Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110282.D
Acq On : 30 Oct 2018 00:27
Operator : JU/SJ
Sample : J5194-09 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 30 12:56:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	118074	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	452094	20.00	ng		0.00
39) Acenaphthene-d10	10.02	164	180127	20.00	ng		0.00
64) Phenanthrene-d10	11.50	188	283795	20.00	ng		0.00
76) Chrysene-d12	14.16	240	196161	20.00	ng		0.00
87) Perylene-d12	15.69	264	137929	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	114864	15.84	ng		0.00
7) Phenol-d6	6.58	99	145896	15.73	ng		-0.01
23) Nitrobenzene-d5	7.53	82	89929	11.80	ng		0.00
42) 2,4,6-Tribromophenol	10.80	330	20882	11.70	ng		0.00
45) 2-Fluorobiphenyl	9.32	172	187957	16.39	ng		0.00
79) Terphenyl-d14	13.09	244	139124	14.75	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.53	178	39045	2.629	ng		97
75) Fluoranthene	12.73	202	70537	4.680	ng		99
78) Pyrene	12.96	202	100222	7.127	ng		97
81) Benzo(a)anthracene	14.14	228	45082	3.875	ng	#	91
83) Chrysene	14.18	228	44580	4.035	ng	#	95
88) Benzo(b)fluoranthene	15.23	252	32804m	4.119	ng		
90) Benzo(a)pyrene	15.63	252	27288	3.723	ng	#	84
92) Benzo(g,h,i)perylene	17.74	276	18082	2.902	ng	#	81

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

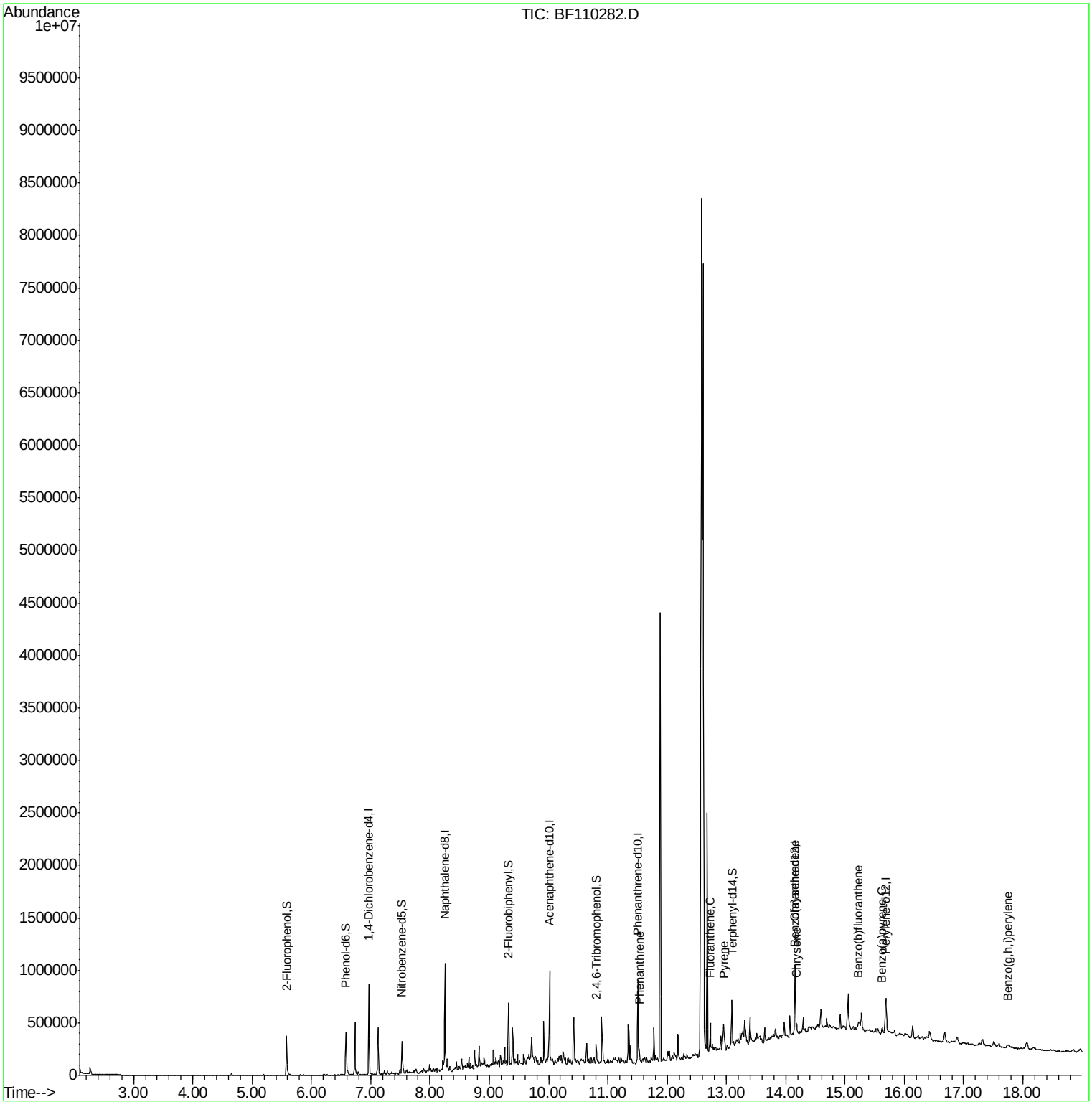
Quantitation Report (LSC Reviewed)

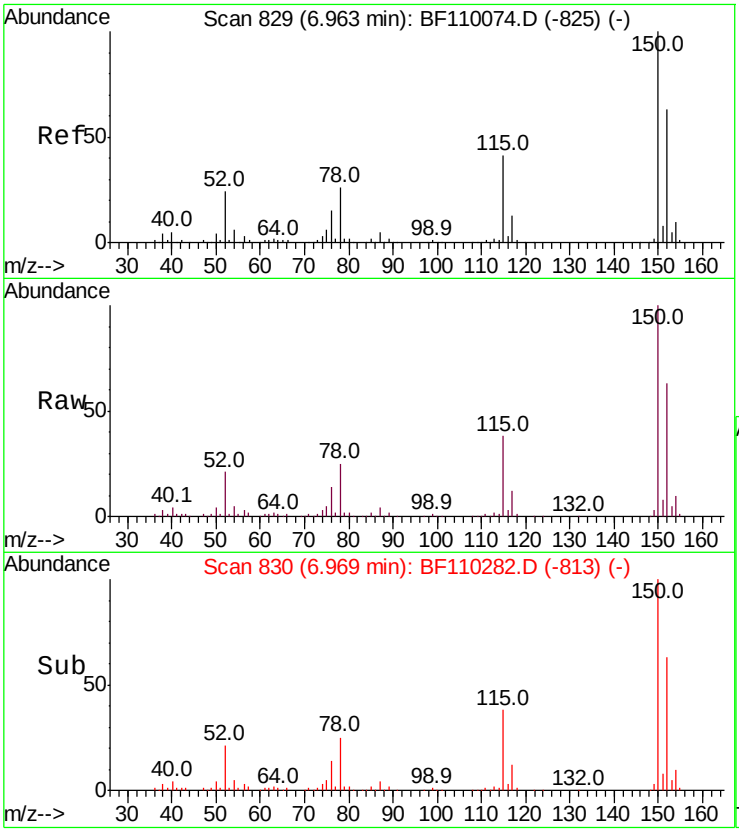
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110282.D
Acq On : 30 Oct 2018 00:27
Operator : JU/SJ
Sample : J5194-09 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 30 12:56:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

