Quantitation Report (LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100101.D
Acq On : 2 Nov 2017 22:38
Operator : SJ/JU
Sample : I6252-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-103117

Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

Quant Time: Nov 03 03:52:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 18:13:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	91495	20.00	ng		0.00
21) Naphthalene-d8	8.05	136	355285	20.00	ng		-0.01
38) Acenaphthene-d10	9.80	164	154436	20.00	ng		-0.01
63) Phenanthrene-d10	11.30	188	234417	20.00	ng		-0.01
75) Chrysene-d12	13.95	240	164821	20.00	ng		-0.02
86) Perylene-d12	15.41	264	165384	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	40300	6.92	ng		0.02
7) Phenol-d6	6.43	99	53507	7.74	ng		0.00
23) Nitrobenzene-d5	7.35	82	24568	4.45	ng		0.00
41) 2,4,6-Tribromophenol	10.60	330	9603	6.82	ng		-0.01
44) 2-Fluorobiphenyl	9.12	172	68925	6.89	ng		-0.01
78) Terphenyl-d14	12.87	244	42403	5.62	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.07	128	244801	14.274	ng		99
37) 2-Methylnaphthalene	8.76	142	132893	11.563	ng		97
45) 1,1'-Biphenyl	9.23	154	37751	2.702	ng		97
51) Acenaphthene	9.84	154	112566	11.789	ng		99
54) Dibenzofuran	10.02	168	132170	9.806	ng		96
57) Fluorene	10.36	166	185906	16.659	ng		99
70) Phenanthrene	11.33	178	812458	61.414	ng		99
71) Anthracene	11.37	178	282855	21.064	ng		99
72) Carbazole	11.54	167	74056	5.864	ng		99
74) Fluoranthene	12.52	202	641942	46.693	ng		97
77) Pyrene	12.75	202	550992	43.964	ng		98
80) Benzo(a)anthracene	13.94	228	273639	26.189	ng		99
82) Chrysene	13.97	228	206456	21.018	ng		98
85) Indeno(1,2,3-cd)pyrene	16.88	276	85848	9.520	ng		98
87) Benzo(b)fluoranthene	14.99	252	254563m	24.376	ng		
88) Benzo(k)fluoranthene	15.02	252	99348m	10.089	ng		
89) Benzo(a)pyrene	15.35	252	191359	20.399	ng	#	96
90) Dibenzo(a,h)anthracene	16.87	278	22510	2.700	ng	#	75
91) Benzo(g,h,i)perylene	17.33	276	74248	9.104	ng	#	88

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

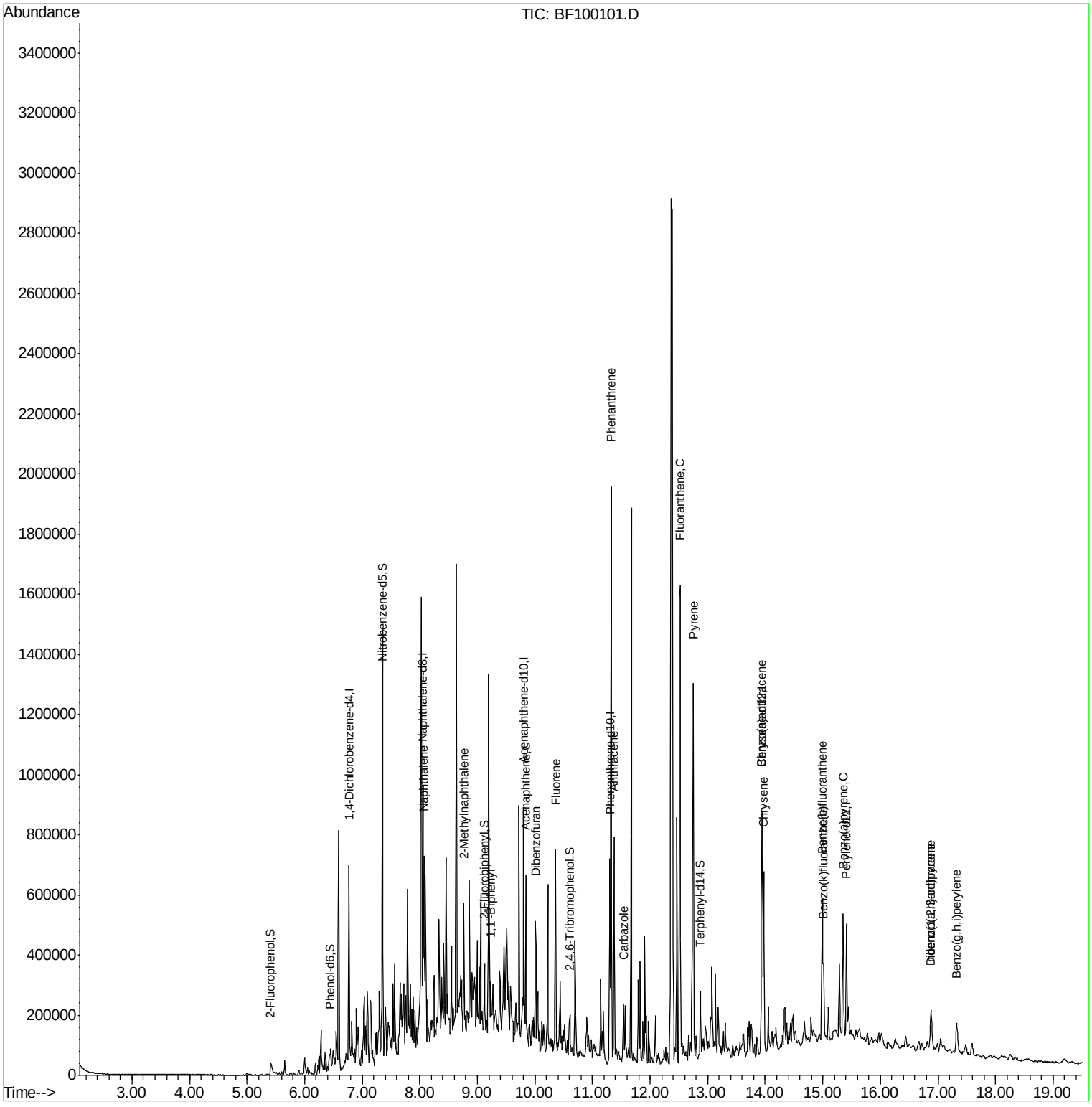
Quantitation Report (LSC Reviewed)

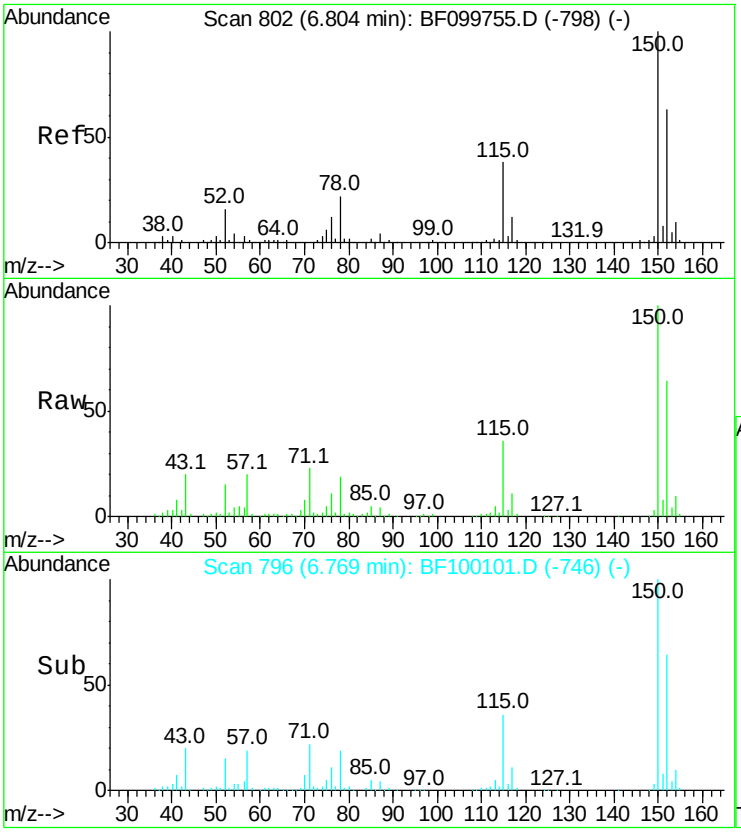
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100101.D
Acq On : 2 Nov 2017 22:38
Operator : SJ/JU
Sample : I6252-01 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 03 03:52:54 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 18:13:08 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
HR-05-103117

Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

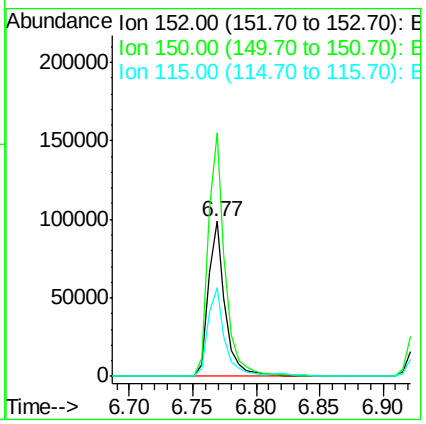




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

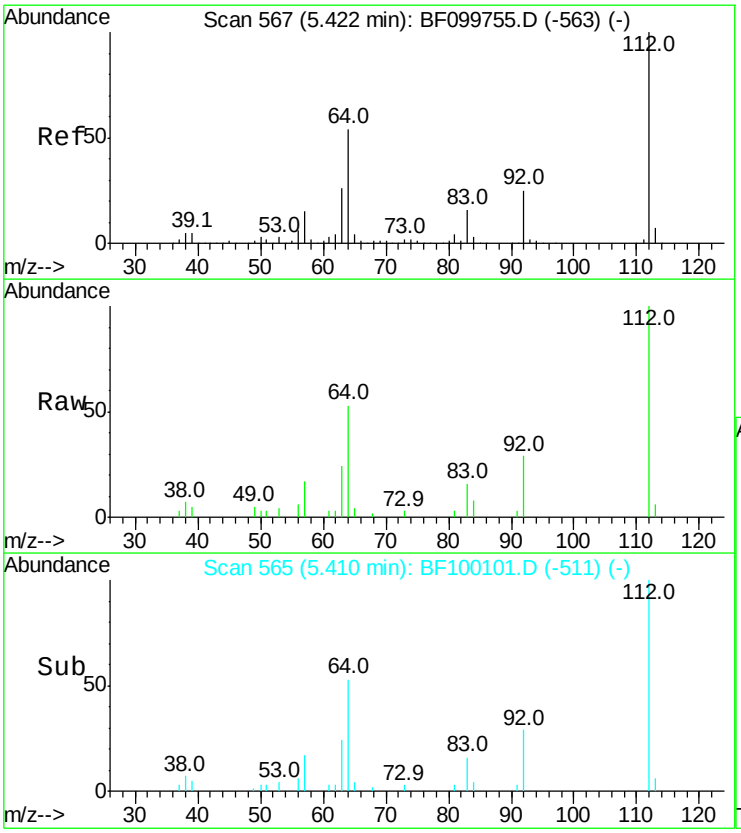
Tgt Ion:152 Resp: 91495

Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	56.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

