Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087577.D
Acq On : 31 May 2016 6:45
Operator : UM/SJ
Sample : H3211-10DL 10X
Misc :
ALS Vial : 95 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

Quant Time: May 31 07:35:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	94699	20.00	ng		-0.05
21) Naphthalene-d8	9.51	136	402023	20.00	ng		-0.05
38) Acenaphthene-d10	12.33	164	174811	20.00	ng		-0.06
63) Phenanthrene-d10	14.74	188	285415	20.00	ng		-0.03
75) Chrysene-d12	18.46	240	228490	20.00	ng		-0.02
86) Perylene-d12	20.15	264	186781	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	48830	9.06	ng		0.07
7) Phenol-d6	7.11	99	84288	11.57	ng		0.03
23) Nitrobenzene-d5	8.46	82	63149	7.92	ng		0.01
41) 2,4,6-Tribromophenol	13.66	330	16240	9.67	ng		-0.02
44) 2-Fluorobiphenyl	11.28	172	135437	10.92	ng		-0.06
78) Terphenyl-d14	17.09	244	95236	8.86	ng		-0.05
Target Compounds							Qvalue
48) Acenaphthylene	12.11	152	76611	4.30	ng		98
70) Phenanthrene	14.79	178	122967	7.78	ng		98
71) Anthracene	14.89	178	63646	3.99	ng		97
74) Fluoranthene	16.55	202	418017	26.37	ng		94
77) Pyrene	16.86	202	335136	20.38	ng		98
79) Butylbenzylphthalate	17.75	149	22884	3.14	ng	#	83
80) Benzo(a)anthracene	18.45	228	229128	17.63	ng		99
82) Chrysene	18.49	228	211635	16.41	ng		98
85) Indeno(1,2,3-cd)pyrene	21.44	276	88477m	8.56	ng		
87) Benzo(b)fluoranthene	19.74	252	294070m	24.72	ng		
88) Benzo(k)fluoranthene	19.77	252	106182m	10.37	ng		
89) Benzo(a)pyrene	20.09	252	159399	15.49	ng		95
90) Dibenzo(a,h)anthracene	21.42	278	25214	2.87	ng		94
91) Benzo(g,h,i)perylene	21.81	276	67577	7.80	ng	#	90

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

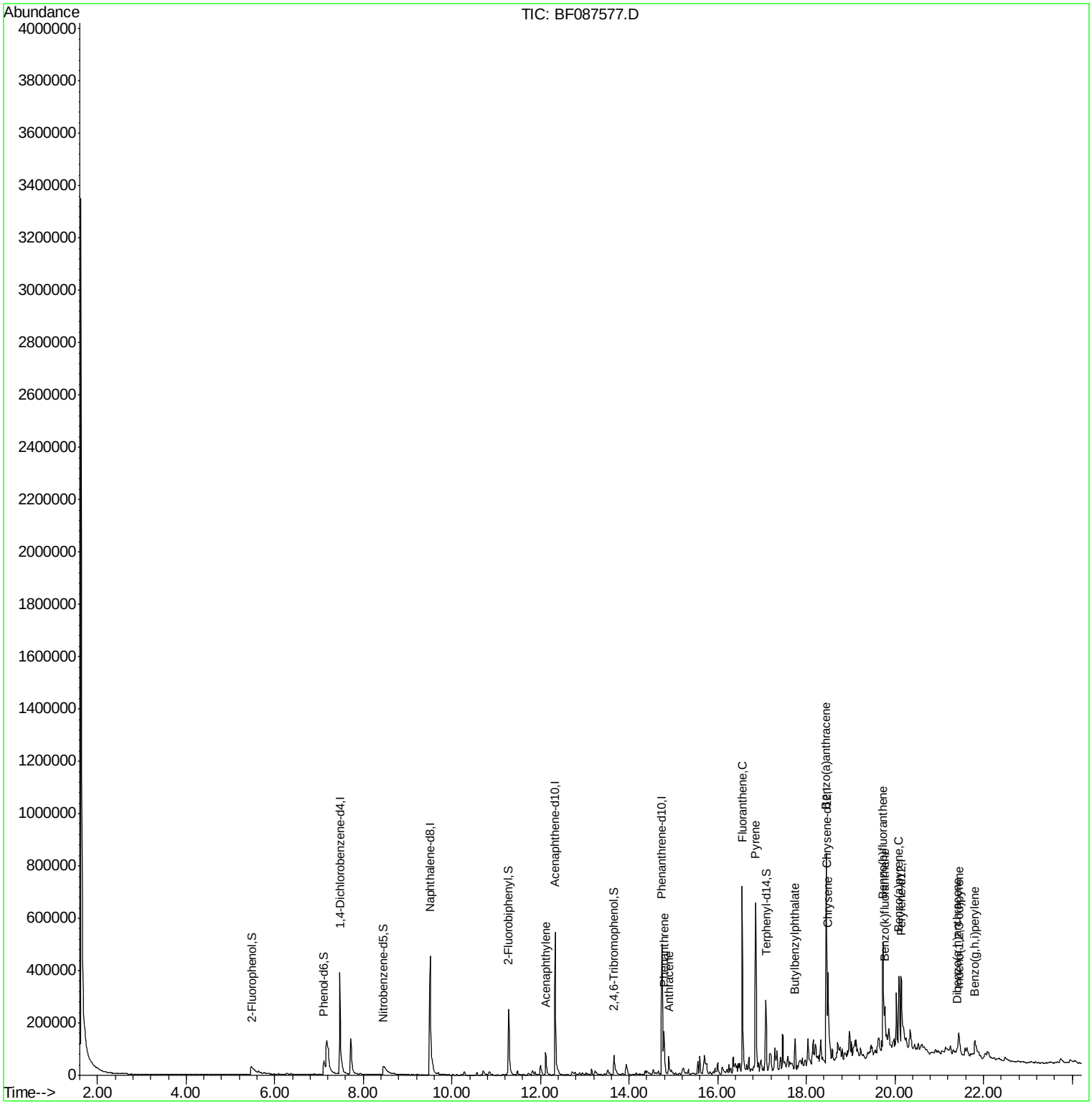
Quantitation Report (QT Reviewed)

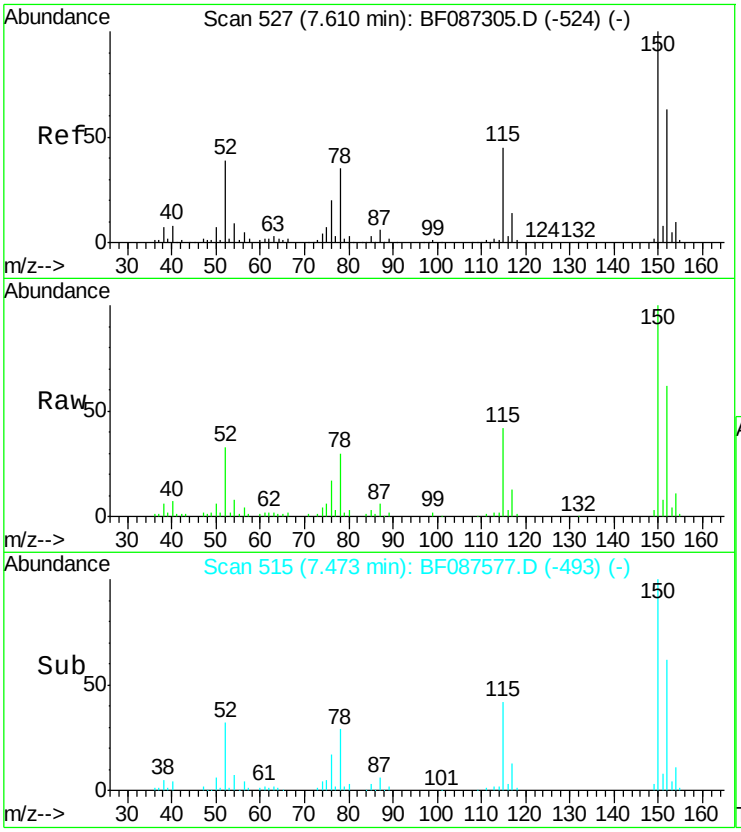
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
Data File : BF087577.D
Acq On : 31 May 2016 6:45
Operator : UM/SJ
Sample : H3211-10DL 10X
Misc :
ALS Vial : 95 Sample Multiplier: 1

Quant Time: May 31 07:35:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

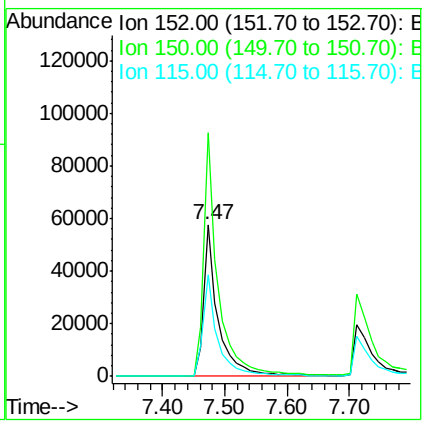




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.47 min Scan# 515
Delta R.T. -0.05 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

