Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112974.D
Acq On : 12 Mar 2019 00:11
Operator : JU/SJ
Sample : K1692-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-030819

Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

Quant Time: Mar 12 06:59:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	171633	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	662974	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	390592	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	778158	20.00	ng	0.00
76) Chrysene-d12	13.87	240	539996	20.00	ng	0.00
87) Perylene-d12	15.27	264	432441	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	119519	10.83	ng	-0.02
7) Phenol-d6	6.36	99	171792	12.39	ng	0.00
23) Nitrobenzene-d5	7.29	82	92867	8.38	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	64391	15.53	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	251324	7.32	ng	-0.01
79) Terphenyl-d14	12.82	244	251861	9.04	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.79	154	50384	2.040	ng	96
58) Fluorene	10.31	166	84606	3.321	ng	97
71) Phenanthrene	11.26	178	486253	12.559	ng	99
72) Anthracene	11.32	178	125092	3.087	ng	98
75) Fluoranthene	12.44	202	650721	15.688	ng	98
78) Pyrene	12.67	202	688966	15.134	ng	99
81) Benzo(a)anthracene	13.86	228	285203	7.621	ng	93
83) Chrysene	13.89	228	262108	7.150	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	92195m	2.950	ng	
88) Benzo(b)fluoranthene	14.87	252	266835m	9.540	ng	
89) Benzo(k)fluoranthene	14.90	252	90166m	3.559	ng	
90) Benzo(a)pyrene	15.22	252	192029	7.762	ng	97
92) Benzo(g,h,i)perylene	17.04	276	97430	4.596	ng	95

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

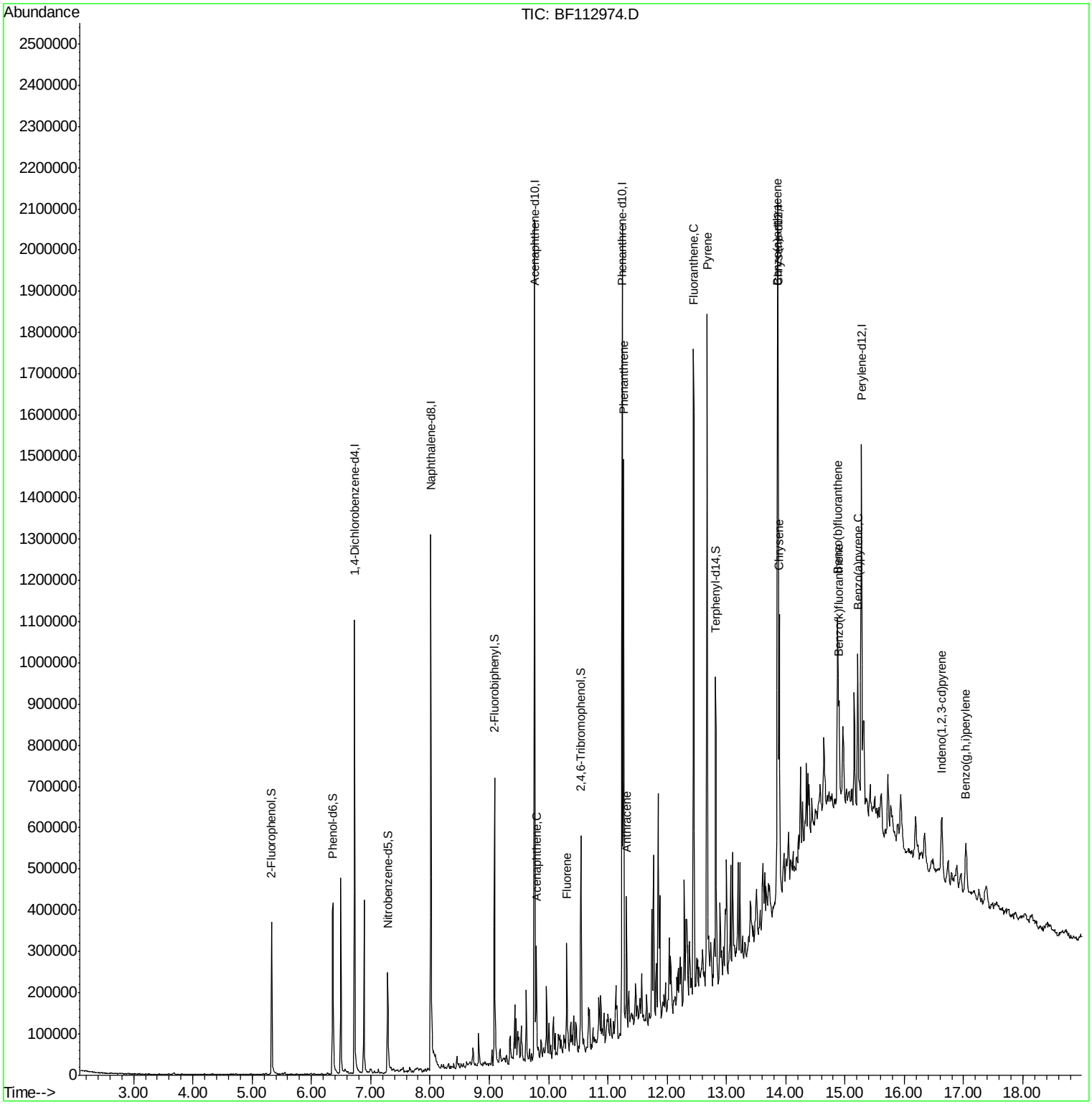
Quantitation Report (LSC Reviewed)

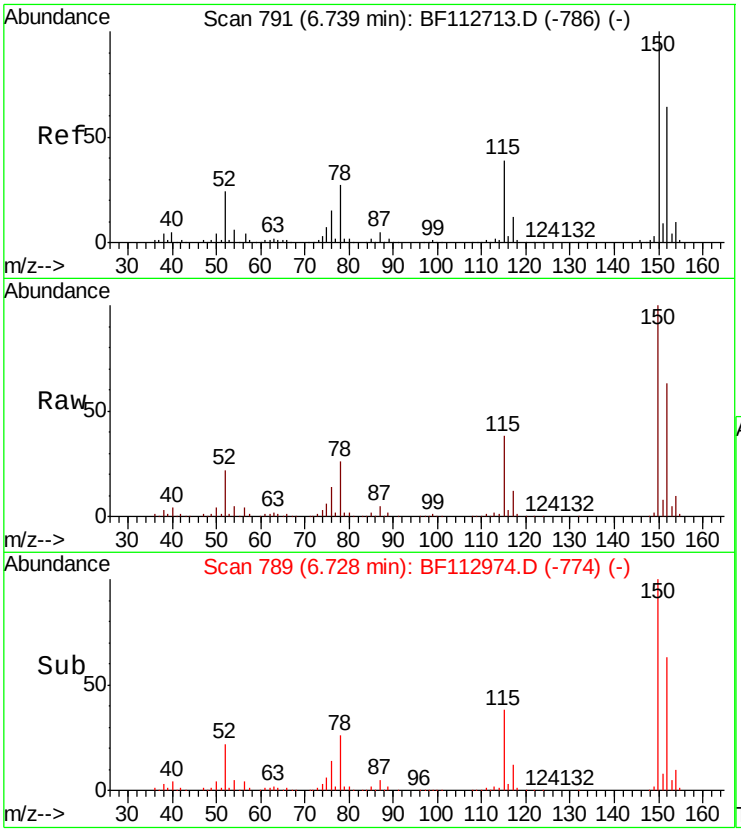
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112974.D
Acq On : 12 Mar 2019 00:11
Operator : JU/SJ
Sample : K1692-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 12 06:59:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-01-030819

Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

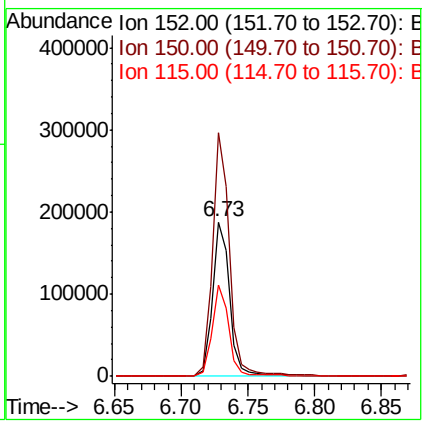




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

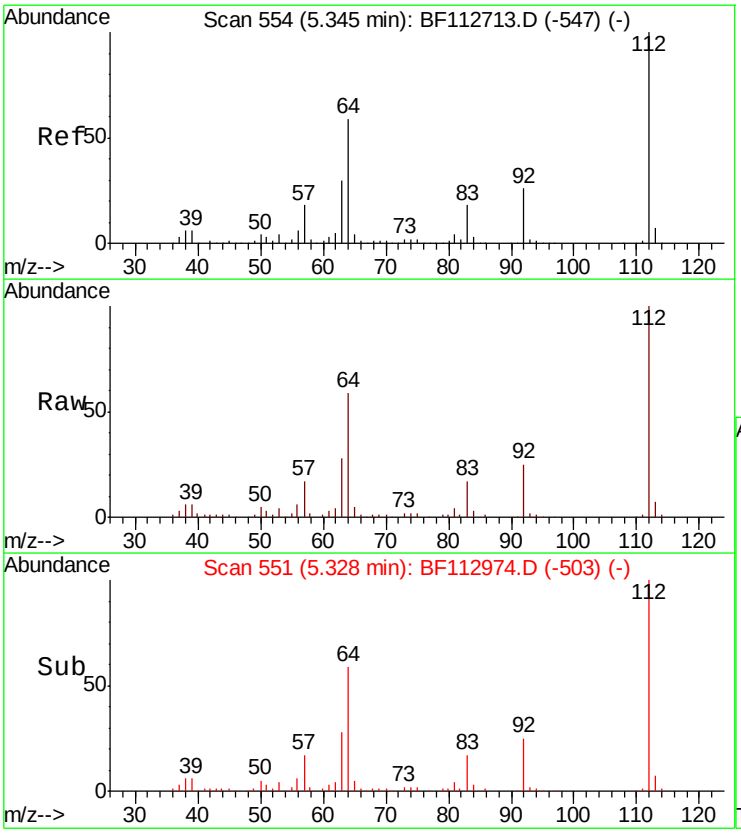
Tgt Ion:152 Resp: 171633

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.2	186.2
115	59.1	48.2	72.4



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

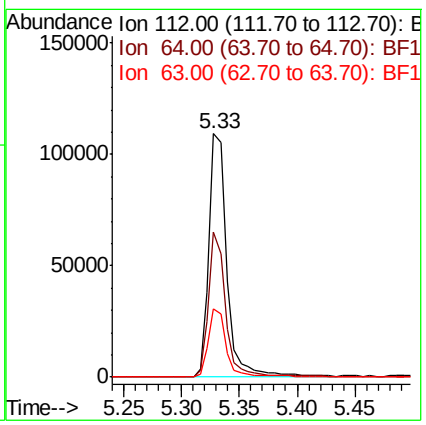
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

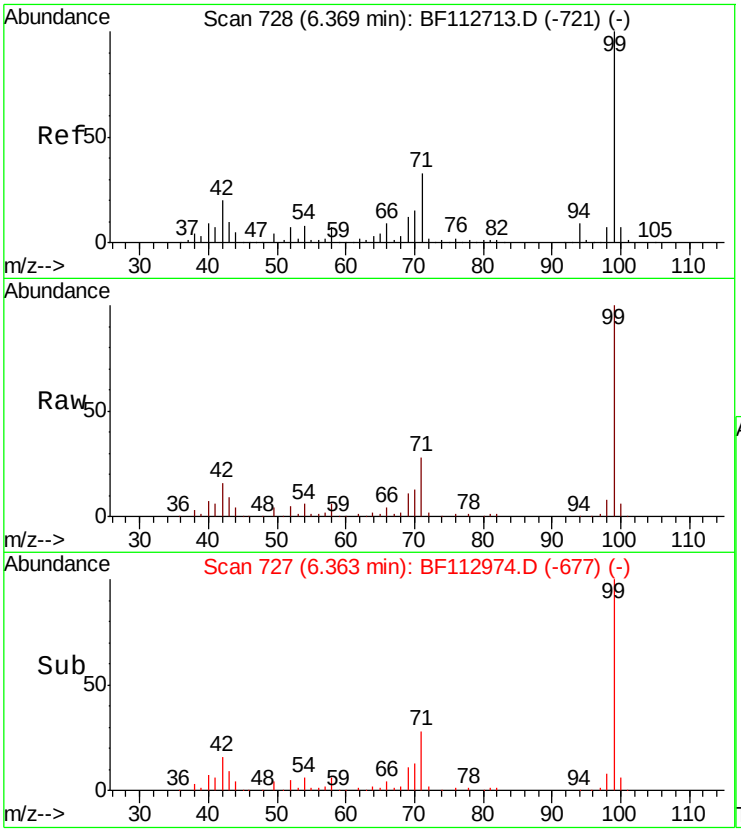


#5
2-Fluorophenol
Concen: 10.832 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:112 Resp: 119519

Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.6	71.4
63	28.3	24.4	36.6

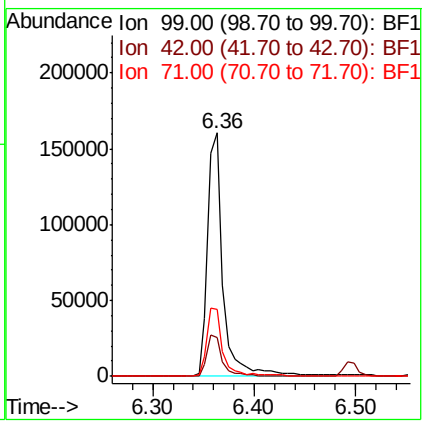




#7
Phenol-d6
Concen: 12.395 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

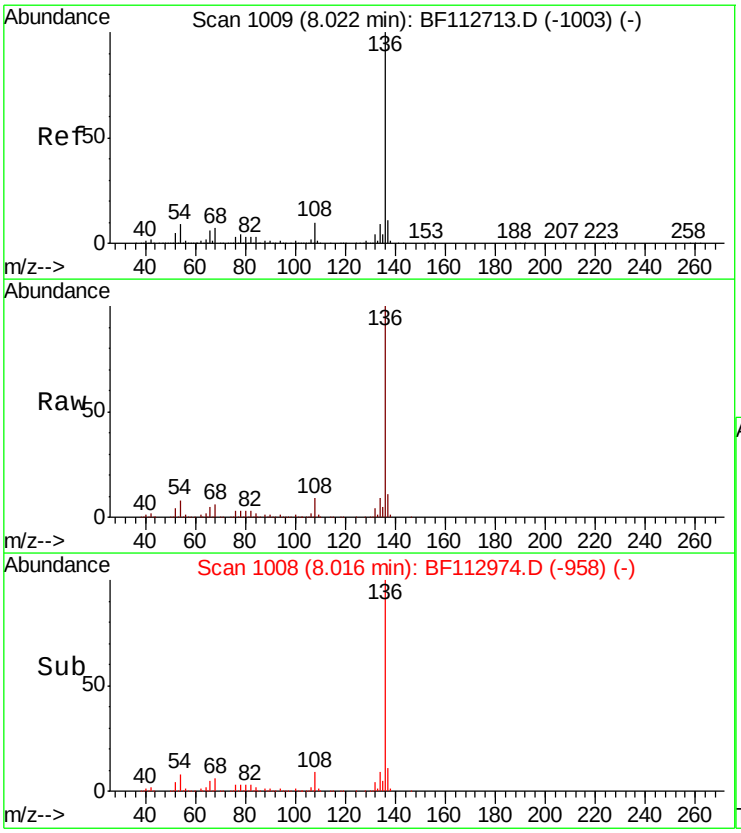
Tgt Ion: 99 Resp: 171792

Ion	Ratio	Lower	Upper
99	100		
42	15.8	16.3	24.5#
71	27.7	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

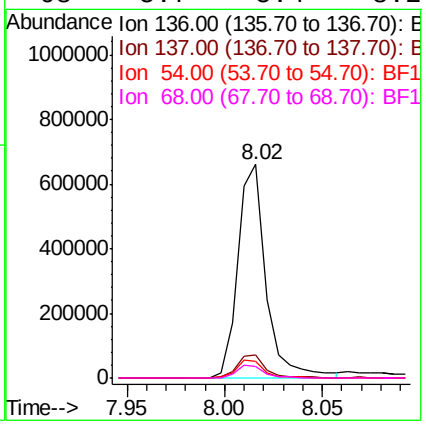
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

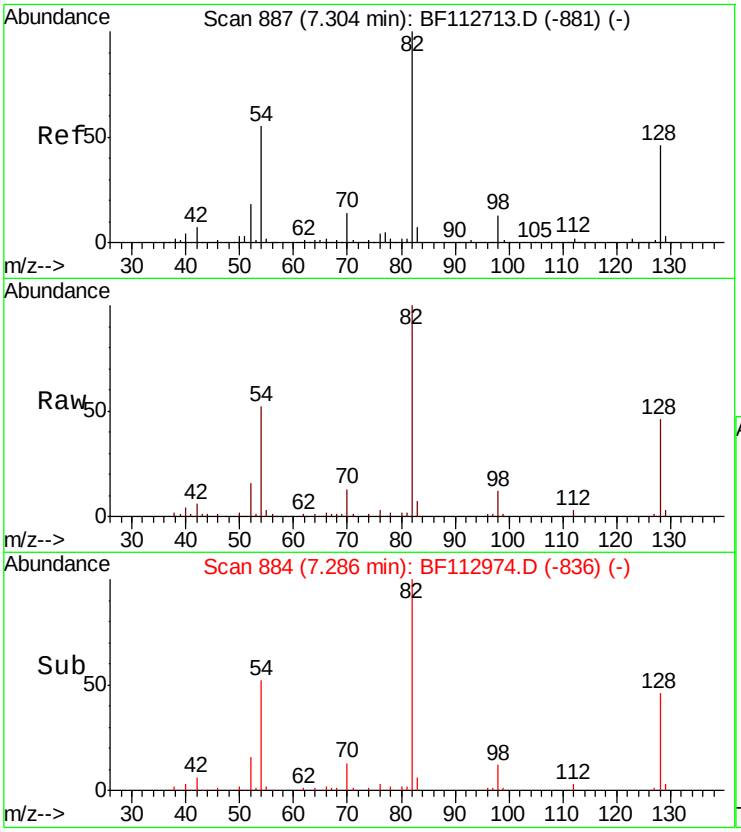


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:136 Resp: 662974

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.5	7.3	10.9
68	5.7	5.4	8.2

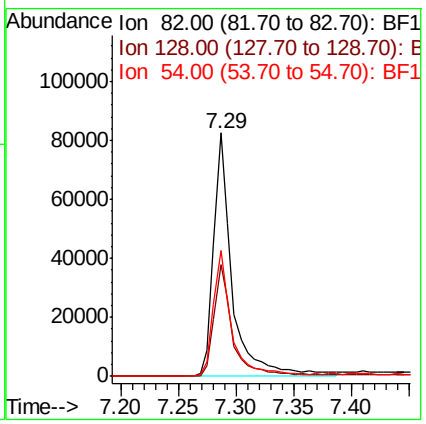




#23
Nitrobenzene-d5
Concen: 8.382 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

