Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
Data File : BF088493.D
Acq On : 28 Jun 2016 22:04
Operator : UM/SJ
Sample : H3624-05DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

Quant Time: Jun 29 03:31:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 28 05:25:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	115409	20.00	ng	-0.03
21) Naphthalene-d8	7.80	136	458191	20.00	ng	-0.03
38) Acenaphthene-d10	9.55	164	211754	20.00	ng	-0.03
63) Phenanthrene-d10	11.03	188	353091	20.00	ng	-0.03
75) Chrysene-d12	13.67	240	212250	20.00	ng	-0.02
86) Perylene-d12	15.02	264	214812	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	313480	46.44	ng	-0.03
7) Phenol-d6	6.18	99	436316	53.33	ng	-0.05
23) Nitrobenzene-d5	7.10	82	247964	31.60	ng	-0.03
41) 2,4,6-Tribromophenol	10.34	330	87978	39.35	ng	-0.03
44) 2-Fluorobiphenyl	8.89	172	541288	37.03	ng	-0.03
78) Terphenyl-d14	12.62	244	350952	37.63	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	9.42	152	182369	8.37	ng	99
49) Dimethylphthalate	9.29	163	80085	5.22	ng	99
70) Phenanthrene	11.05	178	305324	16.48	ng	98
71) Anthracene	11.11	178	193583	10.36	ng	98
72) Carbazole	11.28	167	43340	2.48	ng	96
74) Fluoranthene	12.24	202	1101464	56.33	ng	98
77) Pyrene	12.47	202	1119927	71.10	ng	99
80) Benzo(a)anthracene	13.66	228	590736m	48.84	ng	
82) Chrysene	13.69	228	623200m	54.77	ng	
85) Indeno(1,2,3-cd)pyrene	16.24	276	302496	28.61	ng	# 100
87) Benzo(b)fluoranthene	14.66	252	717638m	47.93	ng	
88) Benzo(k)fluoranthene	14.67	252	314659m	27.86	ng	
89) Benzo(a)pyrene	14.97	252	483663m	39.93	ng	
90) Dibenzo(a,h)anthracene	16.24	278	68583m	6.10	ng	
91) Benzo(g,h,i)perylene	16.61	276	248215	21.45	ng	99

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

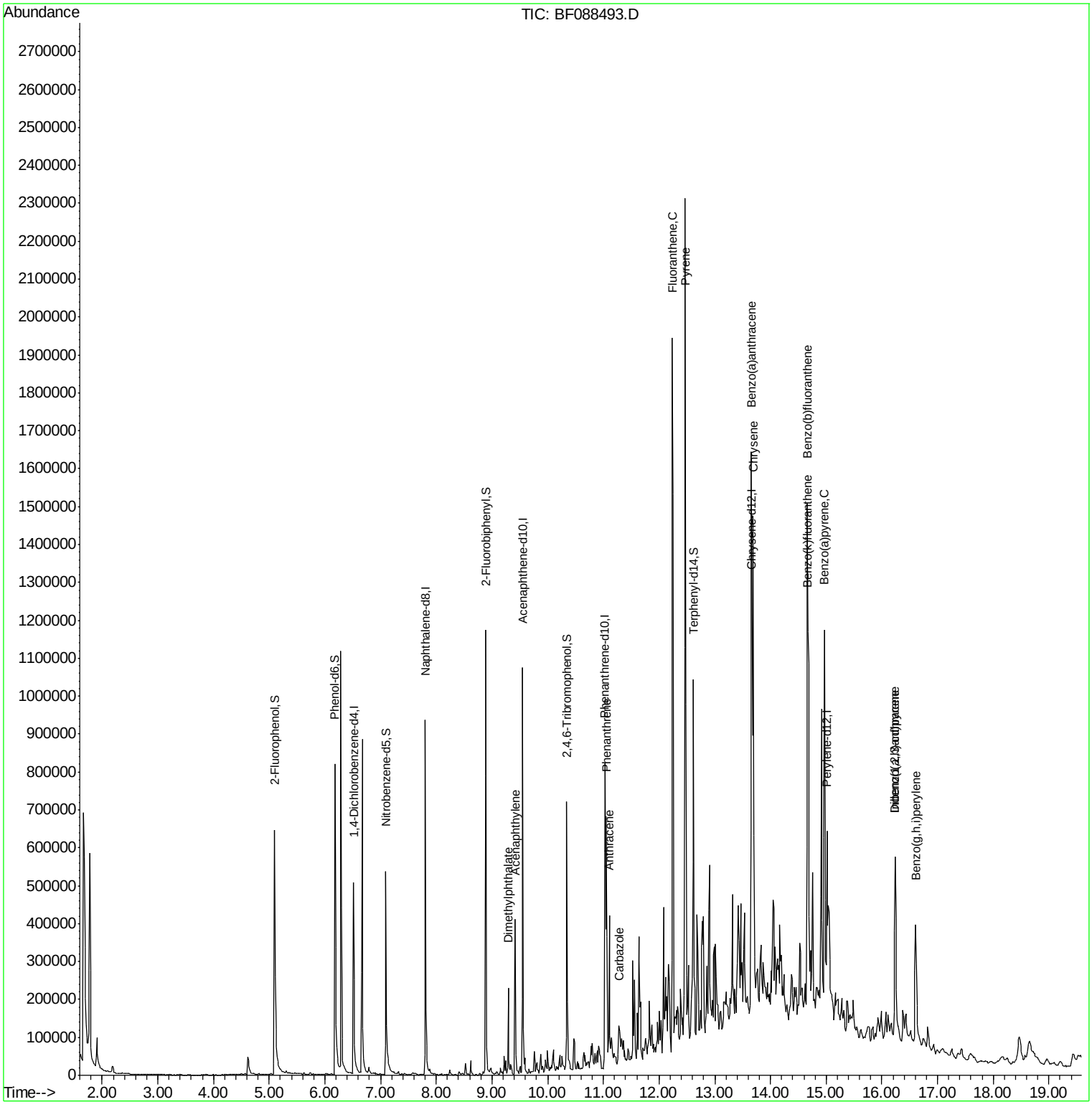
Quantitation Report (QT Reviewed)

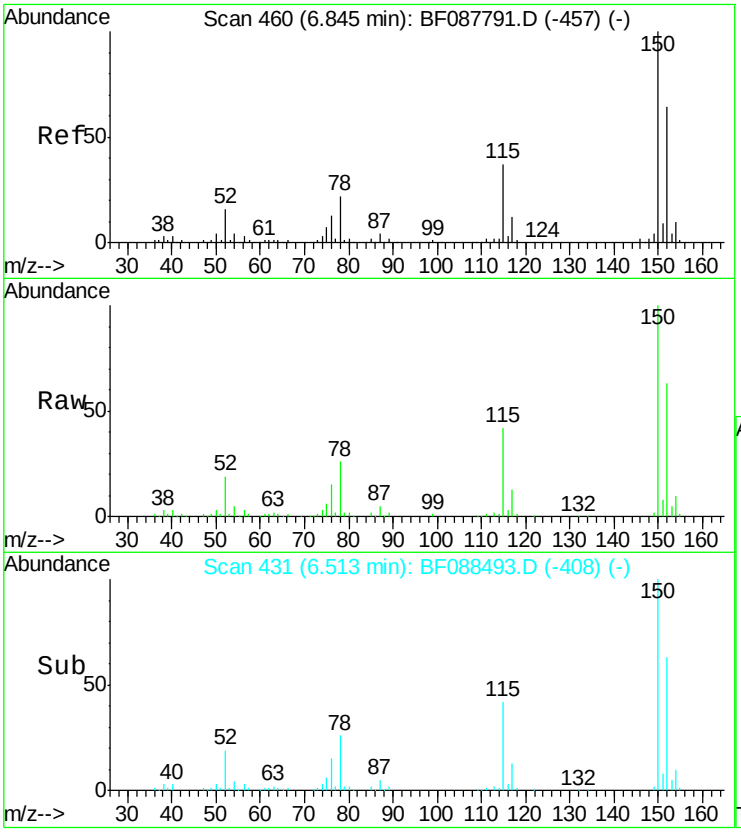
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
Data File : BF088493.D
Acq On : 28 Jun 2016 22:04
Operator : UM/SJ
Sample : H3624-05DL 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 29 03:31:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 28 05:25:55 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

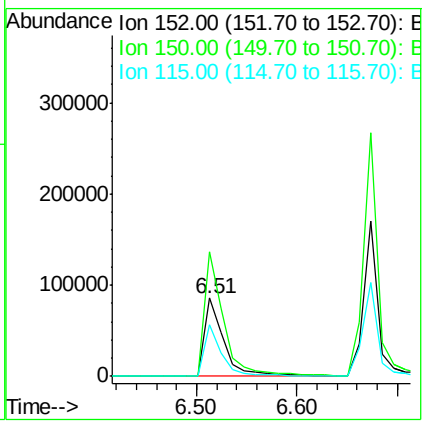




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

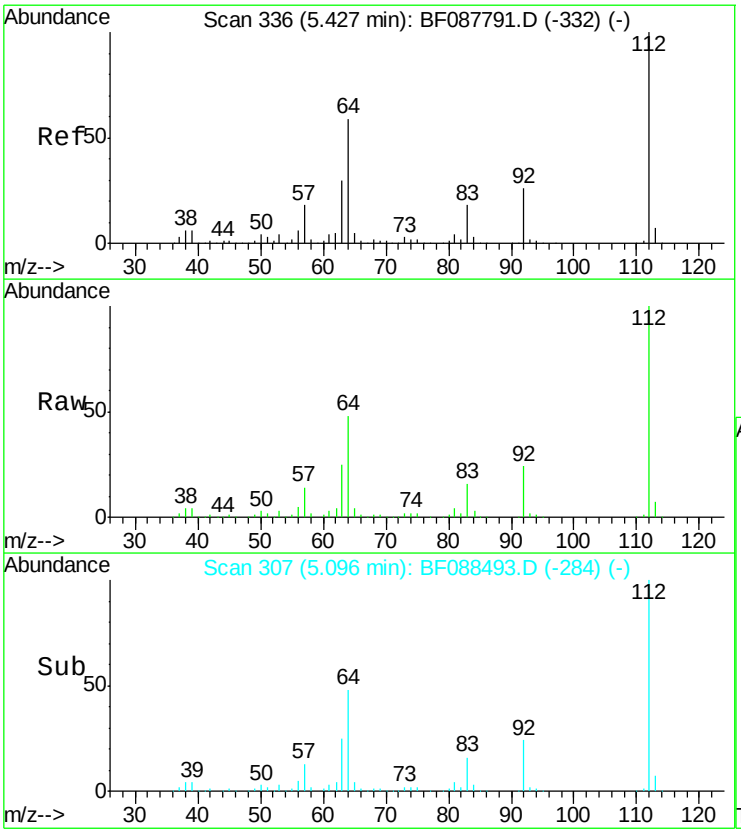
Tgt Ion:152 Resp: 115409

Ion	Ratio	Lower	Upper
152	100		
150	158.2	123.8	185.6
115	66.5	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