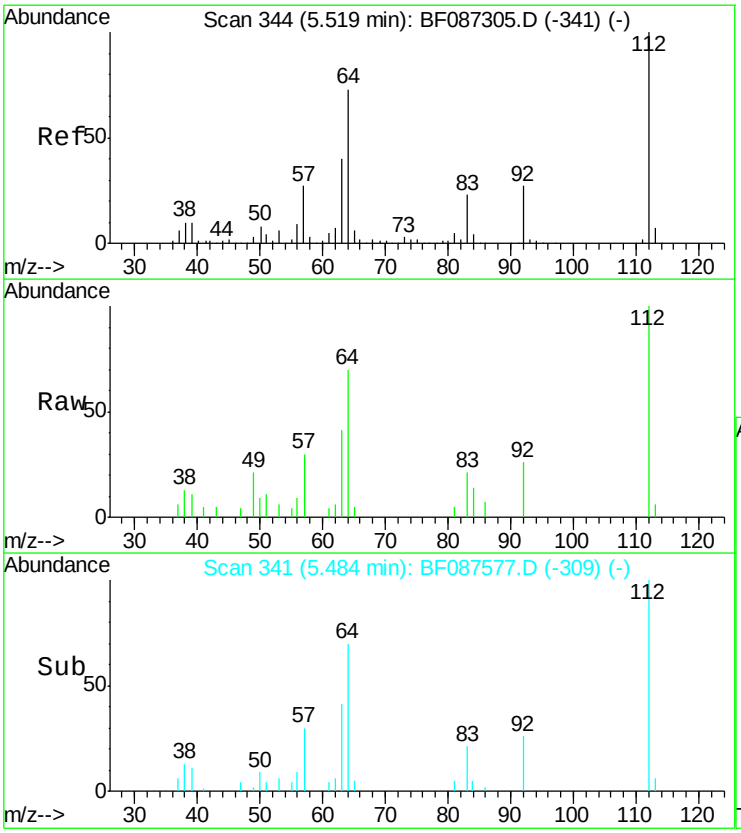
Tgt Ion:152 Resp: 94699

Ion	Ratio	Lower	Upper
152	100		
150	160.6	125.8	188.6
115	66.7	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

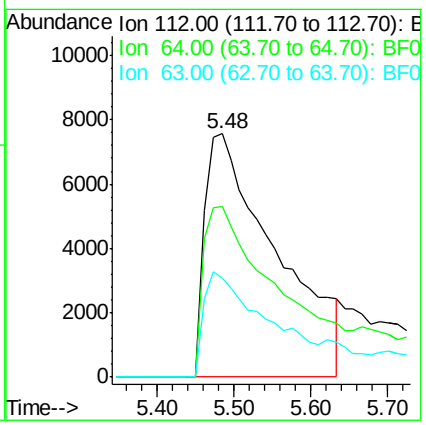
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

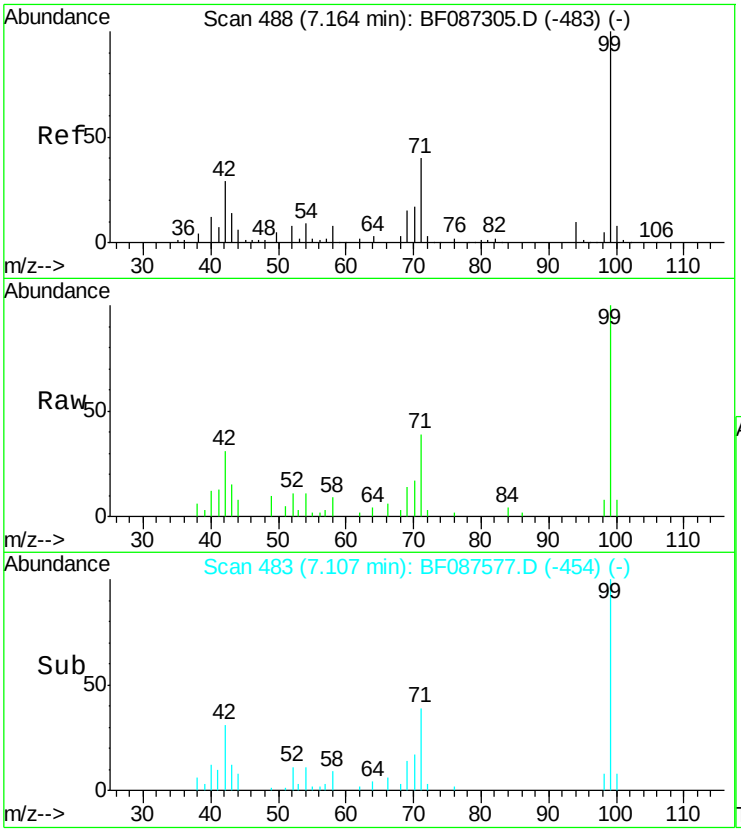


#5
2-Fluorophenol
Concen: 9.06 ng
RT: 5.48 min Scan# 341
Delta R.T. 0.07 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:112 Resp: 48830

Ion	Ratio	Lower	Upper
112	100		
64	70.1	52.1	78.1
63	40.6	25.7	38.5#

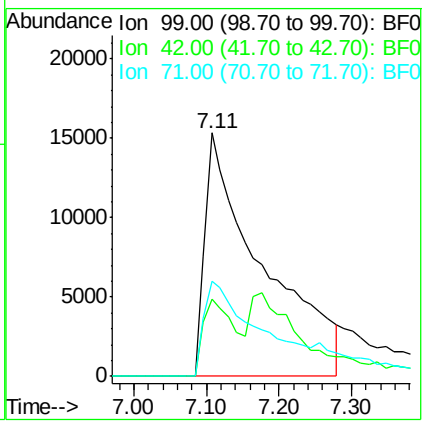




#7
Phenol-d6
Concen: 11.57 ng
RT: 7.11 min Scan# 483
Delta R.T. 0.03 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

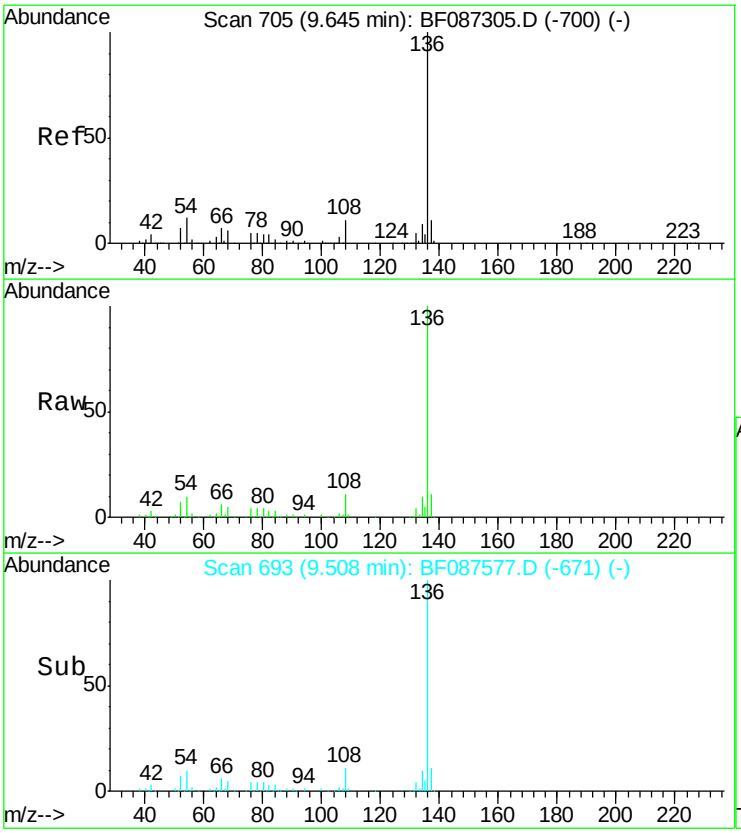
Tgt Ion: 99 Resp: 84288

Ion	Ratio	Lower	Upper
99	100		
42	31.5	13.6	20.4#
71	39.2	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

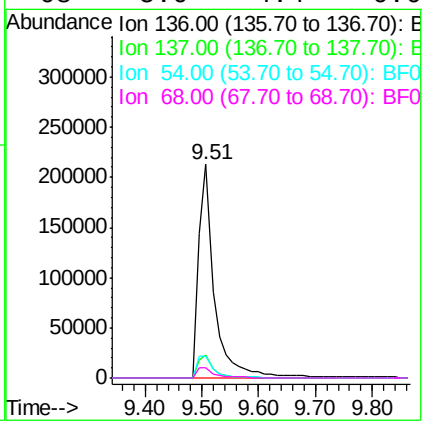
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

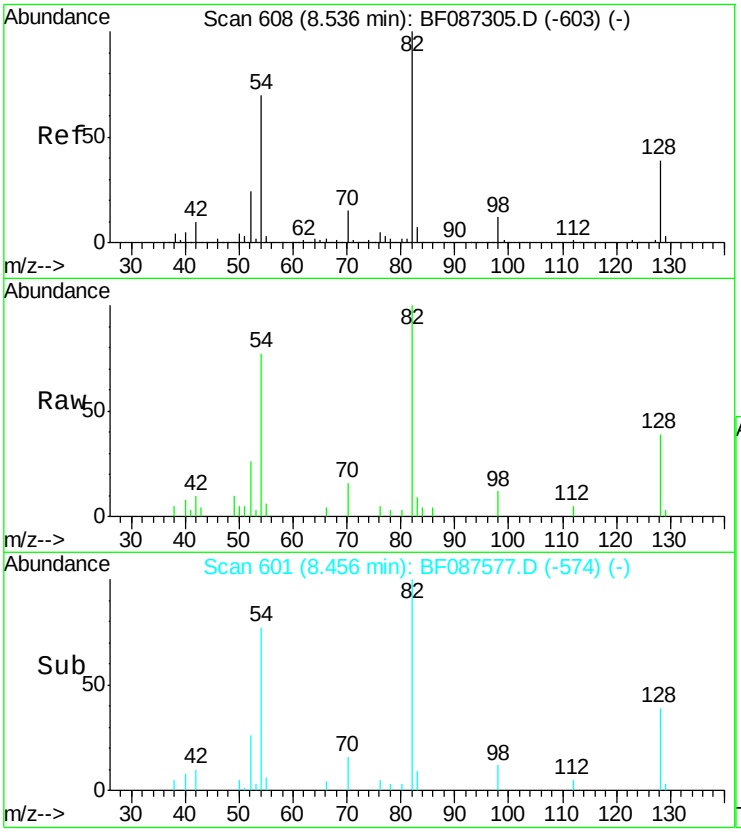


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:136 Resp: 402023

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.9	5.0	7.4#
68	5.0	4.4	6.6

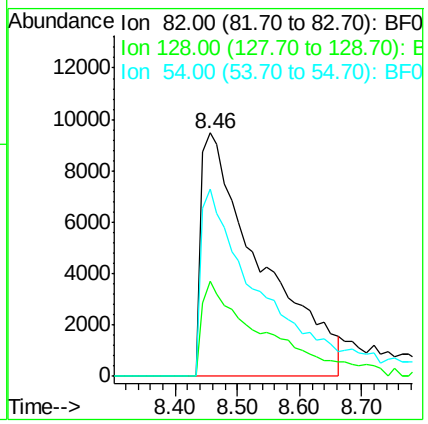




#23
Nitrobenzene-d5
Concen: 7.92 ng
RT: 8.46 min Scan# 601
Delta R.T. 0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

