Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109805.D
Acq On : 11 Oct 2018 23:52
Operator : JU/SJ
Sample : J5314-05 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

Quant Time: Oct 12 05:50:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	79087	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	337199	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	141894	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	227322	20.00	ng	0.00
75) Chrysene-d12	13.83	240	224223	20.00	ng	0.00
86) Perylene-d12	15.23	264	200210	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	198484	44.55	ng	-0.01
7) Phenol-d6	6.34	99	295621	49.67	ng	-0.02
23) Nitrobenzene-d5	7.26	82	193575	31.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	54845	35.47	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	345666	33.55	ng	-0.01
78) Terphenyl-d14	12.77	244	250908	21.66	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.45	163	35223	3.385	ng	99
70) Phenanthrene	11.22	178	110308	9.696	ng	98
71) Anthracene	11.28	178	44010	3.742	ng	97
74) Fluoranthene	12.40	202	220768	18.576	ng	98
77) Pyrene	12.63	202	206811	12.589	ng	98
80) Benzo(a)anthracene	13.82	228	133652	10.801	ng	98
82) Chrysene	13.85	228	107226	8.250	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	45442	4.885	ng	93
87) Benzo(b)fluoranthene	14.84	252	132518m	11.977	ng	
88) Benzo(k)fluoranthene	14.86	252	59812m	5.380	ng	
89) Benzo(a)pyrene	15.17	252	97151	9.676	ng	98
91) Benzo(g,h,i)perylene	16.98	276	44842	5.446	ng	99

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

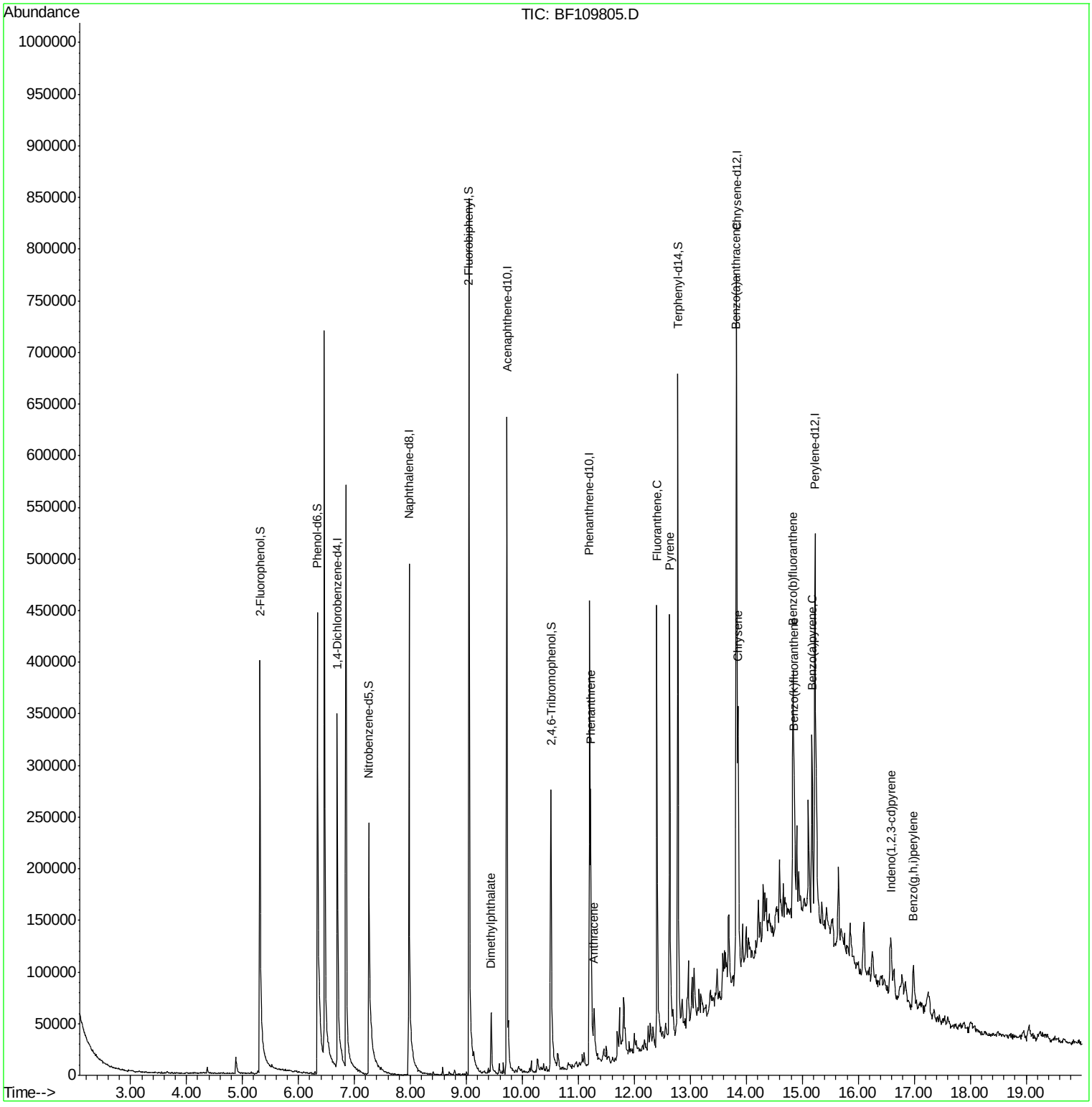
Quantitation Report (QT/LSC Reviewed)

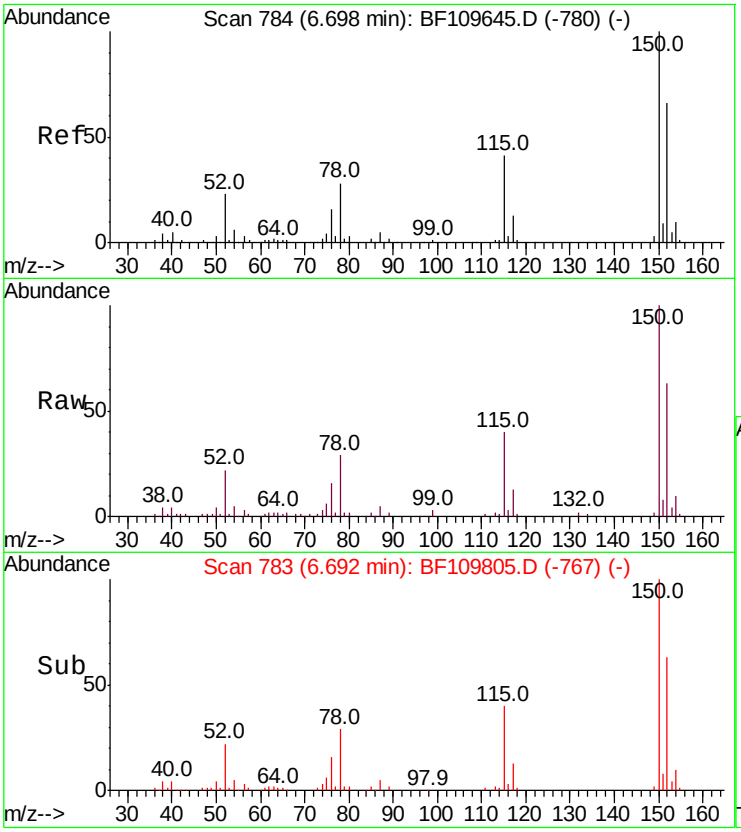
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109805.D
Acq On : 11 Oct 2018 23:52
Operator : JU/SJ
Sample : J5314-05 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 12 05:50:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

