Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
Sample : I3037-11 40X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 12 05:03:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	84278	20.00	ng		-0.02
21) Naphthalene-d8	9.72	136	340635	20.00	ng		-0.03
38) Acenaphthene-d10	12.55	164	162324	20.00	ng		-0.04
63) Phenanthrene-d10	14.95	188	262567	20.00	ng		-0.03
75) Chrysene-d12	18.62	240	224469	20.00	ng		-0.03
86) Perylene-d12	20.29	264	178930	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.85	112	1571	0.31	ng		0.18
7) Phenol-d6	7.44	99	3150	0.52	ng		0.16
23) Nitrobenzene-d5	8.64	82	1804	0.33	ng		0.00
41) 2,4,6-Tribromophenol	13.89	330	1370	1.03	ng		0.00
44) 2-Fluorobiphenyl	11.50	172	24238	2.15	ng		-0.03
78) Terphenyl-d14	17.28	244	20669	2.03	ng		-0.03
Target Compounds							Qvalue
32) Benzoic acid	9.60	122	159	5.13	ng	#	25
35) Caprolactam	10.52	113	7085	5.06	ng	#	85
37) 2-Methylnaphthalene	11.04	142	29348	2.61	ng		97
55) 4-Nitrophenol	12.91	139	8166	4.66	ng	#	76
70) Phenanthrene	14.99	178	114059	7.56	ng		98
71) Anthracene	14.99	178	114073	7.40	ng		99
74) Fluoranthene	16.74	202	66862	4.32	ng		99
76) Benzidine	16.98	184	111	6.60	ng	#	62
77) Pyrene	17.04	202	111525	6.64	ng		97
80) Benzo(a)anthracene	18.61	228	29305	2.24	ng		95
82) Chrysene	18.61	228	29305	2.32	ng		98
87) Benzo(b)fluoranthene	19.91	252	35020	3.17	ng	#	94
88) Benzo(k)fluoranthene	19.91	252	35020	3.28	ng		98
89) Benzo(a)pyrene	20.25	252	36333	3.56	ng		98
91) Benzo(g,h,i)perylene	21.99	276	27436	3.32	ng		96