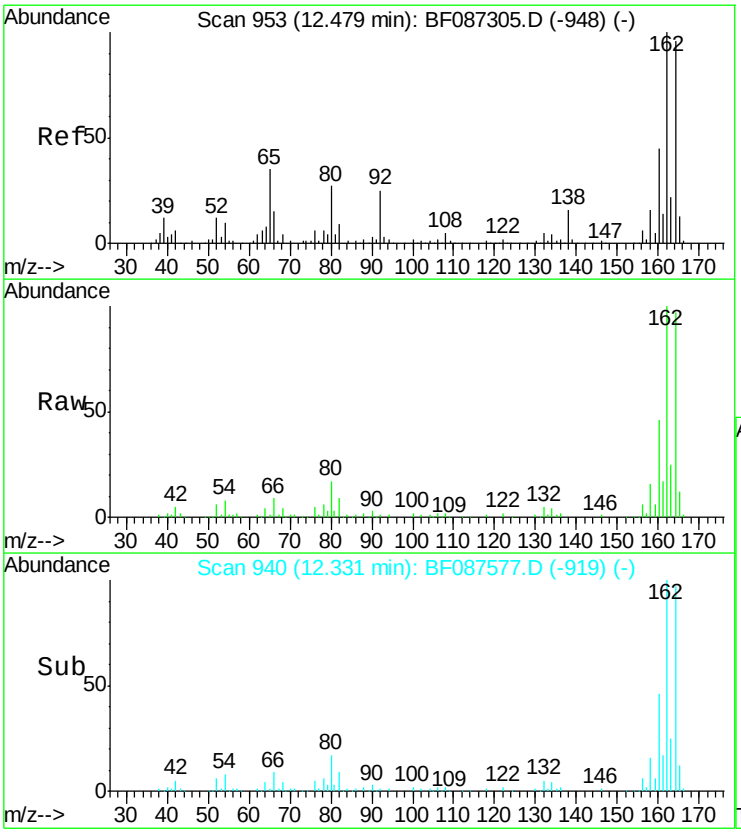
Tgt Ion: 82 Resp: 63149

Ion	Ratio	Lower	Upper
82	100		
128	38.9	40.6	61.0#
54	76.9	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

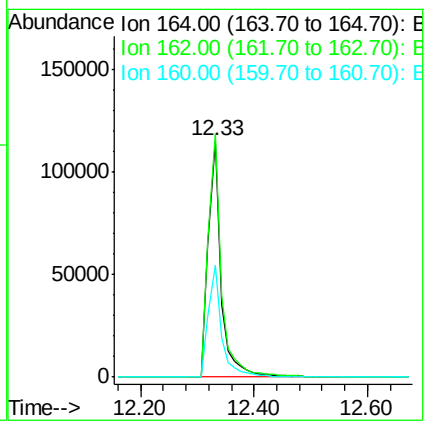
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

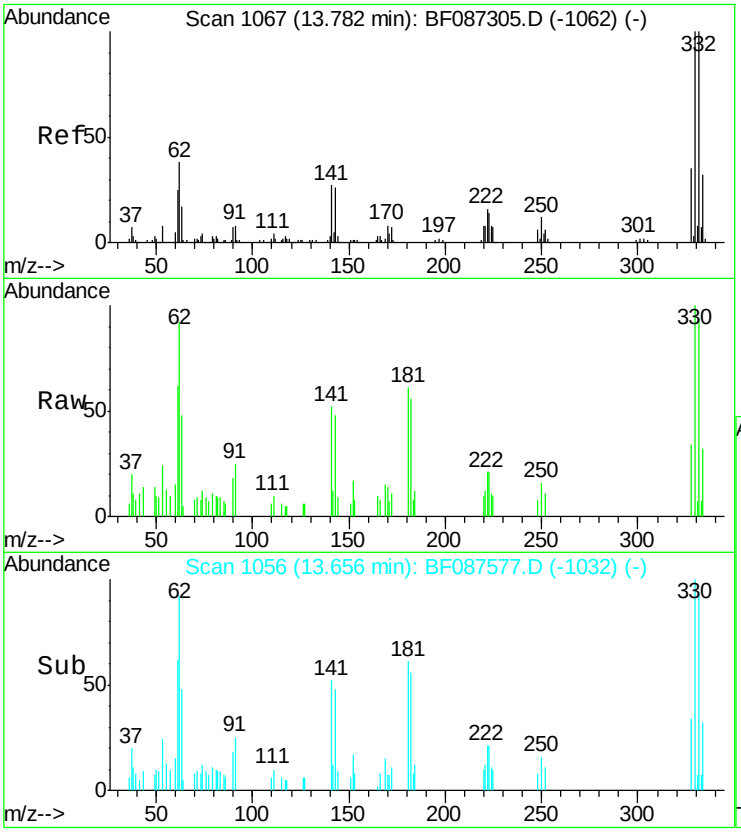


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.06 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:164 Resp: 174811

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.8	124.2
160	47.4	36.9	55.3

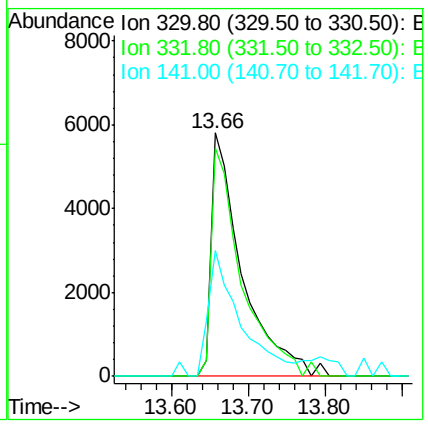




#41
2,4,6-Tribromophenol
Concen: 9.67 ng
RT: 13.66 min Scan# 1056
Delta R.T. -0.02 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

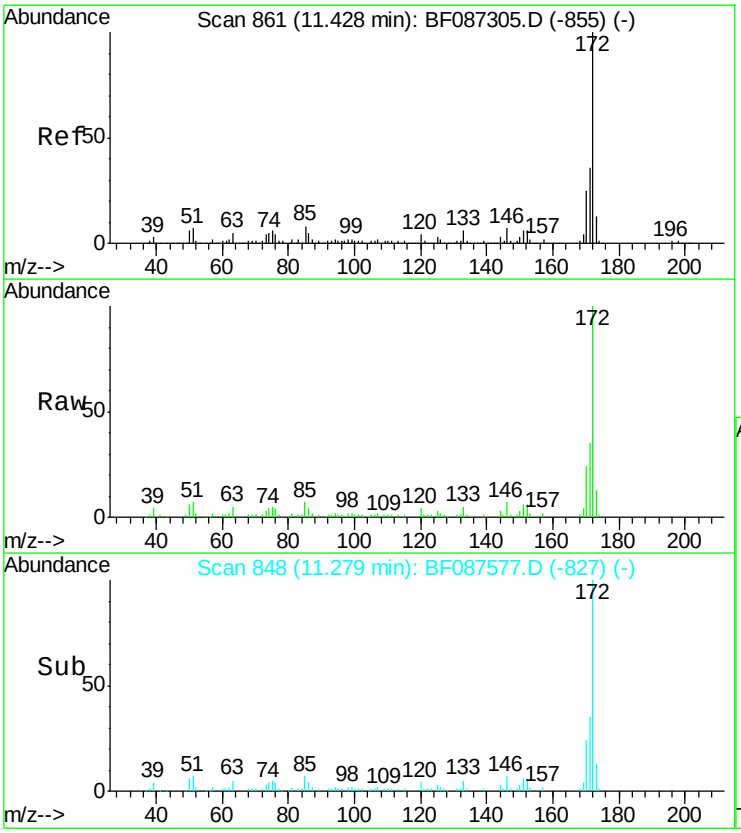
Tgt Ion:330 Resp: 16240

Ion	Ratio	Lower	Upper
330	100		
332	92.7	79.0	118.4
141	55.6	31.2	46.8#



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

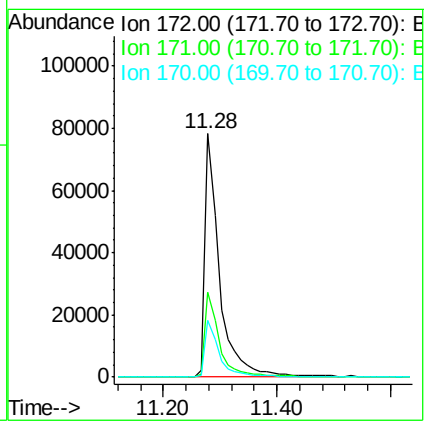
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