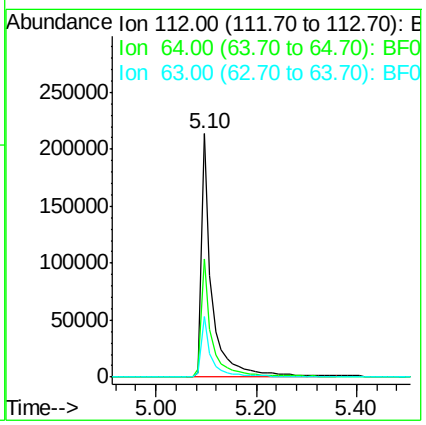
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

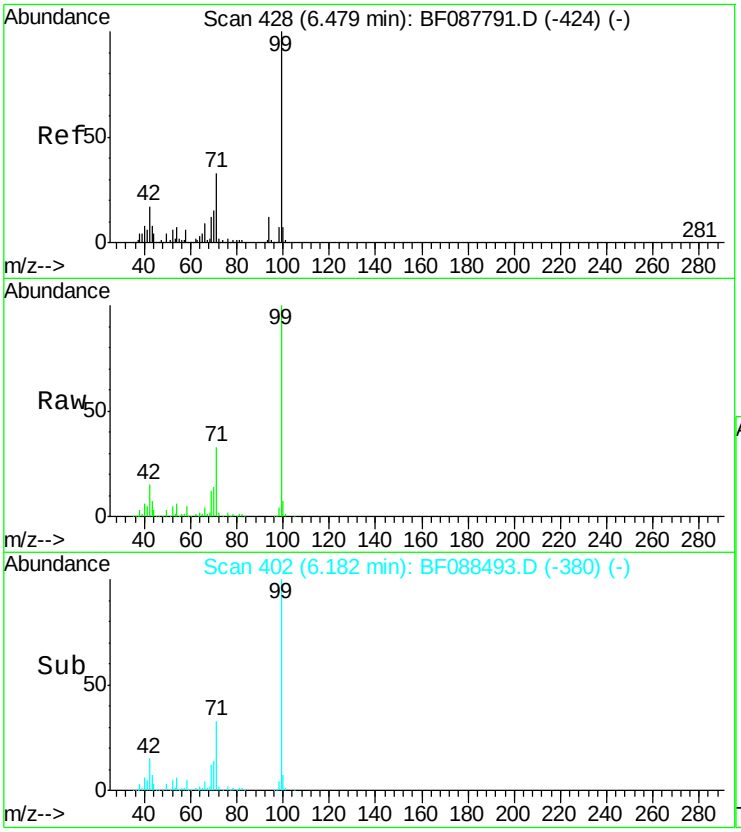


#5
2-Fluorophenol
Concen: 46.44 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:112 Resp: 313480

Ion	Ratio	Lower	Upper
112	100		
64	48.4	42.2	63.2
63	24.7	21.8	32.8

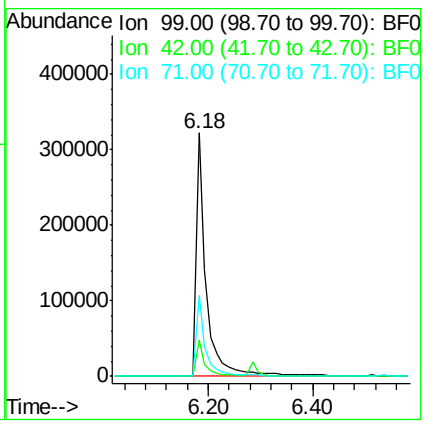




#7
Phenol-d6
Concen: 53.33 ng
RT: 6.18 min Scan# 402
Delta R.T. -0.05 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

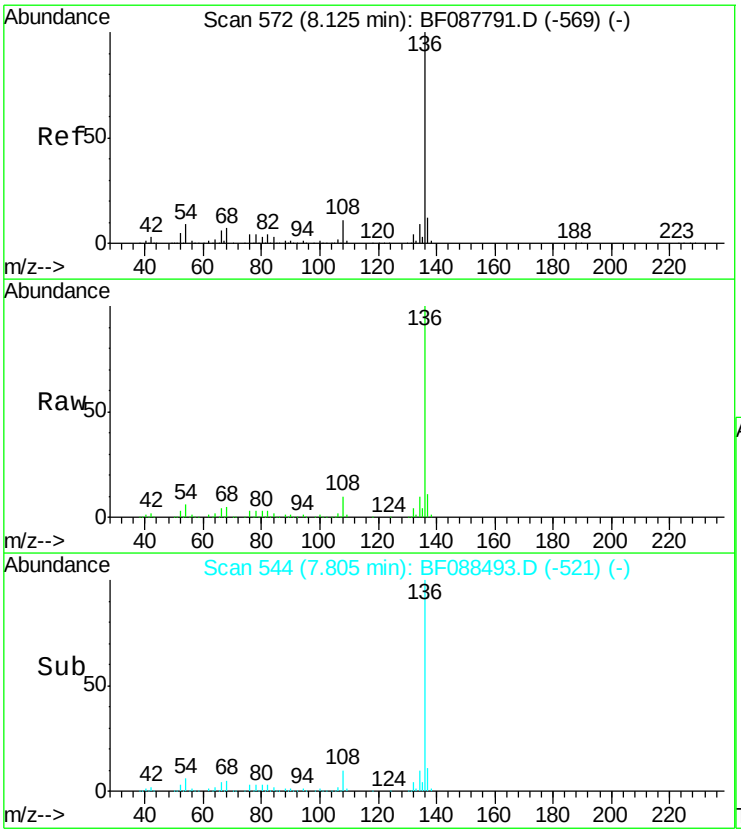
Tgt Ion: 99 Resp: 436316

Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.2	18.2
71	33.4	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

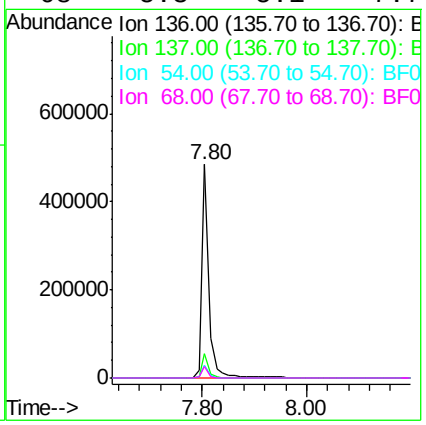
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

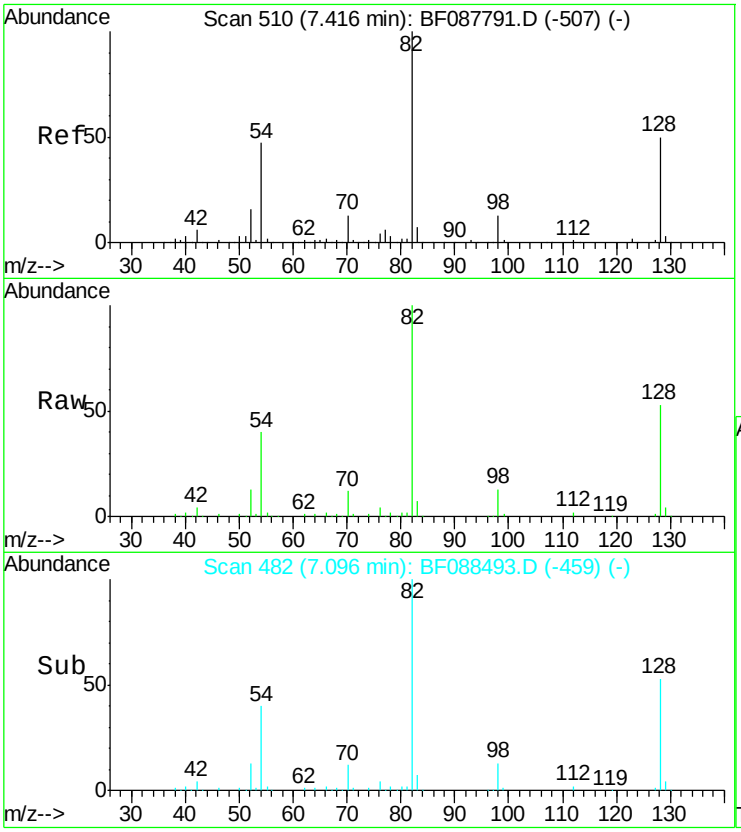


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:136 Resp: 458191

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.1	6.6	10.0#
68	5.3	5.1	7.7

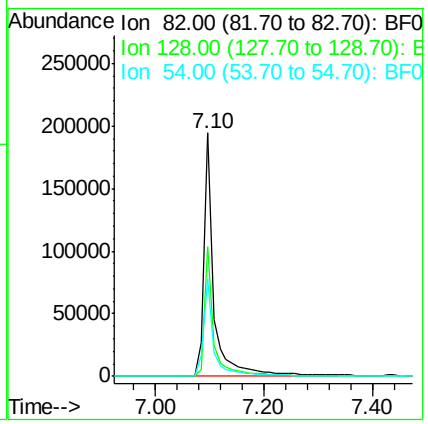




#23
Nitrobenzene-d5
Concen: 31.60 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

