Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097339.D
Acq On : 4 Aug 2017 1:44
Operator : SJ/JU
Sample : I4562-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-02-080117-A

Quant Time: Aug 04 02:21:38 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	103490	20.00	ng		-0.05
21) Naphthalene-d8	7.73	136	367917	20.00	ng		-0.06
38) Acenaphthene-d10	9.47	164	142793	20.00	ng		-0.06
63) Phenanthrene-d10	10.94	188	219704	20.00	ng		-0.06
75) Chrysene-d12	13.56	240	178125	20.00	ng		-0.06
86) Perylene-d12	14.91	264	107763	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.04	112	159000	23.16	ng		-0.06
7) Phenol-d6	6.12	99	201192	25.67	ng		-0.05
23) Nitrobenzene-d5	7.02	82	91304	14.56	ng		-0.06
41) 2,4,6-Tribromophenol	10.26	330	23871	21.16	ng		-0.06
44) 2-Fluorobiphenyl	8.80	172	172140	20.46	ng		-0.06
78) Terphenyl-d14	12.52	244	131056	15.00	ng		-0.06
Target Compounds							Qvalue
22) Acetophenone	6.85	105	30979	3.506	ng	#	47
35) Caprolactam	8.17	113	17084	10.609	ng	#	1
57) Fluorene	10.02	166	31607	3.891	ng		93
70) Phenanthrene	10.96	178	219881	18.679	ng		98
71) Anthracene	11.02	178	71298	5.913	ng		98
74) Fluoranthene	12.14	202	287252	24.908	ng		97
77) Pyrene	12.37	202	260624	17.872	ng		99
80) Benzo(a)anthracene	13.56	228	119932	10.406	ng		98
82) Chrysene	13.59	228	116610	10.361	ng		95
85) Indeno(1,2,3-cd)pyrene	16.12	276	34930	3.620	ng		96
87) Benzo(b)fluoranthene	14.56	252	126261	19.491	ng	#	93
88) Benzo(k)fluoranthene	14.56	252	126261	20.454	ng		97
89) Benzo(a)pyrene	14.86	252	62726	10.580	ng	#	90
91) Benzo(g,h,i)perylene	16.47	276	33036	6.480	ng	#	95

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

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JC-02-080117-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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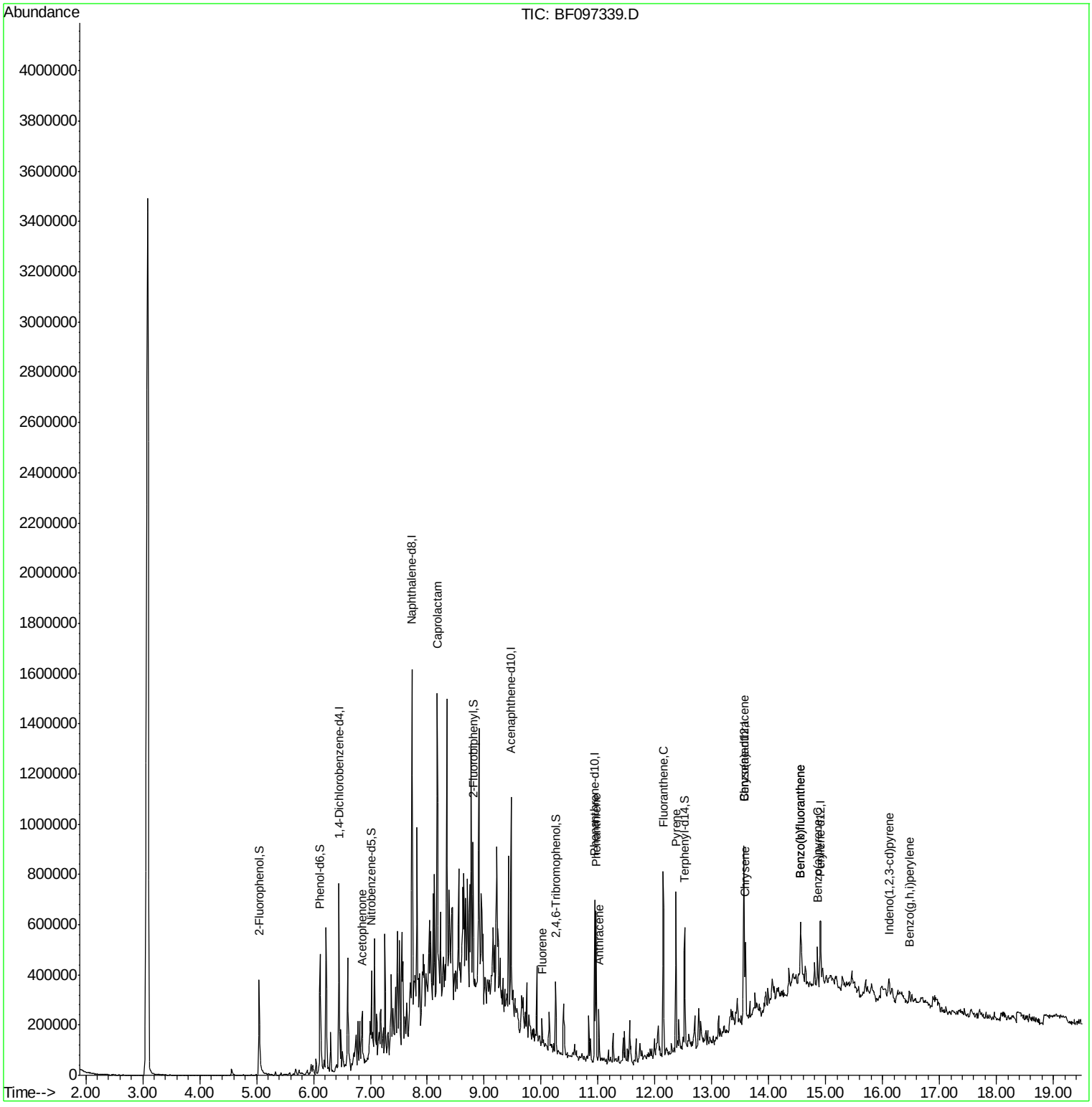
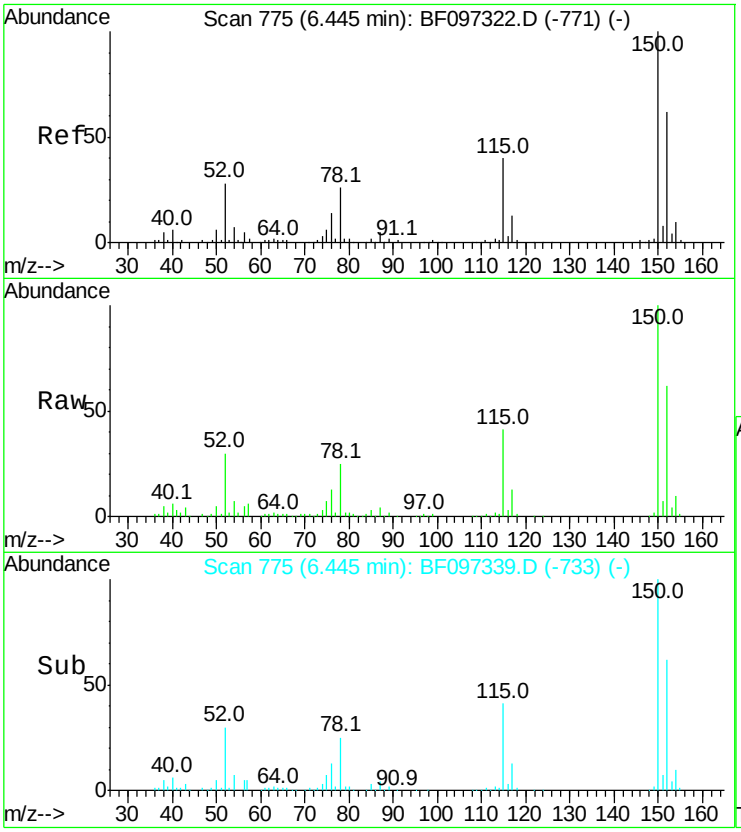
Response via : Initial Calibration



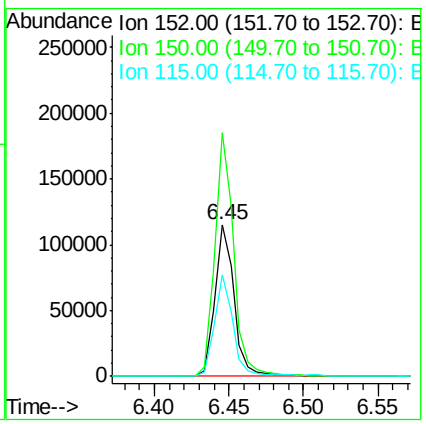


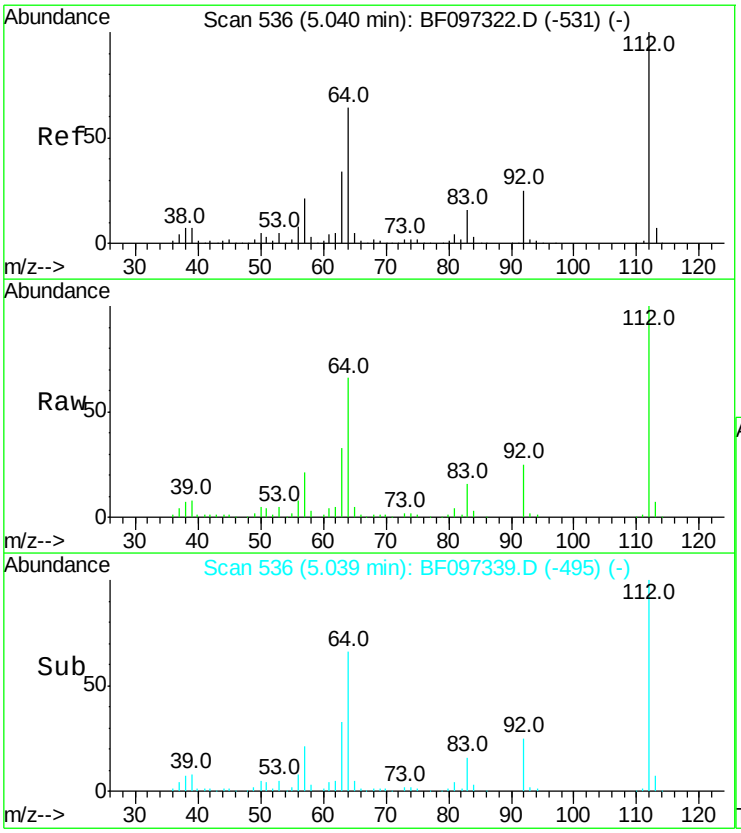
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:152 Resp: 103490

