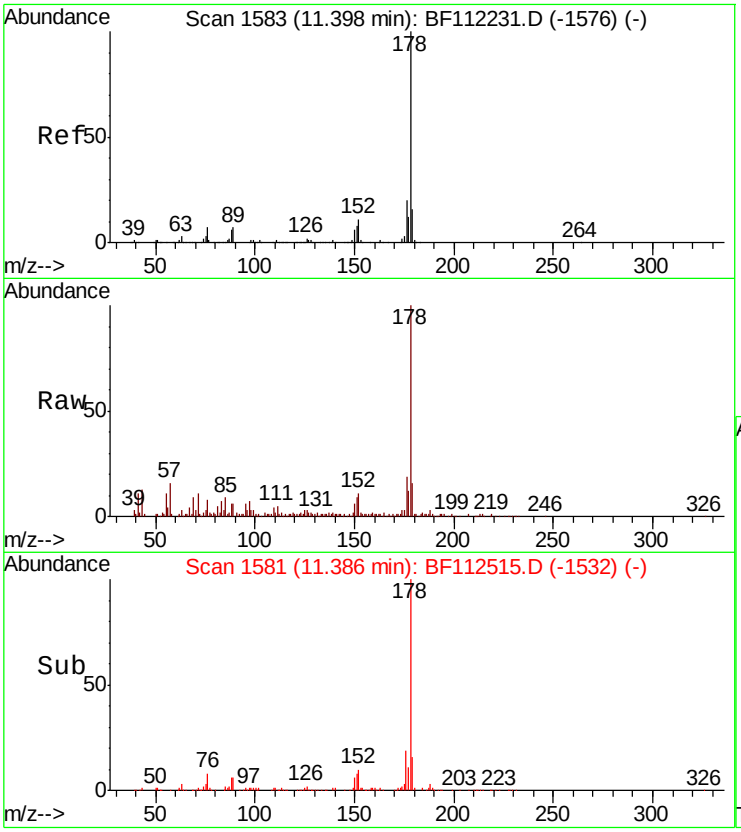


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:188 Resp: 317383

Ion	Ratio	Lower	Upper
188	100		
94	7.8	8.2	12.2#
80	8.6	8.9	13.3#

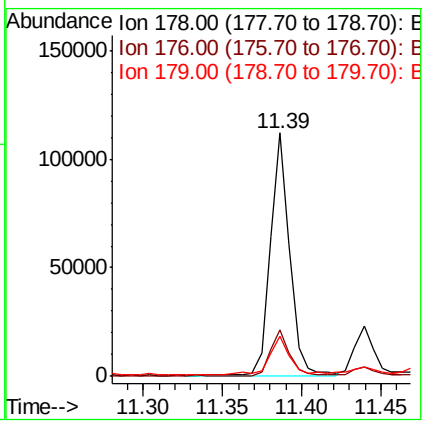




#71
Phenanthrene
Concen: 5.786 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:178 Resp: 95477

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	16.4	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

