Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108800.D
Acq On : 6 Sep 2018 3:06
Operator : JU/SJ
Sample : J4791-07 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
Sohil
9/6/2018 4:46:01 PM

Quant Time: Sep 06 11:07:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	269083	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	1043438	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	467570	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	785529	20.00	ng	0.00
75) Chrysene-d12	13.87	240	630957	20.00	ng	0.00
86) Perylene-d12	15.27	264	511276	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	198915	12.25	ng	0.00
7) Phenol-d6	6.35	99	264217	12.64	ng	-0.01
23) Nitrobenzene-d5	7.29	82	136331	8.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	45720	10.24	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	305671	11.15	ng	0.00
78) Terphenyl-d14	12.82	244	256497	9.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	65629	2.007	ng	99
70) Phenanthrene	11.27	178	171689	4.577	ng	97
71) Anthracene	11.31	178	91058	2.535	ng	99
74) Fluoranthene	12.45	202	312620	8.417	ng	97
77) Pyrene	12.67	202	295986	6.096	ng	97
80) Benzo(a)anthracene	13.85	228	141205	3.492	ng	95
82) Chrysene	13.89	228	122718	3.134	ng	97
87) Benzo(b)fluoranthene	14.87	252	141767m	5.099	ng	
89) Benzo(a)pyrene	15.21	252	90880	3.623	ng	98
91) Benzo(g,h,i)perylene	17.02	276	51498	2.327	ng	95

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
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Misc :
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Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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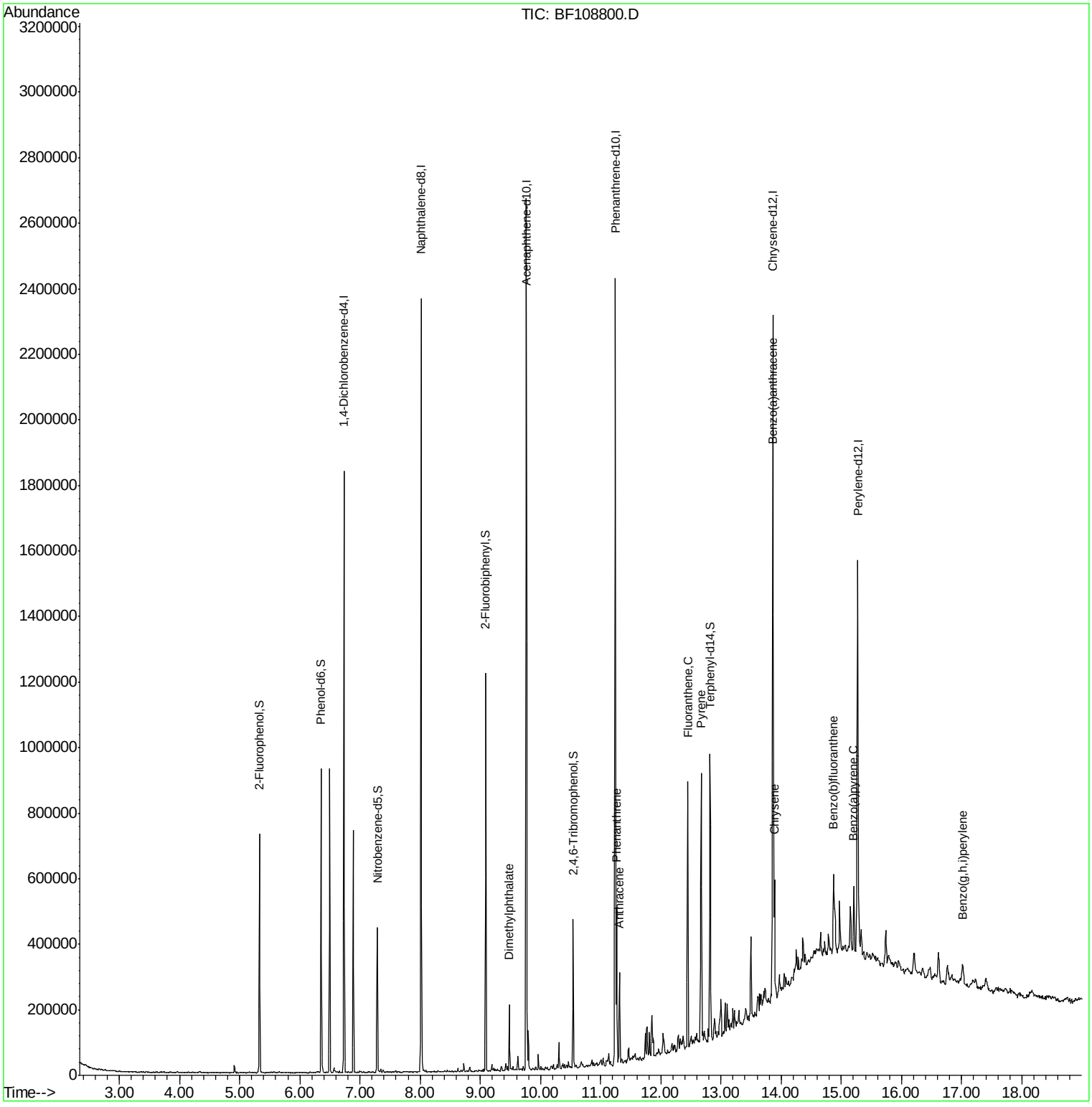
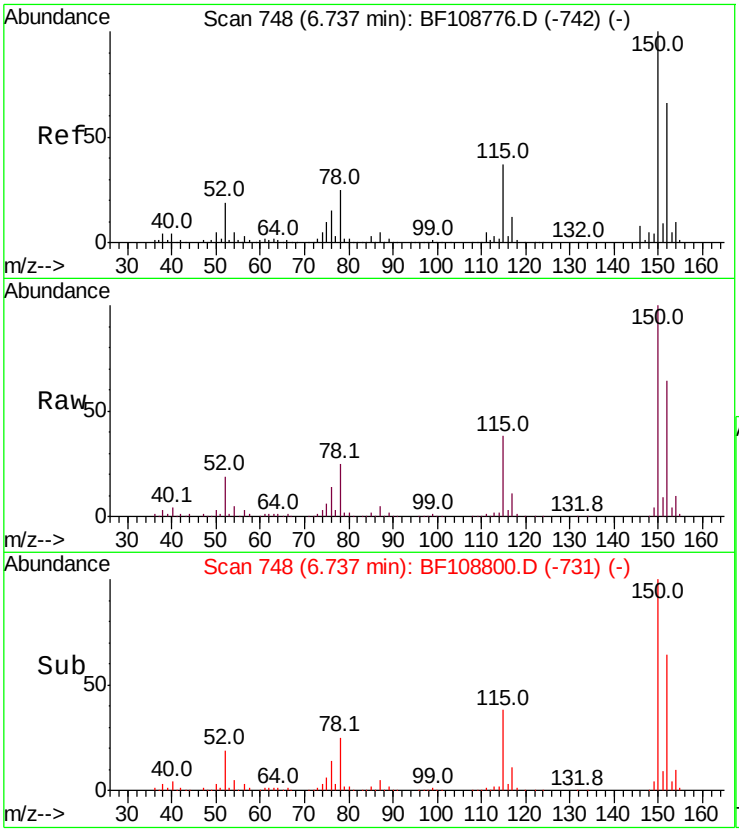
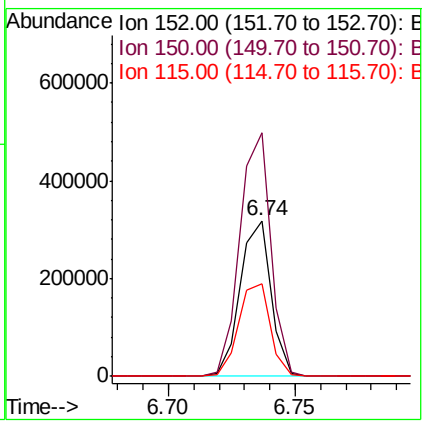