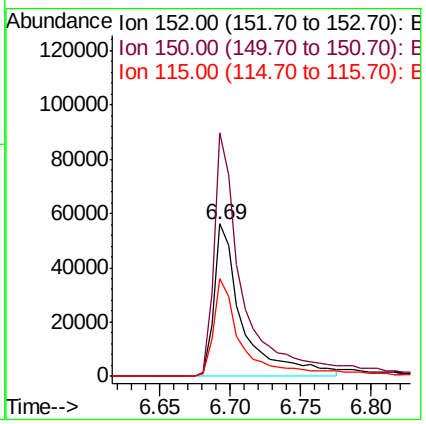




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

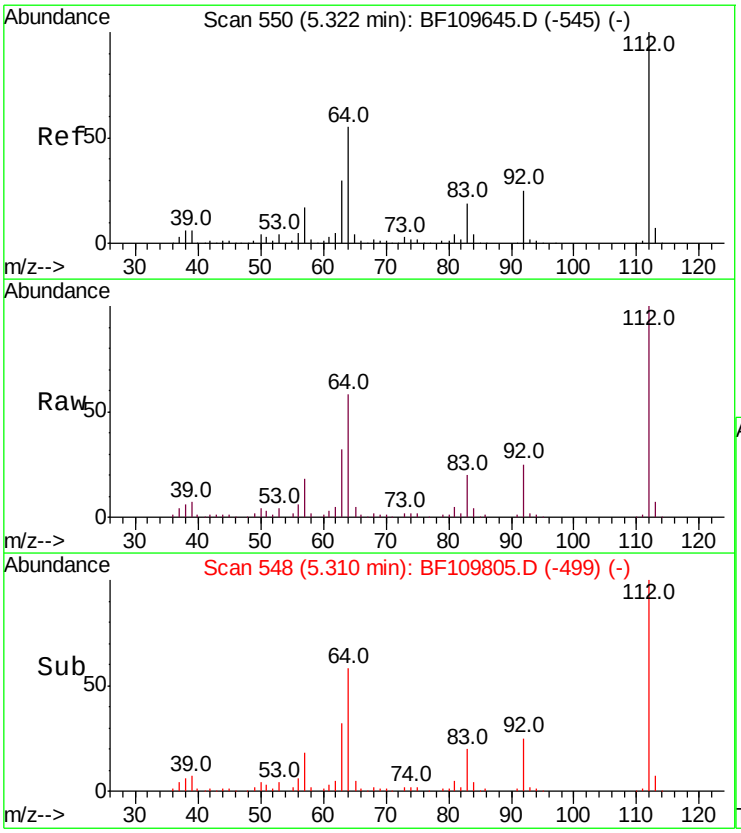
Tgt Ion:152 Resp: 79087

Ion	Ratio	Lower	Upper
152	100		
150	159.5	122.7	184.1
115	63.8	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

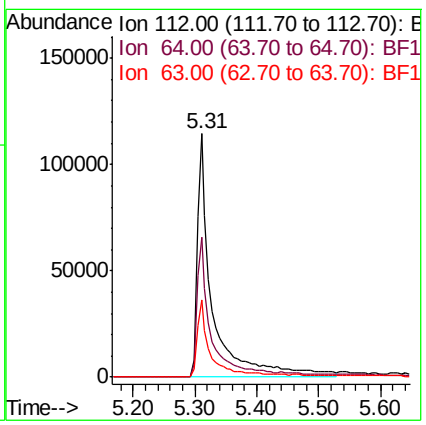
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

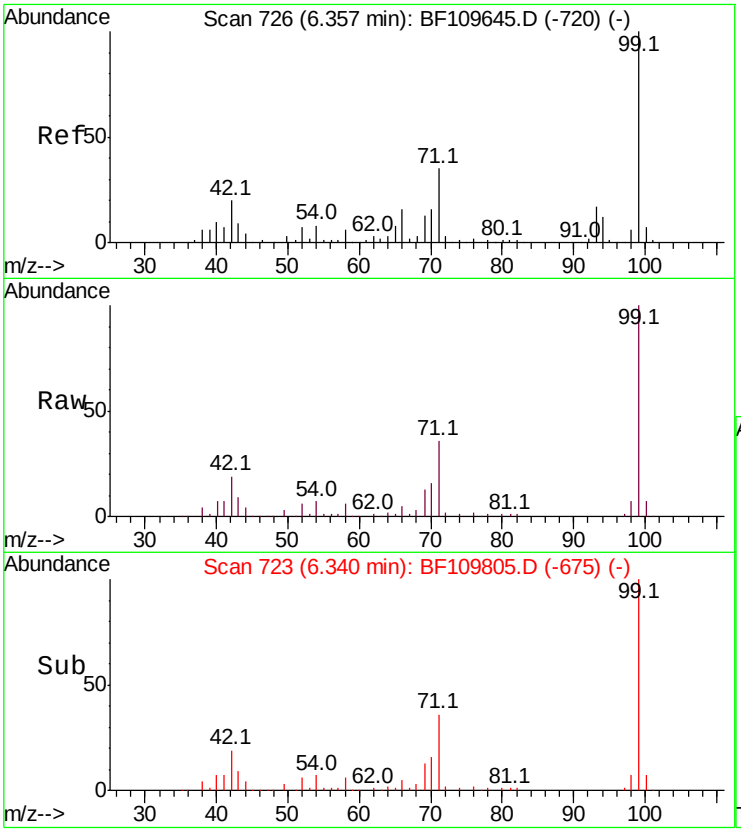


#5
2-Fluorophenol
Concen: 44.548 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:112 Resp: 198484

Ion	Ratio	Lower	Upper
112	100		
64	57.6	44.1	66.1
63	31.5	23.7	35.5

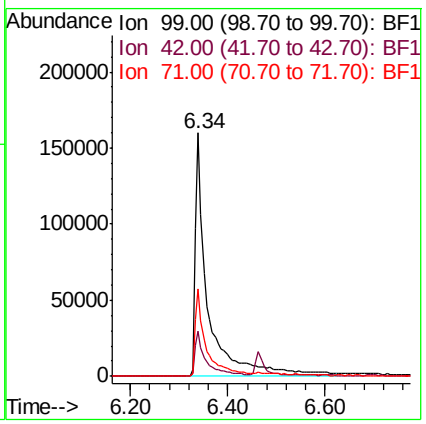




#7
Phenol-d6
Concen: 49.667 ng
RT: 6.34 min Scan# 723
Delta R.T. -0.02 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

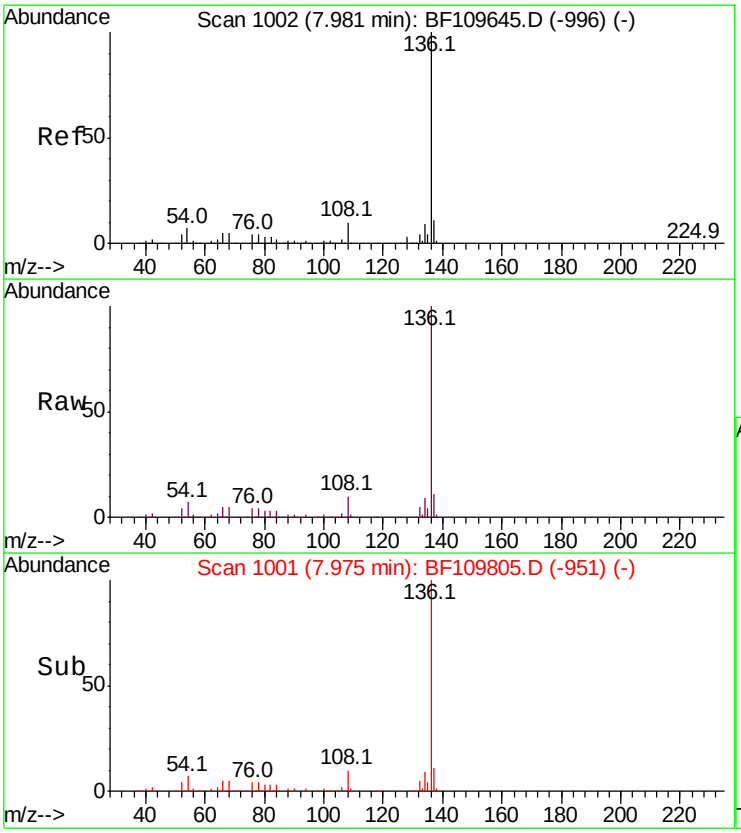
Tgt Ion: 99 Resp: 295621

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.8	23.6
71	36.1	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

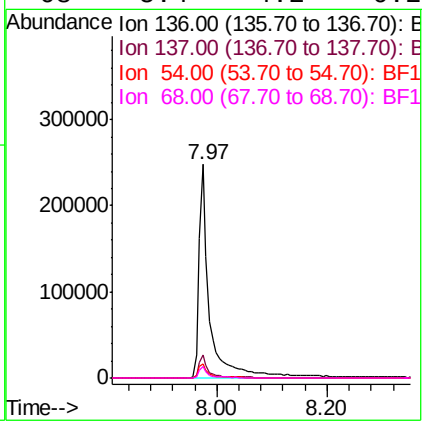
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