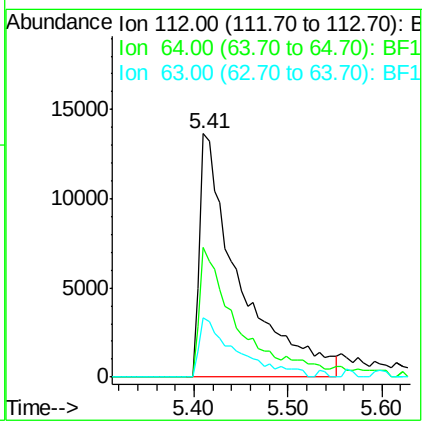
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

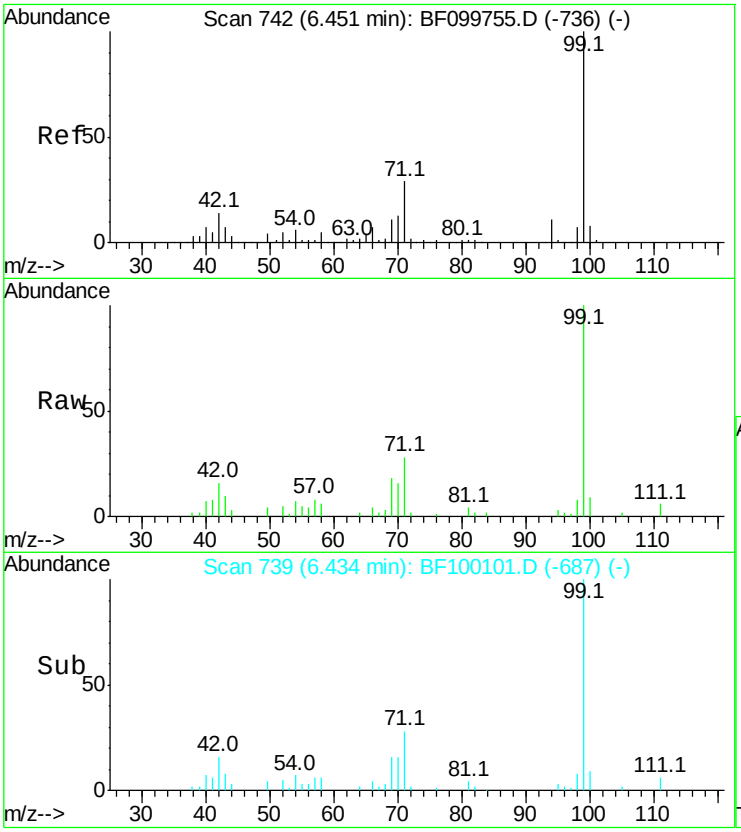


#5
2-Fluorophenol
Concen: 6.915 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:112 Resp: 40300

Ion	Ratio	Lower	Upper
112	100		
64	53.1	47.9	71.9
63	24.2	23.7	35.5

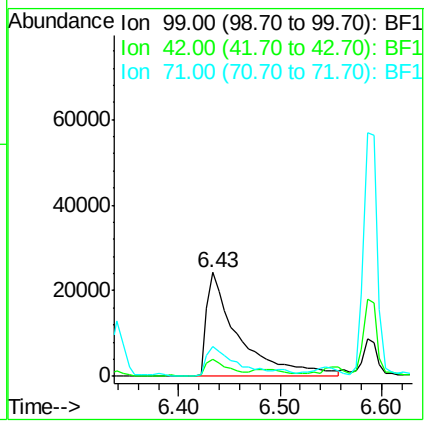




#7
Phenol-d6
Concen: 7.743 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

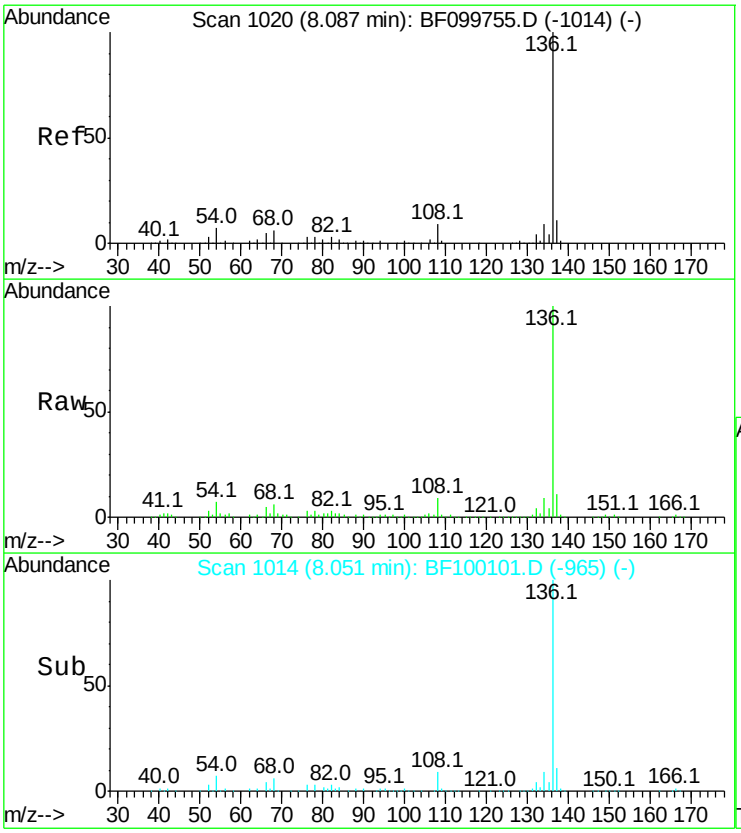
Tgt Ion: 99 Resp: 53507

Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	28.3	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

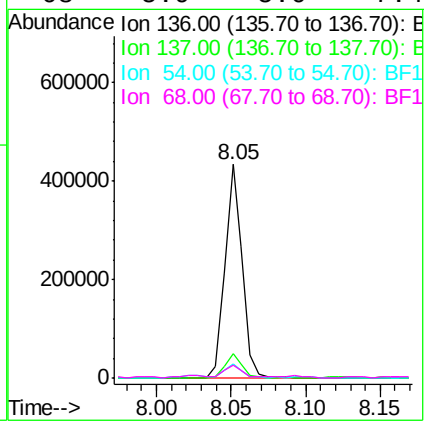
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

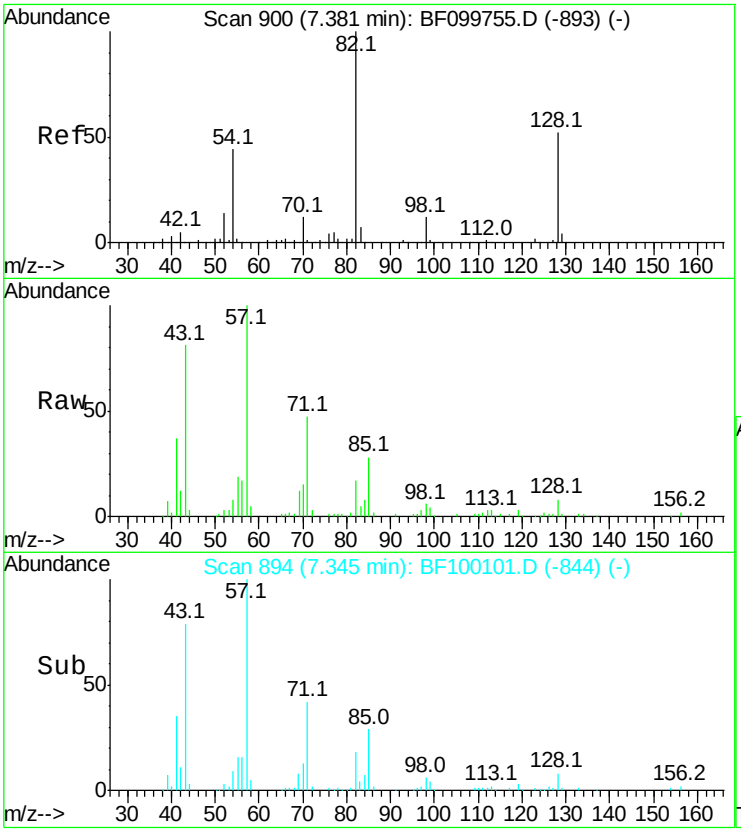


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:136 Resp: 355285

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.7	6.6	9.8
68	5.9	5.0	7.4

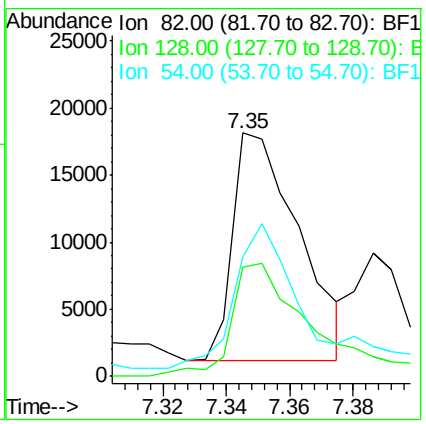




#23
Nitrobenzene-d5
Concen: 4.452 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

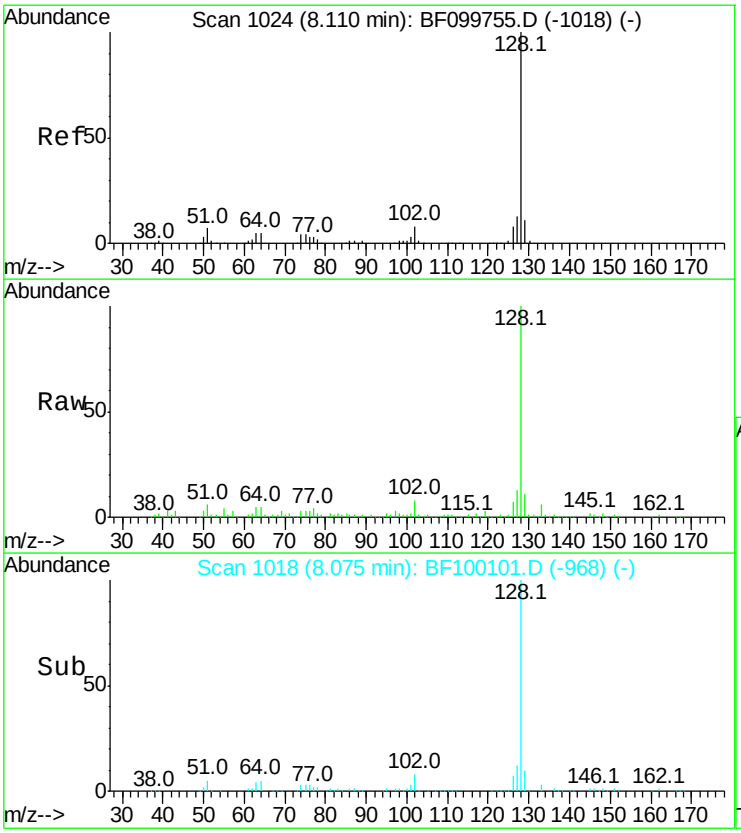
Tgt Ion: 82 Resp: 24568

Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	49.3	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

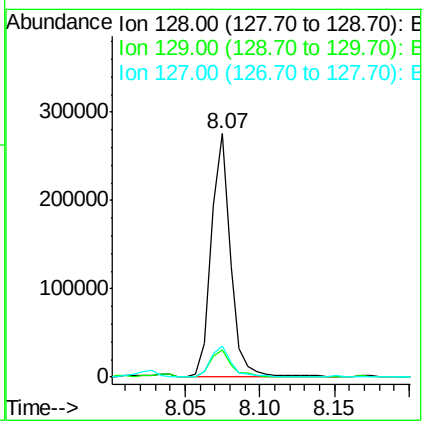
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