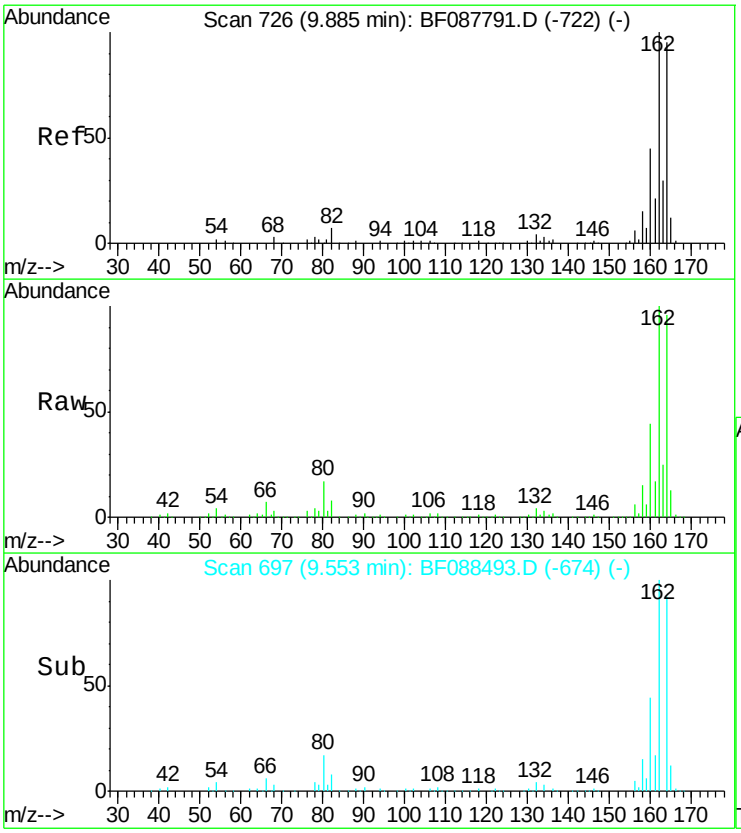
Tgt Ion: 82 Resp: 247964

Ion	Ratio	Lower	Upper
82	100		
128	53.2	35.9	53.9
54	40.0	40.9	61.3#



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

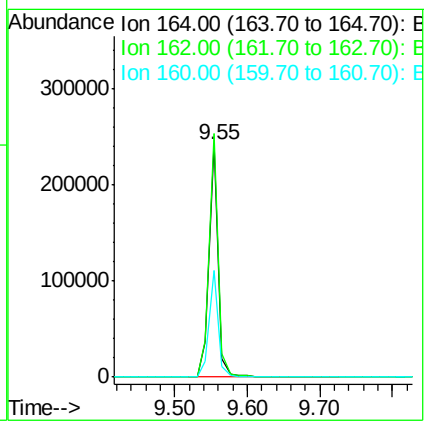
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

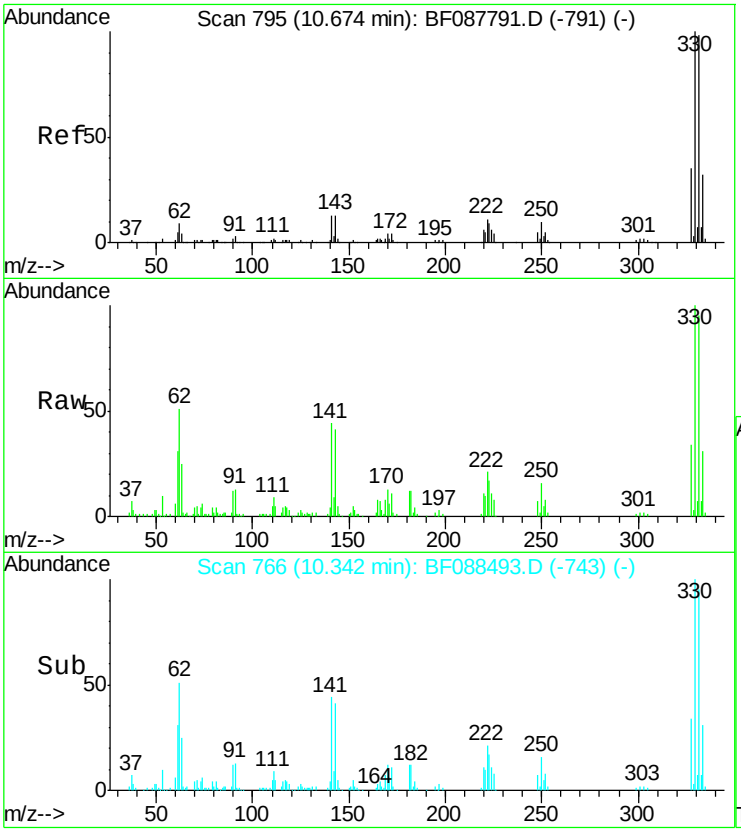


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:164 Resp: 211754

Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	45.8	39.5	59.3

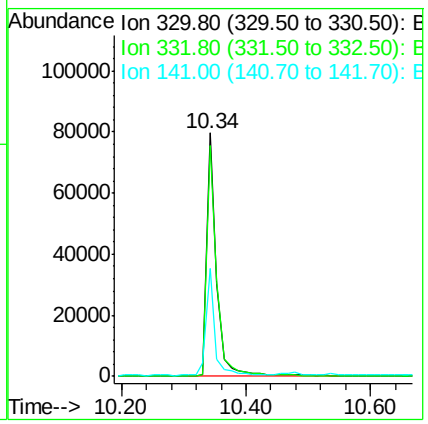




#41
2,4,6-Tribromophenol
Concen: 39.35 ng
RT: 10.34 min Scan# 766
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

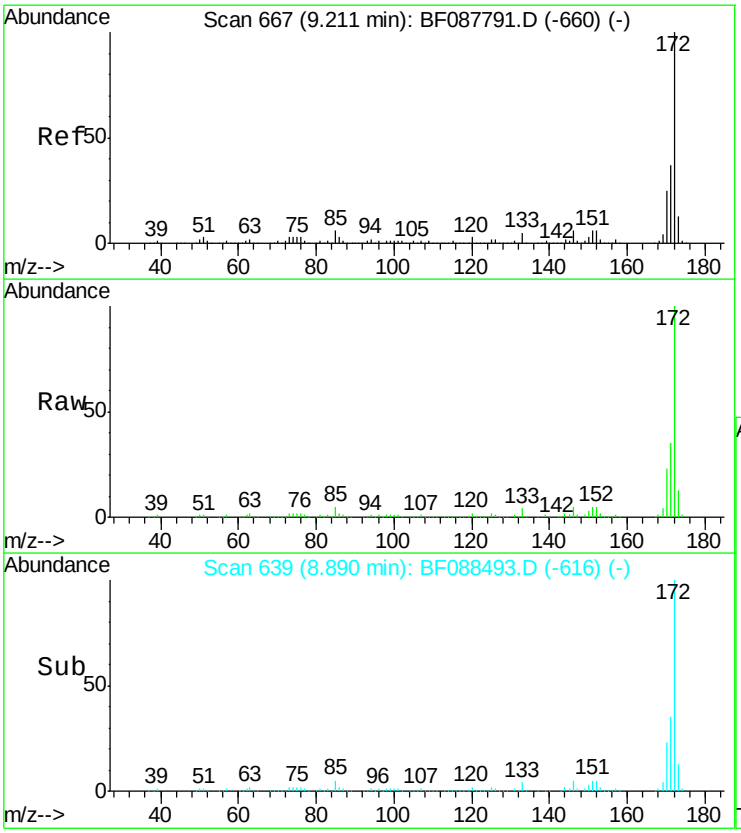
Tgt Ion:330 Resp: 87978

Ion	Ratio	Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	38.9	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

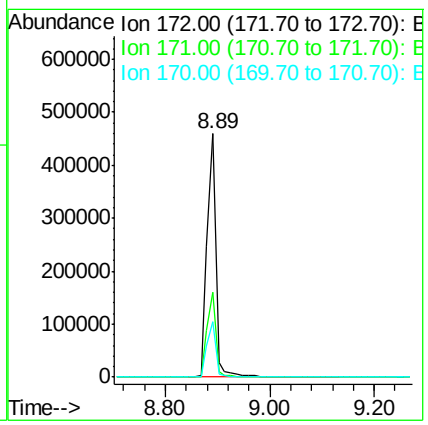
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

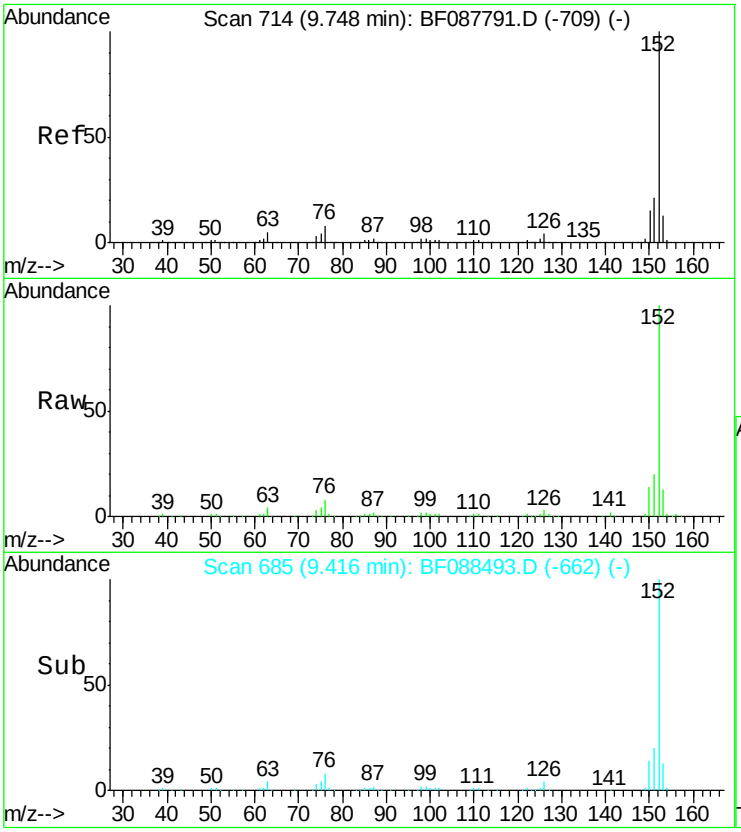


#44
2-Fluorobiphenyl
Concen: 37.03 ng
RT: 8.89 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:172 Resp: 541288