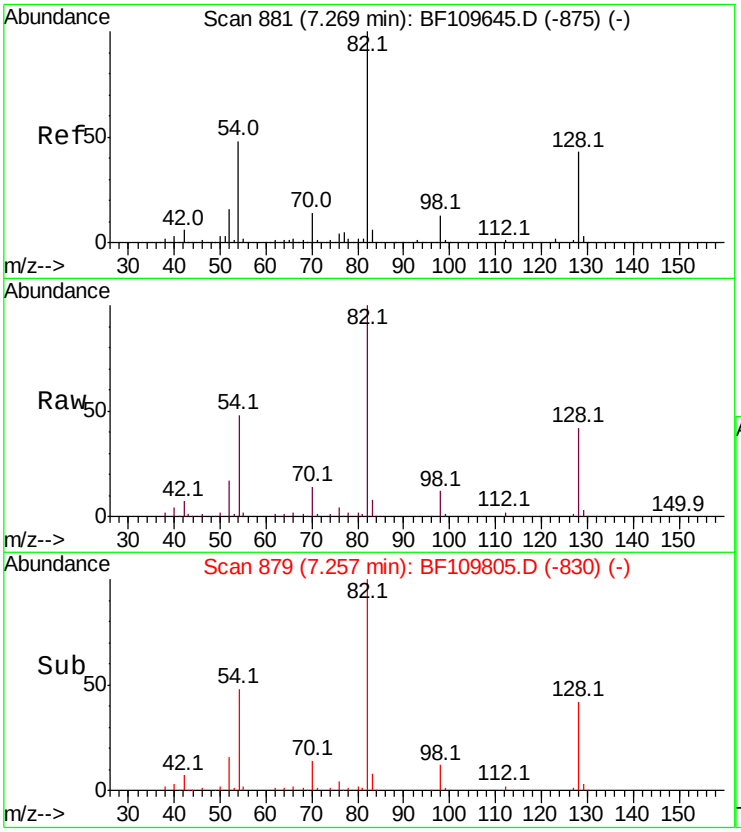


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:136 Resp: 337199

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.4	8.2
68	5.4	4.2	6.2

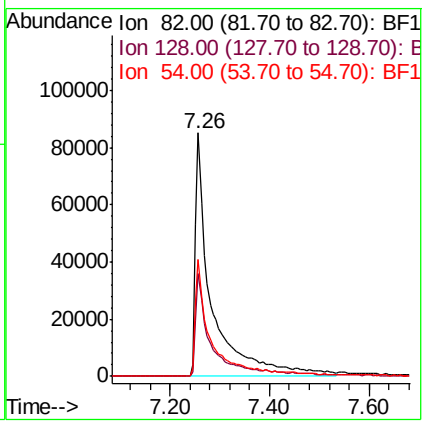




#23
Nitrobenzene-d5
Concen: 31.645 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

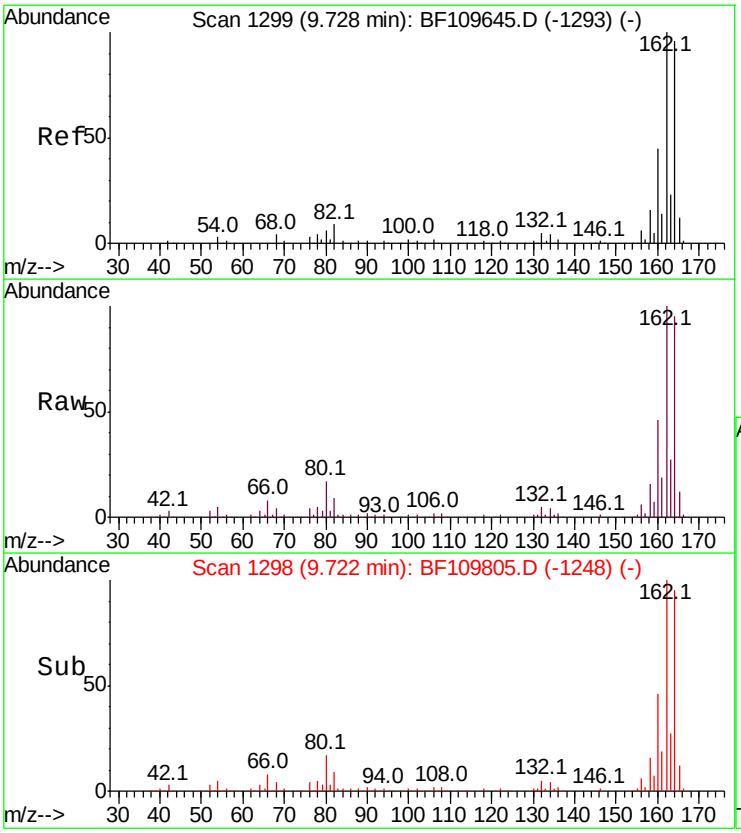
Tgt Ion: 82 Resp: 193575

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.2	51.2
54	48.1	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

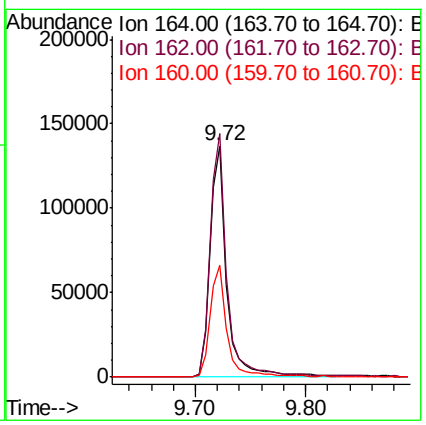
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

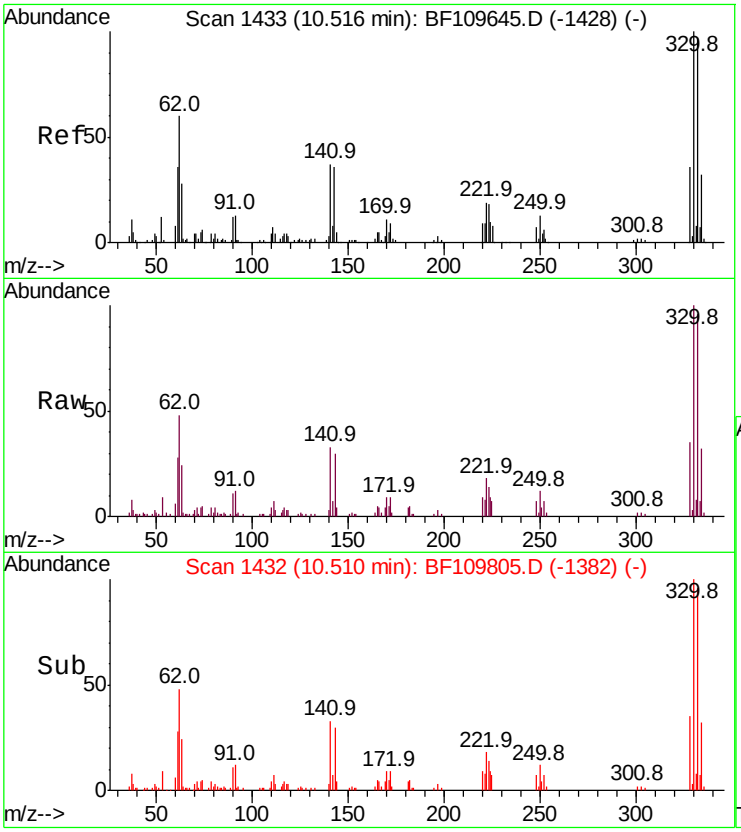


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:164 Resp: 141894

Ion	Ratio	Lower	Upper
164	100		
162	105.3	83.0	124.6
160	48.5	37.0	55.6

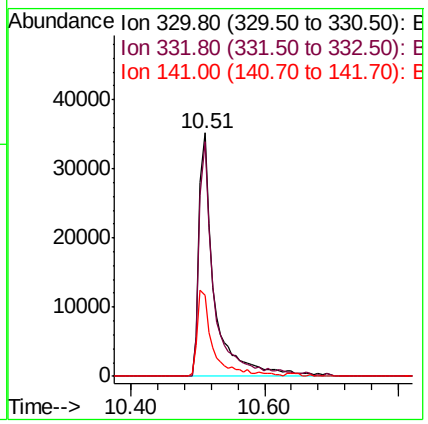




#41
2,4,6-Tribromophenol
Concen: 35.473 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

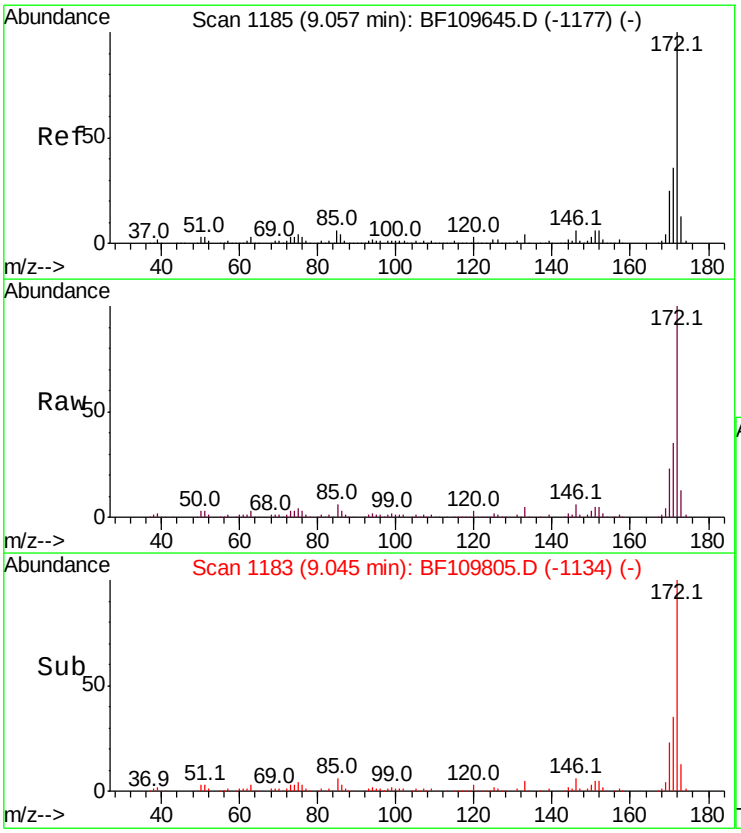
Tgt Ion:330 Resp: 54845

Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.1	115.7
141	34.1	27.0	40.4



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

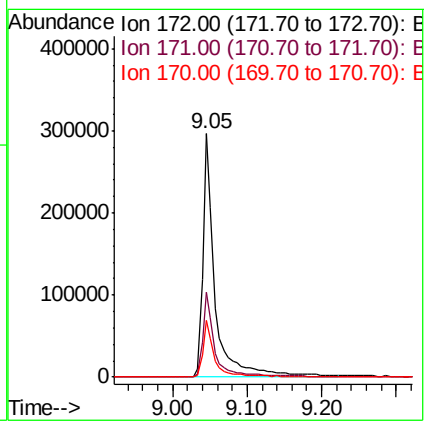
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