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	66.5	52.2	78.2

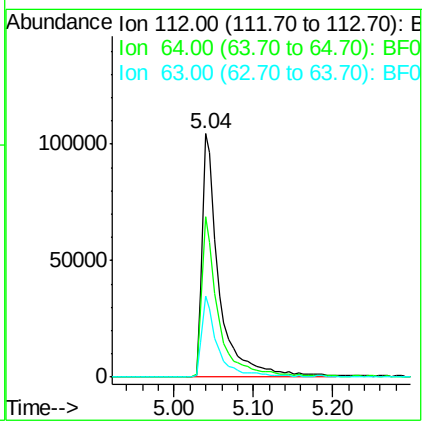


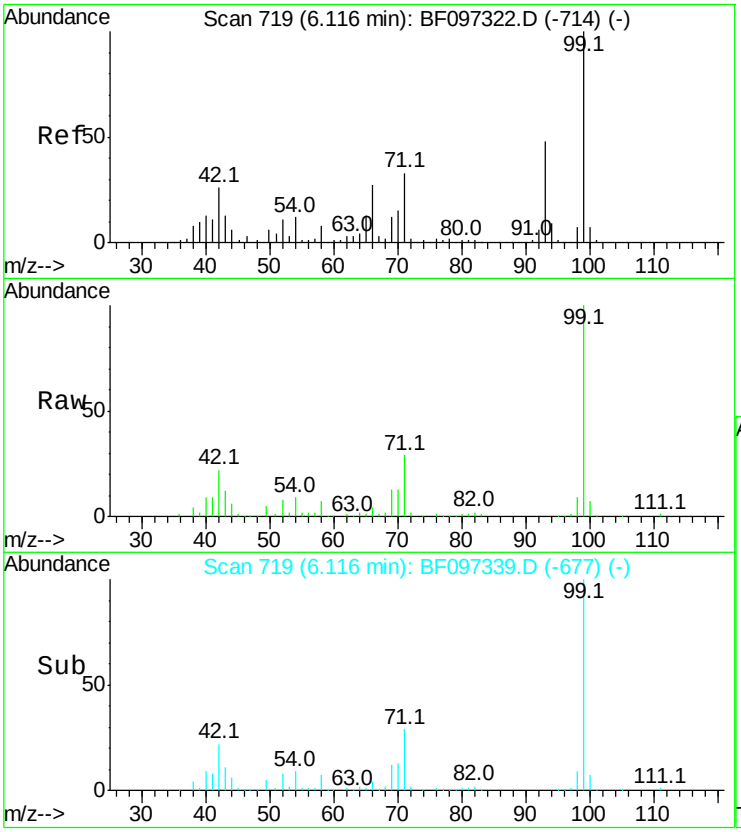


#5
2-Fluorophenol
Concen: 23.161 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:112 Resp: 159000

Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.1	23.4	35.0



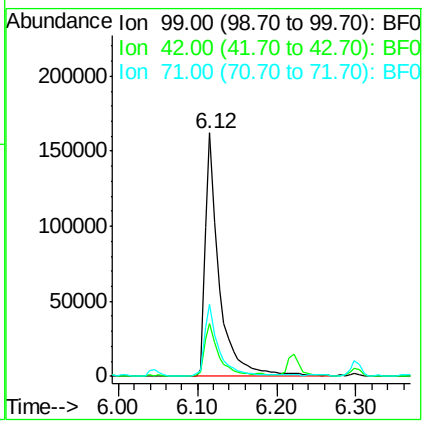


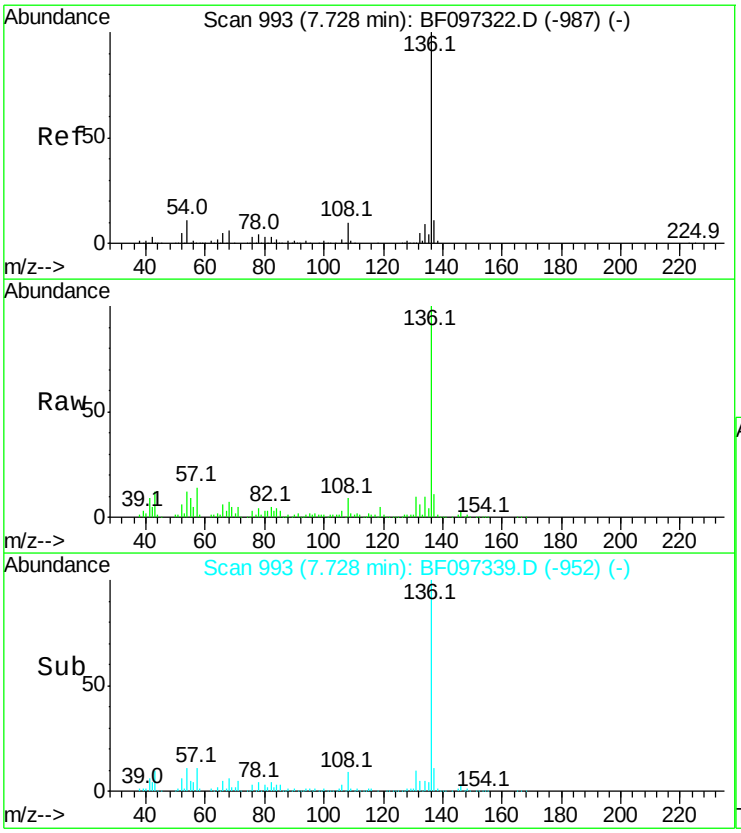
#7
Phenol-d6
Concen: 25.671 ng
RT: 6.12 min Scan# 719
Delta R.T. -0.05 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion: 99 Resp: 201192