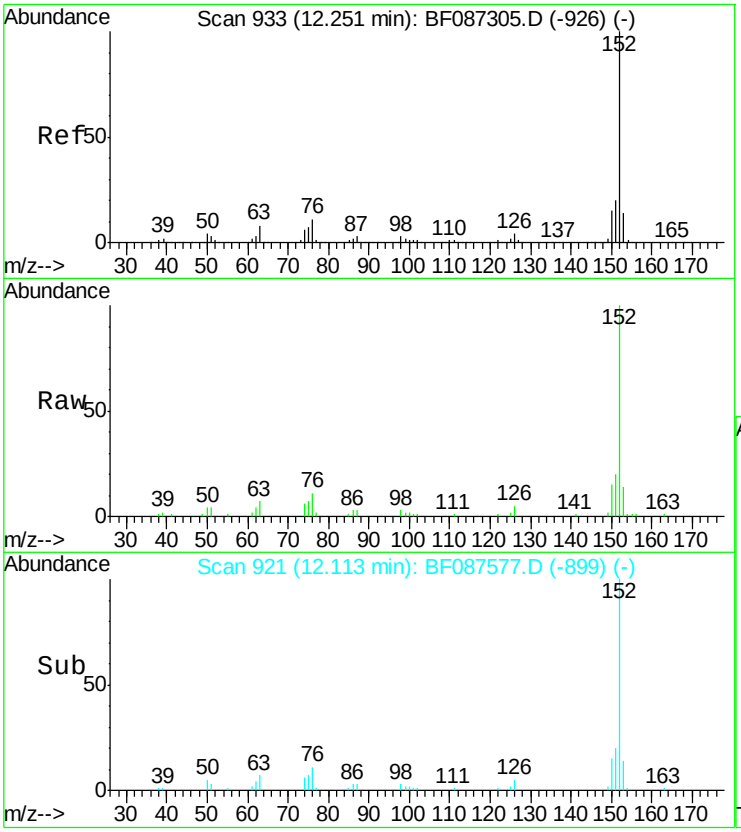


#44
2-Fluorobiphenyl
Concen: 10.92 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.06 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:172 Resp: 135437

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.6
170	23.5	19.8	29.8

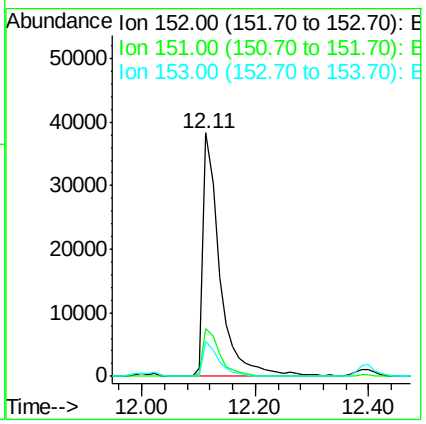




#48
Acenaphthylene
Concen: 4.30 ng
RT: 12.11 min Scan# 921
Delta R.T. -0.05 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

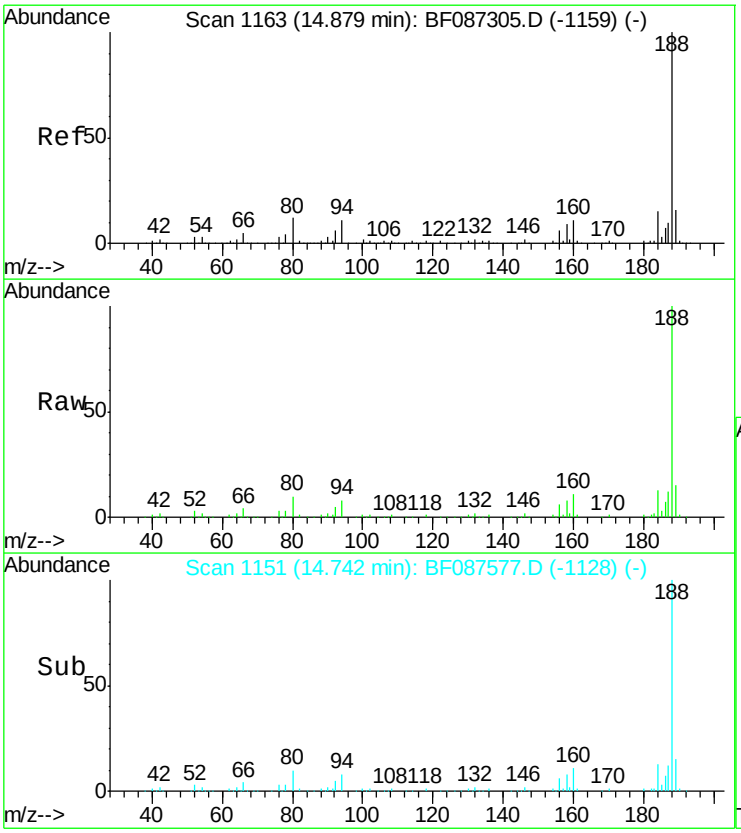
Tgt Ion:152 Resp: 76611

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	14.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

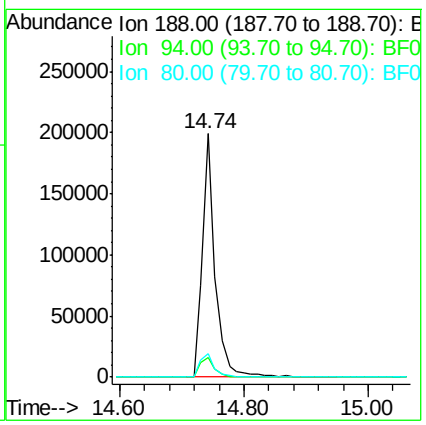
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

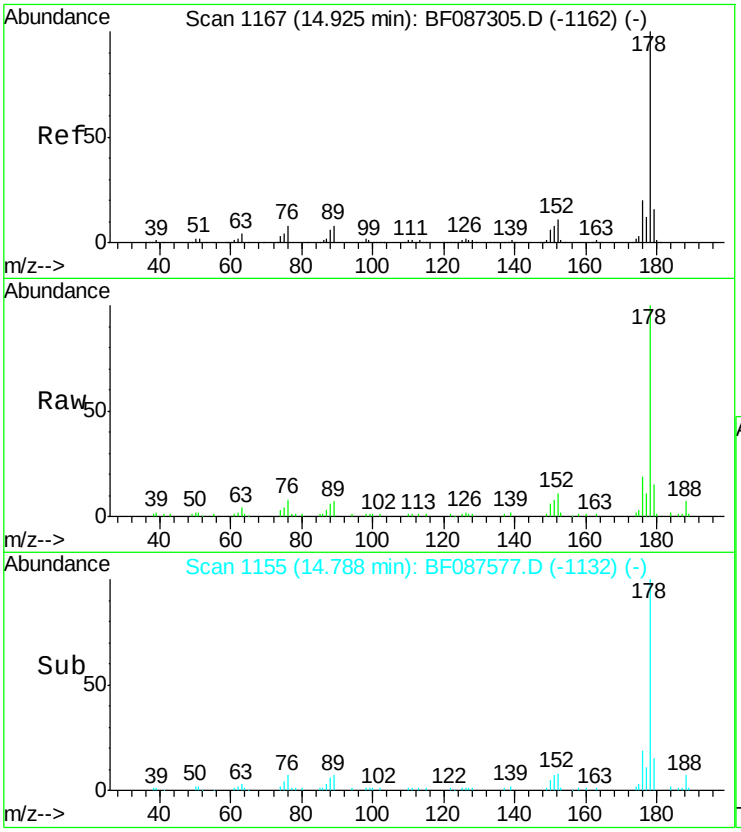


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:188 Resp: 285415

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	9.7	7.1	10.7

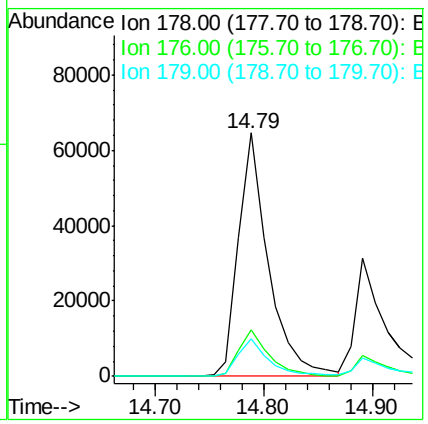




#70
Phenanthrene
Concen: 7.78 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.03 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

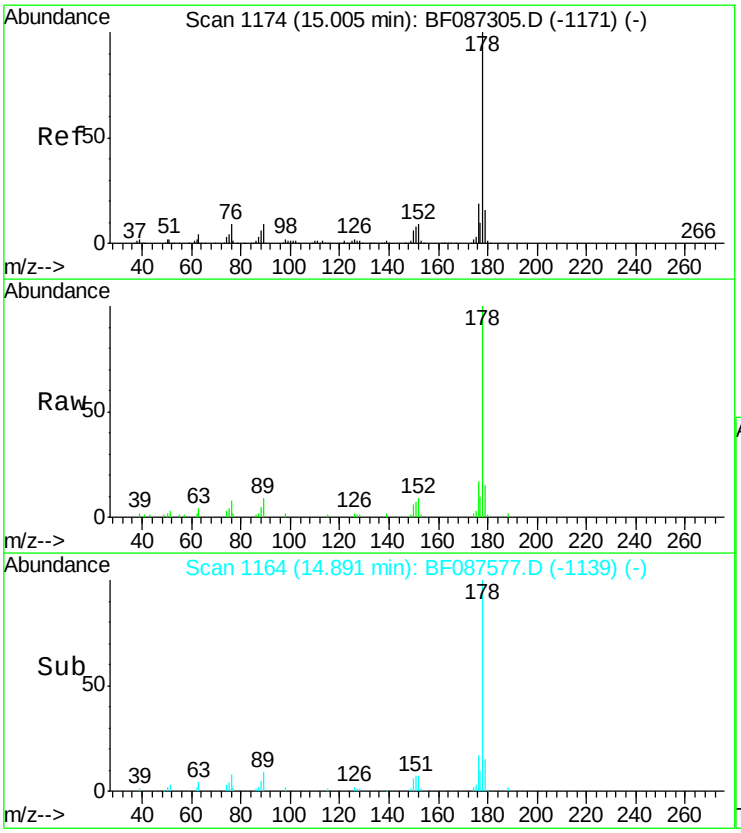
Tgt Ion:178 Resp: 122967

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.0	24.0
179	15.2	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