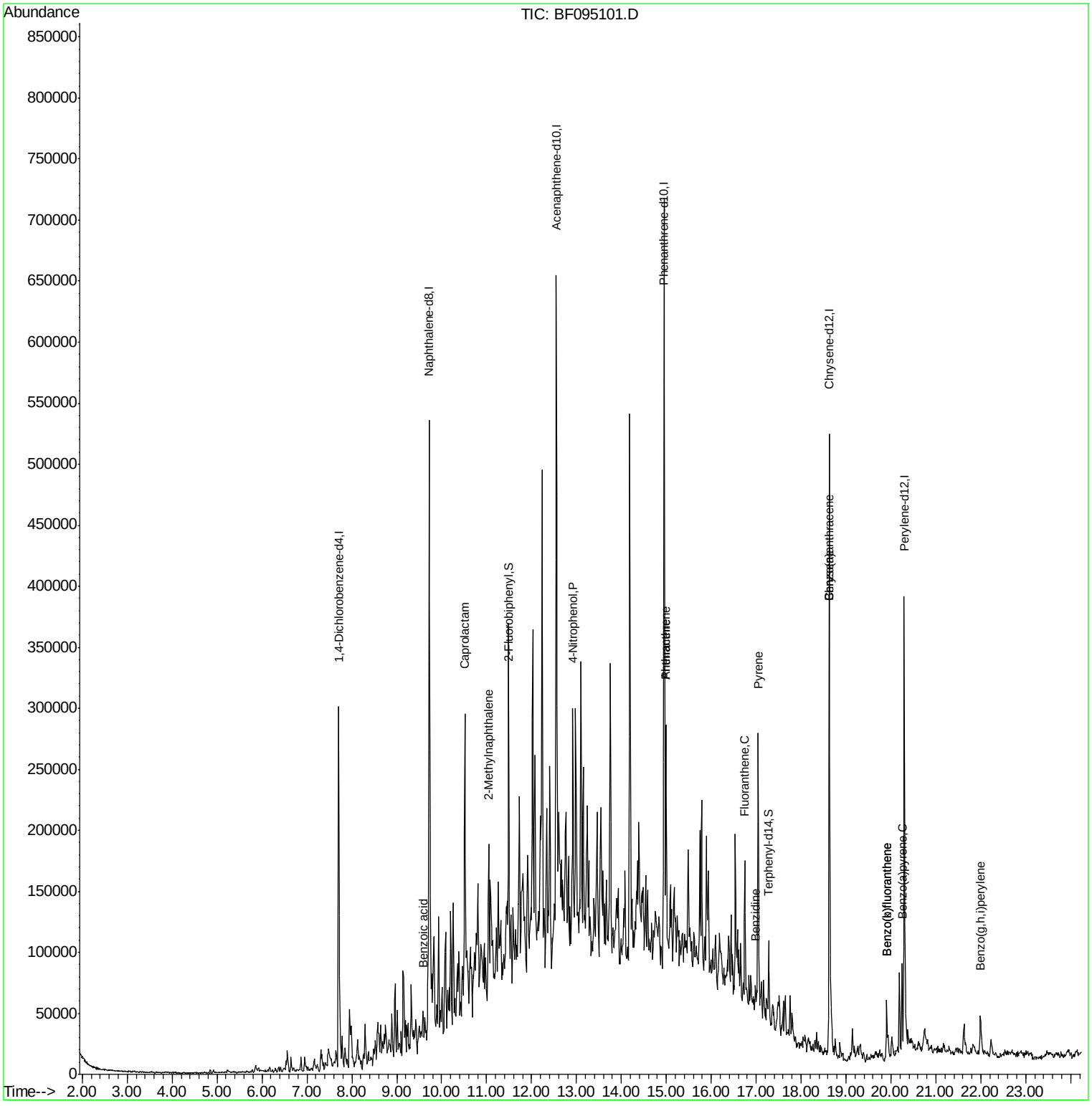
(#) = qualifier out of range (m) = manual integration (+) = signals summed

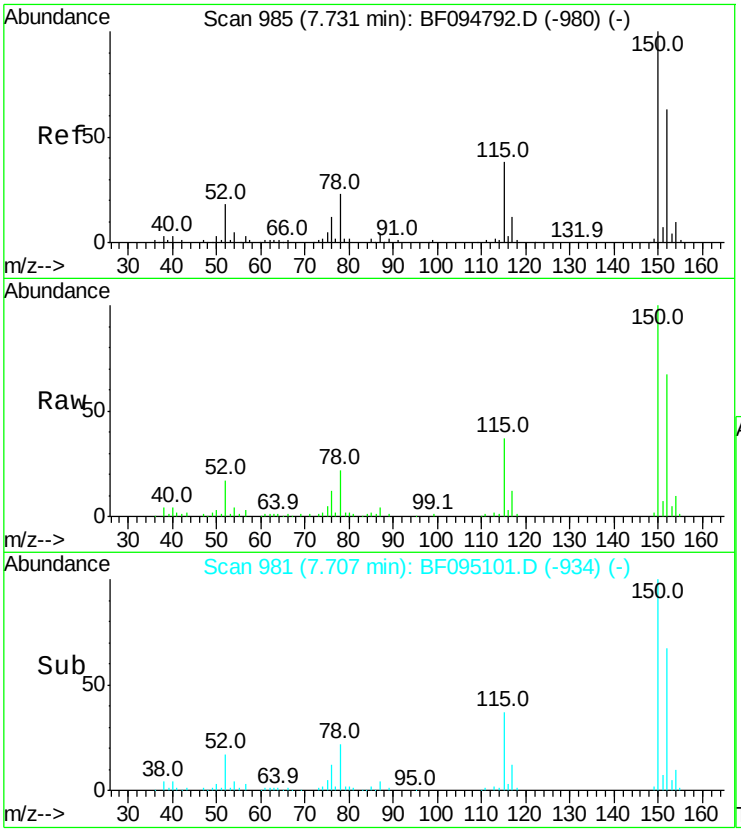
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
Operator : SJ/MA
Sample : I3037-11 40X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 12 05:03:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration