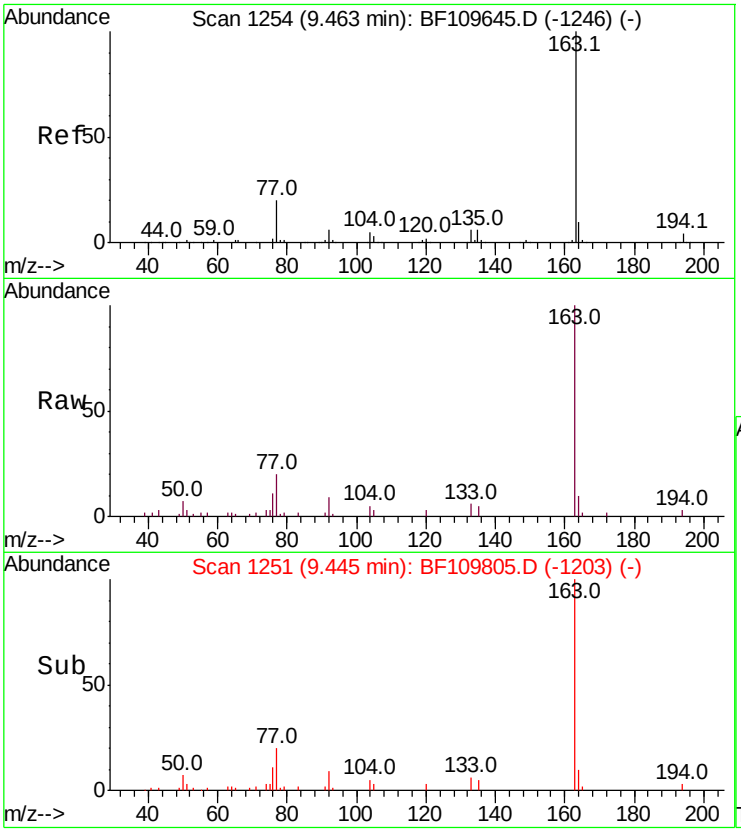


#44
2-Fluorobiphenyl
Concen: 33.551 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:172 Resp: 345666

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	43.0
170	23.4	19.7	29.5

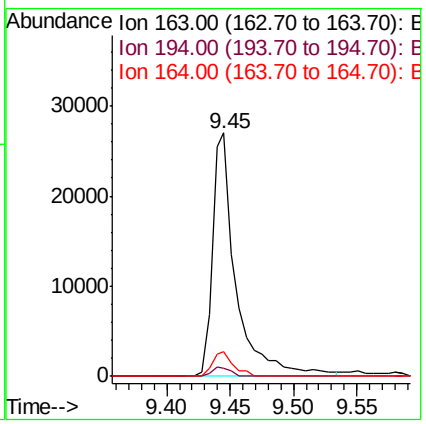




#49
Dimethylphthalate
Concen: 3.385 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

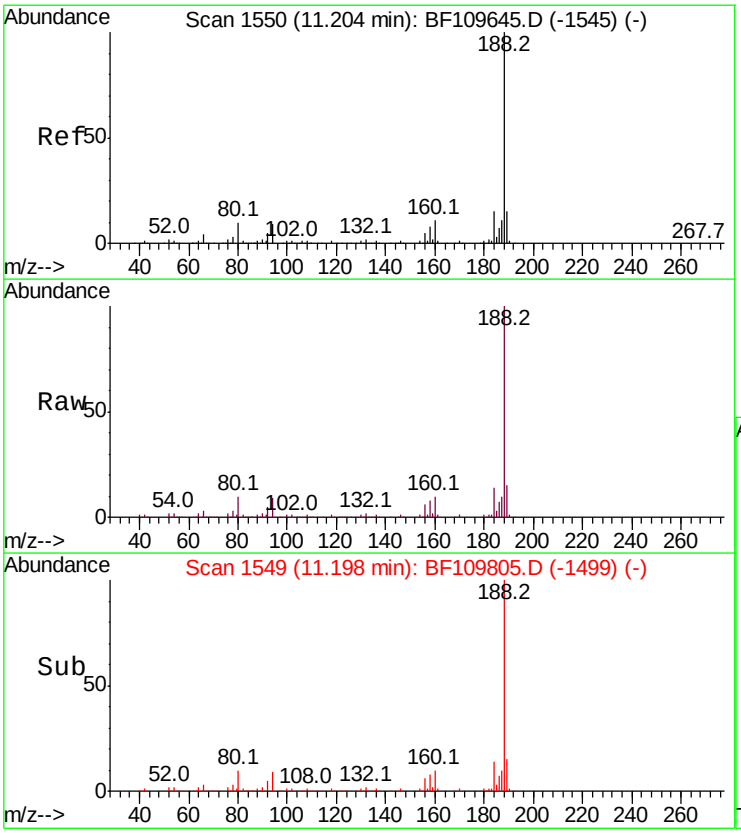
Tgt Ion:163 Resp: 35223

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.2	4.8
164	10.2	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

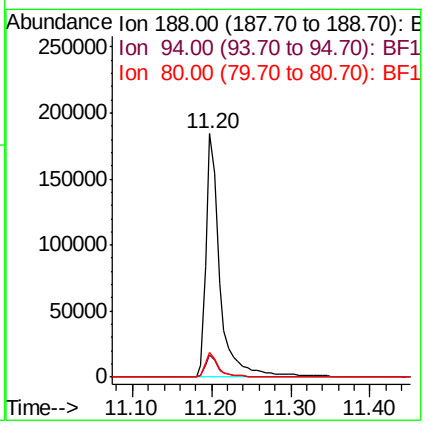
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

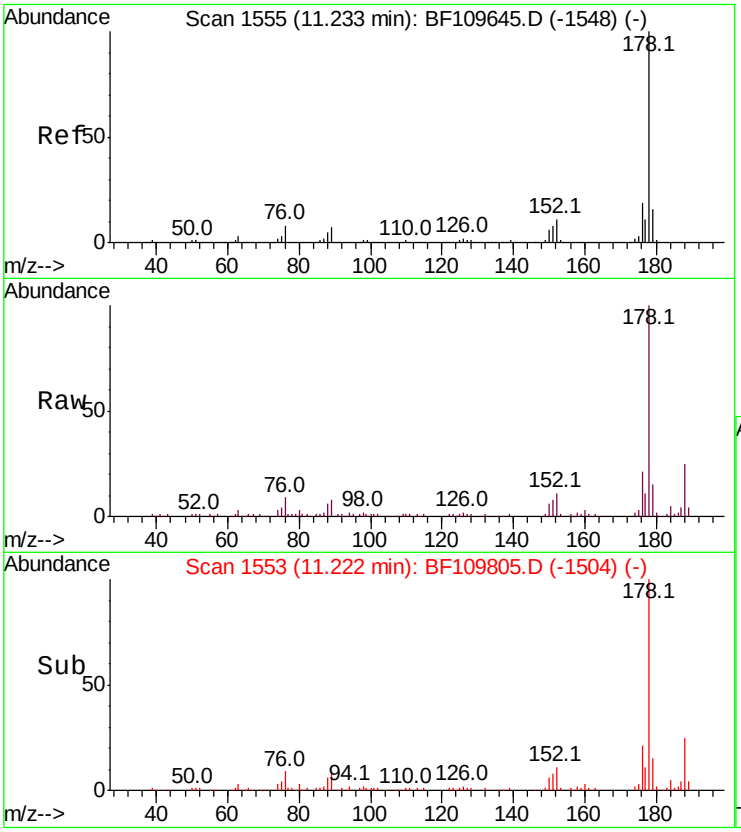


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:188 Resp: 227322

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.0	7.9	11.9

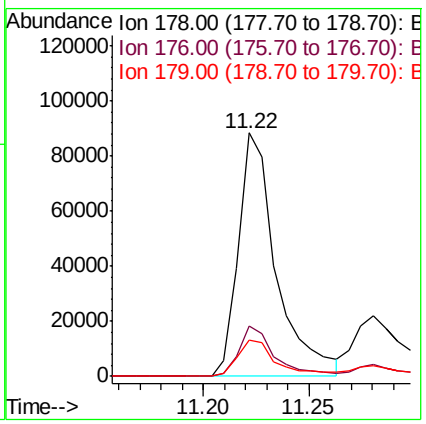




#70
Phenanthrene
Concen: 9.696 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