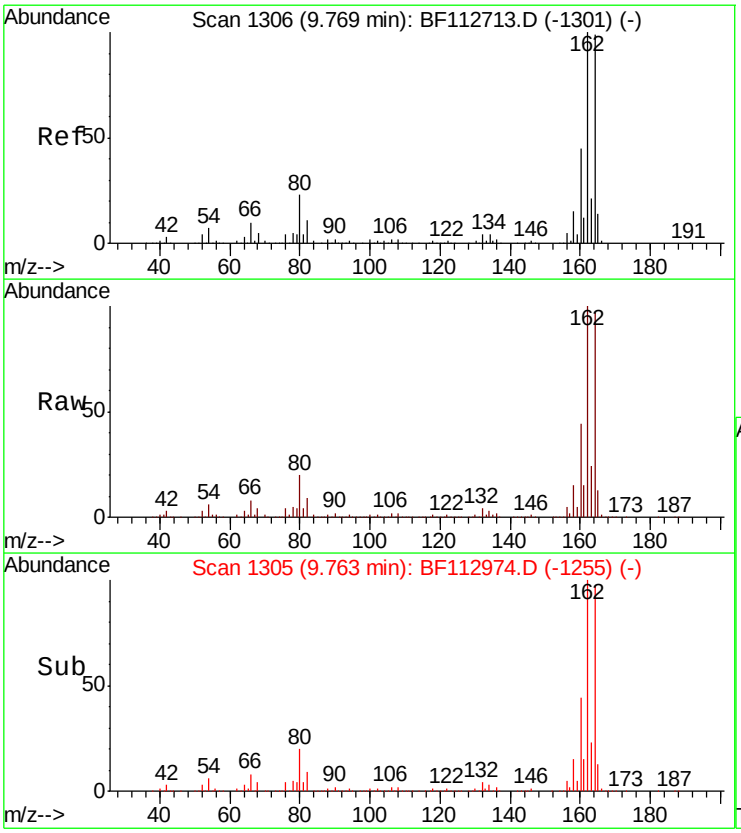
Tgt Ion: 82 Resp: 92867

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.3	54.5
54	51.7	43.7	65.5



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

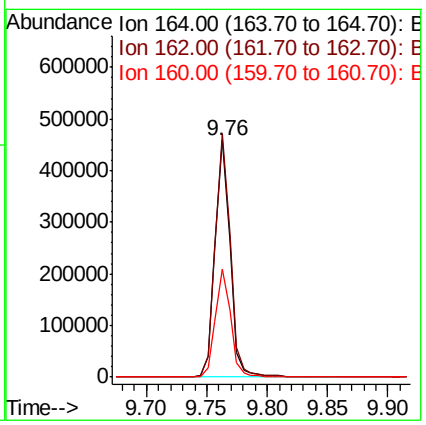
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

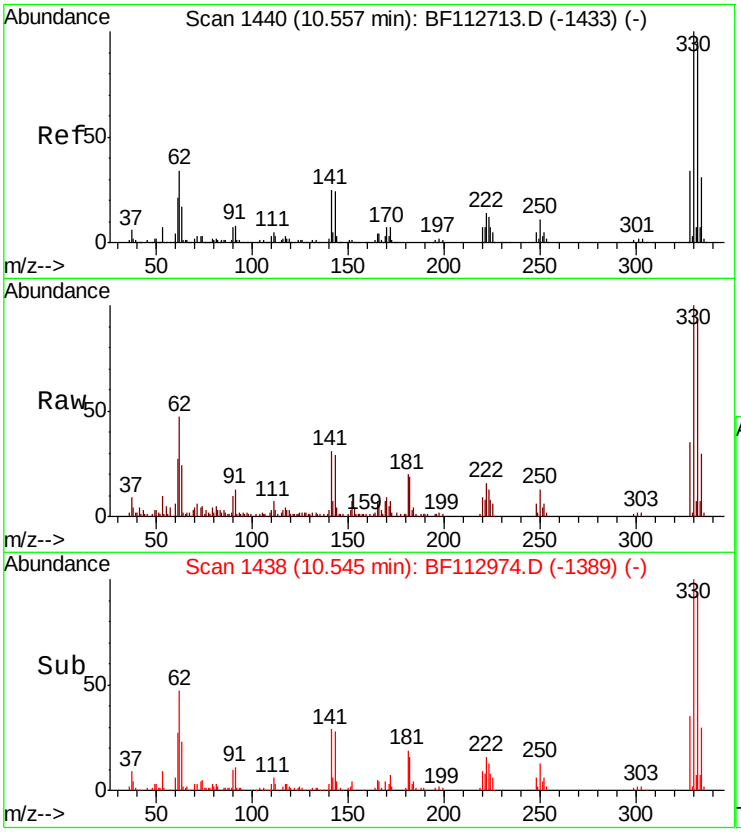


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:164 Resp: 390592

Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.6	120.8
160	45.6	36.0	54.0

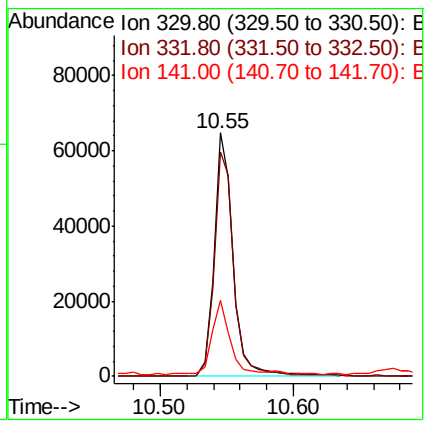




#42
2,4,6-Tribromophenol
Concen: 15.529 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

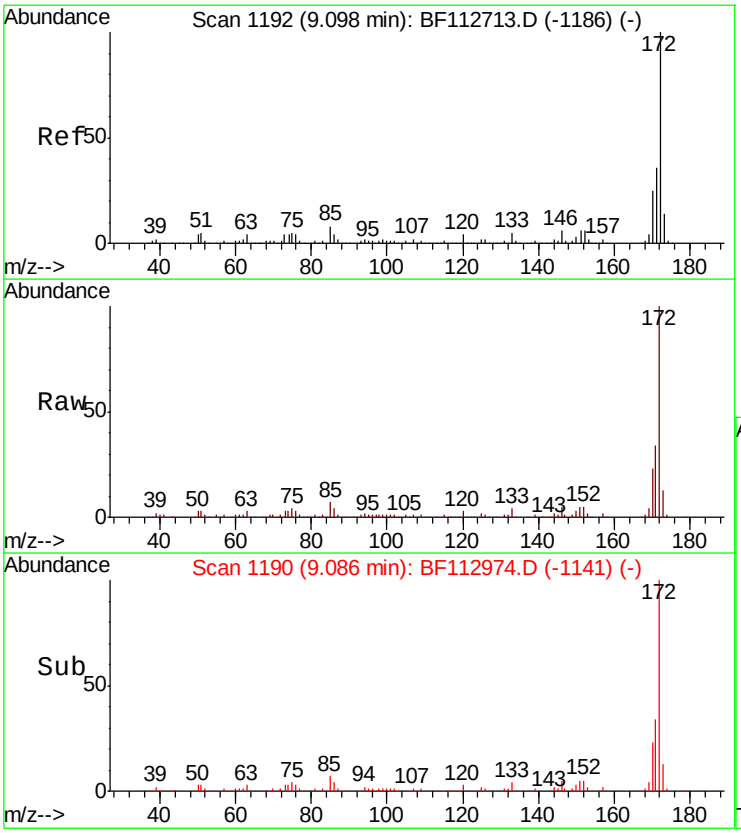
Tgt Ion:330 Resp: 64391

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.2	114.4
141	29.0	27.0	40.6



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

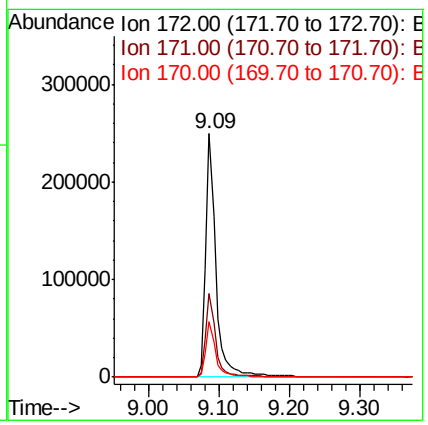
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

