Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087378.D
Acq On : 25 May 2016 18:27
Operator : UM/SJ
Sample : H3211-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TA-1304-(0-4)

Quant Time: May 25 22:30:20 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	105727	20.00	ng		0.00
21) Naphthalene-d8	9.54	136	404835	20.00	ng		-0.01
38) Acenaphthene-d10	12.38	164	159205	20.00	ng		-0.01
63) Phenanthrene-d10	14.78	188	250769	20.00	ng		0.00
75) Chrysene-d12	18.49	240	204153	20.00	ng		0.01
86) Perylene-d12	20.16	264	166440	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	587118	97.58	ng		-0.01
7) Phenol-d6	7.06	99	876431	107.80	ng		-0.01
23) Nitrobenzene-d5	8.43	82	572789	71.31	ng		-0.01
41) 2,4,6-Tribromophenol	13.67	330	142701	93.27	ng		-0.01
44) 2-Fluorobiphenyl	11.32	172	888904	78.71	ng		-0.01
78) Terphenyl-d14	17.13	244	616356	64.19	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	1.64	88	167130	52.64	ng	#	26
19) n-Nitroso-di-n-propylamine	8.43	70	81293	13.41	ng	#	79
31) Naphthalene	9.58	128	193647	9.55	ng		99
32) Benzoic acid	9.39	122	5681	7.44	ng	#	52
33) 4-Chloroaniline	9.58	127	25170	3.37	ng	#	35
37) 2-Methylnaphthalene	10.71	142	71340	5.63	ng		96
48) Acenaphthylene	12.15	152	666433	41.05	ng		99
49) Dimethylphthalate	12.02	163	136358	10.69	ng		99
51) Acenaphthene	12.42	154	22723	2.28	ng		96
54) Dibenzofuran	12.72	168	70544	5.22	ng		99
57) Fluorene	13.27	166	43044	3.67	ng	#	90
70) Phenanthrene	14.81	178	669810	48.22	ng		100
71) Anthracene	14.89	178	382914	27.29	ng		98
72) Carbazole	15.19	167	92722	7.75	ng		98
73) Di-n-butylphthalate	15.77	149	79269	5.12	ng		98
74) Fluoranthene	16.58	202	2024170	145.32	ng		97
77) Pyrene	16.89	202	1892364	128.77	ng		98
80) Benzo(a)anthracene	18.48	228	1500902	129.25	ng		96
82) Chrysene	18.53	228	1448878	125.72	ng		95
83) Bis(2-ethylhexyl)phthalate	18.55	149	31292	3.29	ng		97
85) Indeno(1,2,3-cd)pyrene	21.39	276	849952	92.00	ng	#	91
87) Benzo(b)fluoranthene	19.76	252	2548947	240.42	ng		96
88) Benzo(k)fluoranthene	19.76	252	2548947	279.32	ng		97
89) Benzo(a)pyrene	19.86	252	456628	49.80	ng		95
90) Dibenzo(a,h)anthracene	21.52	278	180116	23.03	ng		96
91) Benzo(g,h,i)perylene	21.94	276	169900	22.02	ng		91

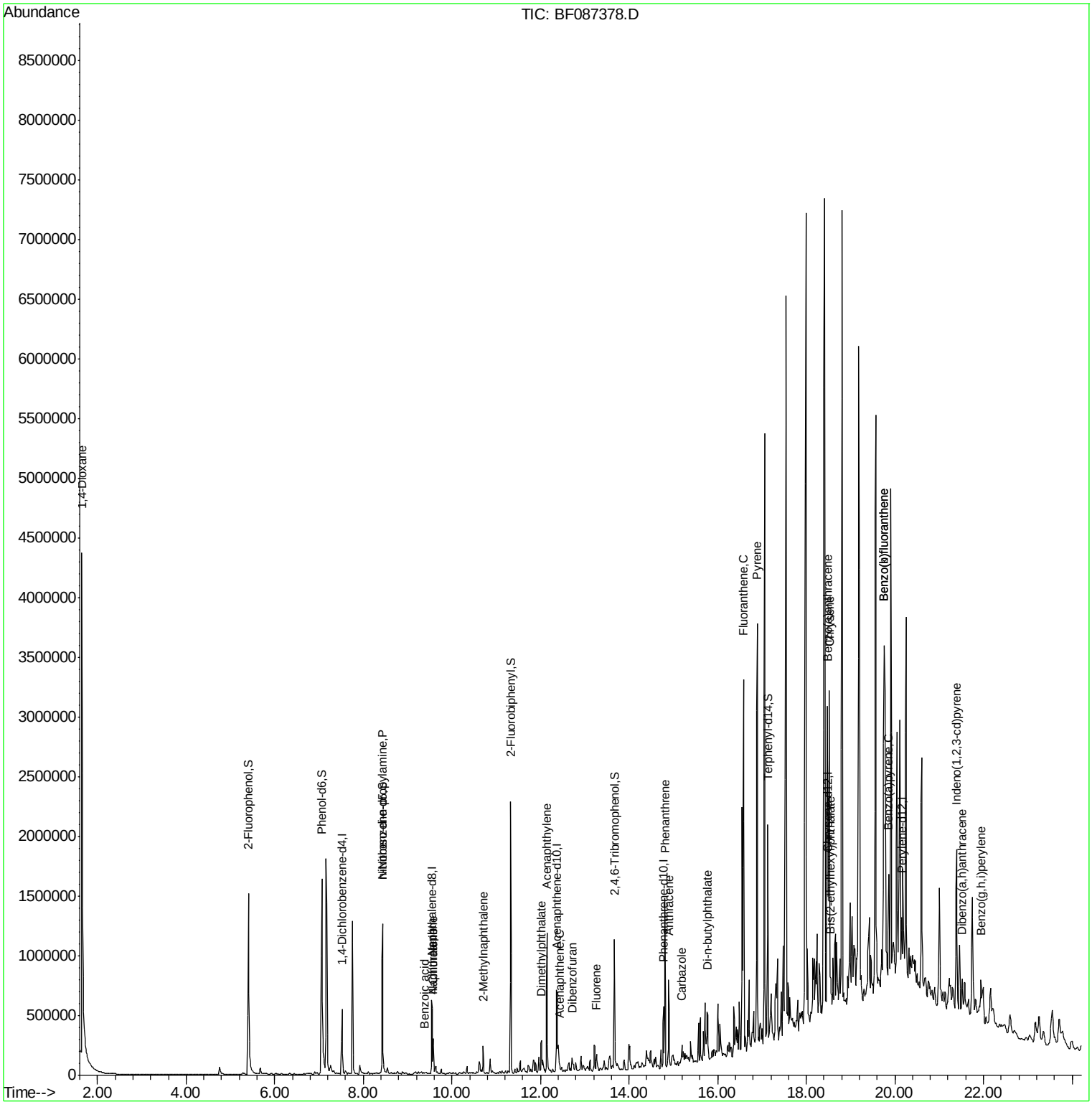
(#) = qualifier out of range (m) = manual integration (+) = signals summed

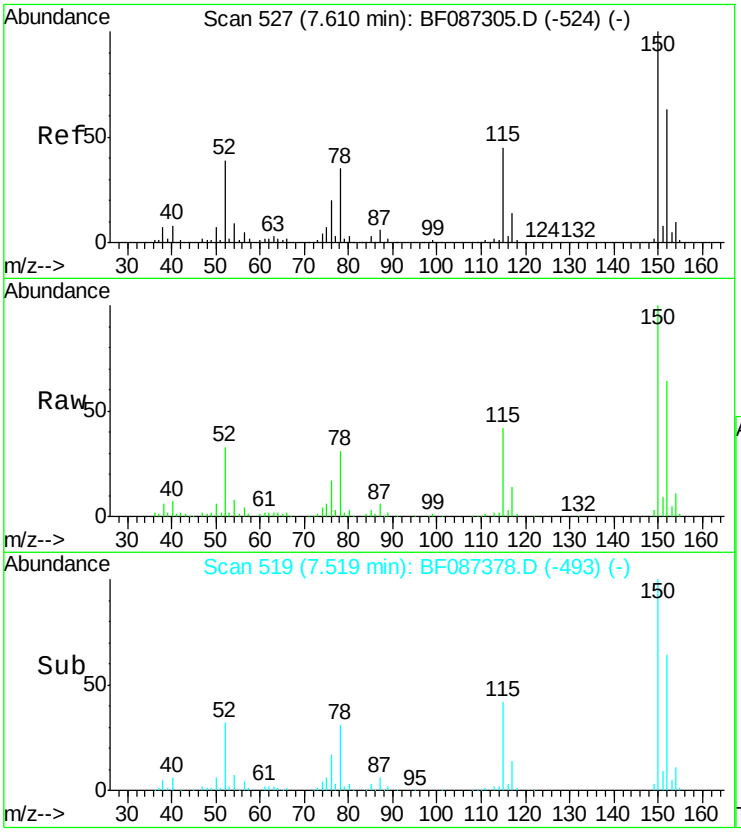
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087378.D
Acq On : 25 May 2016 18:27
Operator : UM/SJ
Sample : H3211-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Quant Time: May 25 22:30:20 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration



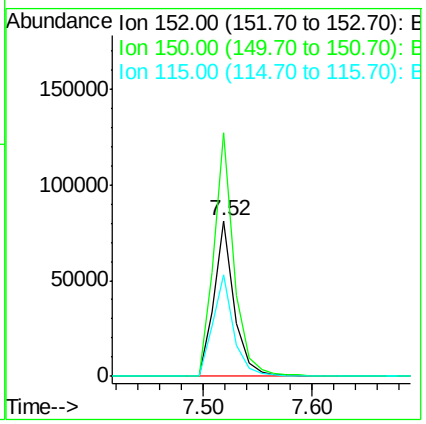


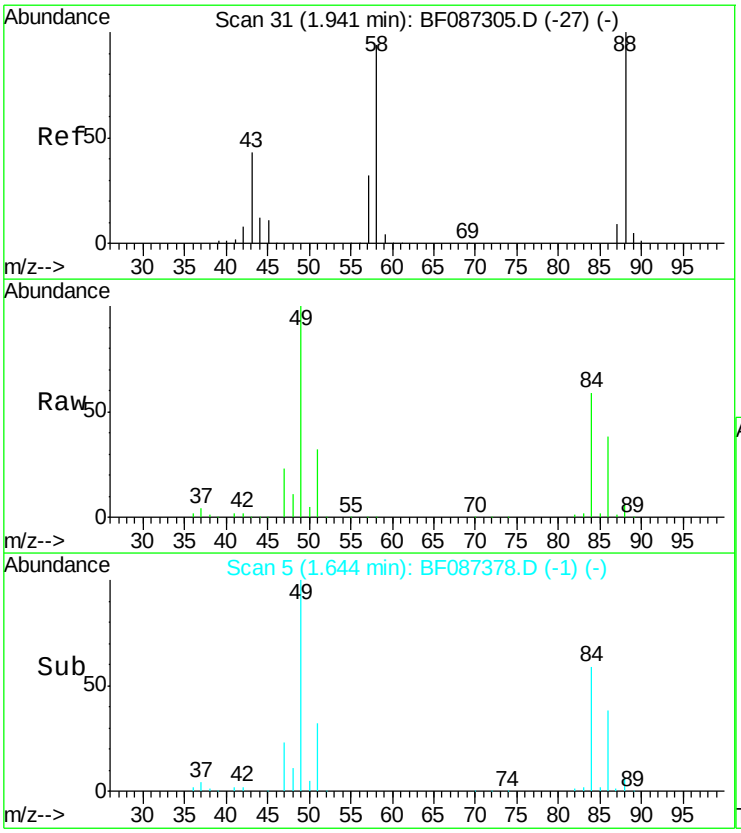
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:152 Resp: 105727

Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.8	188.6
115	65.6	51.5	77.3

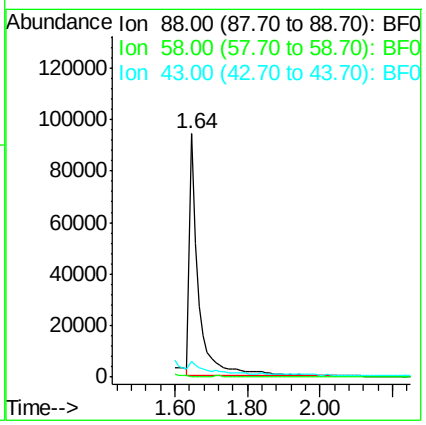


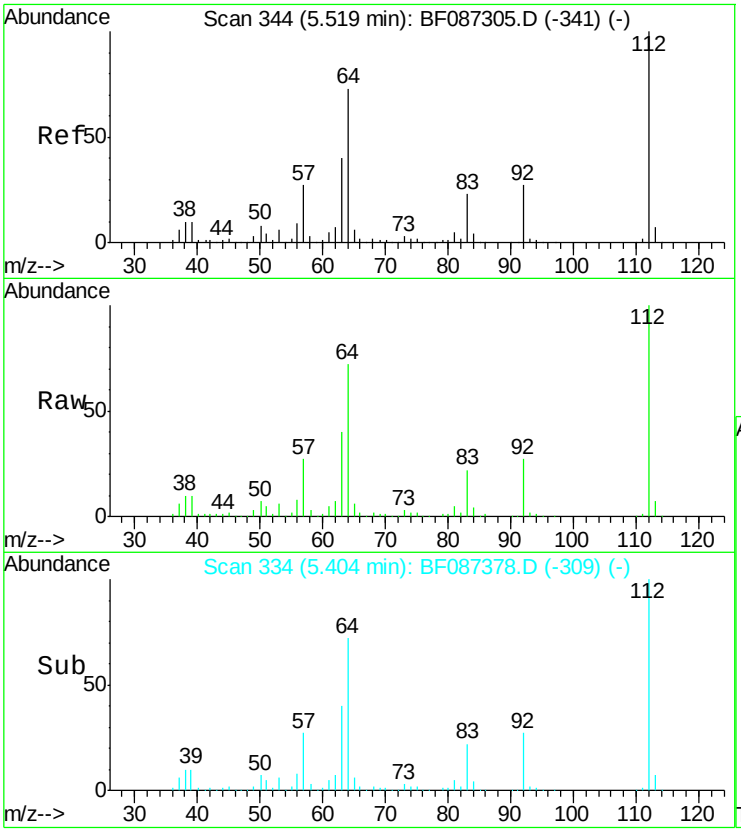


#2
1,4-Dioxane
Concen: 52.64 ng
RT: 1.64 min Scan# 5
Delta R.T. -0.17 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion: 88 Resp: 167130

