Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084993.D
Acq On : 10 Feb 2016 15:16
Operator : SJ/IZ
Sample : H1392-07 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

Quant Time: Feb 10 17:37:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 13:28:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	151904	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	598923	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	252876	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	434659	20.00	ng	0.00
75) Chrysene-d12	13.76	240	306734	20.00	ng	-0.01
86) Perylene-d12	15.13	264	280984	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	133624	13.70	ng	0.00
7) Phenol-d6	6.27	99	167517	13.86	ng	-0.01
23) Nitrobenzene-d5	7.19	82	107910	10.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	33214	12.59	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	171826	7.88	ng	0.00
78) Terphenyl-d14	12.72	244	120178	8.88	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.16	178	133719	5.55	ng	99
74) Fluoranthene	12.34	202	157924	6.47	ng	98
77) Pyrene	12.57	202	141019	6.00	ng	100
80) Benzo(a)anthracene	13.76	228	70637m	3.71	ng	
82) Chrysene	13.79	228	56104m	3.04	ng	
87) Benzo(b)fluoranthene	14.75	252	78610m	4.16	ng	
89) Benzo(a)pyrene	15.07	252	48420	3.01	ng	# 89

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

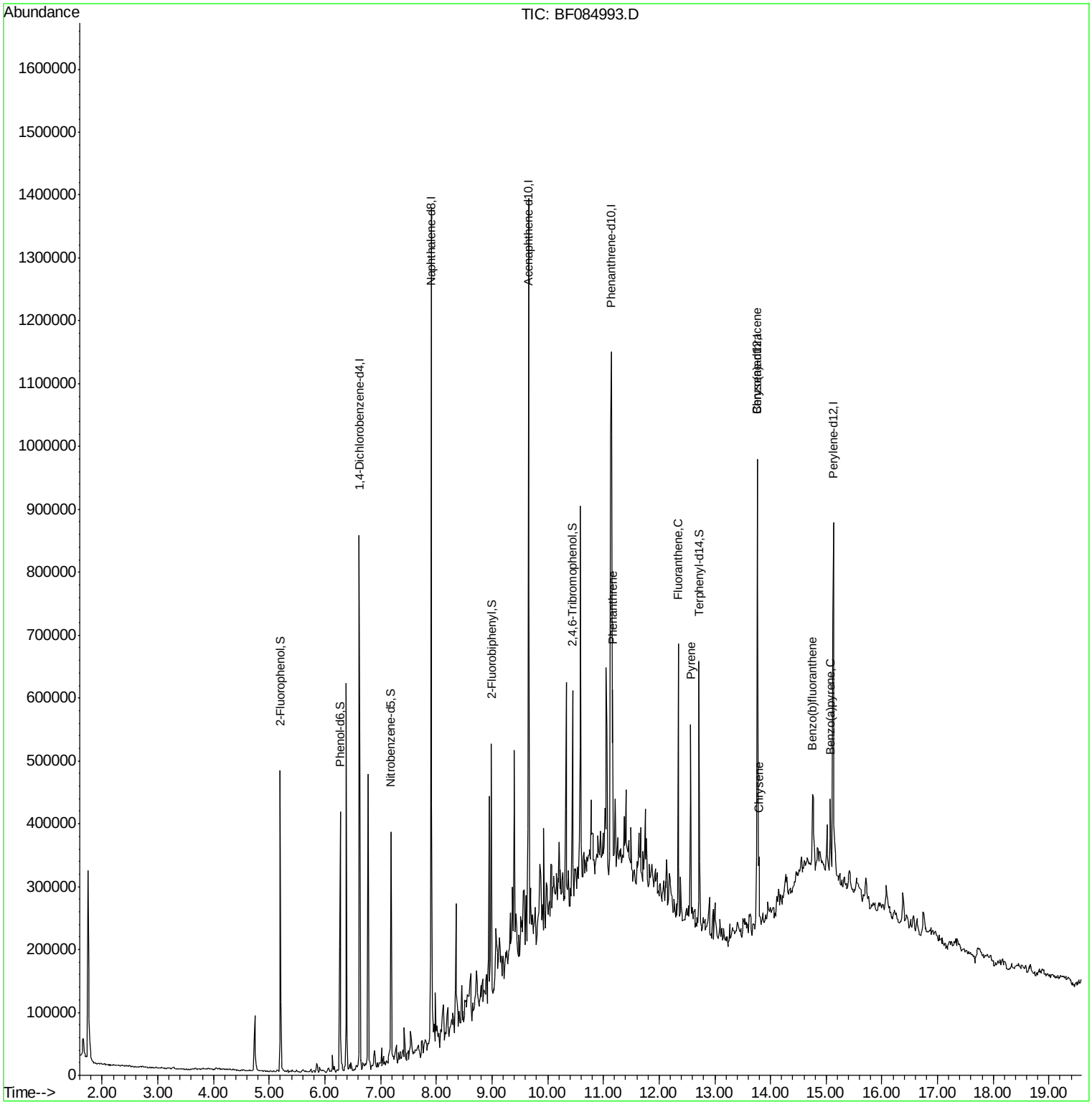
Quantitation Report (LSC Reviewed)

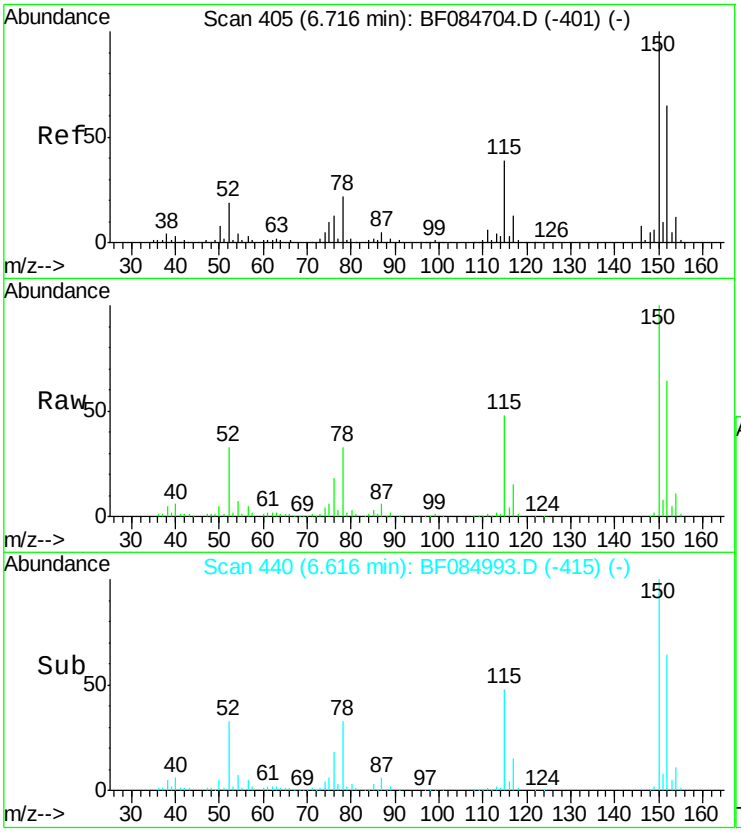
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084993.D
Acq On : 10 Feb 2016 15:16
Operator : SJ/IZ
Sample : H1392-07 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 17:37:35 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 13:28:51 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