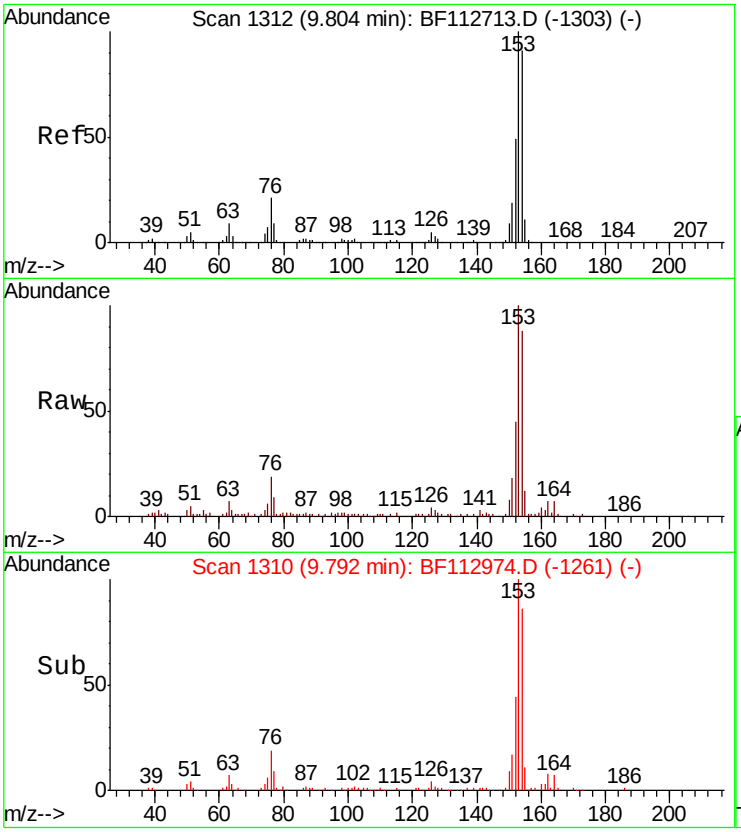


#45
2-Fluorobiphenyl
Concen: 7.323 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:172 Resp: 251324

Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.0	43.4
170	23.0	20.0	30.0

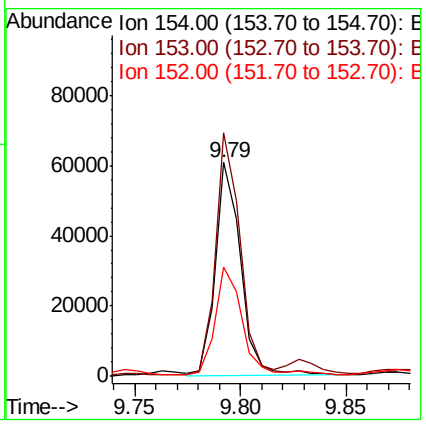




#52
Acenaphthene
Concen: 2.040 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

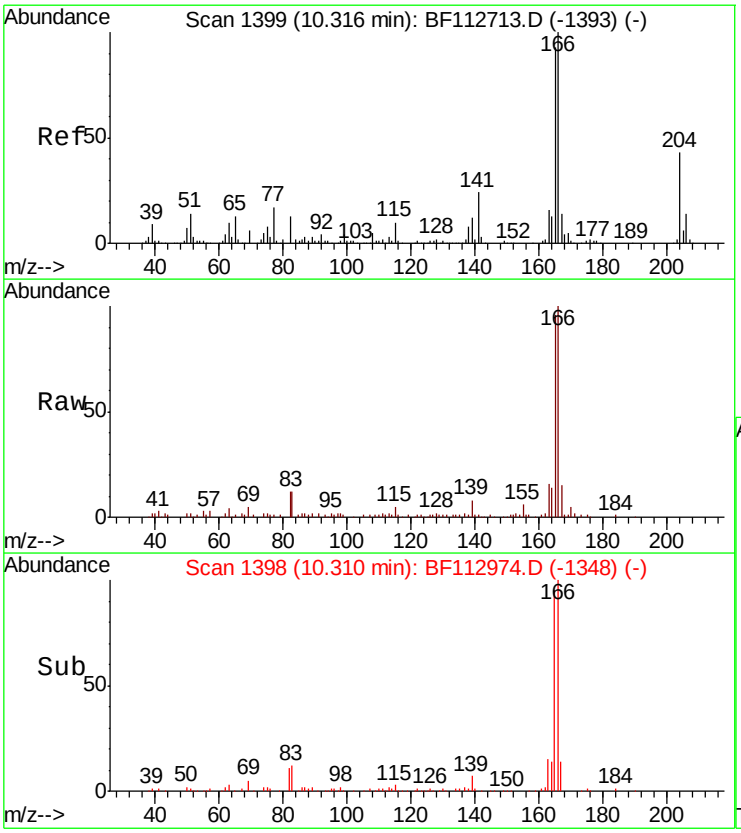
Tgt Ion:154 Resp: 50384

Ion	Ratio	Lower	Upper
154	100		
153	114.0	87.8	131.8
152	51.4	43.0	64.6



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

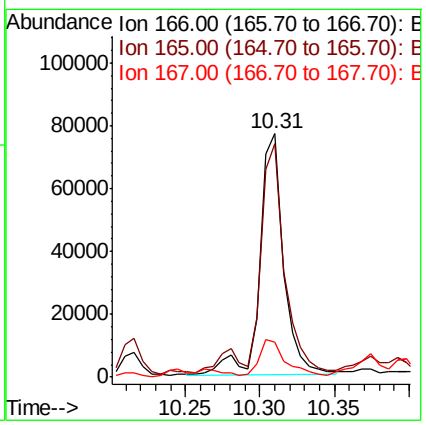
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

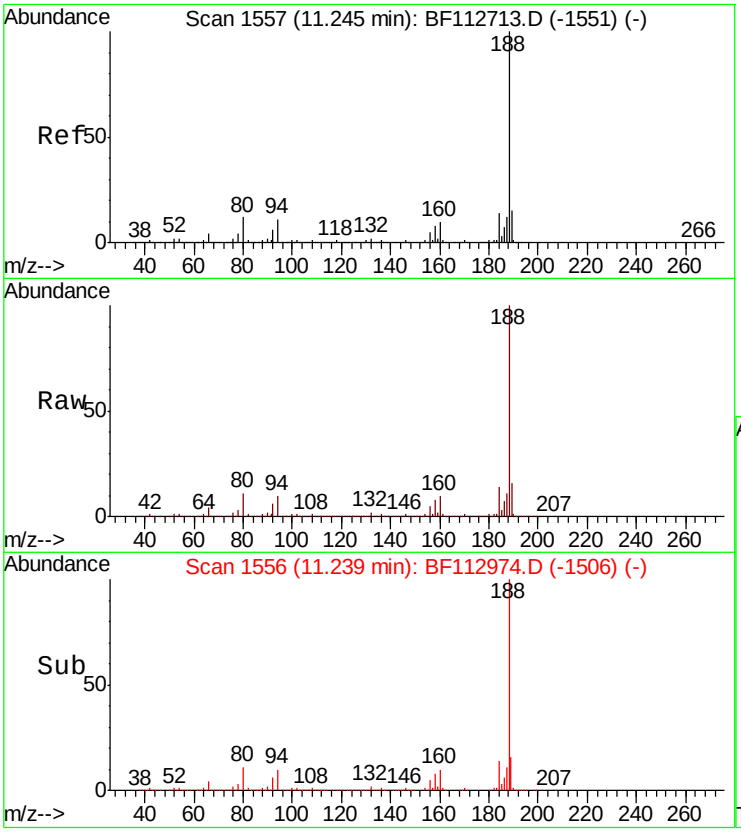


#58
Fluorene
Concen: 3.321 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:166 Resp: 84606

Ion	Ratio	Lower	Upper
166	100		
165	96.1	74.7	112.1
167	14.6	11.0	16.6

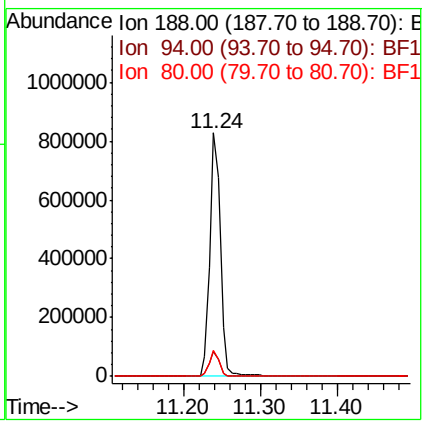




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

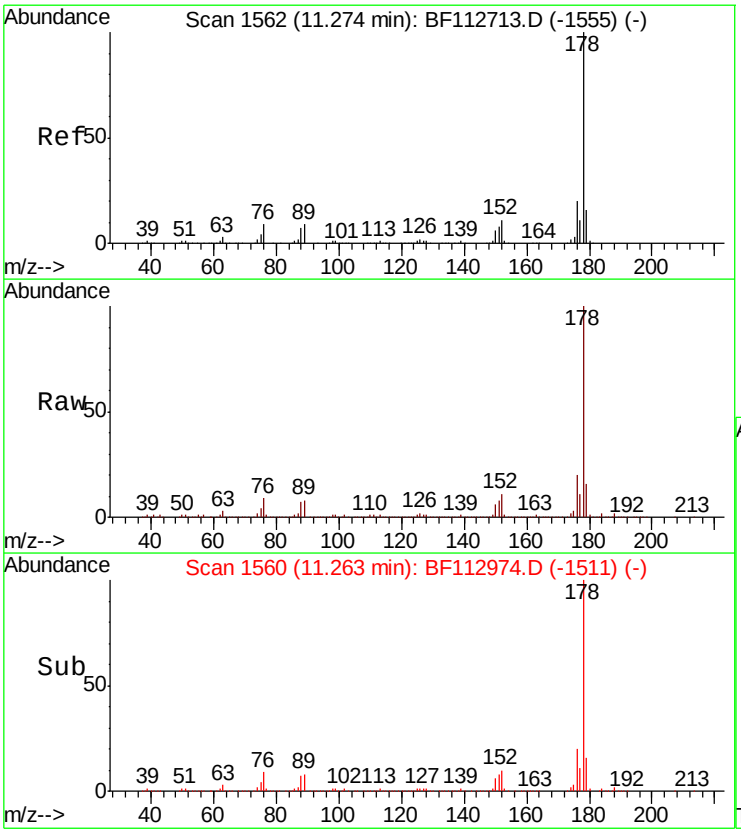
Tgt Ion:188 Resp: 778158

Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.0	13.4
80	10.7	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