Ion	Ratio	Lower	Upper
88	100		
58	0.0	59.6	89.4#
43	8.4	21.8	32.6#



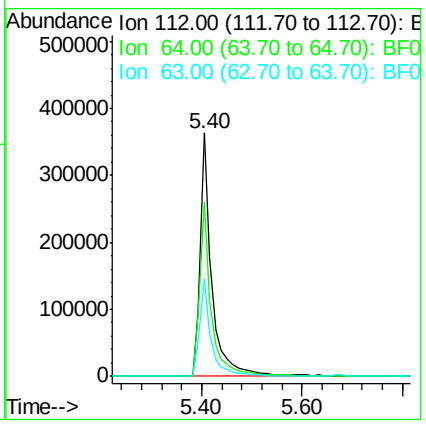


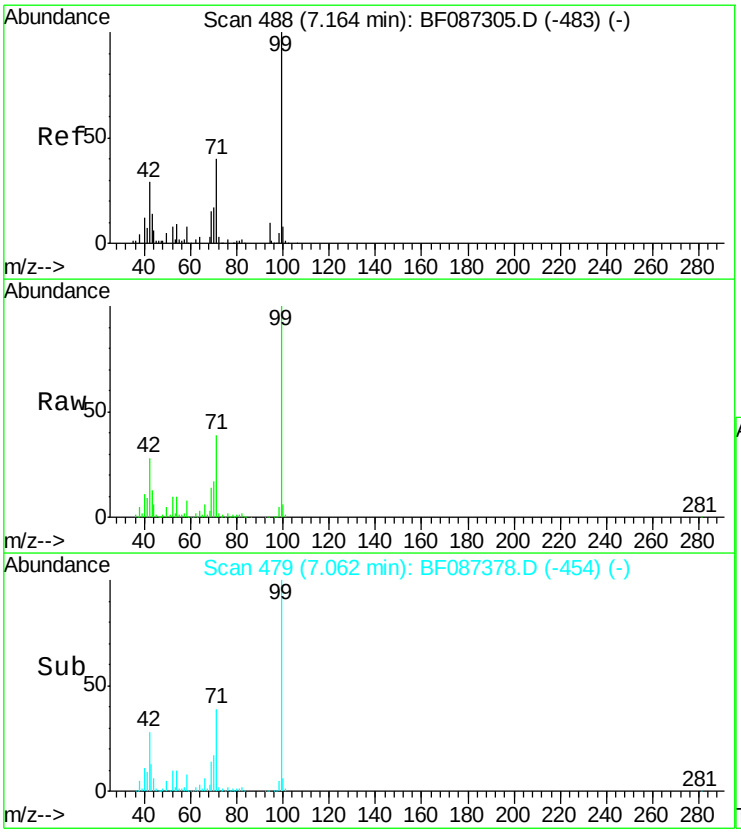
#5
2-Fluorophenol
Concen: 97.58 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:112 Resp: 587118

Ion	Ratio	Lower	Upper
112	100		
64	71.8	52.1	78.1
63	40.0	25.7	38.5#

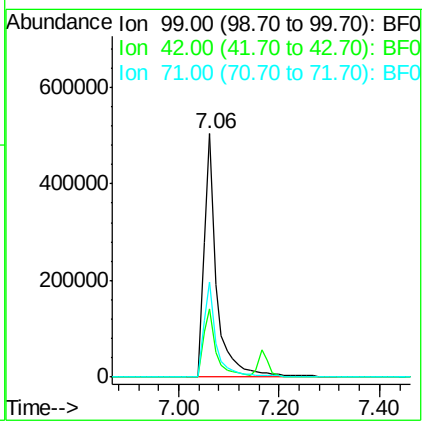


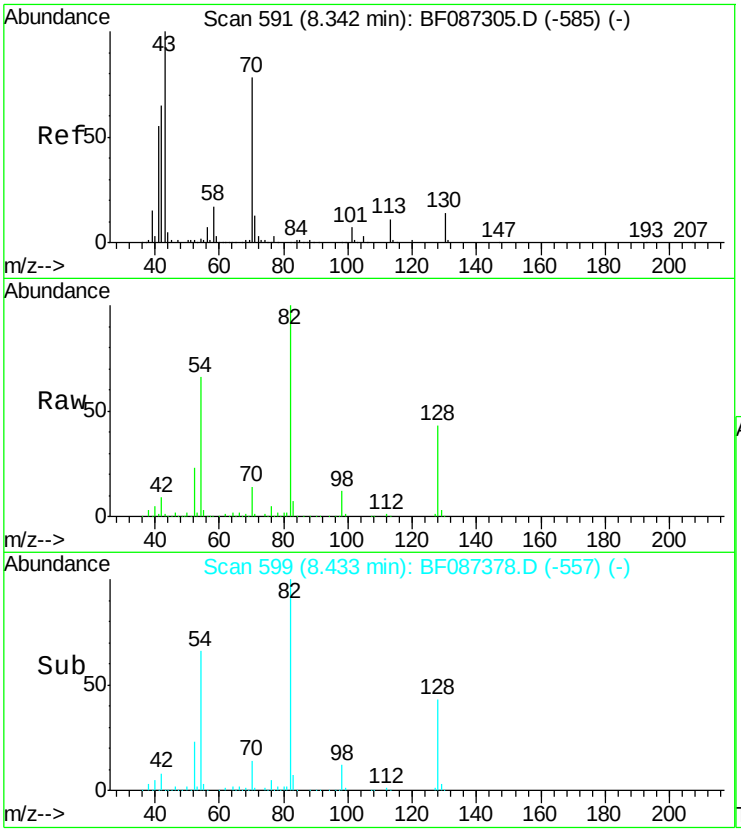


#7
Phenol-d6
Concen: 107.80 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion: 99 Resp: 876431

Ion	Ratio	Lower	Upper
99	100		
42	28.0	13.6	20.4#
71	38.8	24.6	36.8#



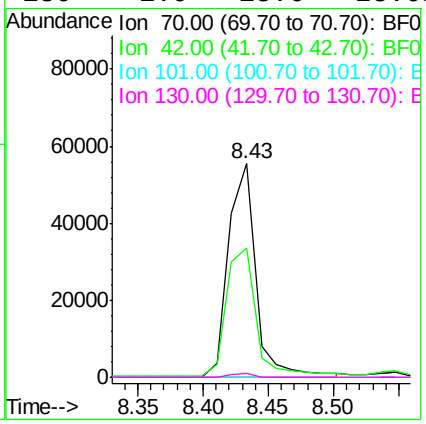


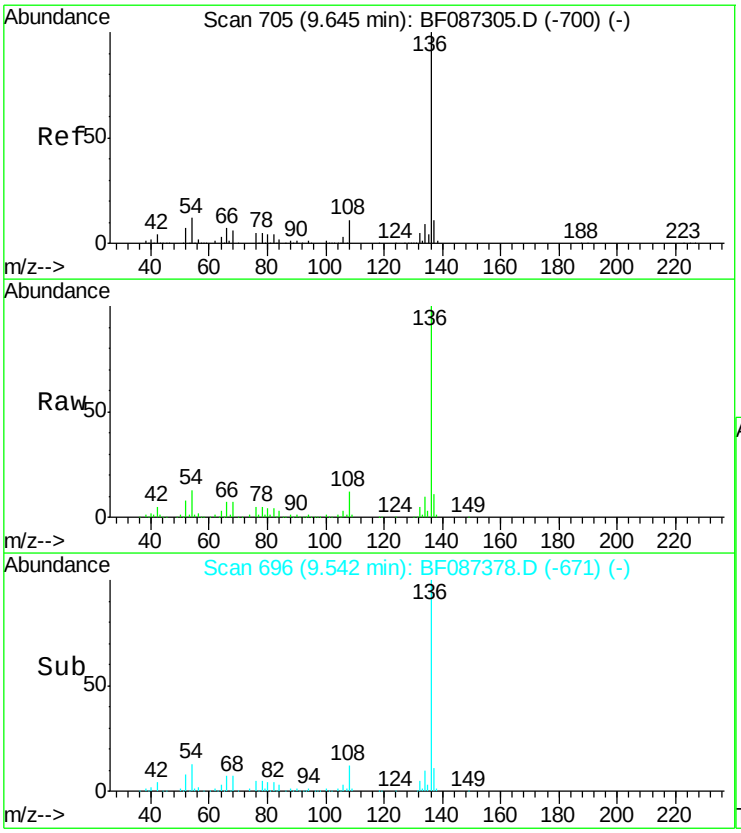
#19
n-Nitroso-di-n-propylamine
Concen: 13.41 ng
RT: 8.43 min Scan# 599
Delta R.T. 0.18 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion: 70 Resp: 81293

Ion	Ratio	Lower	Upper
70	100		
42	60.6	43.1	64.7
101	0.0	8.1	12.1#
130	1.9	18.6	28.0#

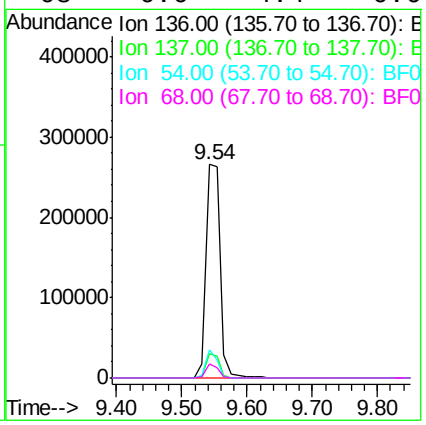


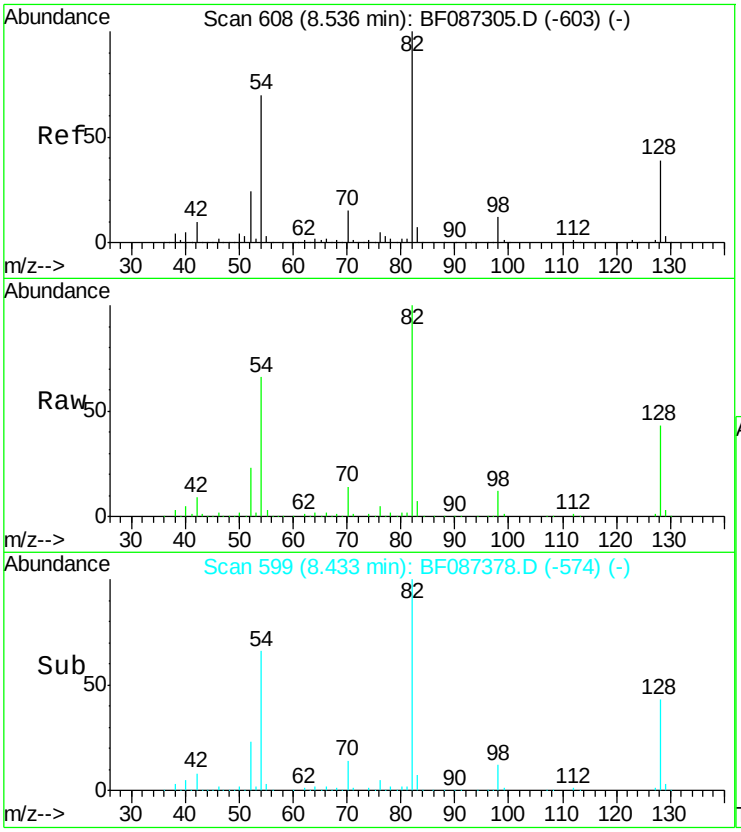


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:136 Resp: 404835

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.3	5.0	7.4#
68	6.6	4.4	6.6



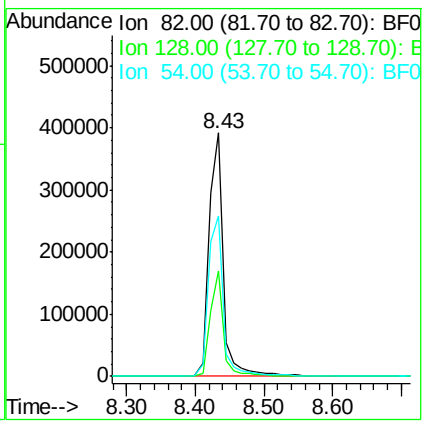


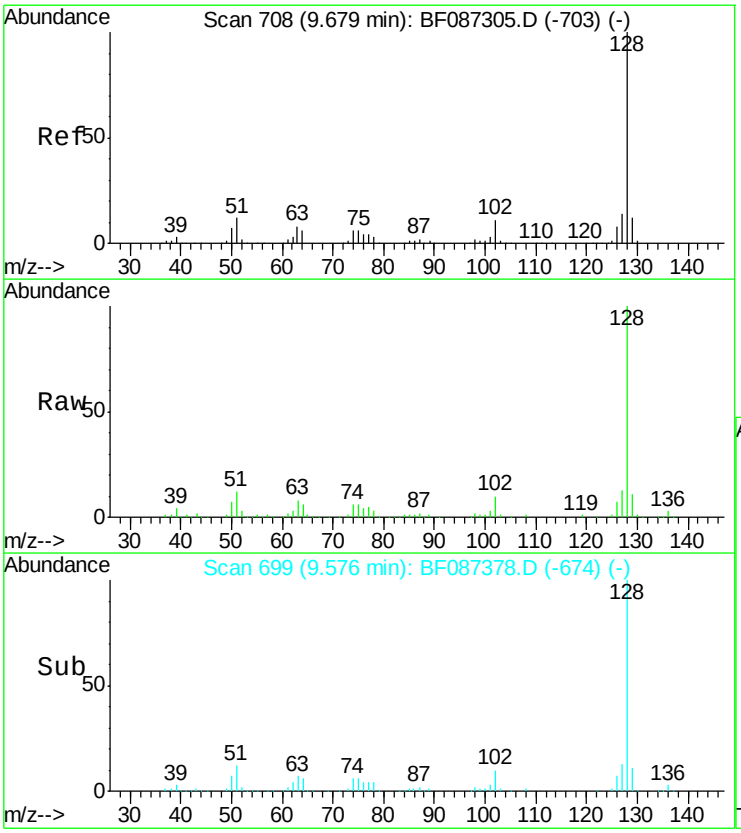
#23
Nitrobenzene-d5
Concen: 71.31 ng
RT: 8.43 min Scan# 599
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion: 82 Resp: 572789