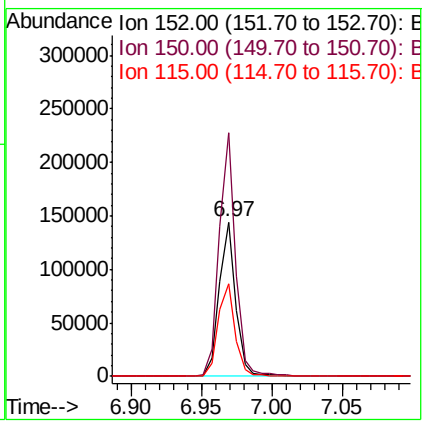




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

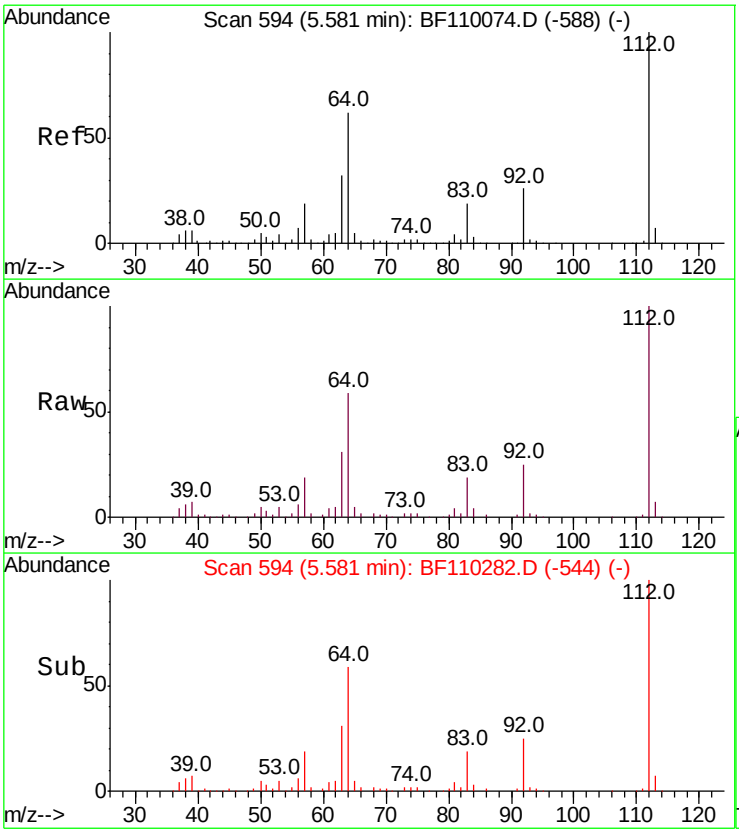
Tgt Ion:152 Resp: 118074

Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	60.3	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

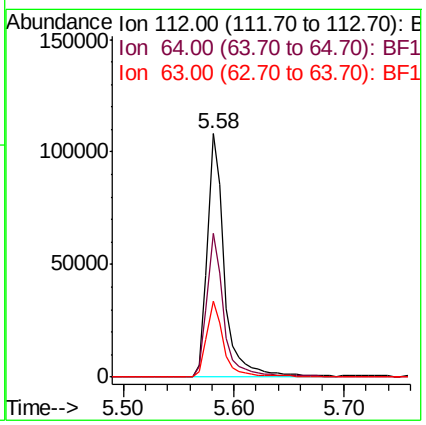
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

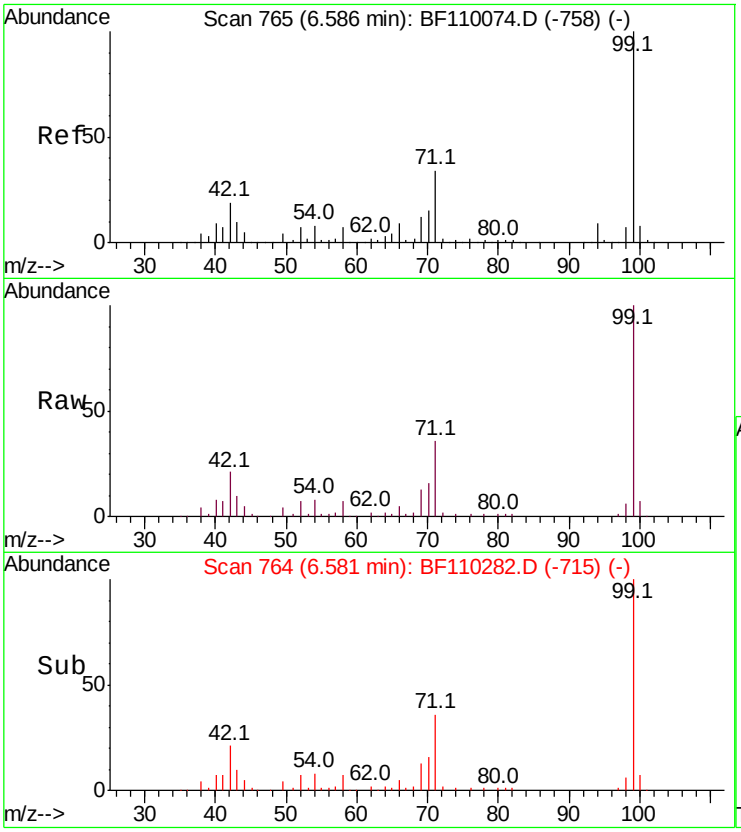


#5
2-Fluorophenol
Concen: 15.842 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:112 Resp: 114864

Ion	Ratio	Lower	Upper
112	100		
64	58.9	44.1	66.1
63	31.4	23.7	35.5

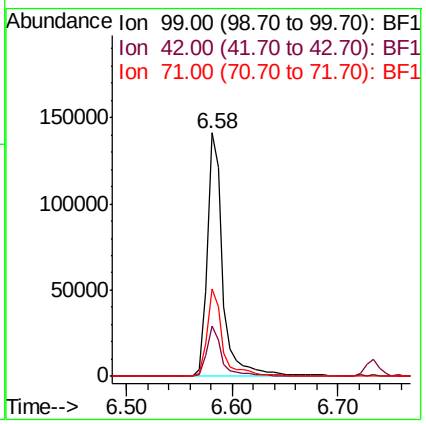




#7
Phenol-d6
Concen: 15.731 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

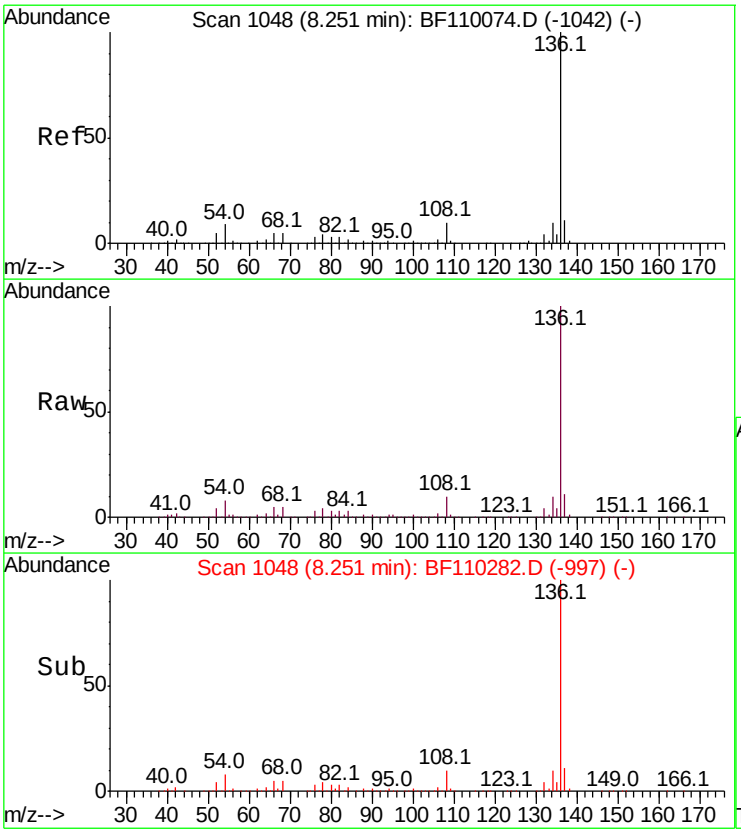
Tgt Ion: 99 Resp: 145896

Ion	Ratio	Lower	Upper
99	100		
42	20.7	15.8	23.6
71	35.9	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