Ion	Ratio	Lower	Upper
99	100		
42	21.9	13.5	20.3#
71	29.5	24.5	36.7

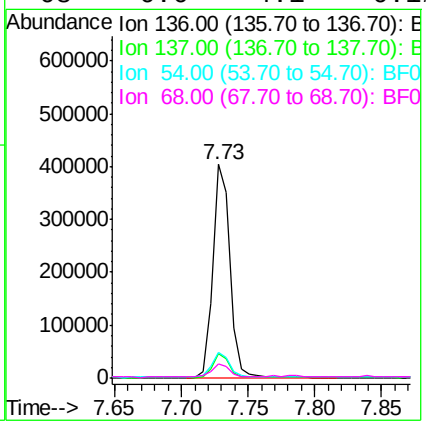


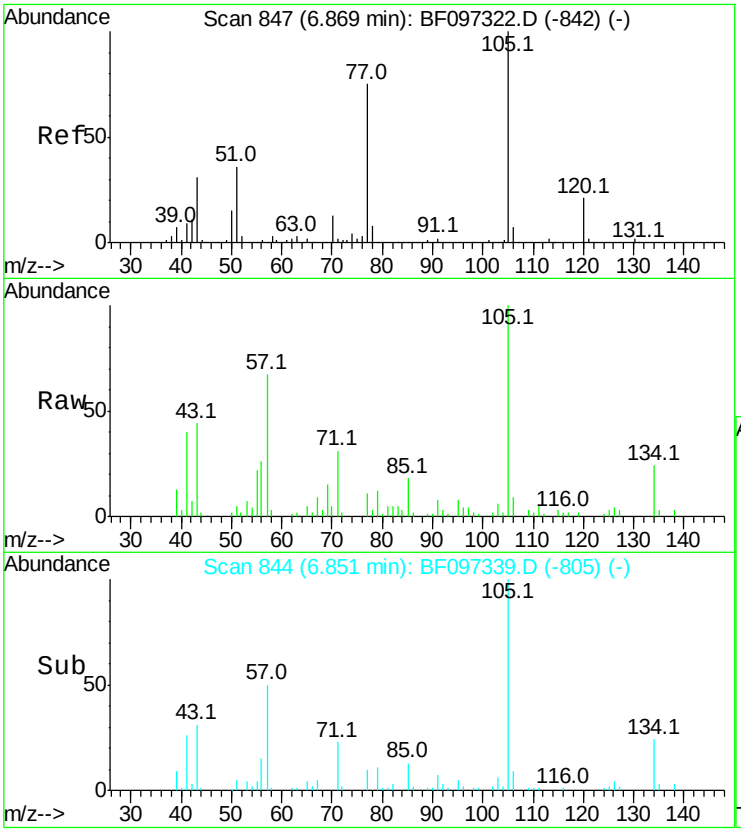


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:136 Resp: 367917

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.8	4.9	7.3#
68	6.6	4.1	6.1#



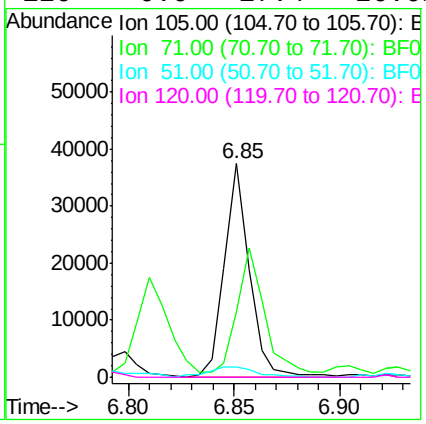


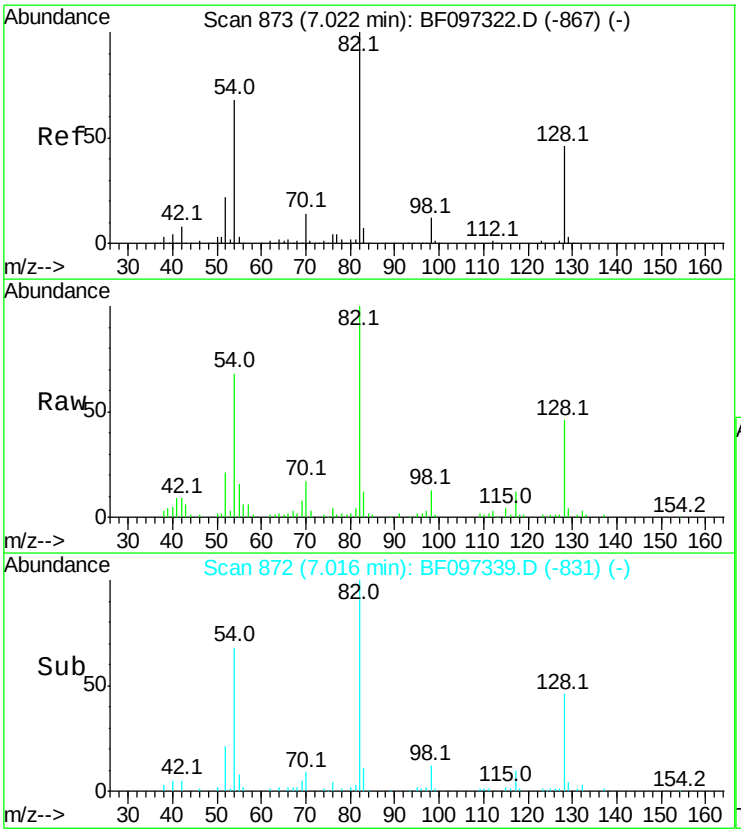
#22
Acetophenone
Concen: 3.506 ng
RT: 6.85 min Scan# 844
Delta R.T. -0.07 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:105 Resp: 30979

Ion	Ratio	Lower	Upper
105	100		
71	30.5	2.8	4.2#
51	5.1	30.7	46.1#
120	0.0	17.4	26.0#

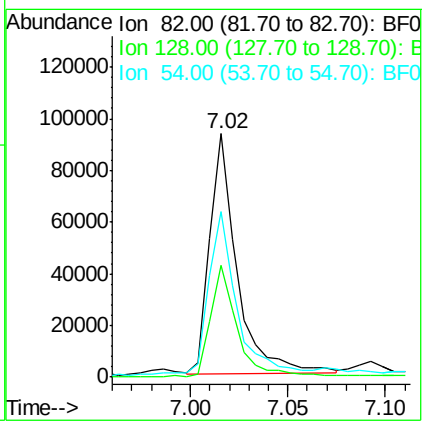


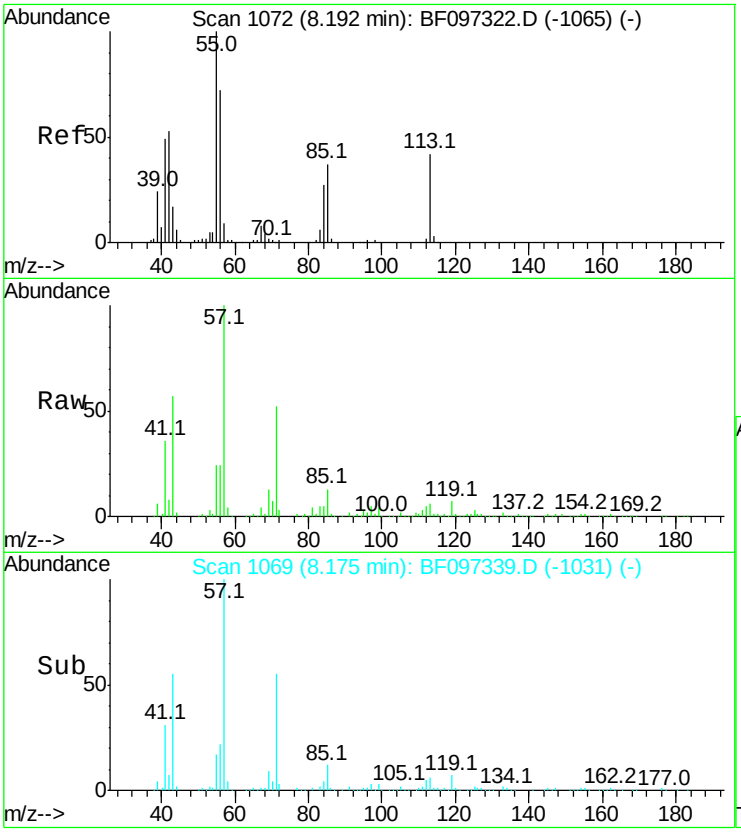


#23
Nitrobenzene-d5
Concen: 14.558 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion: 82 Resp: 91304

Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	68.2	42.2	63.2#



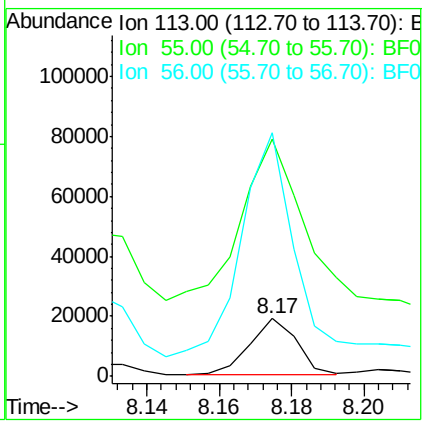


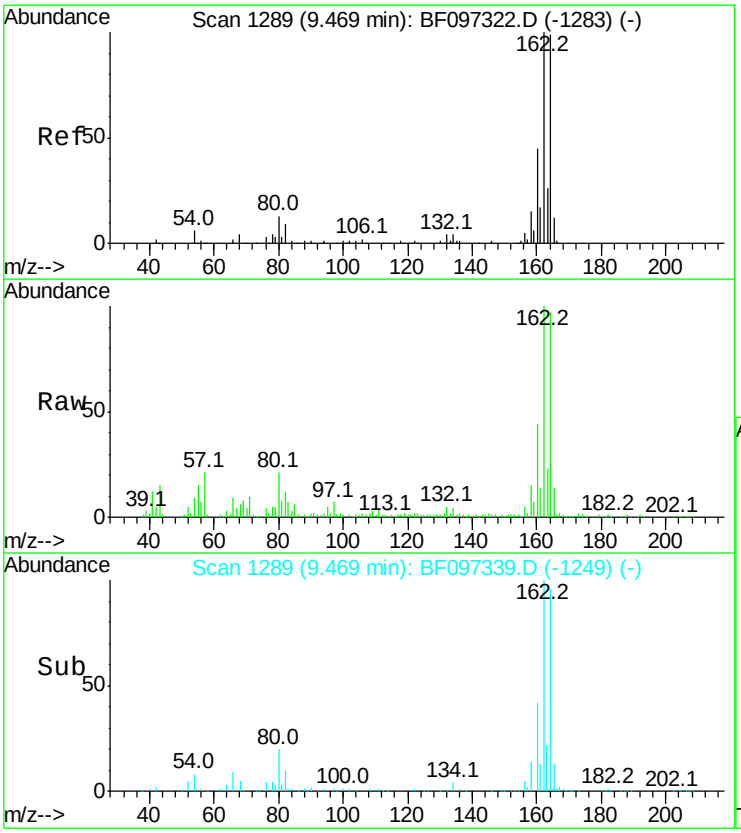
#35
Caprolactam
Concen: 10.609 ng
RT: 8.17 min Scan# 1069
Delta R.T. -0.08 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:113 Resp: 17084

Ion	Ratio	Lower	Upper
113	100		
55	410.7	150.2	190.2#
56	421.1	107.8	147.8#

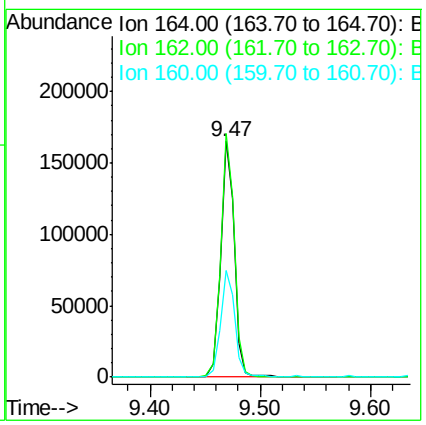


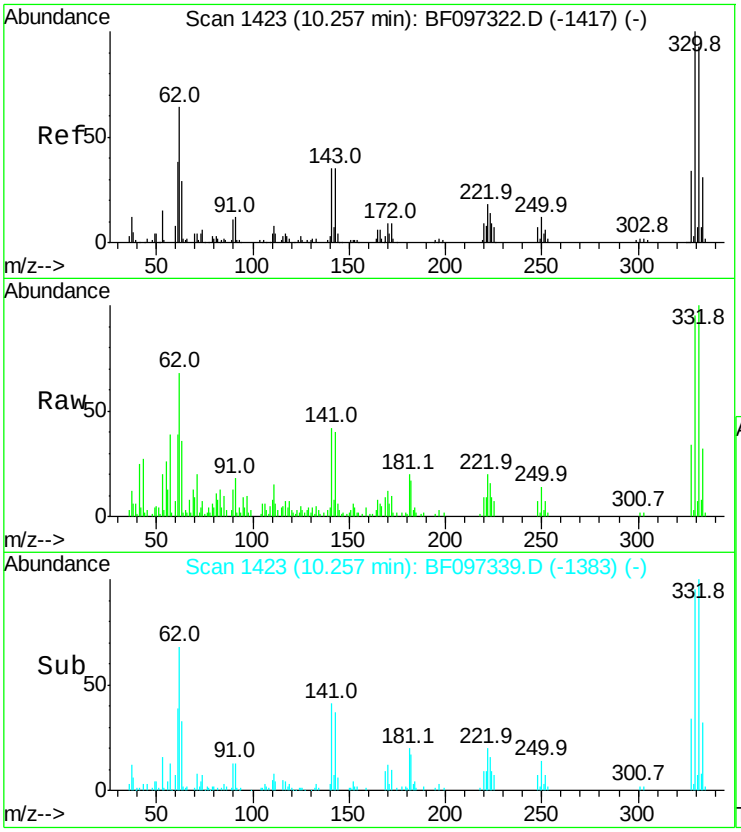


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.47 min Scan# 1289
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:164 Resp: 142793

Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.1	36.2	54.2



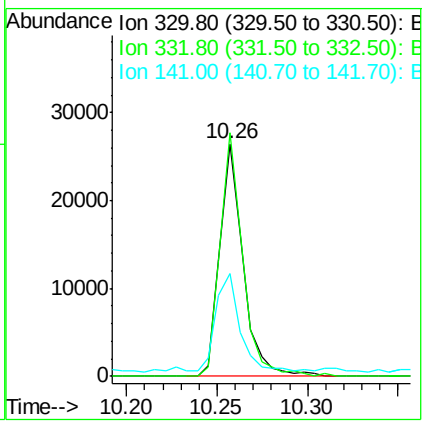


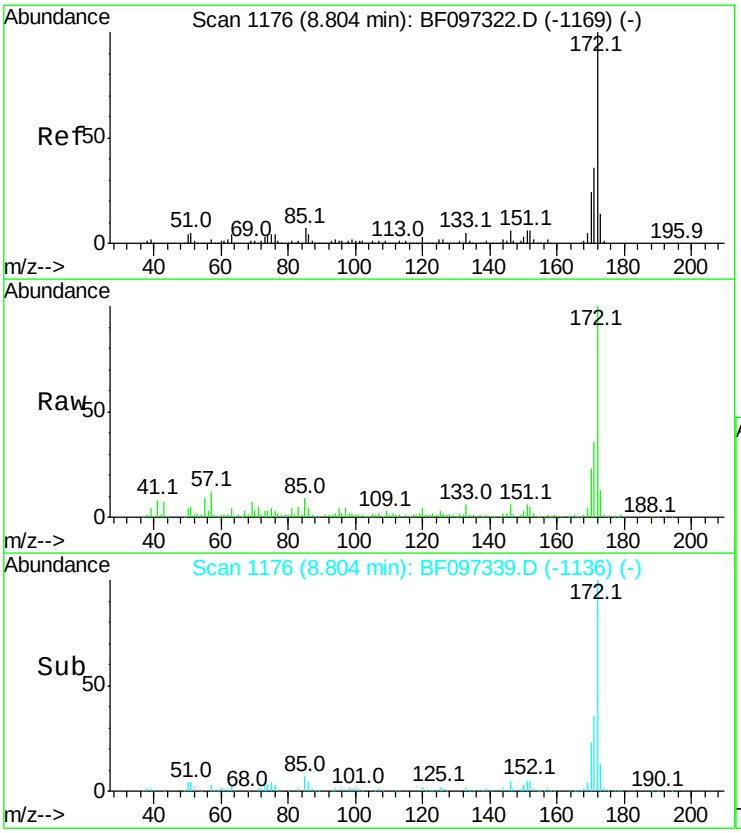
#41
2,4,6-Tribromophenol
Concen: 21.158 ng
RT: 10.26 min Scan# 1423
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:330 Resp: 23871

Ion	Ratio	Lower	Upper
330	100		
332	100.5	76.6	115.0
141	43.9	31.4	47.2

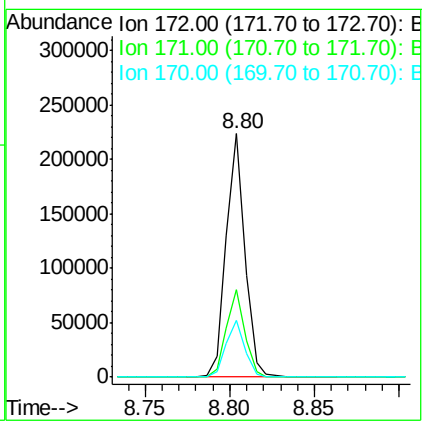


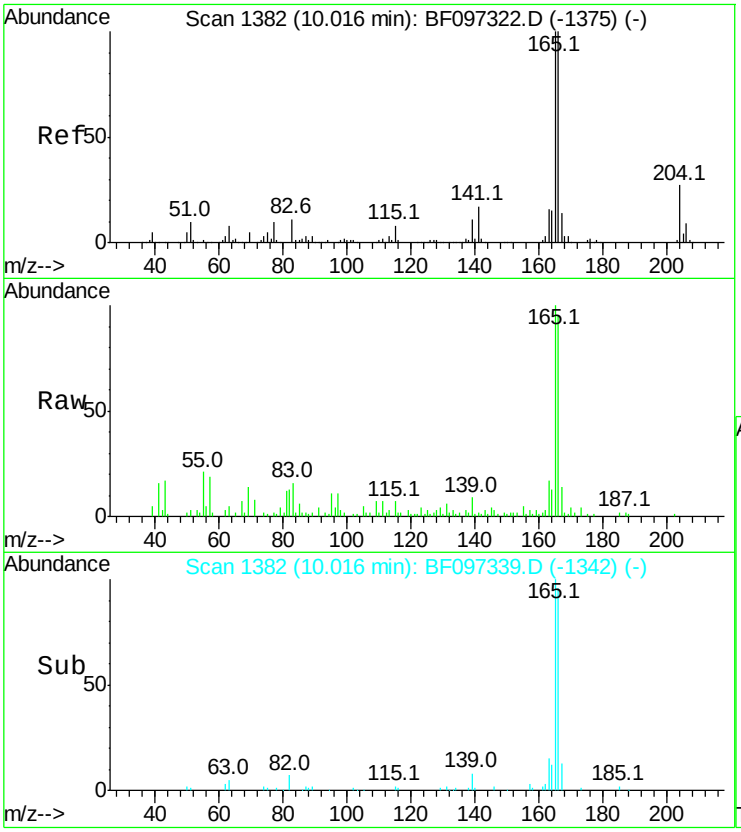


#44
2-Fluorobiphenyl
Concen: 20.459 ng
RT: 8.80 min Scan# 1176
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:172 Resp: 172140

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.3	19.8	29.8



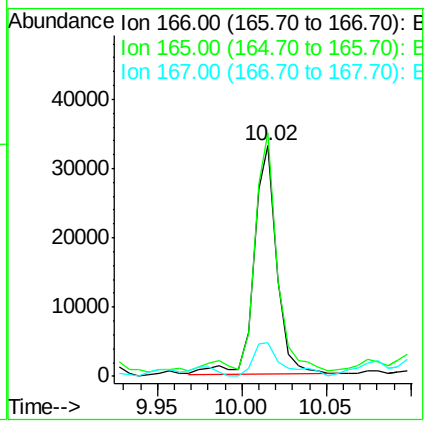


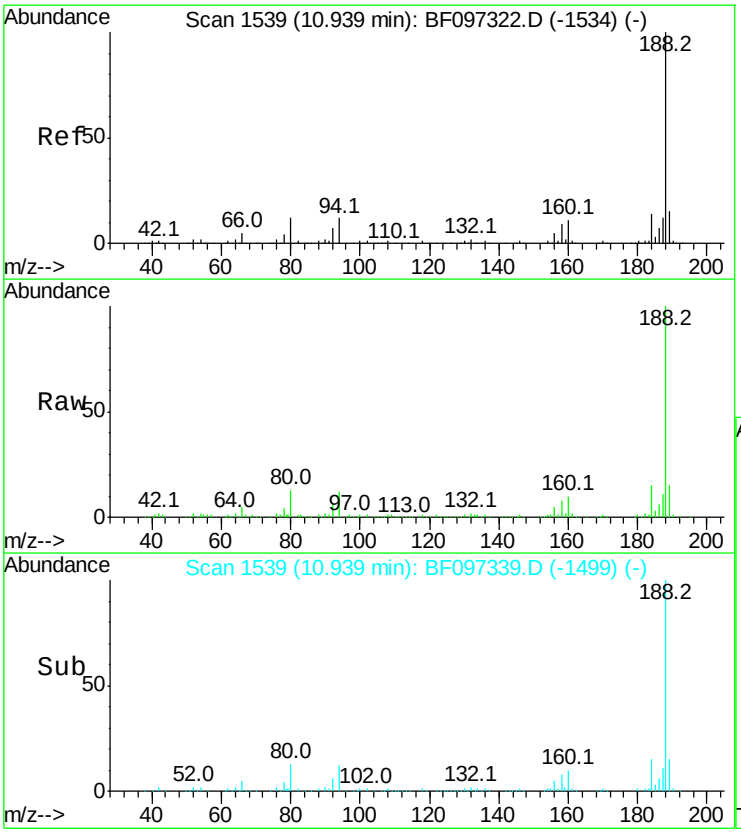
#57
Fluorene
Concen: 3.891 ng
RT: 10.02 min Scan# 1382
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:166 Resp: 31607

