Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097409.D
Acq On : 5 Aug 2017 20:47
Operator : SJ/JU
Sample : I4613-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 06 01:12:07 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	6.43	152	88166	20.00	ng		-0.07
21) Naphthalene-d8	7.71	136	303074	20.00	ng		-0.08
38) Acenaphthene-d10	9.45	164	107933	20.00	ng		-0.08
63) Phenanthrene-d10	10.92	188	179826	20.00	ng		-0.08
75) Chrysene-d12	13.54	240	171758	20.00	ng		-0.08
86) Perylene-d12	14.89	264	110176	20.00	ng		-0.09
System Monitoring Compounds							
5) 2-Fluorophenol	5.03	112	119709	20.47	ng		-0.07
7) Phenol-d6	6.10	99	158497	23.74	ng		-0.06
23) Nitrobenzene-d5	7.00	82	69083	13.37	ng		-0.08
41) 2,4,6-Tribromophenol	10.24	330	18232	21.38	ng		-0.08
44) 2-Fluorobiphenyl	8.79	172	136233	21.42	ng		-0.08
78) Terphenyl-d14	12.50	244	98952	11.75	ng		-0.08
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.00	70	9221	2.10	ng	#	87
25) Isophorone	7.00	82	69082	6.83	ng	#	67
50) 2,6-Dinitrotoluene	9.45	165	14142	8.14	ng	#	35
56) 2,4-Dinitrotoluene	9.45	165	14142	7.08	ng	#	34
70) Phenanthrene	10.95	178	65140	6.76	ng		99
74) Fluoranthene	12.13	202	172795	18.31	ng		97
77) Pyrene	12.35	202	164830	11.72	ng		98
80) Benzo(a)anthracene	13.53	228	79851	7.19	ng		98
82) Chrysene	13.57	228	74600	6.87	ng		98
85) Indeno(1,2,3-cd)pyrene	16.09	276	28642	3.08	ng		95
87) Benzo(b)fluoranthene	14.54	252	100494	15.17	ng	#	93
88) Benzo(k)fluoranthene	14.54	252	100494	15.92	ng		97
89) Benzo(a)pyrene	14.84	252	50603	8.35	ng	#	92
91) Benzo(g,h,i)perylene	16.44	276	30118	5.78	ng	#	93

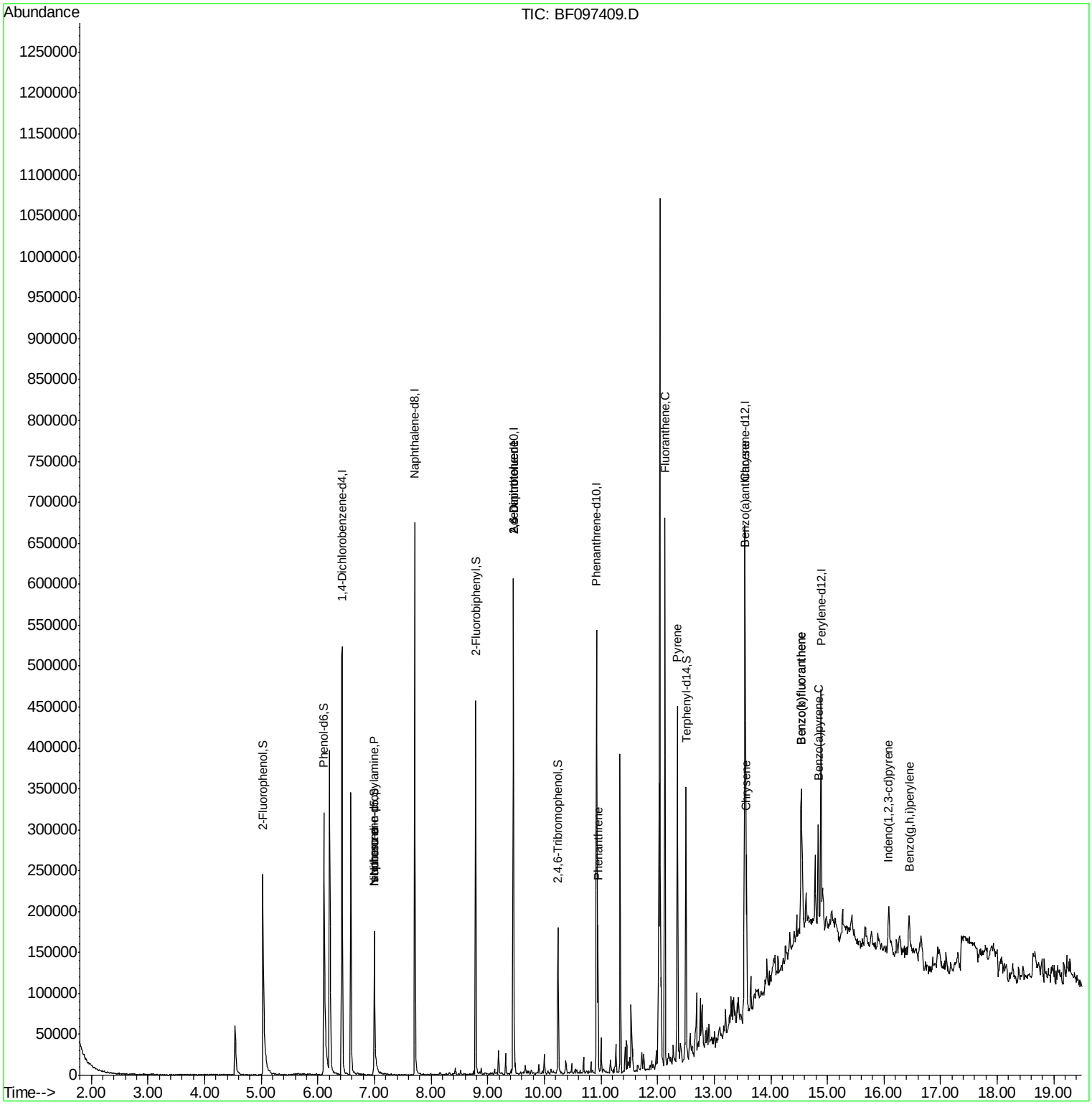
(#) = qualifier out of range (m) = manual integration (+) = signals summed

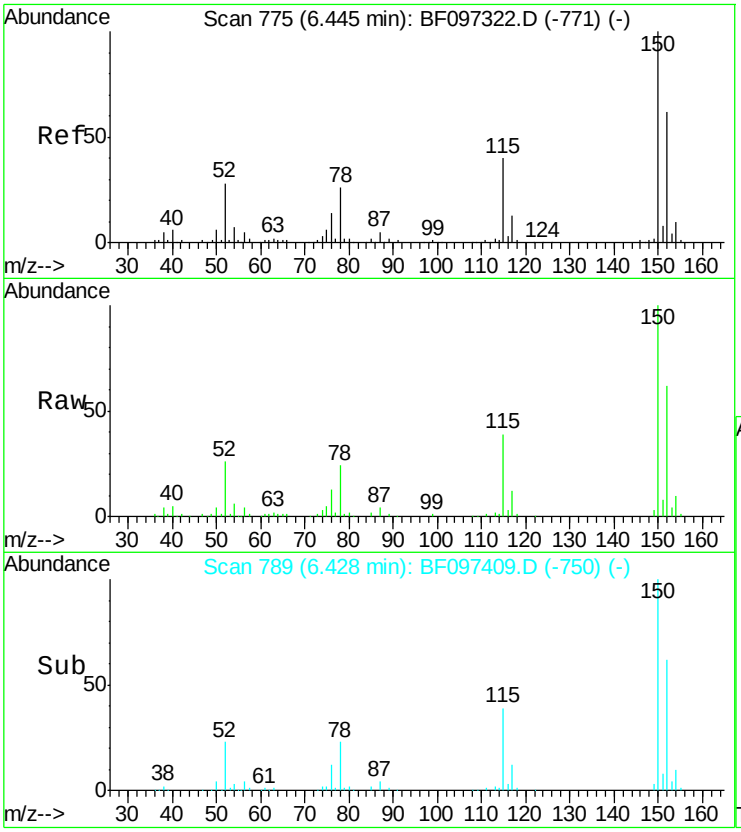
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097409.D
Acq On : 5 Aug 2017 20:47
Operator : SJ/JU
Sample : I4613-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 06 01:12:07 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



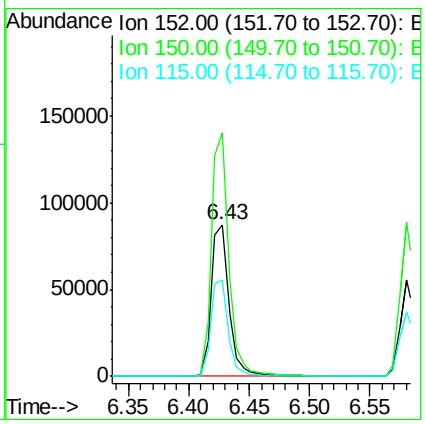


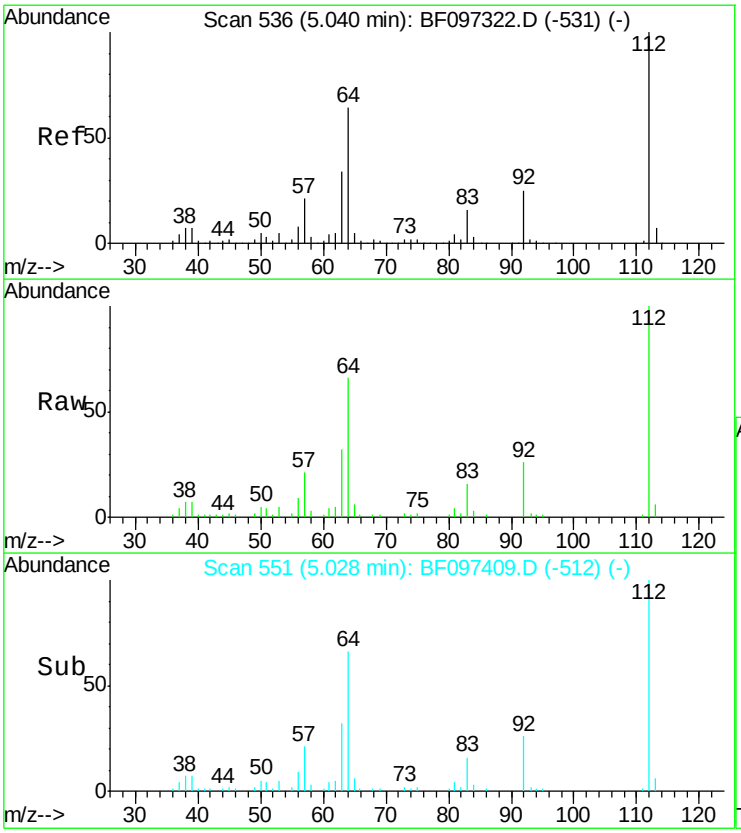
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 88166

Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.2	189.2
115	63.2	52.2	78.2

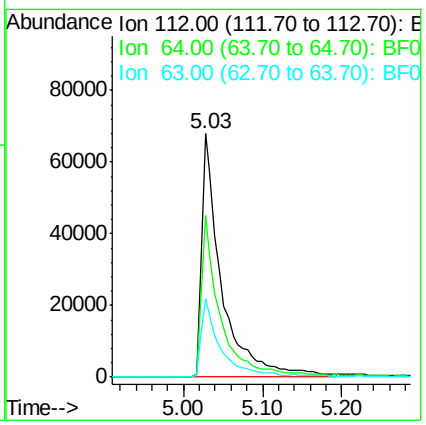


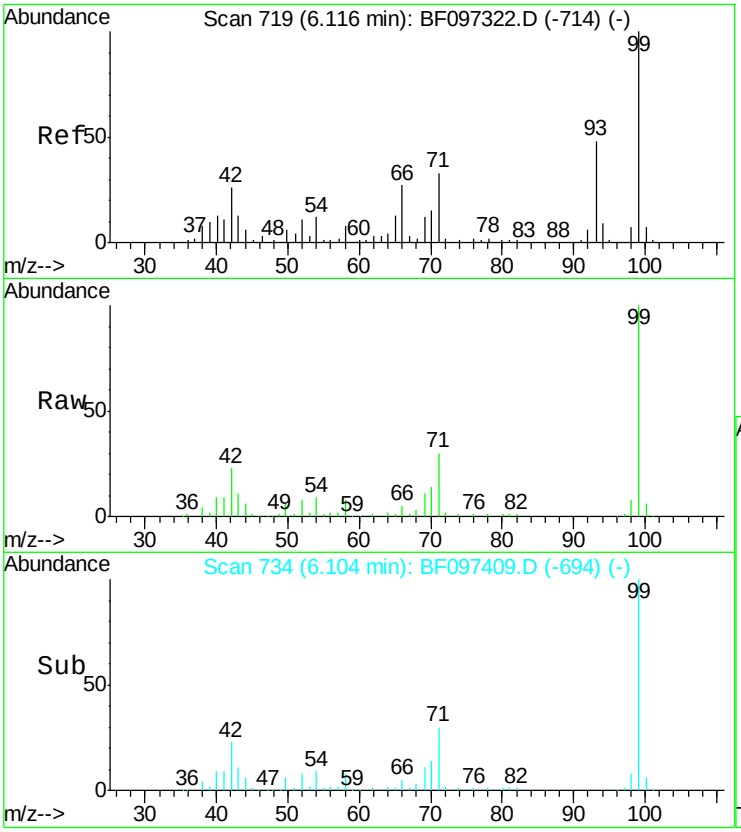


#5
2-Fluorophenol
Concen: 20.47 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:112 Resp: 119709

Ion	Ratio	Lower	Upper
112	100		
64	66.3	46.0	69.0
63	32.3	23.4	35.0



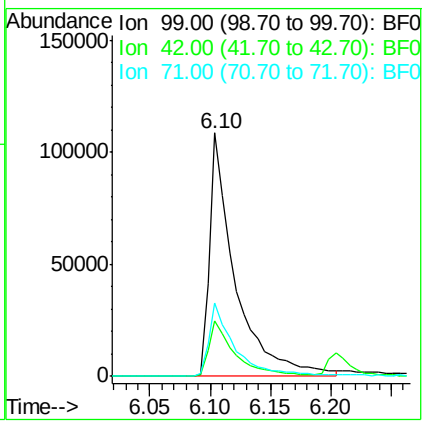


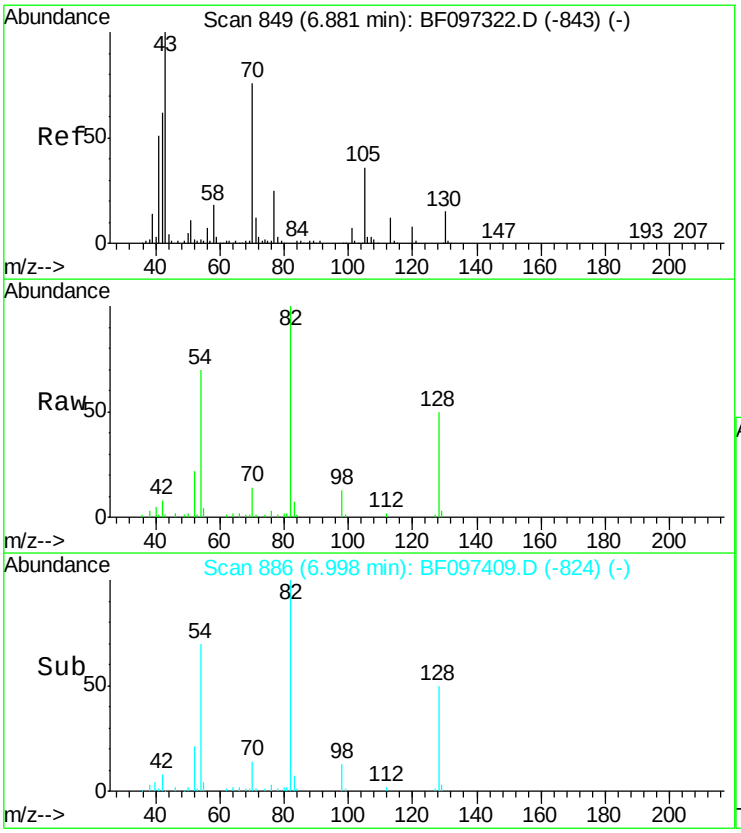
#7
Phenol-d6
Concen: 23.74 ng
RT: 6.10 min Scan# 734
Delta R.T. -0.06 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 158497

Ion	Ratio	Lower	Upper
99	100		
42	22.7	13.5	20.3#
71	30.0	24.5	36.7

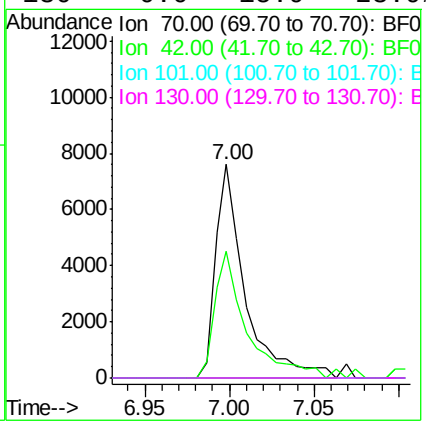


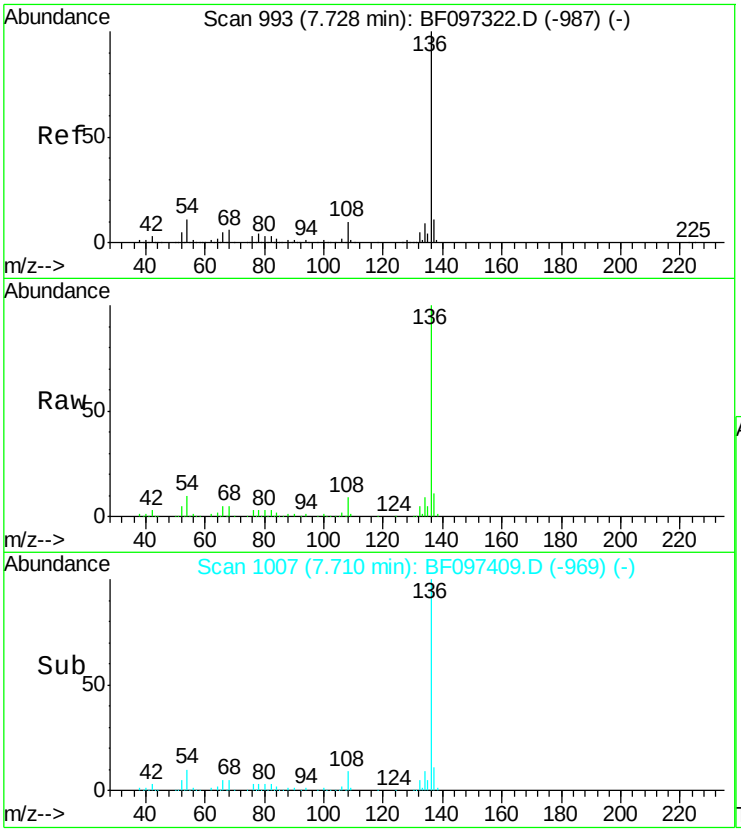


#19
n-Nitroso-di-n-propylamine
Concen: 2.10 ng
RT: 7.00 min Scan# 886
Delta R.T. 0.06 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion: 70 Resp: 9221

Ion	Ratio	Lower	Upper
70	100		
42	59.2	47.2	70.8
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#