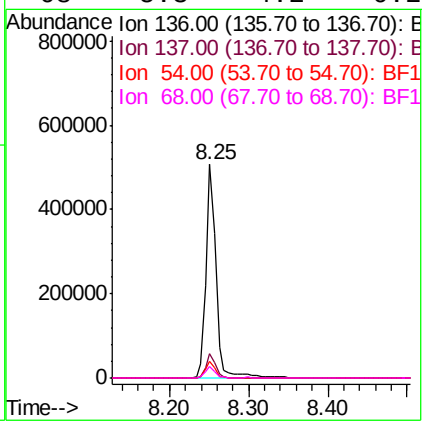
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

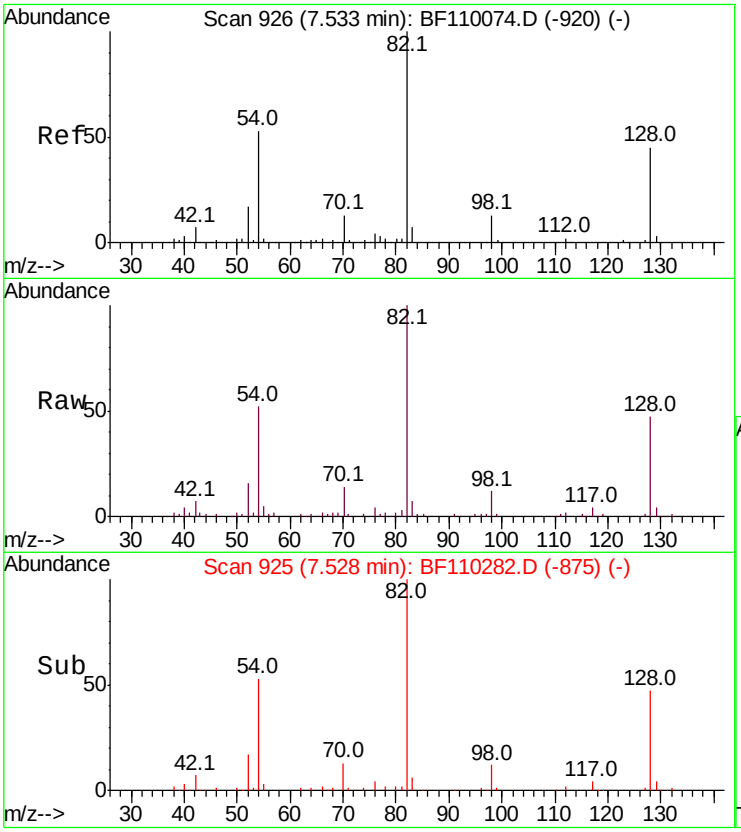


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:136 Resp: 452094

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.9	5.4	8.2
68	5.3	4.2	6.2

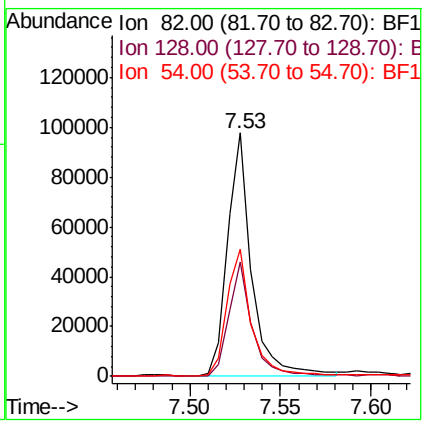




#23
Nitrobenzene-d5
Concen: 11.798 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

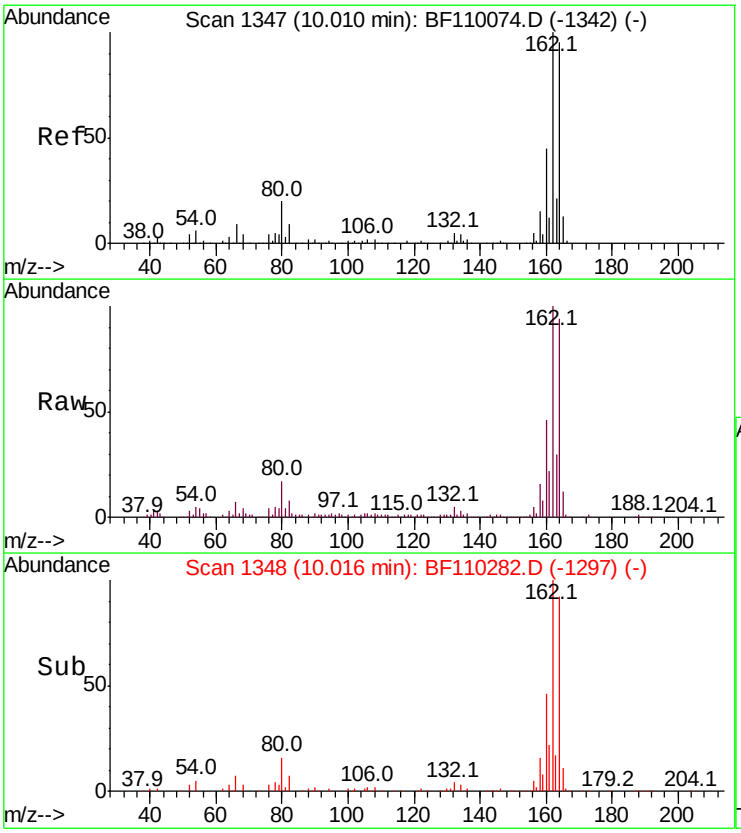
Tgt Ion: 82 Resp: 89929

Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.2	51.2
54	52.4	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

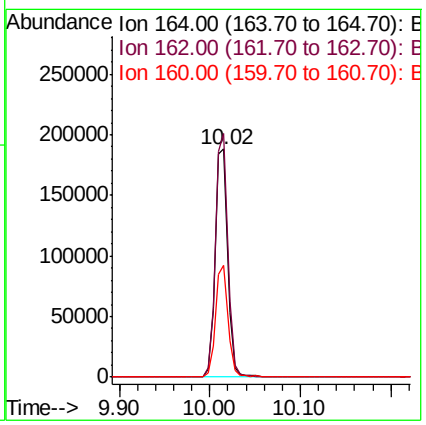
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