Ion	Ratio	Lower	Upper
166	100		
165	105.7	78.8	118.2
167	14.7	10.6	16.0

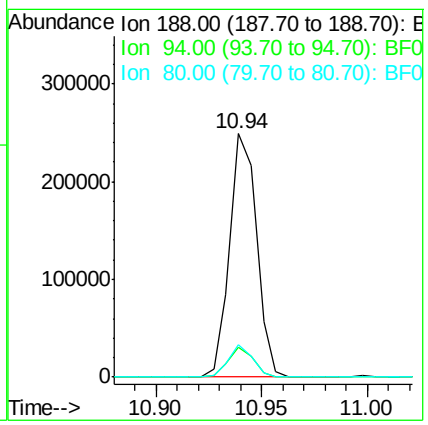


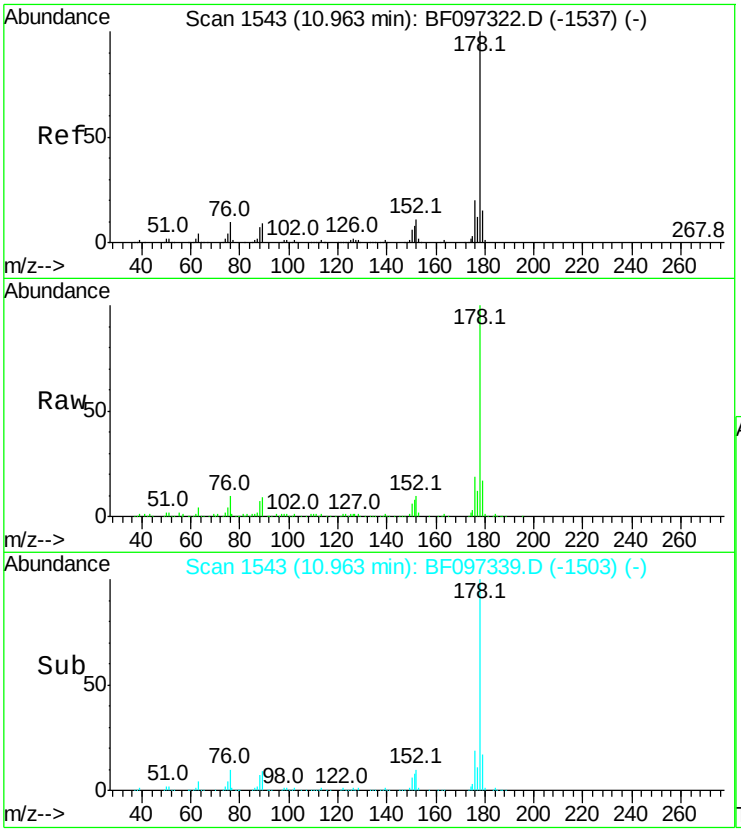


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:188 Resp: 219704

Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	13.1	10.2	15.2



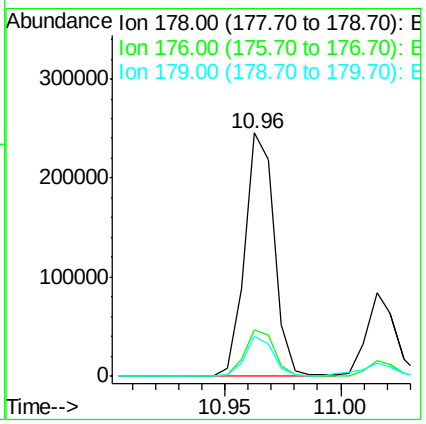


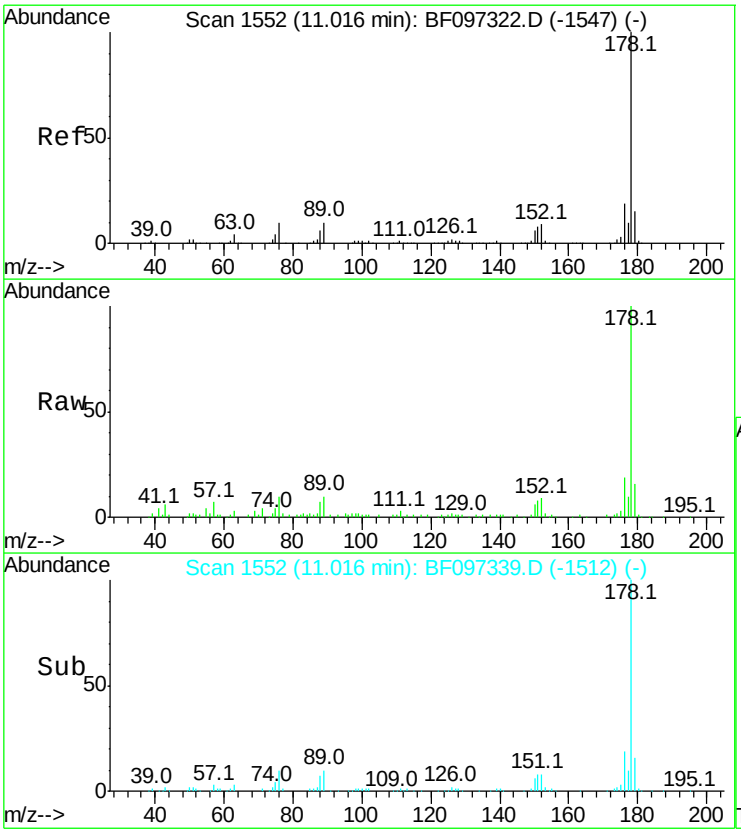
#70
Phenanthrene
Concen: 18.679 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:178 Resp: 219881

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	16.6	12.6	19.0

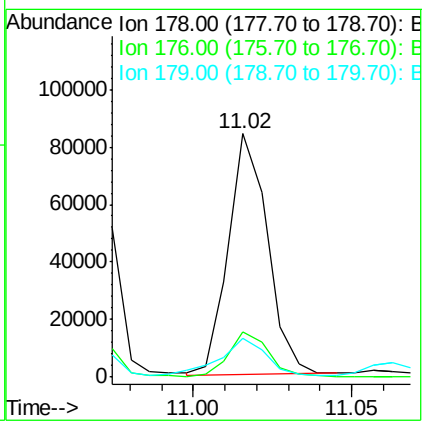


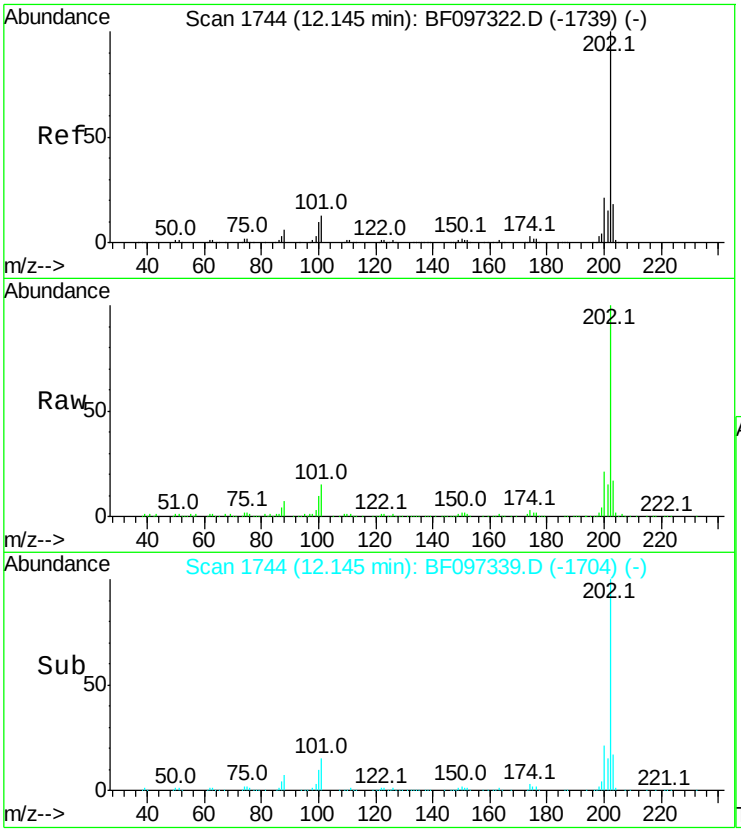


#71
Anthracene
Concen: 5.913 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:178 Resp: 71298

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.1	12.7	19.1



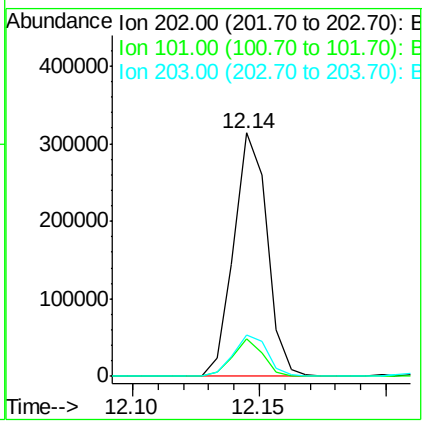


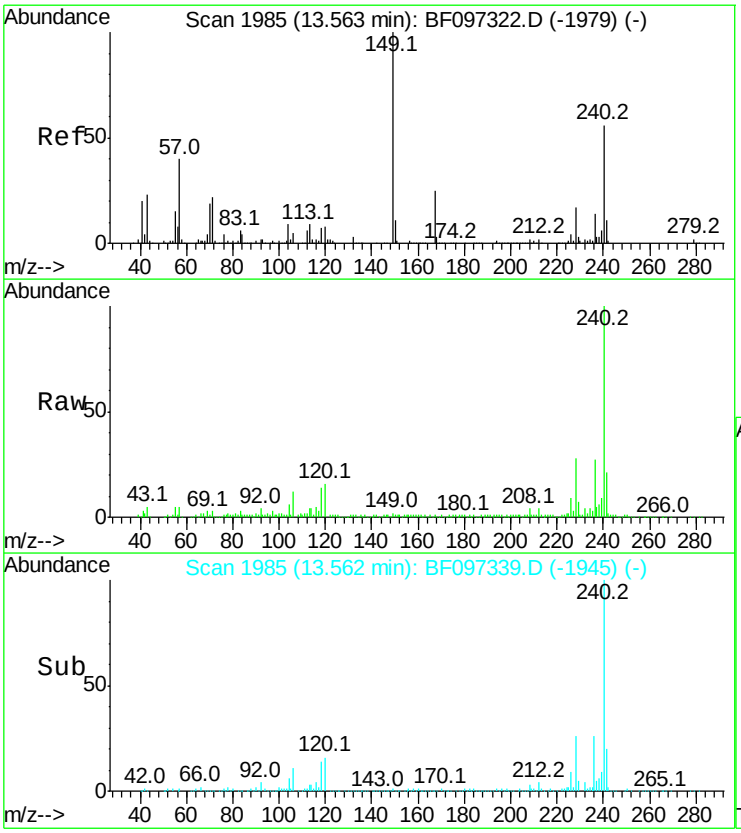
#74
Fluoranthene
Concen: 24.908 ng
RT: 12.14 min Scan# 1744
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:202 Resp: 287252

Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	33.2
203	17.3	0.0	38.1

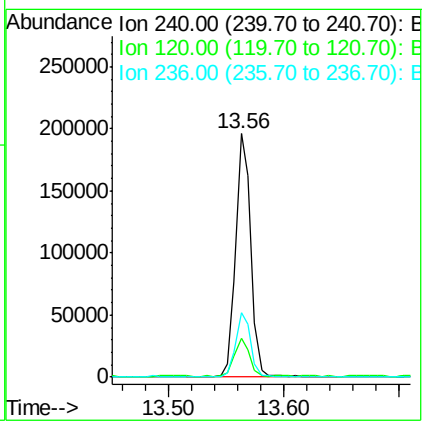


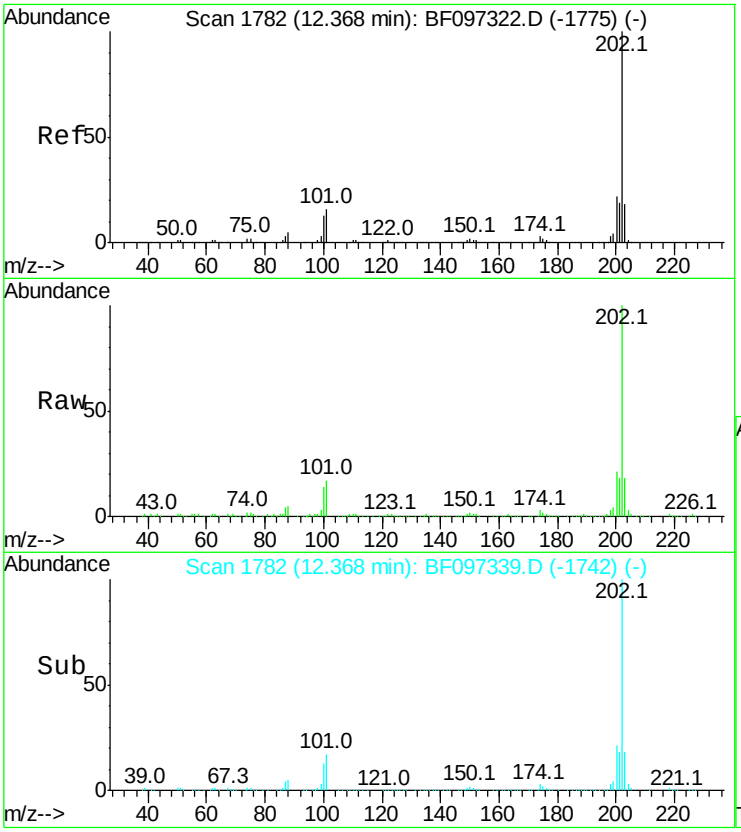


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:240 Resp: 178125

Ion	Ratio	Lower	Upper
240	100		
120	16.1	5.8	8.8#
236	26.6	20.5	30.7



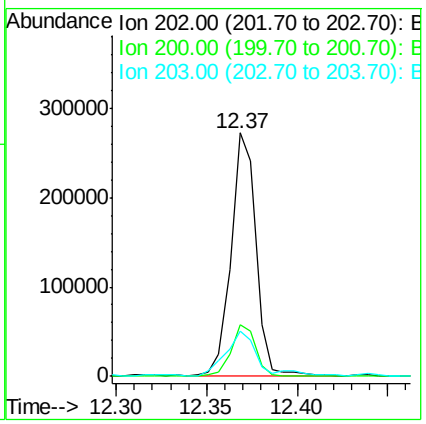


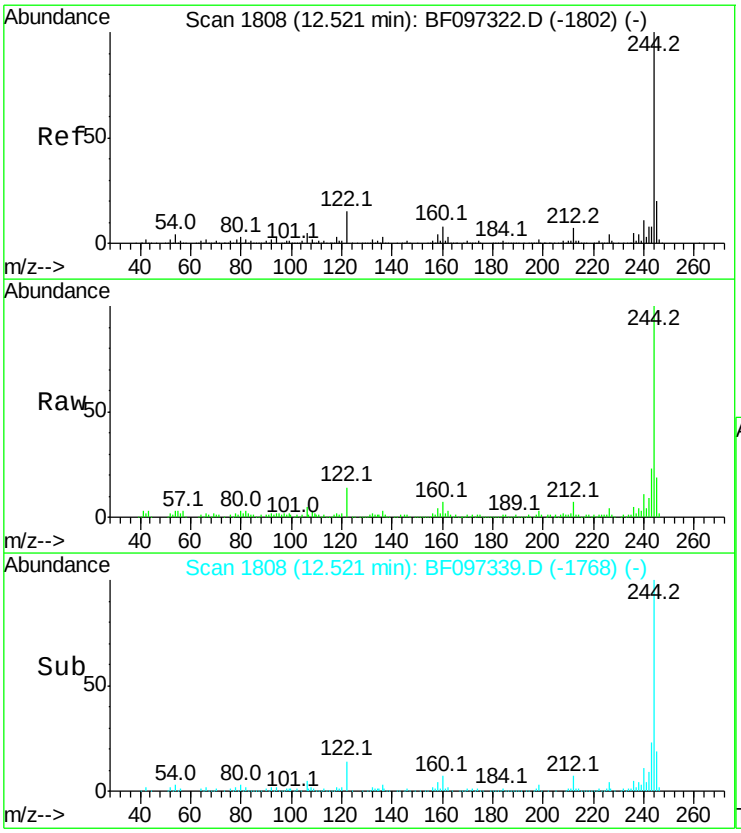
#77
Pyrene
Concen: 17.872 ng
RT: 12.37 min Scan# 1782
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:202 Resp: 260624

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.4	14.4	21.6

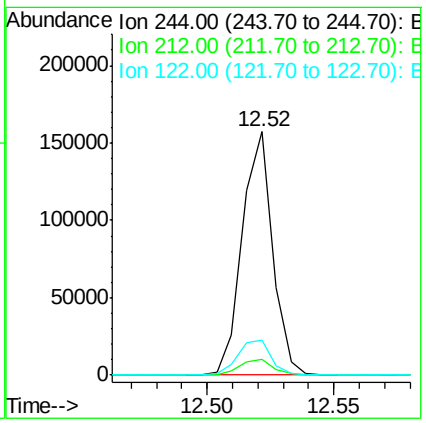


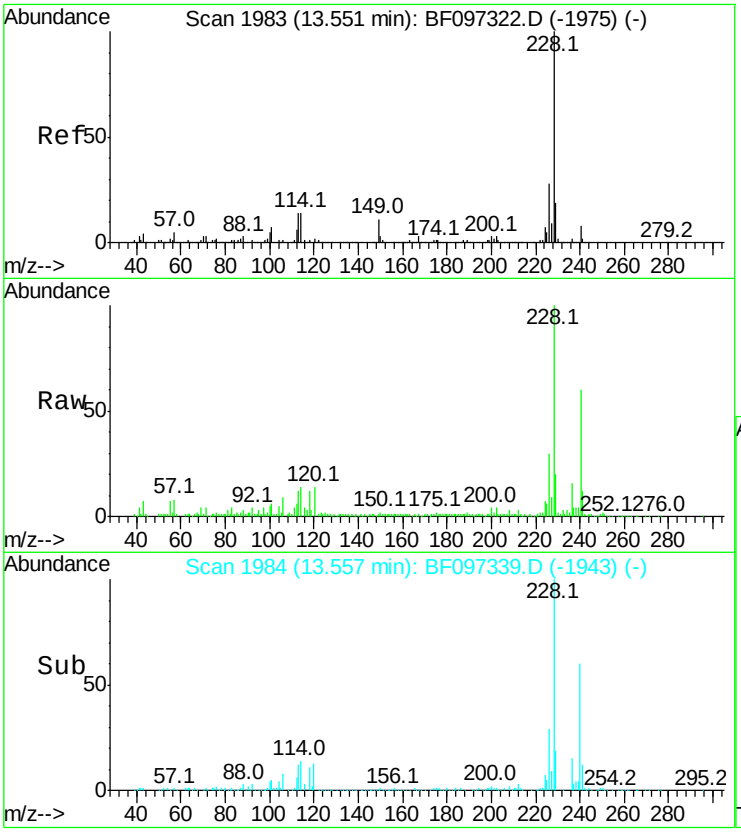


#78
Terphenyl-d14
Concen: 15.001 ng
RT: 12.52 min Scan# 1808
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:244 Resp: 131056