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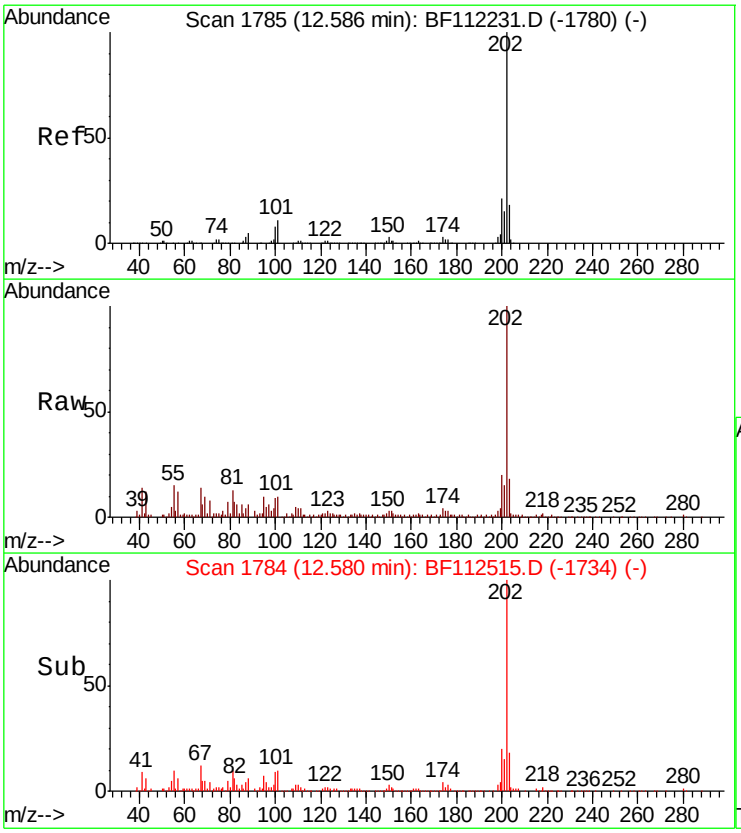
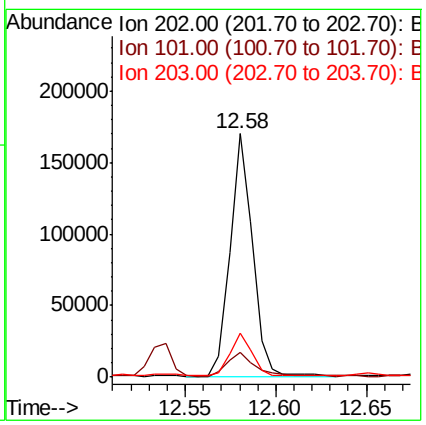
2/13/2019 11:12:15 AM

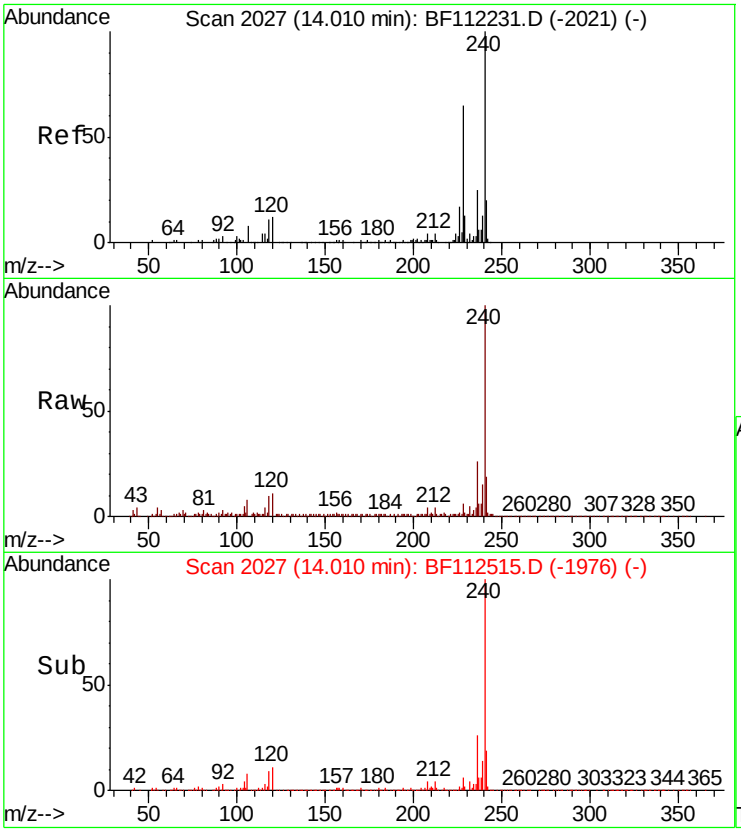


#75
Fluoranthene
Concen: 8.268 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:202 Resp: 146322