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	22.8	19.2	28.8

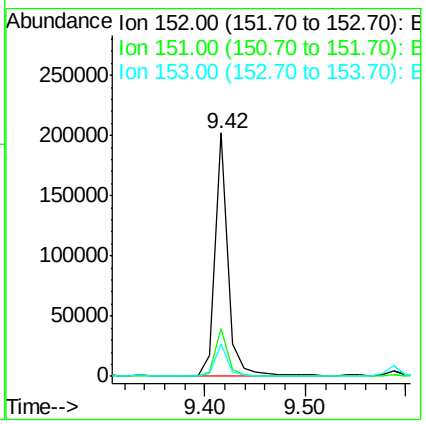




#48
Acenaphthylene
Concen: 8.37 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

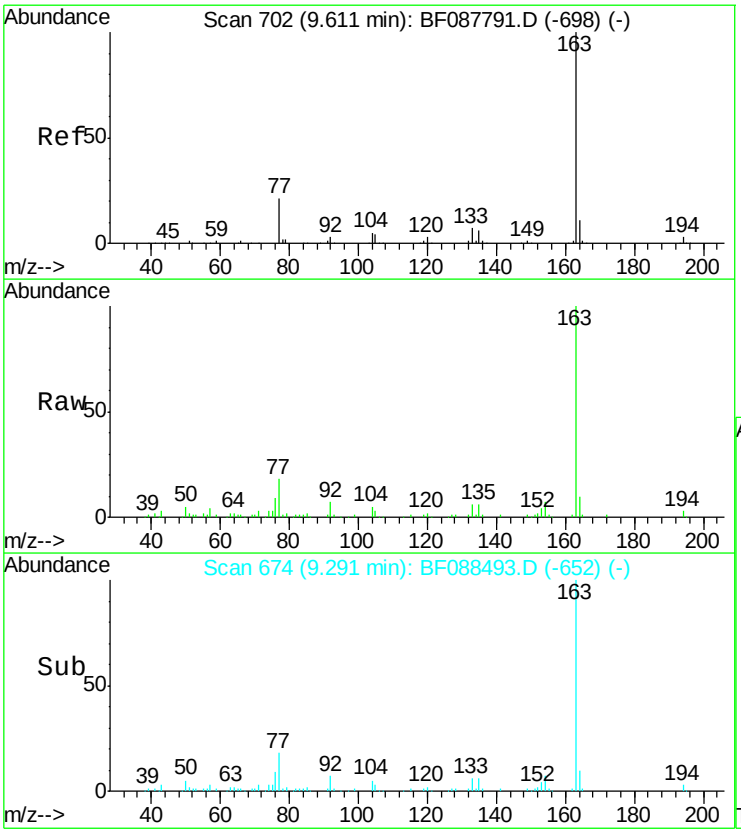
Tgt Ion:152 Resp: 182369

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4
153	13.3	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

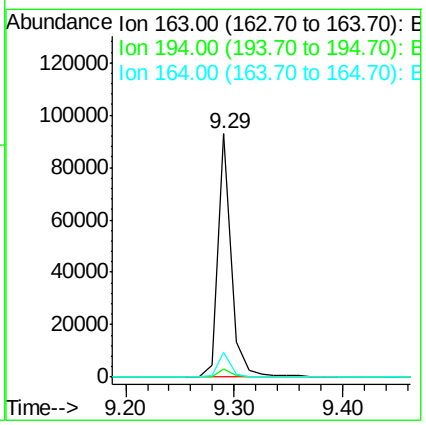
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

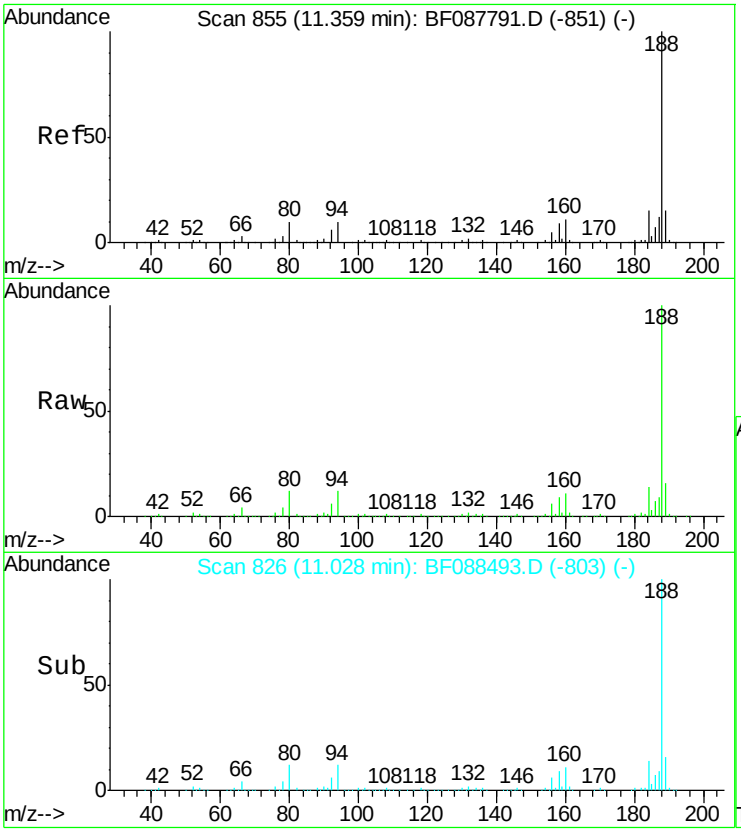


#49
Dimethylphthalate
Concen: 5.22 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.05 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:163 Resp: 80085

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.9	8.3	12.5

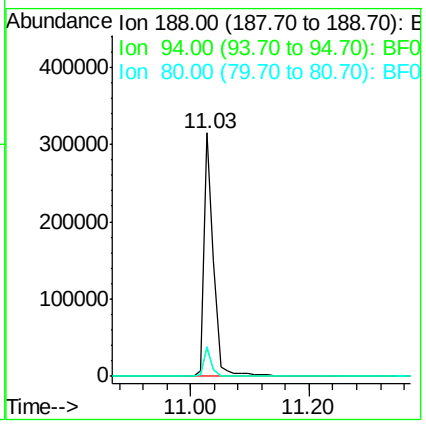




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

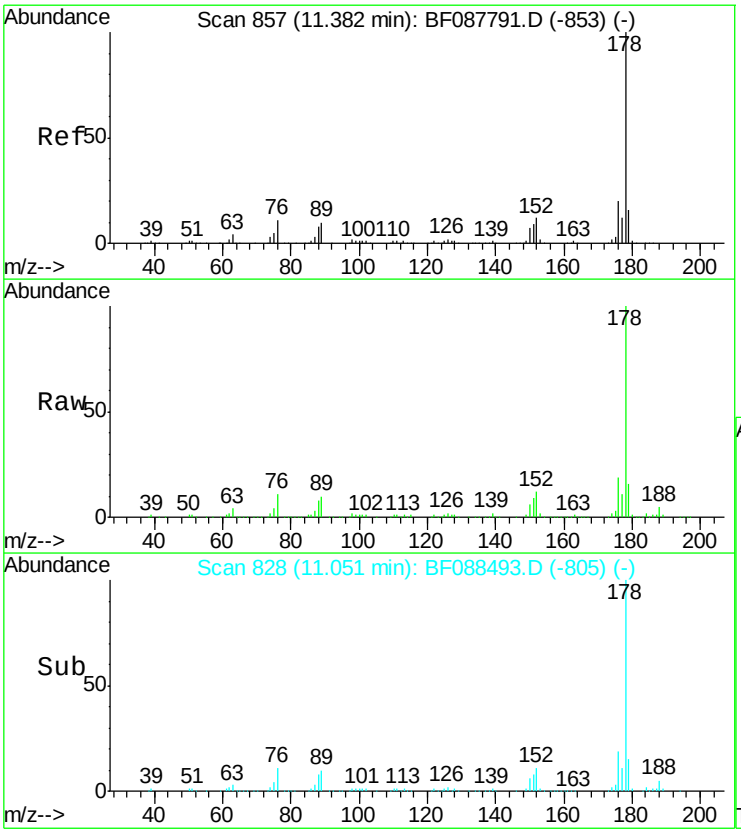
Tgt Ion:188 Resp: 353091

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.2	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

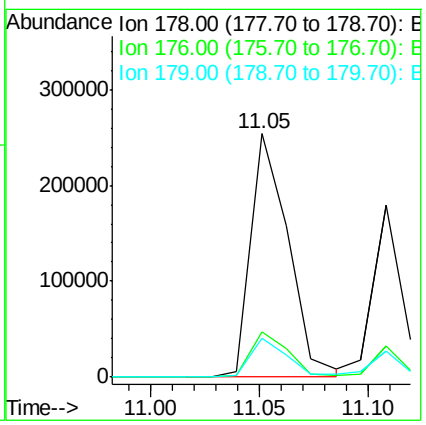
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

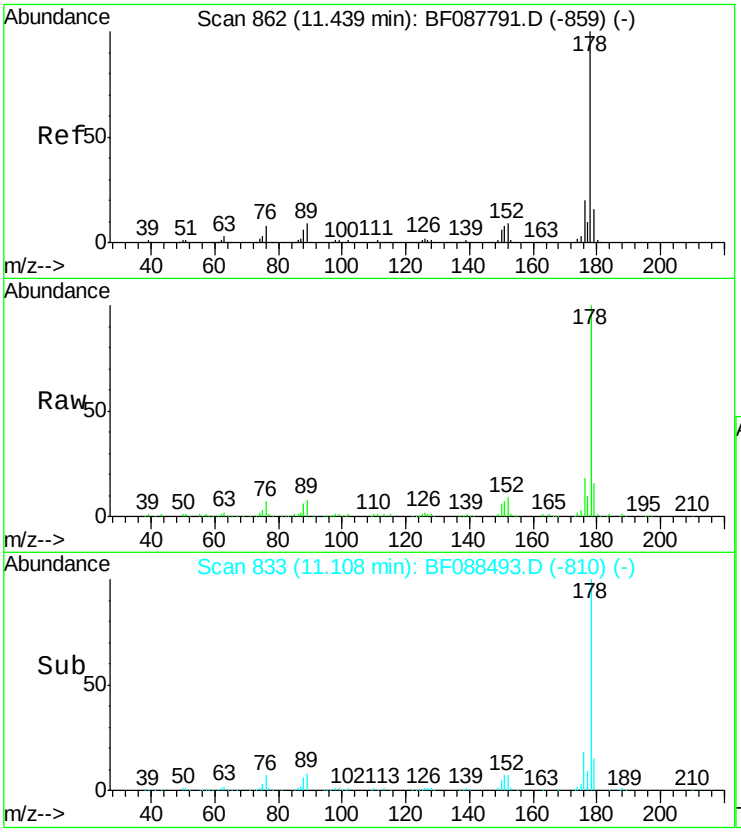


#70
Phenanthrene
Concen: 16.48 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:178 Resp: 305324