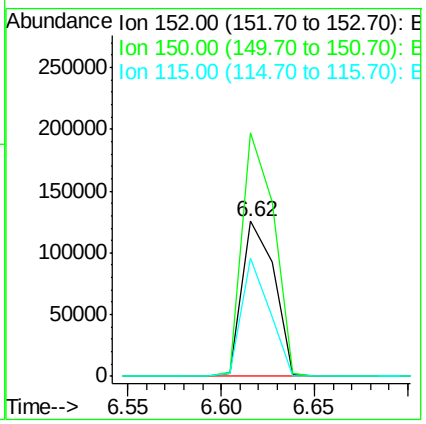




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

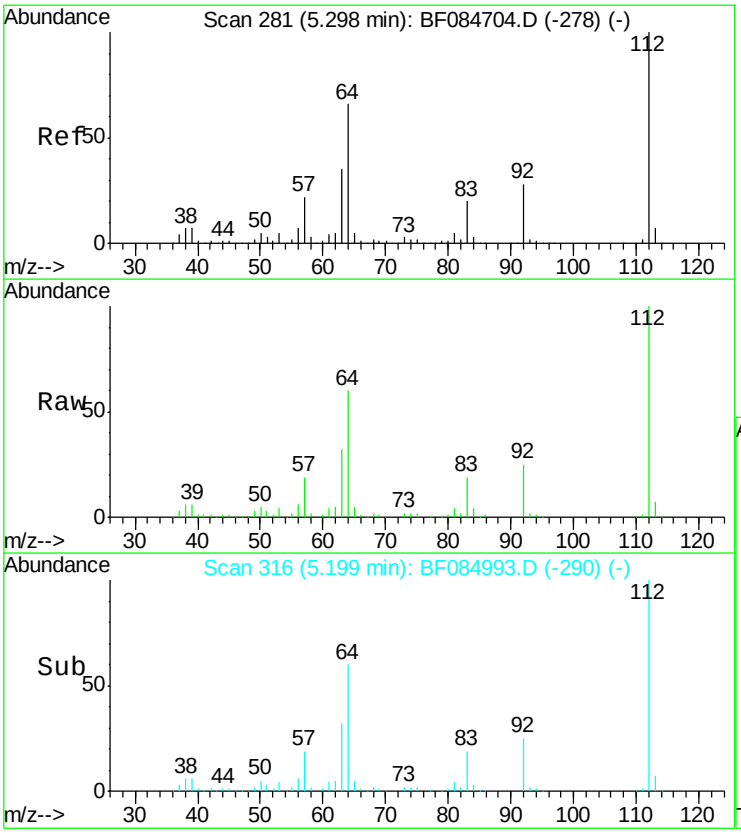
Tgt Ion:152 Resp: 151904

Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.0	184.4
115	75.8	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

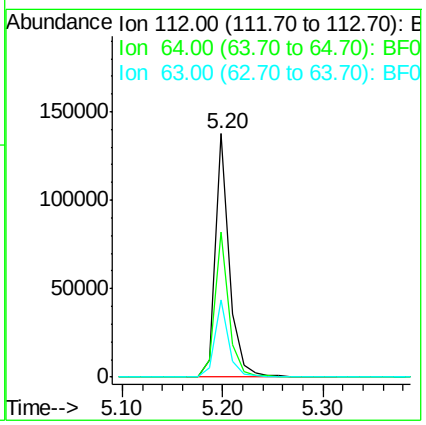
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

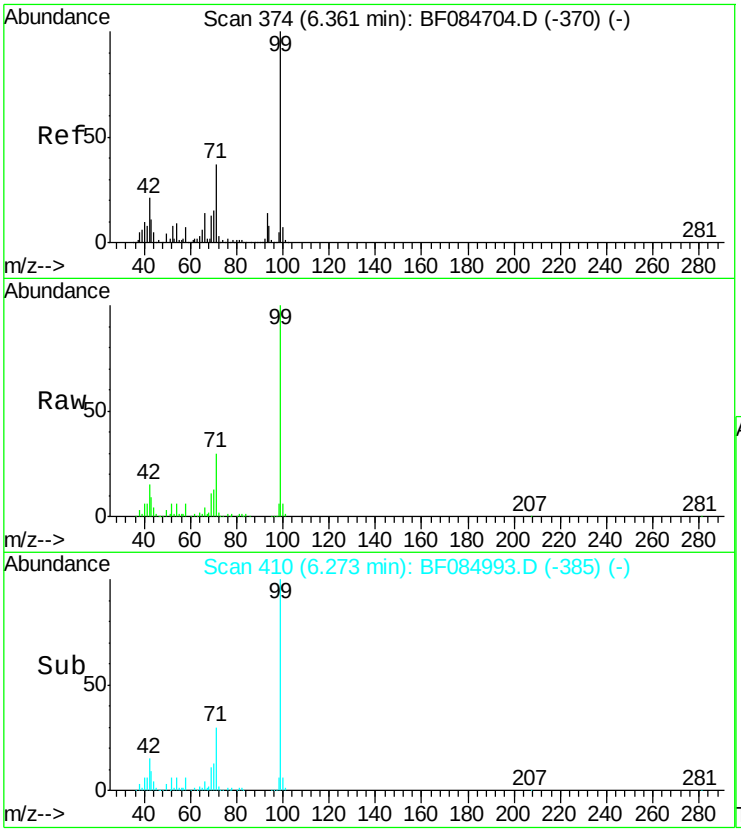


#5
2-Fluorophenol
Concen: 13.70 ng
RT: 5.20 min Scan# 316
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:112 Resp: 133624

Ion	Ratio	Lower	Upper
112	100		
64	59.8	36.6	55.0#
63	31.7	19.4	29.0#

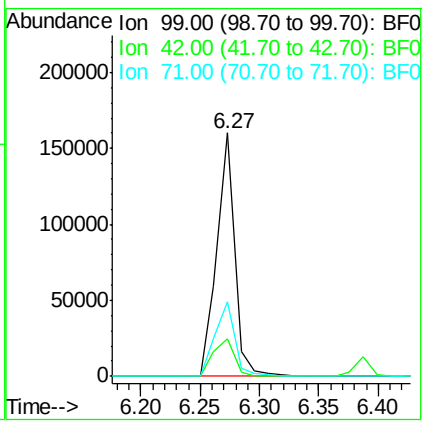




#7
Phenol-d6
Concen: 13.86 ng
RT: 6.27 min Scan# 410
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