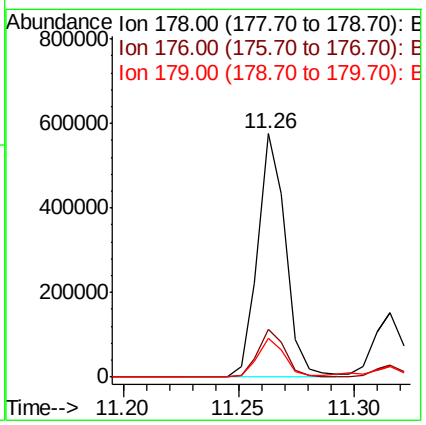
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

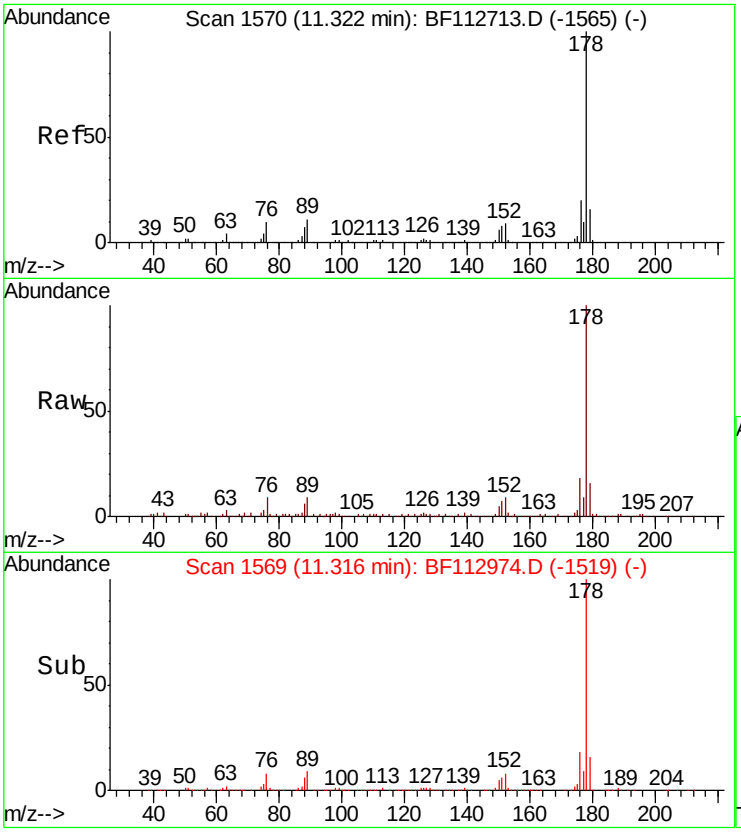


#71
Phenanthrene
Concen: 12.559 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:178 Resp: 486253

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.9	12.7	19.1

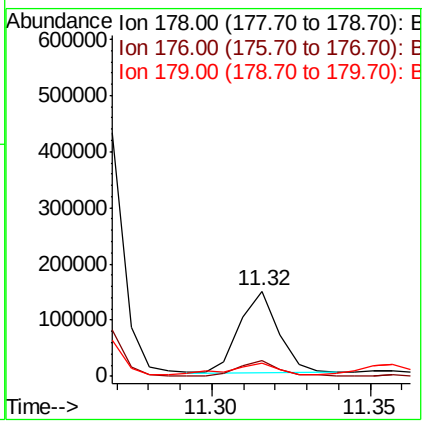




#72
Anthracene
Concen: 3.087 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

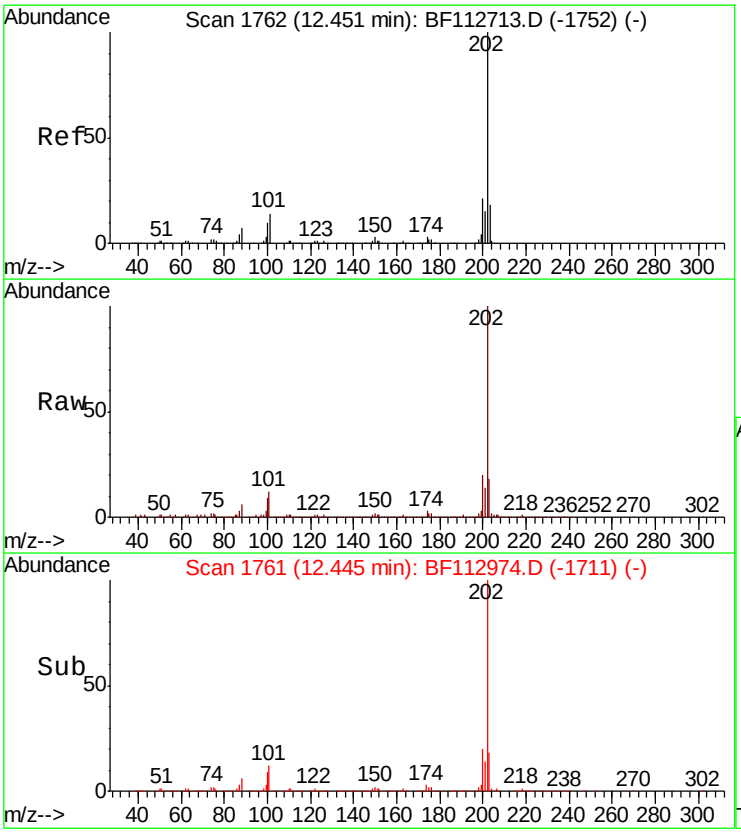
Tgt Ion:178 Resp: 125092

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	16.3	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

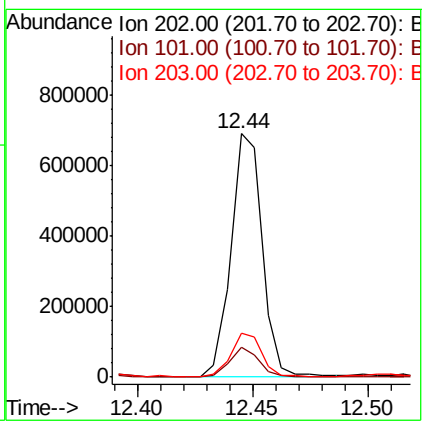
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

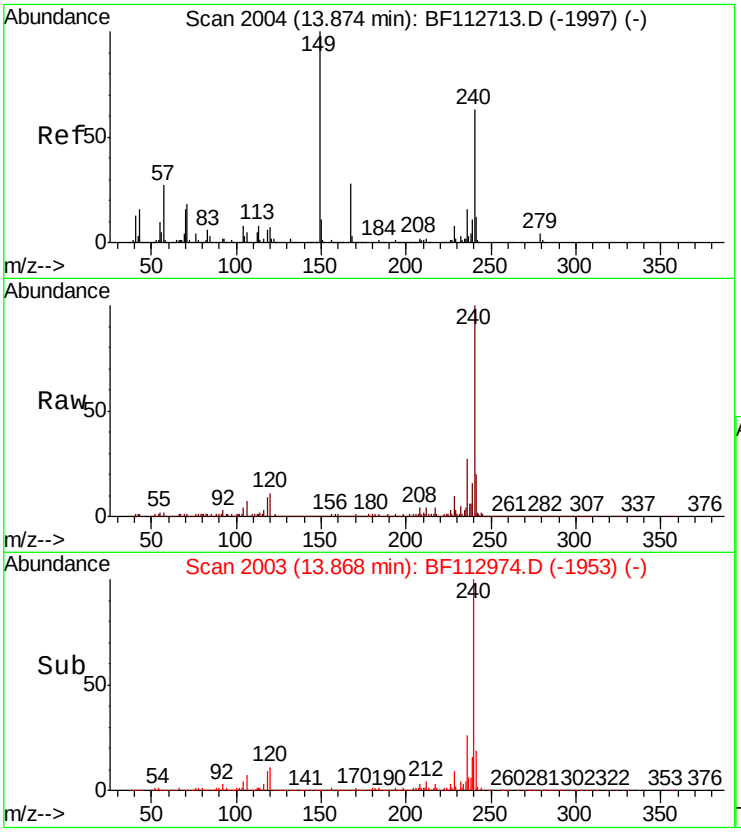


#75
Fluoranthene
Concen: 15.688 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:202 Resp: 650721