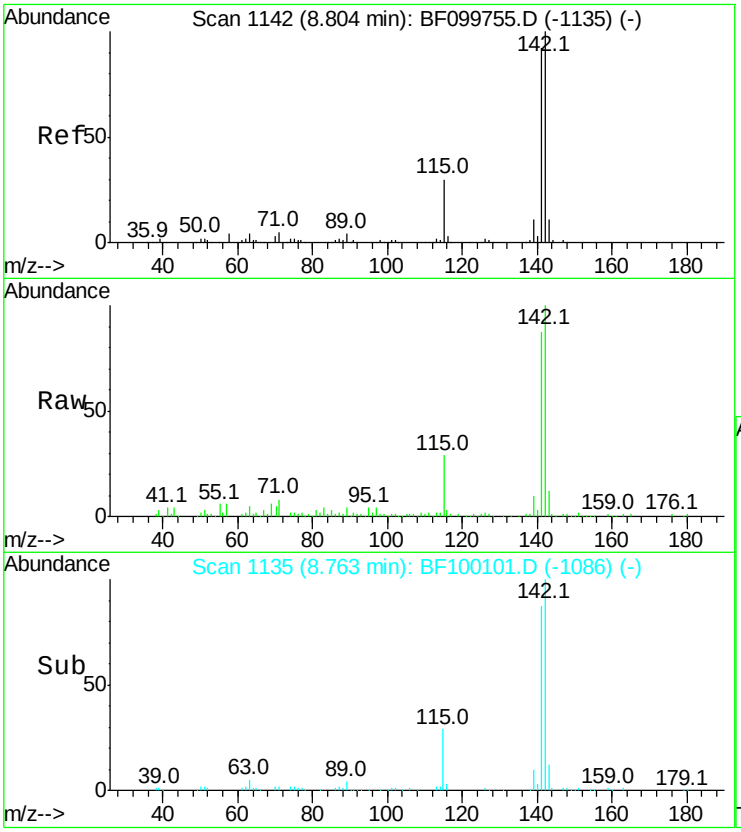


#31
Naphthalene
Concen: 14.274 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:128 Resp: 244801

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.9	10.9	16.3

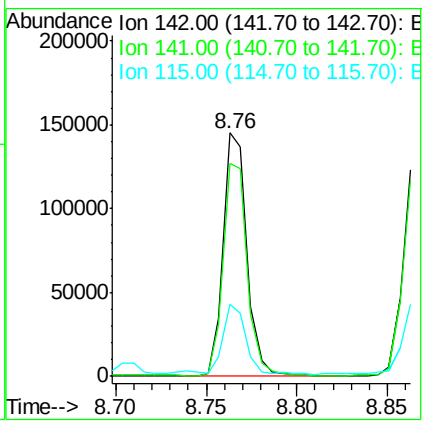




#37
2-Methylnaphthalene
Concen: 11.563 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

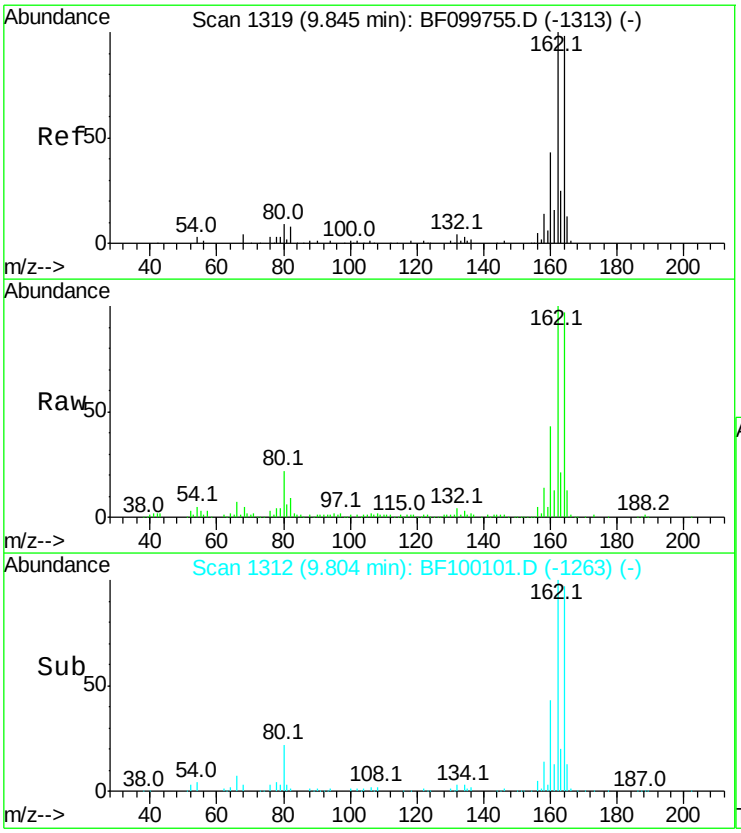
Tgt Ion:142 Resp: 132893

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.8	106.2
115	29.4	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

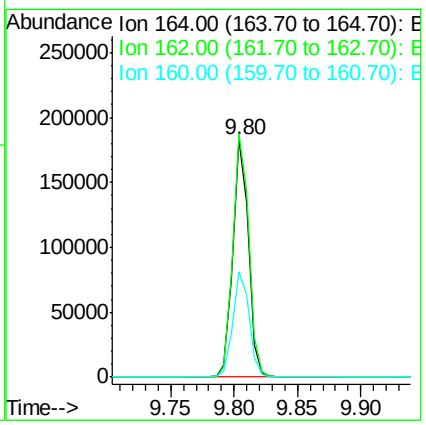
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

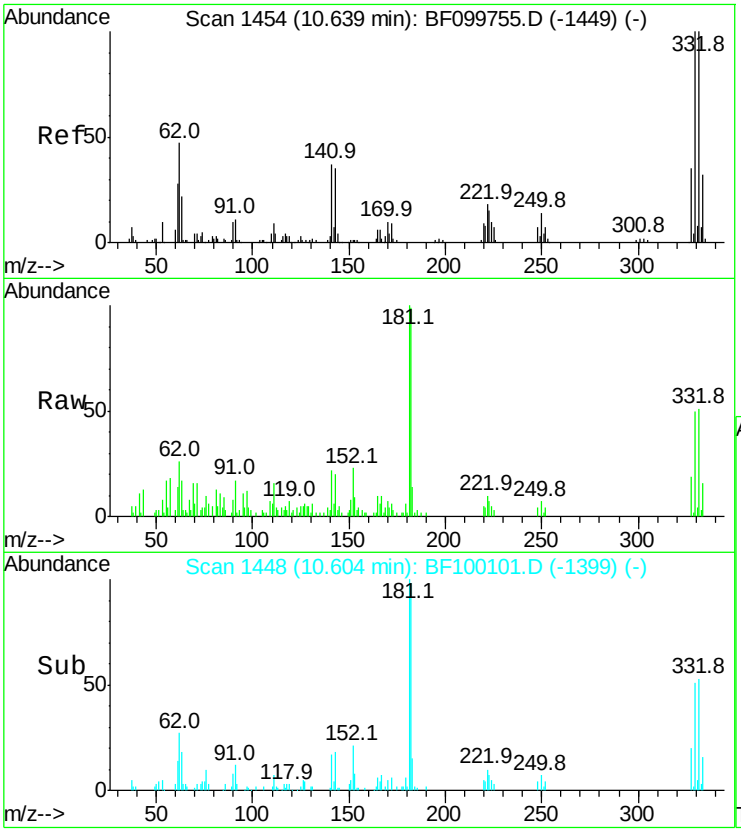


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:164 Resp: 154436

Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	44.3	38.3	57.5

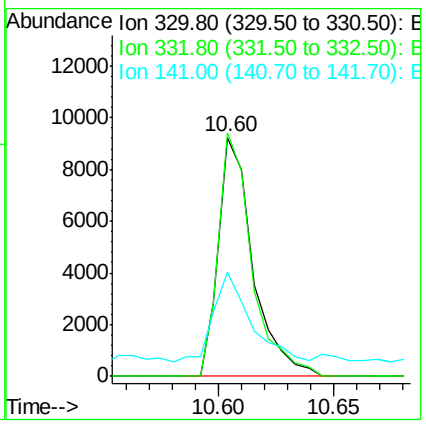




#41
2,4,6-Tribromophenol
Concen: 6.823 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

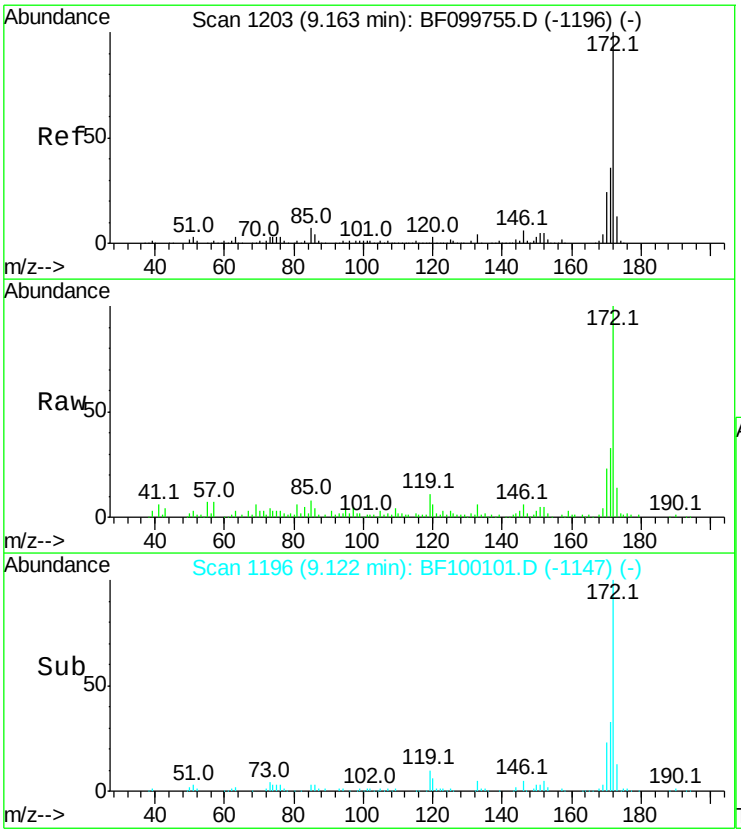
Tgt Ion:330 Resp: 9603

Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	39.2	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

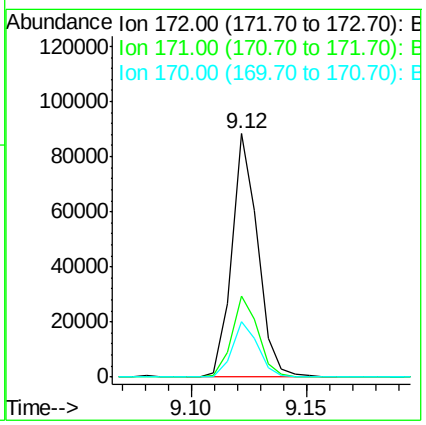
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