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.7	13.0	19.4

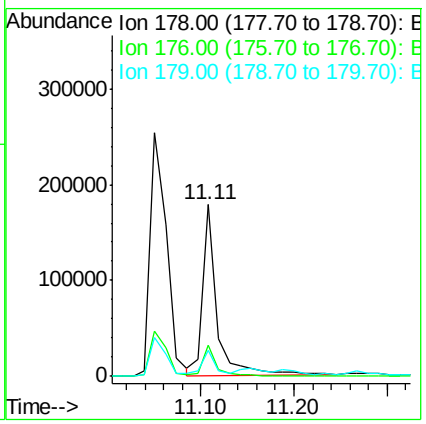




#71
Anthracene
Concen: 10.36 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.03 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

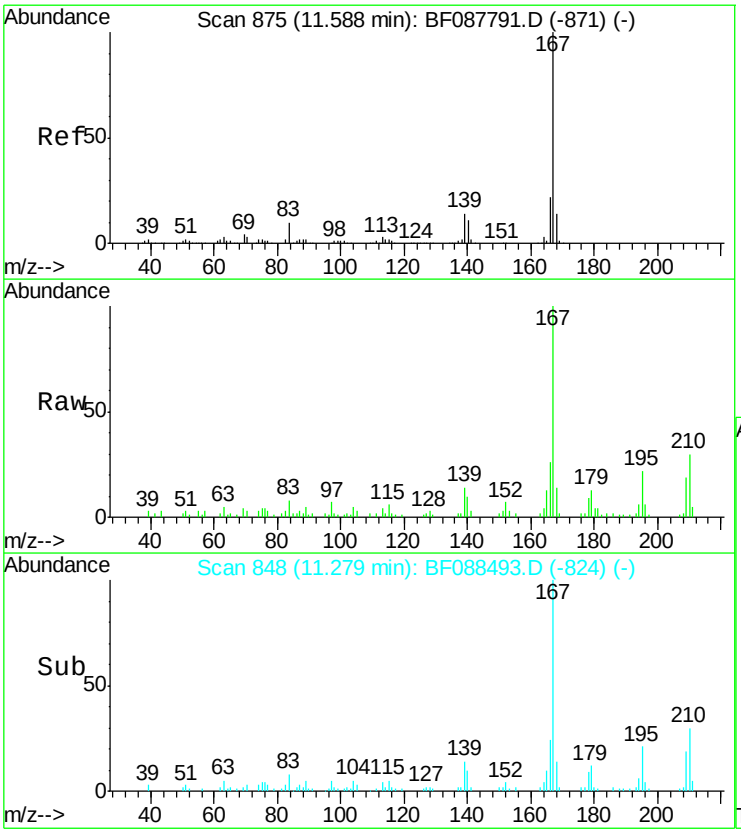
Tgt Ion:178 Resp: 193583

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	15.5	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

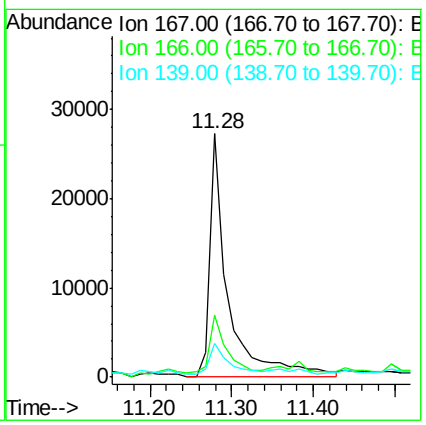
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

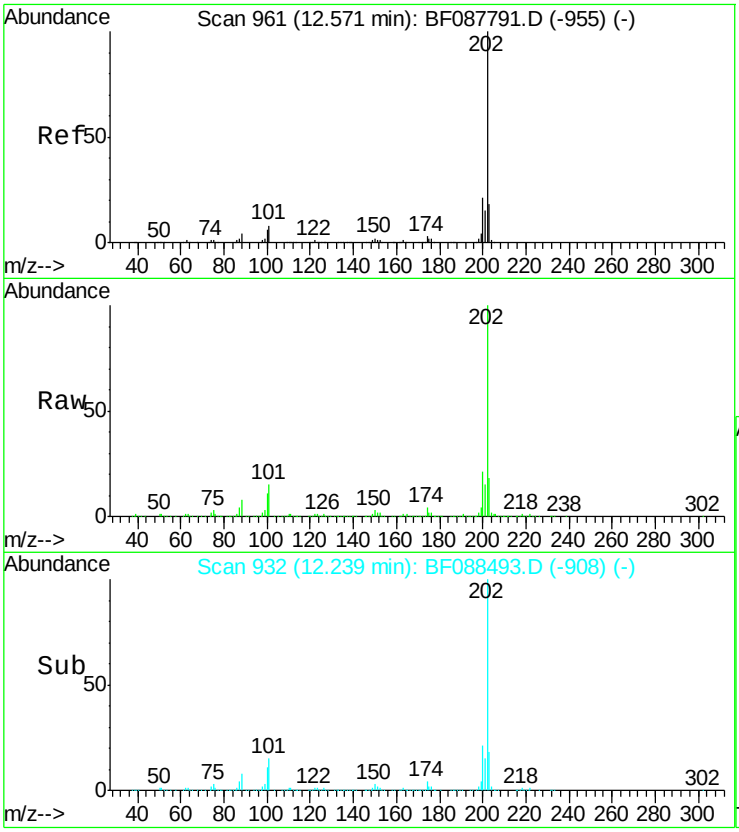


#72
Carbazole
Concen: 2.48 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:167 Resp: 43340

Ion	Ratio	Lower	Upper
167	100		
166	25.7	17.8	26.6
139	14.0	11.2	16.8

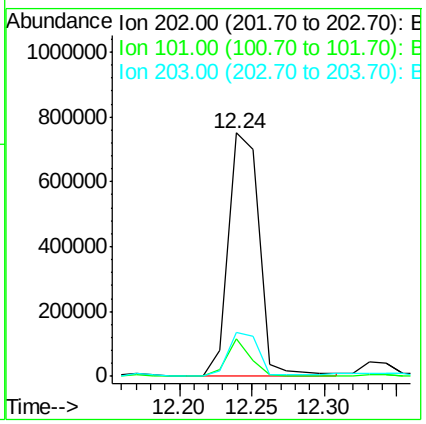




#74
Fluoranthene
Concen: 56.33 ng
RT: 12.24 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

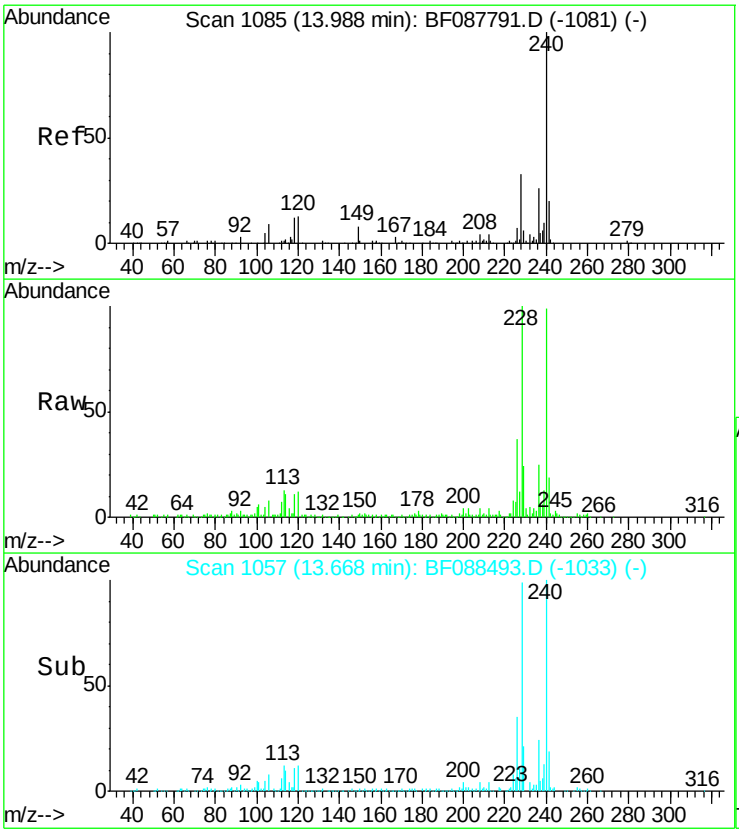
Tgt Ion:202 Resp: 1101464

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	33.1
203	18.2	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

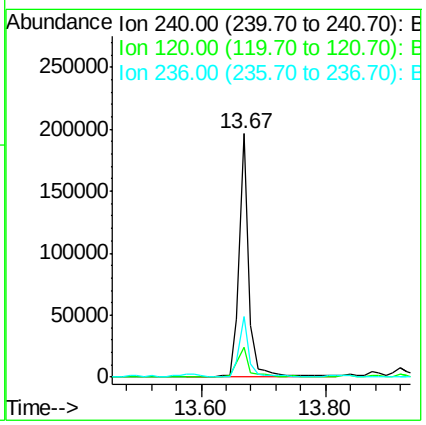
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