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.8
203	18.2	0.0	38.4

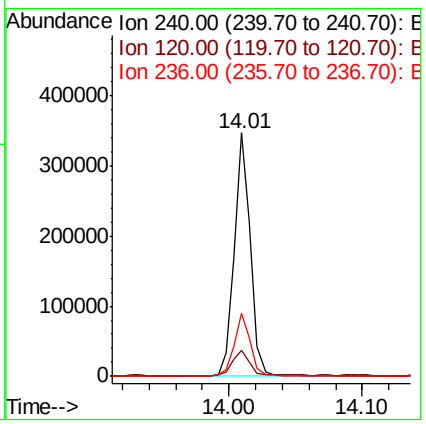




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:240 Resp: 293466

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.6
236	25.8	20.7	31.1



Instrument :
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ClientSampleId :
JC-02-021119-K

Manual Integrations APPROVED
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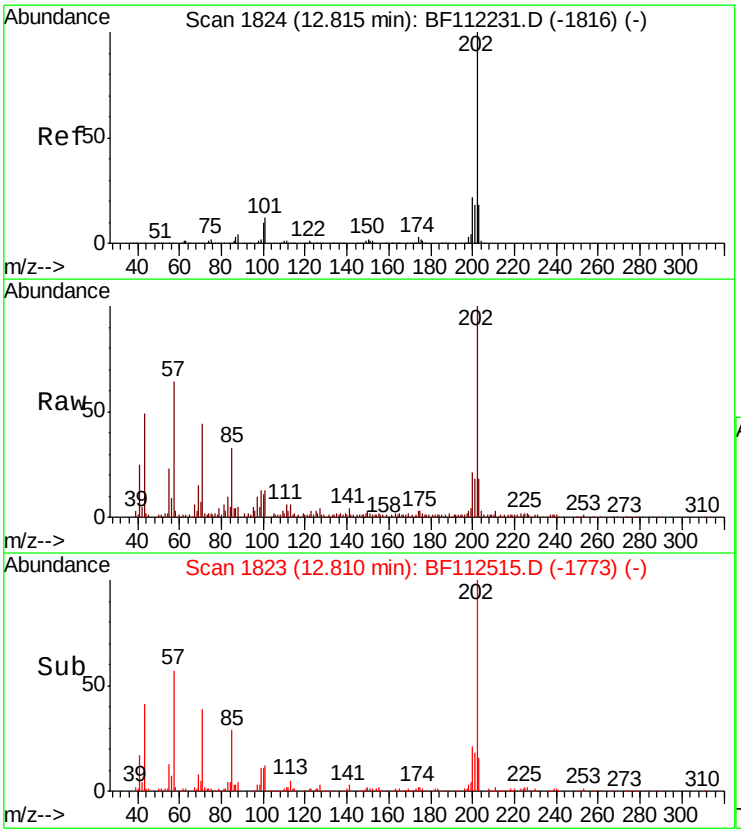
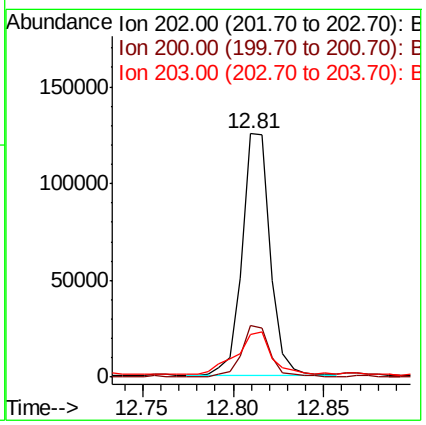
2/13/2019 11:12:15 AM