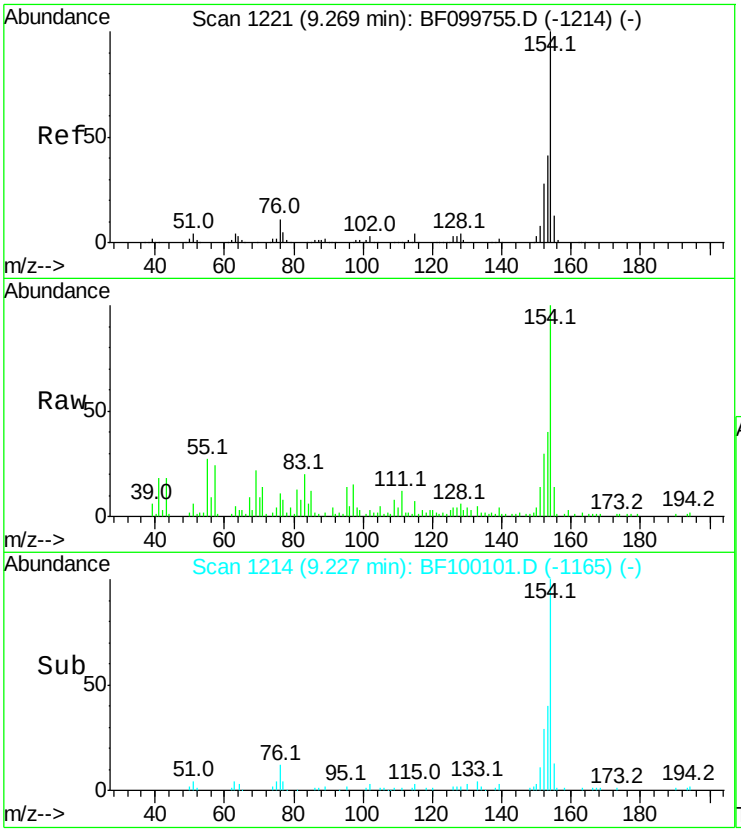


#44
2-Fluorobiphenyl
Concen: 6.886 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:172 Resp: 68925

Ion	Ratio	Lower	Upper
172	100		
171	33.1	29.7	44.5
170	22.8	19.6	29.4

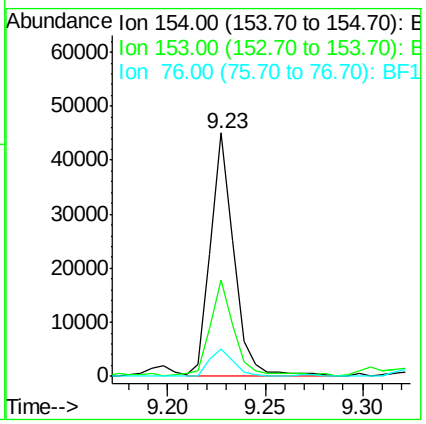




#45
1,1'-Biphenyl
Concen: 2.702 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

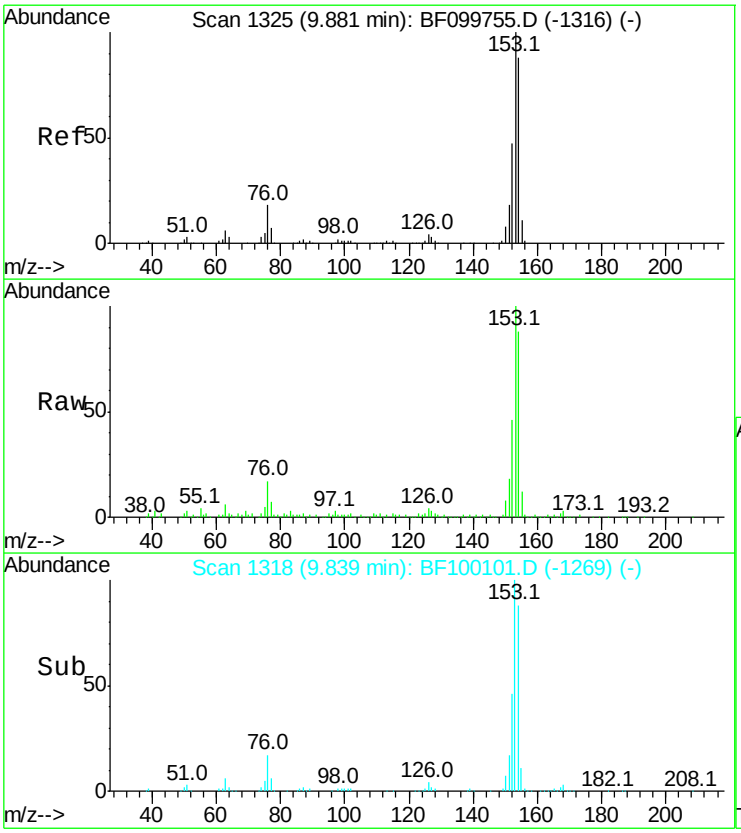
Tgt Ion:154 Resp: 37751

Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.3	61.3
76	11.4	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

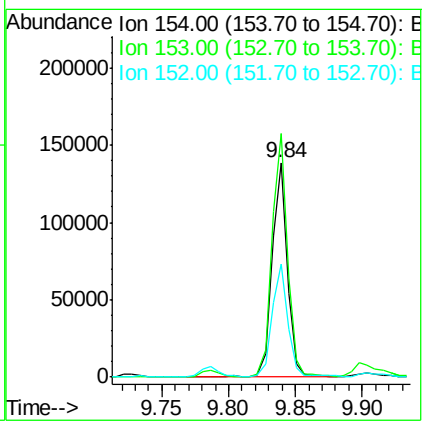
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

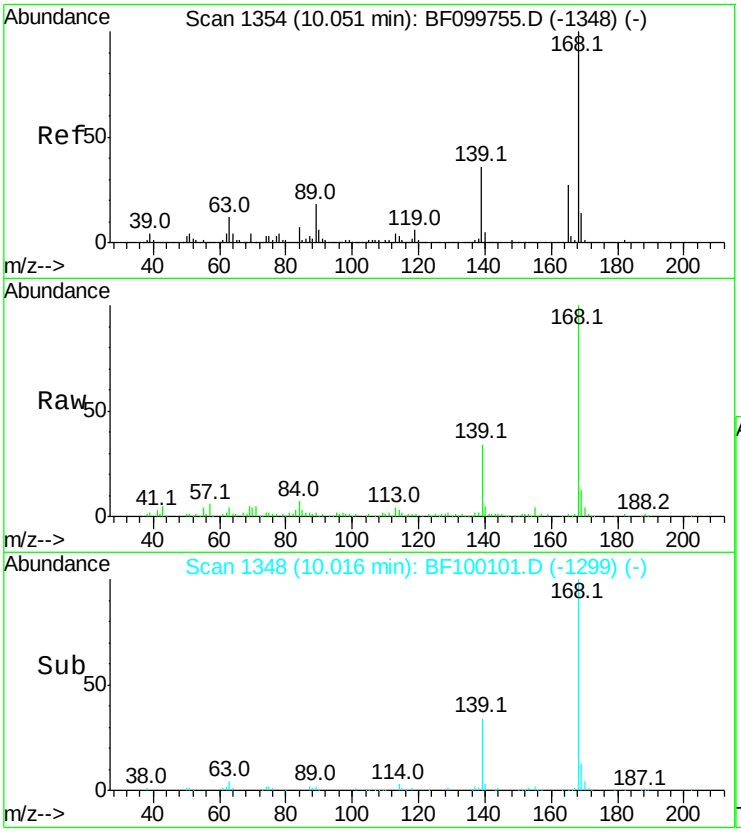


#51
Acenaphthene
Concen: 11.789 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:154 Resp: 112566

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.2	136.8
152	52.7	43.8	65.8

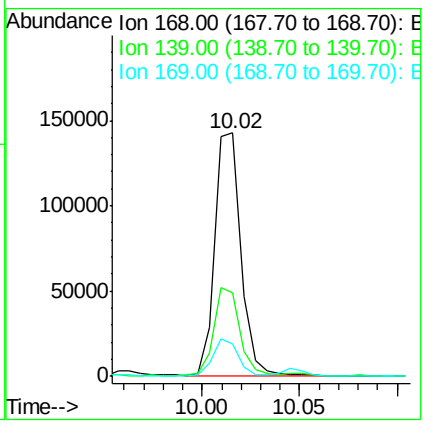




#54
Dibenzofuran
Concen: 9.806 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

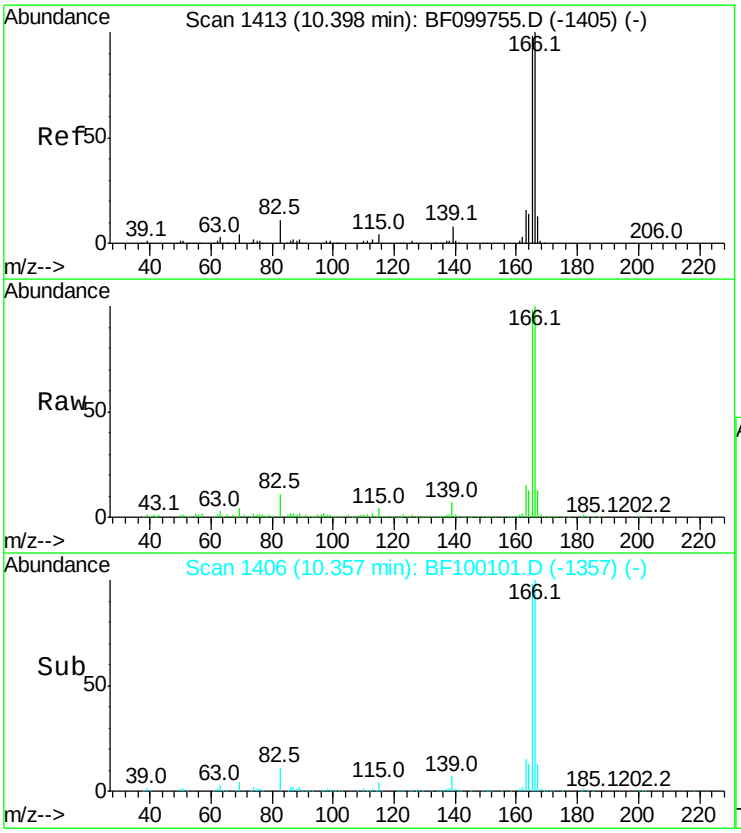
Tgt Ion:168 Resp: 132170

Ion	Ratio	Lower	Upper
168	100		
139	34.1	30.1	45.1
169	13.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

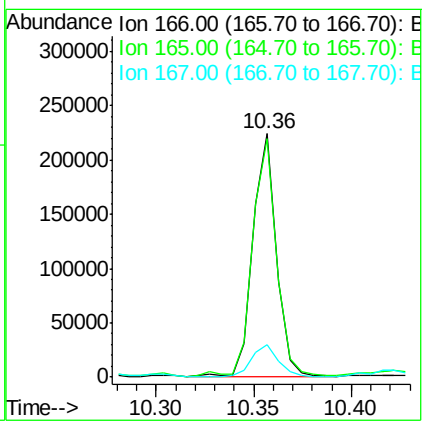
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