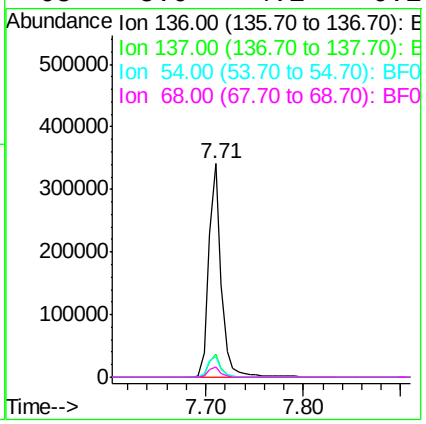


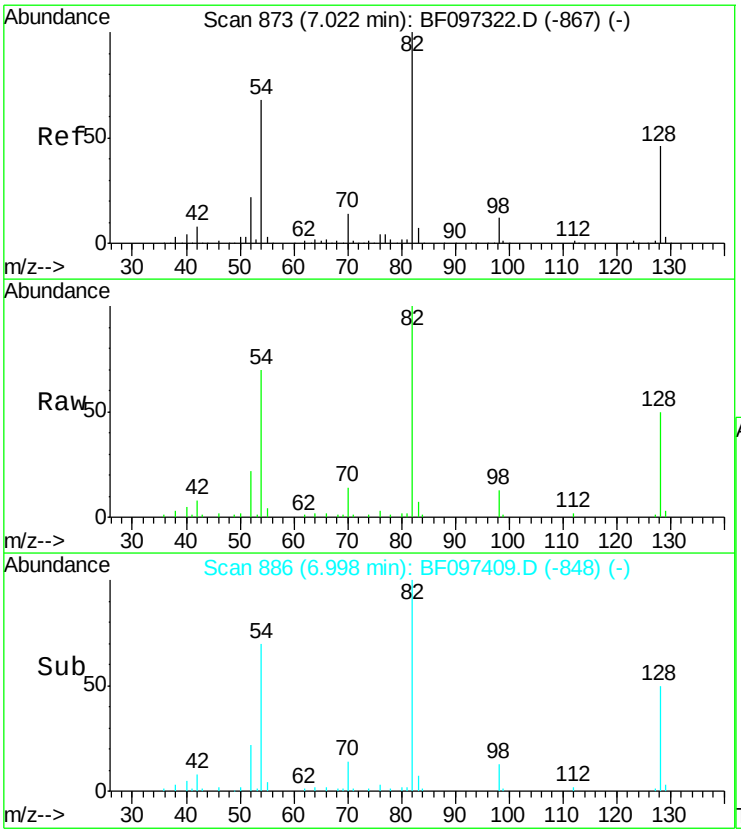
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 303074

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.8	4.9	7.3#
68	5.0	4.1	6.1

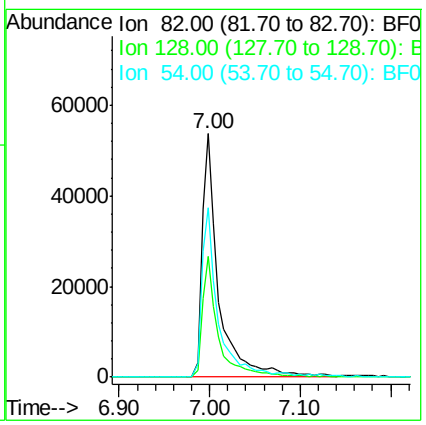


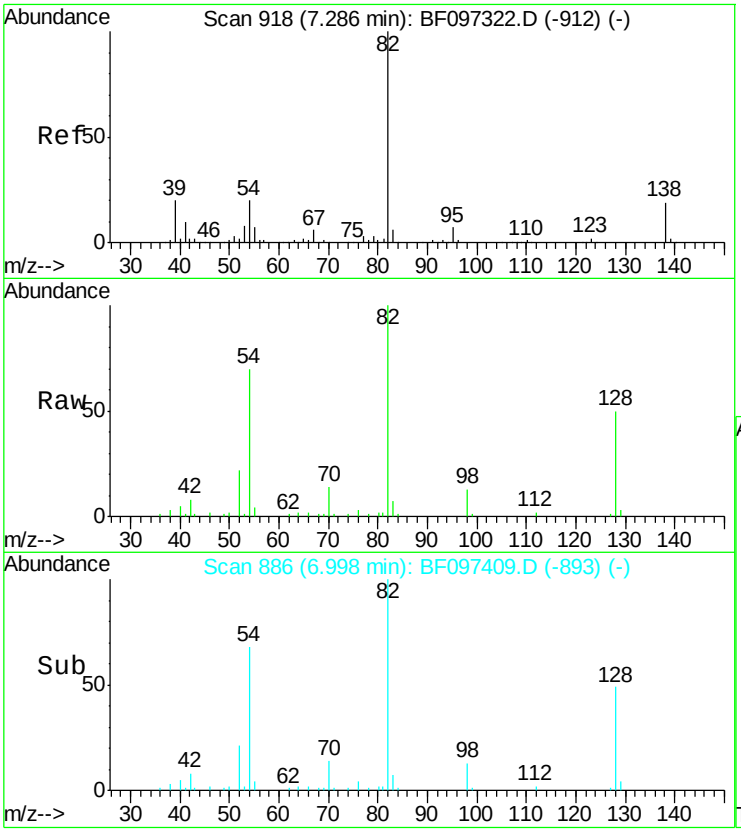


#23
Nitrobenzene-d5
Concen: 13.37 ng
RT: 7.00 min Scan# 886
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion: 82 Resp: 69083

Ion	Ratio	Lower	Upper
82	100		
128	49.6	34.0	51.0
54	69.5	42.2	63.2#



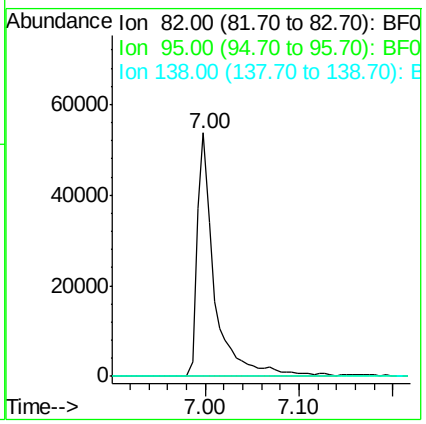


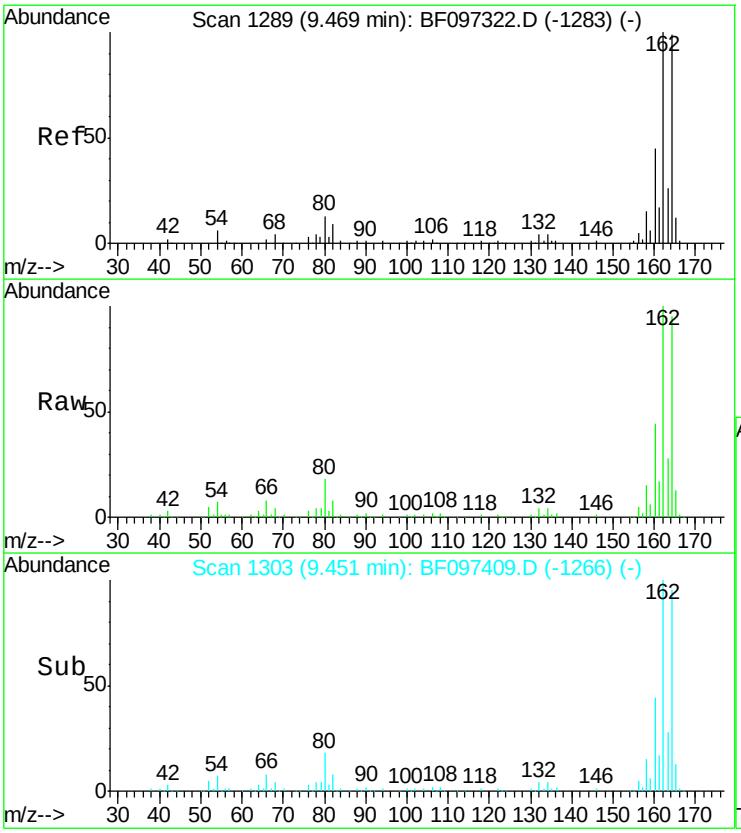
#25
Isophorone
Concen: 6.83 ng
RT: 7.00 min Scan# 886
Delta R.T. -0.34 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 69082

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

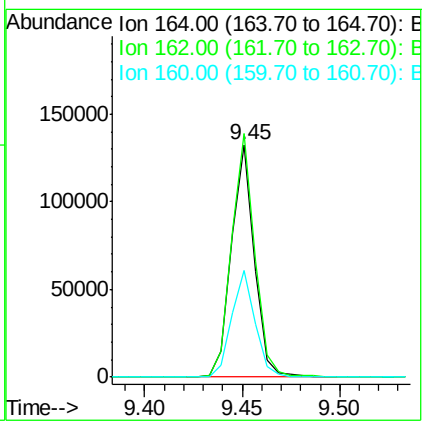


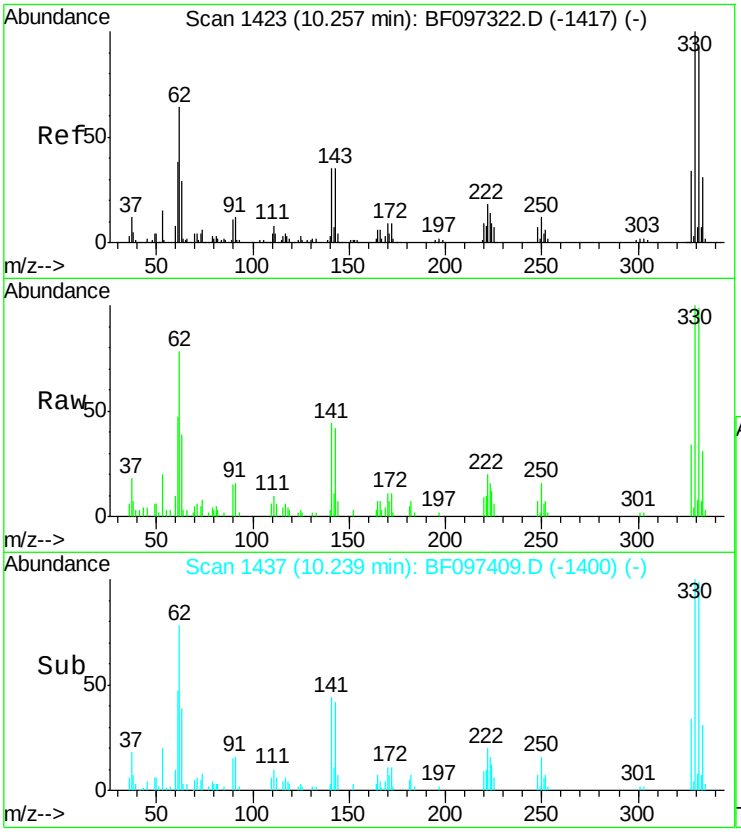


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.45 min Scan# 1303
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:164 Resp: 107933

Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	46.2	36.2	54.2



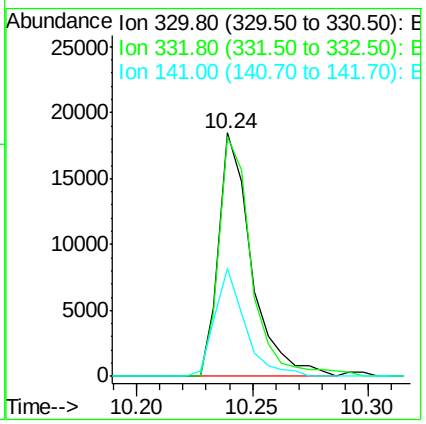


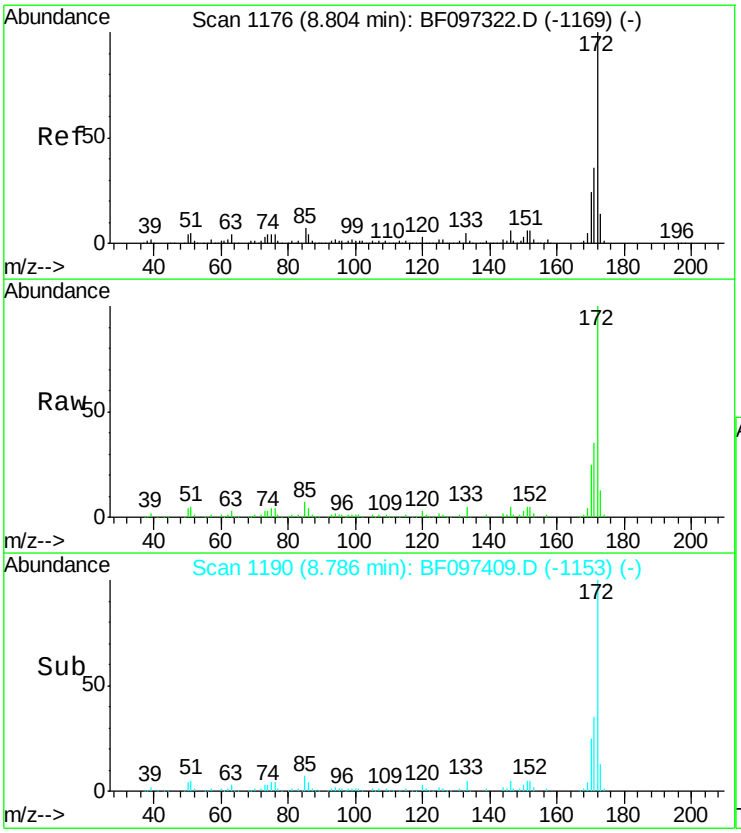
#41
2,4,6-Tribromophenol
Concen: 21.38 ng
RT: 10.24 min Scan# 1437
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 18232

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	40.7	31.4	47.2

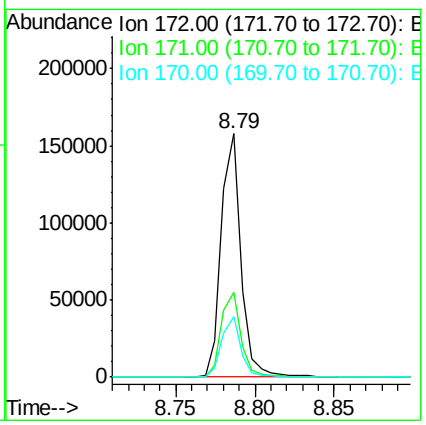


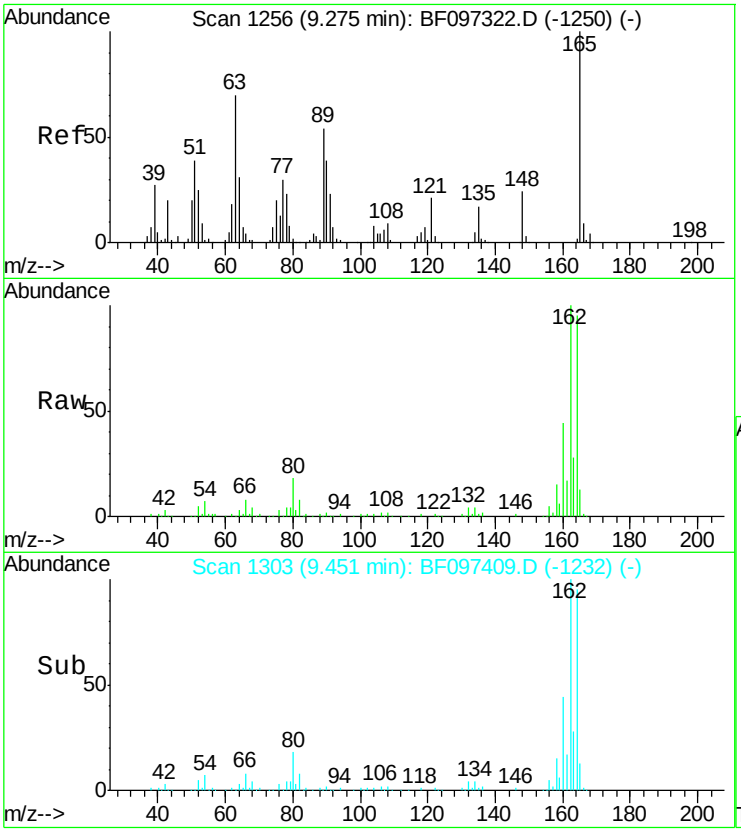


#44
2-Fluorobiphenyl
Concen: 21.42 ng
RT: 8.79 min Scan# 1190
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:172 Resp: 136233

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.7	19.8	29.8



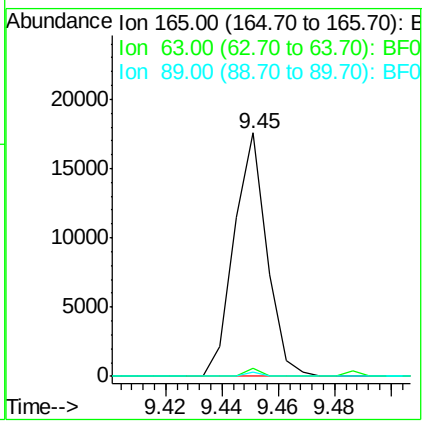


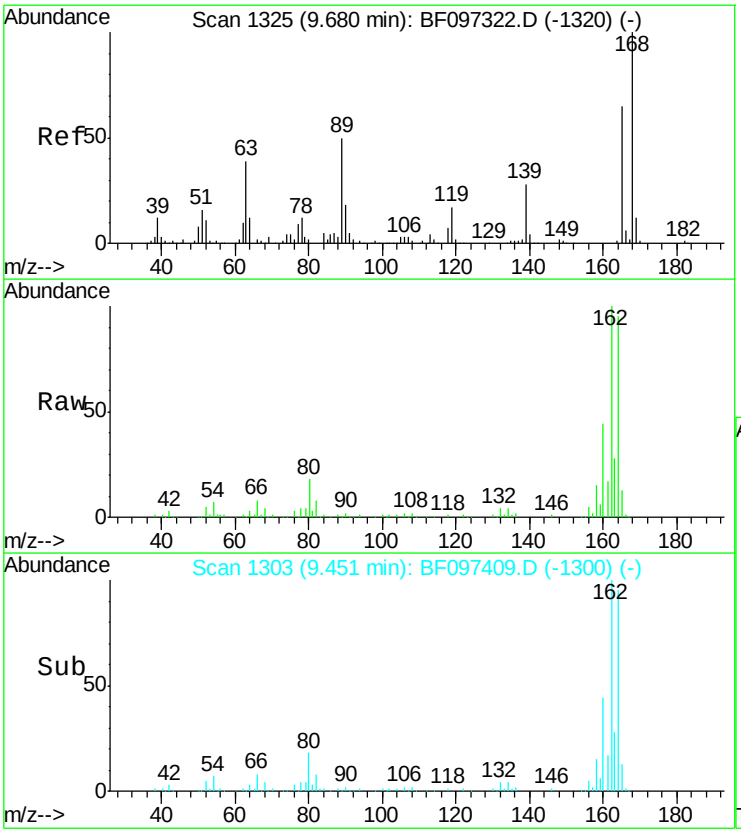
#50
2,6-Dinitrotoluene
Concen: 8.14 ng
RT: 9.45 min Scan# 1303
Delta R.T. 0.12 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 14142