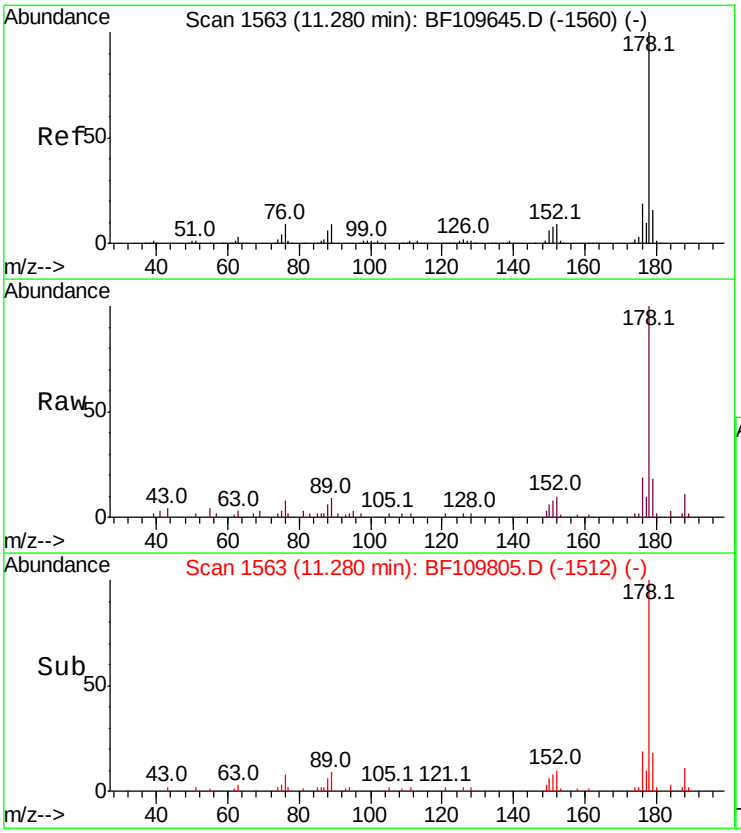
Tgt Ion:178 Resp: 110308

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.5	23.3
179	15.0	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

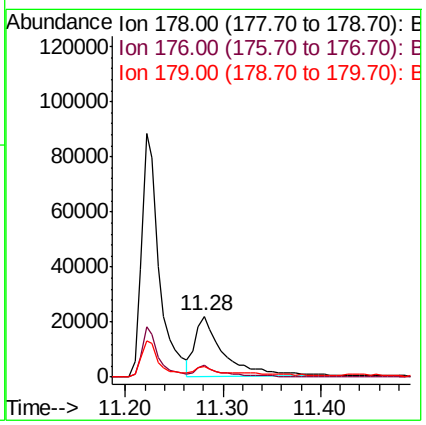
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

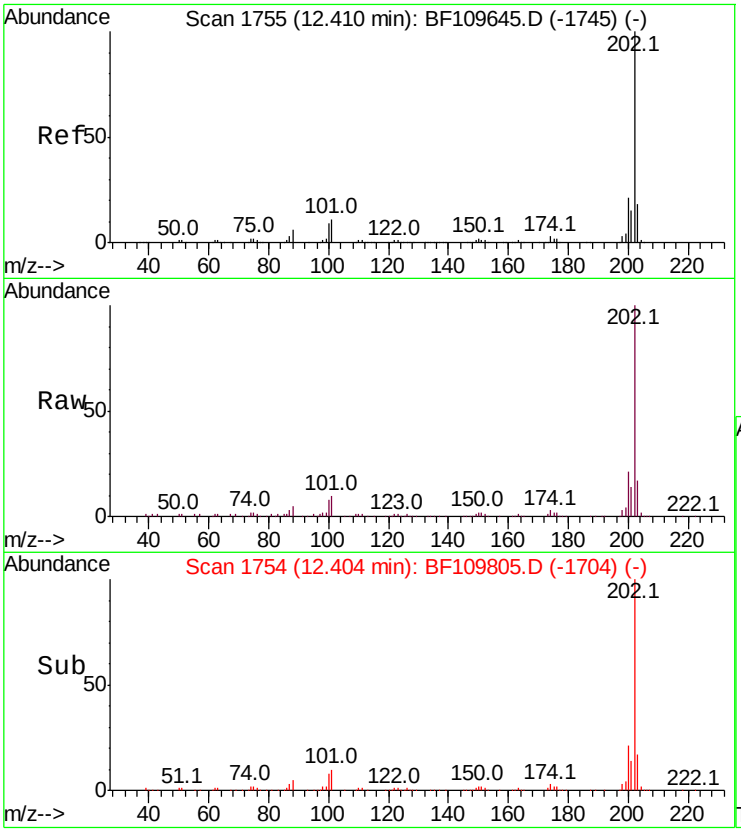


#71
Anthracene
Concen: 3.742 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:178 Resp: 44010

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	17.9	12.6	18.8

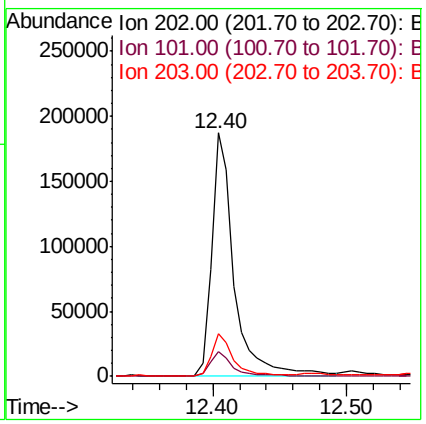




#74
Fluoranthene
Concen: 18.576 ng
RT: 12.40 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

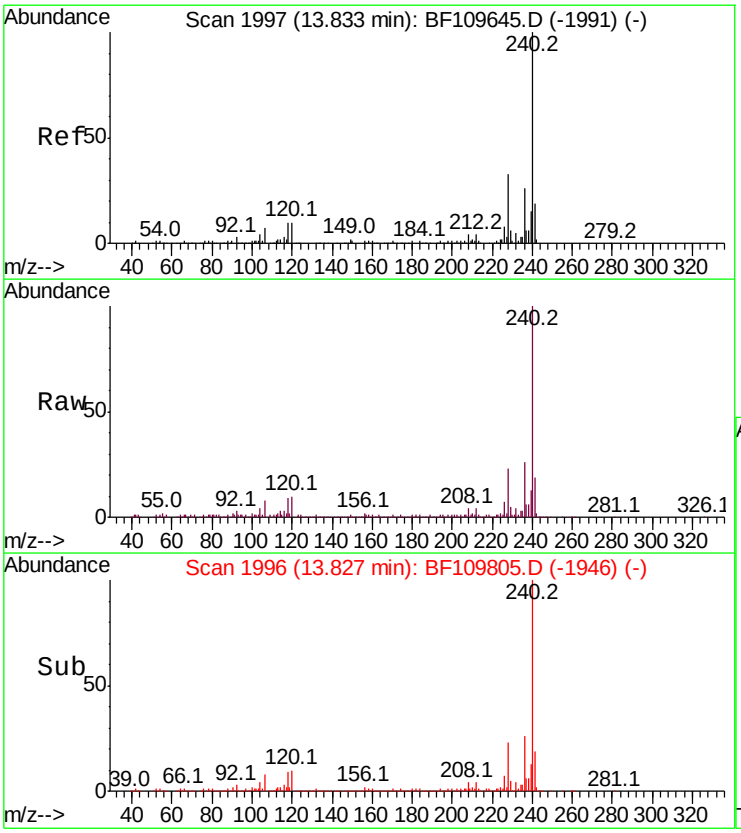
Tgt Ion:202 Resp: 220768

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	17.3	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

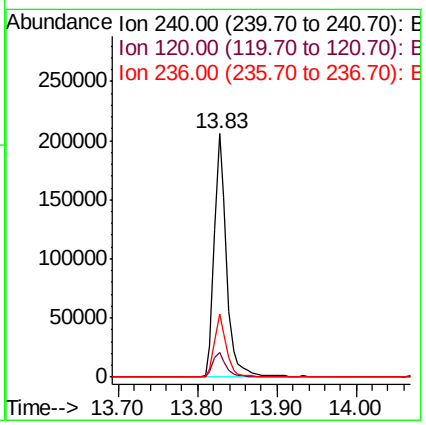
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