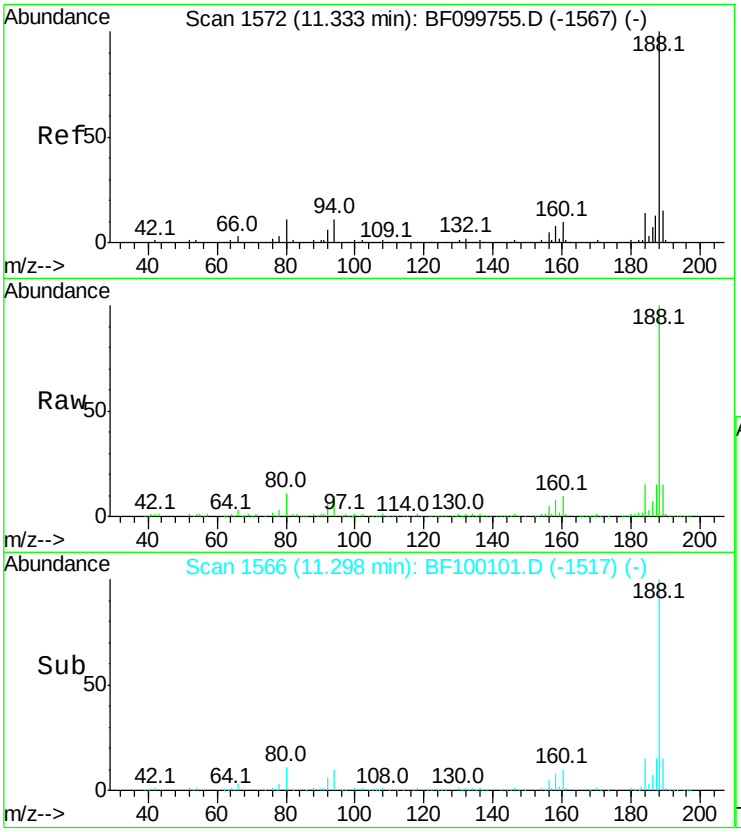


#57
Fluorene
Concen: 16.659 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:166 Resp: 185906

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.8	119.8
167	13.4	10.6	16.0

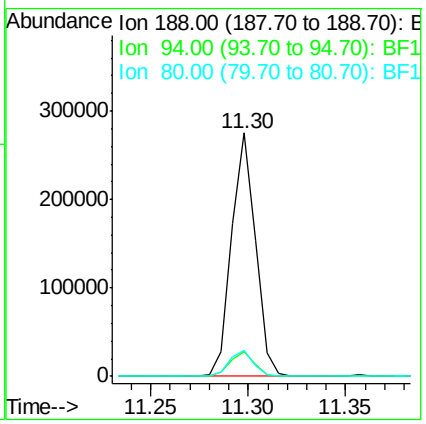




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

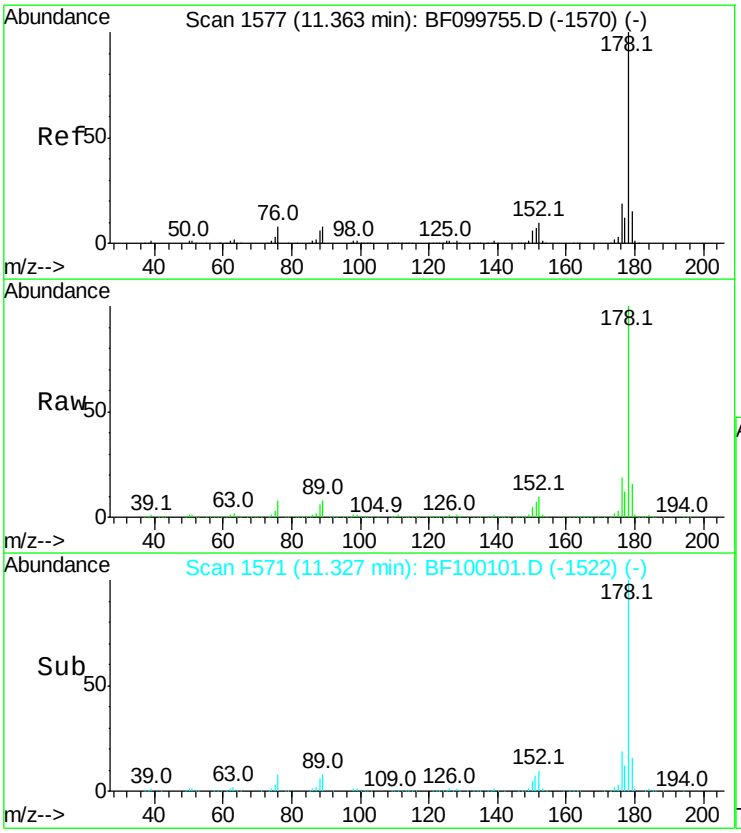
Tgt Ion:188 Resp: 234417

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.7	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

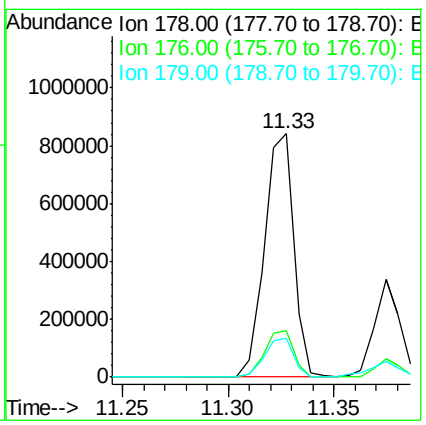
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

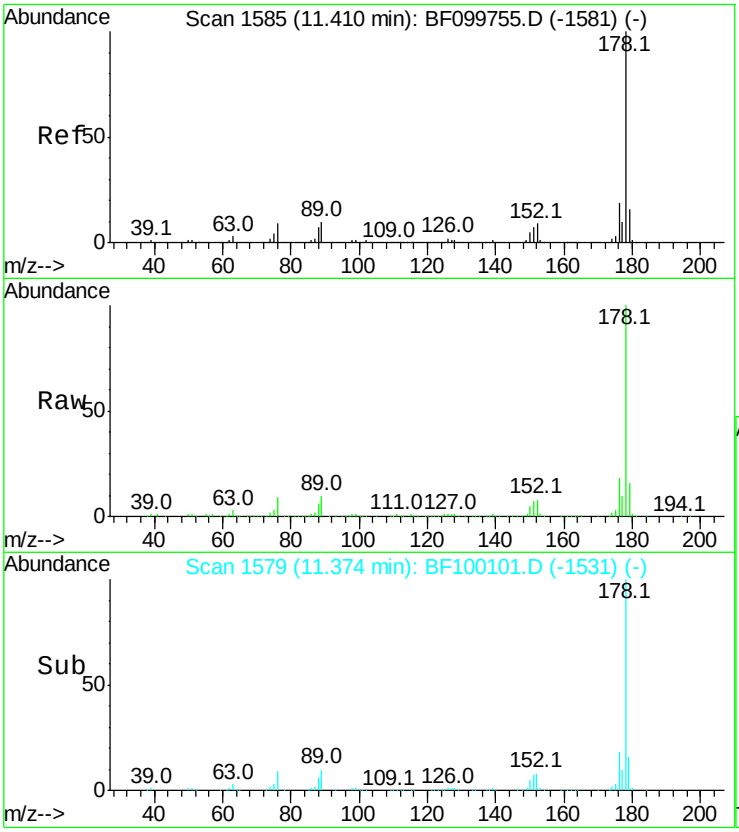


#70
Phenanthrene
Concen: 61.414 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:178 Resp: 812458

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.8	13.0	19.6

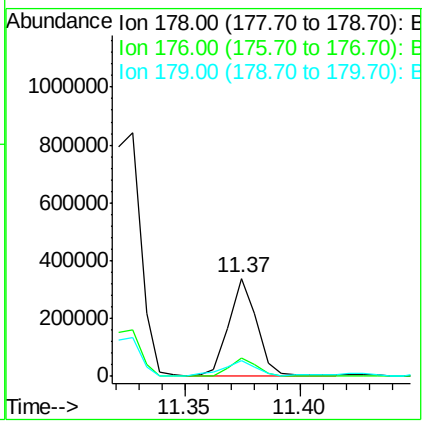




#71
Anthracene
Concen: 21.064 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

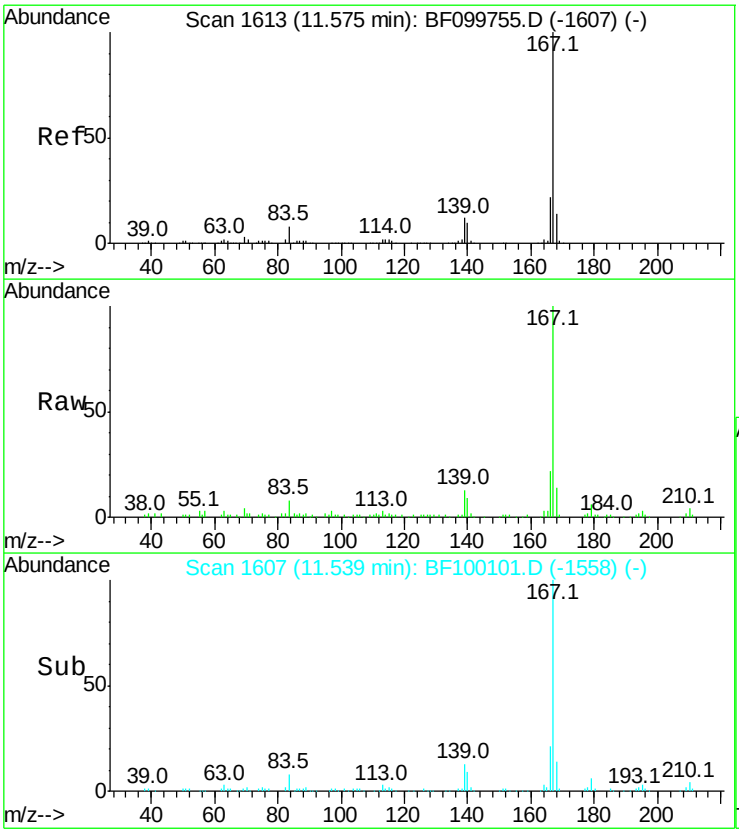
Tgt Ion:178 Resp: 282855

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

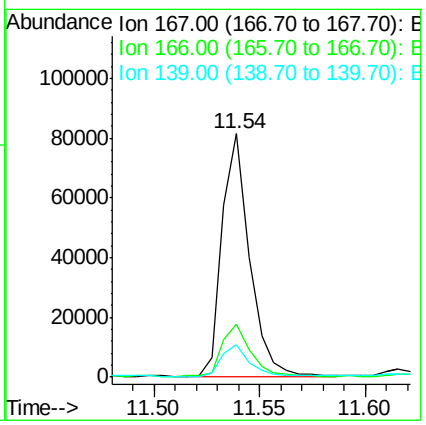
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

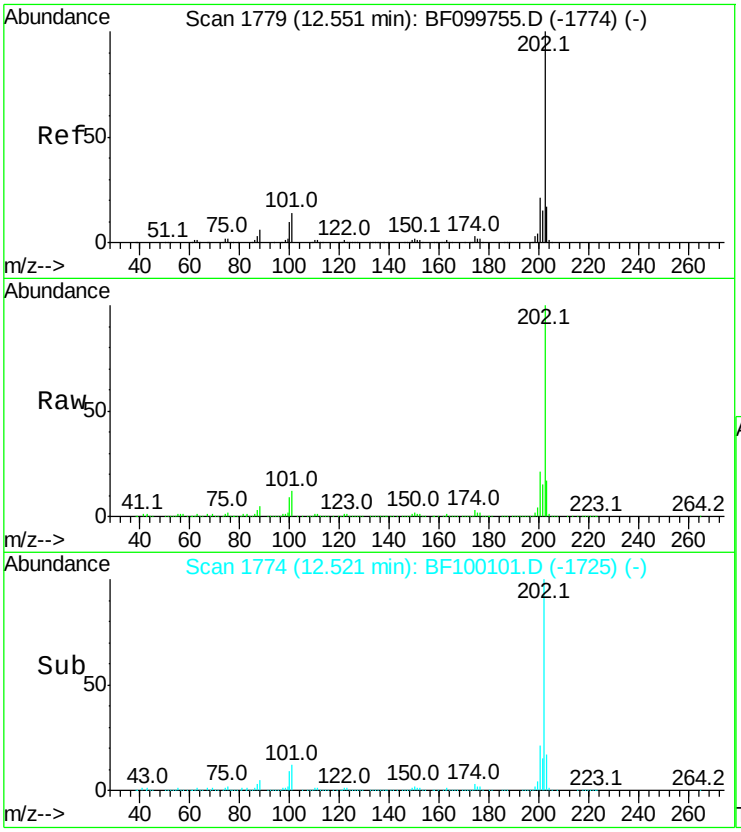


#72
Carbazole
Concen: 5.864 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:167 Resp: 74056