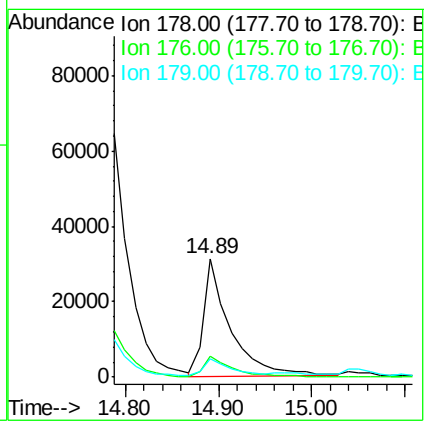
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

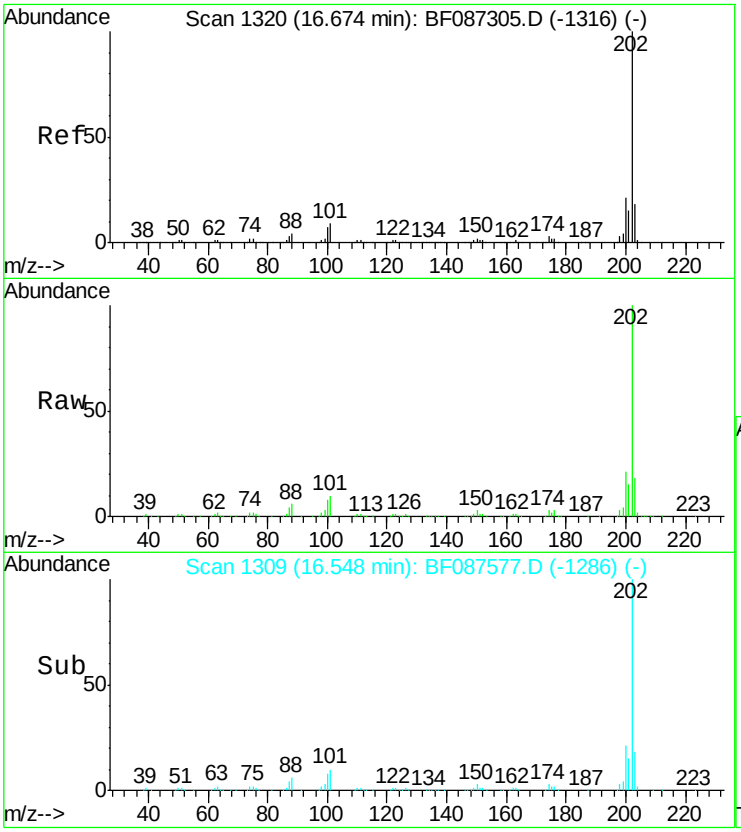


#71
Anthracene
Concen: 3.99 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:178 Resp: 63646

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.6	23.4
179	15.4	12.7	19.1

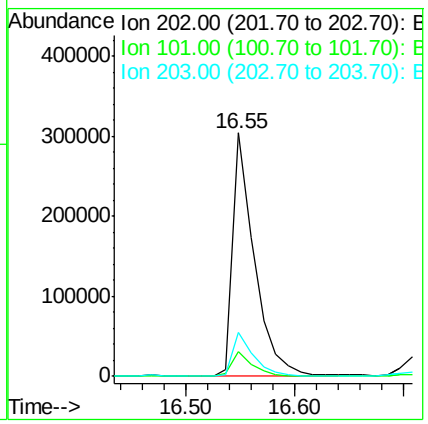




#74
Fluoranthene
Concen: 26.37 ng
RT: 16.55 min Scan# 1309
Delta R.T. -0.03 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

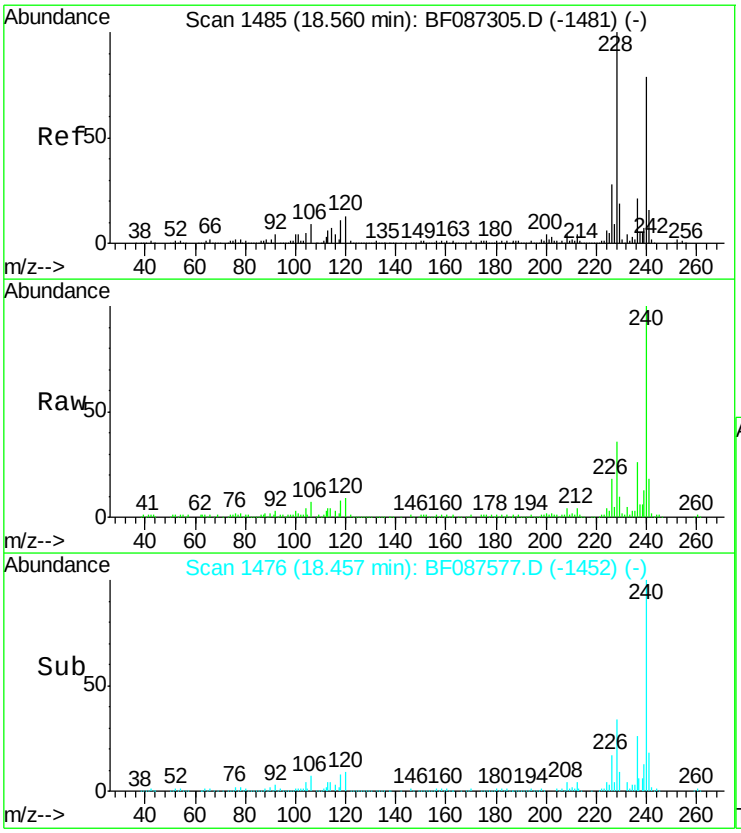
Tgt Ion:202 Resp: 418017

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	35.4
203	17.9	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

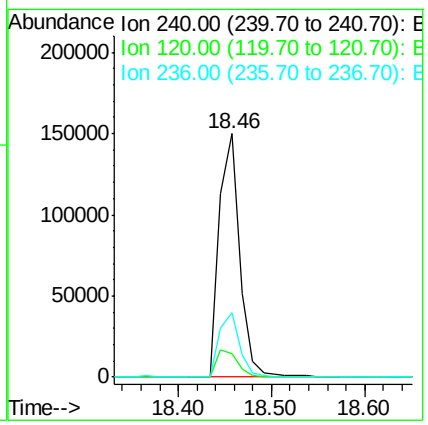
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

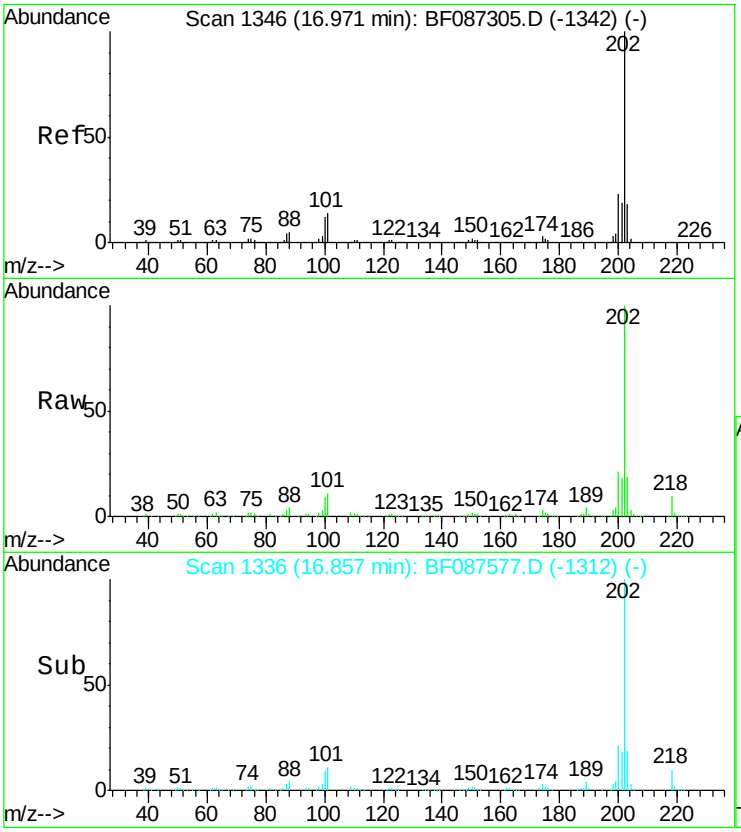


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.46 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:240 Resp: 228490

Ion	Ratio	Lower	Upper
240	100		
120	9.5	11.2	16.8#
236	26.4	21.2	31.8

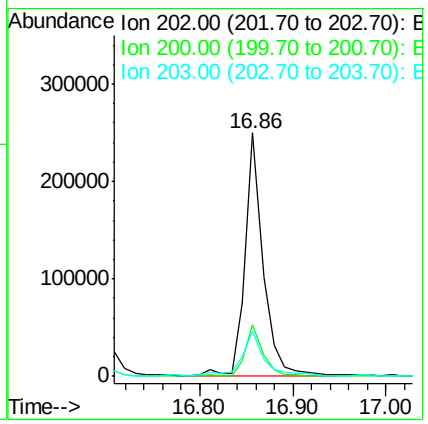




#77
Pyrene
Concen: 20.38 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

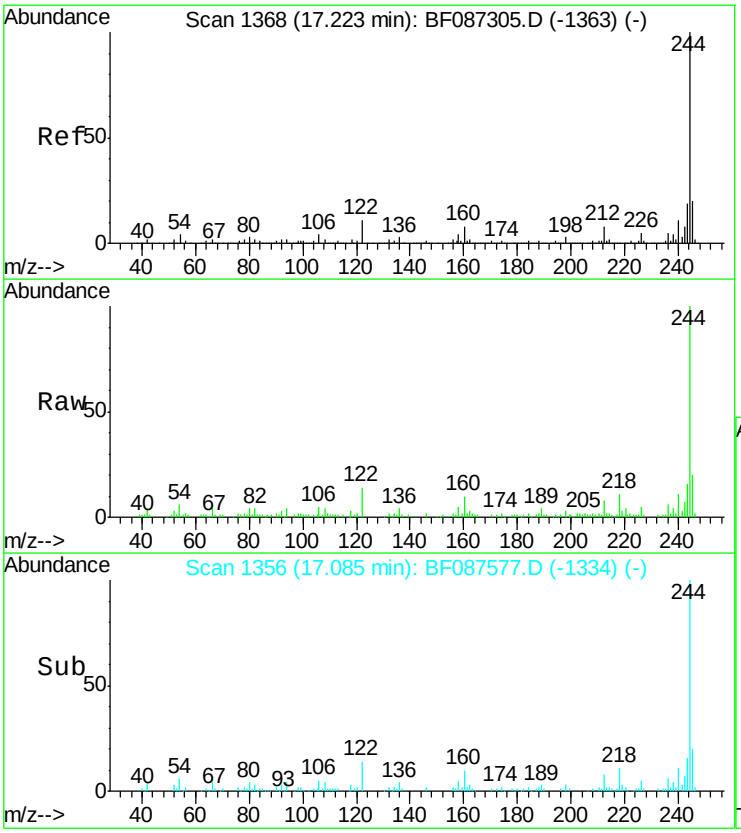
Tgt Ion:202 Resp: 335136

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.8	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