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:152 Resp: 269083

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	59.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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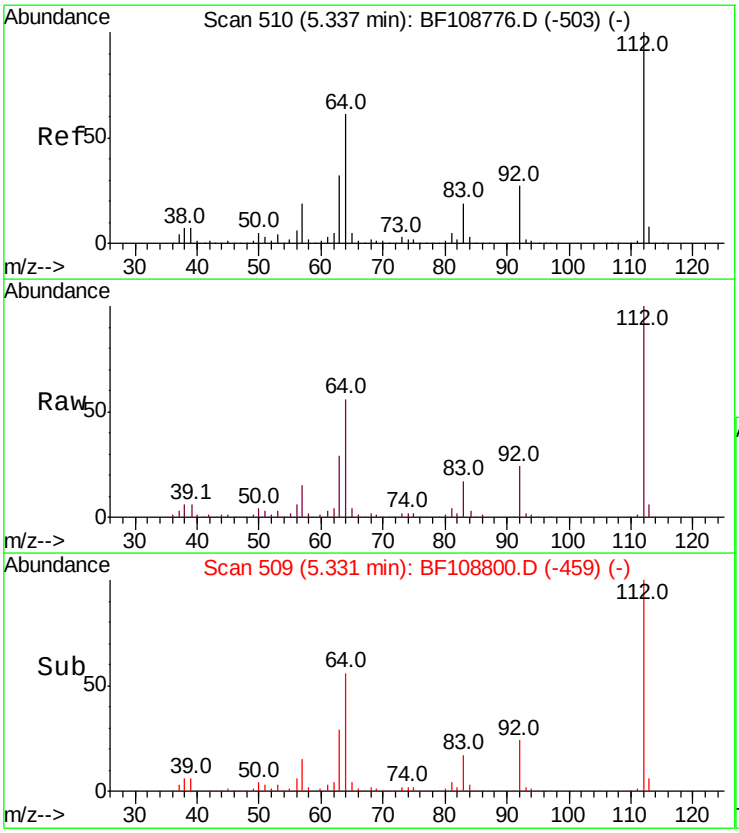
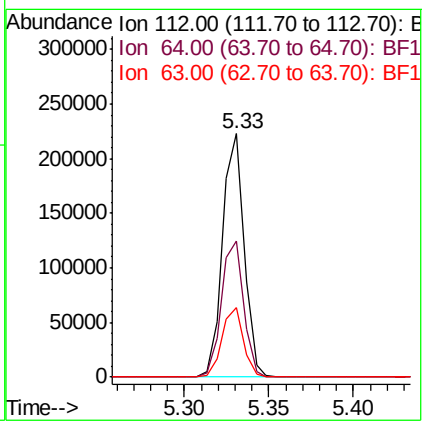
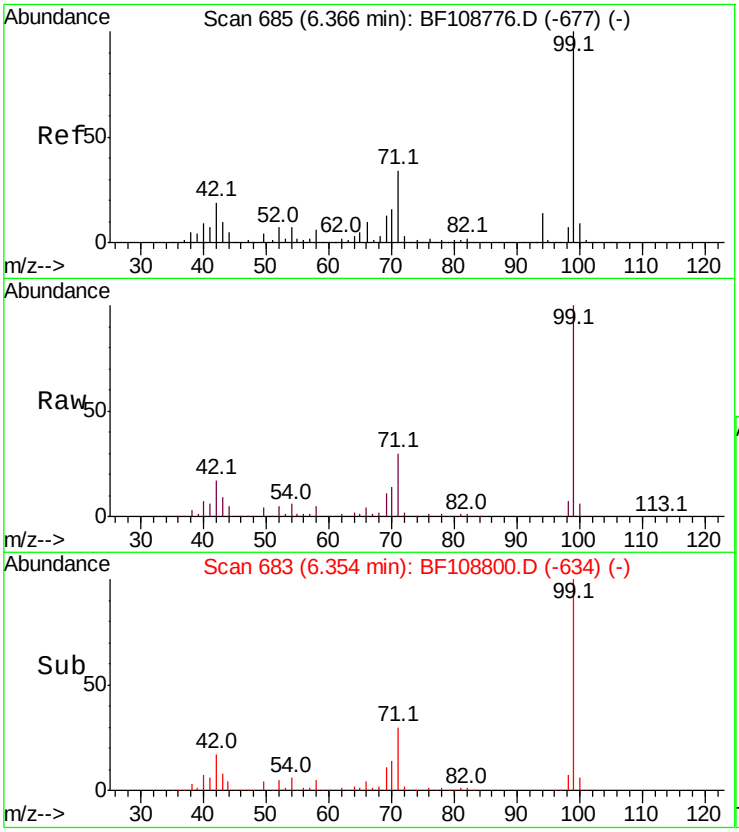


#5
2-Fluorophenol
Concen: 12.247 ng
RT: 5.33 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:112 Resp: 198915

Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.7	23.7	35.5

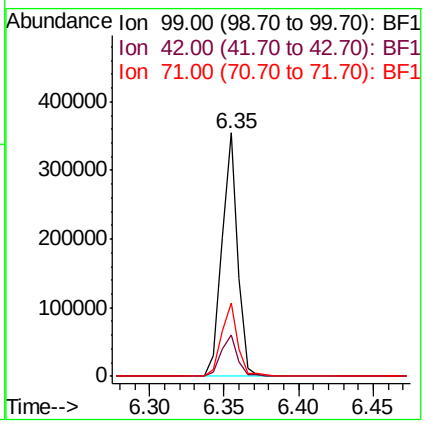




#7
Phenol-d6
Concen: 12.643 ng
RT: 6.35 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion: 99 Resp: 264217

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.5	21.7
71	30.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

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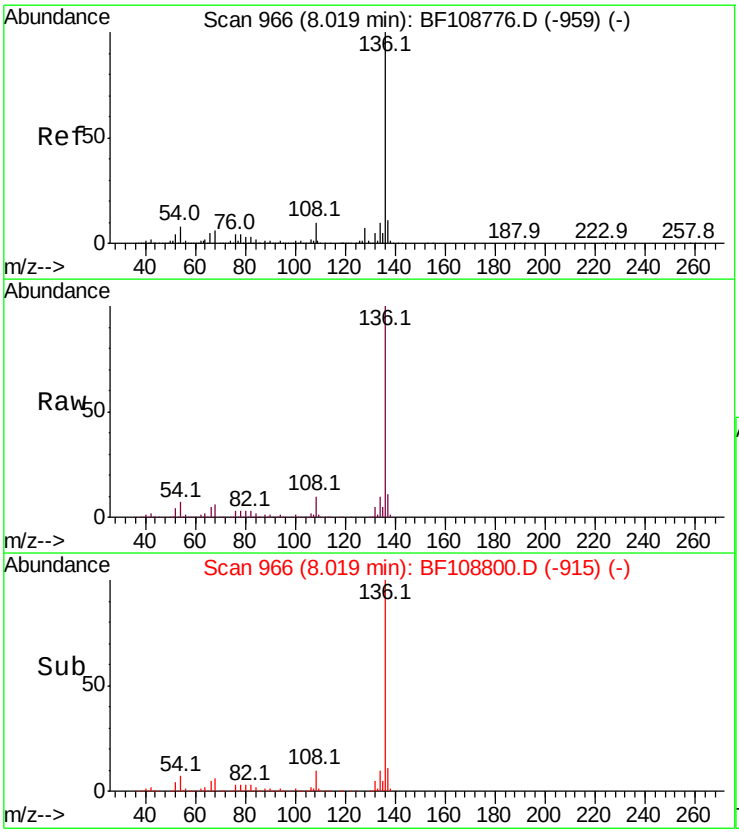
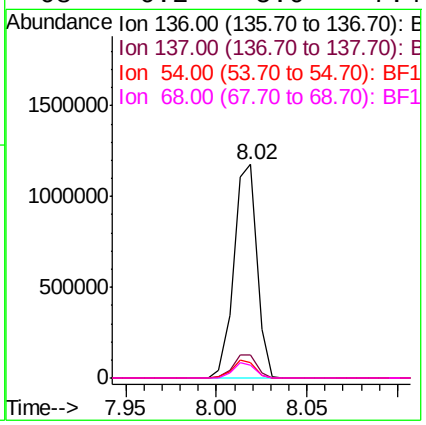
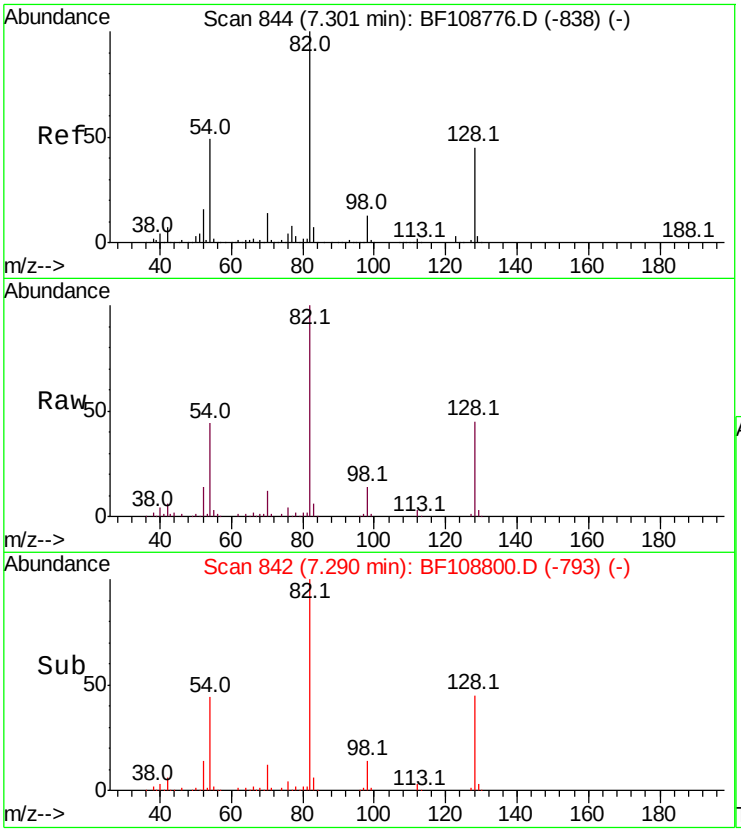