Ion	Ratio	Lower	Upper
82	100		
128	43.1	40.6	61.0
54	65.9	38.1	57.1#

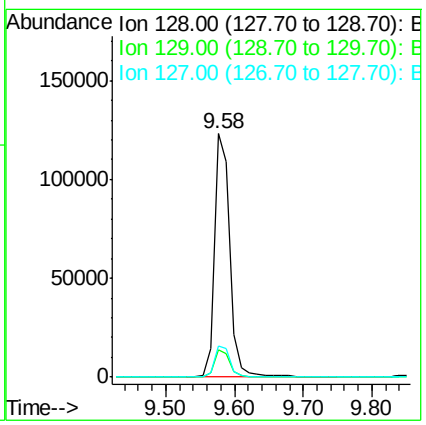


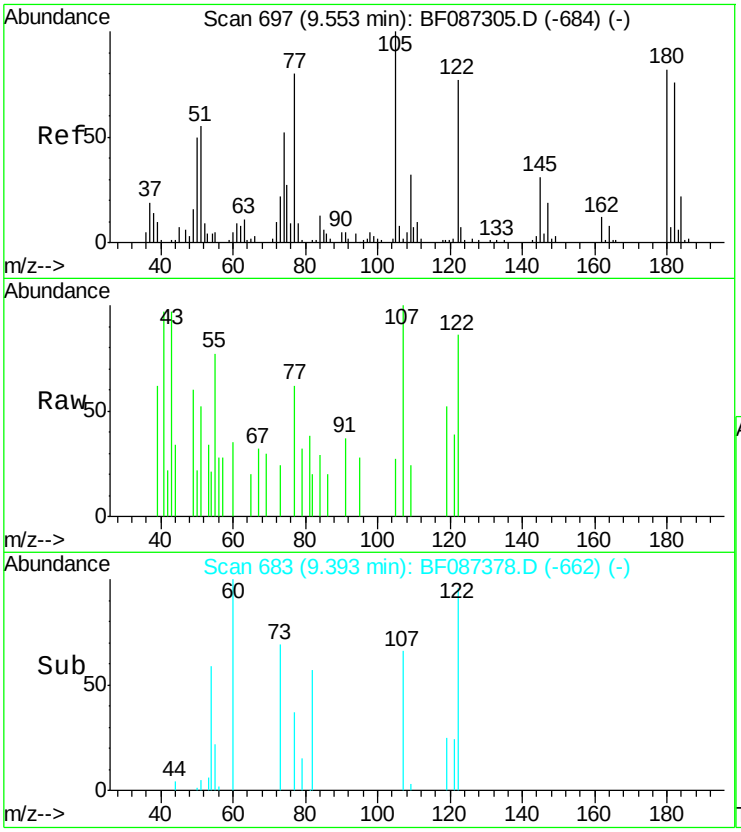


#31
Naphthalene
Concen: 9.55 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:128 Resp: 193647

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	12.8	10.8	16.2



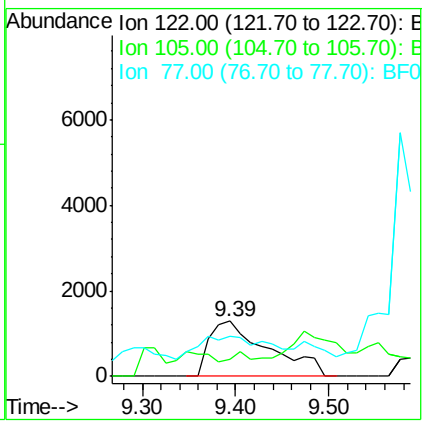


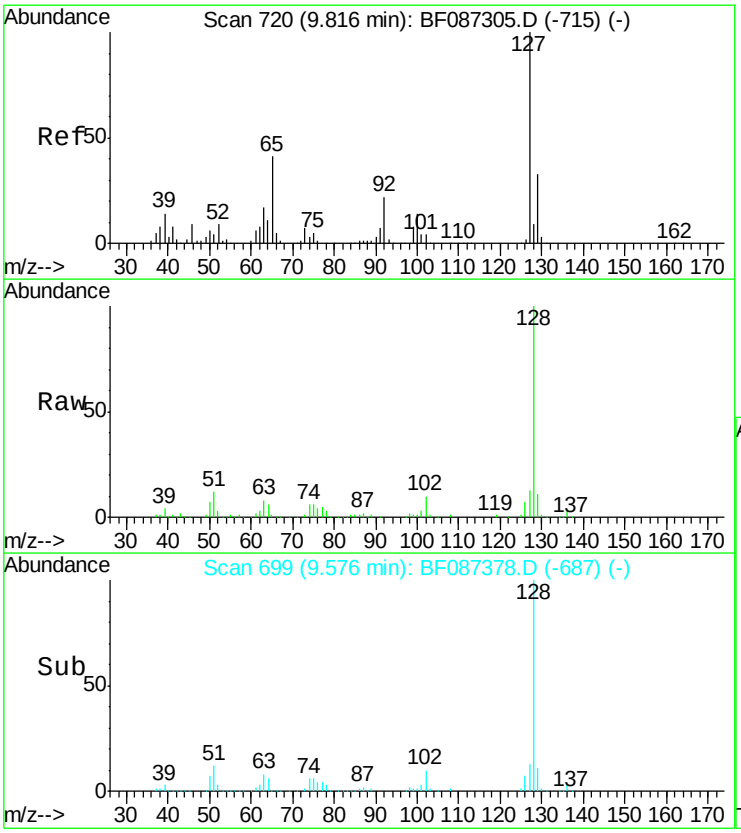
#32
Benzoic acid
Concen: 7.44 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:122 Resp: 5681

Ion	Ratio	Lower	Upper
122	100		
105	31.4	92.6	132.6#
77	72.0	60.0	100.0

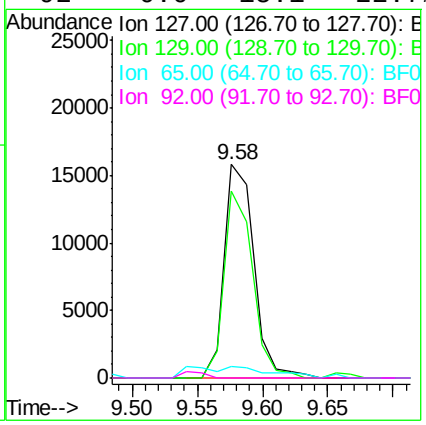


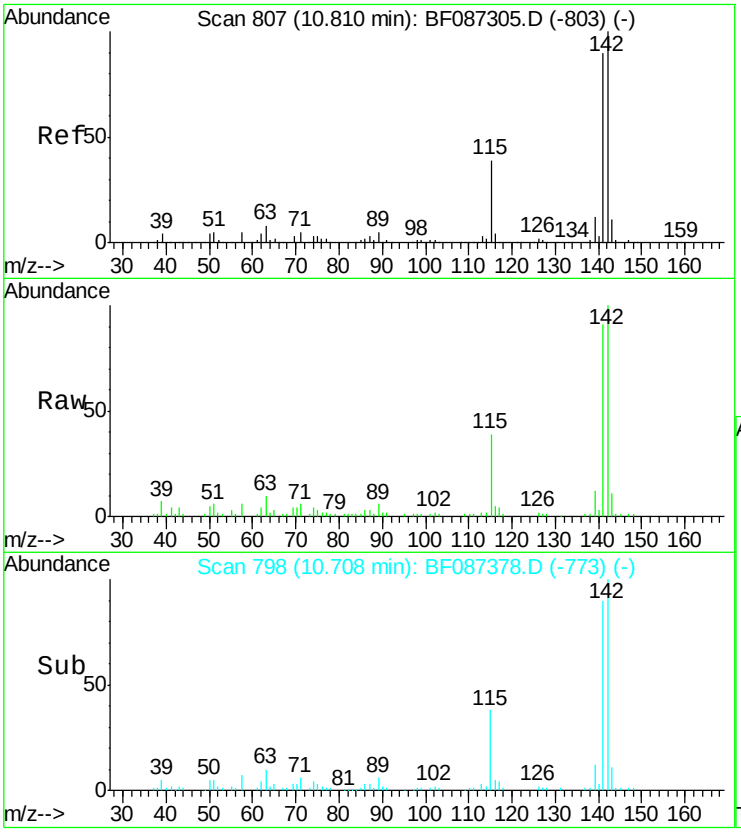


#33
4-Chloroaniline
Concen: 3.37 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.16 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:127 Resp: 25170

Ion	Ratio	Lower	Upper
127	100		
129	87.7	26.2	39.4#
65	5.2	23.0	34.4#
92	0.0	15.1	22.7#



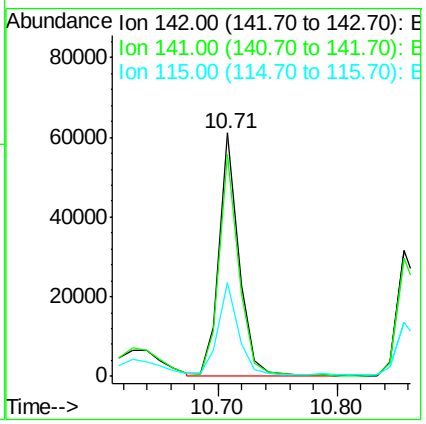


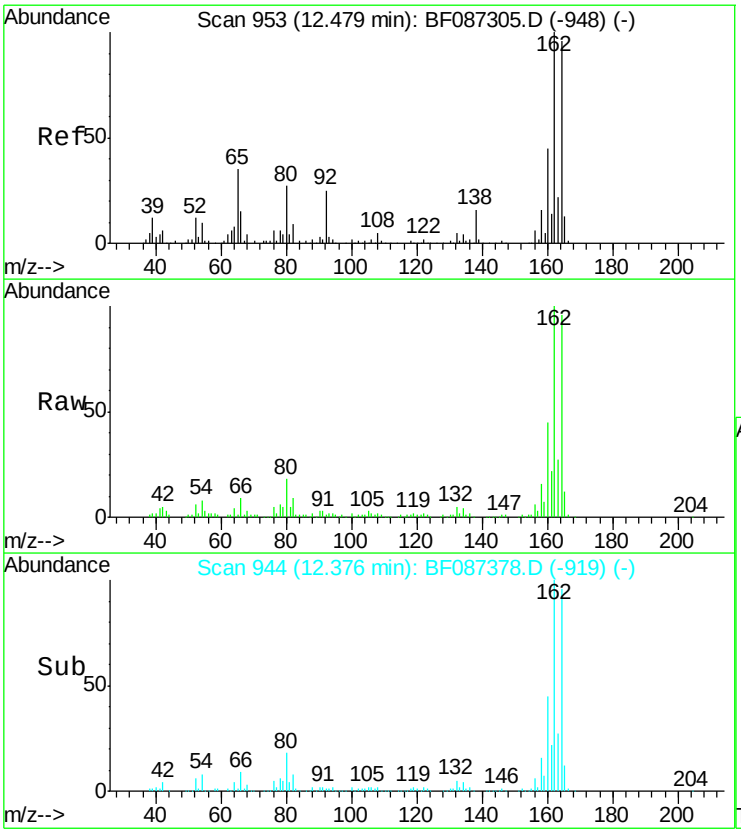
#37
2-Methylnaphthalene
Concen: 5.63 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:142 Resp: 71340

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.0	106.6
115	38.5	26.6	39.8

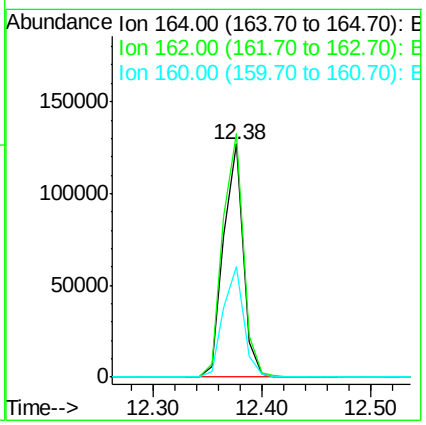


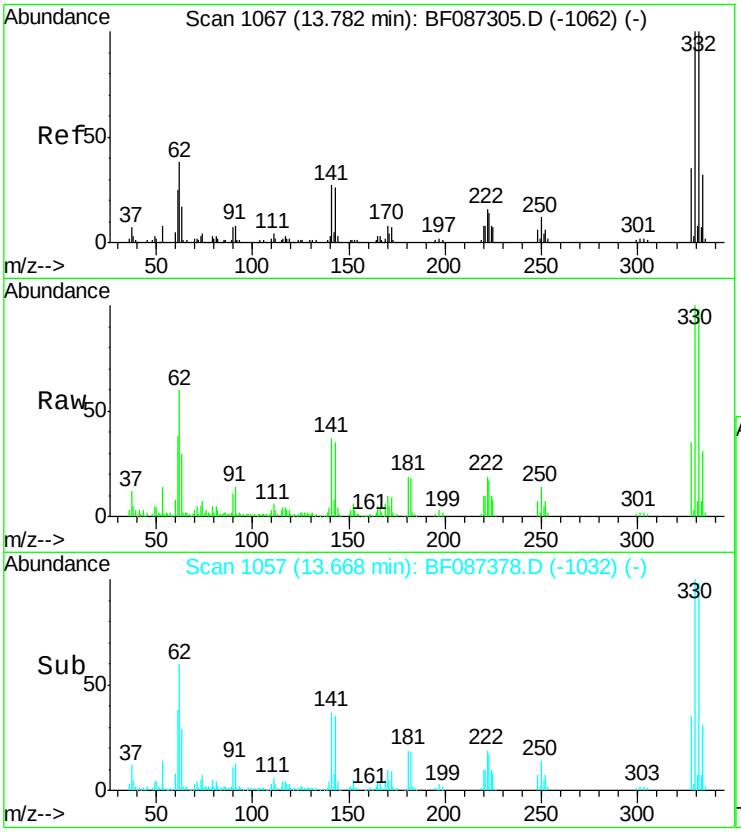


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.38 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:164 Resp: 159205