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.2	10.9	16.3

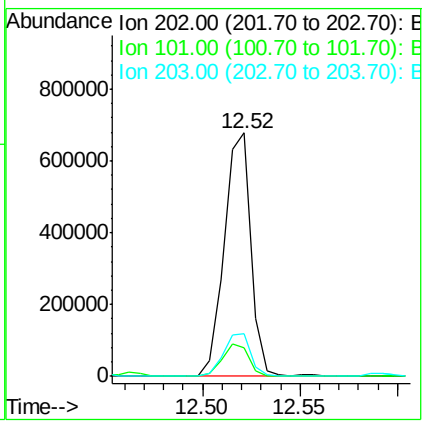




#74
Fluoranthene
Concen: 46.693 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

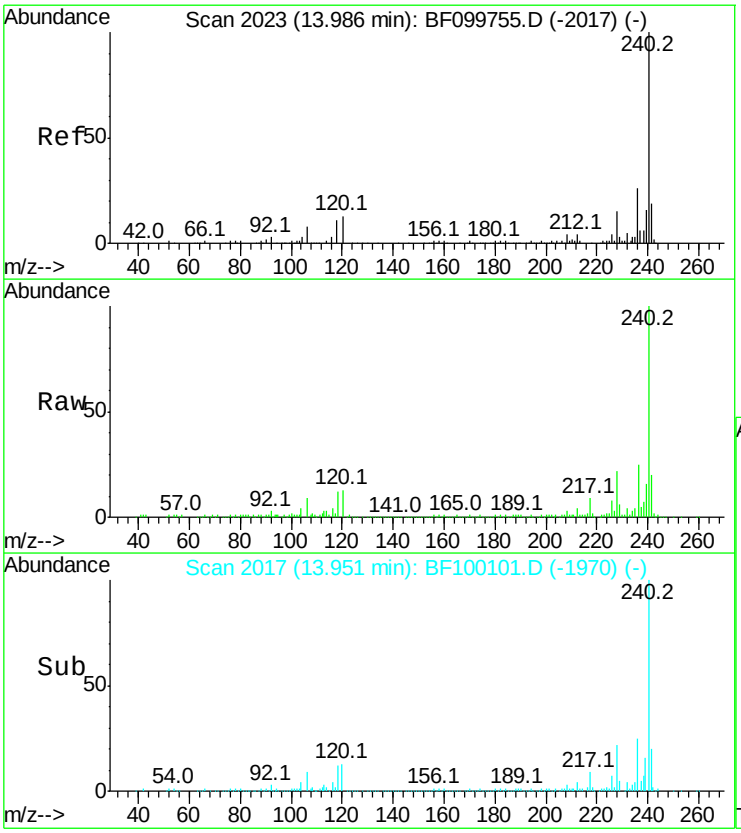
Tgt Ion:202 Resp: 641942

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	17.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

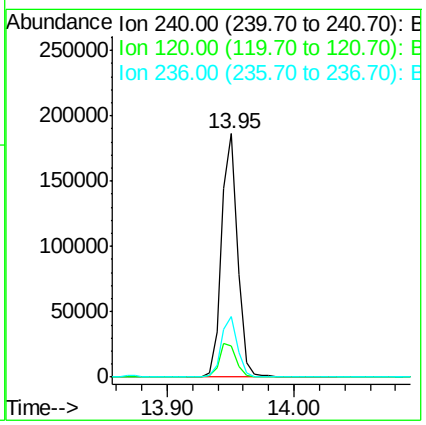
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

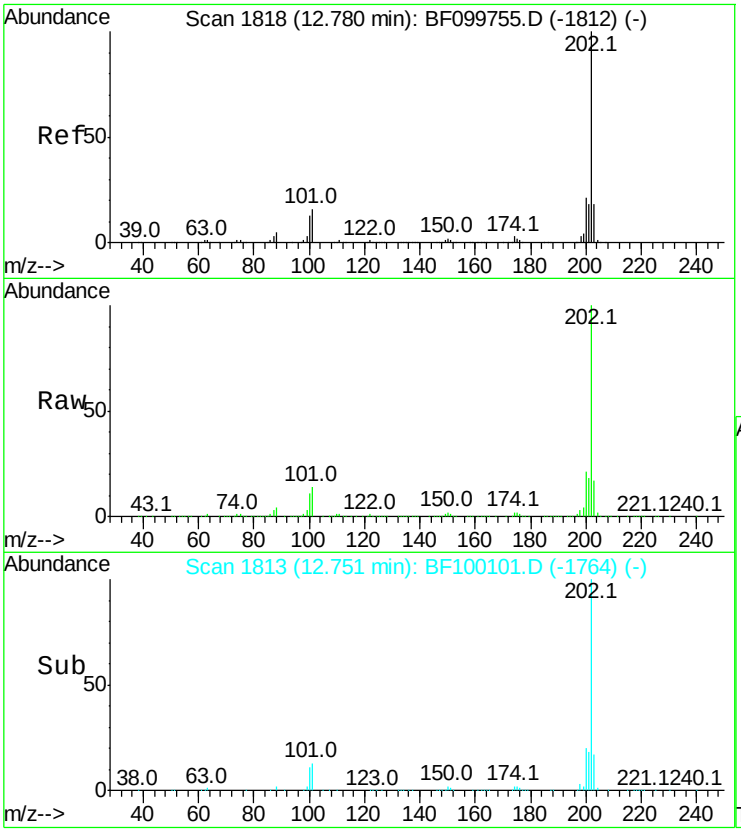


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:240 Resp: 164821

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	25.1	20.7	31.1

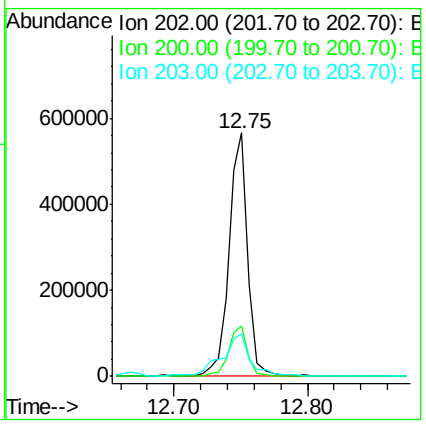




#77
Pyrene
Concen: 43.964 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

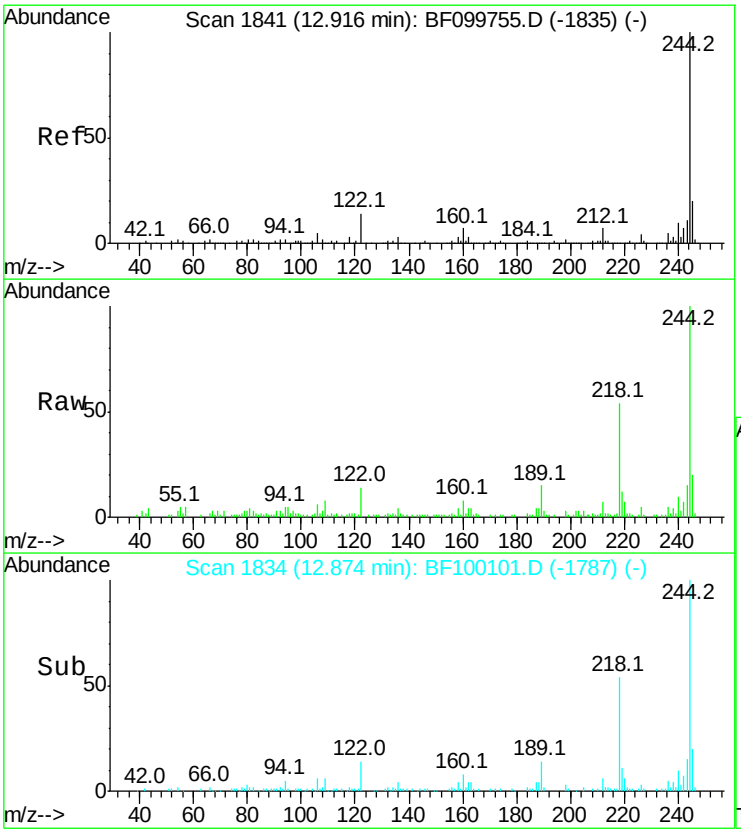
Tgt Ion:202 Resp: 550992

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.3	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

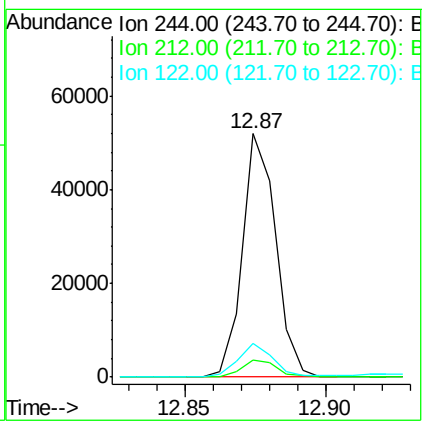
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

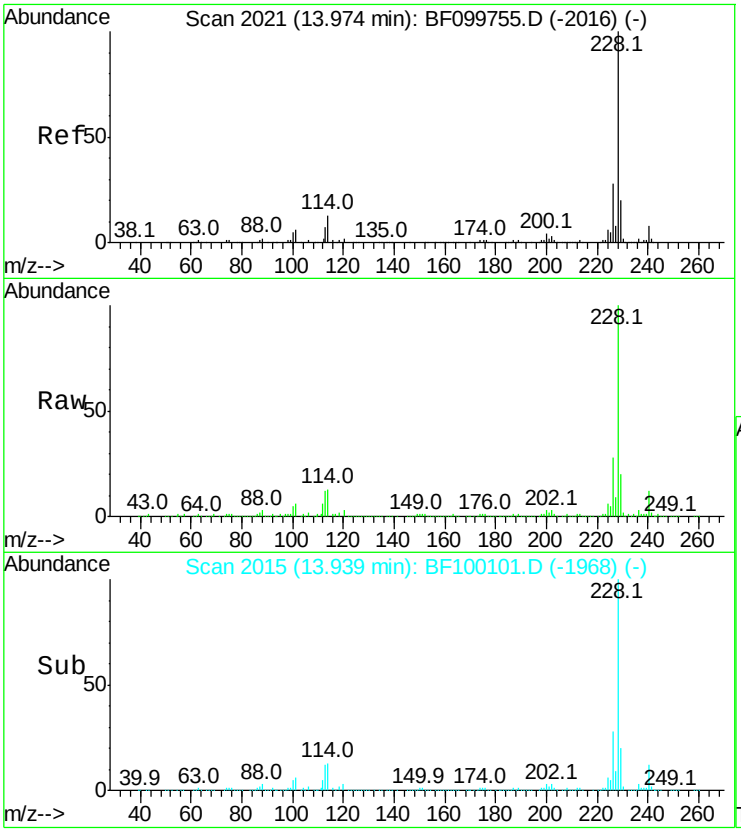


#78
Terphenyl-d14
Concen: 5.622 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:244 Resp: 42403