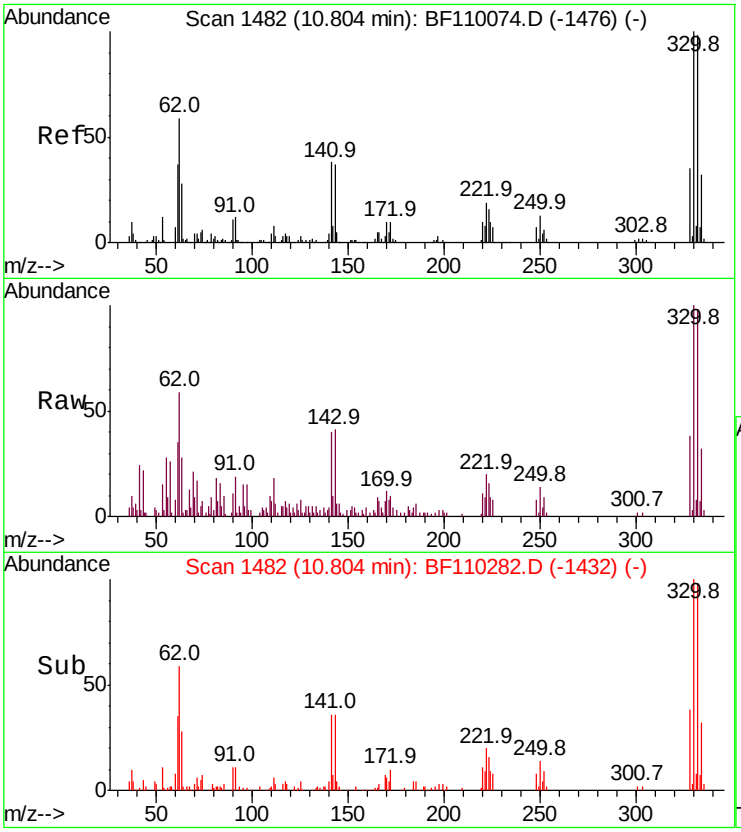


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:164 Resp: 180127

Ion	Ratio	Lower	Upper
164	100		
162	106.8	83.0	124.6
160	49.1	37.0	55.6

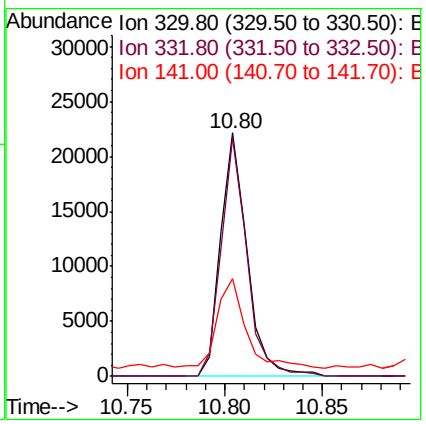




#42
2,4,6-Tribromophenol
Concen: 11.703 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

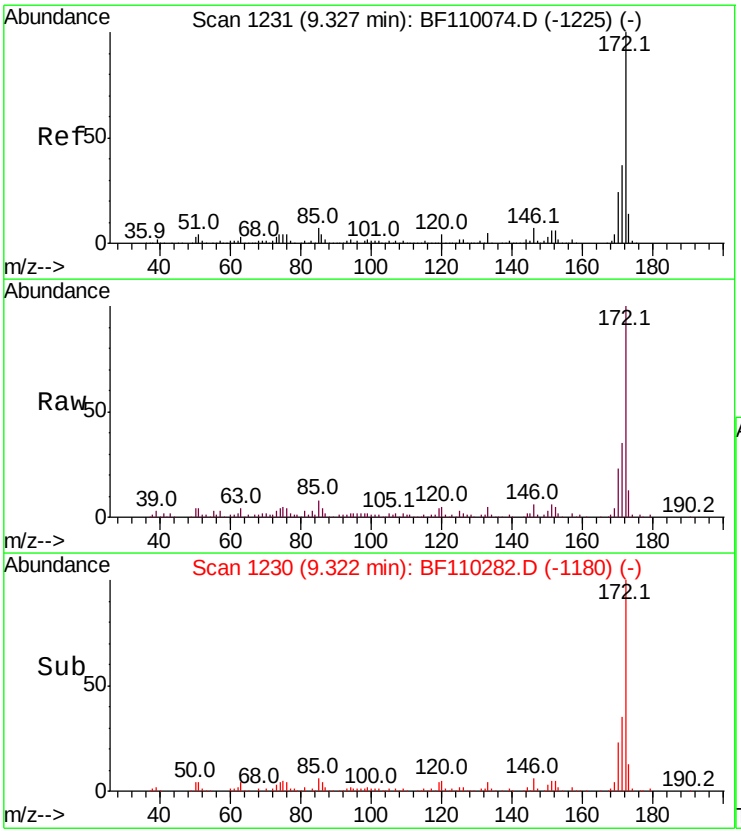
Tgt Ion:330 Resp: 20882

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	40.1	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

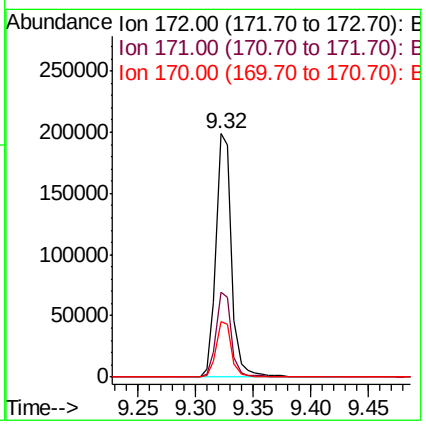
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

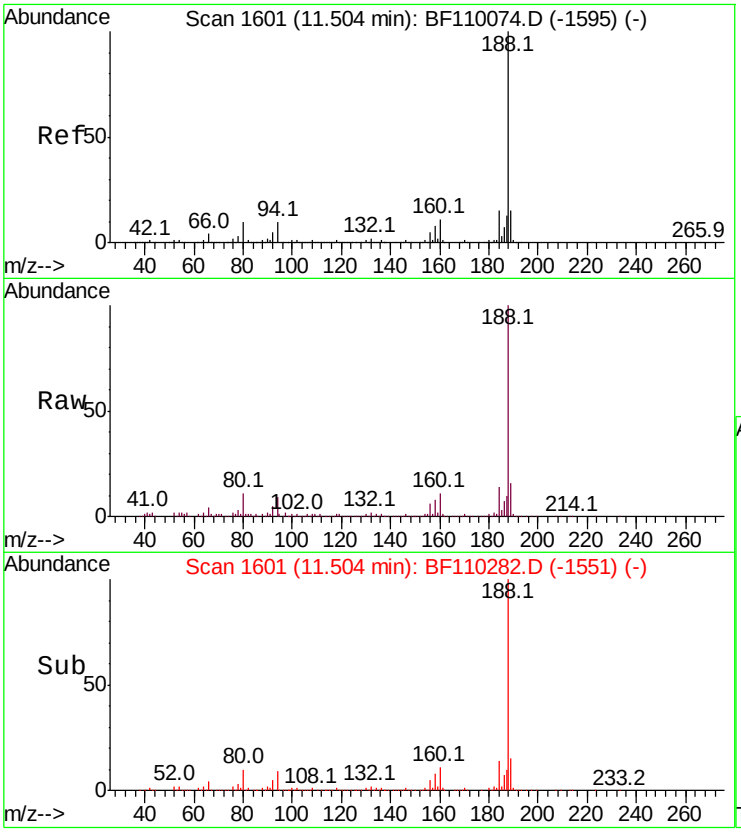


#45
2-Fluorobiphenyl
Concen: 16.385 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:172 Resp: 187957