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.8	124.2
160	47.5	36.9	55.3



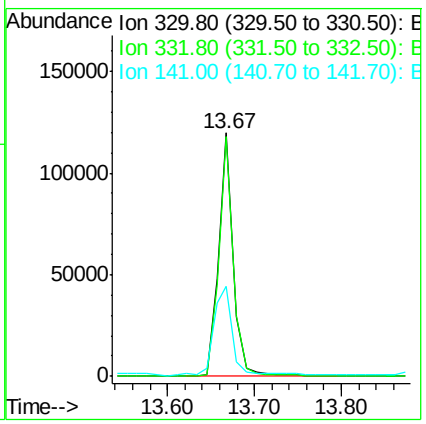


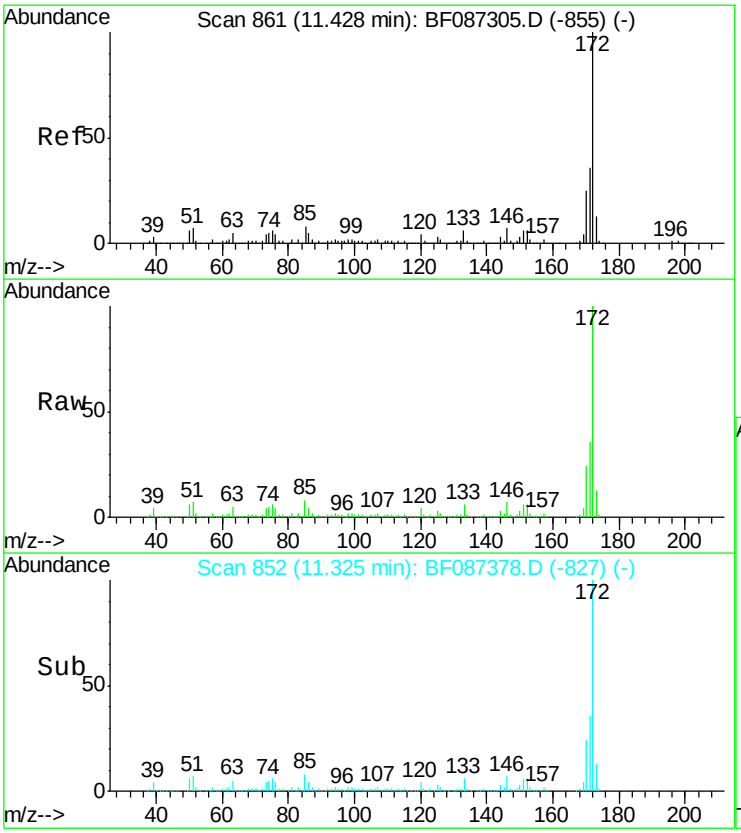
#41
2,4,6-Tribromophenol
Concen: 93.27 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:330 Resp: 142701

Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.0	118.4
141	48.4	31.2	46.8#

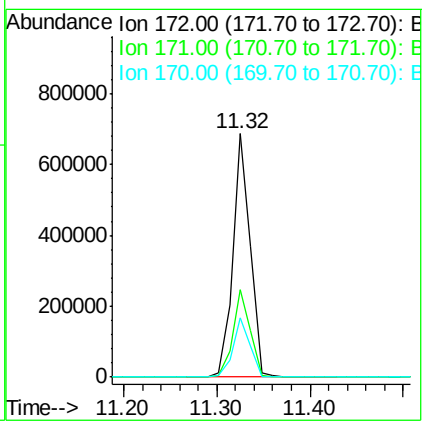


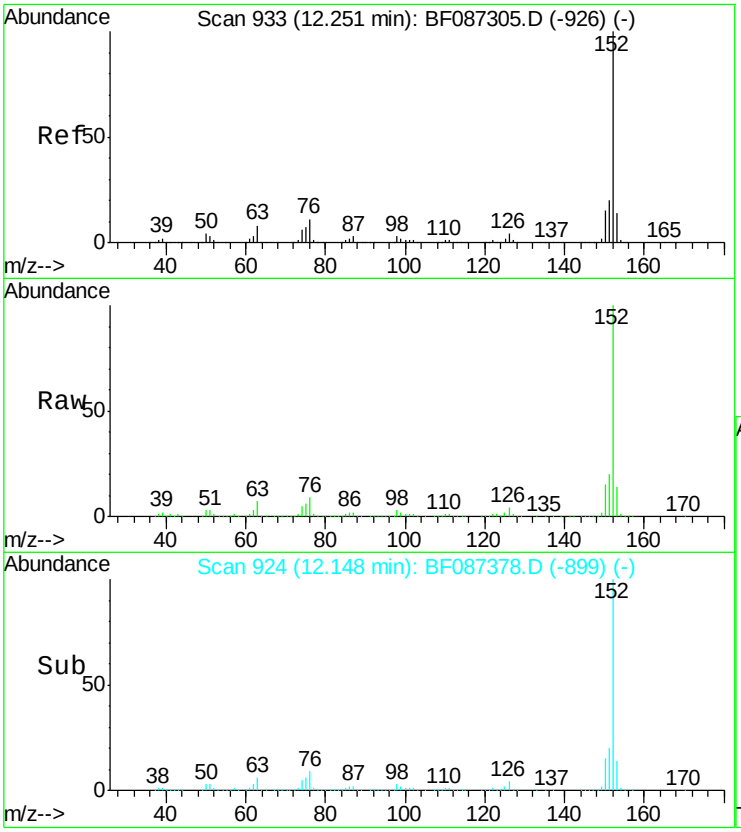


#44
2-Fluorobiphenyl
Concen: 78.71 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:172 Resp: 888904

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.6
170	24.1	19.8	29.8



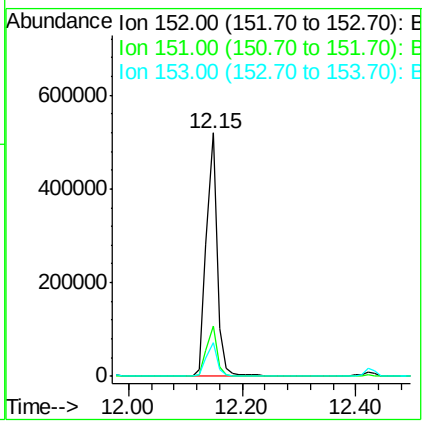


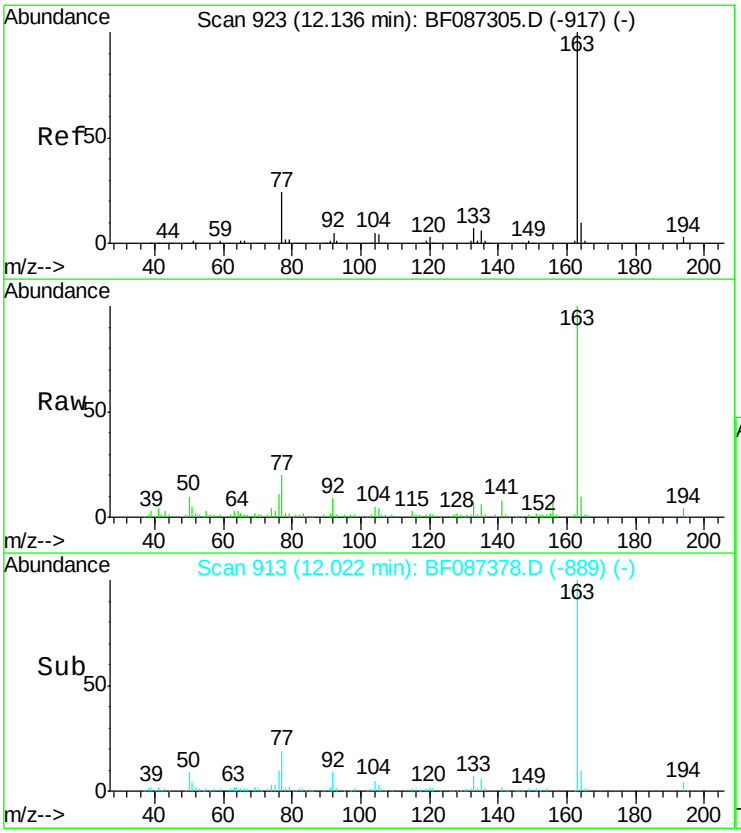
#48
Acenaphthylene
Concen: 41.05 ng
RT: 12.15 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:152 Resp: 666433

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.8	25.2
153	13.6	10.9	16.3

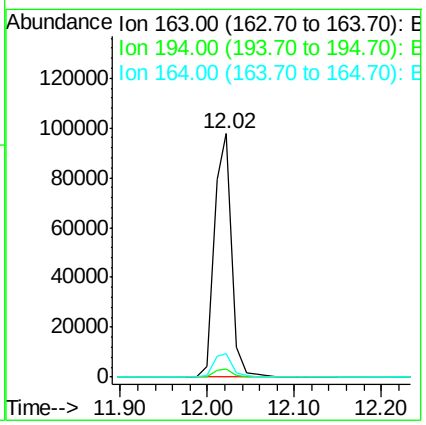


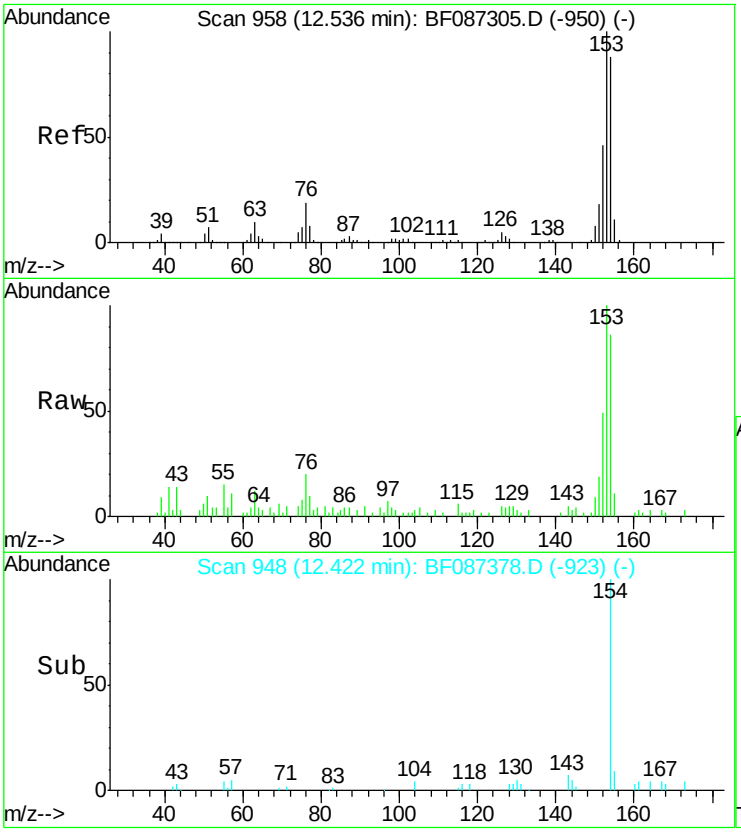


#49
Dimethylphthalate
Concen: 10.69 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:163 Resp: 136358

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.7	8.2	12.4



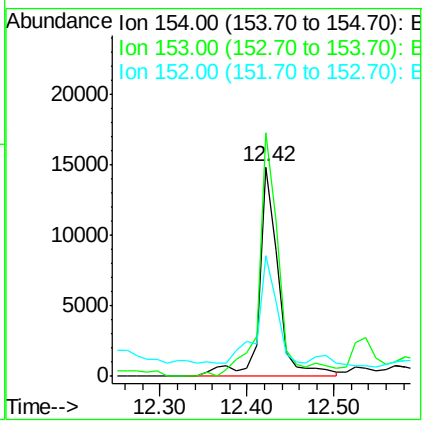


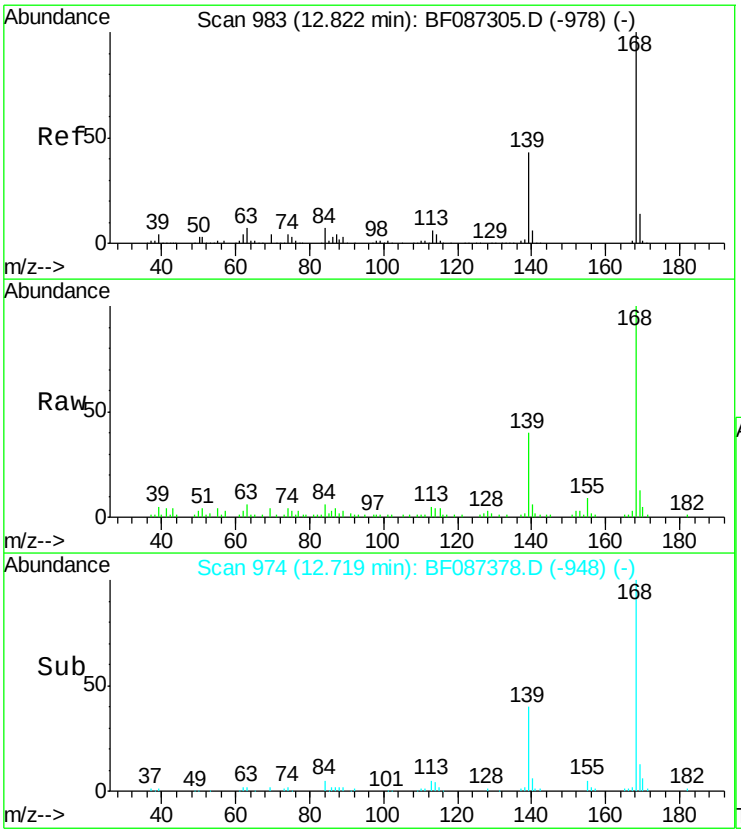
#51
Acenaphthene
Concen: 2.28 ng
RT: 12.42 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:154 Resp: 22723