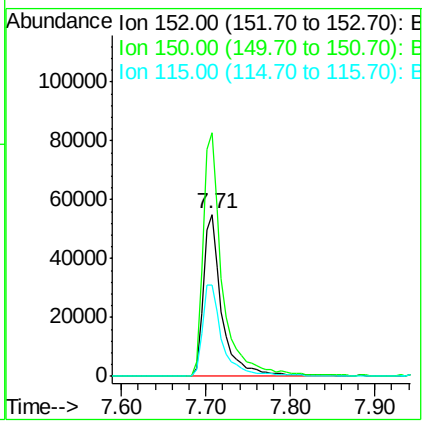


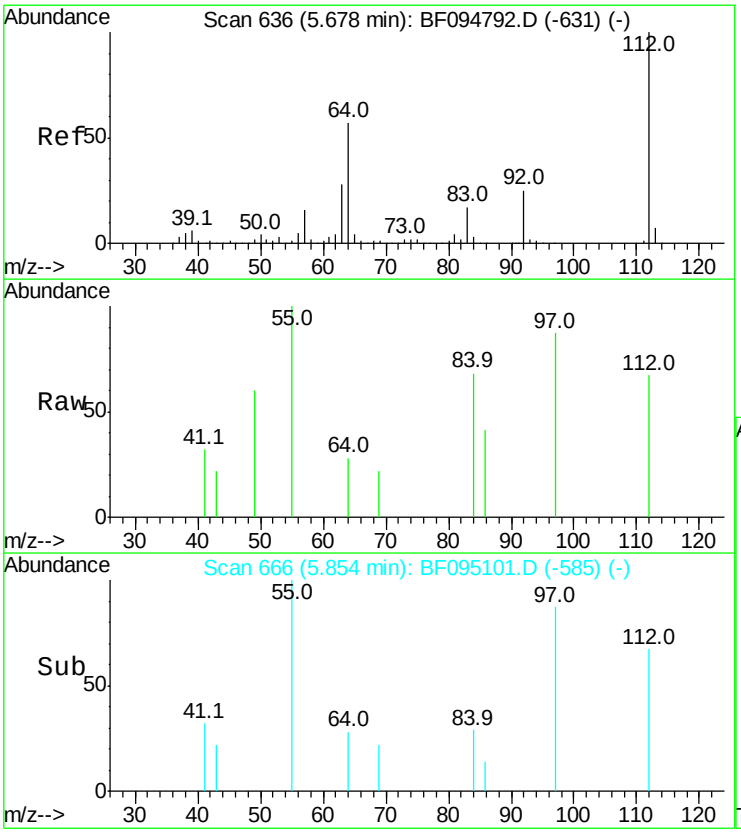
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 84278