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.2	10.3	15.5



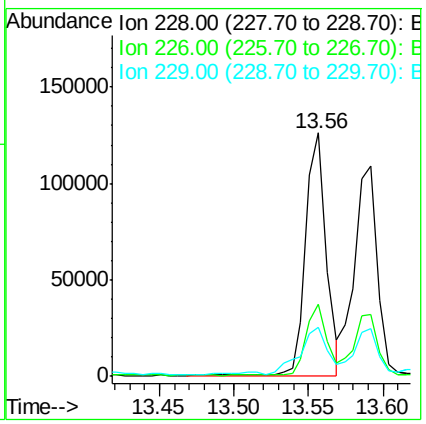


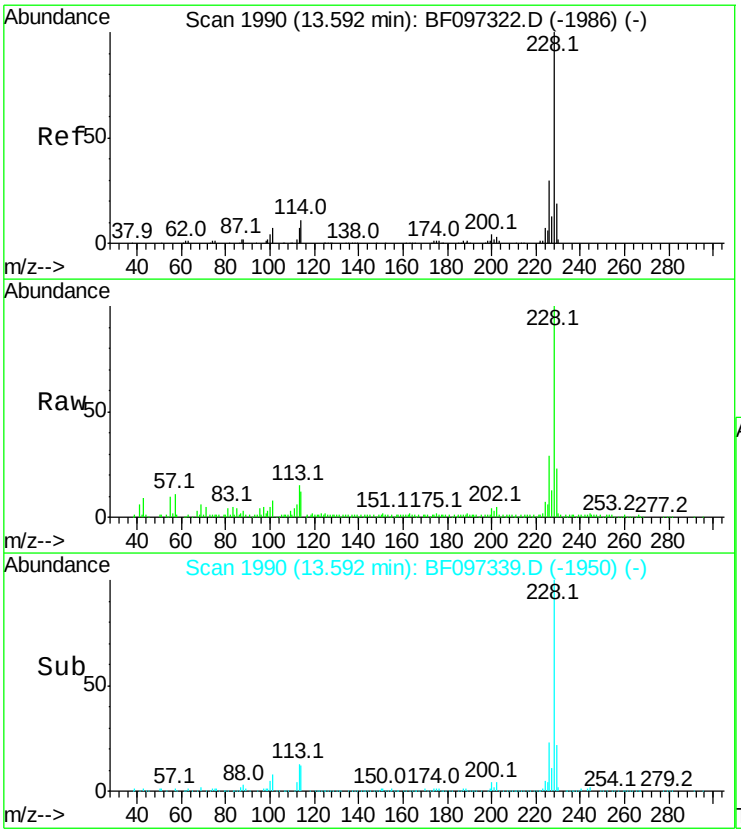
#80
Benzo(a)anthracene
Concen: 10.406 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:228 Resp: 119932

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.2	16.3	24.5

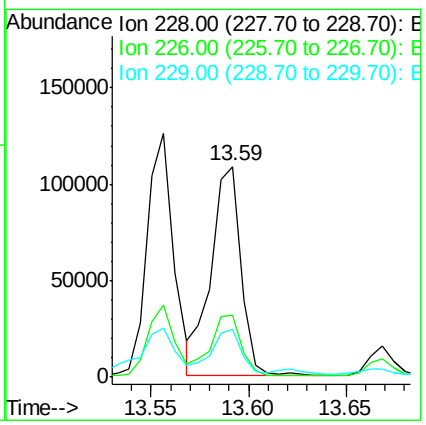


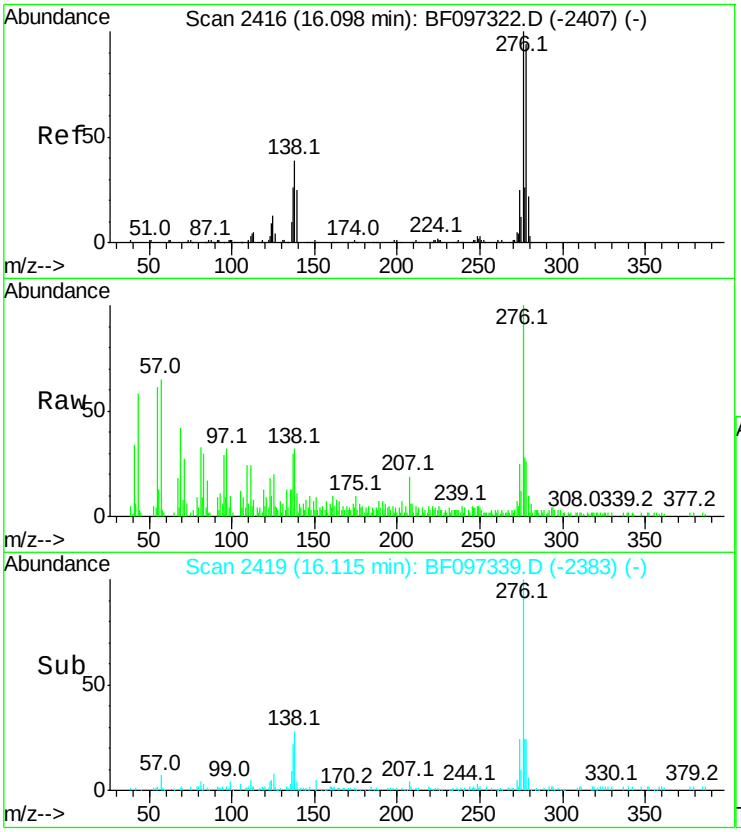


#82
Chrysene
Concen: 10.361 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:228 Resp: 116610

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	22.9	15.8	23.6



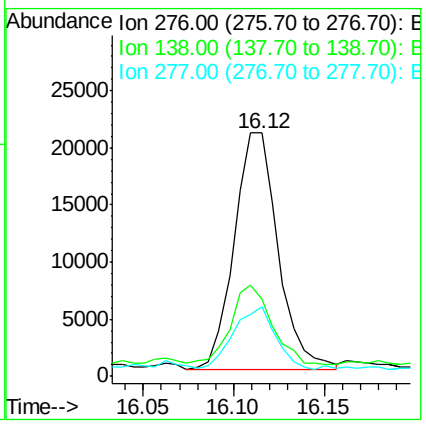


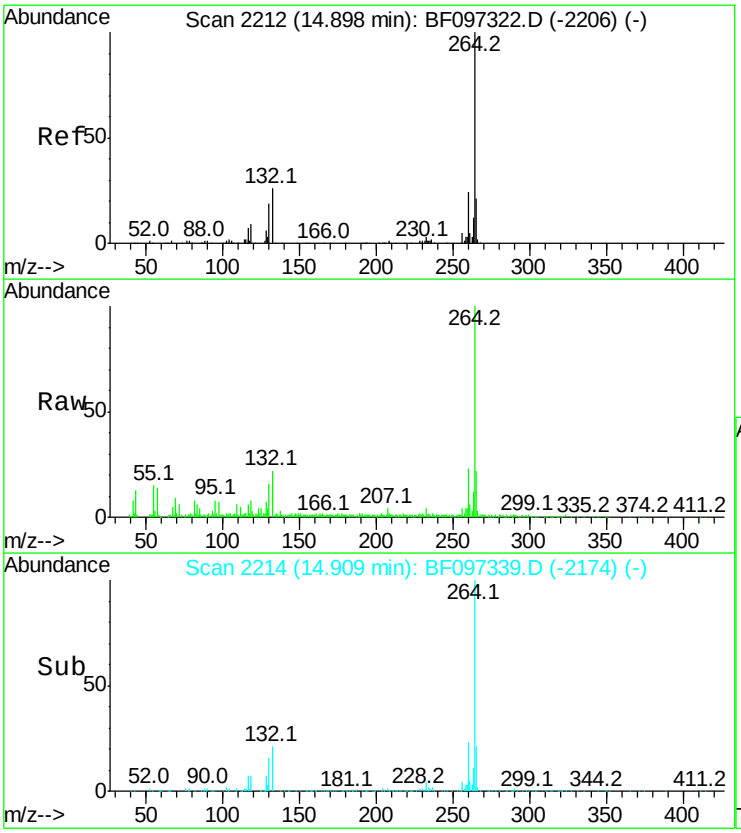
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.620 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.09 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:276 Resp: 34930

Ion	Ratio	Lower	Upper
276	100		
138	31.7	27.8	41.6
277	26.1	20.2	30.4

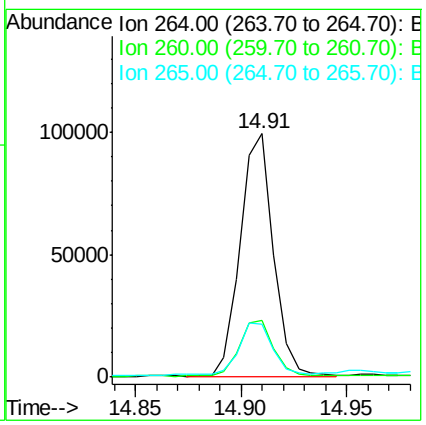


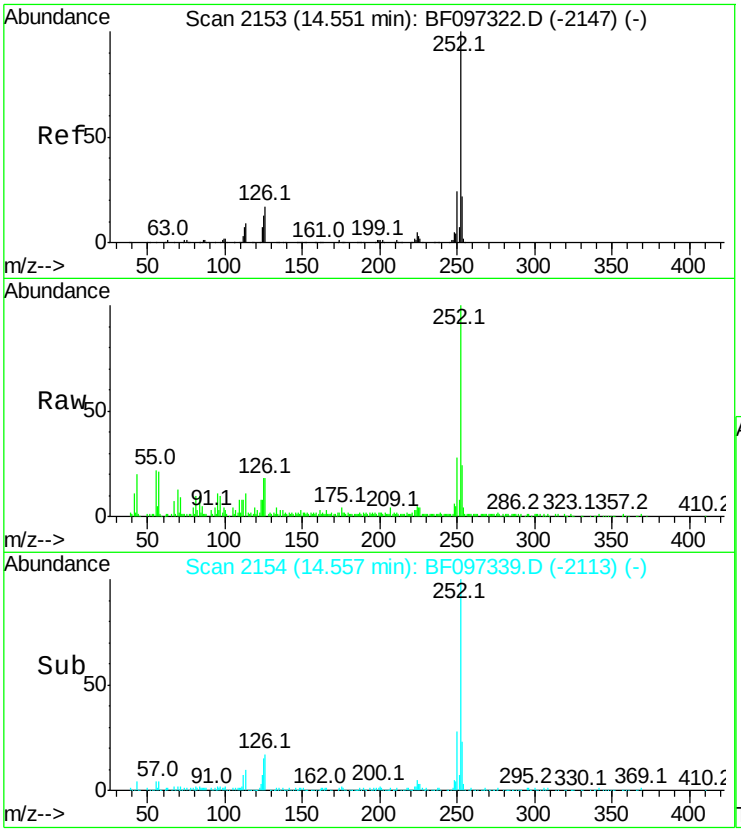


#86
Perylene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:264 Resp: 107763