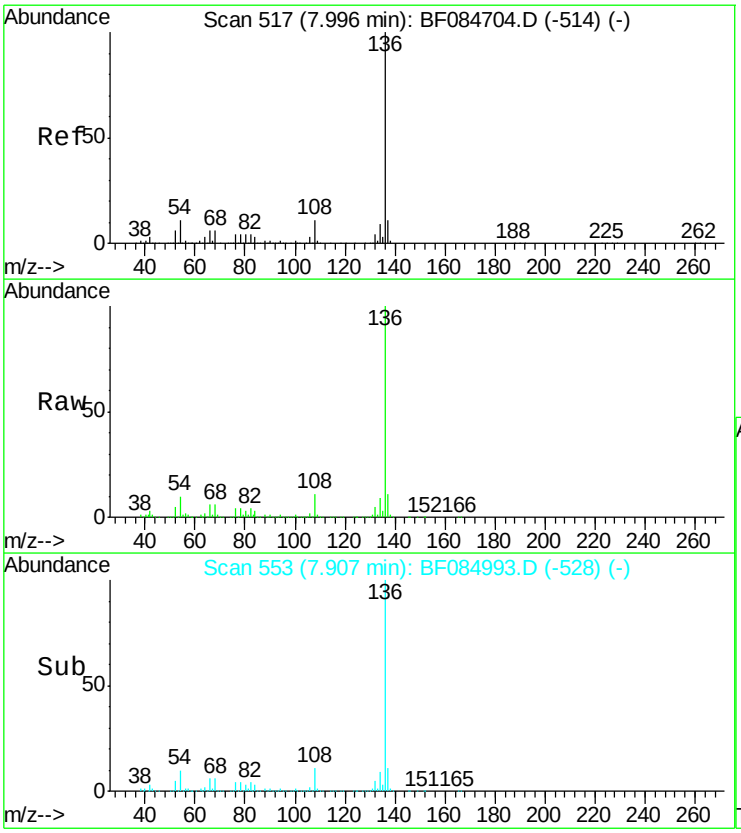
Tgt Ion: 99 Resp: 167517

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.8	19.2
71	30.5	30.9	46.3#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

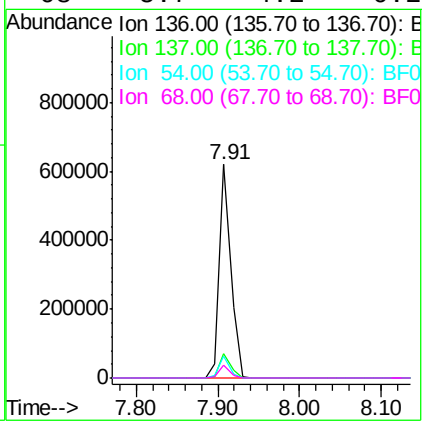
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

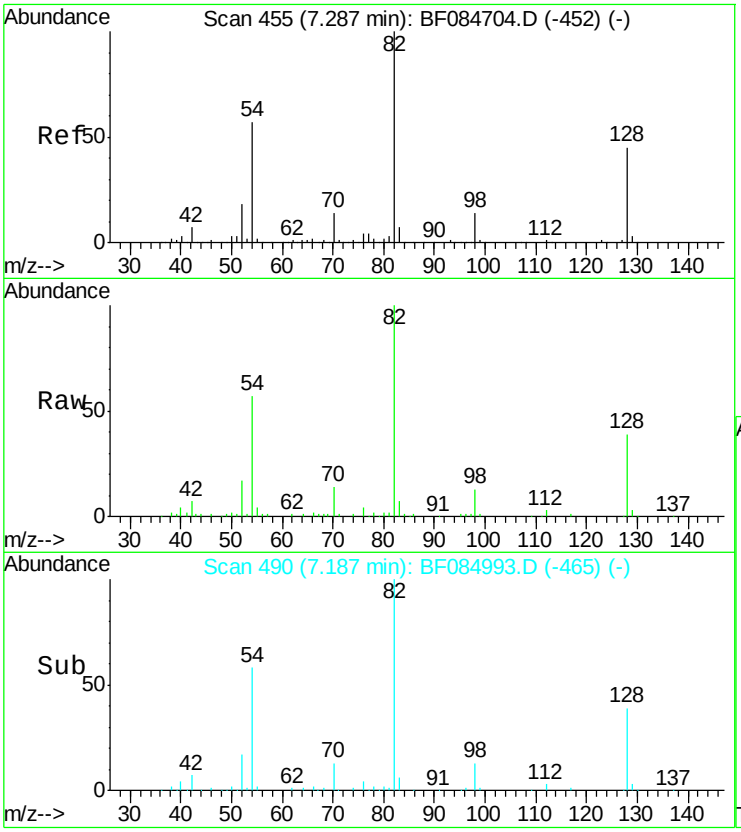


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:136 Resp: 598923

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.1	5.8	8.8#
68	5.7	4.2	6.2

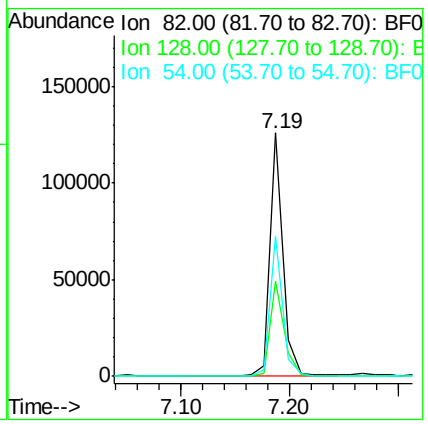




#23
Nitrobenzene-d5
Concen: 10.15 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

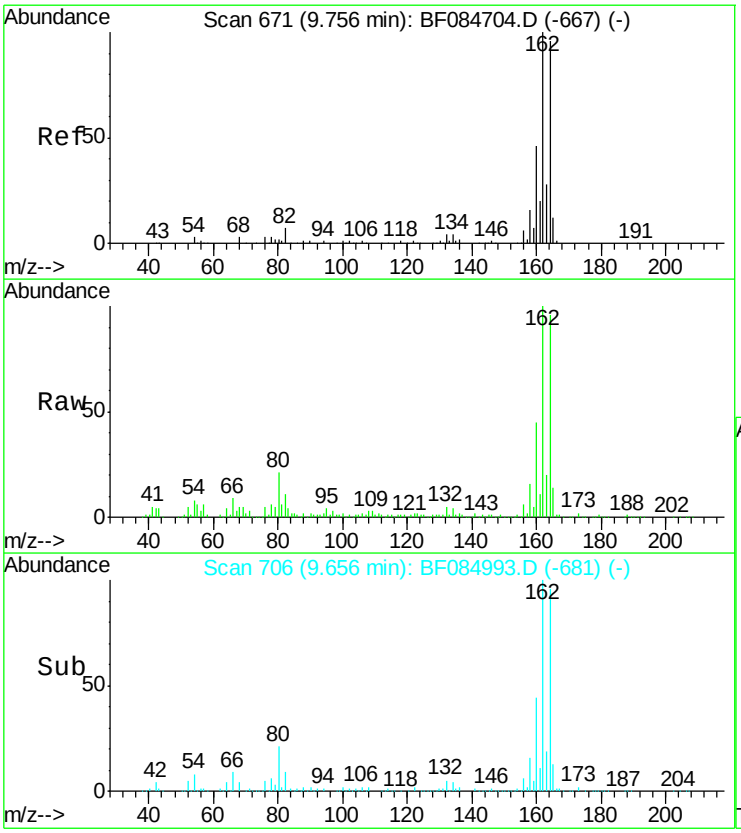
Tgt Ion: 82 Resp: 107910

Ion	Ratio	Lower	Upper
82	100		
128	39.0	34.6	51.8
54	57.5	38.4	57.6



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

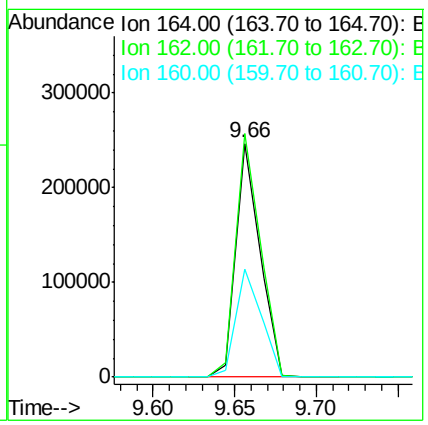
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