Ion	Ratio	Lower	Upper
152	100		
150	150.2	126.2	189.2
115	56.1	52.2	78.2

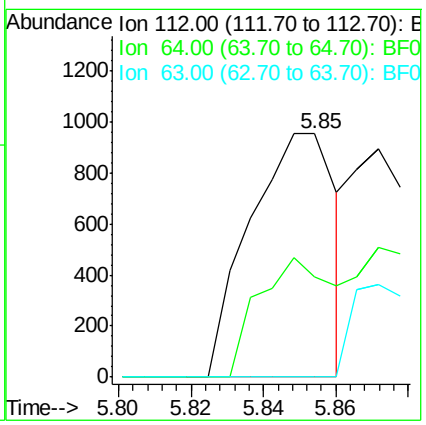


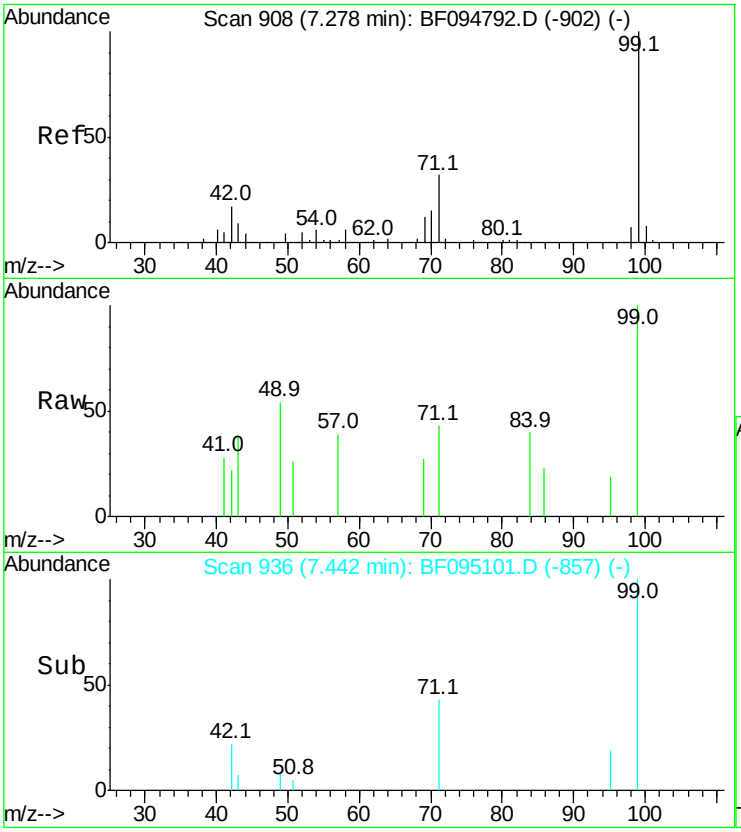


#5
2-Fluorophenol
Concen: 0.31 ng
RT: 5.85 min Scan# 666
Delta R.T. 0.18 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:112 Resp: 1571