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.8
203	18.1	0.0	38.4

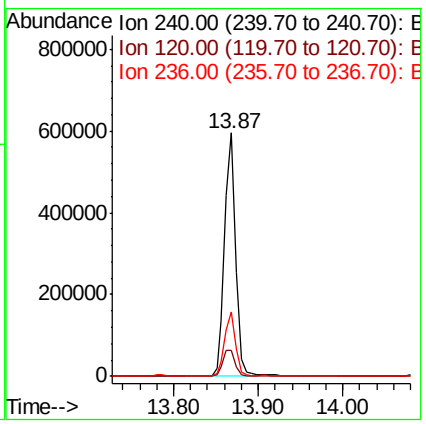




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

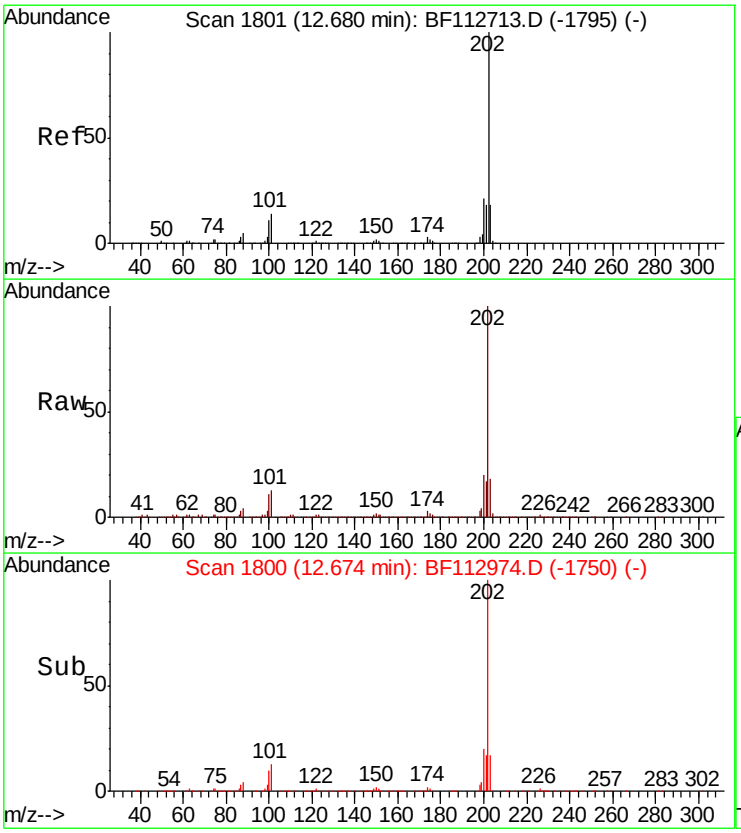
Tgt Ion:240 Resp: 539996

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	26.5	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

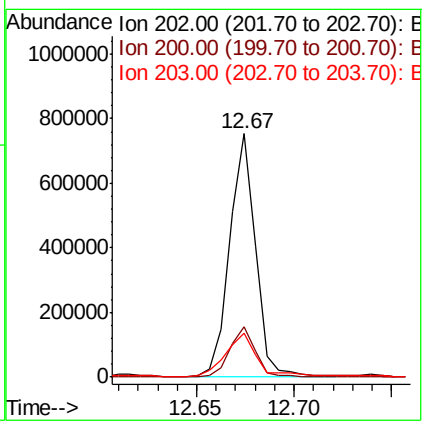
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

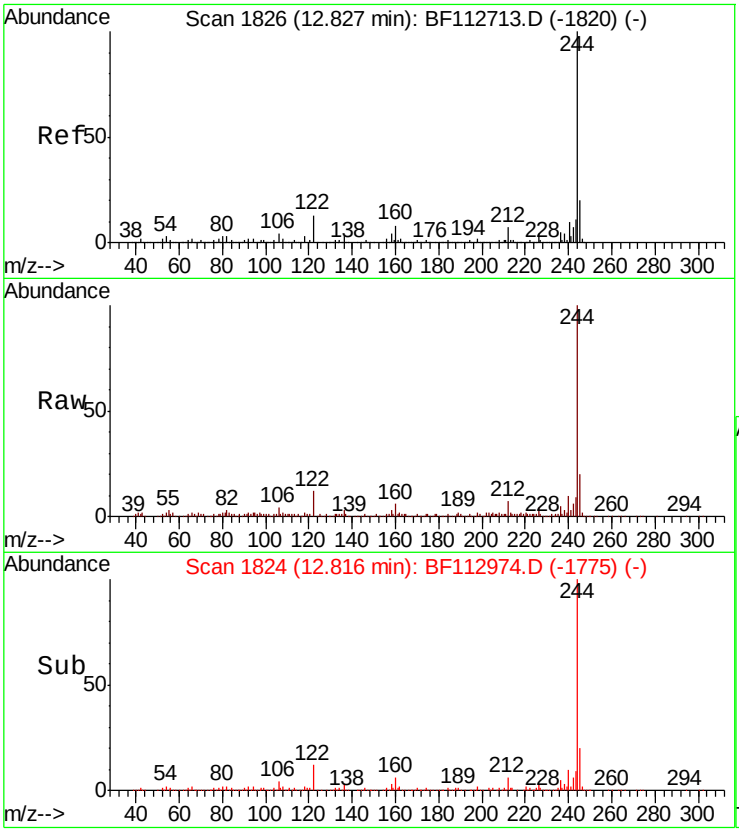


#78
Pyrene
Concen: 15.134 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:202 Resp: 688966

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.1	14.4	21.6

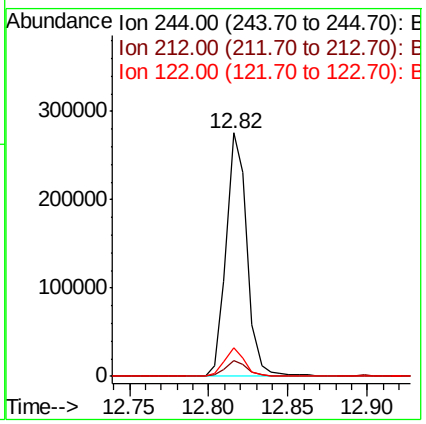




#79
Terphenyl-d14
Concen: 9.041 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

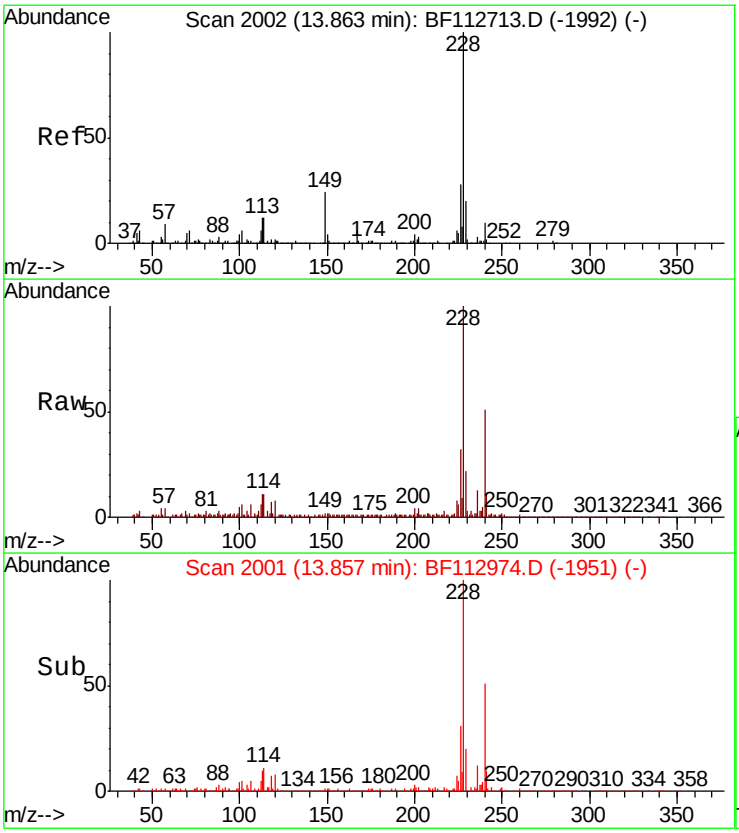
Tgt Ion:244 Resp: 251861

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

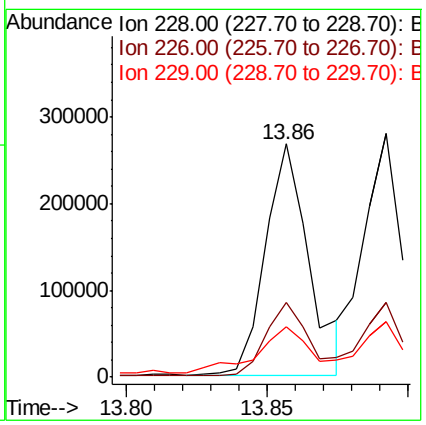
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