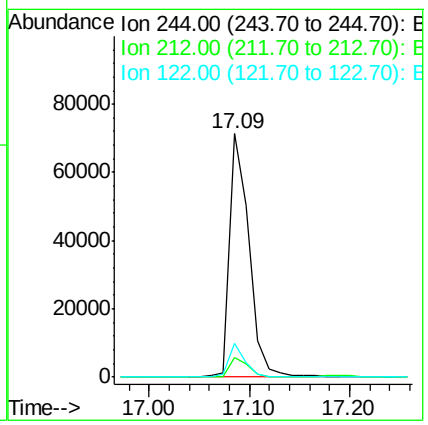
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

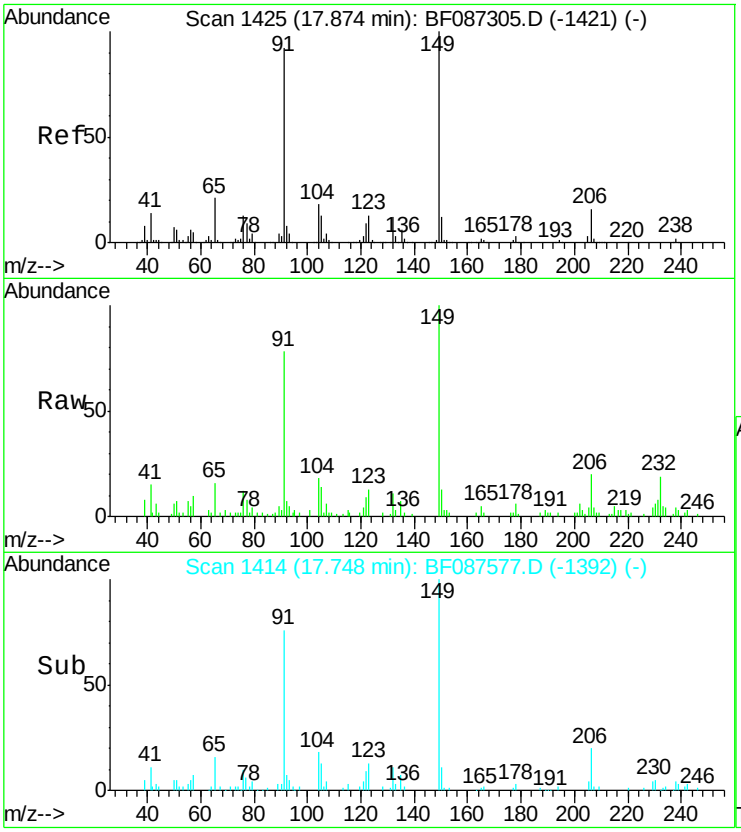


#78
Terphenyl-d14
Concen: 8.86 ng
RT: 17.09 min Scan# 1356
Delta R.T. -0.05 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:244 Resp: 95236

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	13.8	12.0	18.0

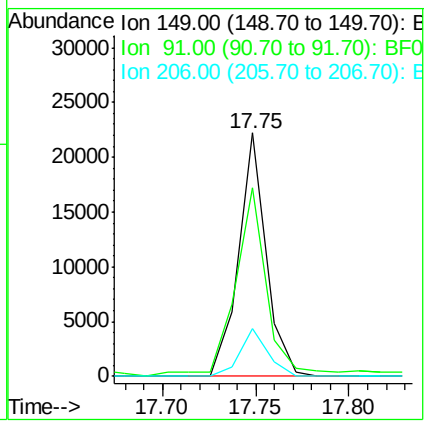




#79
Butylbenzylphthalate
Concen: 3.14 ng
RT: 17.75 min Scan# 1414
Delta R.T. -0.05 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

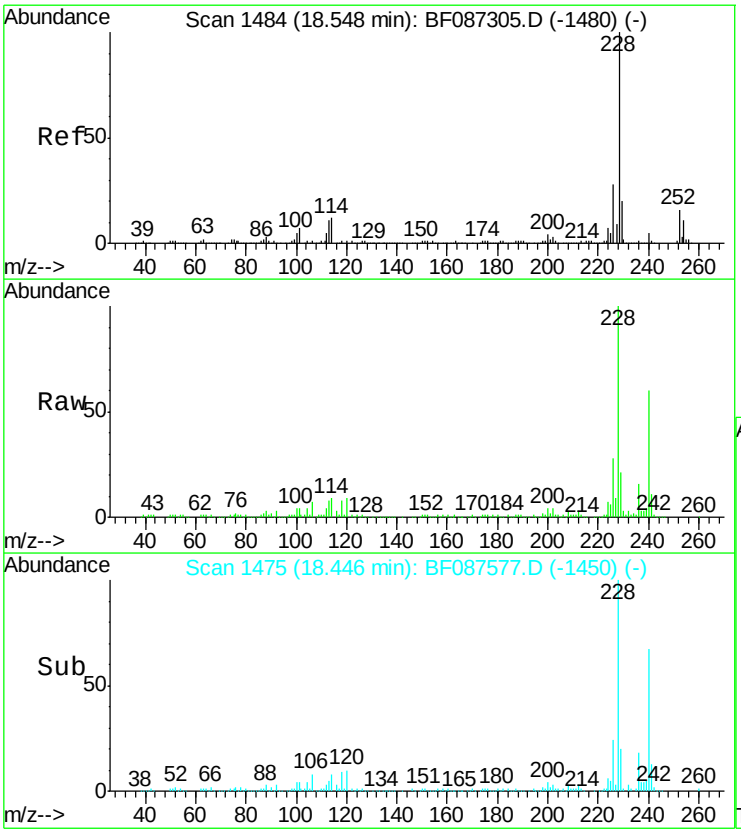
Tgt Ion:149 Resp: 22884

Ion	Ratio	Lower	Upper
149	100		
91	77.5	48.0	72.0#
206	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

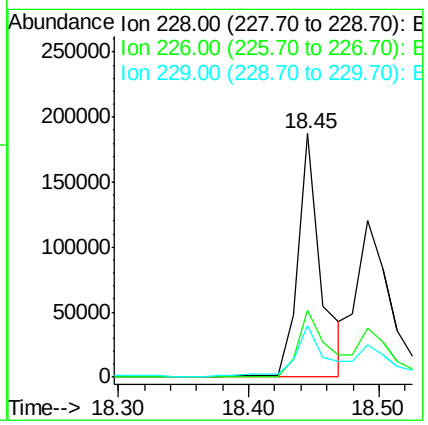
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

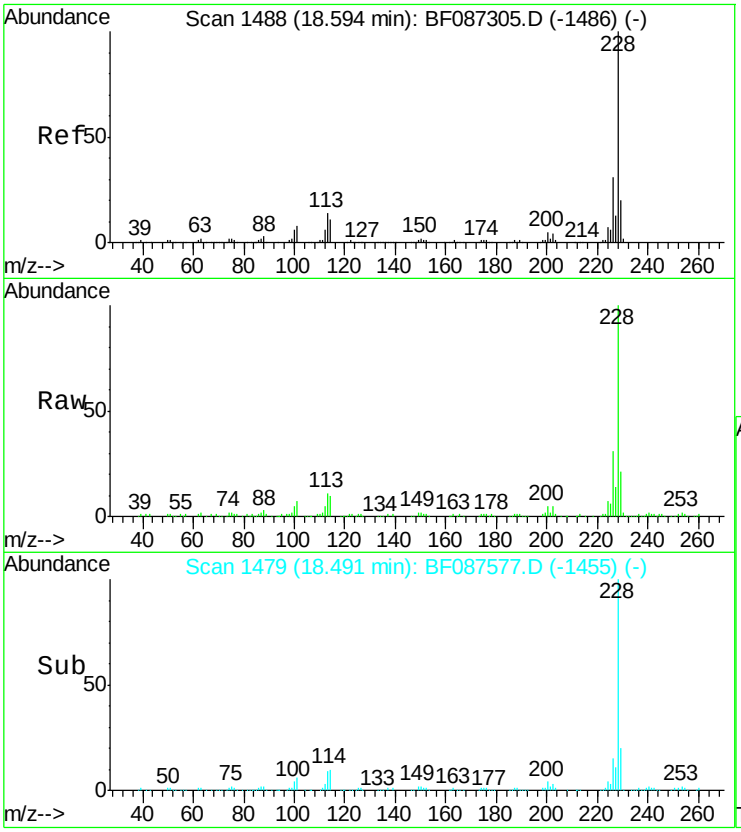


#80
Benzo(a)anthracene
Concen: 17.63 ng
RT: 18.45 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:228 Resp: 229128

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	21.0	16.6	25.0

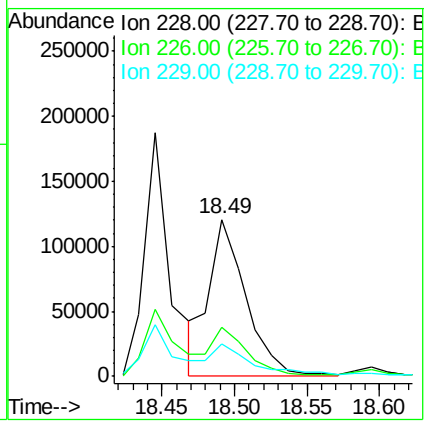




#82
Chrysene
Concen: 16.41 ng
RT: 18.49 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