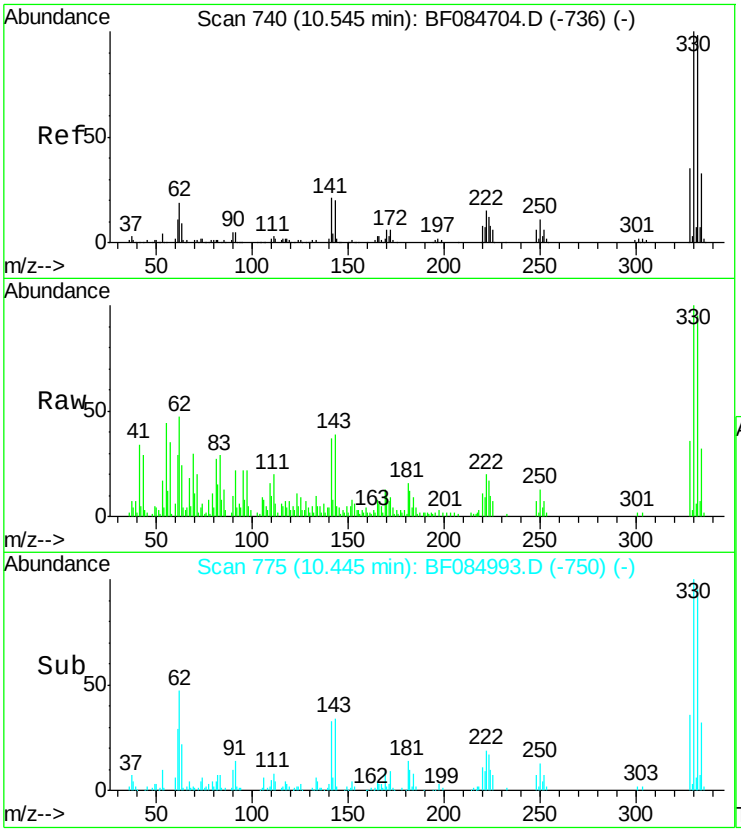


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:164 Resp: 252876

Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.1	127.7
160	46.4	37.5	56.3

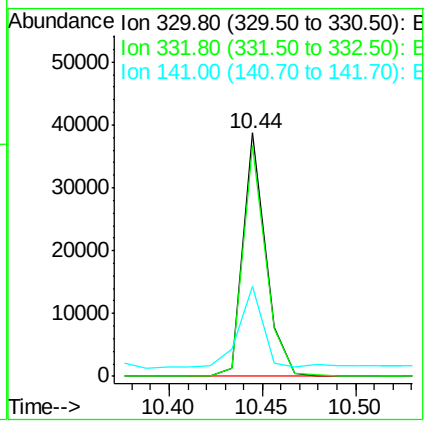




#41
2,4,6-Tribromophenol
Concen: 12.59 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

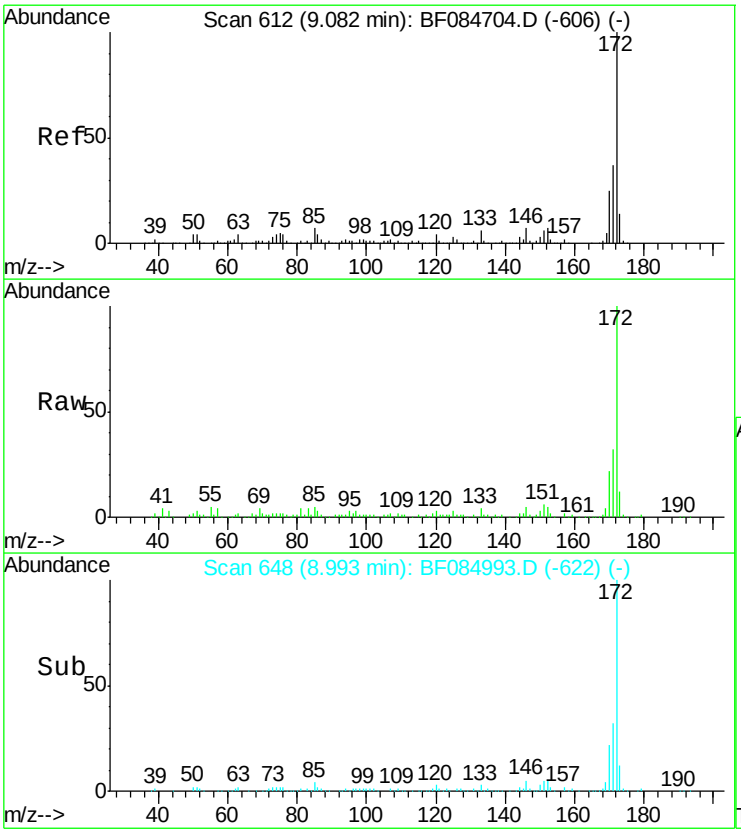
Tgt Ion:330 Resp: 33214

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	34.6	27.8	41.6



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

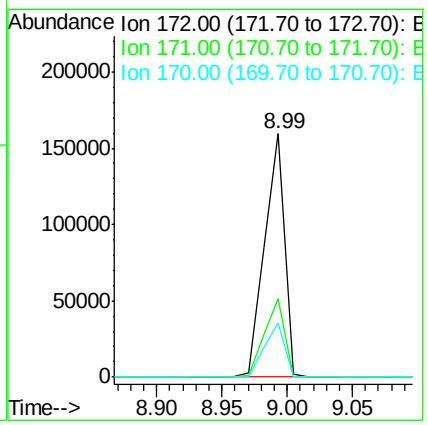
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

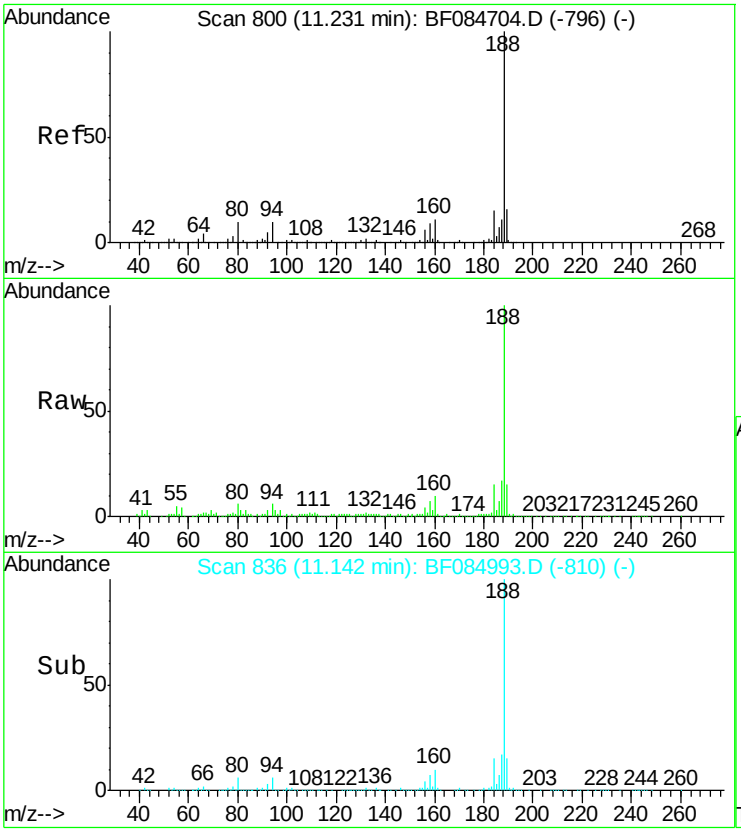


#44
2-Fluorobiphenyl
Concen: 7.88 ng
RT: 8.99 min Scan# 648
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:172 Resp: 171826