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	43.0
170	22.9	19.7	29.5

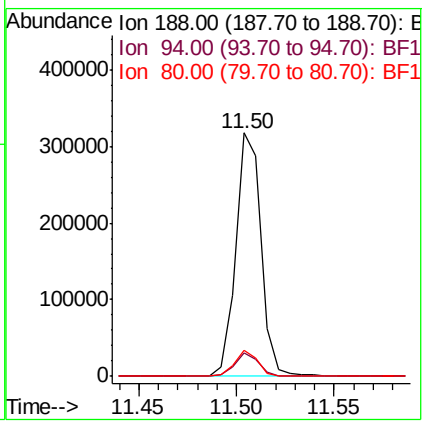




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

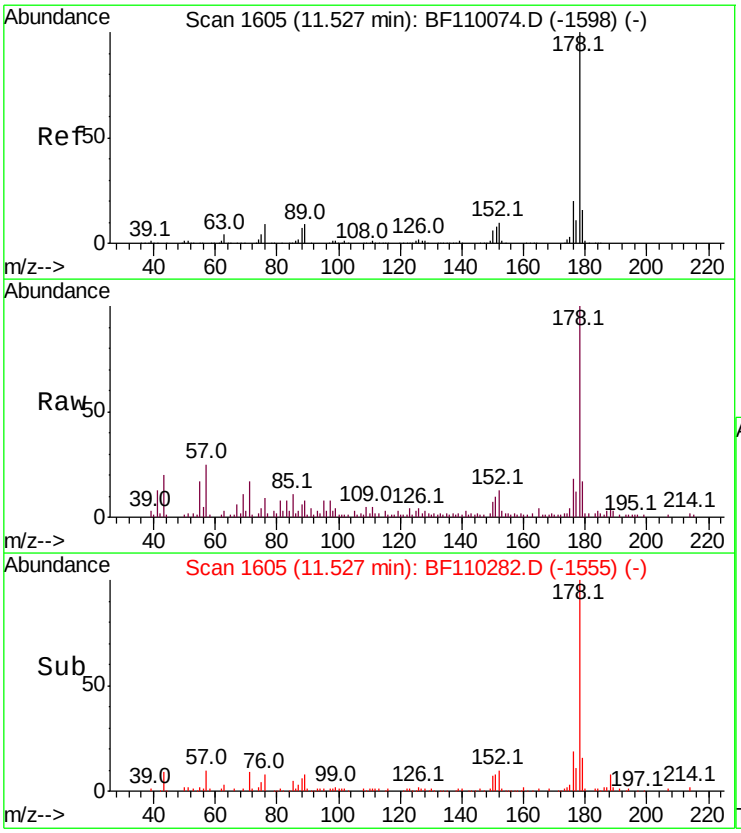
Tgt Ion:188 Resp: 283795

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	10.5	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

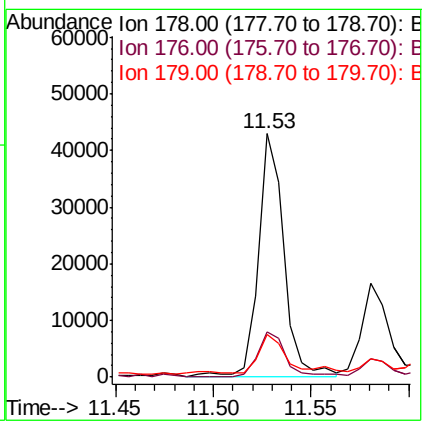
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

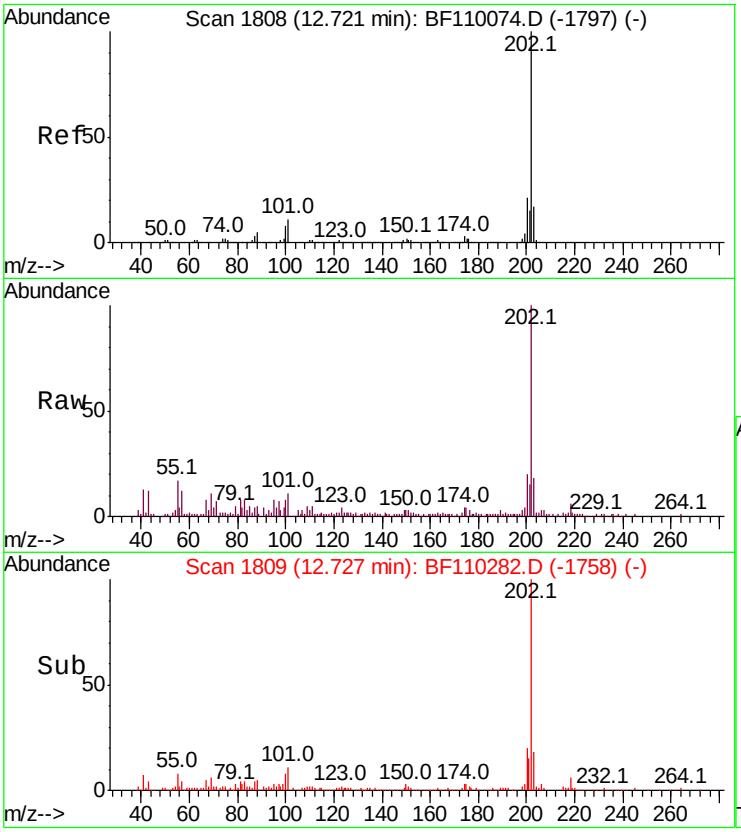


#71
Phenanthrene
Concen: 2.629 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:178 Resp: 39045

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.5	23.3
179	17.3	12.5	18.7

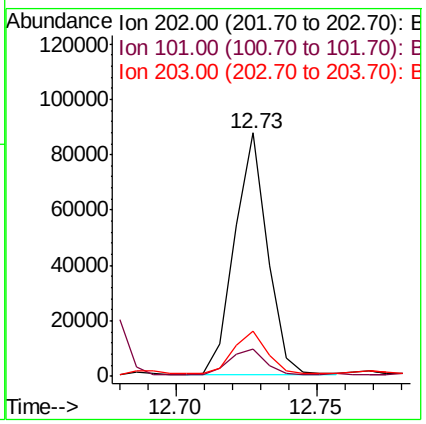




#75
Fluoranthene
Concen: 4.680 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

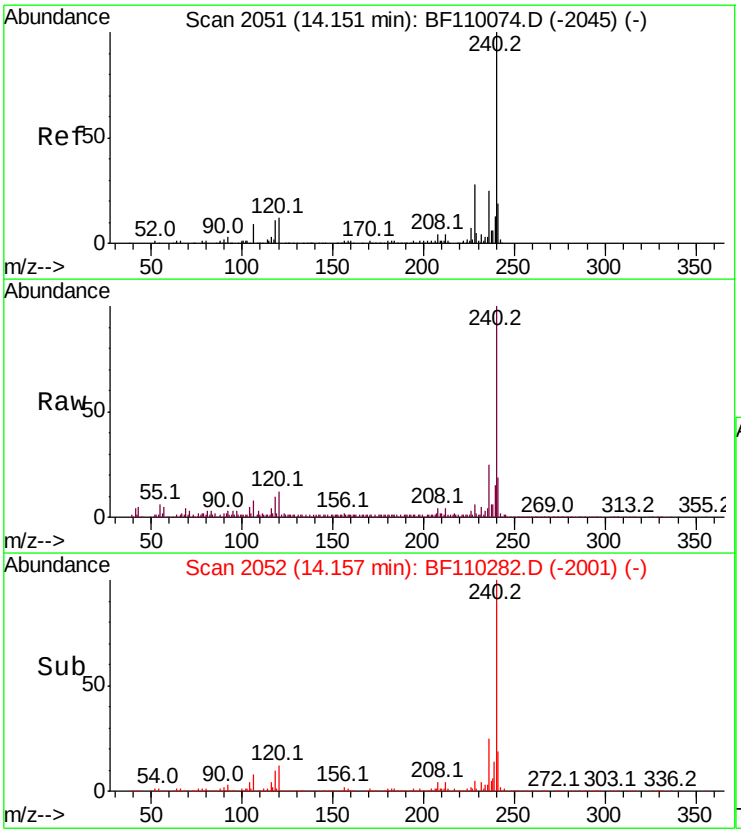
Tgt Ion:202 Resp: 70537

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	18.5	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