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:136 Resp: 1043438

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	6.6	9.8
68	6.2	5.0	7.4

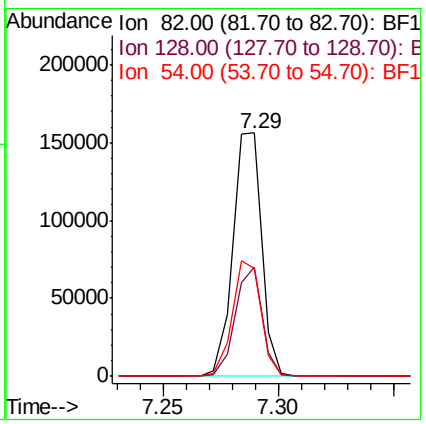




#23
Nitrobenzene-d5
Concen: 8.177 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion: 82 Resp: 136331

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	44.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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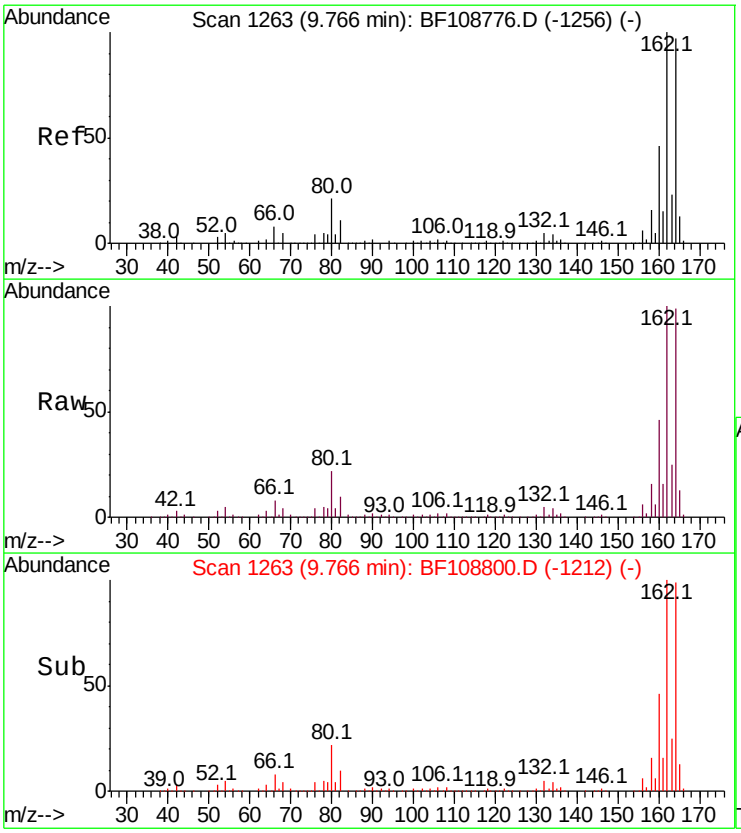
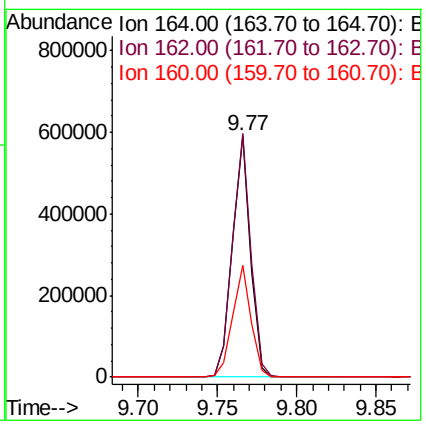
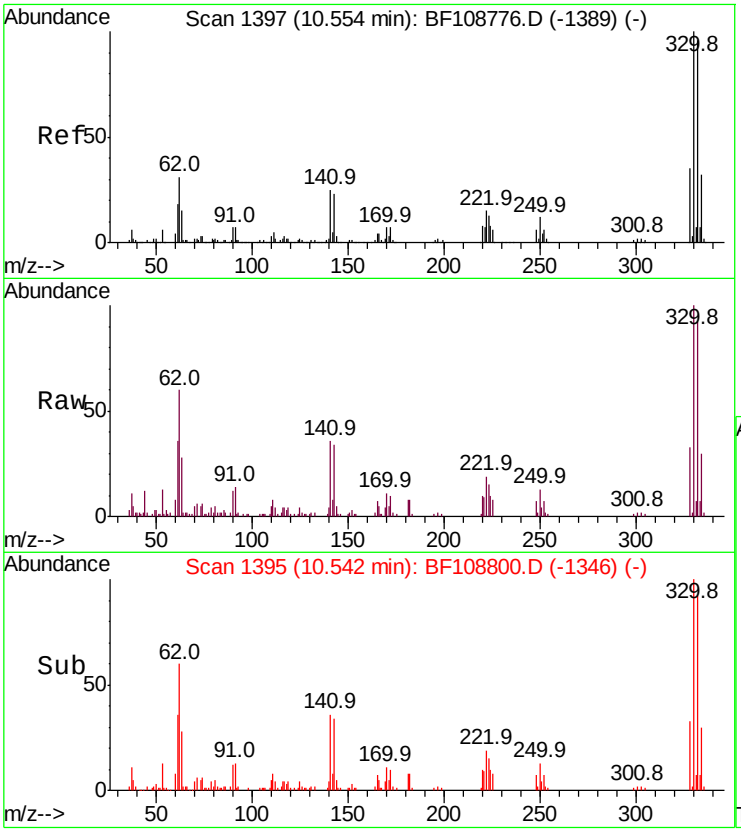


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:164 Resp: 467570

Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	46.5	38.3	57.5

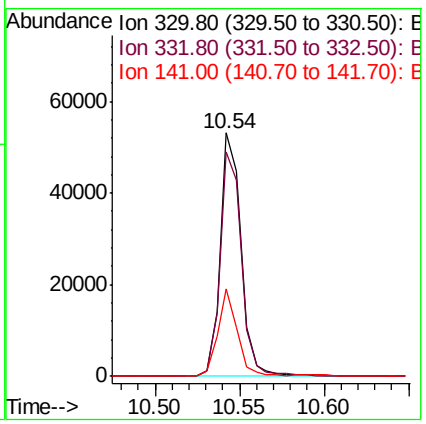




#41
2,4,6-Tribromophenol
Concen: 10.243 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:330 Resp: 45720