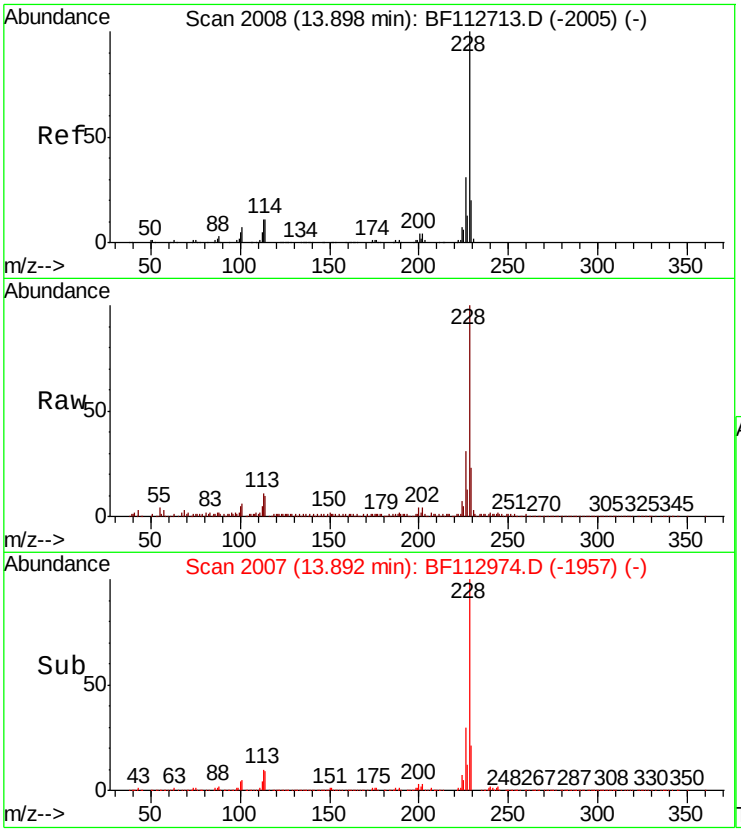


#81
Benzo(a)anthracene
Concen: 7.621 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:228 Resp: 285203

Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.2	33.4
229	21.9	16.0	24.0

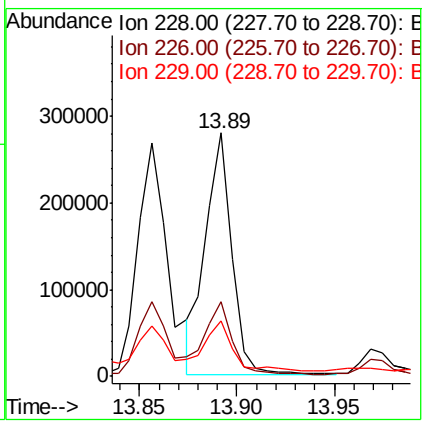




#83
Chrysene
Concen: 7.150 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

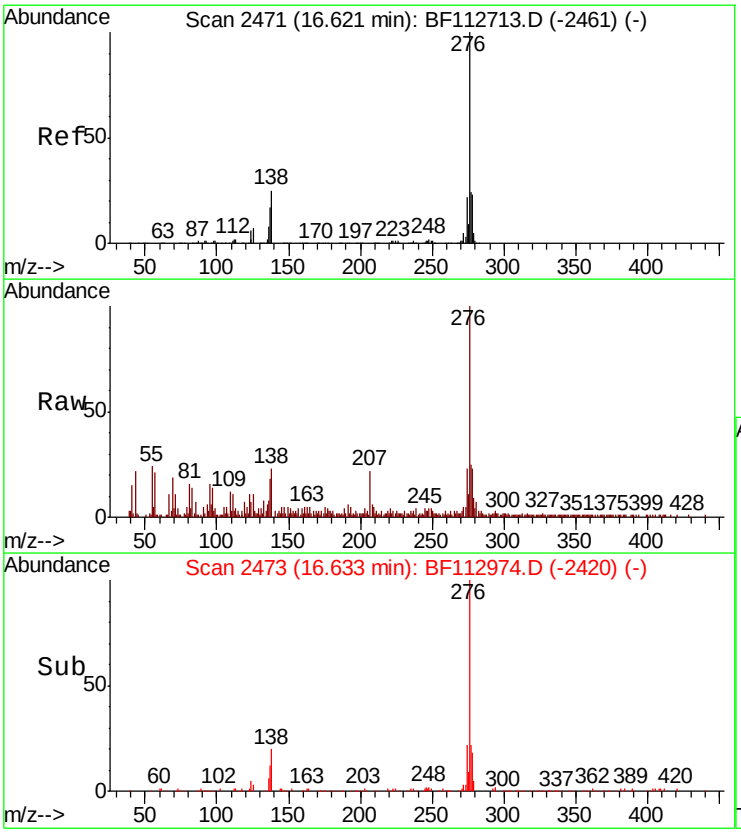
Tgt Ion:228 Resp: 262108

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.9	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

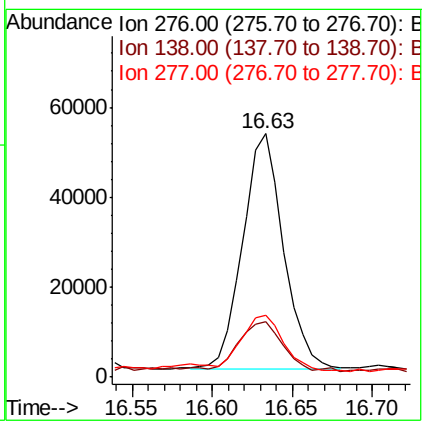
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

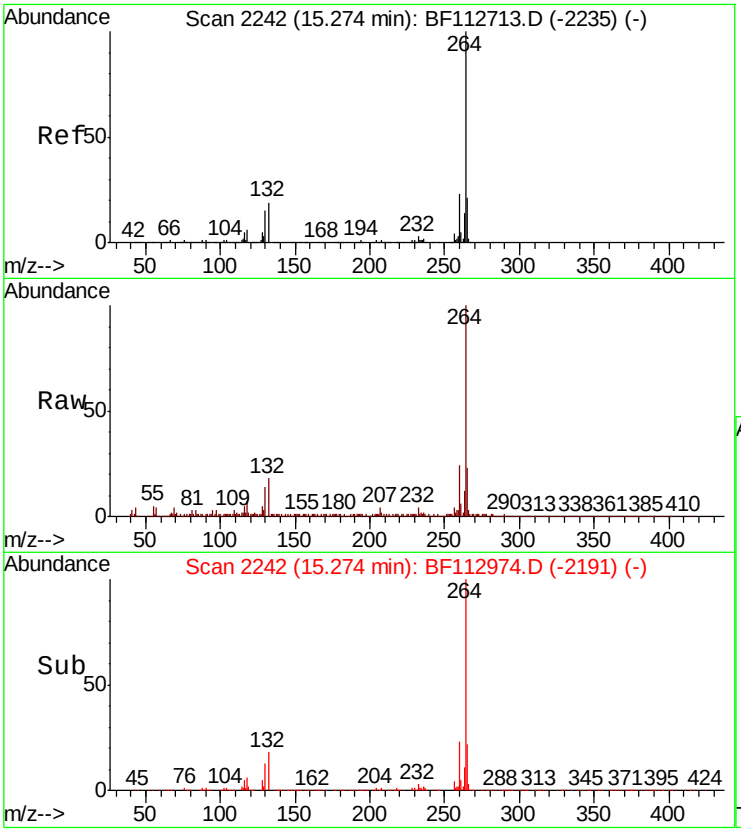


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.950 ng m
RT: 16.63 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:276 Resp: 92195

Ion	Ratio	Lower	Upper
276	100		
138	6.1	23.2	34.8#
277	5.5	19.9	29.9#

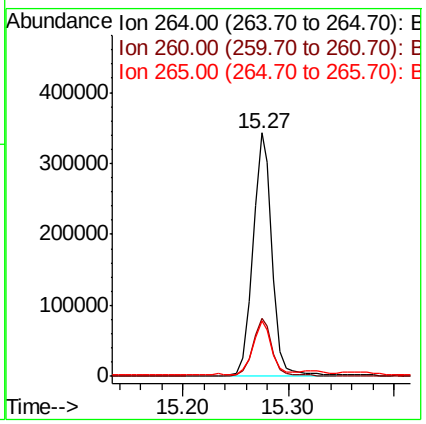




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

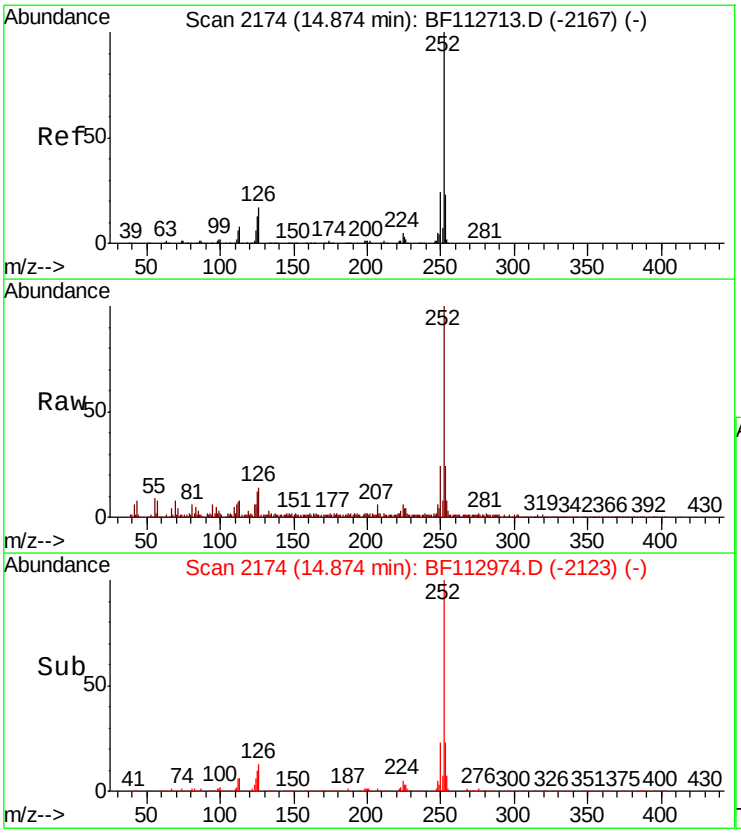
Tgt Ion:264 Resp: 432441

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.8	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