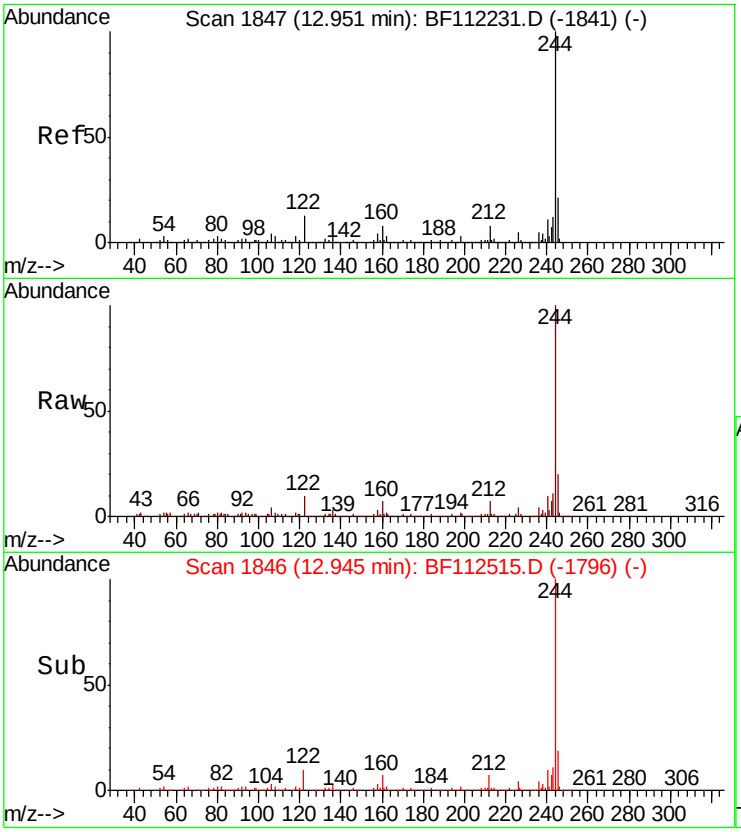


#78
Pyrene
Concen: 6.630 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:202 Resp: 134714

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.7	26.5
203	17.7	14.6	22.0

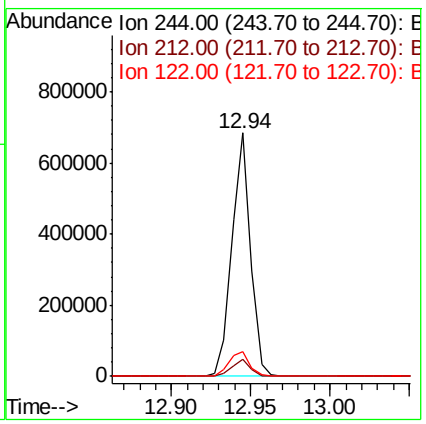




#79
Terphenyl-d14
Concen: 35.761 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