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	33.6	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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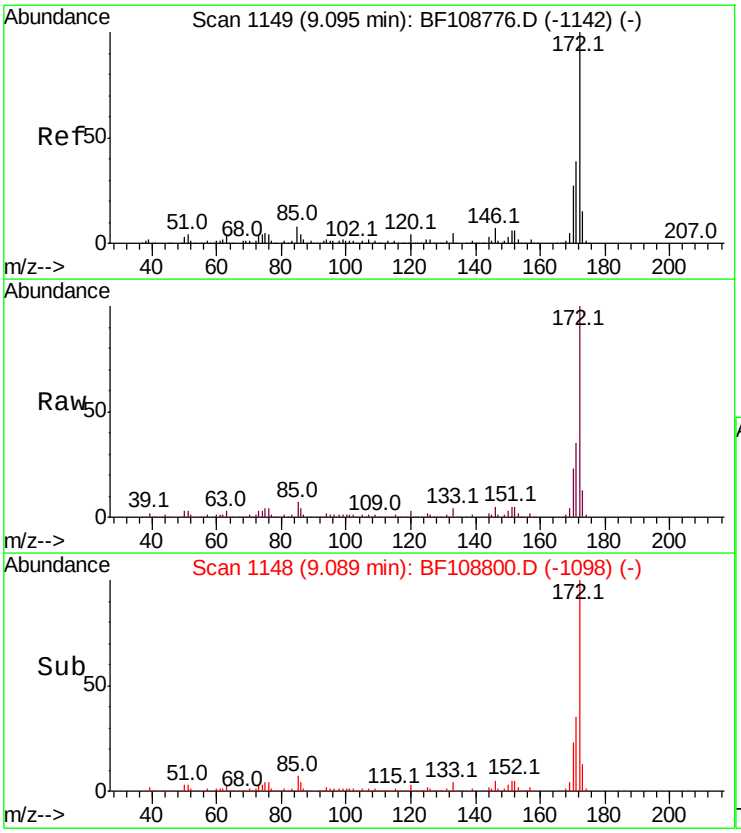
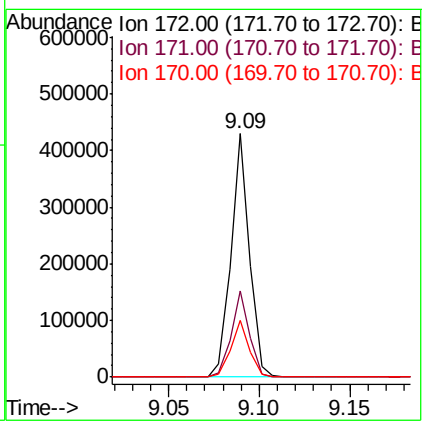
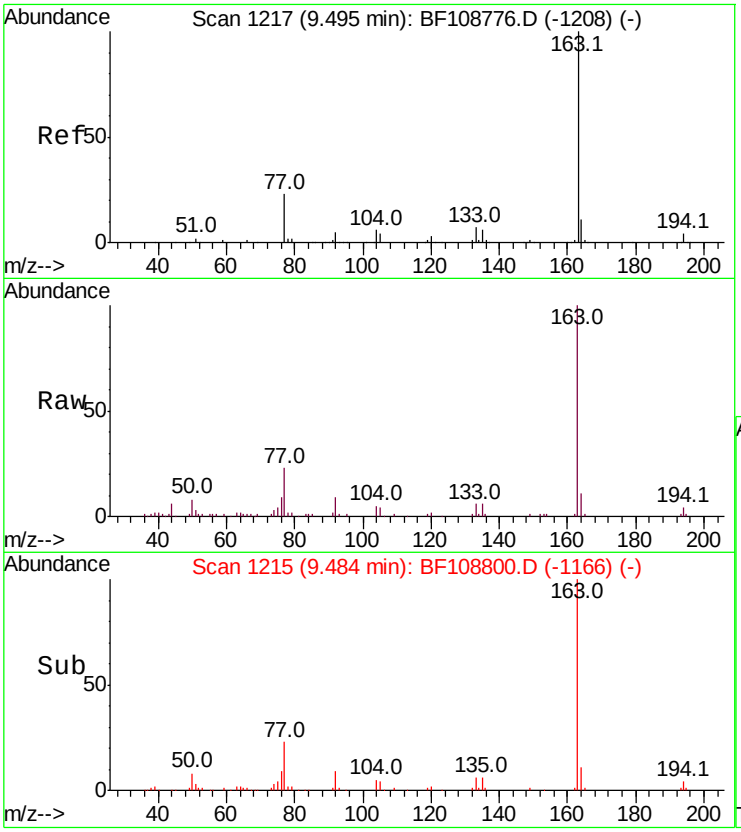


#44
2-Fluorobiphenyl
Concen: 11.153 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:172 Resp: 305671

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.2	19.6	29.4

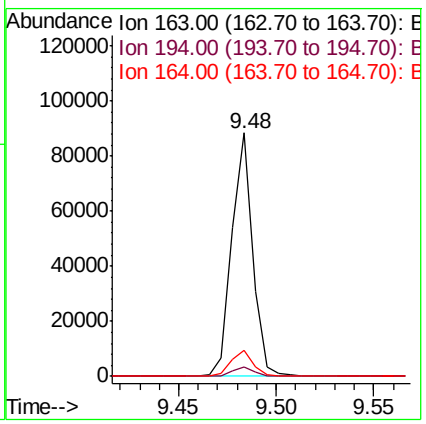




#49
Dimethylphthalate
Concen: 2.007 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:163 Resp: 65629

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.5	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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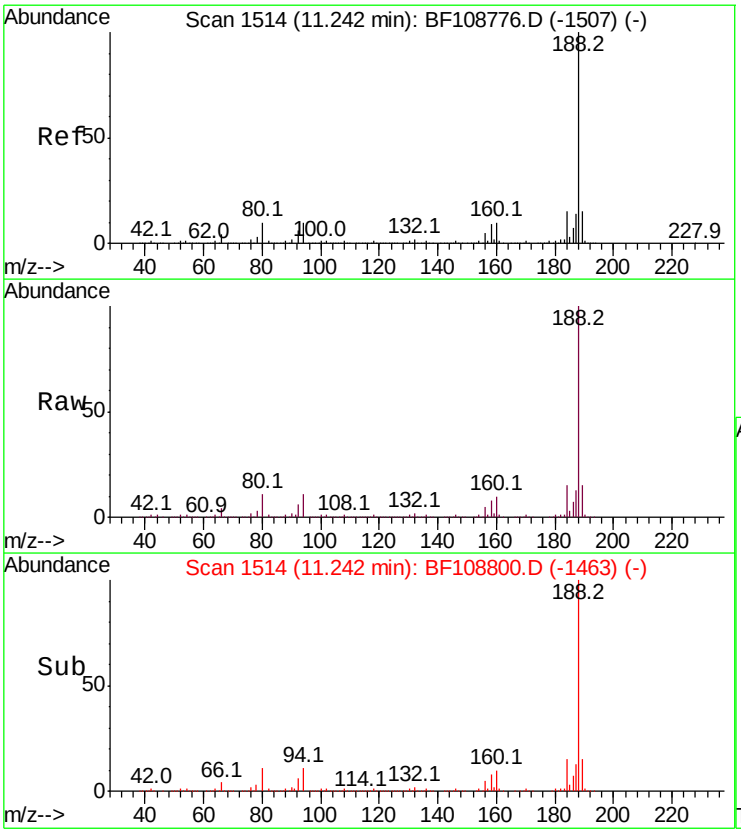
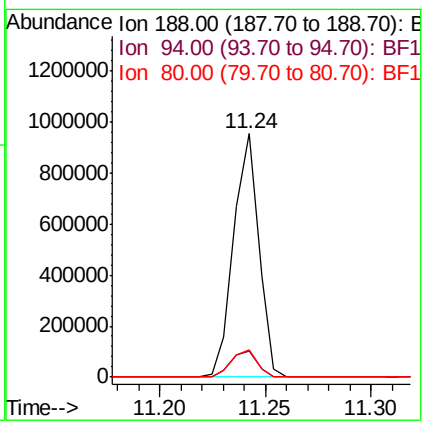
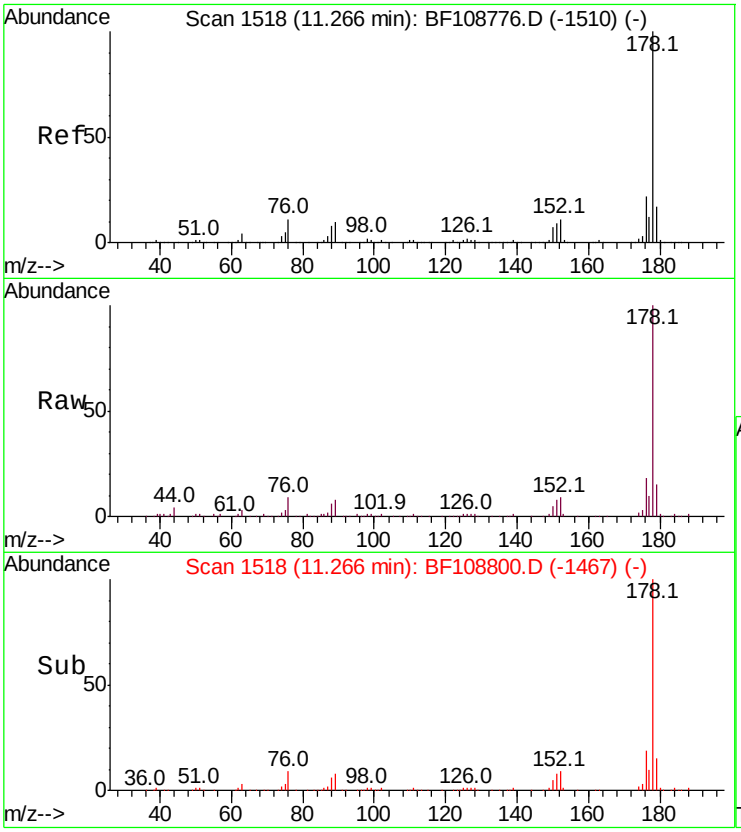