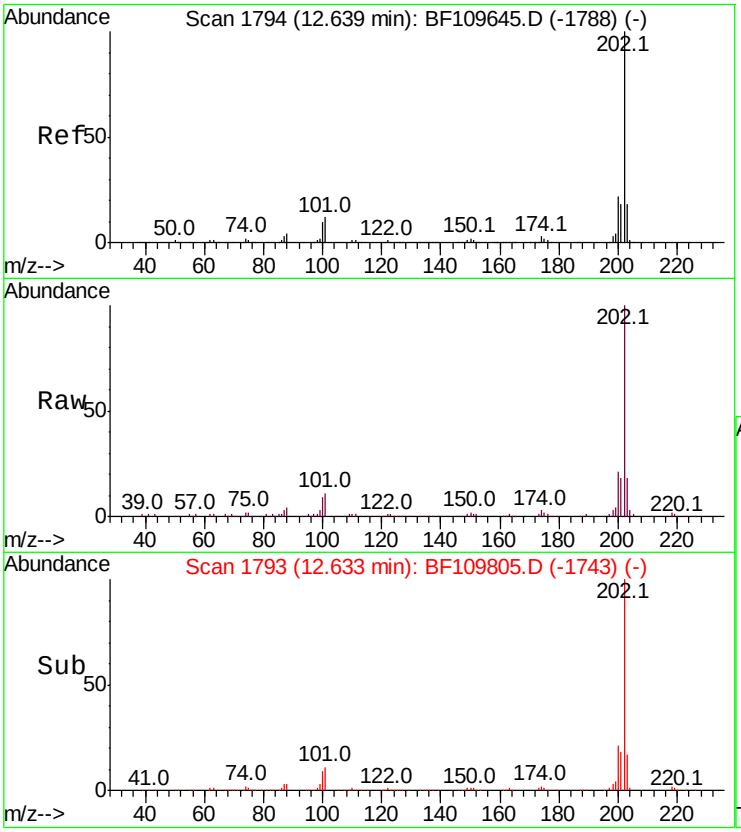


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:240 Resp: 224223

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.3	12.5
236	26.2	21.2	31.8

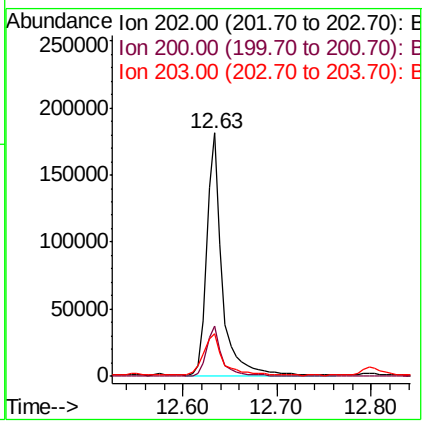




#77
Pyrene
Concen: 12.589 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

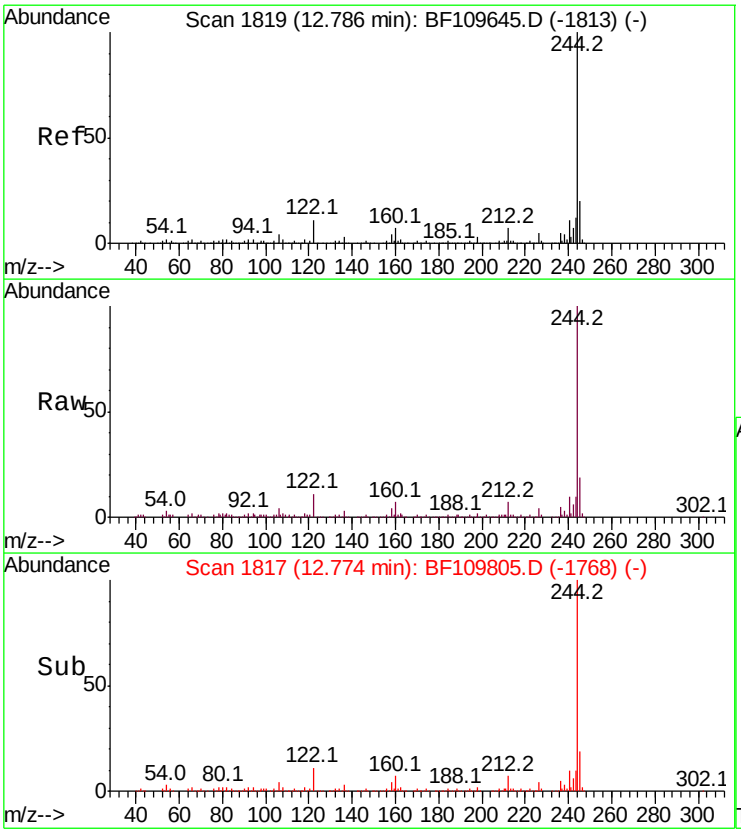
Tgt Ion:202 Resp: 206811

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	17.8	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

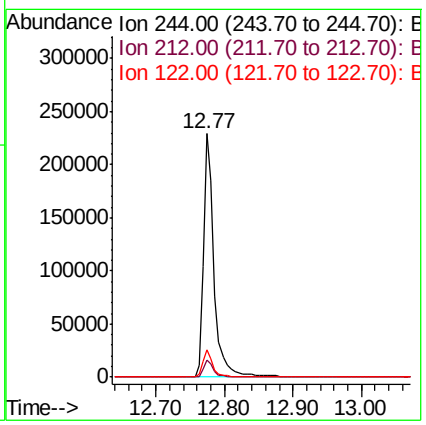
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

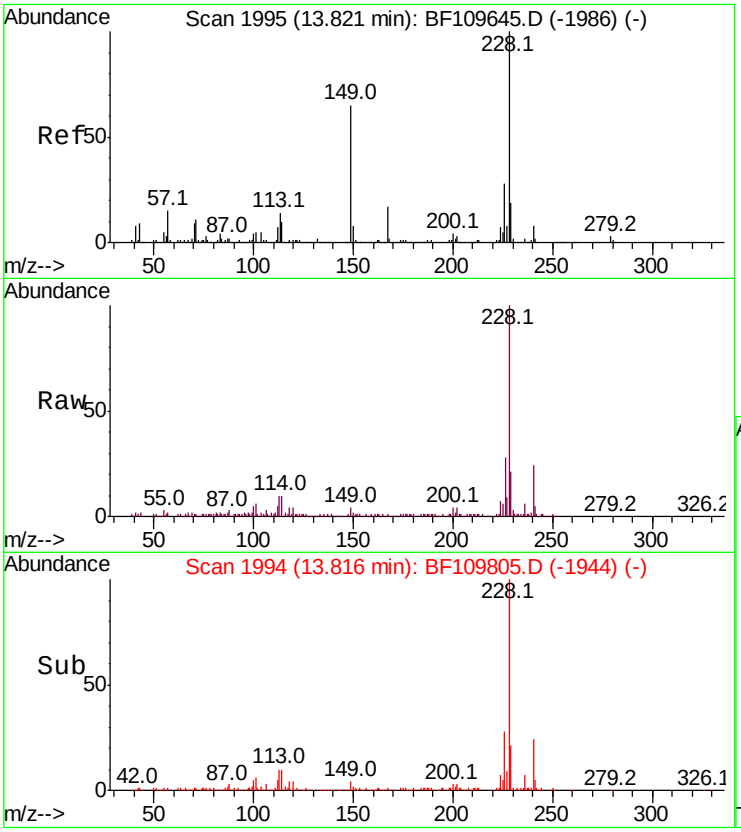


#78
Terphenyl-d14
Concen: 21.662 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:244 Resp: 250908

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.1	8.7	13.1

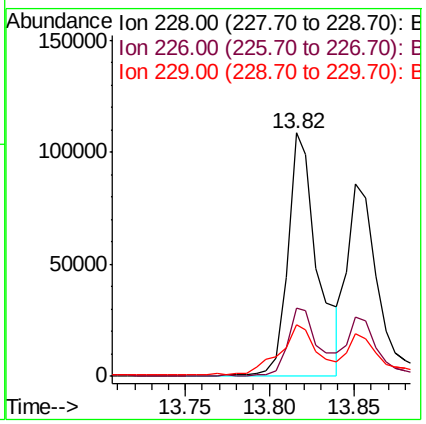




#80
Benzo(a)anthracene
Concen: 10.801 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