Ion	Ratio	Lower	Upper
112	100		
64	41.0	46.0	69.0#
63	0.0	23.4	35.0#



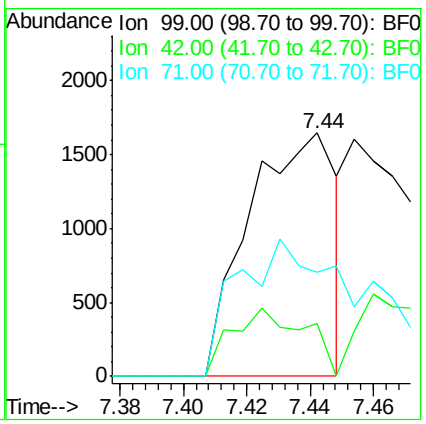


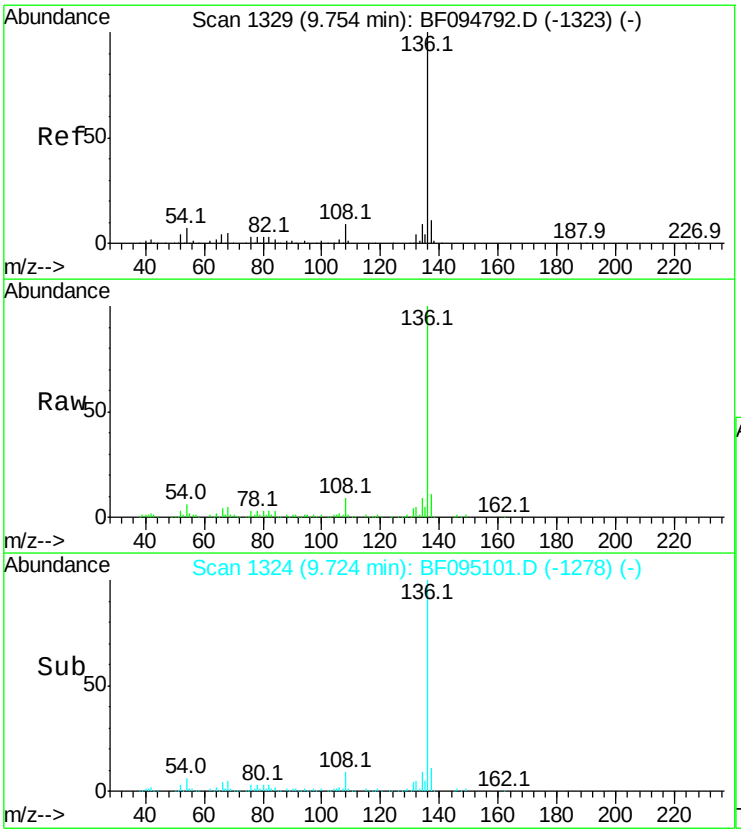
#7
Phenol-d6
Concen: 0.52 ng
RT: 7.44 min Scan# 936
Delta R.T. 0.16 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 3150

Ion	Ratio	Lower	Upper
99	100		
42	22.0	13.5	20.3#
71	42.8	24.5	36.7#

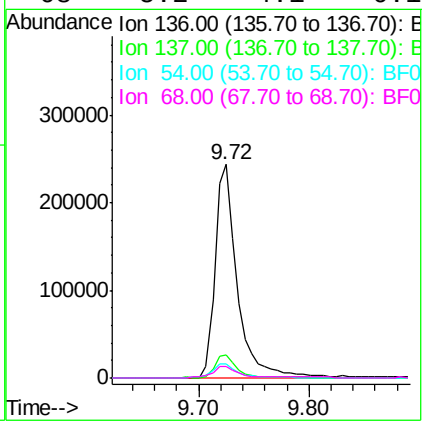


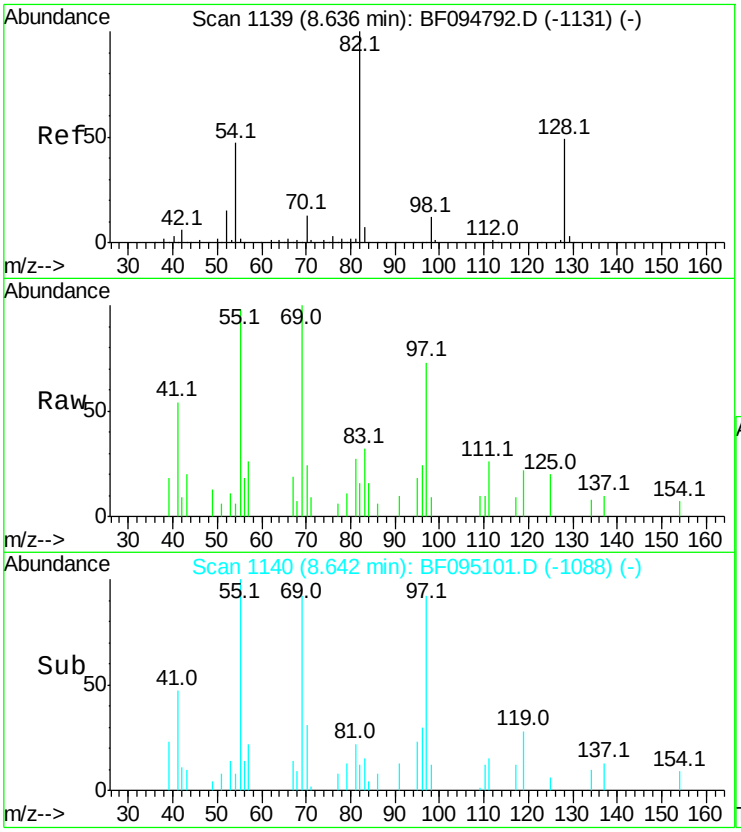


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.72 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:136 Resp: 340635