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.9	11.0	16.4

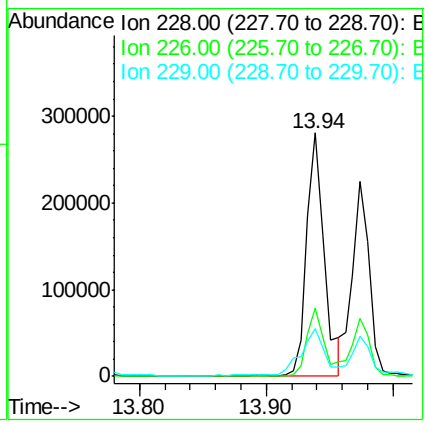




#80
Benzo(a)anthracene
Concen: 26.189 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

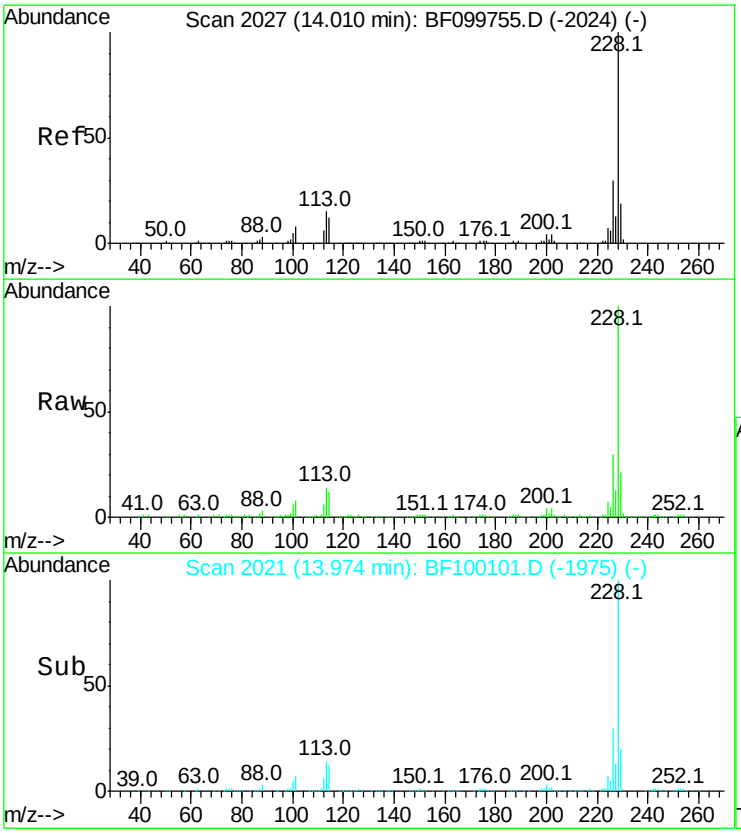
Tgt Ion:228 Resp: 273639

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

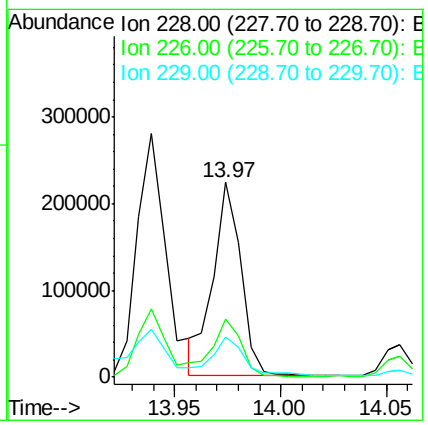
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

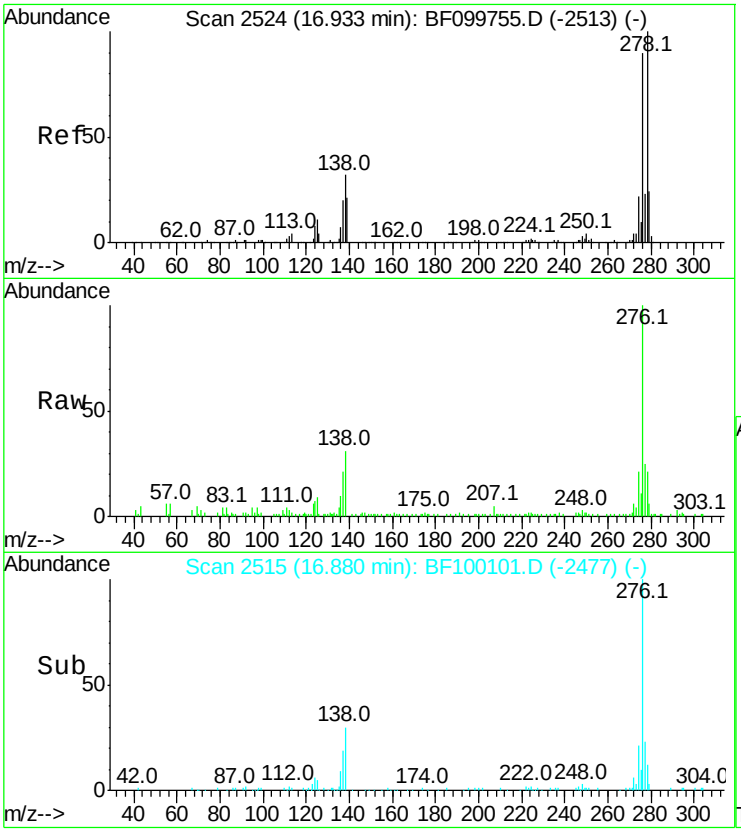


#82
Chrysene
Concen: 21.018 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.03 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:228 Resp: 206456

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.8	16.2	24.4

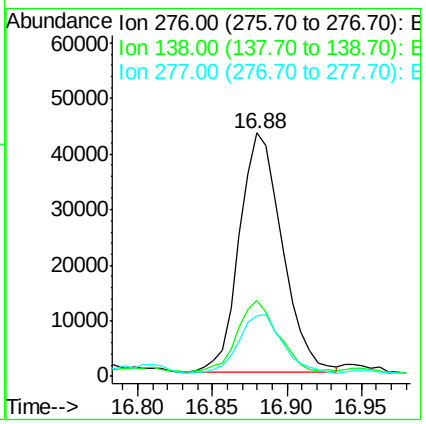




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.520 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.08 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

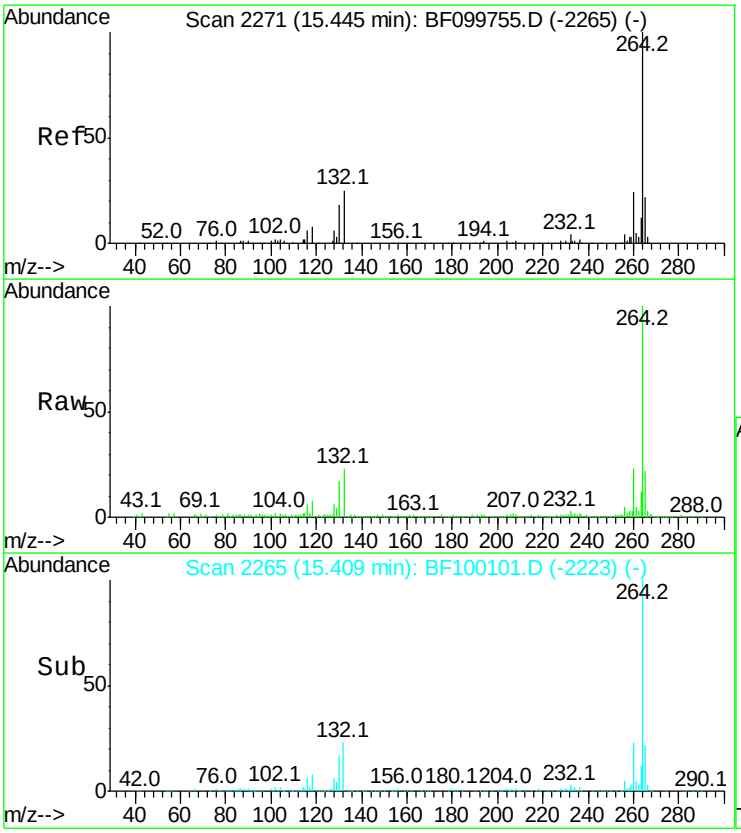
Tgt Ion:276 Resp: 85848

Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	25.3	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

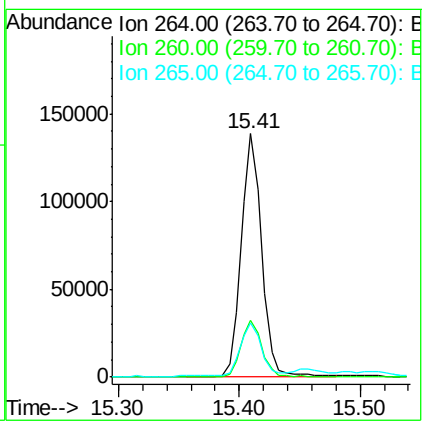
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

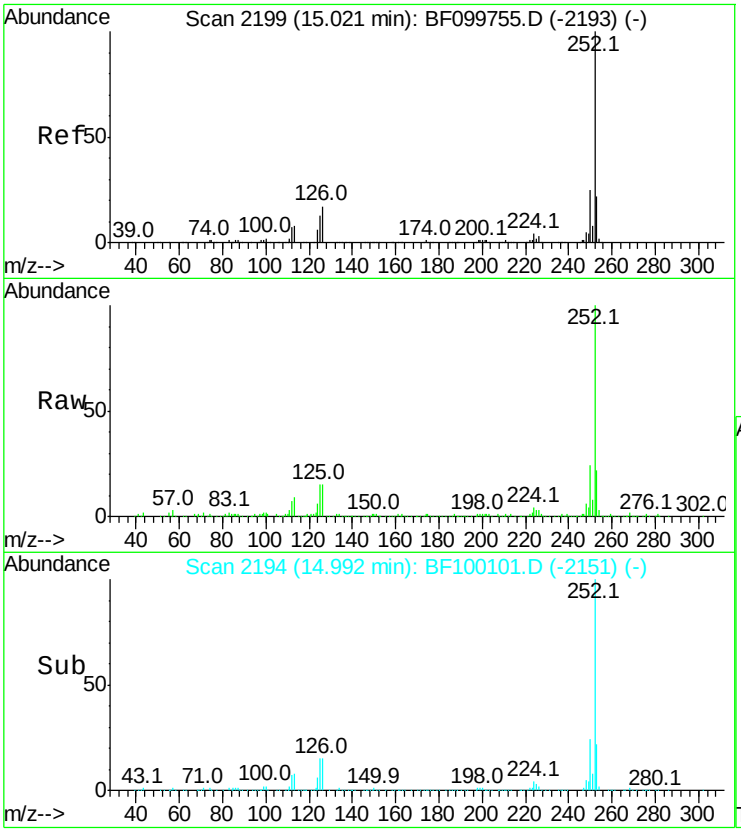


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.05 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:264 Resp: 165384

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3

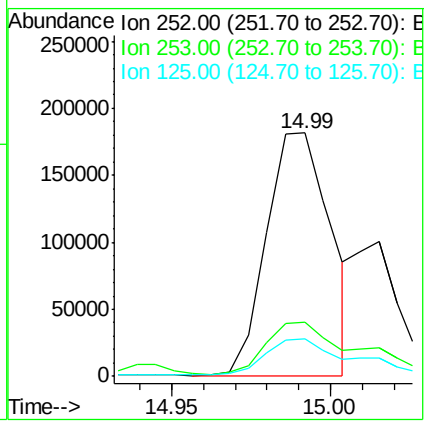




#87
Benzo(b)fluoranthene
Concen: 24.376 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