Ion	Ratio	Lower	Upper
165	100		
63	3.2	34.3	51.5#
89	1.9	37.1	55.7#

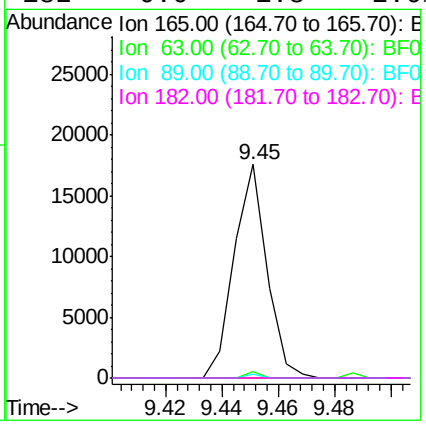


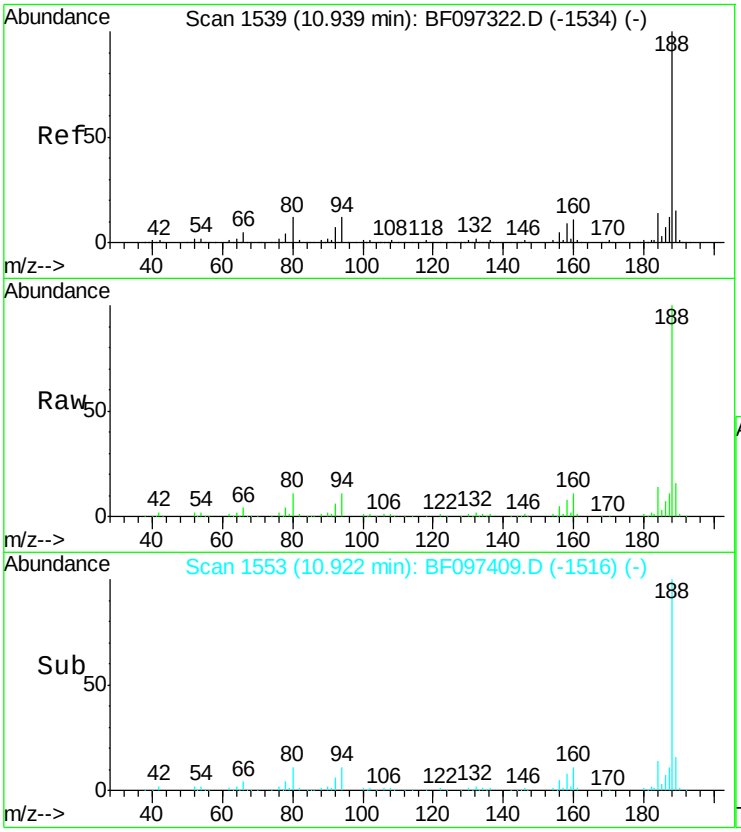


#56
2,4-Dinitrotoluene
Concen: 7.08 ng
RT: 9.45 min Scan# 1303
Delta R.T. -0.28 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:165 Resp: 14142

Ion	Ratio	Lower	Upper
165	100		
63	3.2	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



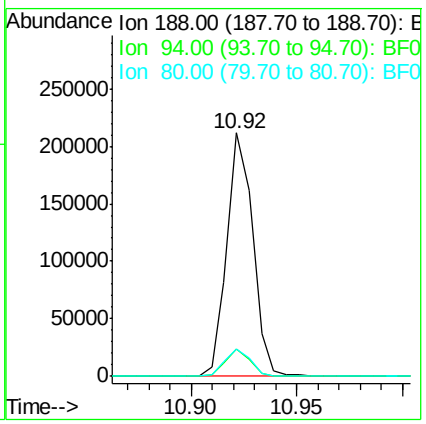


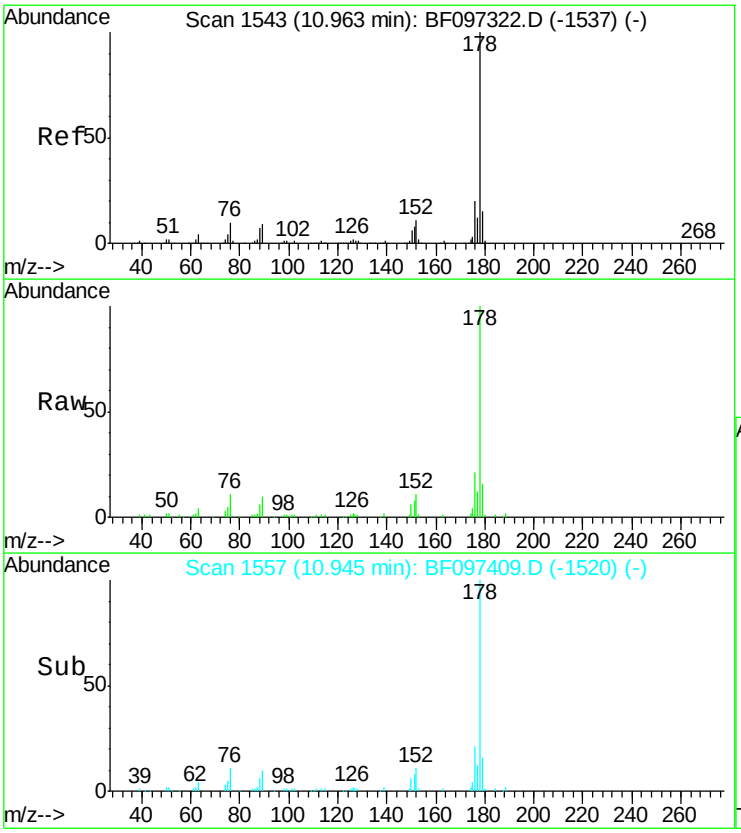
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 179826

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	11.5	10.2	15.2

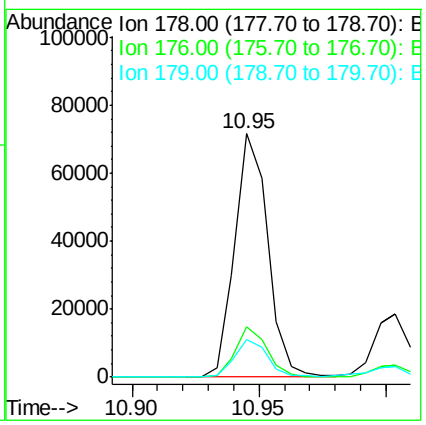


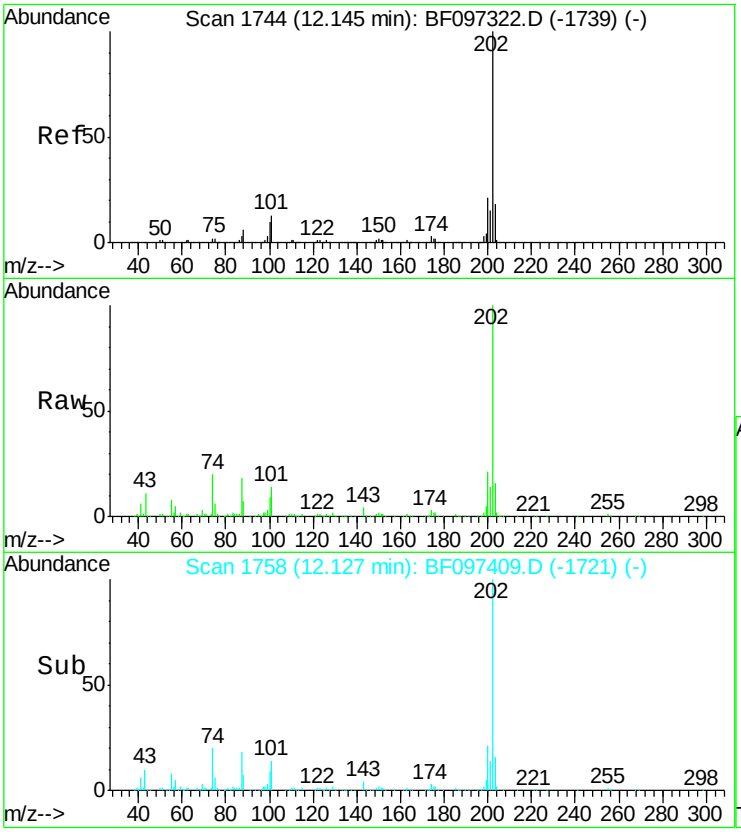


#70
Phenanthrene
Concen: 6.76 ng
RT: 10.95 min Scan# 1557
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:178 Resp: 65140

Ion	Ratio	Lower	Upper
178	100		
176	20.9	16.2	24.4
179	15.7	12.6	19.0



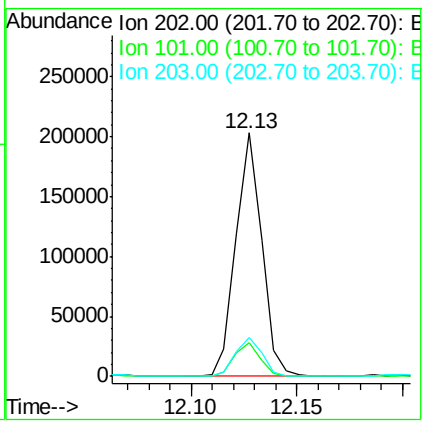


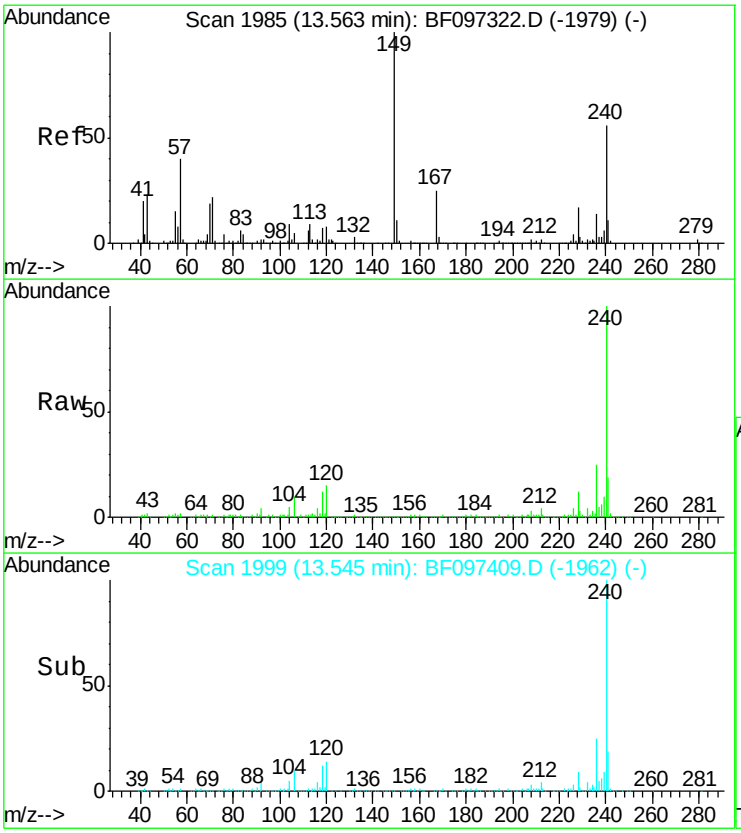
#74
Fluoranthene
Concen: 18.31 ng
RT: 12.13 min Scan# 1758
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 172795