Ion	Ratio	Lower	Upper
172	100		
171	32.2	28.9	43.3
170	22.5	18.6	27.8

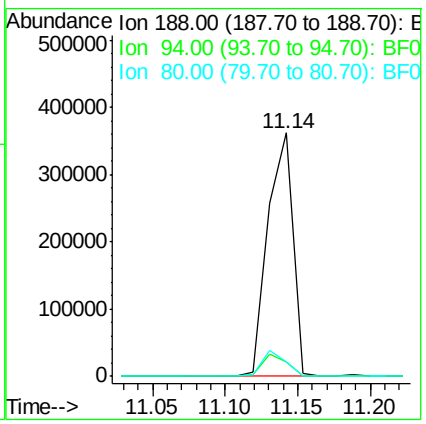




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

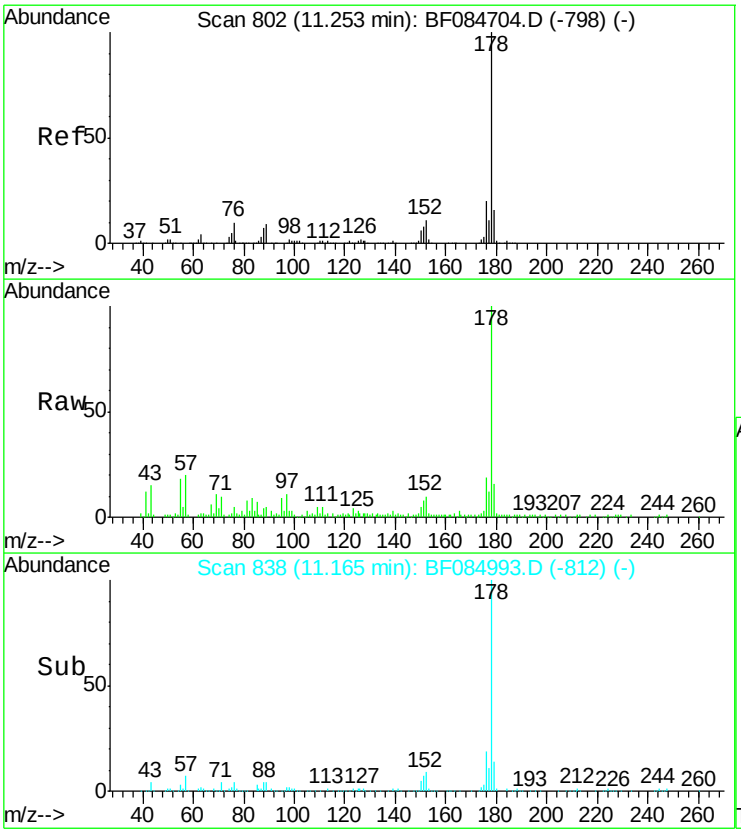
Tgt Ion:188 Resp: 434659

Ion	Ratio	Lower	Upper
188	100		
94	6.1	9.0	13.4#
80	6.0	9.6	14.4#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

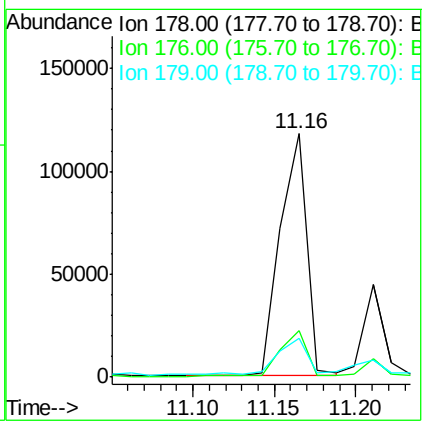
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

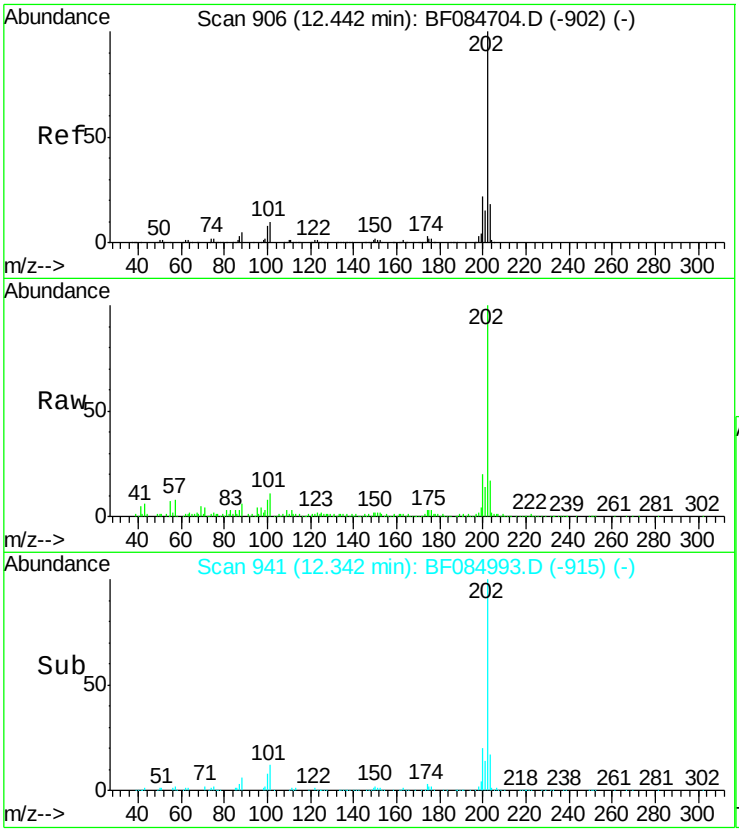


#70
Phenanthrene
Concen: 5.55 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:178 Resp: 133719

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.0	18.0

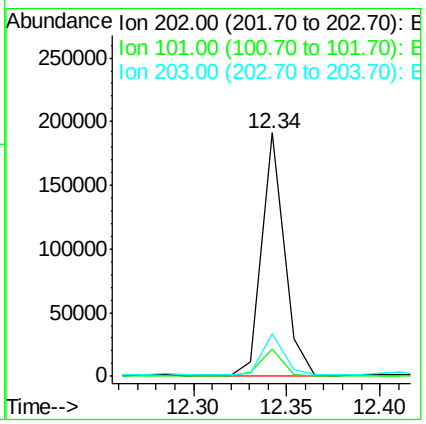




#74
Fluoranthene
Concen: 6.47 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