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.8	17.2	25.8



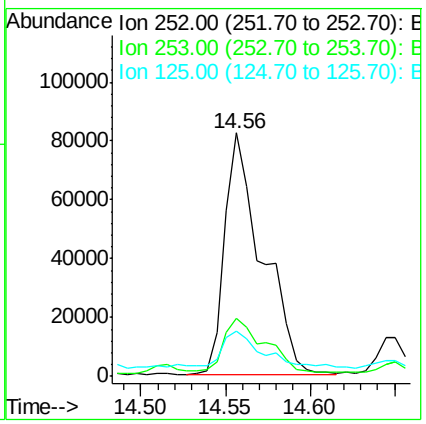


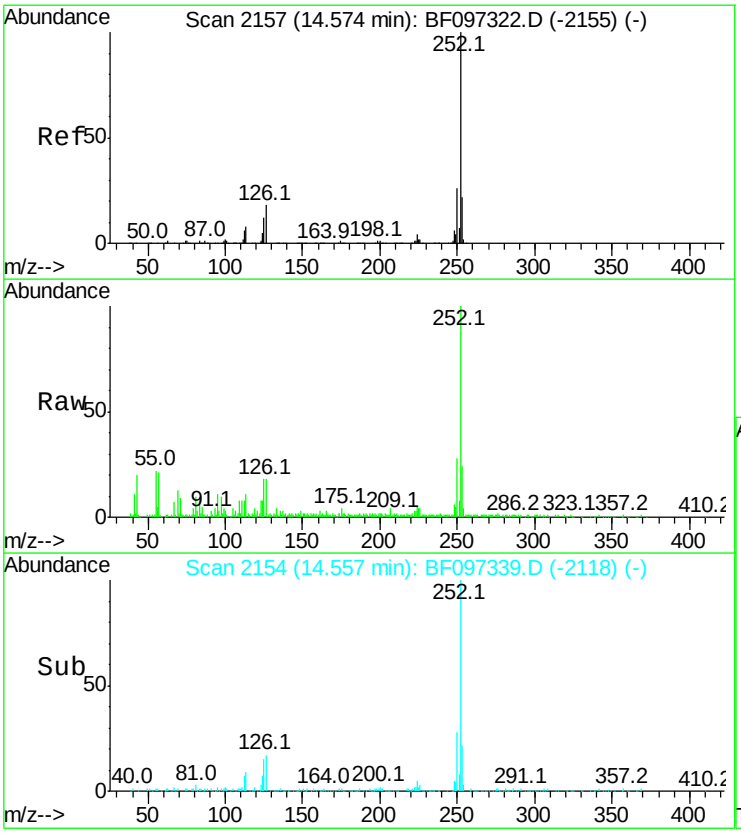
#87
Benzo(b)fluoranthene
Concen: 19.491 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:252 Resp: 126261

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	18.5	9.8	14.8#

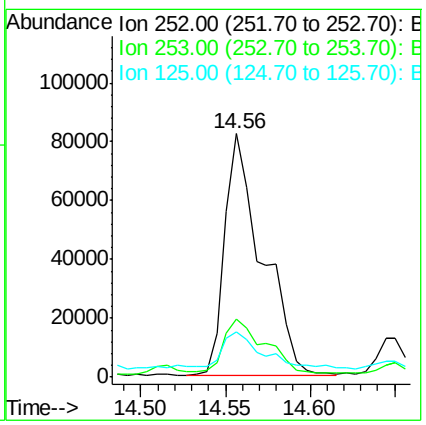


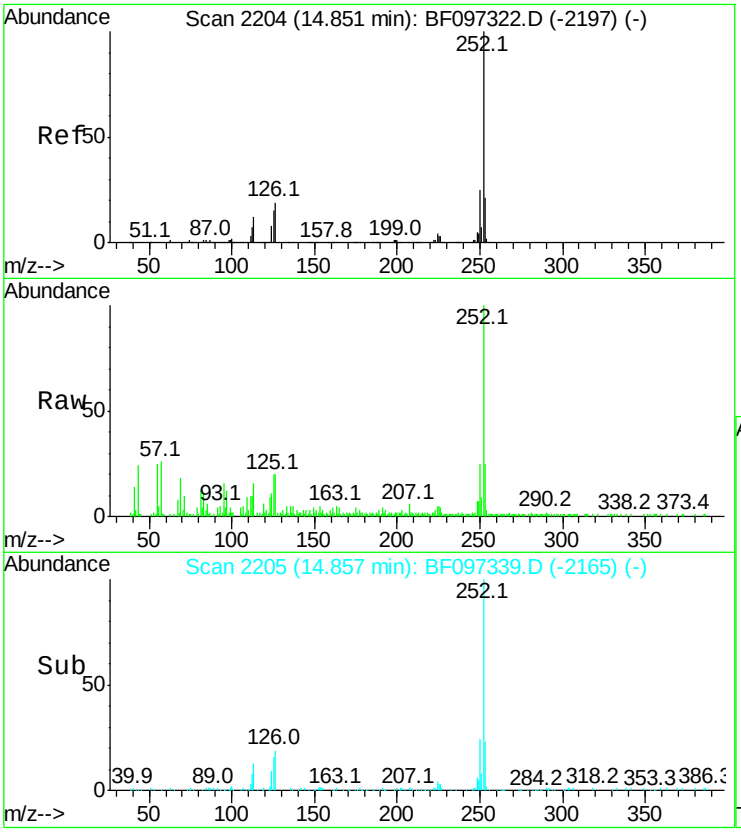


#88
Benzo(k)fluoranthene
Concen: 20.454 ng
RT: 14.56 min Scan# 2154
Delta R.T. -0.09 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:252 Resp: 126261

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	18.5	13.1	19.7



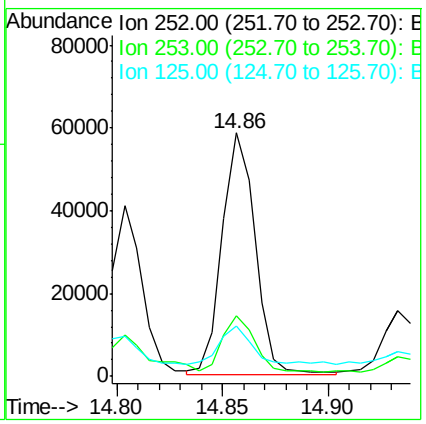


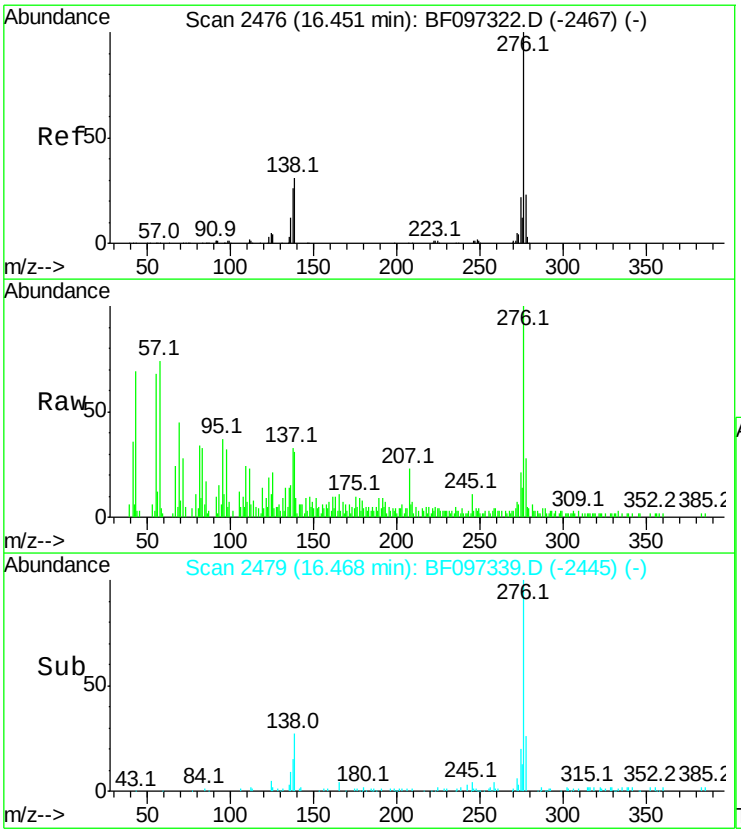
#89
Benzo(a)pyrene
Concen: 10.580 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-A

Tgt Ion:252 Resp: 62726

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	20.5	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 6.480 ng
RT: 16.47 min Scan# 2479
Delta R.T. -0.10 min
Lab File: BF097339.D
Acq: 4 Aug 2017 1:44

Tgt Ion:276 Resp: 33036

Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.6	28.0#
138	31.3	25.4	38.0