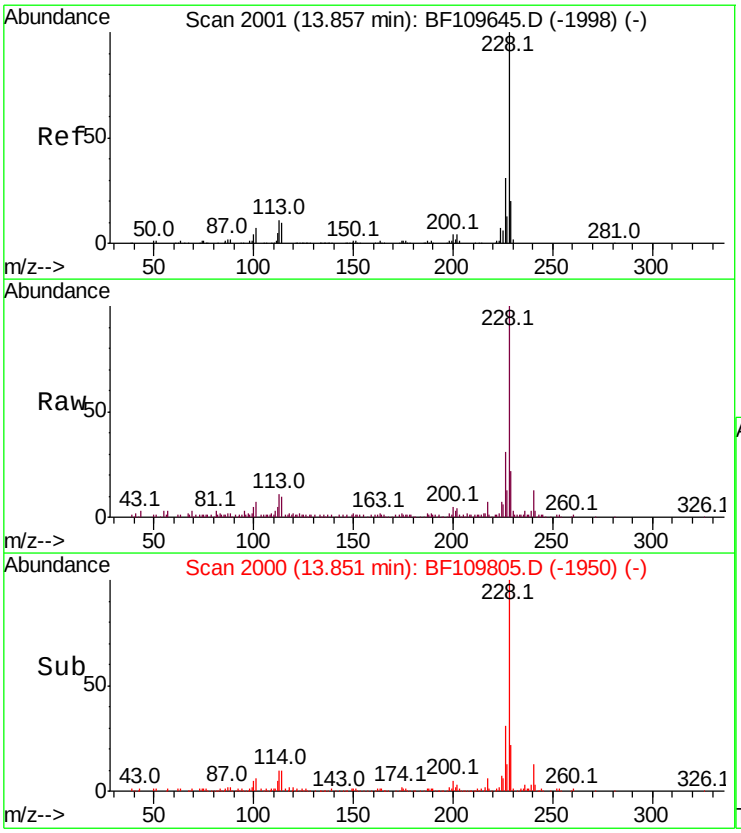
Tgt Ion:228 Resp: 133652

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	21.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

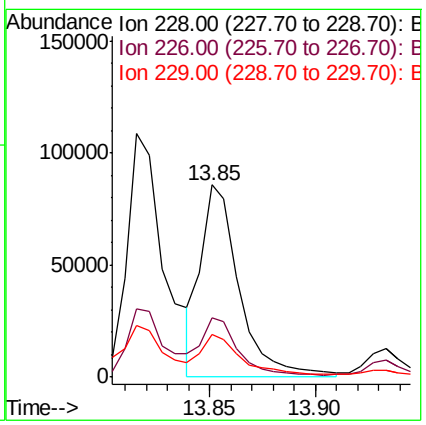
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

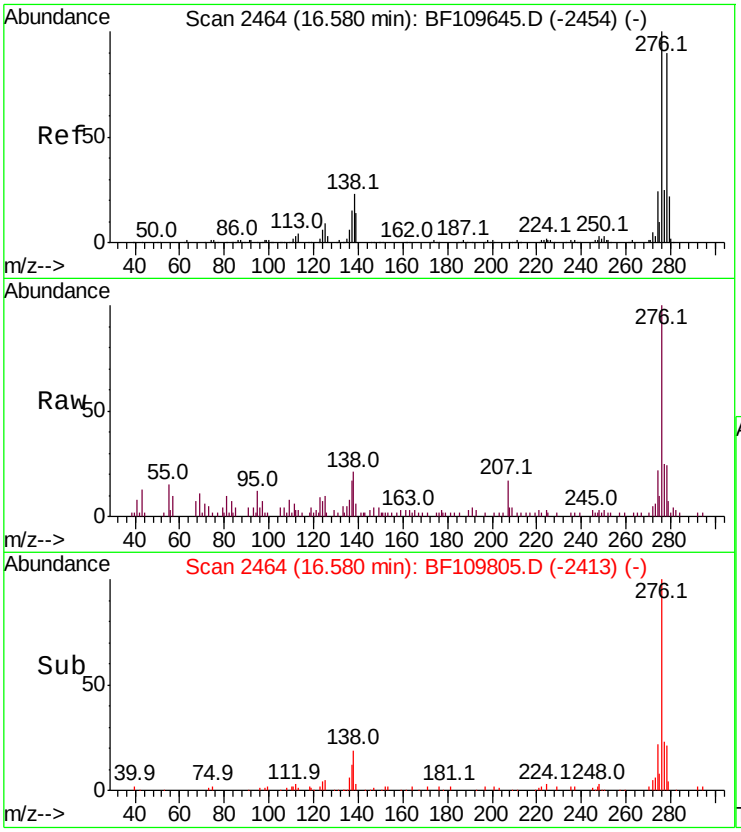


#82
Chrysene
Concen: 8.250 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:228 Resp: 107226

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.7	37.1
229	22.3	15.9	23.9





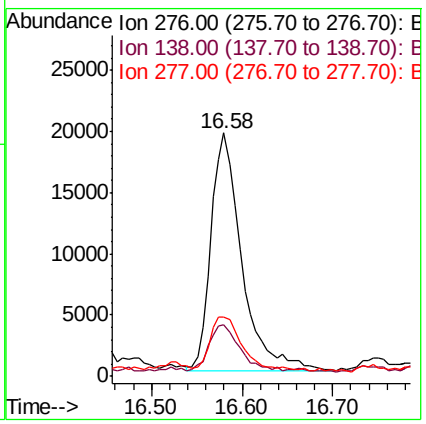
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.885 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.00 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

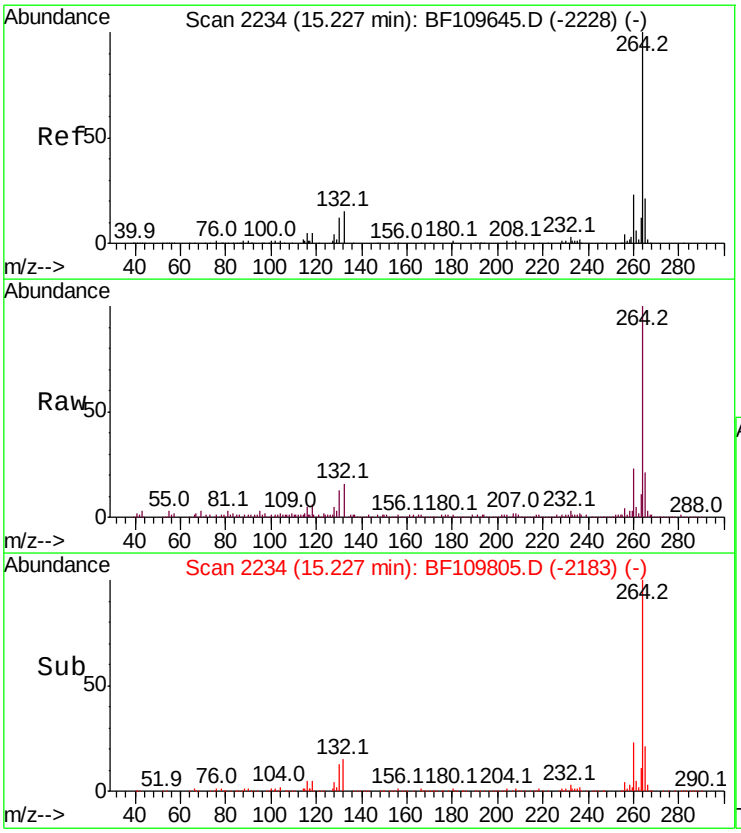
Tgt Ion:276 Resp: 45442

Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.5	27.7
277	21.4	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

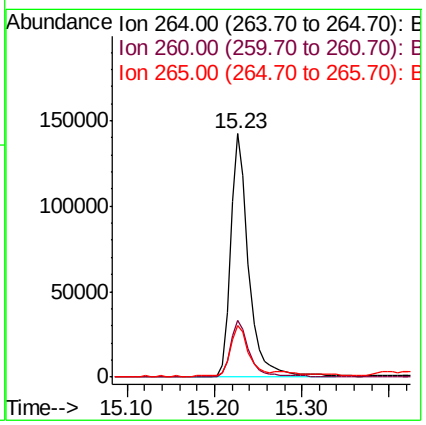


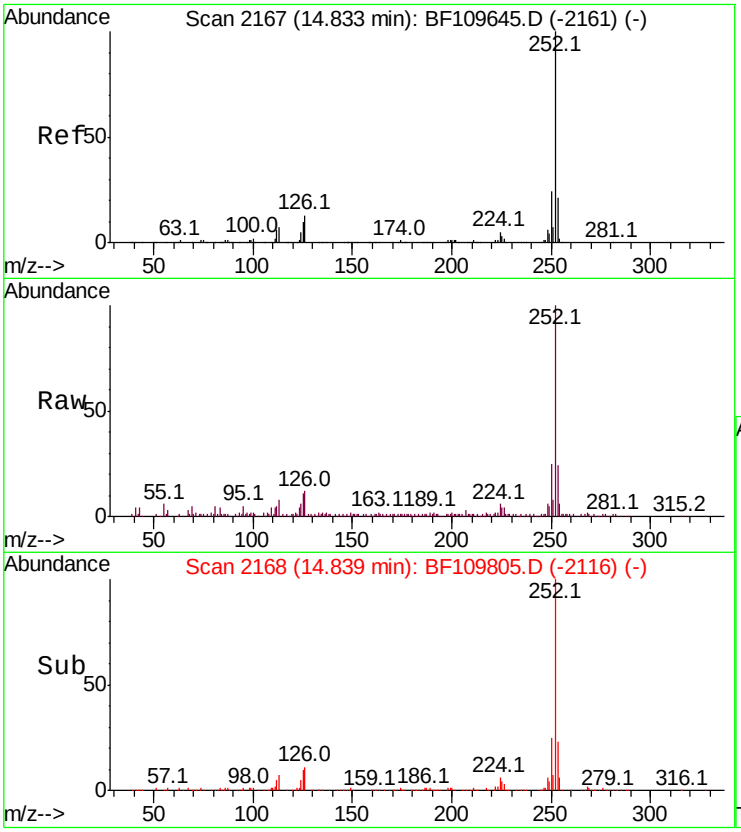


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:264 Resp: 200210

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.4	16.7	25.1

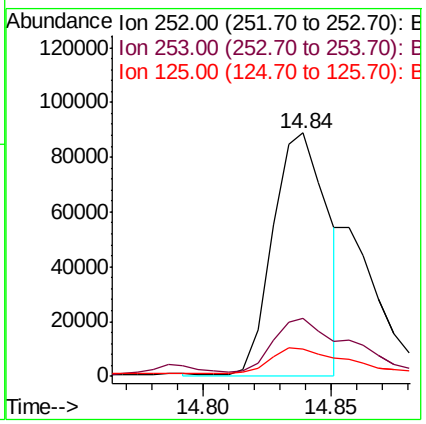




#87
Benzo(b)fluoranthene
Concen: 11.977 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