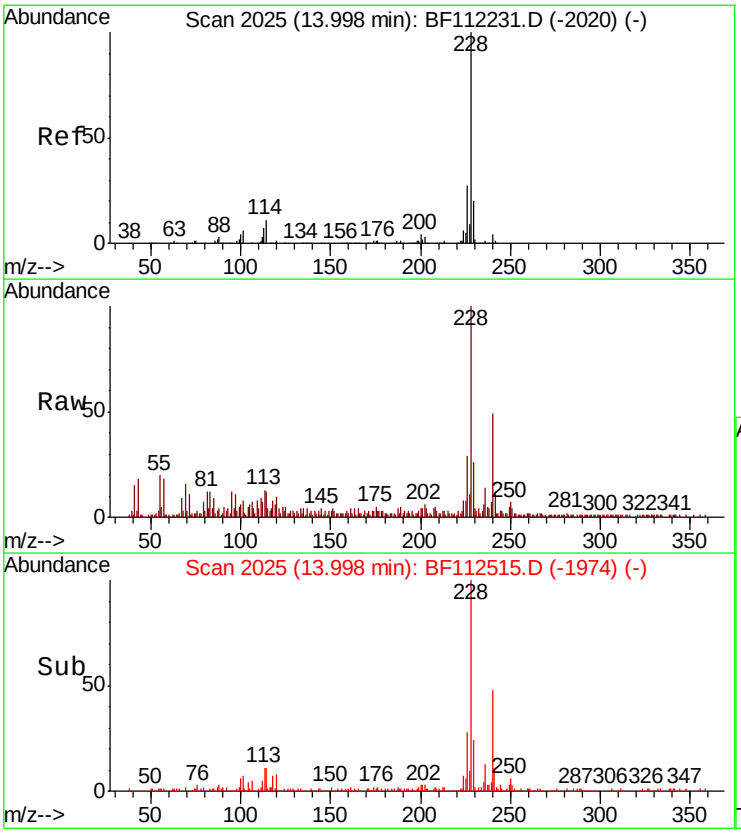
Tgt Ion:244 Resp: 557209

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	10.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

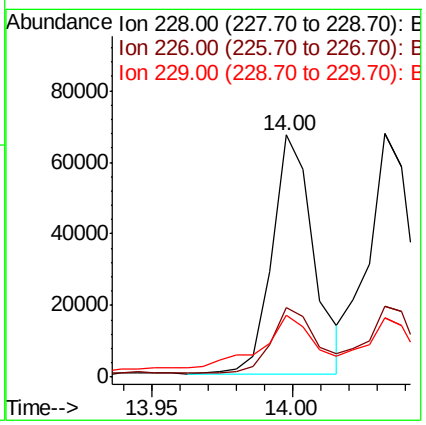
Manual Integrations APPROVED
Sohil
2/13/2019 11:12:15 AM

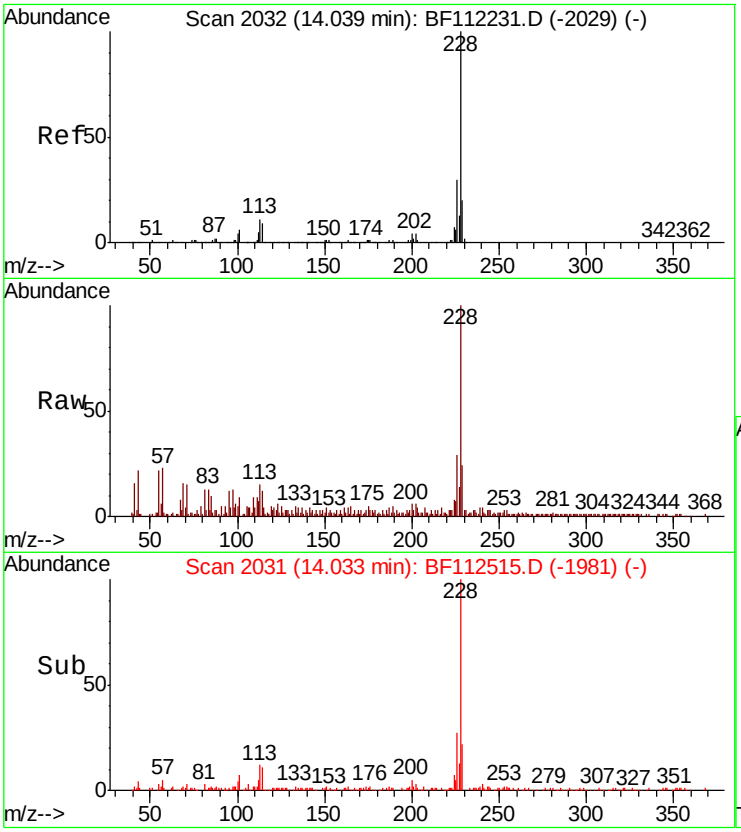


#81
Benzo(a)anthracene
Concen: 3.961 ng m
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:228 Resp: 68338

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	25.6	16.5	24.7#

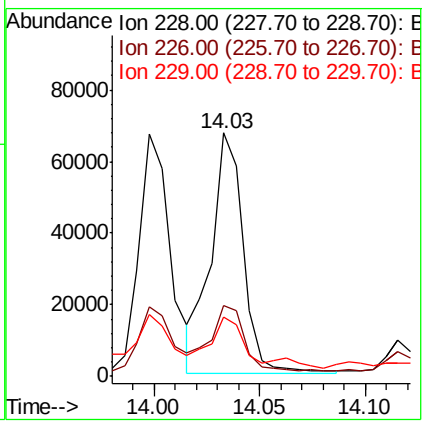




#83
Chrysene
Concen: 4.337 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:228 Resp: 71418