Ion	Ratio	Lower	Upper
154	100		
153	116.1	89.8	134.6
152	57.4	43.4	65.0

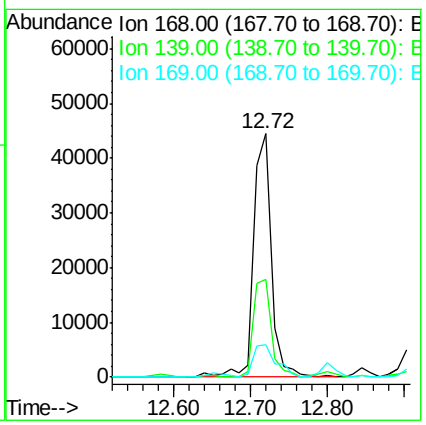


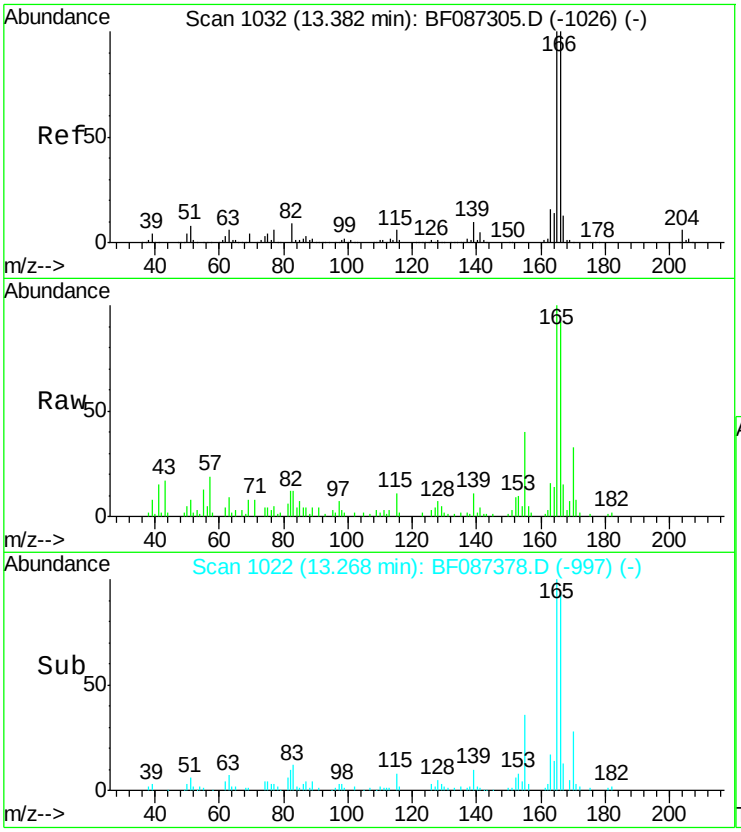


#54
Dibenzofuran
Concen: 5.22 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:168 Resp: 70544

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.4	47.0
169	13.1	10.7	16.1



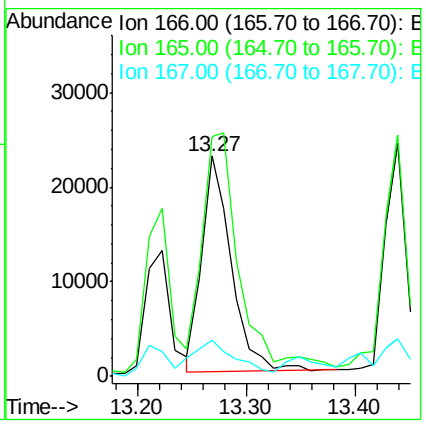


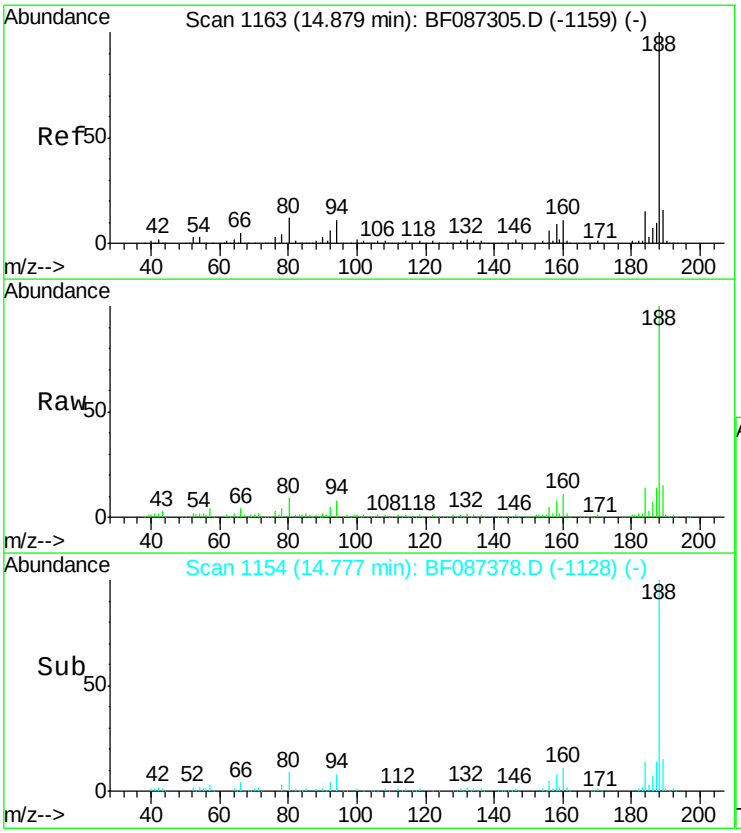
#57
Fluorene
Concen: 3.67 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:166 Resp: 43044

Ion	Ratio	Lower	Upper
166	100		
165	108.7	79.0	118.6
167	16.5	10.6	15.8#

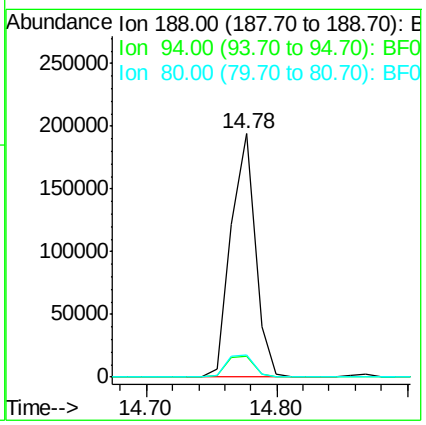


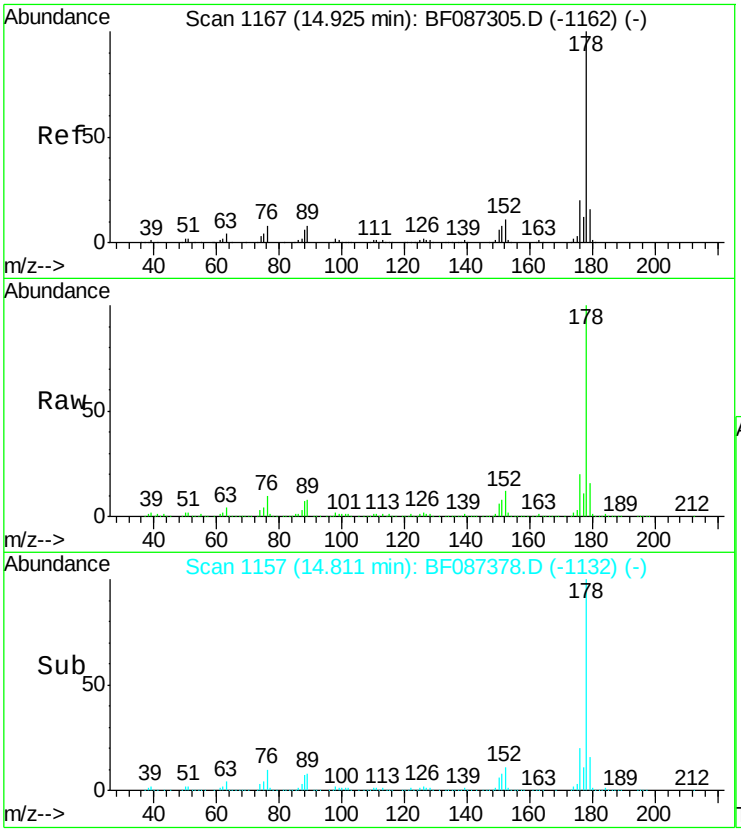


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:188 Resp: 250769

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.8	10.2
80	9.3	7.1	10.7



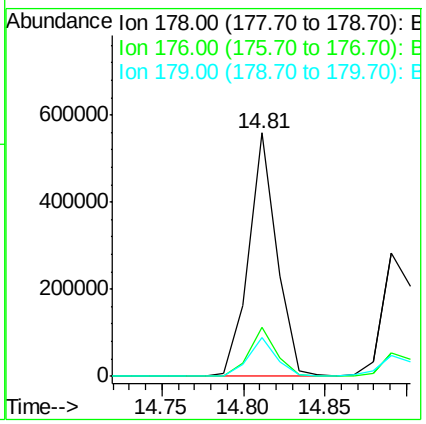


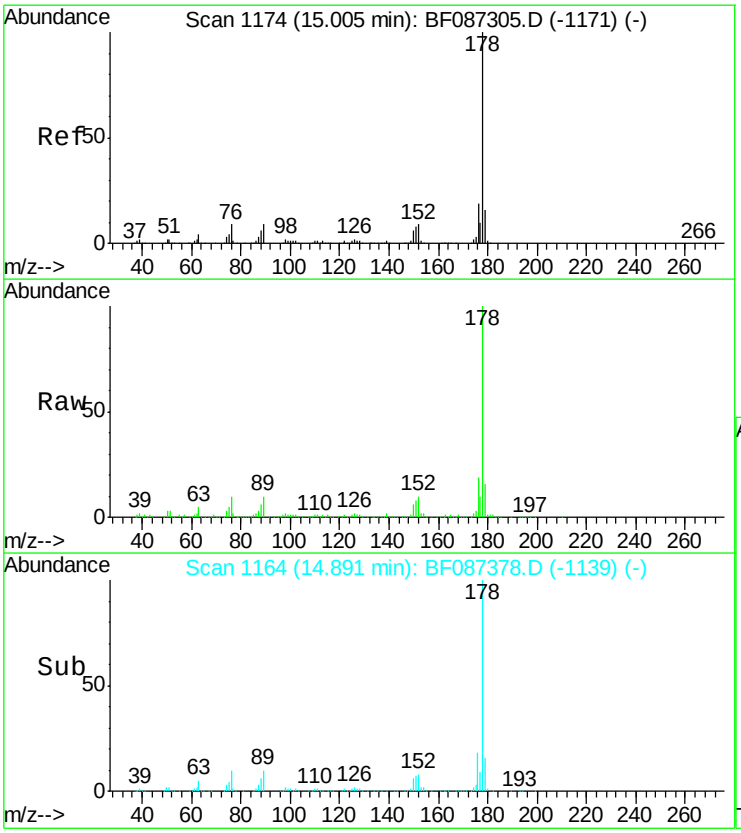
#70
Phenanthrene
Concen: 48.22 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:178 Resp: 669810

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.0	24.0
179	15.7	12.6	18.8

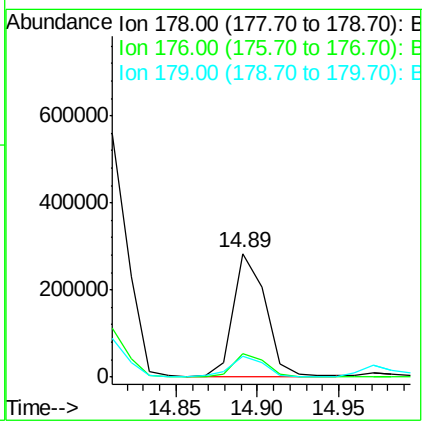


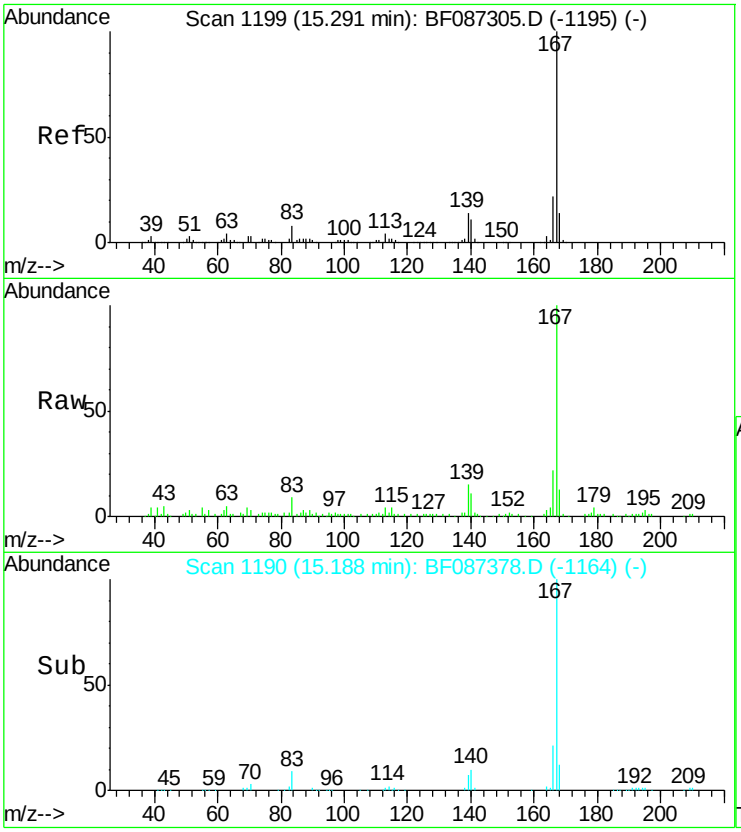


#71
Anthracene
Concen: 27.29 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:178 Resp: 382914