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:188 Resp: 785529

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.4	9.2	13.8

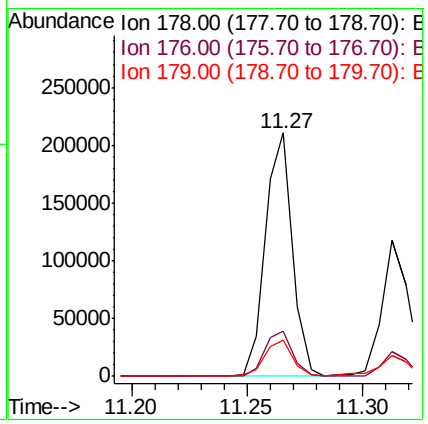




#70
Phenanthrene
Concen: 4.577 ng
RT: 11.27 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:178 Resp: 171689

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.8	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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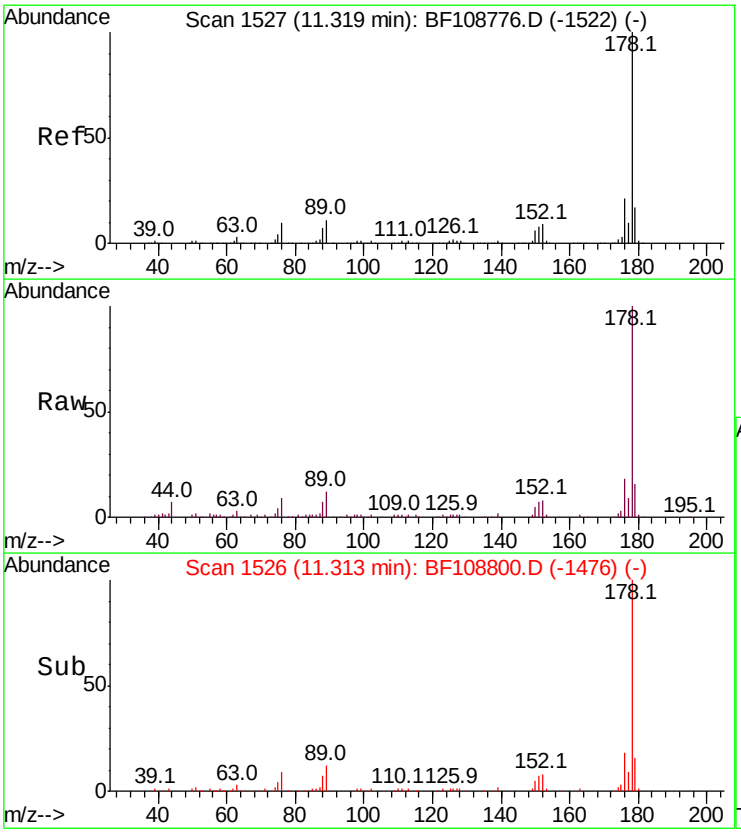
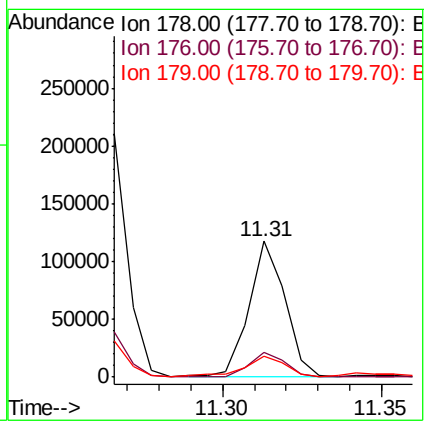
9/6/2018 4:46:01 PM

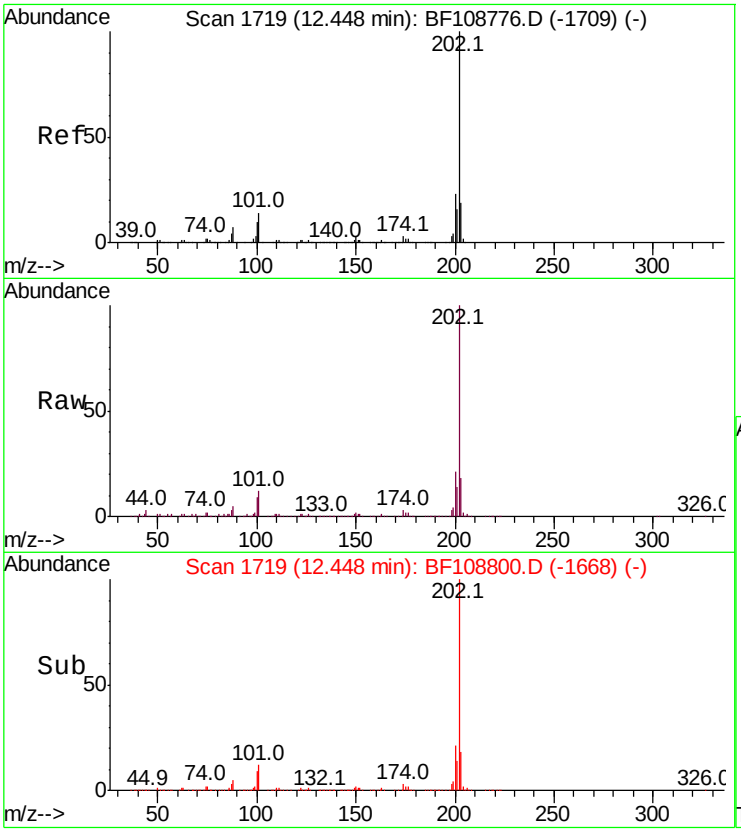


#71
Anthracene
Concen: 2.535 ng
RT: 11.31 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:178 Resp: 91058

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.9	12.6	19.0

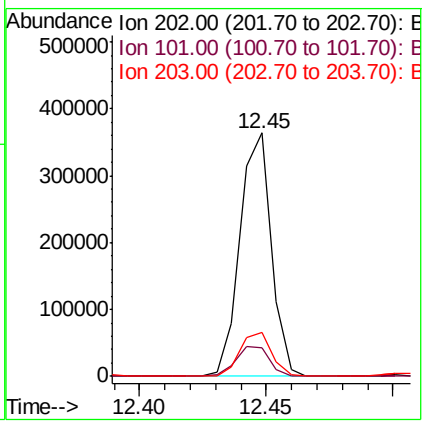




#74
Fluoranthene
Concen: 8.417 ng
RT: 12.45 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:202 Resp: 312620