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	24.3	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

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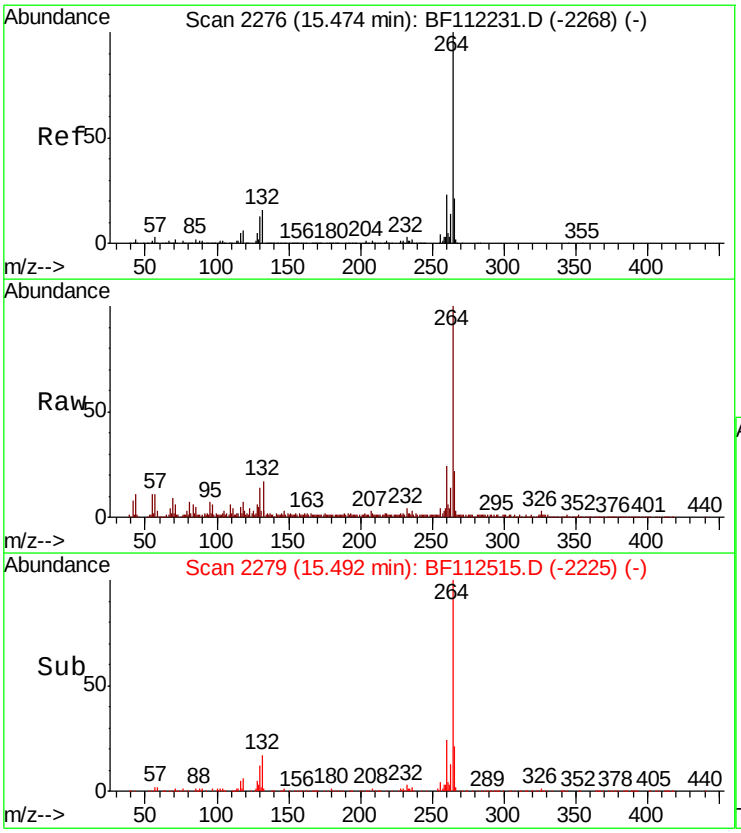
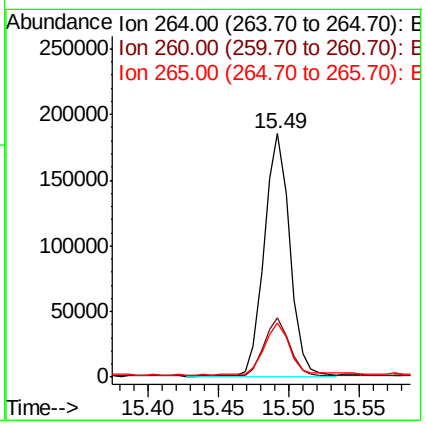
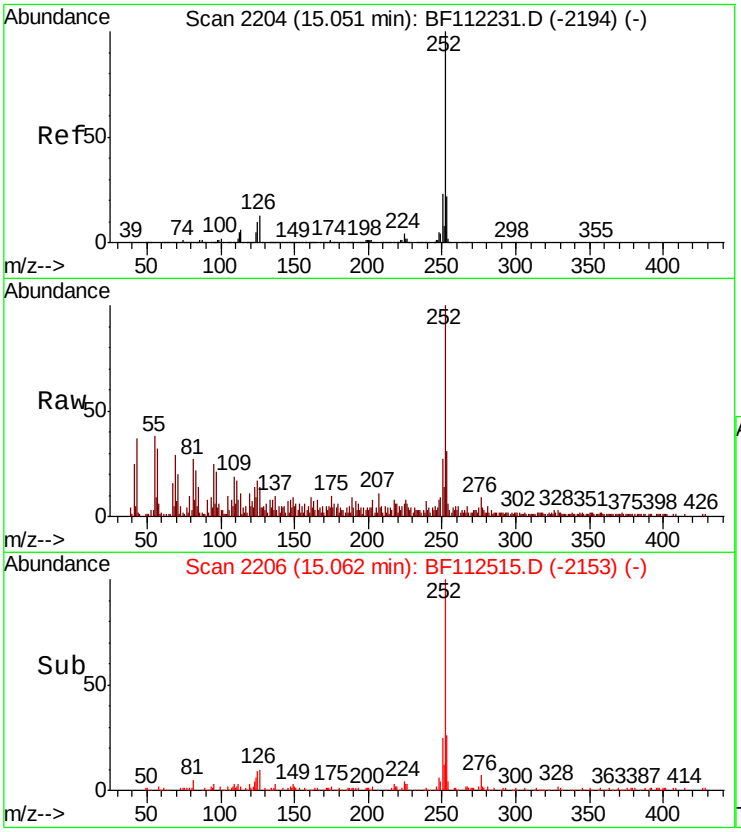