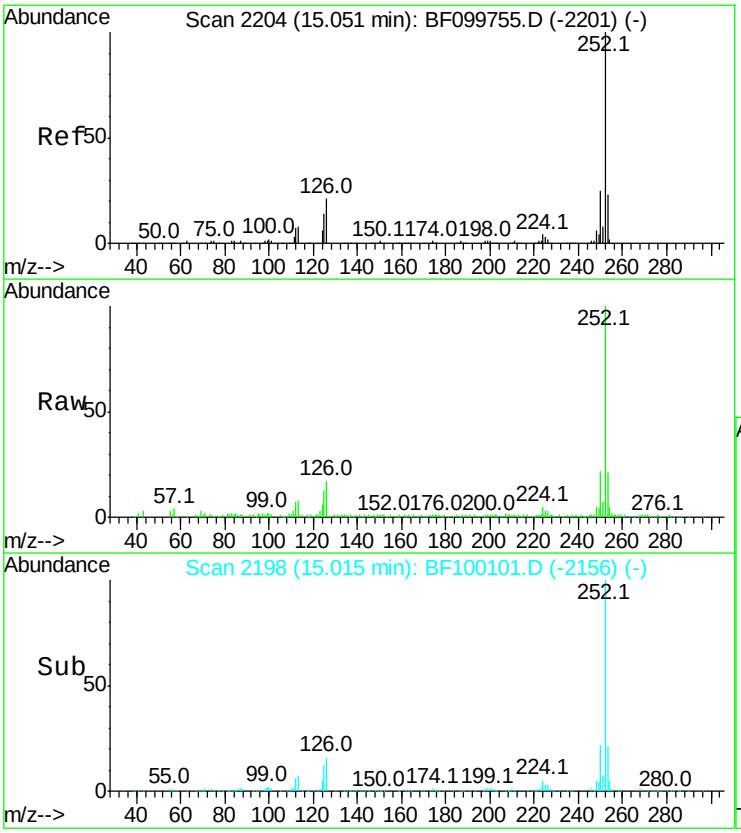
Tgt Ion:252 Resp: 254563

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	15.2	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

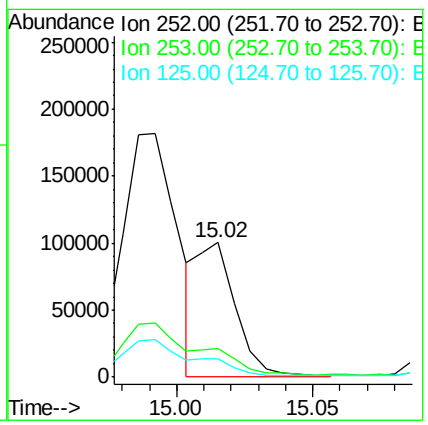
Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

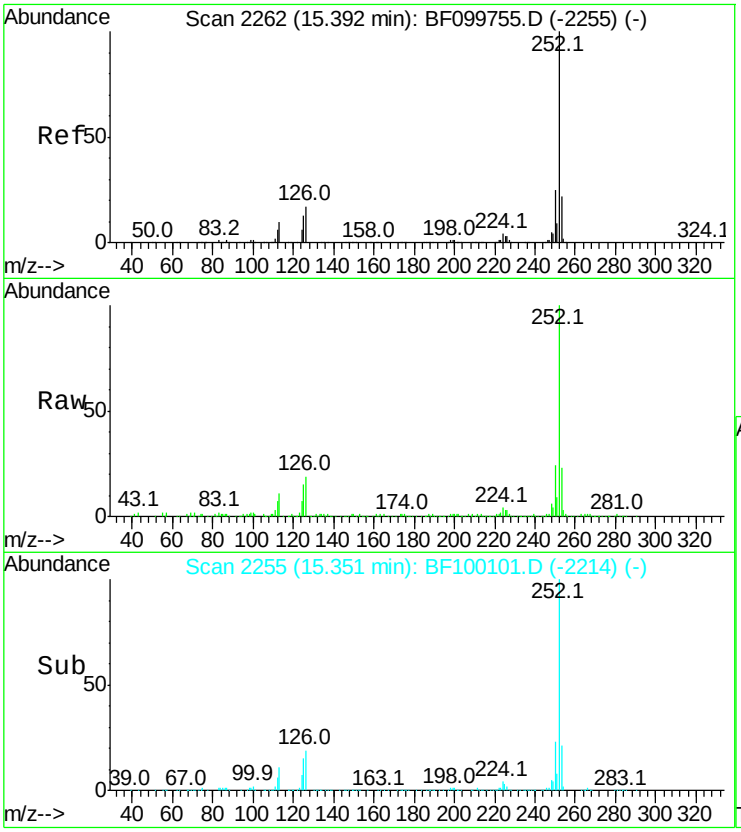


#88
Benzo(k)fluoranthene
Concen: 10.089 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.05 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:252 Resp: 99348

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	13.2	10.2	15.2





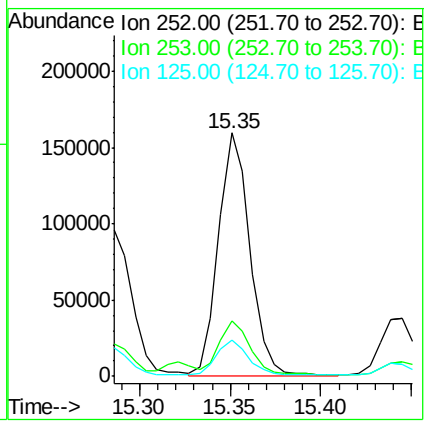
#89
Benzo(a)pyrene
Concen: 20.399 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.06 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

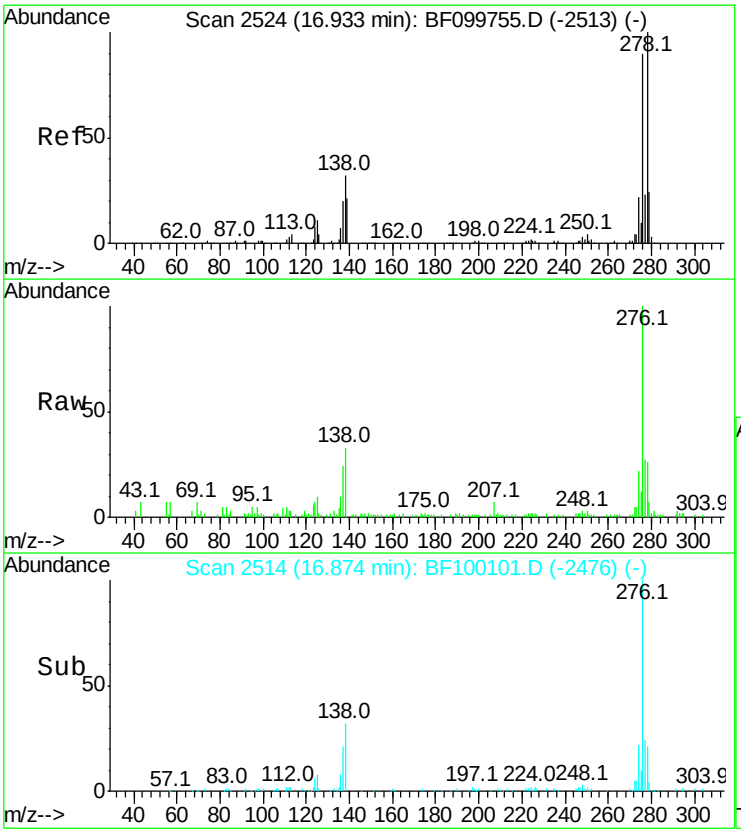
Tgt Ion:252 Resp: 191359

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.0	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
HR-05-103117

Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM

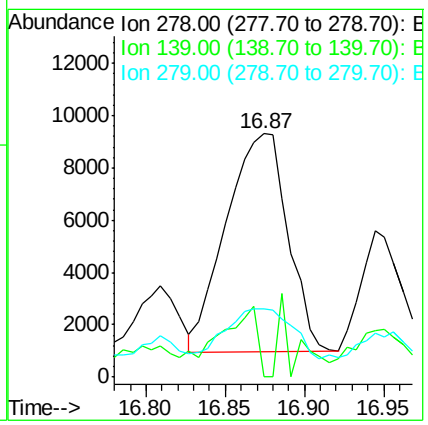


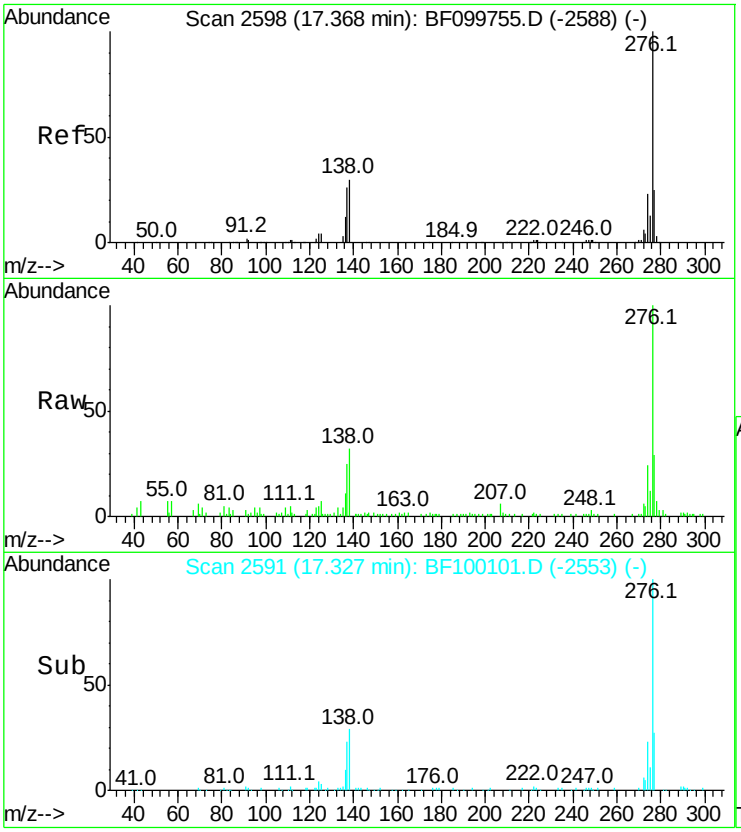


#90
Dibenzo(a,h)anthracene
Concen: 2.700 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.08 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:278 Resp: 22510

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.1	19.0	28.4

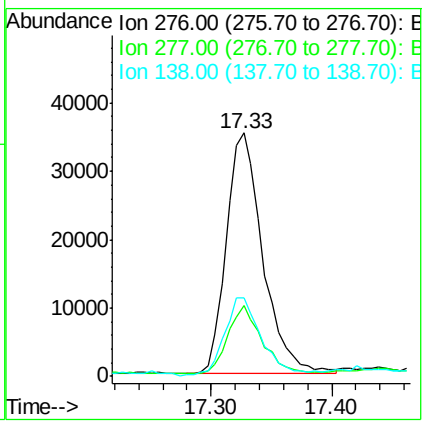




#91
Benzo(g,h,i)perylene
Concen: 9.104 ng
RT: 17.33 min Scan# 2591
Delta R.T. -0.08 min
Lab File: BF100101.D
Acq: 2 Nov 2017 22:38

Tgt Ion:276 Resp: 74248

Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	32.4	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
HR-05-103117

Manual Integrations APPROVED
Sohil
11/3/2017 11:20:24 AM