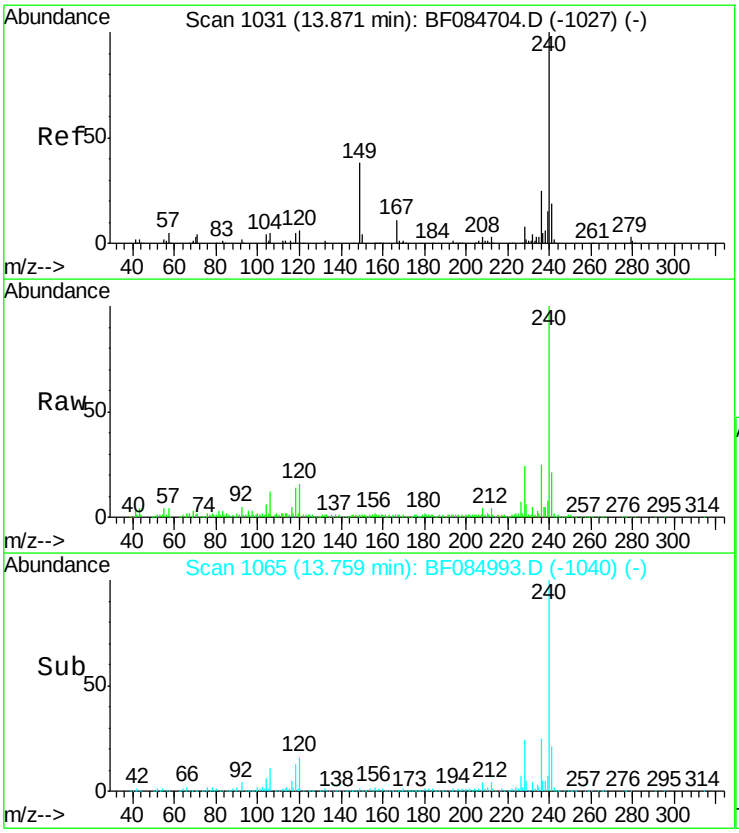
Tgt Ion:202 Resp: 157924

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.8
203	17.5	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

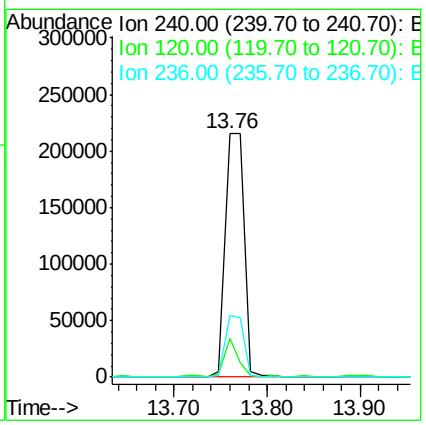
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

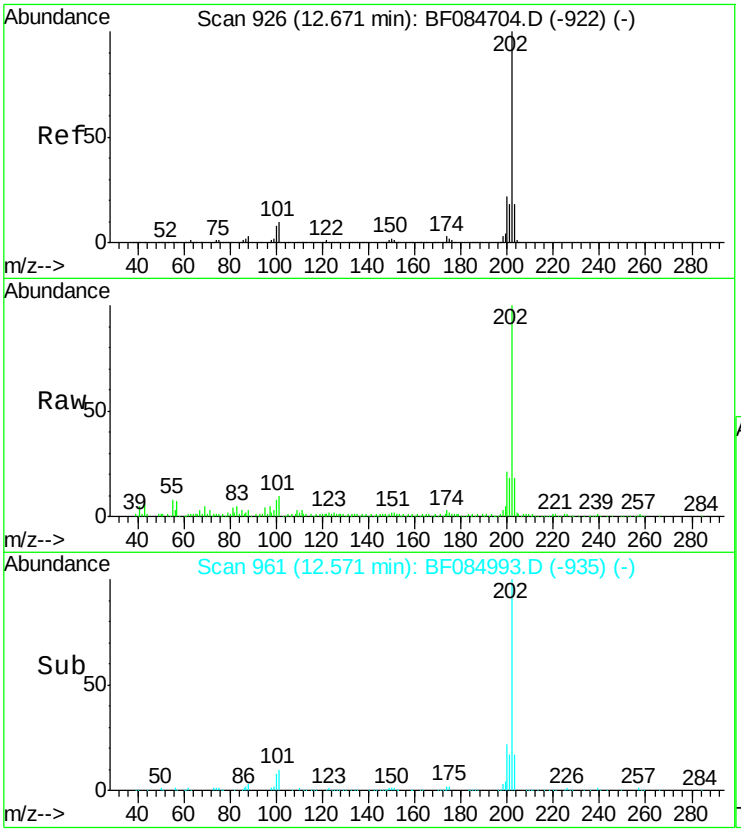


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:240 Resp: 306734

Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.5	14.3#
236	25.3	20.6	31.0

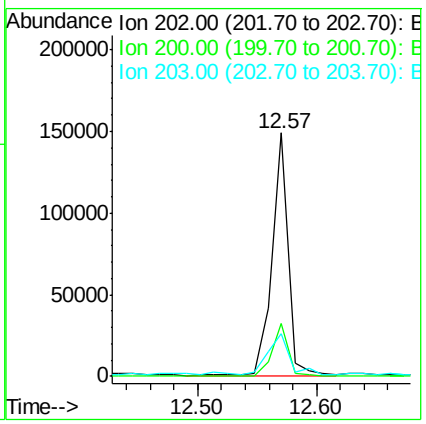




#77
Pyrene
Concen: 6.00 ng
RT: 12.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

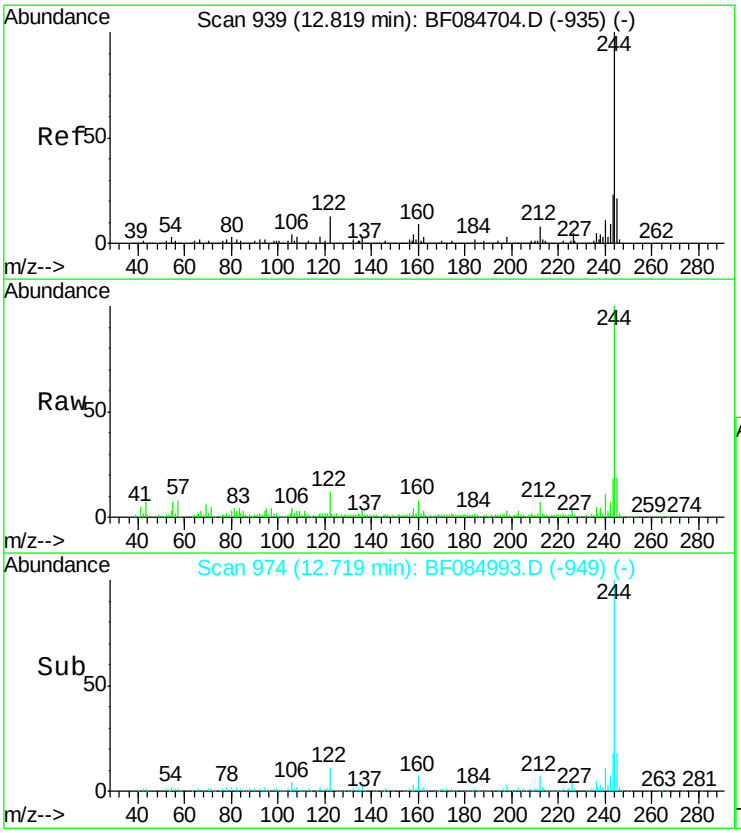
Tgt Ion:202 Resp: 141019

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

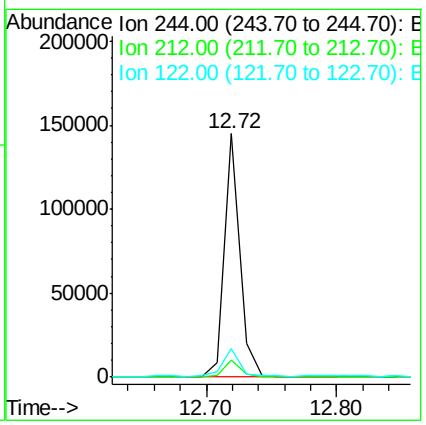
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