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	18.2	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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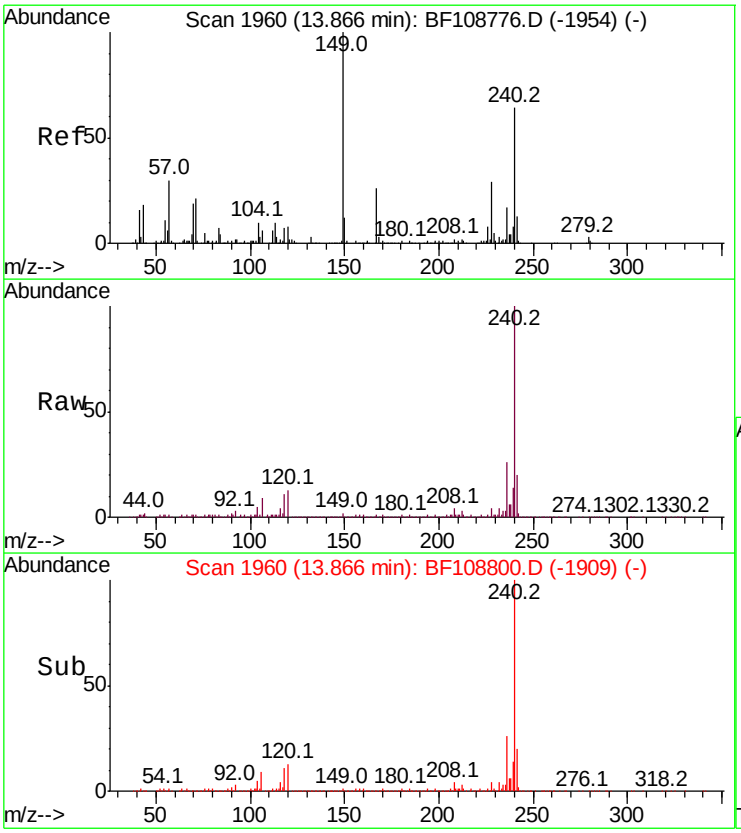
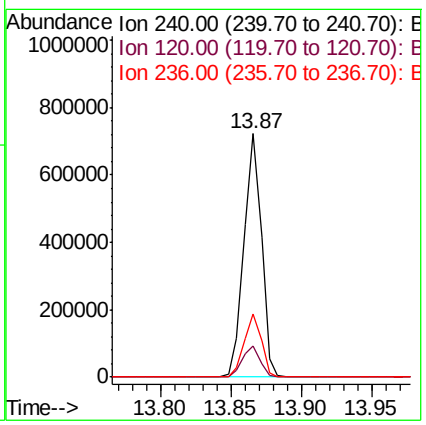
9/6/2018 4:46:01 PM

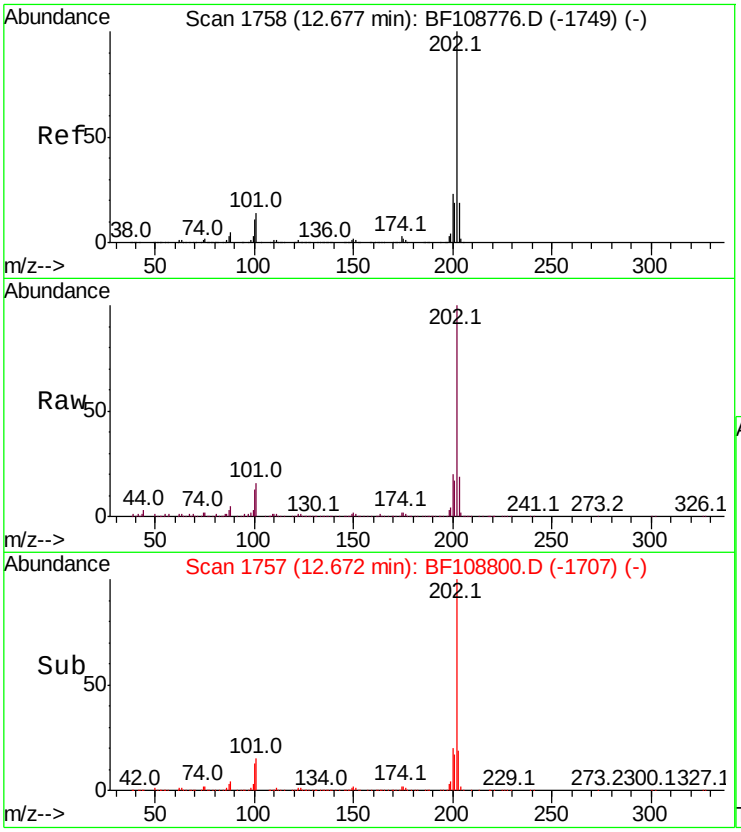


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:240 Resp: 630957

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.5	14.3
236	26.0	20.7	31.1

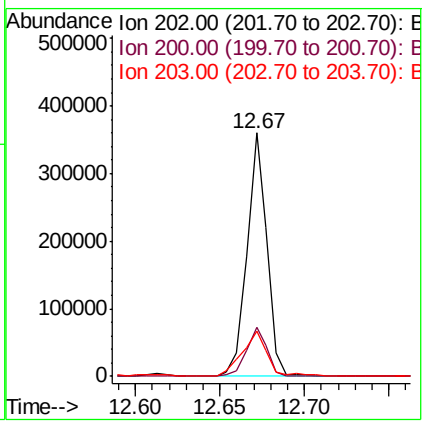




#77
Pyrene
Concen: 6.096 ng
RT: 12.67 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:202 Resp: 295986

Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	18.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
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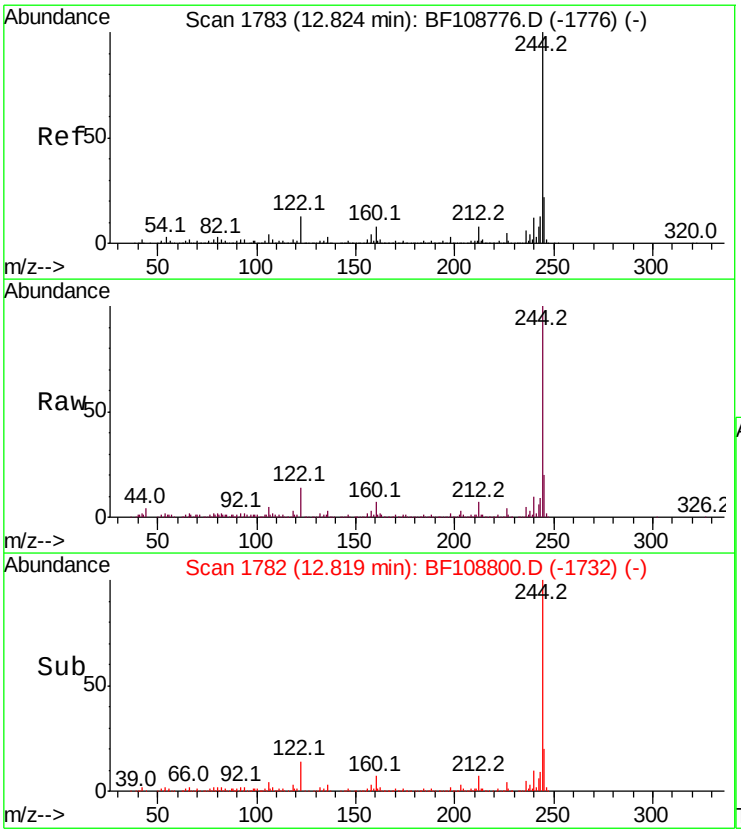
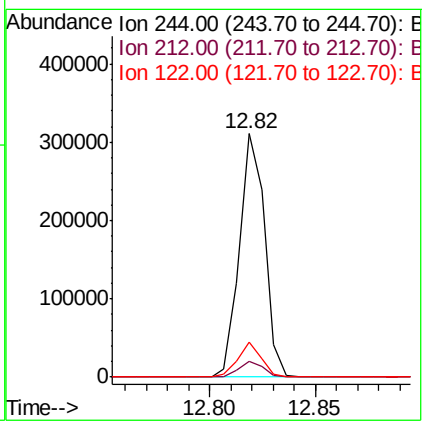
9/6/2018 4:46:01 PM