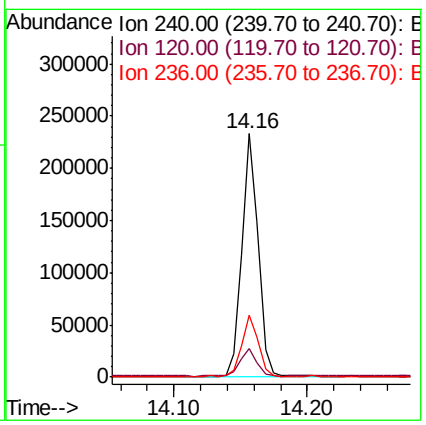
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

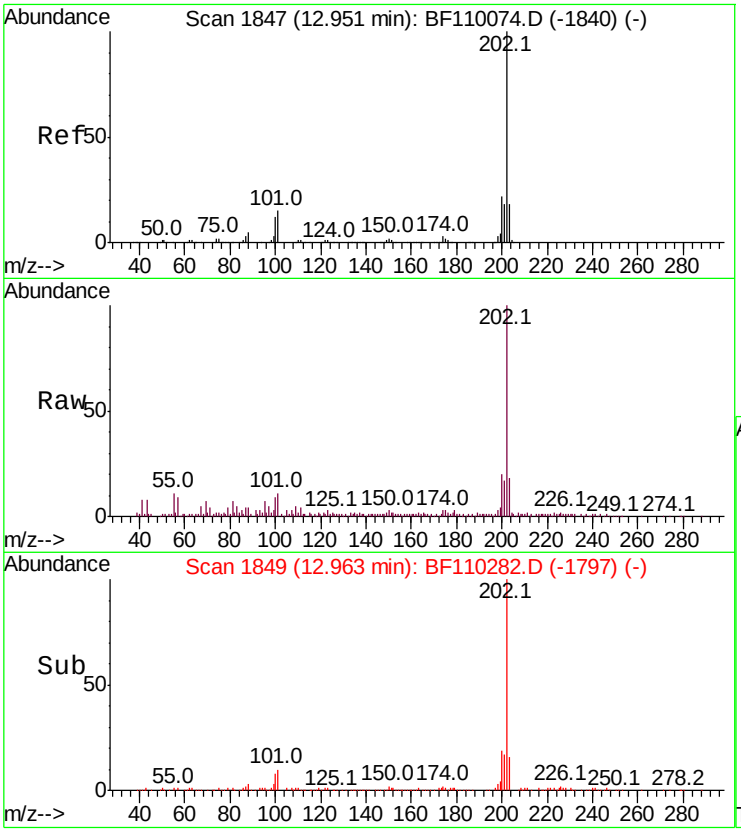


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:240 Resp: 196161

Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.3	12.5
236	25.4	21.2	31.8

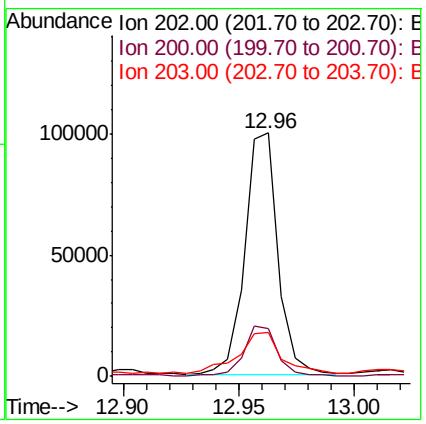




#78
Pyrene
Concen: 7.127 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

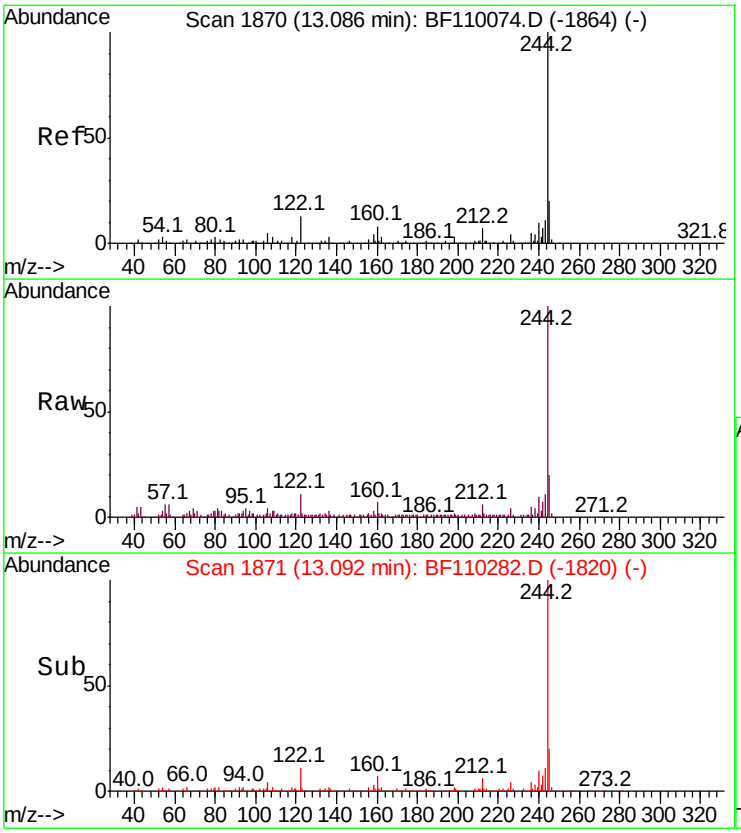
Tgt Ion:202 Resp: 100222

Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.8	26.6
203	17.8	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

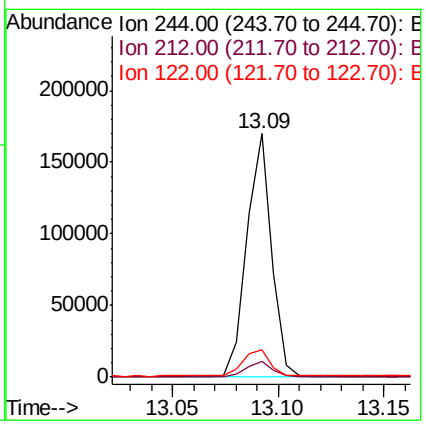
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

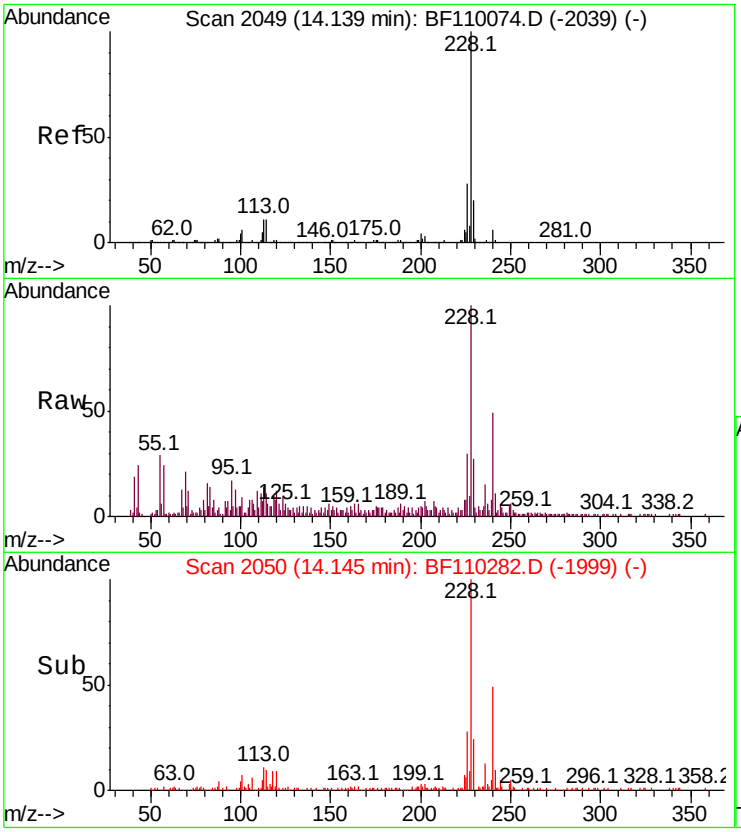


#79
Terphenyl-d14
Concen: 14.750 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:244 Resp: 139124