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	15.9	0.0	38.1

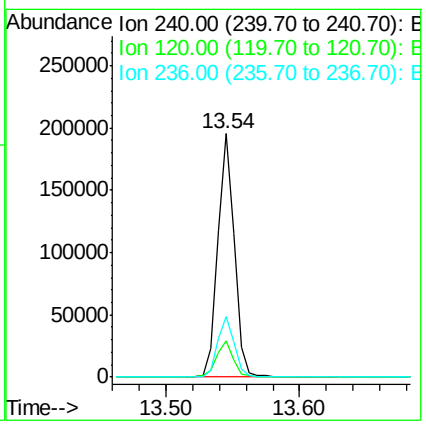


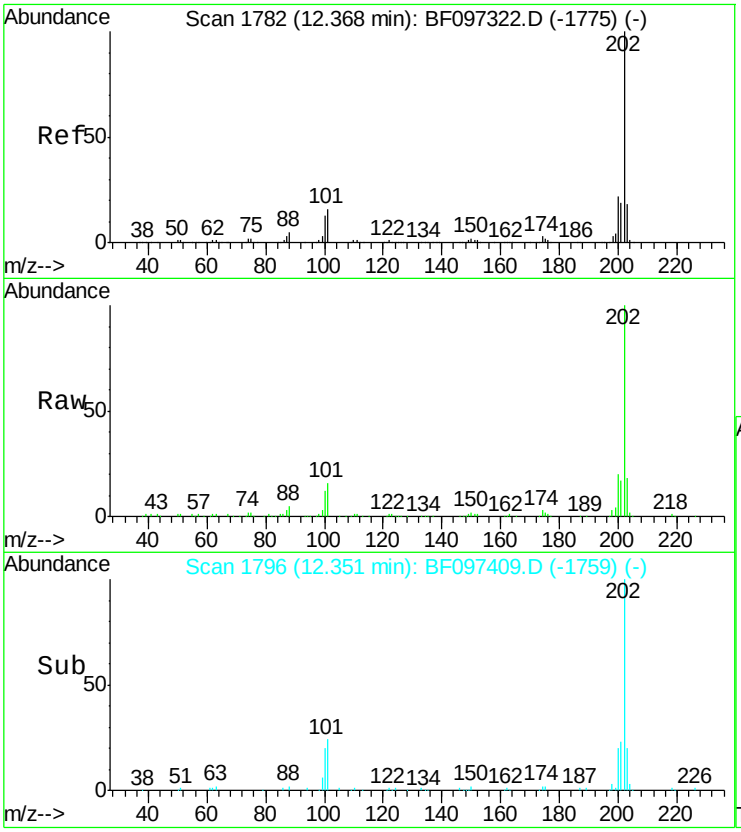


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.54 min Scan# 1999
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:240 Resp: 171758

Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.0	20.5	30.7



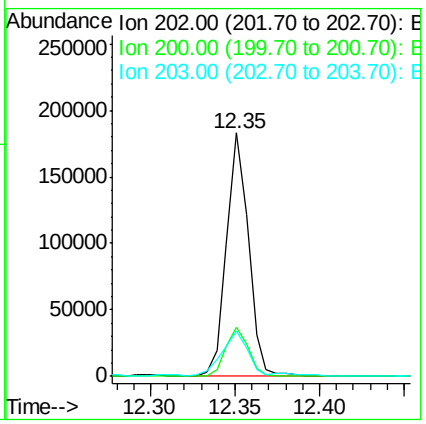


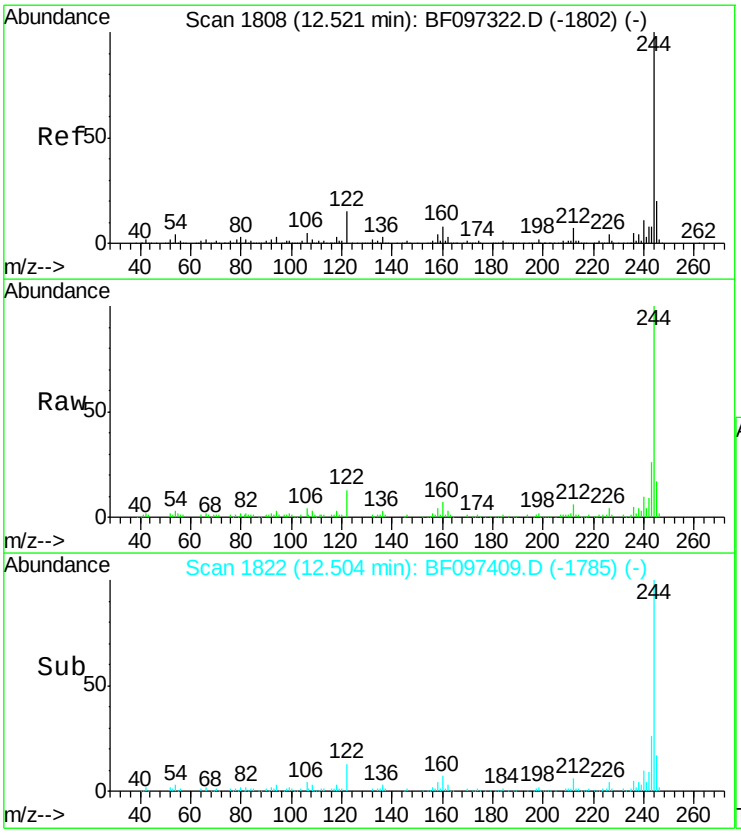
#77
Pyrene
Concen: 11.72 ng
RT: 12.35 min Scan# 1796
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 164830

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.6	26.4
203	18.4	14.4	21.6

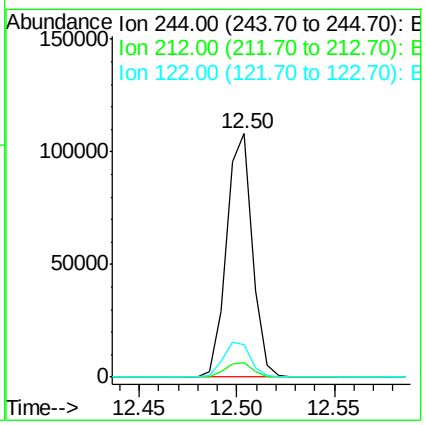


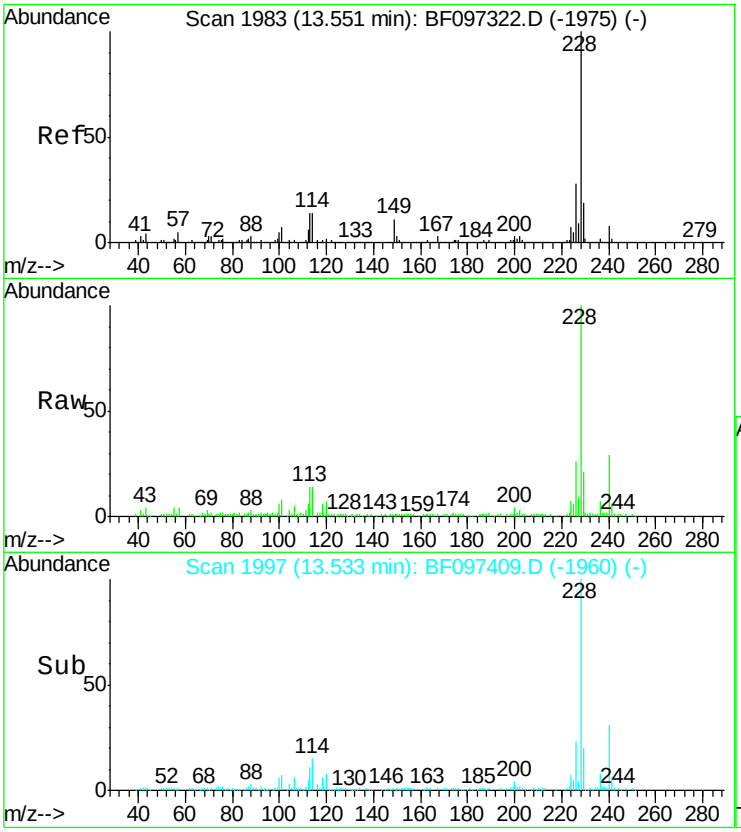


#78
Terphenyl-d14
Concen: 11.75 ng
RT: 12.50 min Scan# 1822
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:244 Resp: 98952

Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.0	9.0
122	13.1	10.3	15.5



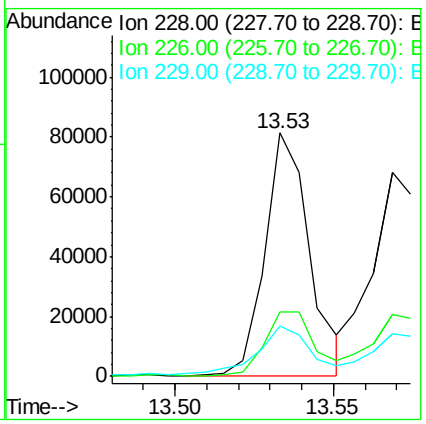


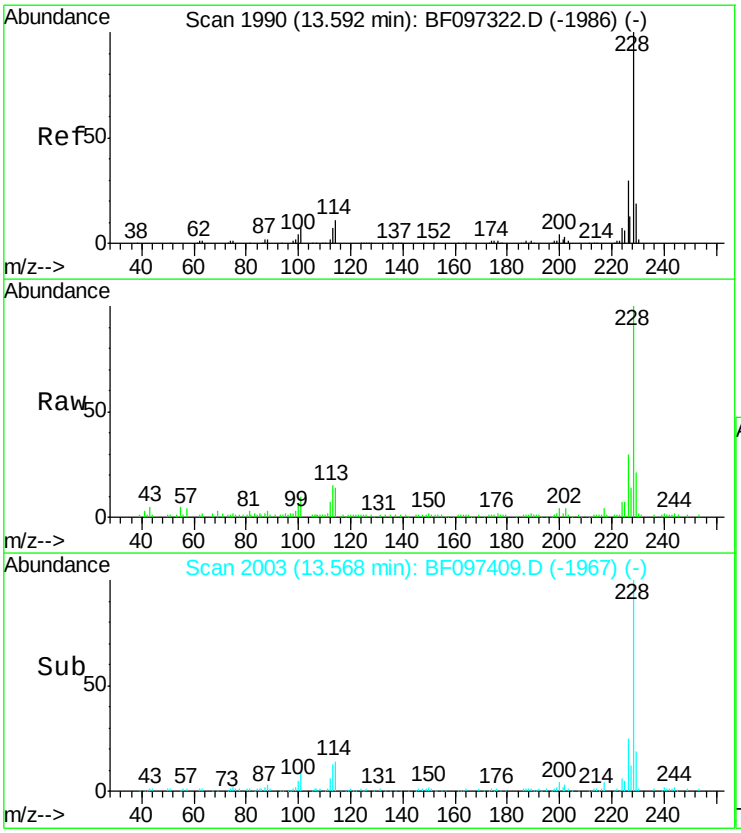
#80
Benzo(a)anthracene
Concen: 7.19 ng
RT: 13.53 min Scan# 1997
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 79851

Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.6	33.8
229	20.7	16.3	24.5

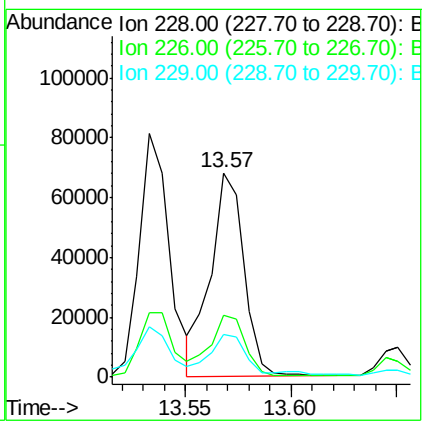


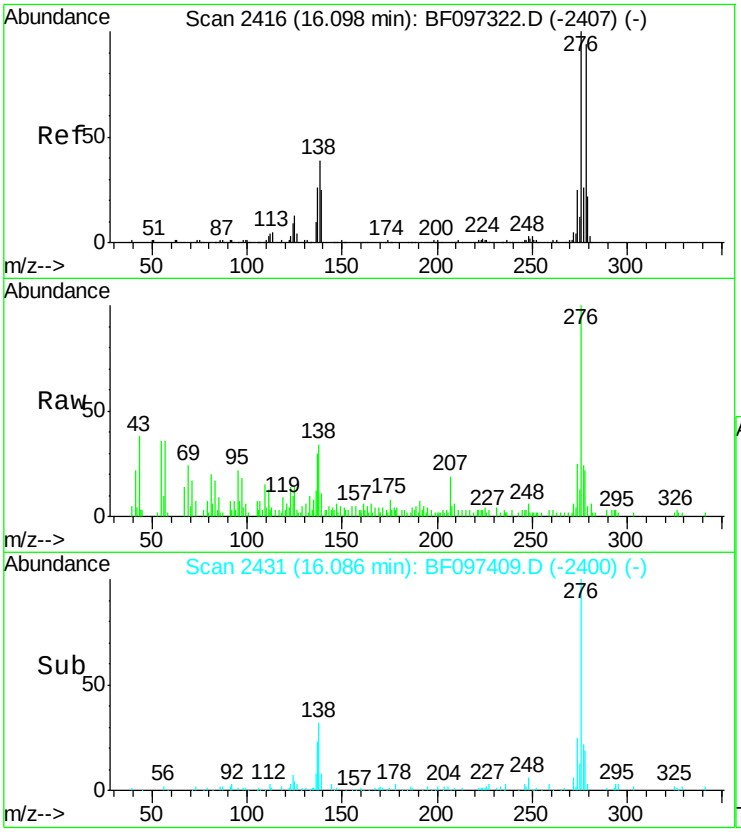


#82
Chrysene
Concen: 6.87 ng
RT: 13.57 min Scan# 2003
Delta R.T. -0.09 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:228 Resp: 74600

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.2	15.8	23.6



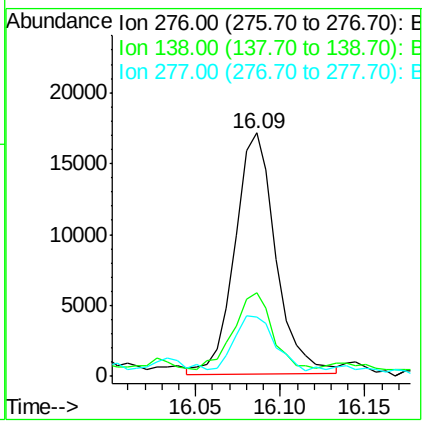


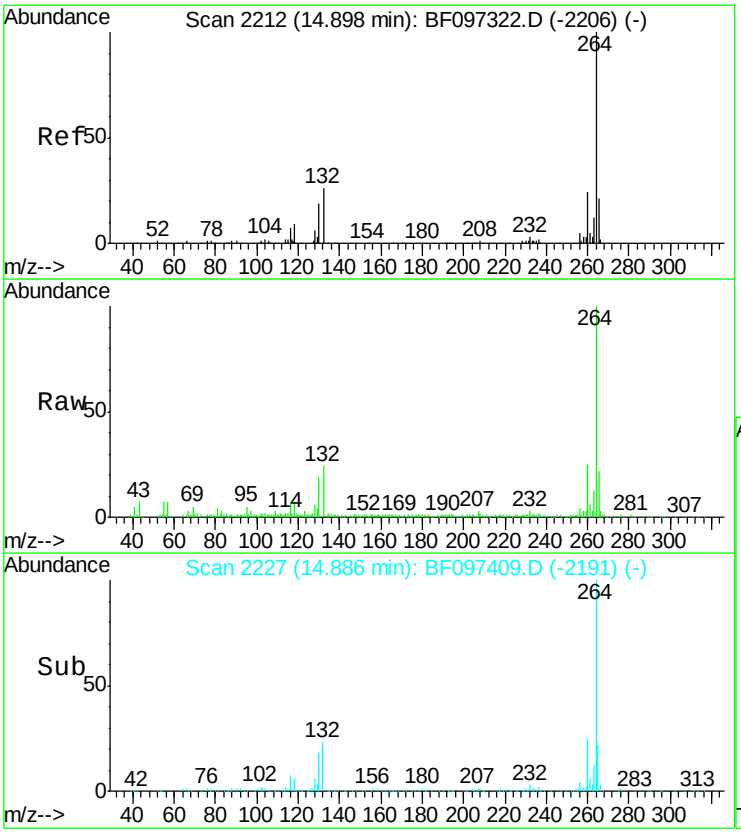
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.08 ng
RT: 16.09 min Scan# 2431
Delta R.T. -0.12 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 28642