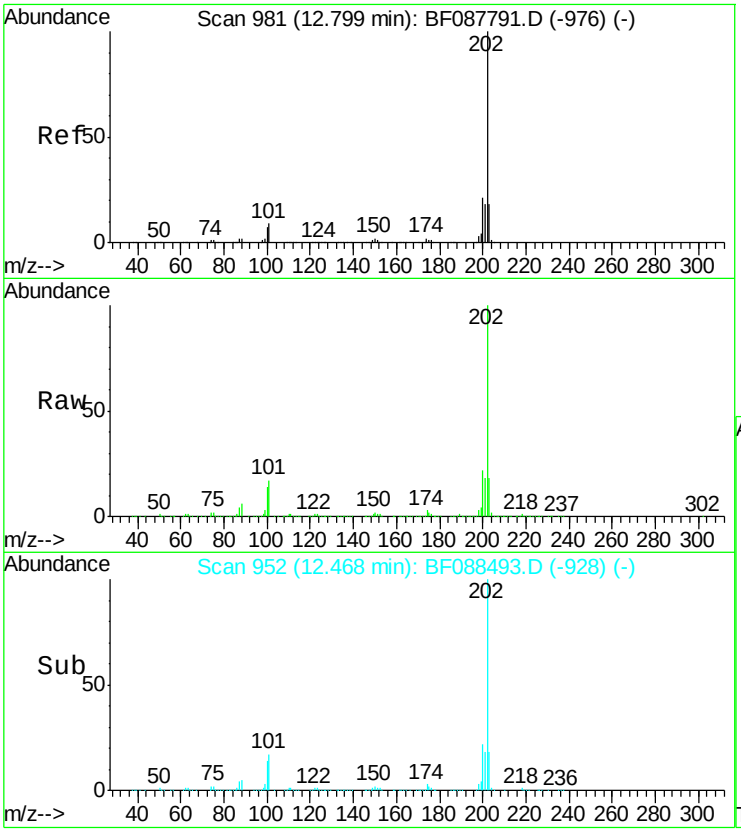


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:240 Resp: 212250

Ion	Ratio	Lower	Upper
240	100		
120	12.3	6.8	10.2#
236	24.9	20.2	30.2

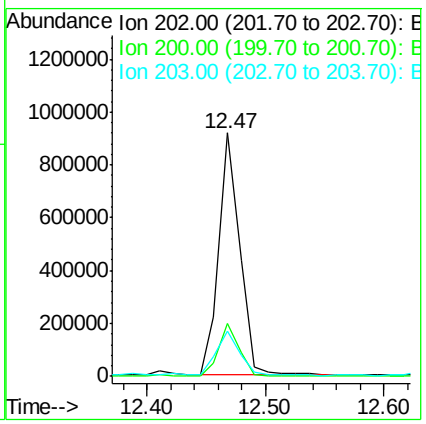




#77
Pyrene
Concen: 71.10 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

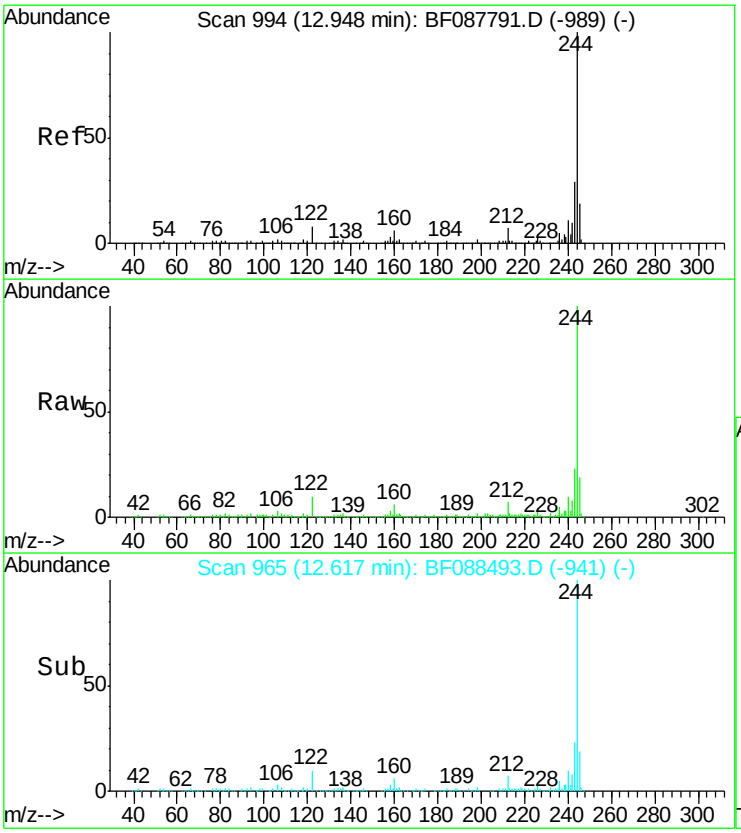
Tgt Ion:202 Resp: 1119927

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.4	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

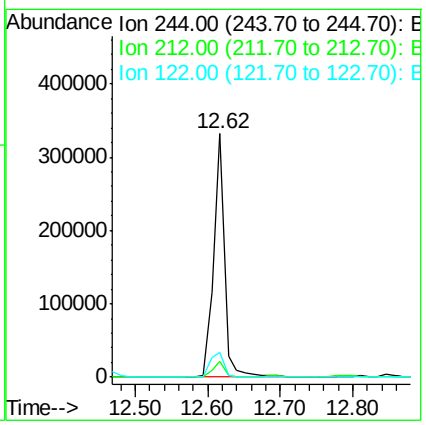
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

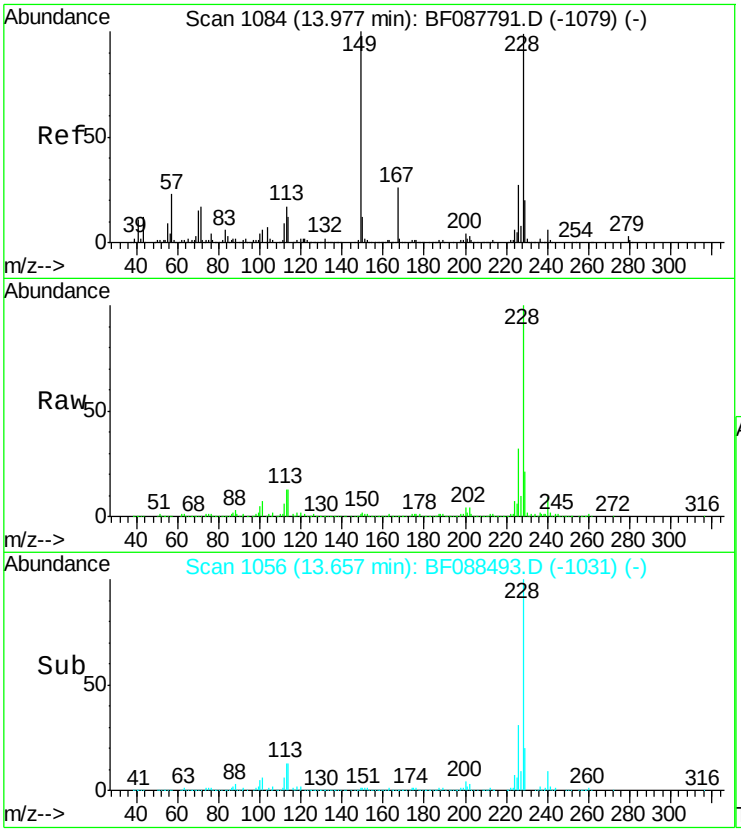


#78
Terphenyl-d14
Concen: 37.63 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:244 Resp: 350952

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	10.2	11.2	16.8#

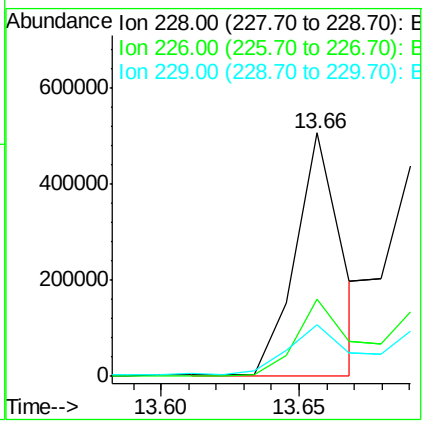




#80
Benzo(a)anthracene
Concen: 48.84 ng m
RT: 13.66 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

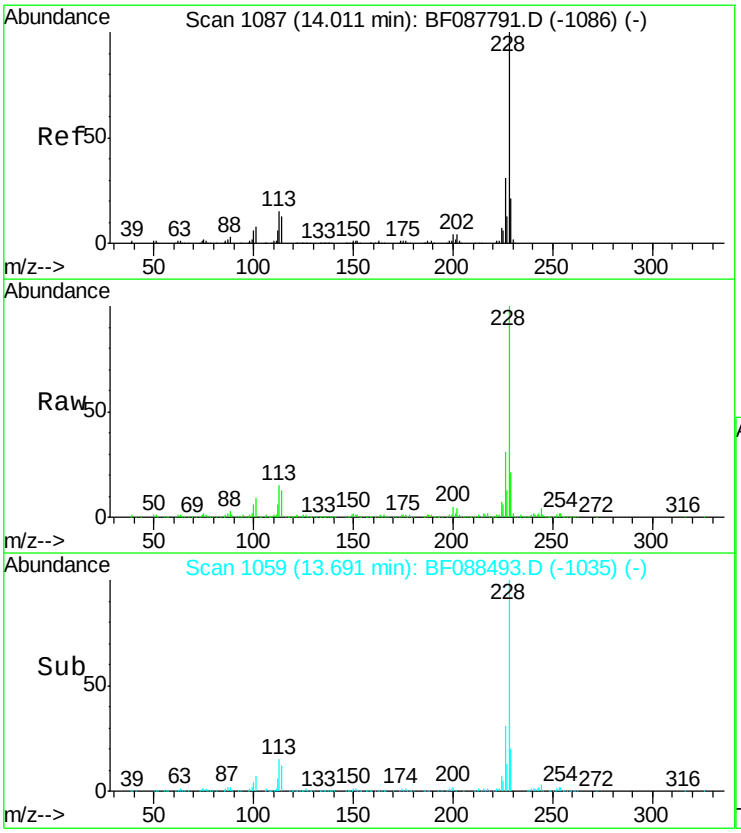
Tgt Ion:228 Resp: 590736

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.3	33.5
229	21.0	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