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	11.0	8.7	13.1





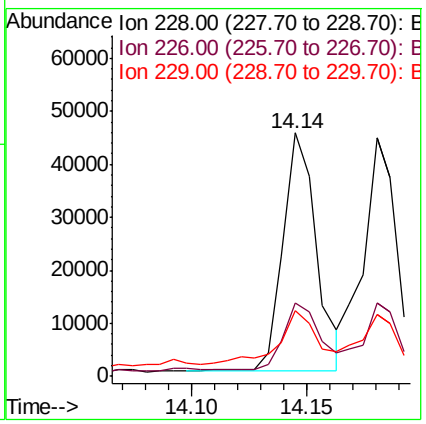
#81
Benzo(a)anthracene
Concen: 3.875 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

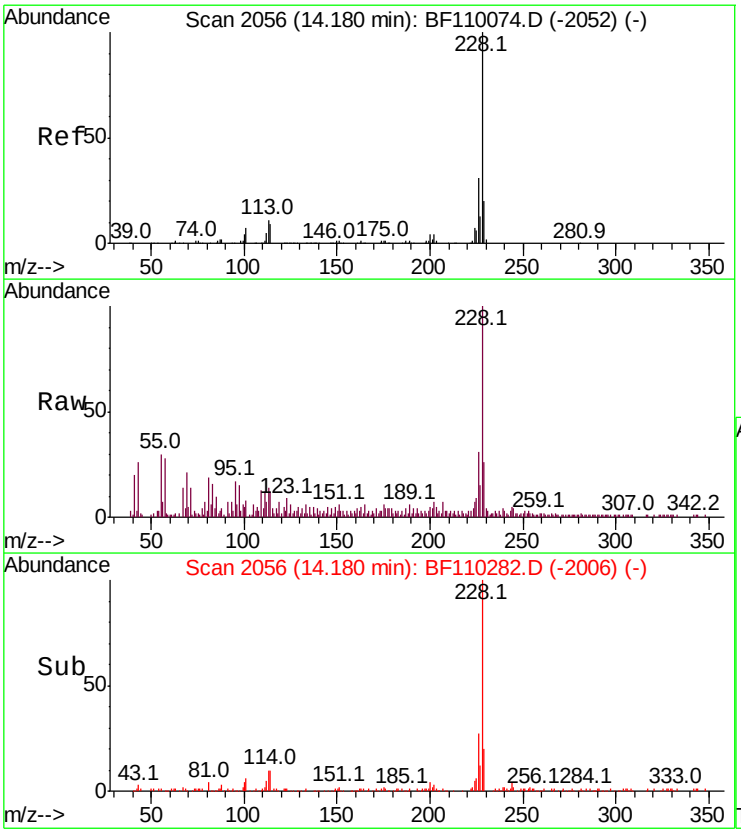
Tgt Ion:228 Resp: 45082

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.1	33.1
229	26.9	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

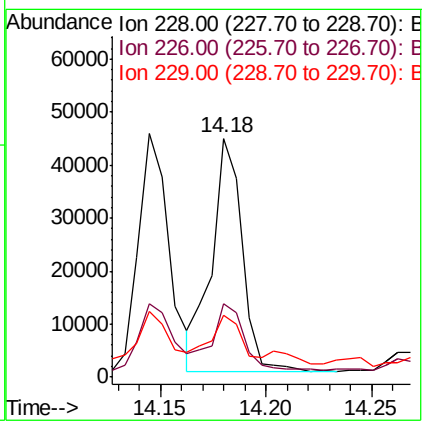


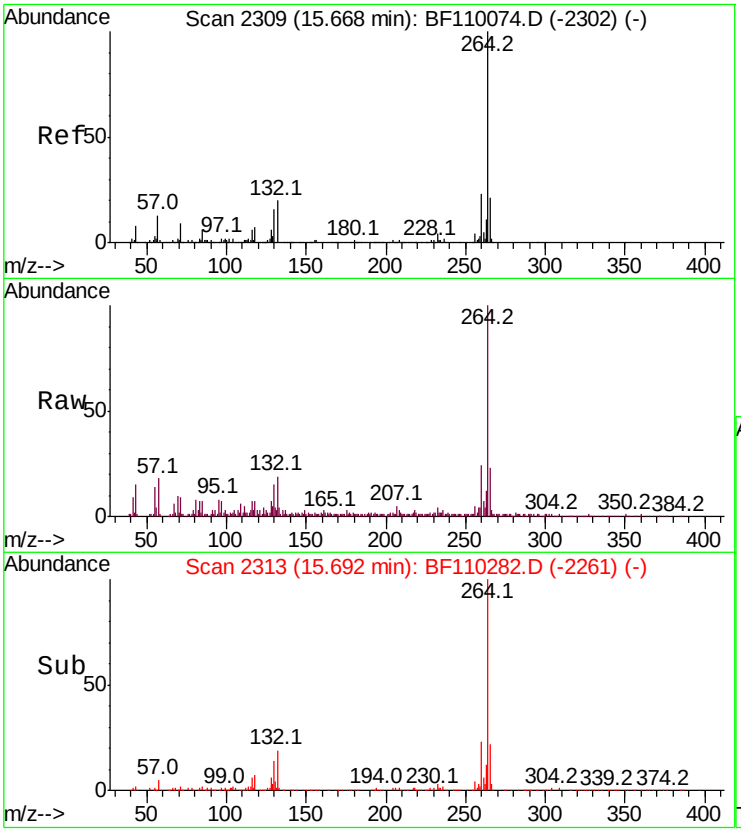


#83
Chrysene
Concen: 4.035 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:228 Resp: 44580