Ion	Ratio	Lower	Upper
276	100		
138	31.2	27.8	41.6
277	23.0	20.2	30.4

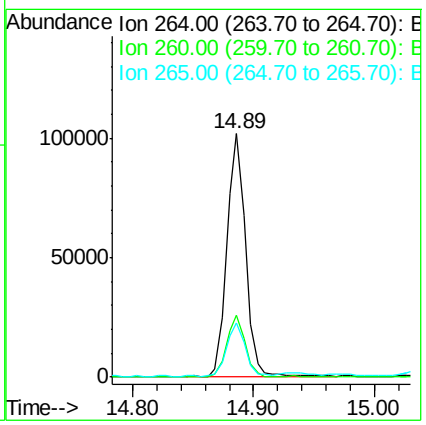


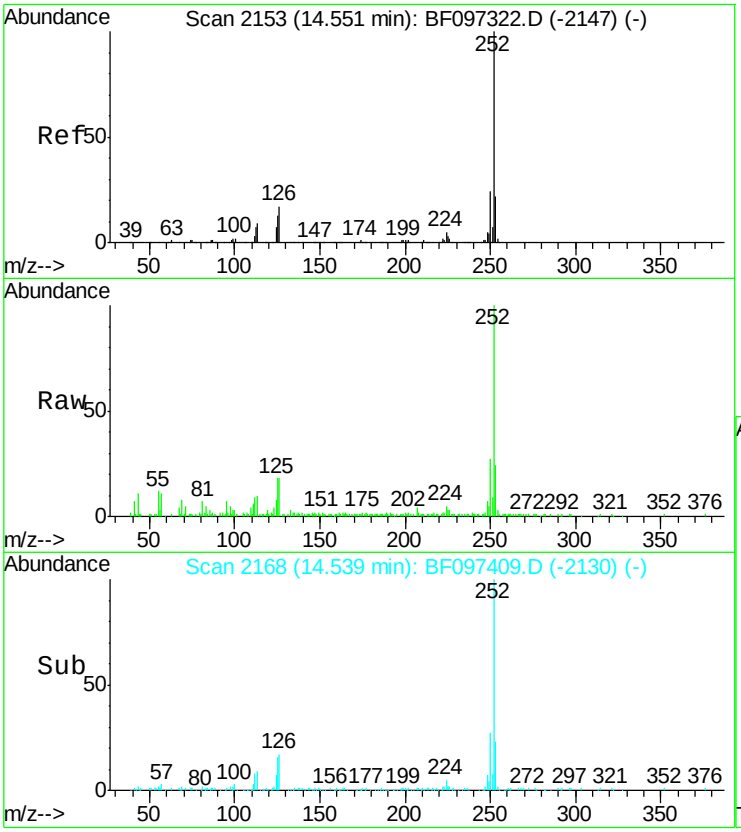


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:264 Resp: 110176

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	22.2	17.2	25.8



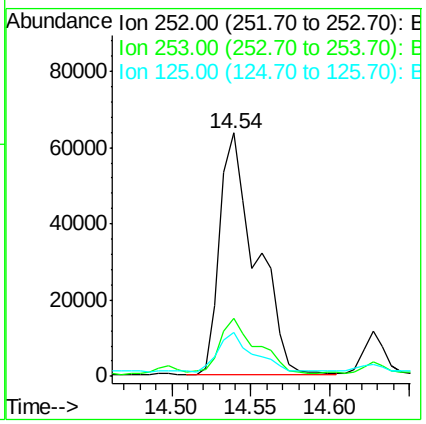


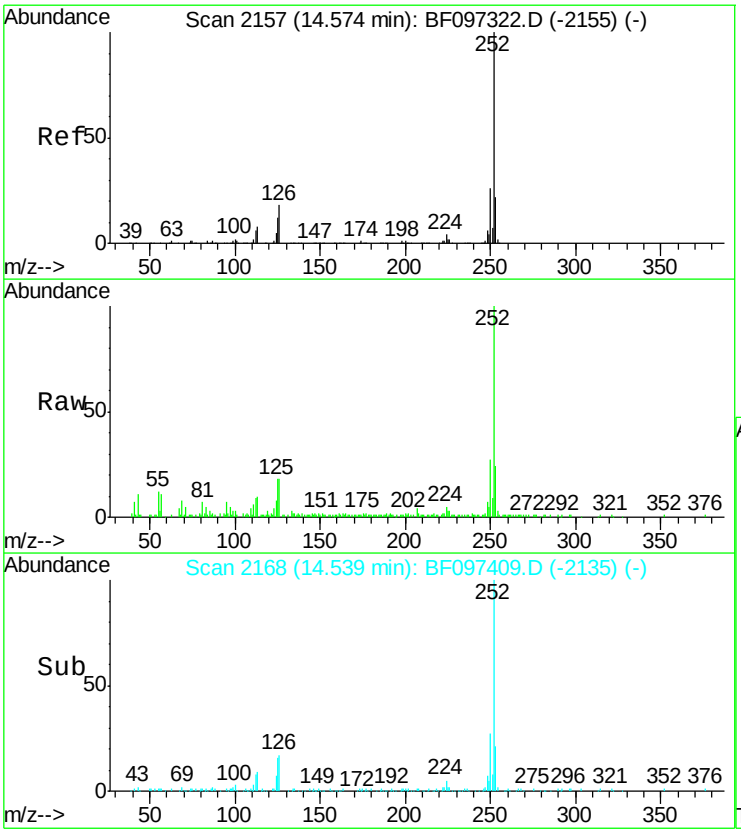
#87
Benzo(b)fluoranthene
Concen: 15.17 ng
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 100494

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	18.3	9.8	14.8#

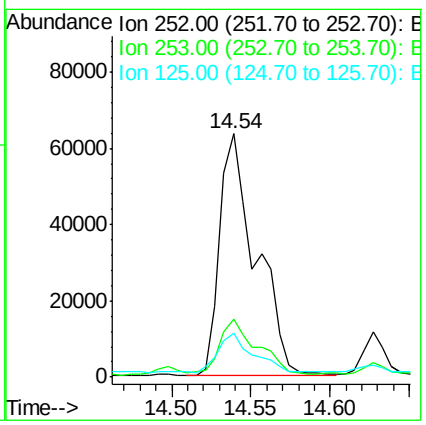


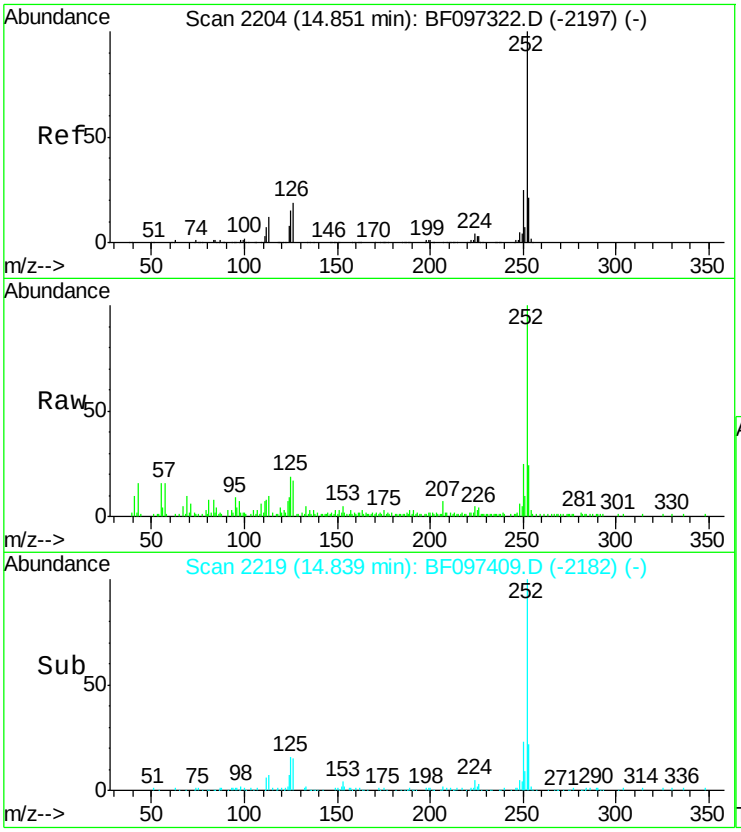


#88
Benzo(k)fluoranthene
Concen: 15.92 ng
RT: 14.54 min Scan# 2168
Delta R.T. -0.11 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:252 Resp: 100494

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	18.3	13.1	19.7



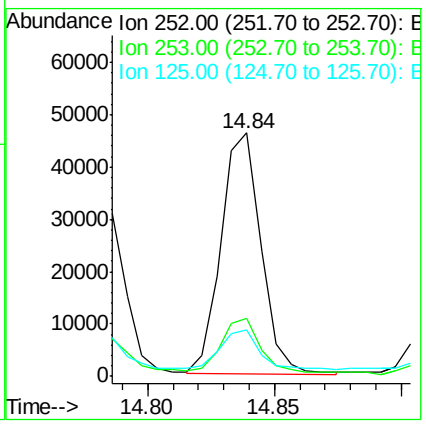


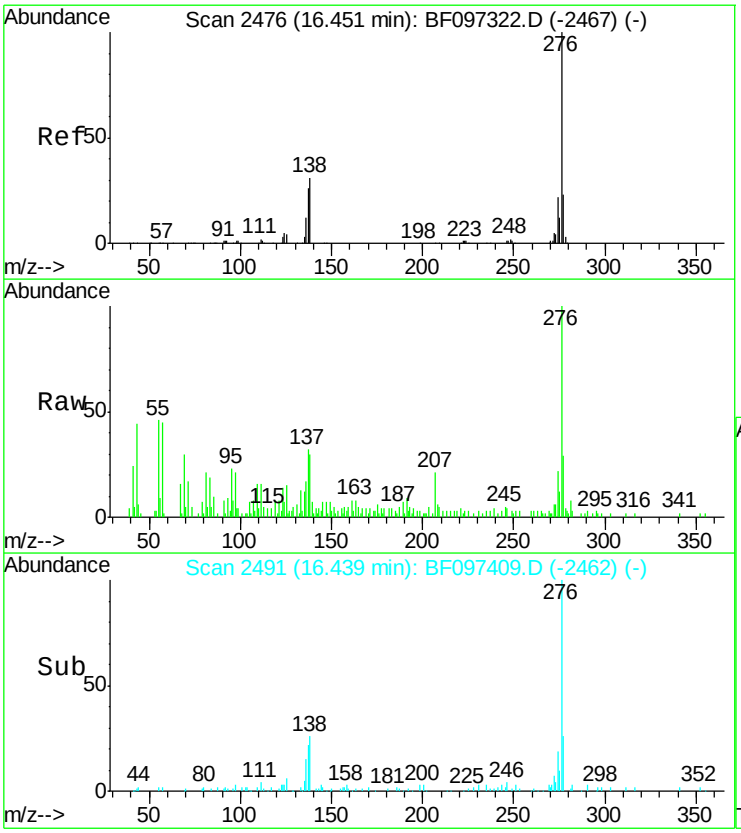
#89
Benzo(a)pyrene
Concen: 8.35 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 50603

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	18.9	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 5.78 ng
RT: 16.44 min Scan# 2491
Delta R.T. -0.13 min
Lab File: BF097409.D
Acq: 5 Aug 2017 20:47

Tgt Ion:276 Resp: 30118

Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.6	28.0#
138	30.2	25.4	38.0