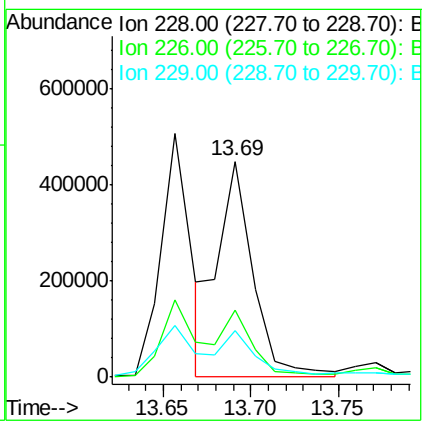
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

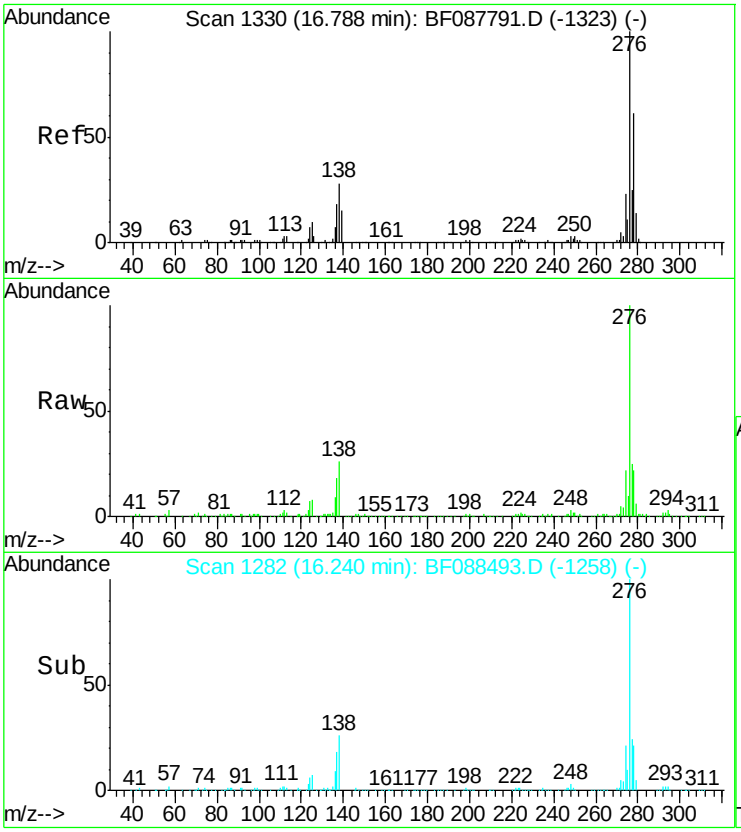


#82
Chrysene
Concen: 54.77 ng m
RT: 13.69 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:228 Resp: 623200

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	21.3	16.3	24.5





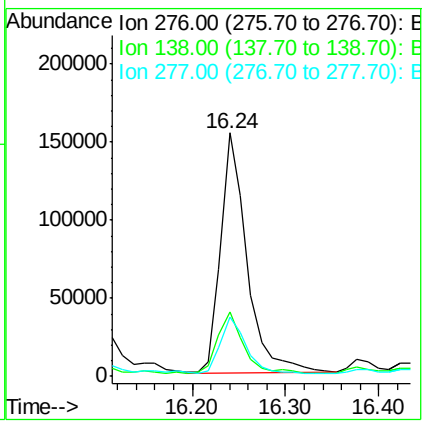
#85
Indeno(1,2,3-cd)pyrene
Concen: 28.61 ng
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

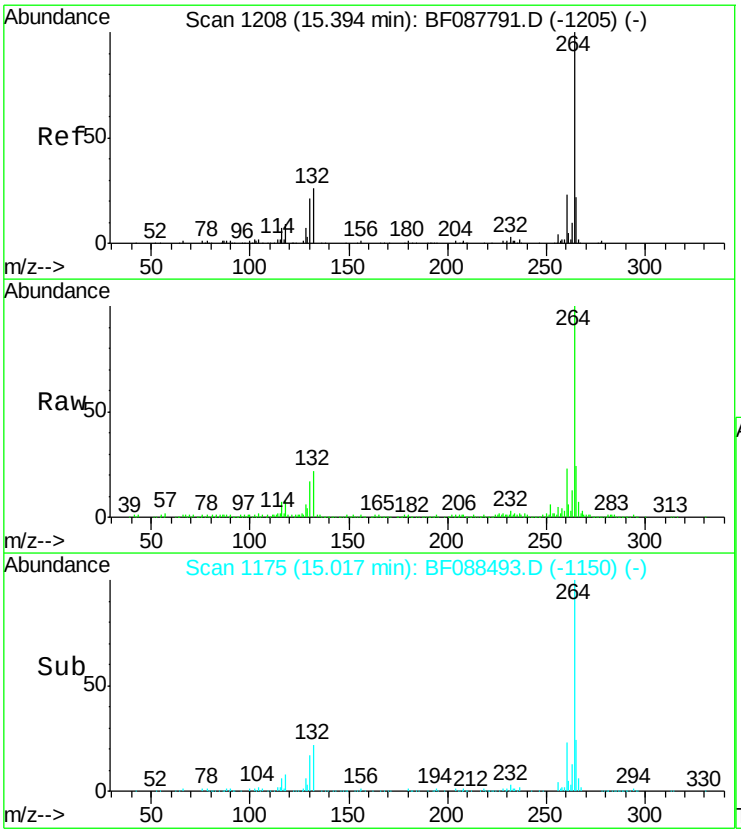
Tgt Ion:276 Resp: 302496

Ion	Ratio	Lower	Upper
276	100		
138	26.6	0.0	0.0#
277	23.1	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

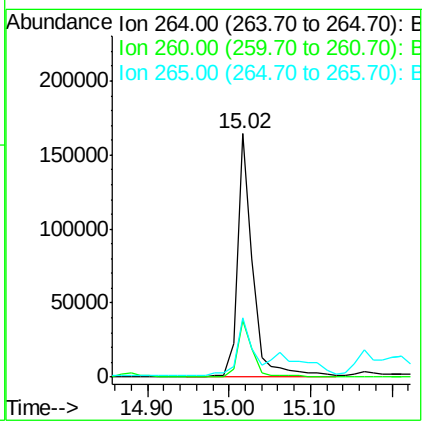


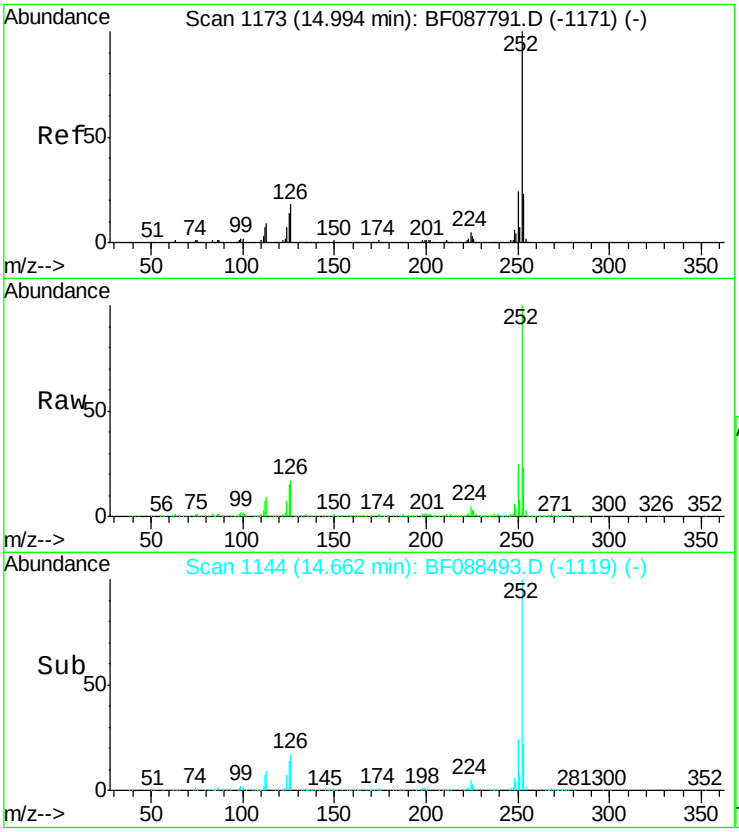


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:264 Resp: 214812

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	24.2	16.9	25.3

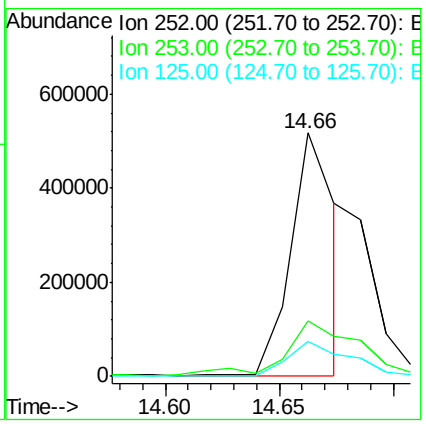




#87
Benzo(b)fluoranthene
Concen: 47.93 ng m
RT: 14.66 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

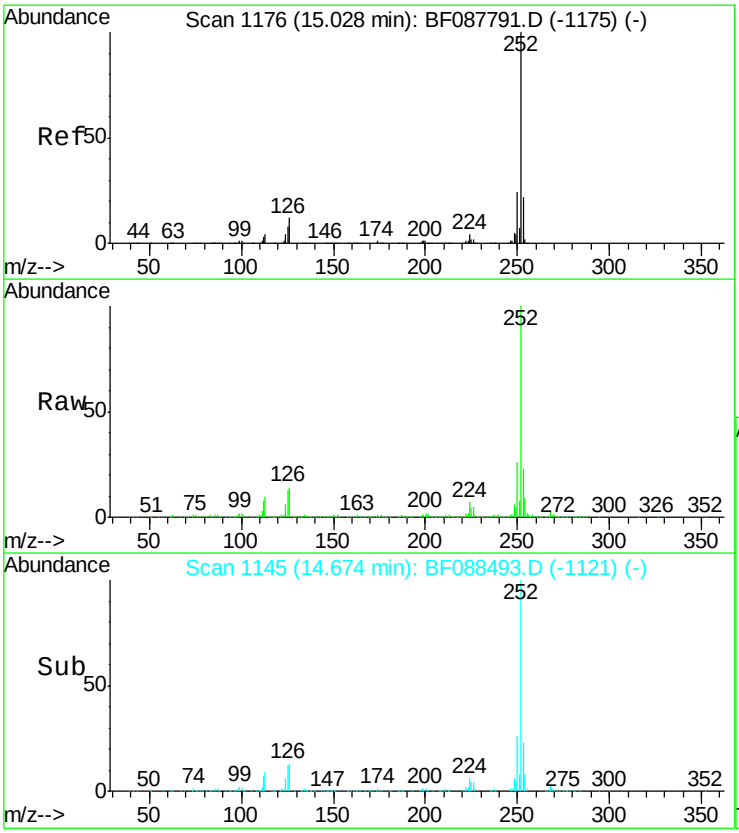
Tgt Ion:252 Resp: 717638

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	14.6	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