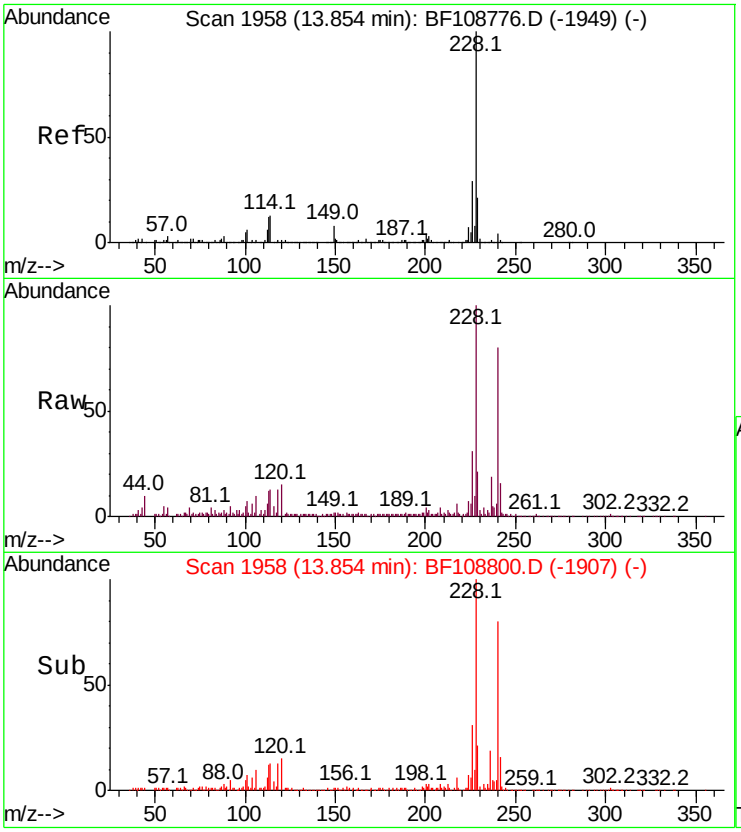


#78
Terphenyl-d14
Concen: 9.480 ng
RT: 12.82 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:244 Resp: 256497

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	14.3	11.0	16.4

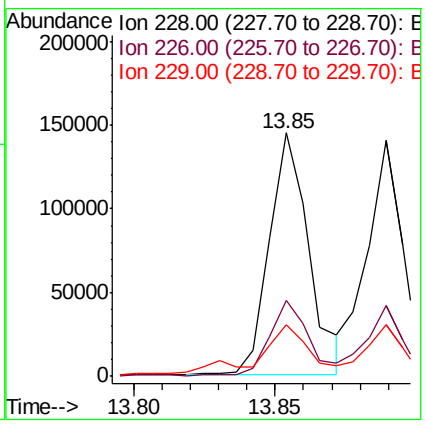




#80
Benzo(a)anthracene
Concen: 3.492 ng
RT: 13.85 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:228 Resp: 141205

Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	21.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

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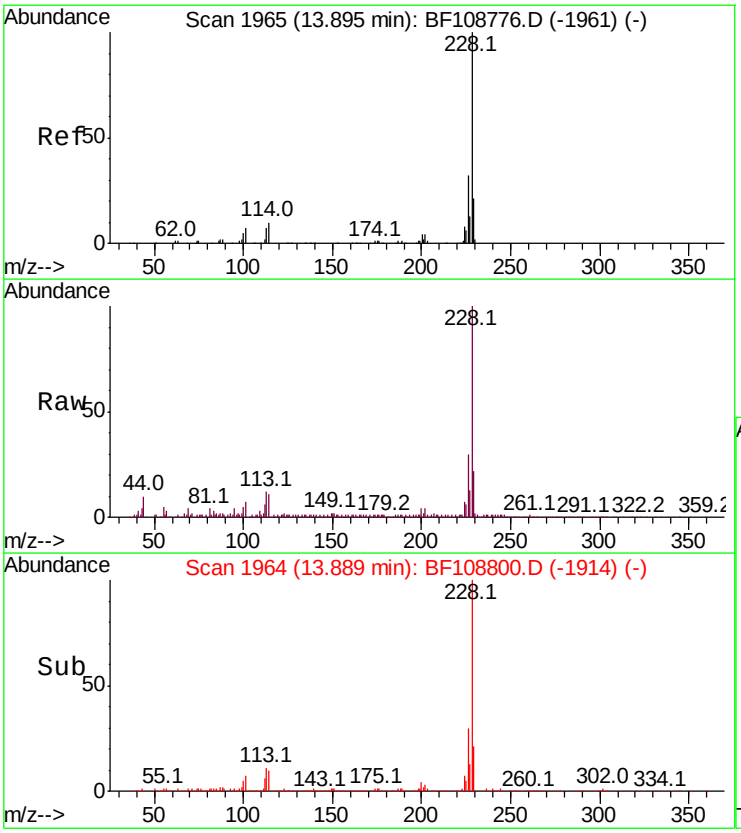
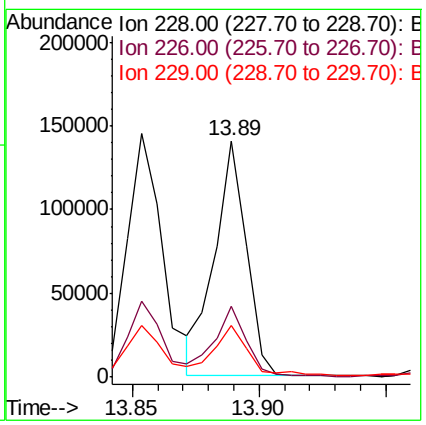
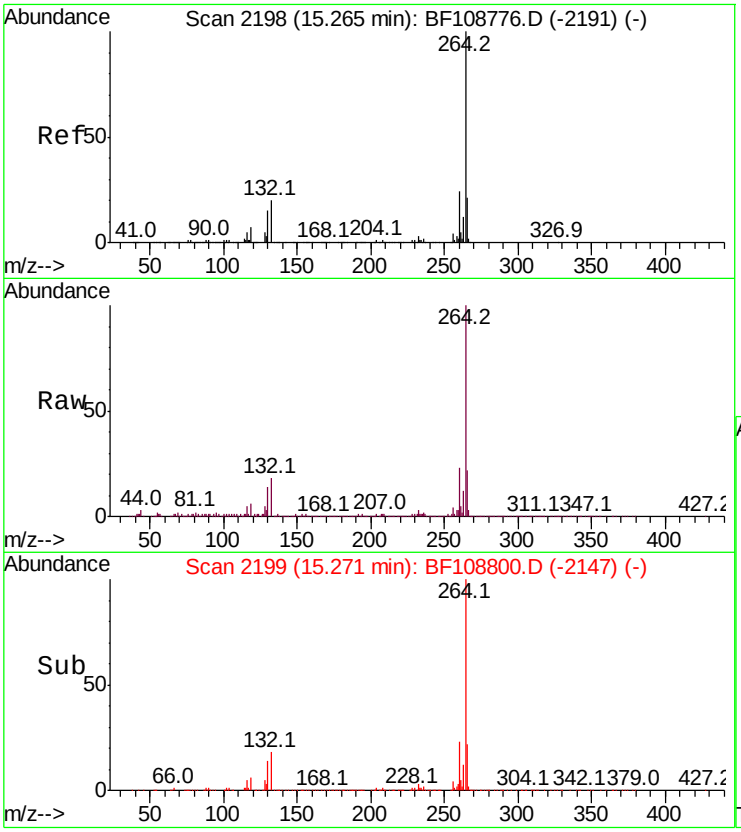


#82
Chrysene
Concen: 3.134 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:228 Resp: 122718