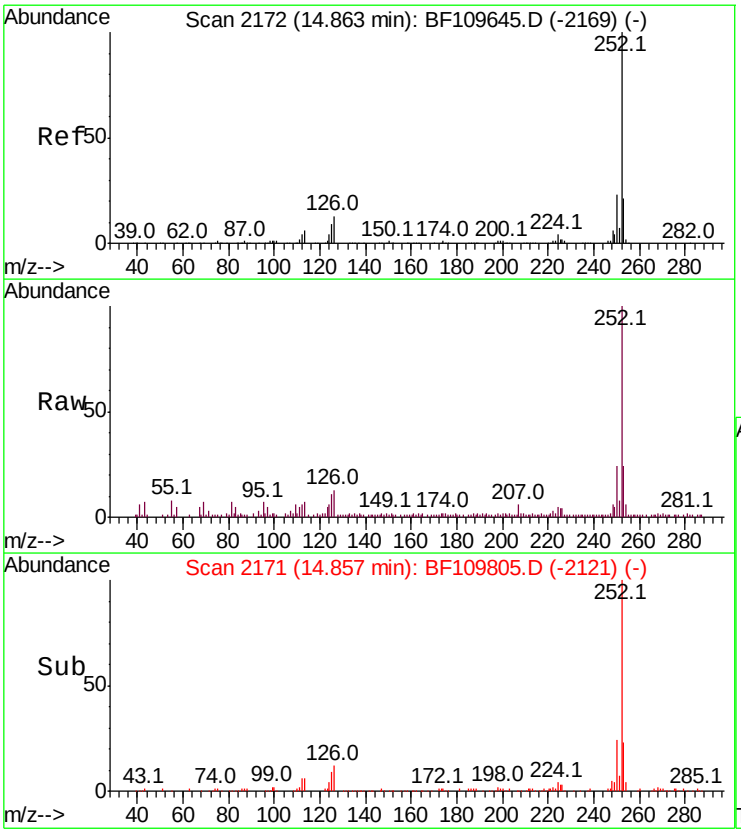
Tgt Ion:252 Resp: 132518

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	11.0	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

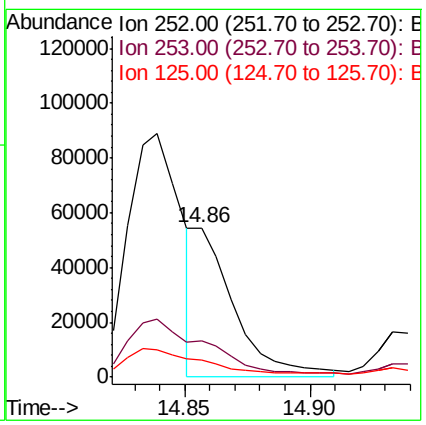
Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM

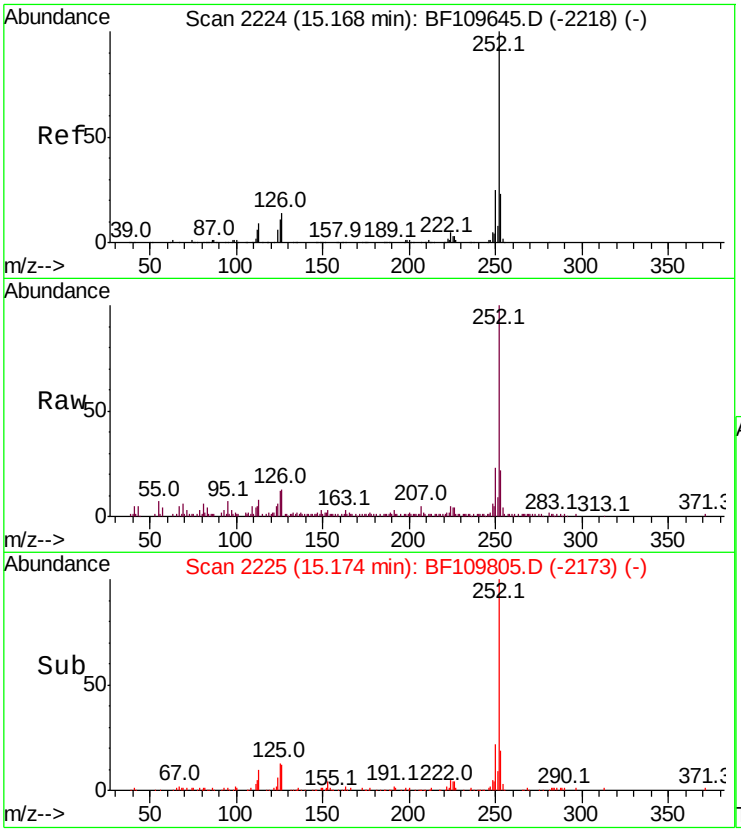


#88
Benzo(k)fluoranthene
Concen: 5.380 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:252 Resp: 59812

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	11.3	7.4	11.0#

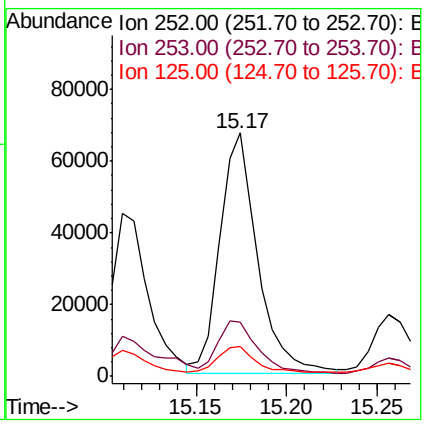




#89
Benzo(a)pyrene
Concen: 9.676 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

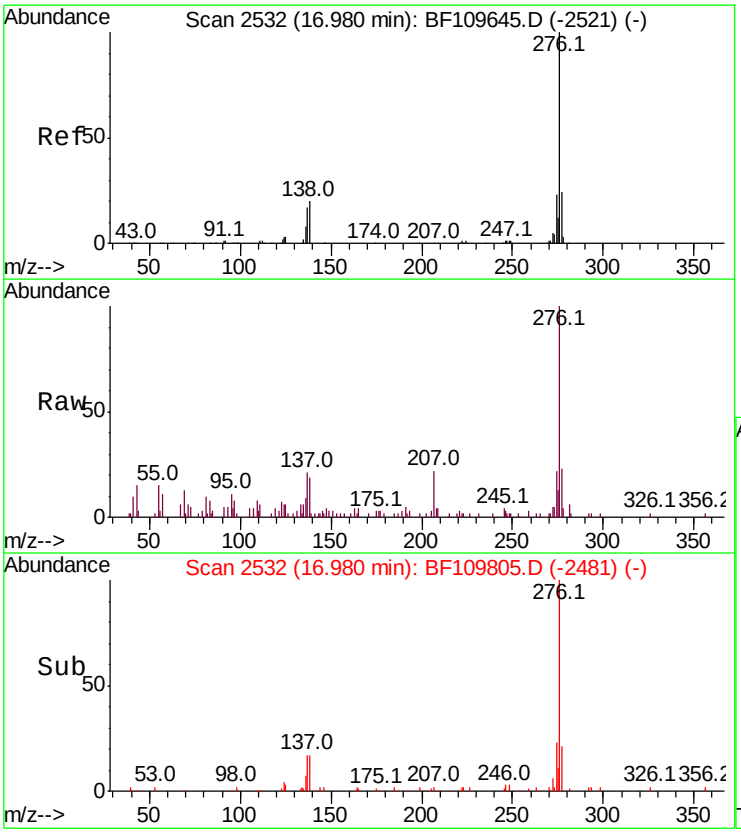
Tgt Ion:252 Resp: 97151

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-22

Manual Integrations APPROVED
Sohil
10/12/2018 11:01:31 AM



#91
Benzo(g,h,i)perylene
Concen: 5.446 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF109805.D
Acq: 11 Oct 2018 23:52

Tgt Ion:276 Resp: 44842

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.8	28.2
138	19.2	16.0	24.0