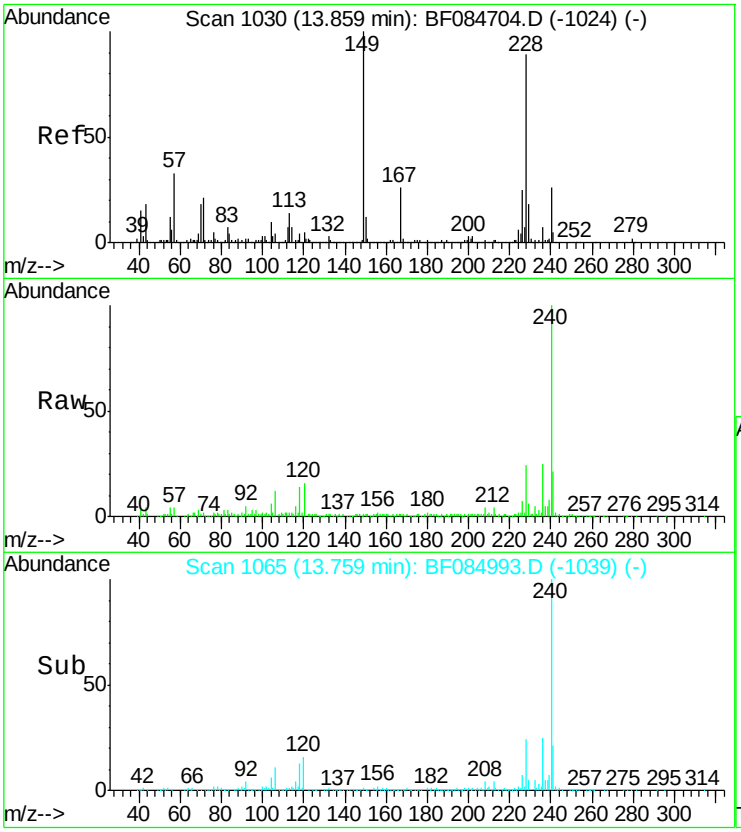


#78
Terphenyl-d14
Concen: 8.88 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:244 Resp: 120178

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.6	7.4	11.0#

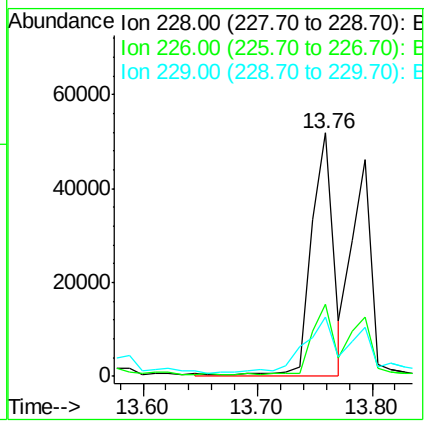




#80
Benzo(a)anthracene
Concen: 3.71 ng m
RT: 13.76 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

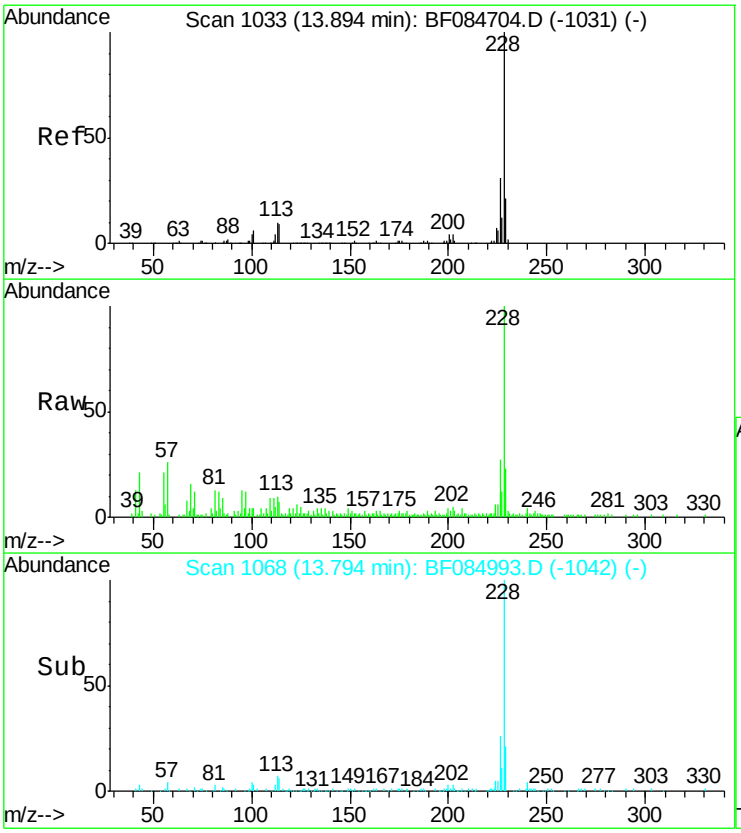
Tgt Ion:228 Resp: 70637

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.8	32.6
229	24.4	15.8	23.8#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

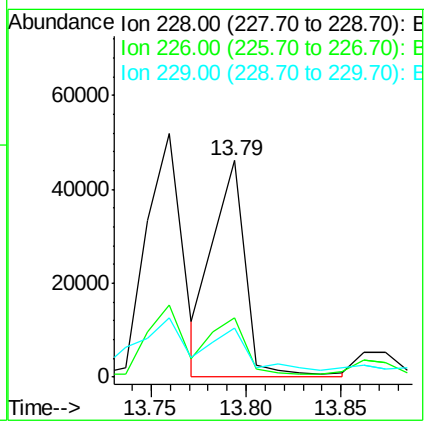
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

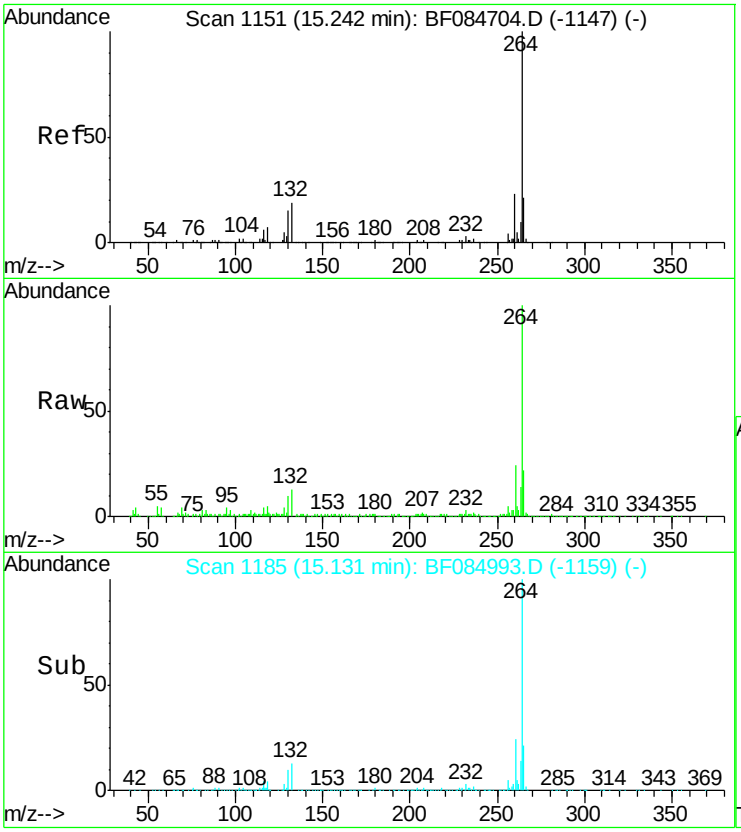


#82
Chrysene
Concen: 3.04 ng m
RT: 13.79 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:228 Resp: 56104

Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.3	36.5
229	22.7	16.1	24.1

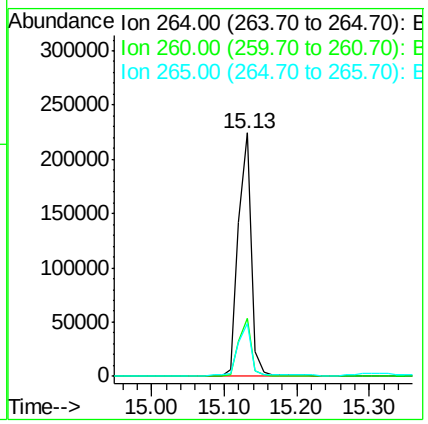




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

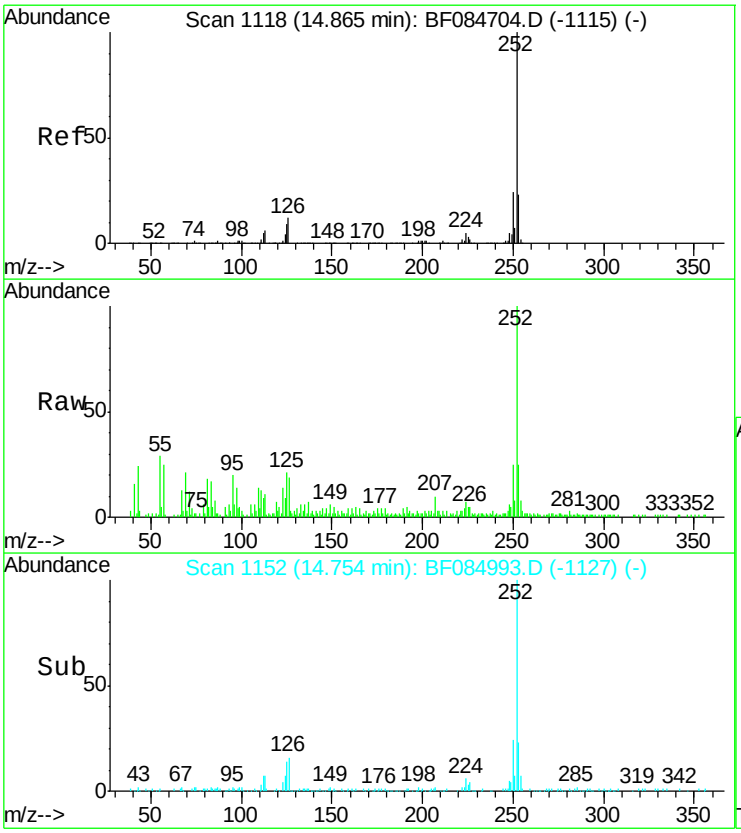
Tgt Ion:264 Resp: 280984

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.8	26.6



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

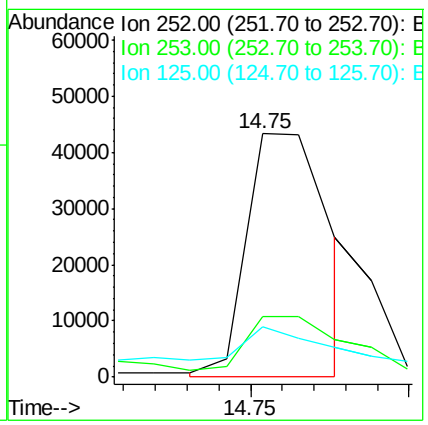
Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM

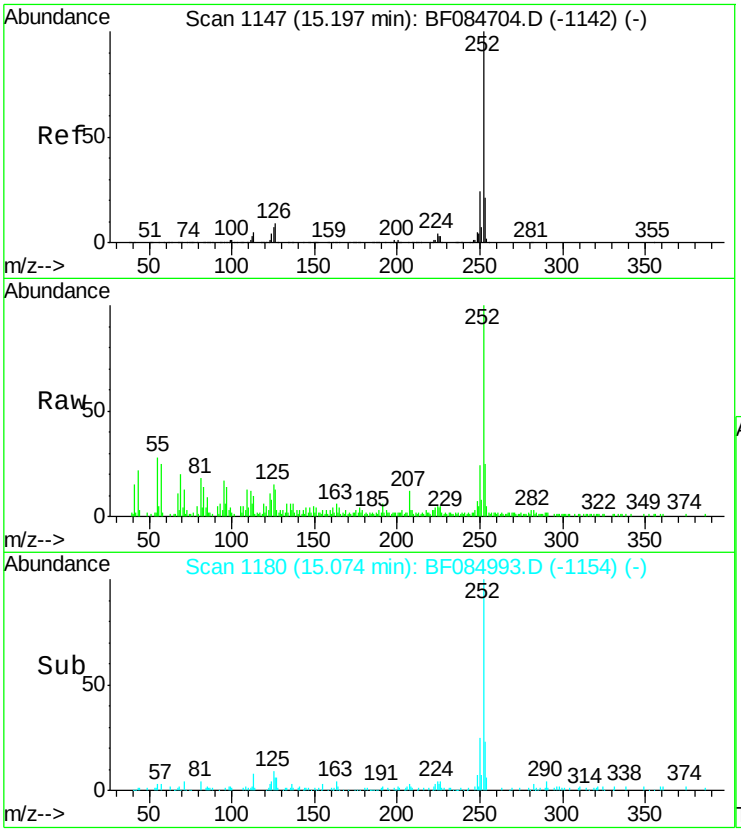


#87
Benzo(b)fluoranthene
Concen: 4.16 ng m
RT: 14.75 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:252 Resp: 78610

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	20.5	6.5	9.7#

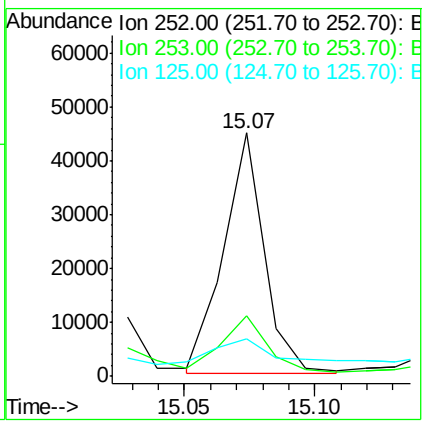




#89
Benzo(a)pyrene
Concen: 3.01 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF084993.D
Acq: 10 Feb 2016 15:16

Tgt Ion:252 Resp: 48420

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.3	25.9
125	15.4	7.0	10.4#



Instrument :
BNA_F
ClientSampleId :
STOCKPILE-7E-(0-2)C

Manual Integrations APPROVED
UMANGI
2/11/2016 10:46:42 AM