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:264 Resp: 235078

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.2
265	22.1	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 5.652 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:252 Resp: 79456

Ion	Ratio	Lower	Upper
252	100		
253	30.8	18.0	27.0#
125	17.3	8.7	13.1#

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

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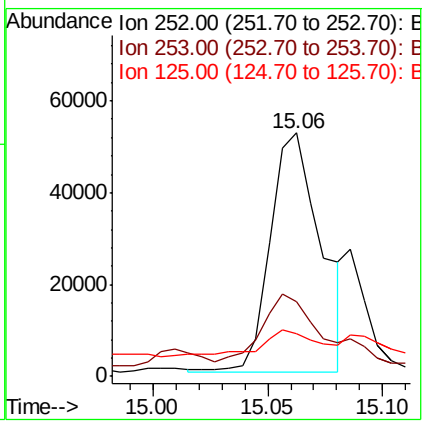
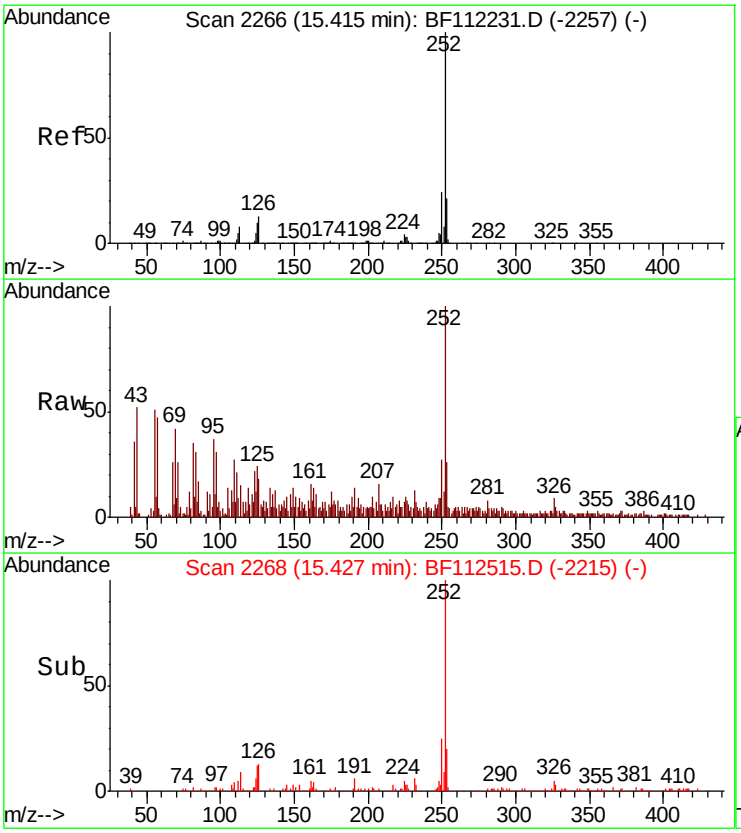
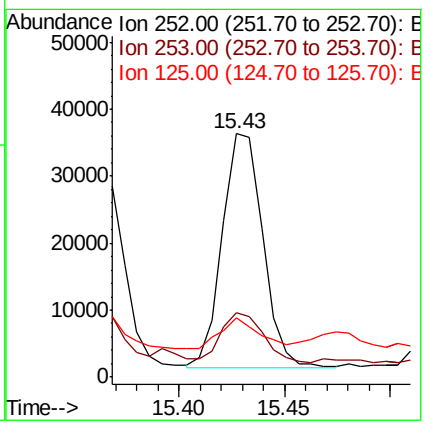