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.0	16.2	24.4

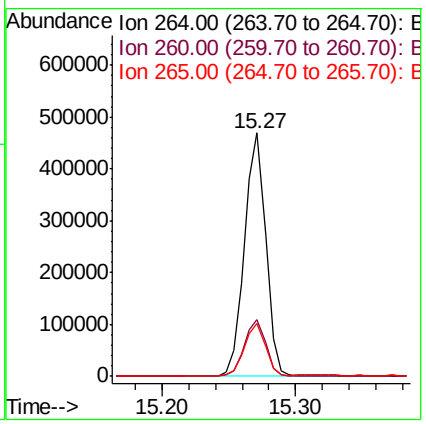




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

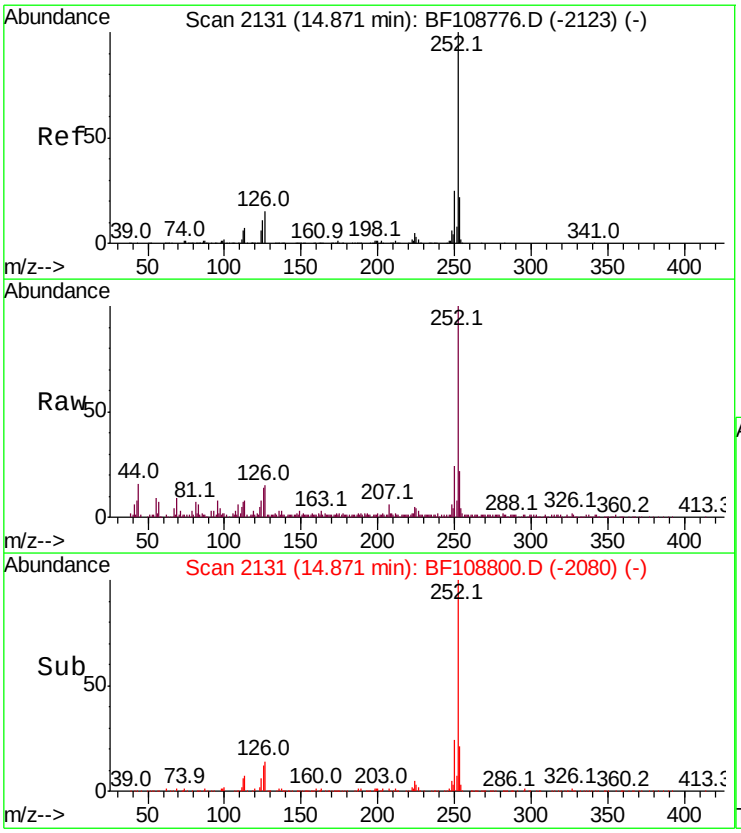
Tgt Ion:264 Resp: 511276

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

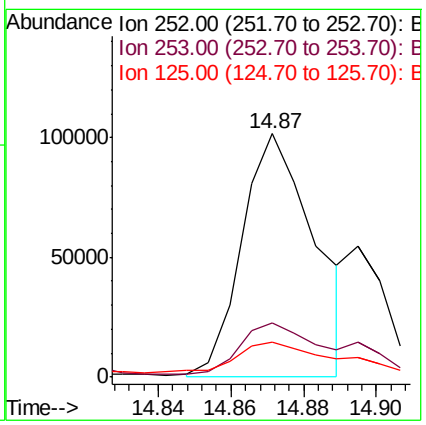
Manual Integrations APPROVED
Sohil
9/6/2018 4:46:01 PM

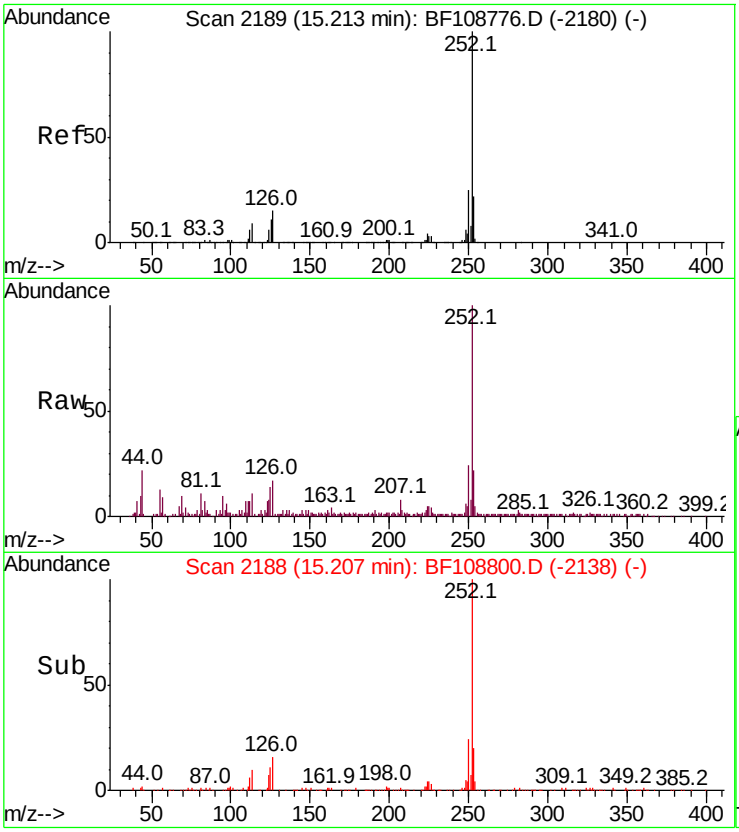


#87
Benzo(b)fluoranthene
Concen: 5.099 ng m
RT: 14.87 min Scan# 2131
Delta R.T. 0.00 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:252 Resp: 141767

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	14.1	9.0	13.6#

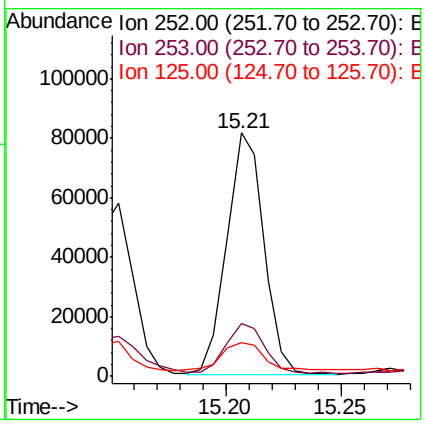




#89
Benzo(a)pyrene
Concen: 3.623 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:252 Resp: 90880

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	13.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#16

Manual Integrations APPROVED
Sohil
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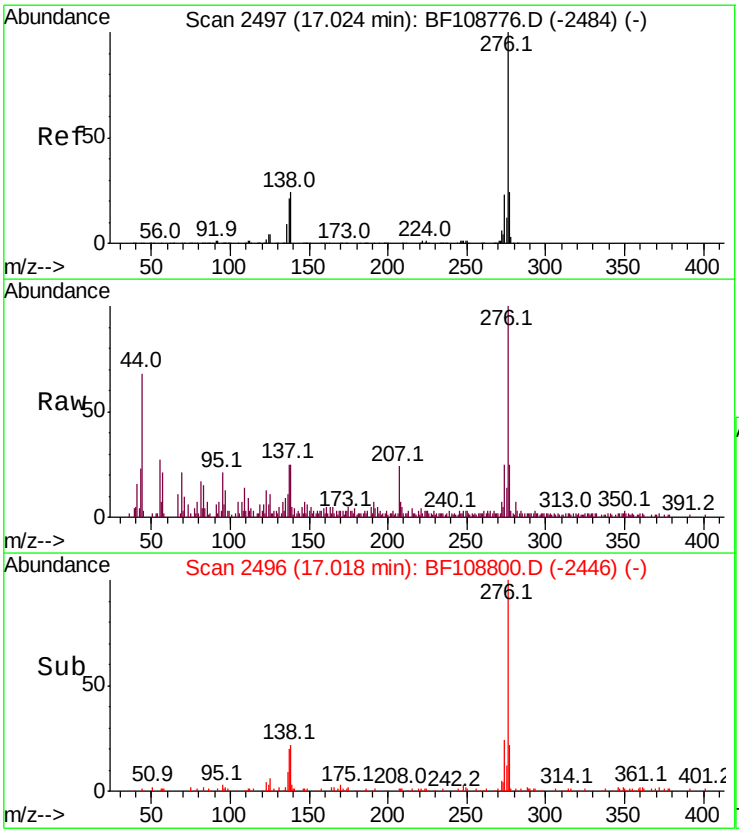

#91
Benzo(g,h,i)perylene
Concen: 2.327 ng
RT: 17.02 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BF108800.D
Acq: 6 Sep 2018 3:06

Tgt Ion:276 Resp: 51498

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	24.9	21.8	32.8