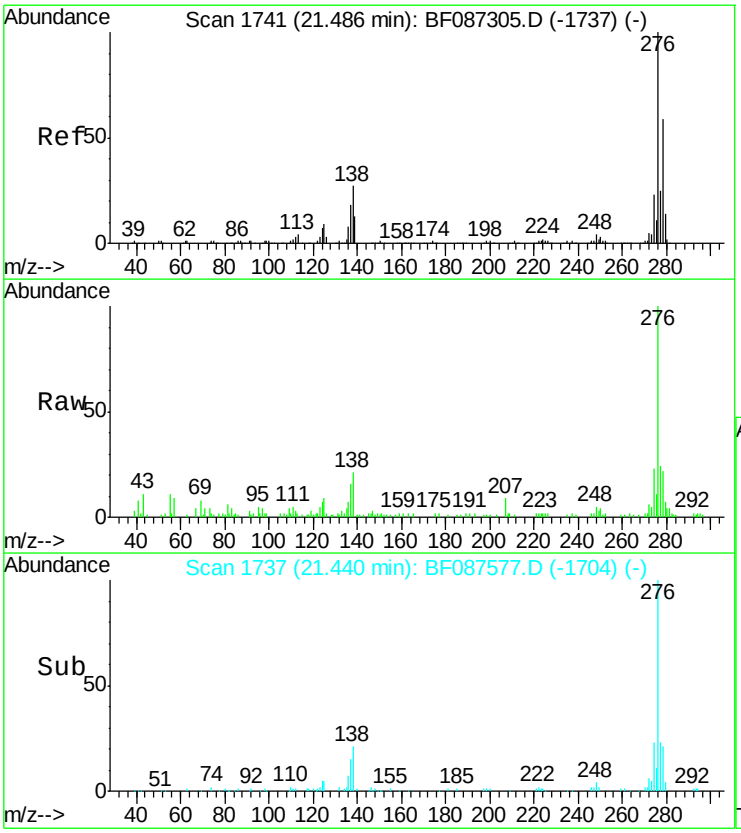
Tgt Ion:228 Resp: 211635

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	21.0	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

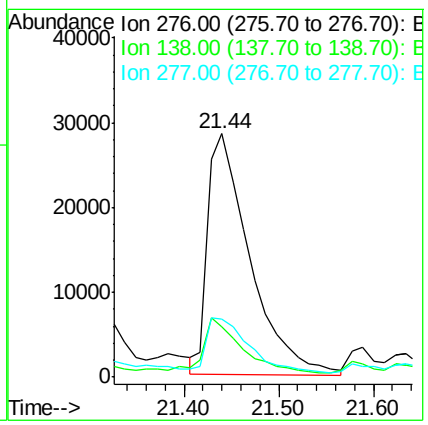
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

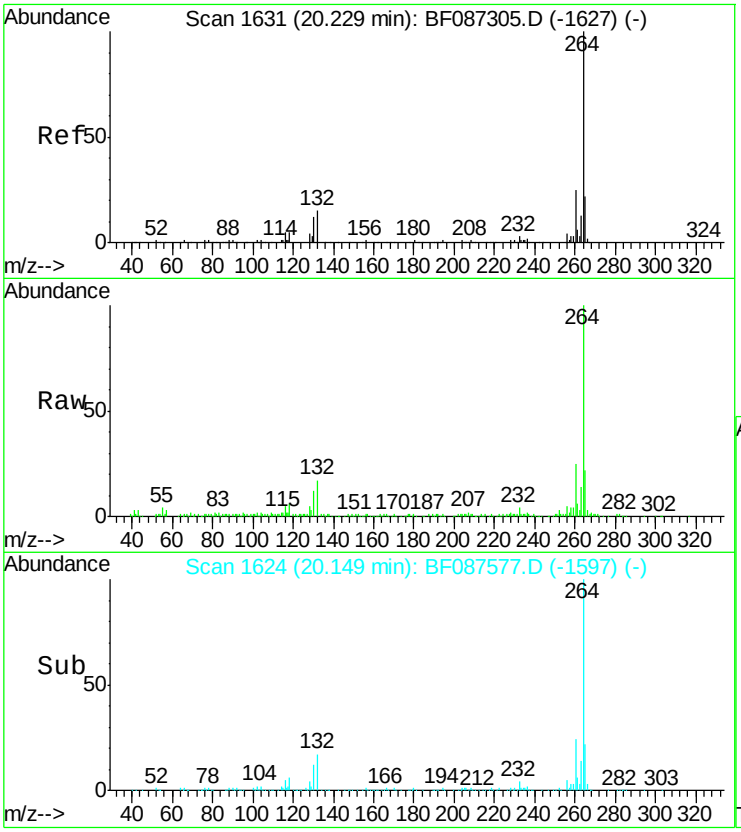


#85
Indeno(1,2,3-cd)pyrene
Concen: 8.56 ng m
RT: 21.44 min Scan# 1737
Delta R.T. 0.08 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:276 Resp: 88477

Ion	Ratio	Lower	Upper
276	100		
138	2.4	25.6	38.4#
277	7.8	20.5	30.7#

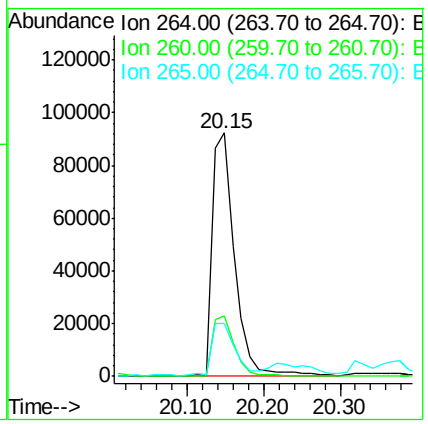




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.15 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

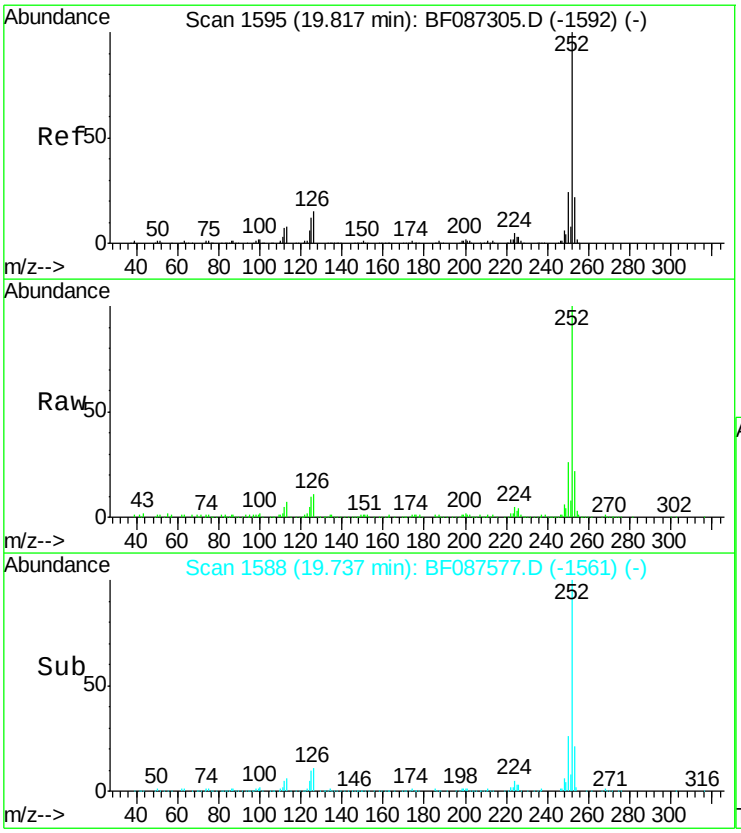
Tgt Ion:264 Resp: 186781

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.5	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

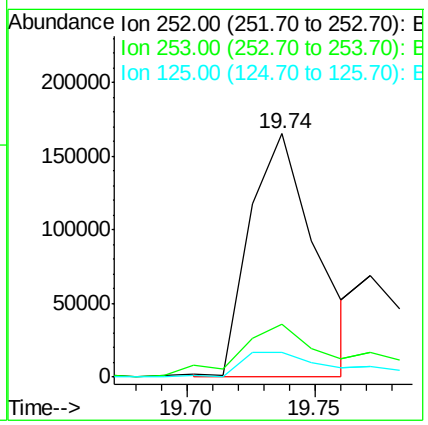
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

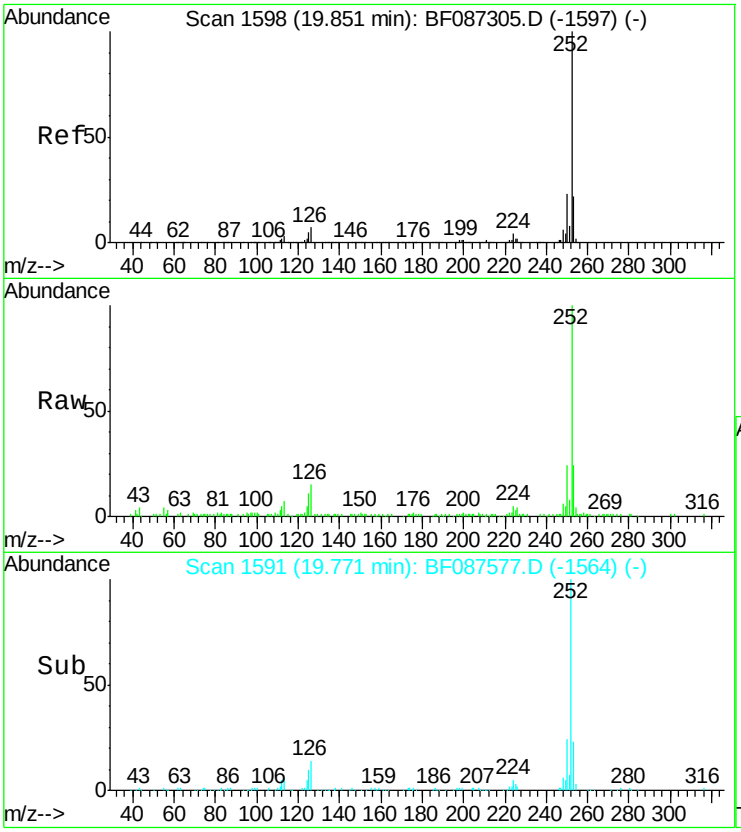


#87
Benzo(b)fluoranthene
Concen: 24.72 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:252 Resp: 294070