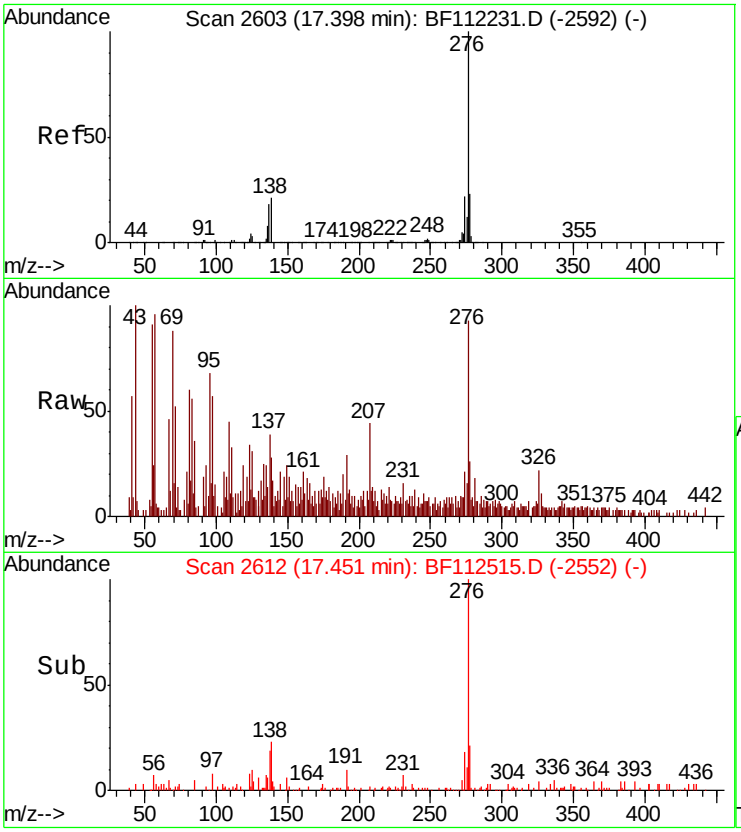


#90
Benzo(a)pyrene
Concen: 3.699 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:252 Resp: 46793

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3#
125	24.1	9.0	13.4#

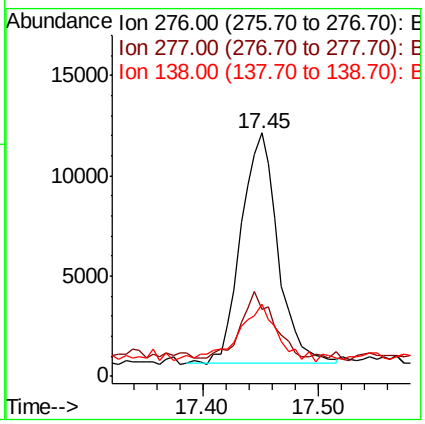




#92
Benzo(g,h,i)perylene
Concen: 2.654 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112515.D
Acq: 12 Feb 2019 17:22

Tgt Ion:276 Resp: 25525

Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.4	29.0
138	29.7	19.1	28.7#



Instrument :
BNA_F
ClientSampleId :
JC-02-021119-K

Manual Integrations APPROVED
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