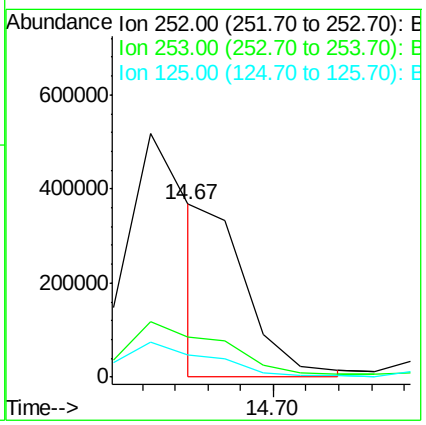
Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

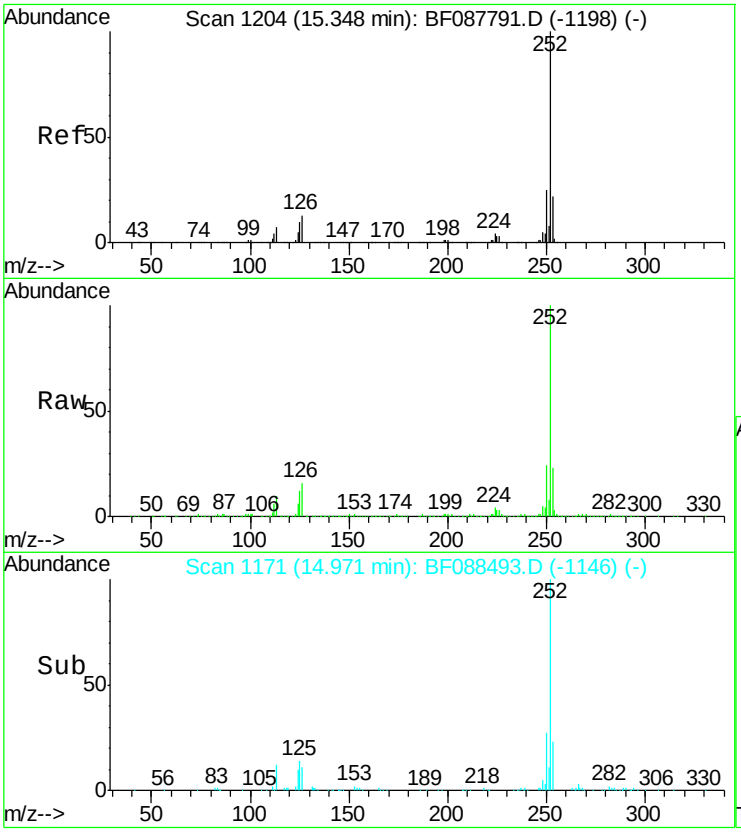


#88
Benzo(k)fluoranthene
Concen: 27.86 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:252 Resp: 314659

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	12.7	11.2	16.8





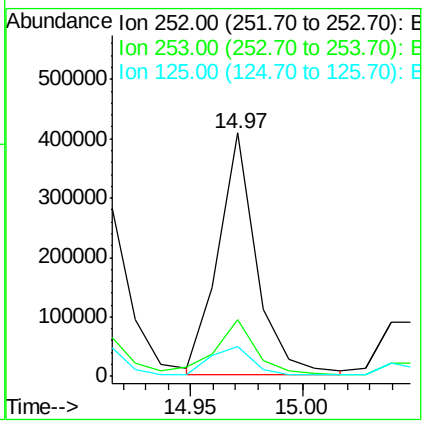
#89
Benzo(a)pyrene
Concen: 39.93 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

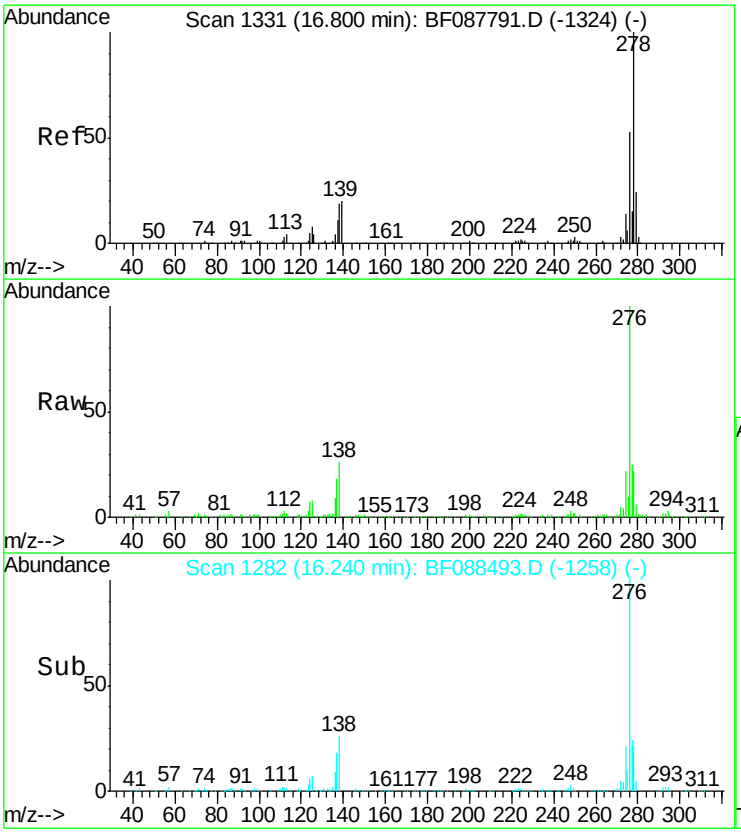
Tgt Ion:252 Resp: 483663

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.4	12.5	18.7#

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM

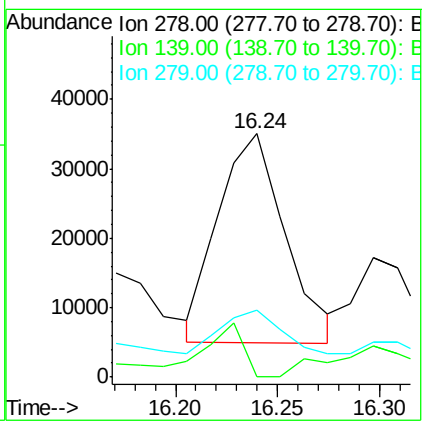


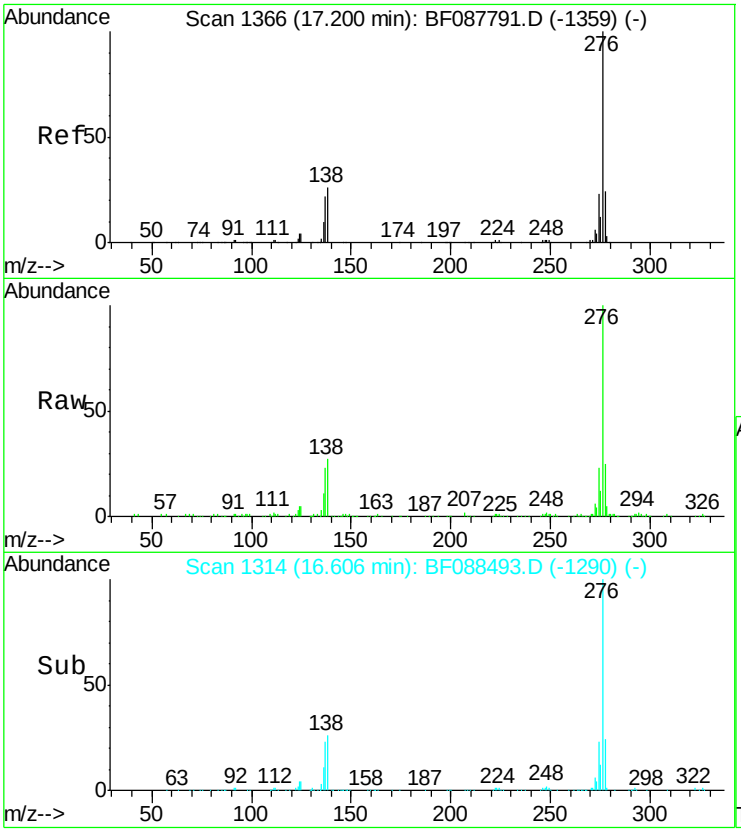


#90
Dibenzo(a,h)anthracene
Concen: 6.10 ng m
RT: 16.24 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:278 Resp: 68583

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	27.4	19.4	29.2

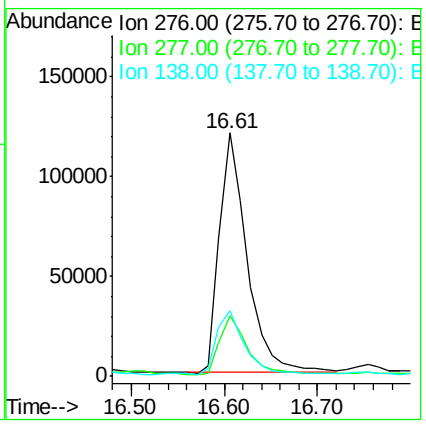




#91
Benzo(g,h,i)perylene
Concen: 21.45 ng
RT: 16.61 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF088493.D
Acq: 28 Jun 2016 22:04

Tgt Ion:276 Resp: 248215

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	26.8	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)DL

Manual Integrations APPROVED
umangi
6/29/2016 4:40:48 PM