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	25.8	15.9	23.9#

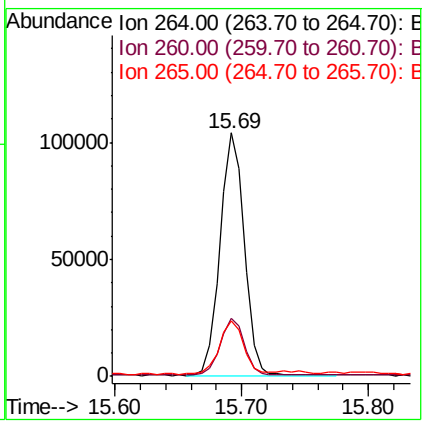




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

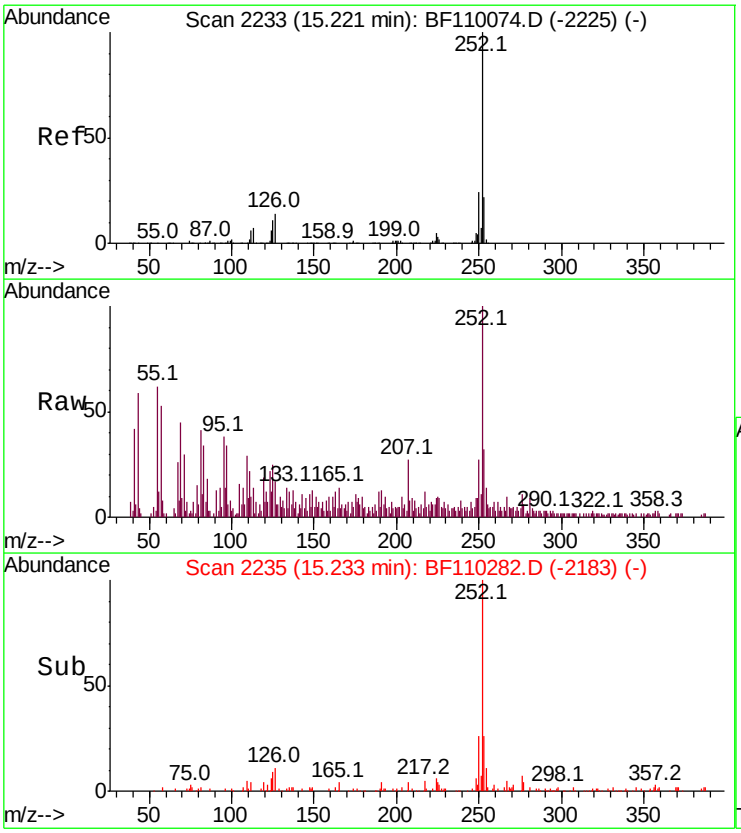
Tgt Ion:264 Resp: 137929

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.8	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

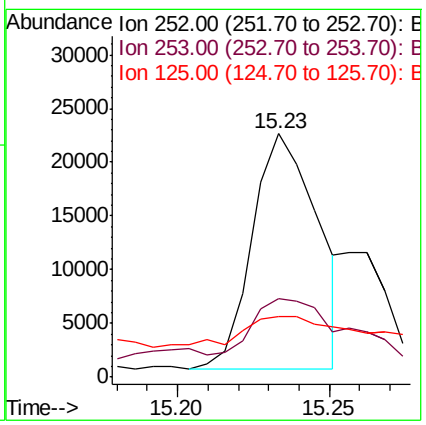
Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM

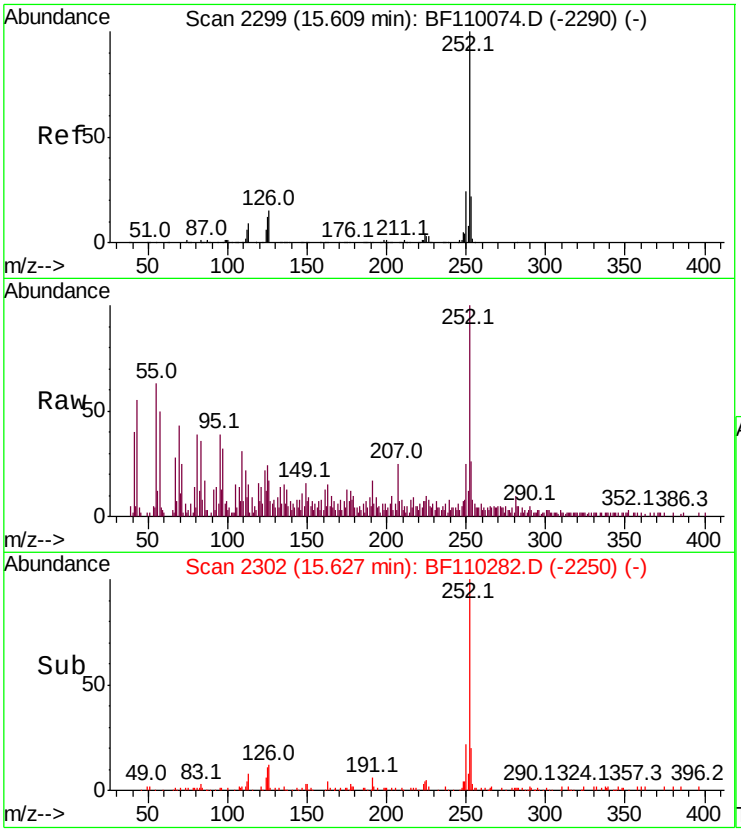


#88
Benzo(b)fluoranthene
Concen: 4.119 ng m
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:252 Resp: 32804

Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.2	25.8#
125	24.9	8.2	12.4#





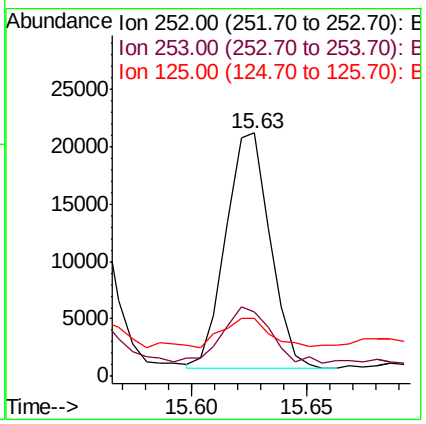
#90
Benzo(a)pyrene
Concen: 3.723 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

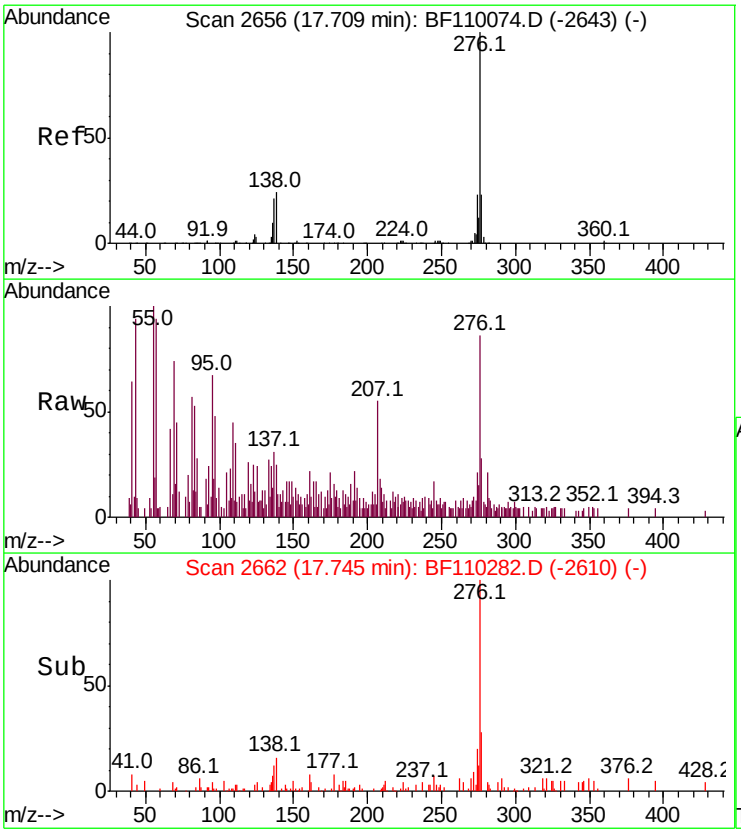
Tgt Ion:252 Resp: 27288

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.2	27.4
125	23.9	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
HR-05-102618-B

Manual Integrations APPROVED
Sohil
10/30/2018 4:42:47 PM





#92
Benzo(g,h,i)perylene
Concen: 2.902 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF110282.D
Acq: 30 Oct 2018 00:27

Tgt Ion:276 Resp: 18082

Ion	Ratio	Lower	Upper
276	100		
277	32.5	18.8	28.2#
138	29.0	16.0	24.0#