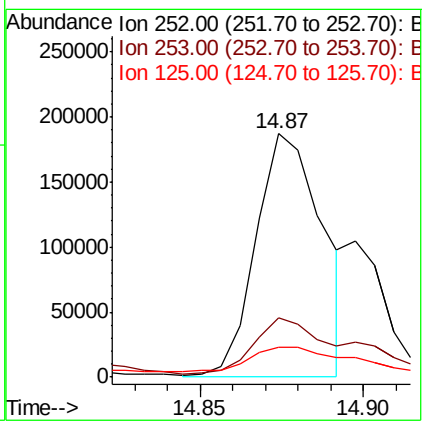
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

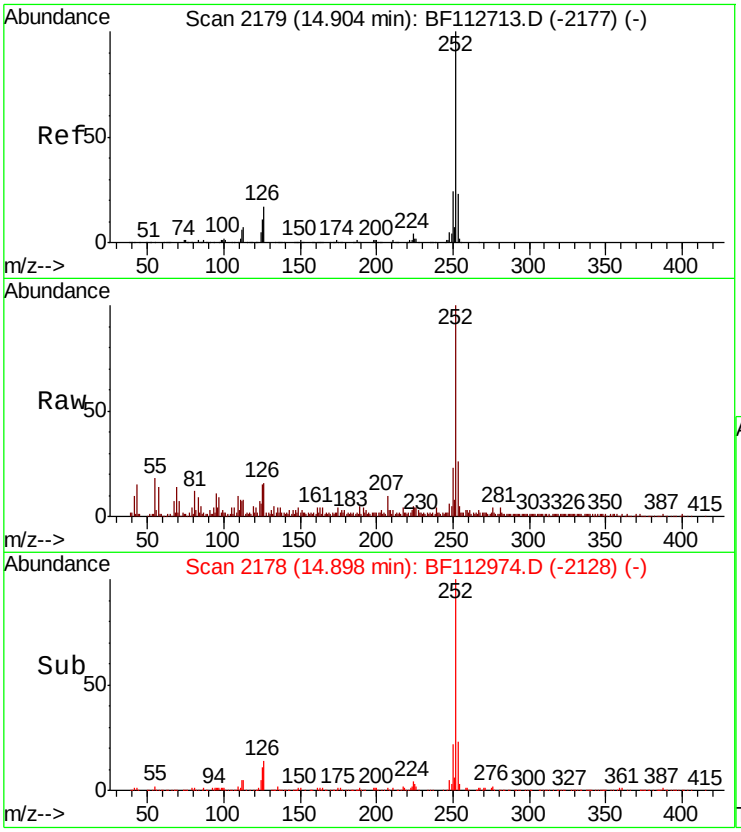


#88
Benzo(b)fluoranthene
Concen: 9.540 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:252 Resp: 266835

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.4	10.2	15.2

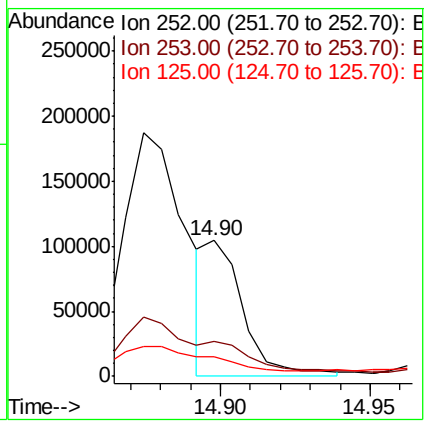




#89
Benzo(k)fluoranthene
Concen: 3.559 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

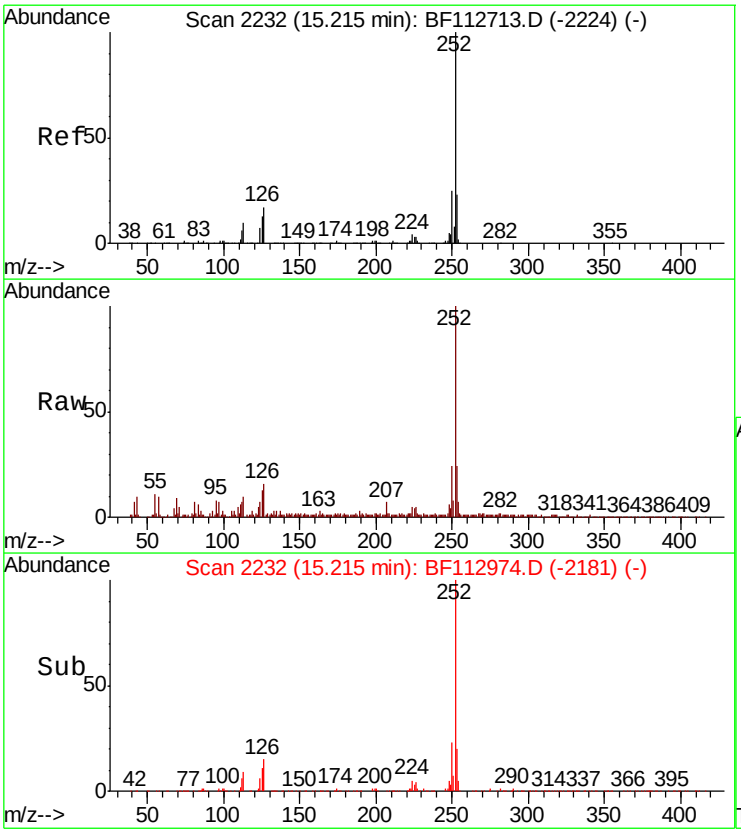
Tgt Ion:252 Resp: 90166

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	14.9	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

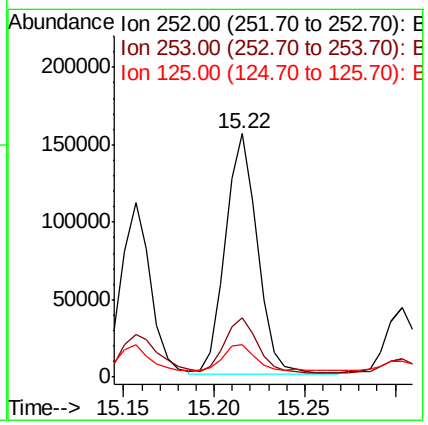
Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM

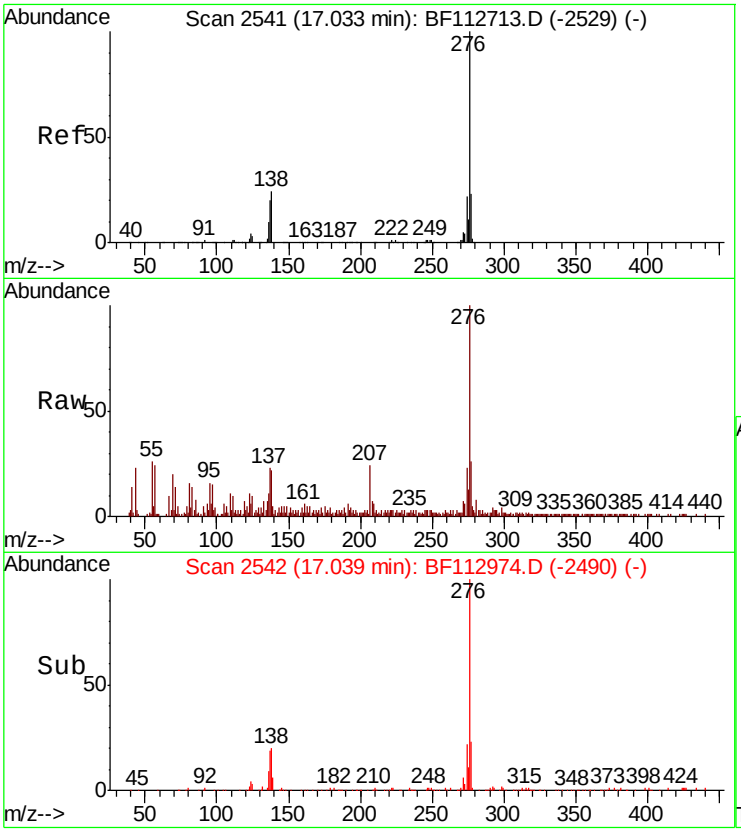


#90
Benzo(a)pyrene
Concen: 7.762 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:252 Resp: 192029

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	13.3	10.7	16.1

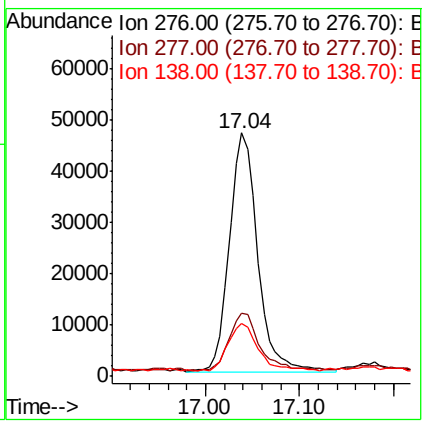




#92
Benzo(g,h,i)perylene
Concen: 4.596 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF112974.D
Acq: 12 Mar 2019 00:11

Tgt Ion:276 Resp: 97430

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	27.8
138	21.8	19.4	29.0



Instrument :
BNA_F
ClientSampleId :
OK-01-030819

Manual Integrations APPROVED
Sohil
3/12/2019 4:28:56 PM