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	16.5	12.7	19.1



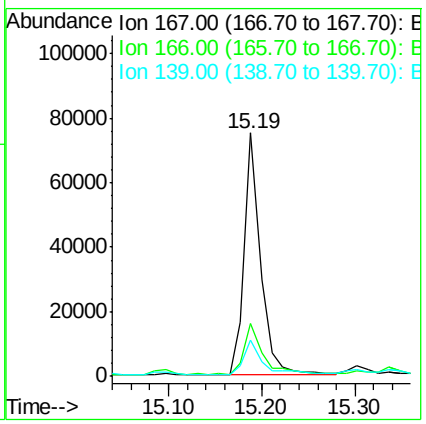


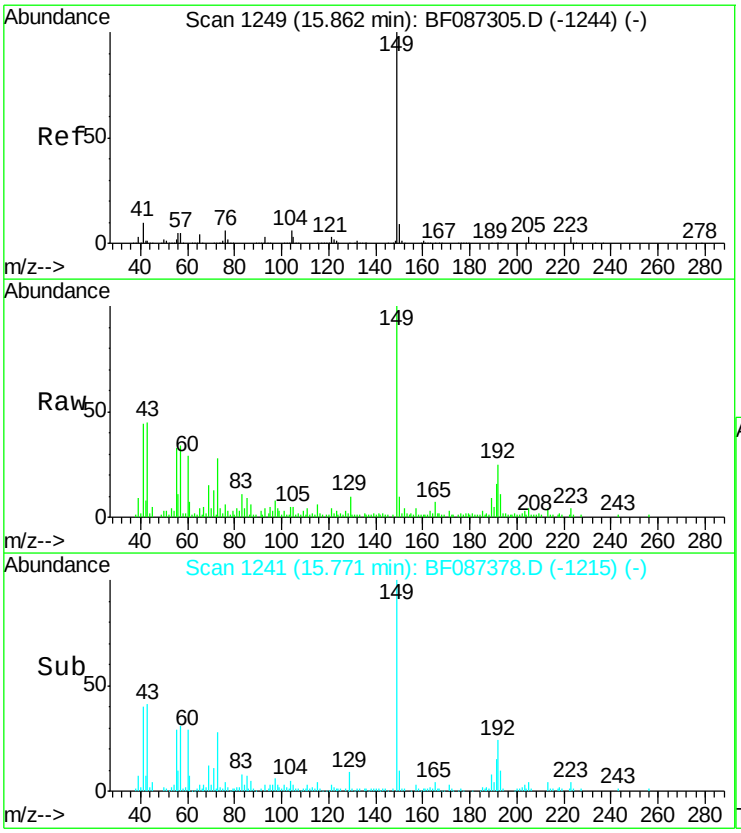
#72
Carbazole
Concen: 7.75 ng
RT: 15.19 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:167 Resp: 92722

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	14.7	10.8	16.2

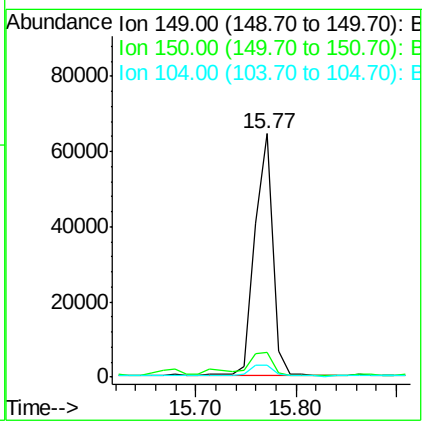


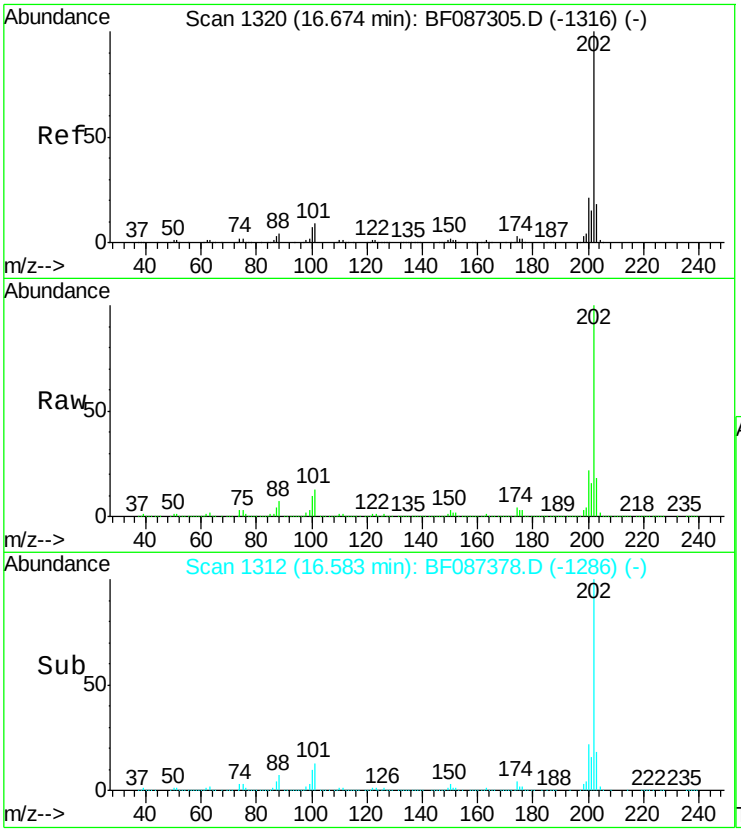


#73
Di-n-butylphthalate
Concen: 5.12 ng
RT: 15.77 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:149 Resp: 79269

Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.6	11.4
104	5.1	3.8	5.6



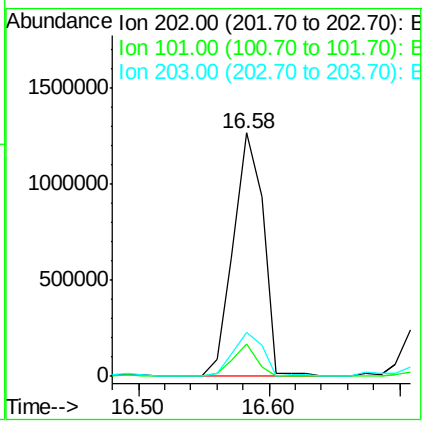


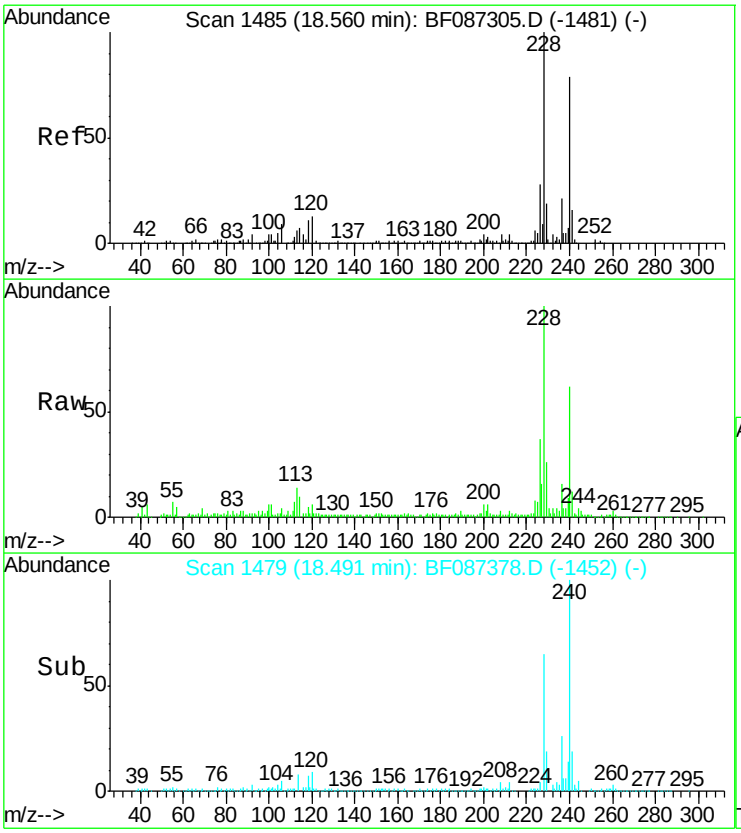
#74
Fluoranthene
Concen: 145.32 ng
RT: 16.58 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:202 Resp: 2024170

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	35.4
203	18.2	0.0	38.1

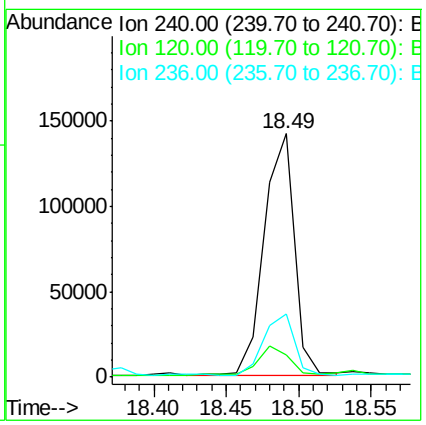


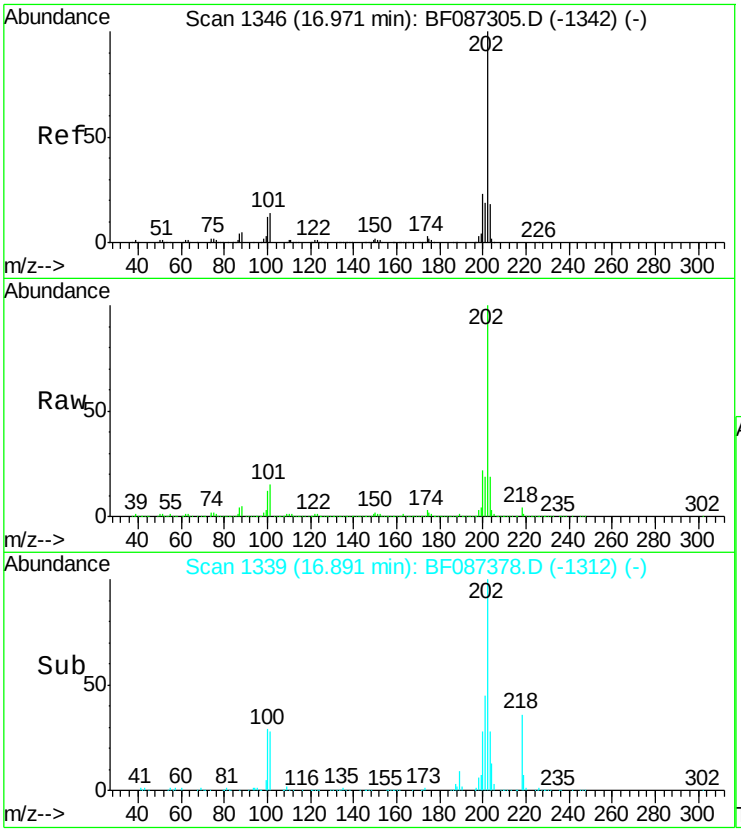


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.49 min Scan# 1479
Delta R.T. 0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:240 Resp: 204153

Ion	Ratio	Lower	Upper
240	100		
120	9.3	11.2	16.8#
236	26.1	21.2	31.8



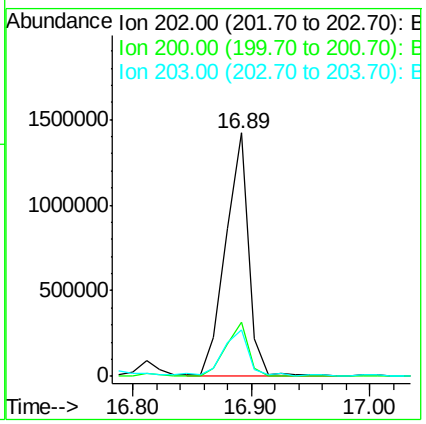


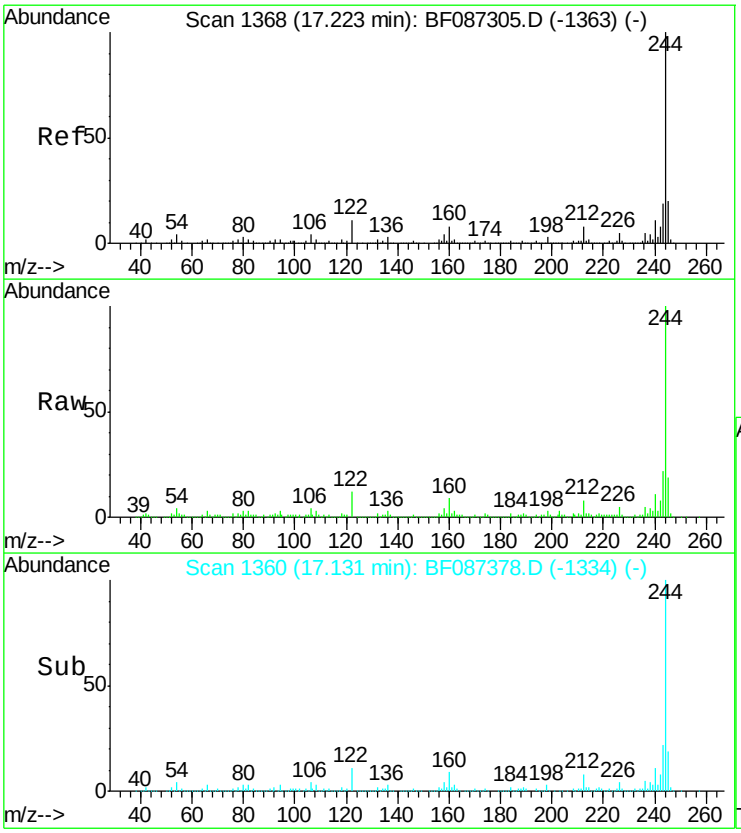
#77
Pyrene
Concen: 128.77 ng
RT: 16.89 min Scan# 1339
Delta R.T. 0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:202 Resp: 1892364

Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.7	26.5
203	19.3	14.2	21.4

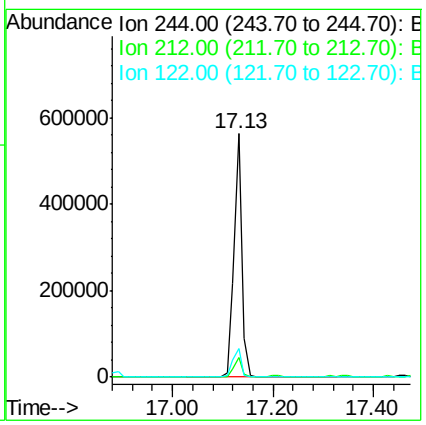


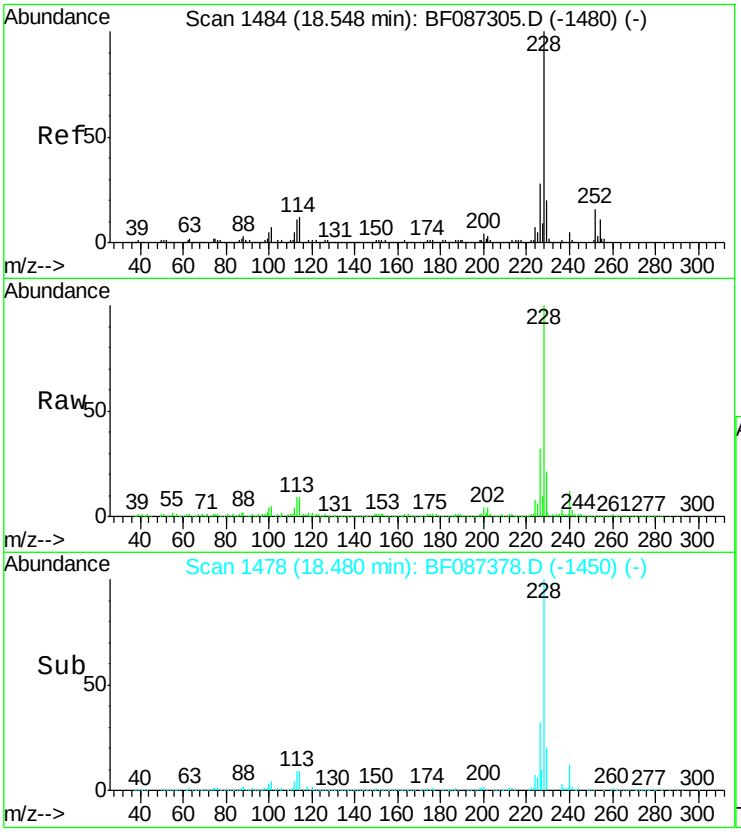


#78
Terphenyl-d14
Concen: 64.19 ng
RT: 17.13 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:244 Resp: 616356

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	11.6	12.0	18.0#



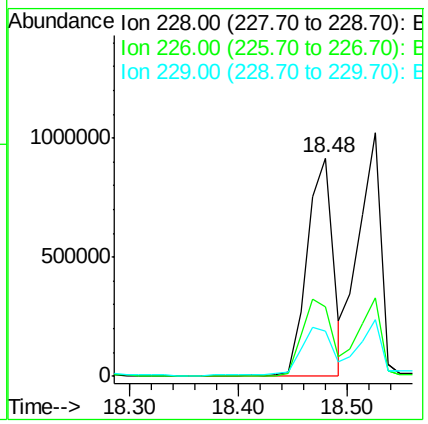


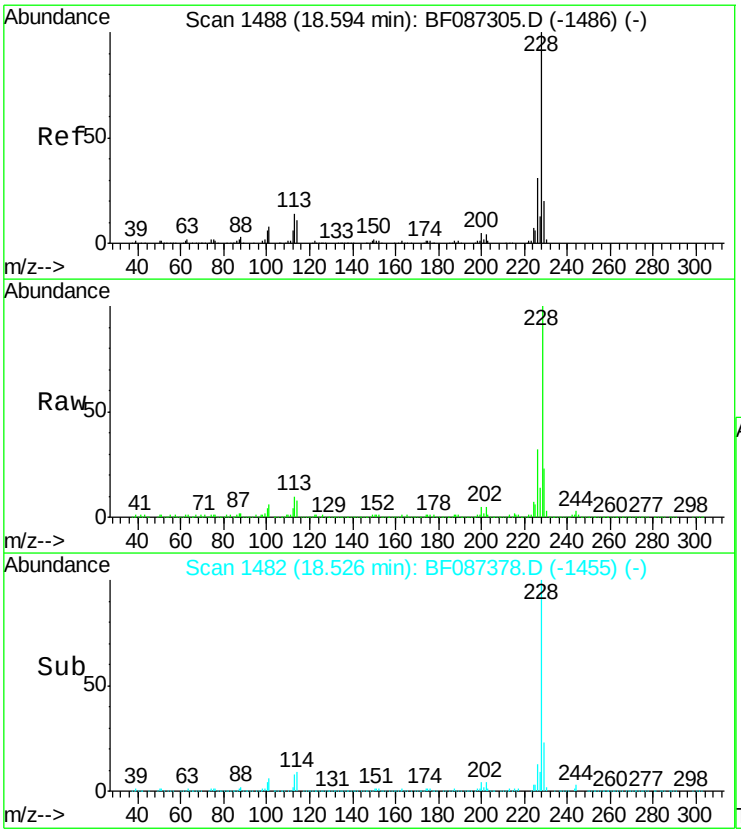
#80
Benzo(a)anthracene
Concen: 129.25 ng
RT: 18.48 min Scan# 1478
Delta R.T. 0.02 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:228 Resp: 1500902

Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.5	33.7
229	20.8	16.6	25.0

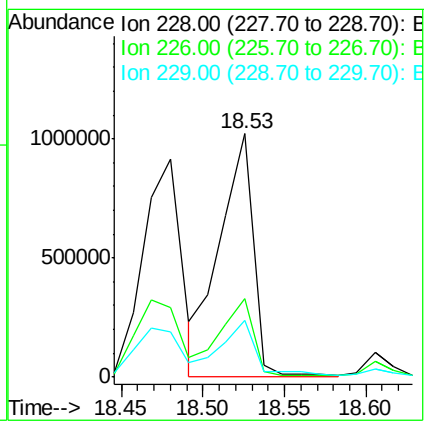


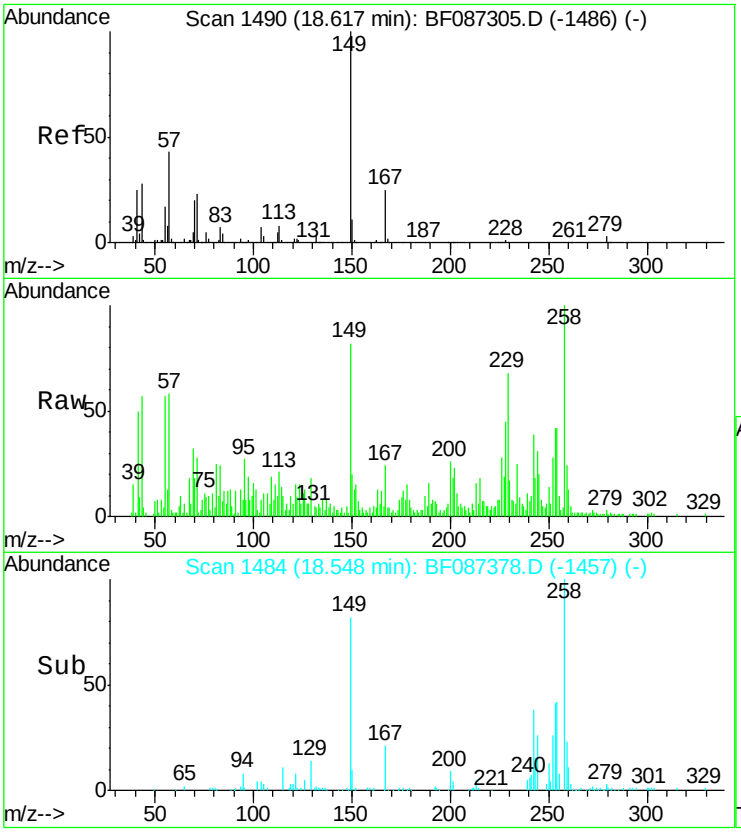


#82
Chrysene
Concen: 125.72 ng
RT: 18.53 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:228 Resp: 1448878

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.4	36.6
229	23.3	15.8	23.8



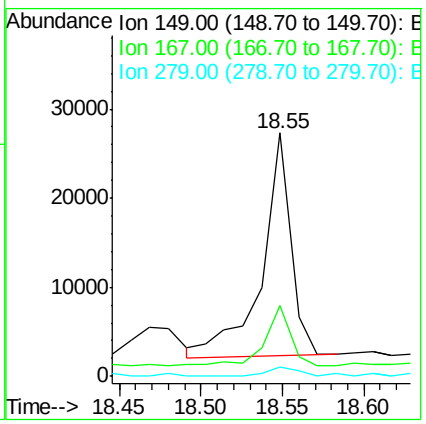


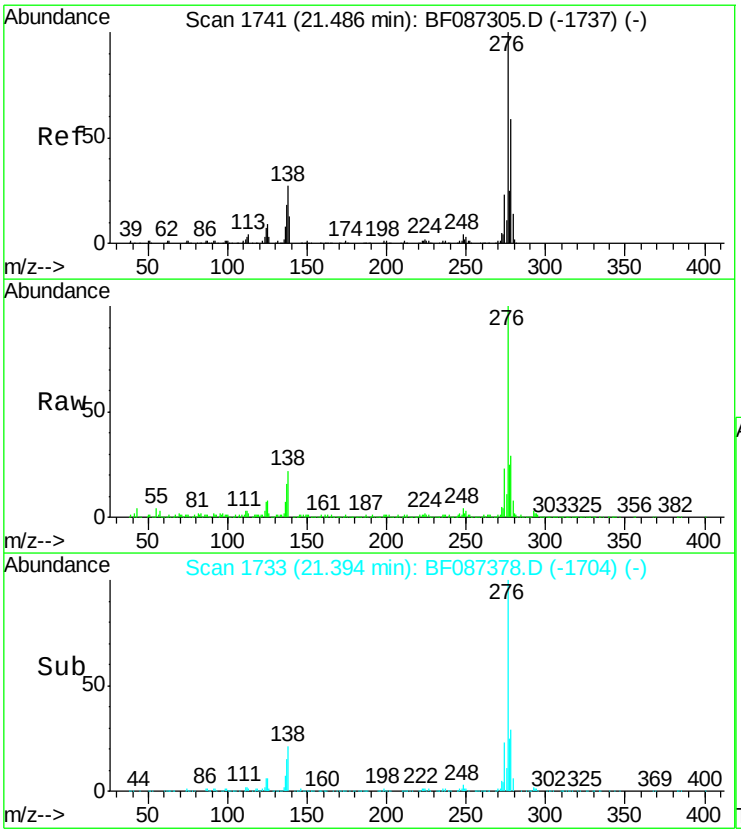
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.29 ng
RT: 18.55 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:149 Resp: 31292

Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.8	32.6
279	3.7	2.6	4.0

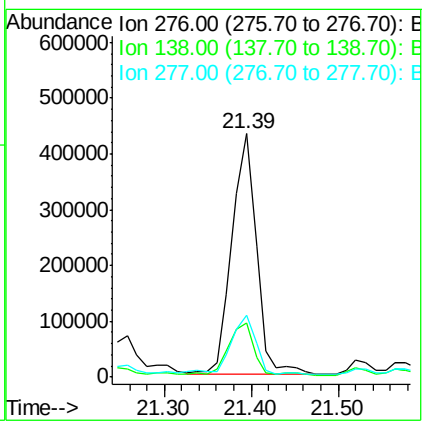


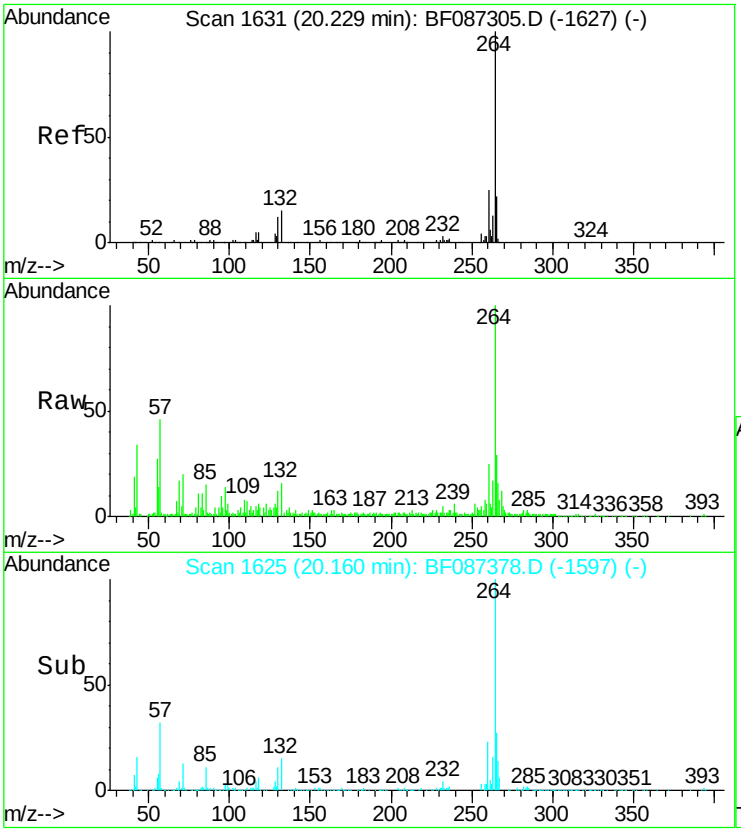


#85
Indeno(1,2,3-cd)pyrene
Concen: 92.00 ng
RT: 21.39 min Scan# 1733
Delta R.T. 0.03 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:276 Resp: 849952

Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.6	38.4#
277	25.4	20.5	30.7



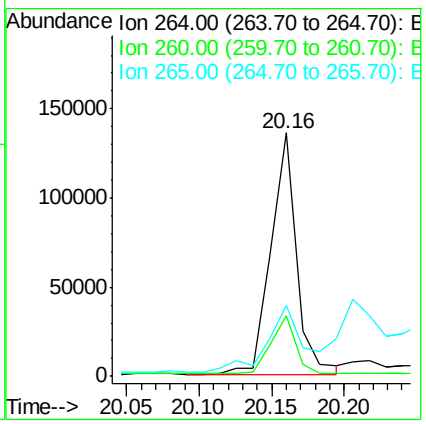


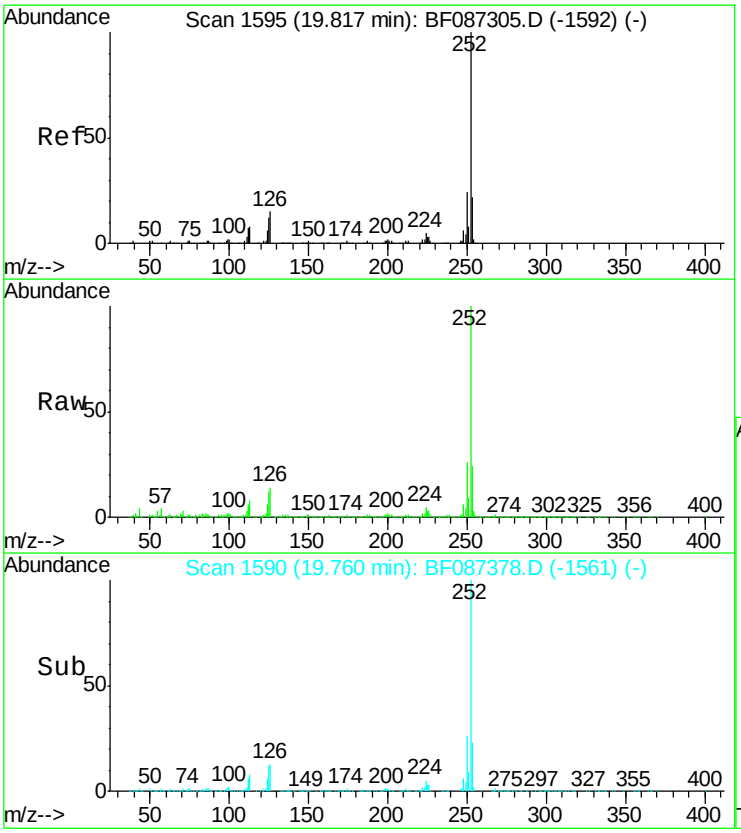
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.16 min Scan# 1625
Delta R.T. 0.02 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:264 Resp: 166440

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	28.9	17.3	25.9#

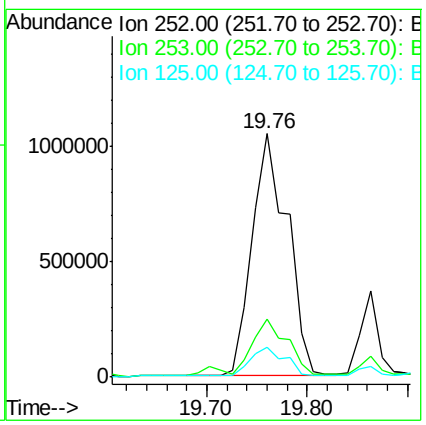


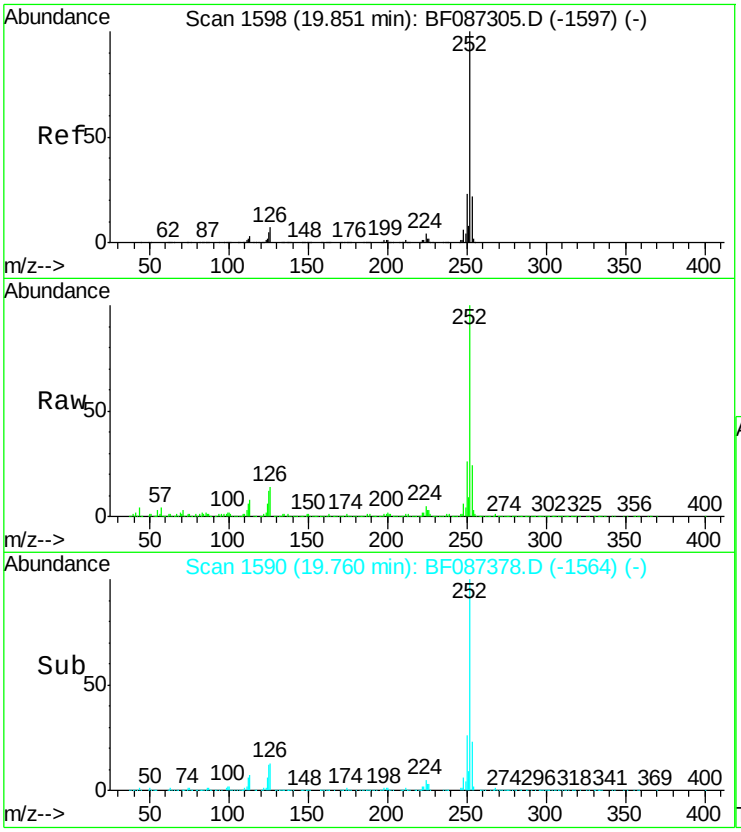


#87
Benzo(b)fluoranthene
Concen: 240.42 ng
RT: 19.76 min Scan# 1590
Delta R.T. 0.03 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:252 Resp: 2548947

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.3	11.4	17.0



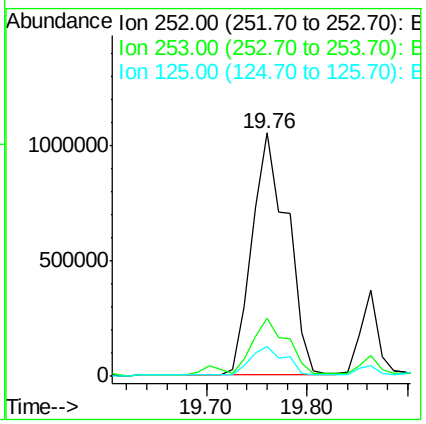


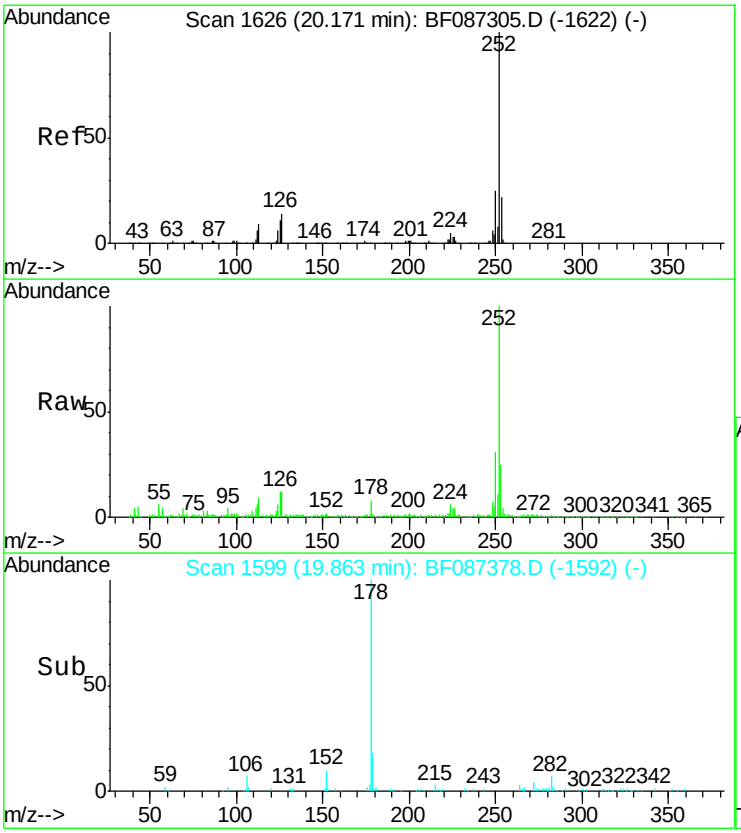
#88
Benzo(k)fluoranthene
Concen: 279.32 ng
RT: 19.76 min Scan# 1590
Delta R.T. 0.00 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:252 Resp: 2548947

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.3	9.1	13.7

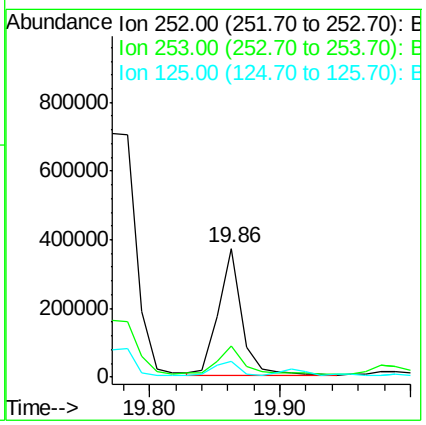


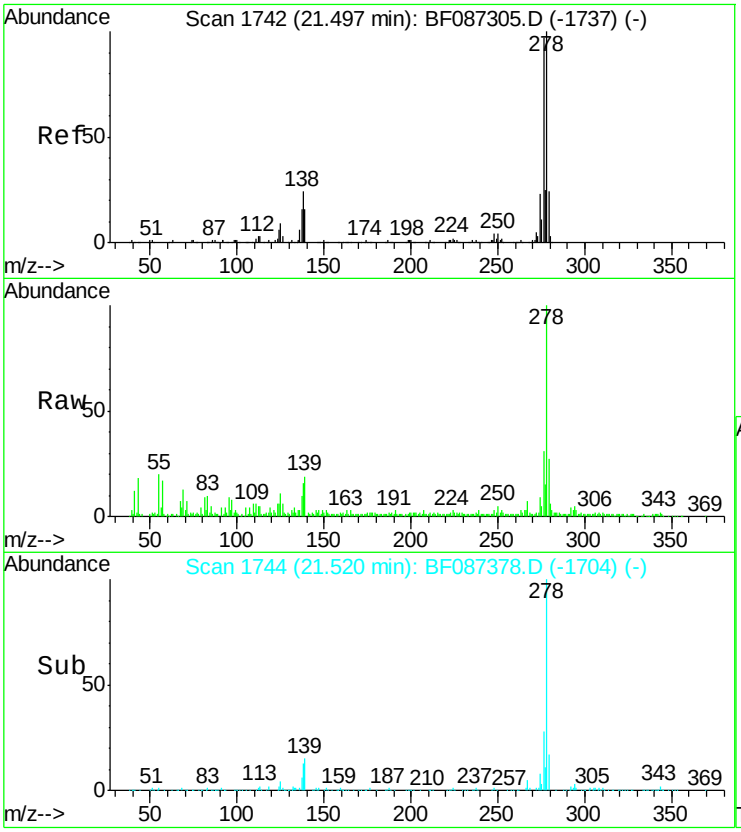


#89
Benzo(a)pyrene
Concen: 49.80 ng
RT: 19.86 min Scan# 1599
Delta R.T. -0.22 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:252 Resp: 456628

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	11.8	9.0	13.6



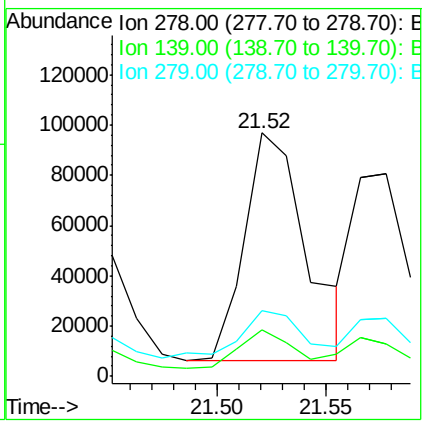


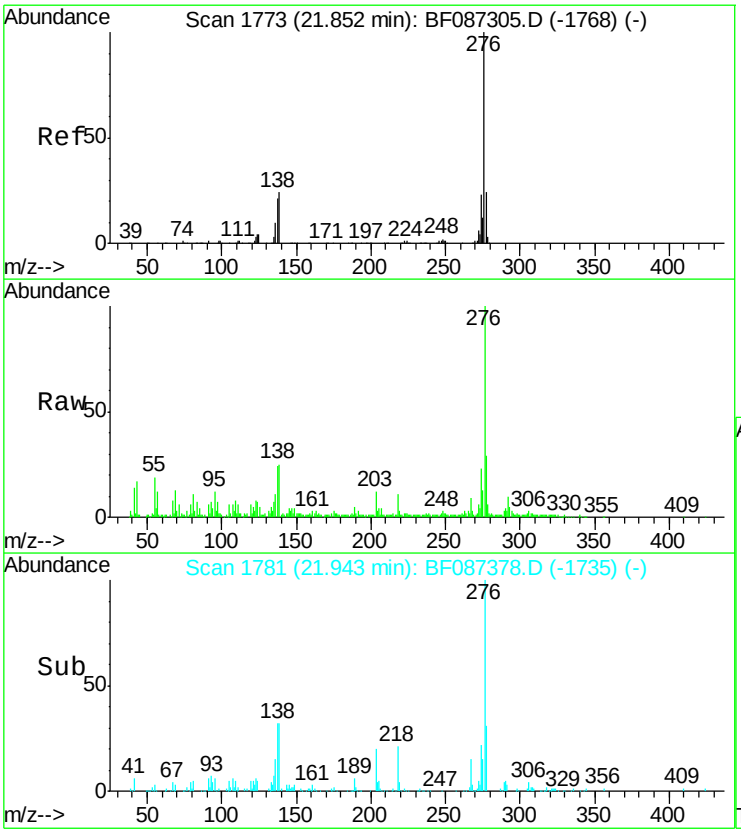
#90
Dibenzo(a,h)anthracene
Concen: 23.03 ng
RT: 21.52 min Scan# 1744
Delta R.T. 0.16 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Instrument :
BNA_F
ClientSampleId :
TA-1304-(0-4)

Tgt Ion:278 Resp: 180116

Ion	Ratio	Lower	Upper
278	100		
139	19.0	16.6	24.8
279	27.0	19.6	29.4





#91
Benzo(g,h,i)perylene
Concen: 22.02 ng
RT: 21.94 min Scan# 1781
Delta R.T. 0.23 min
Lab File: BF087378.D
Acq: 25 May 2016 18:27

Tgt Ion:276 Resp: 169900

Ion	Ratio	Lower	Upper
276	100		
277	29.3	19.6	29.4
138	25.3	23.6	35.4