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.4	11.4	17.0#

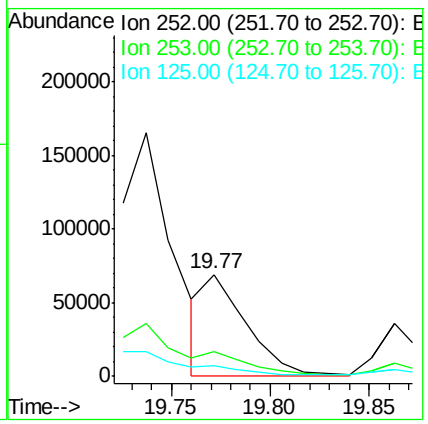




#88
Benzo(k)fluoranthene
Concen: 10.37 ng m
RT: 19.77 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

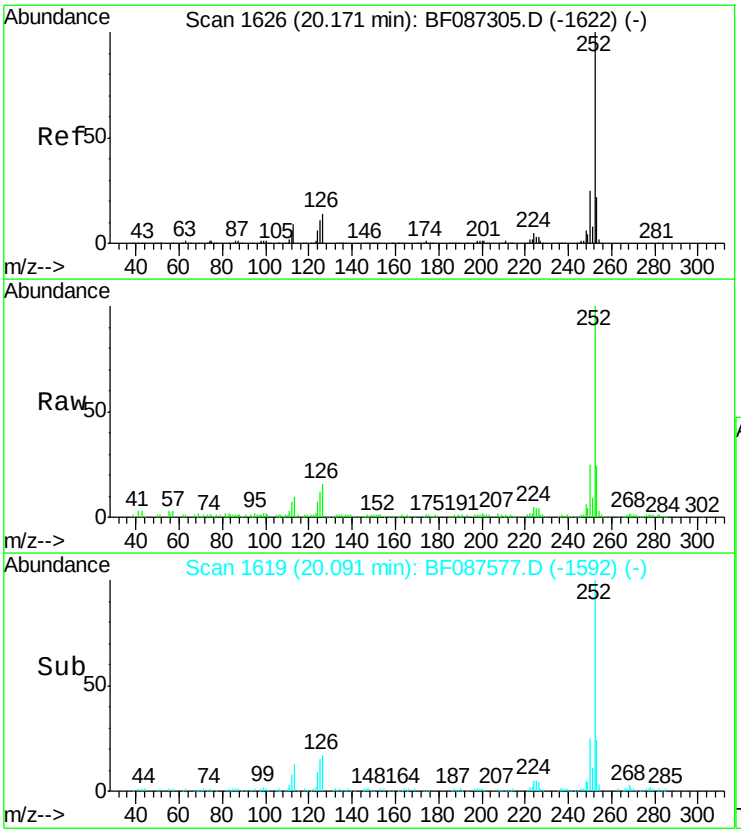
Tgt Ion:252 Resp: 106182

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	10.7	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

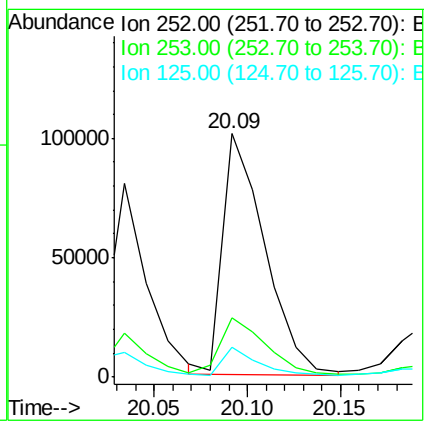
Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM

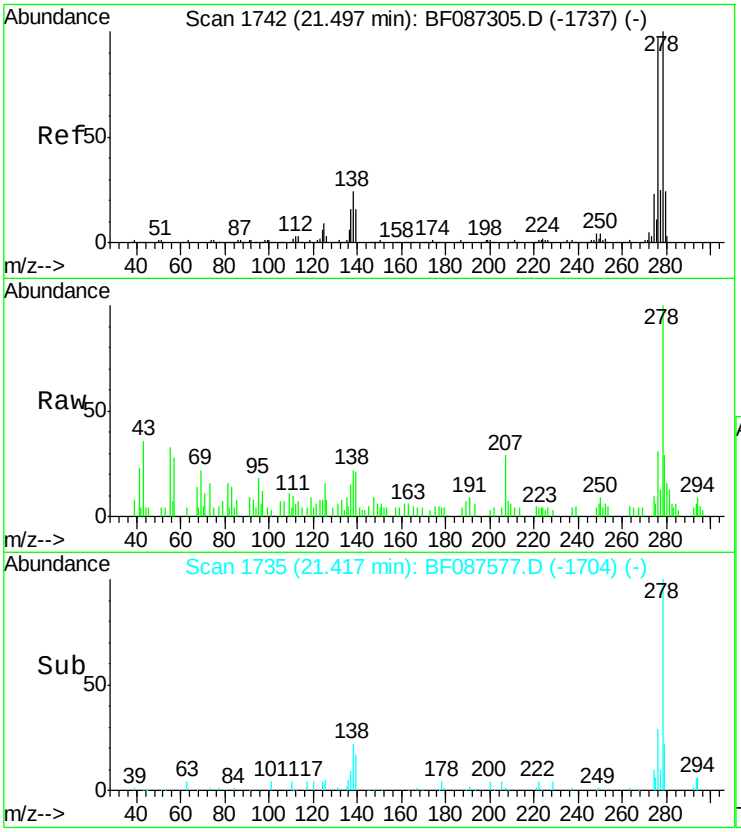


#89
Benzo(a)pyrene
Concen: 15.49 ng
RT: 20.09 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:252 Resp: 159399

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	12.5	9.0	13.6





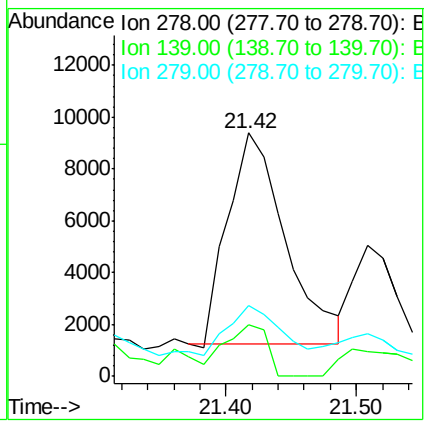
#90
Dibenzo(a,h)anthracene
Concen: 2.87 ng
RT: 21.42 min Scan# 1735
Delta R.T. 0.06 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

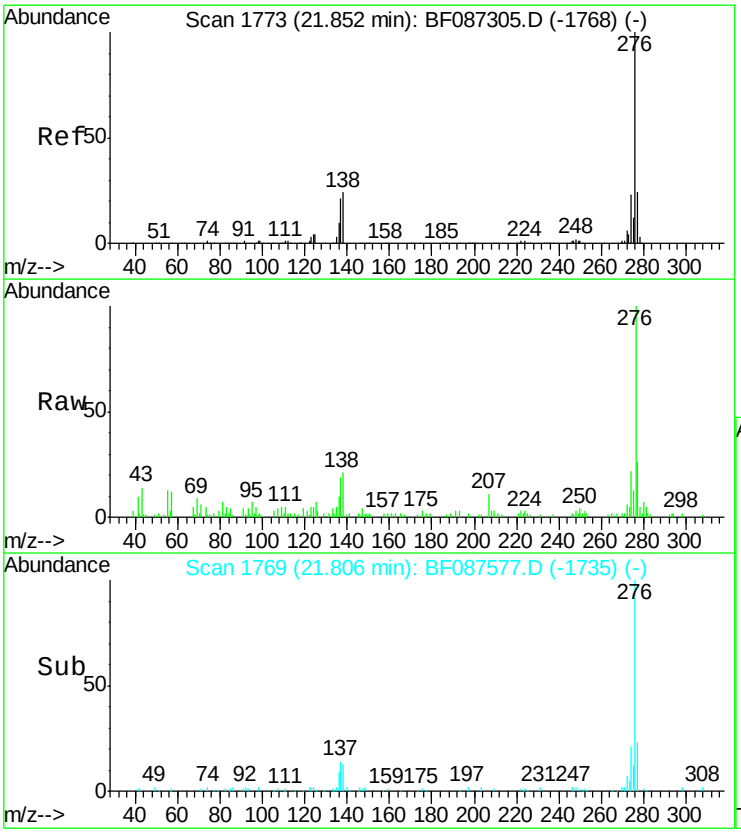
Tgt Ion:278 Resp: 25214

Ion	Ratio	Lower	Upper
278	100		
139	21.3	16.6	24.8
279	29.2	19.6	29.4

Instrument :
BNA_F
ClientSampleId :
TA-1320-(0-4)DL

Manual Integrations APPROVED
umangi
5/31/2016 7:41:04 PM





#91
Benzo(g,h,i)perylene
Concen: 7.80 ng
RT: 21.81 min Scan# 1769
Delta R.T. 0.09 min
Lab File: BF087577.D
Acq: 31 May 2016 6:45

Tgt Ion:276 Resp: 67577

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.6	29.4
138	20.6	23.6	35.4#