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	6.5	4.9	7.3
68	5.2	4.1	6.1



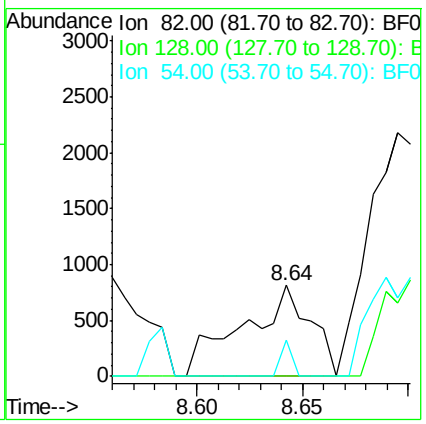


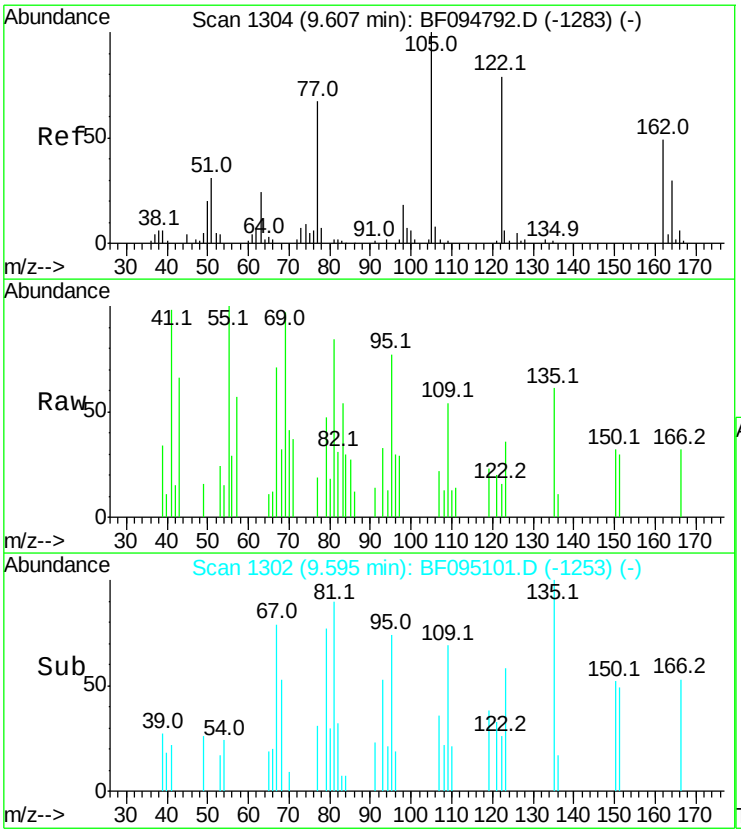
#23
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.64 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 1804

Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	39.5	42.2	63.2#

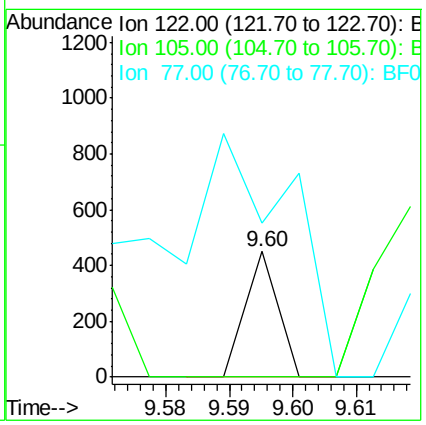


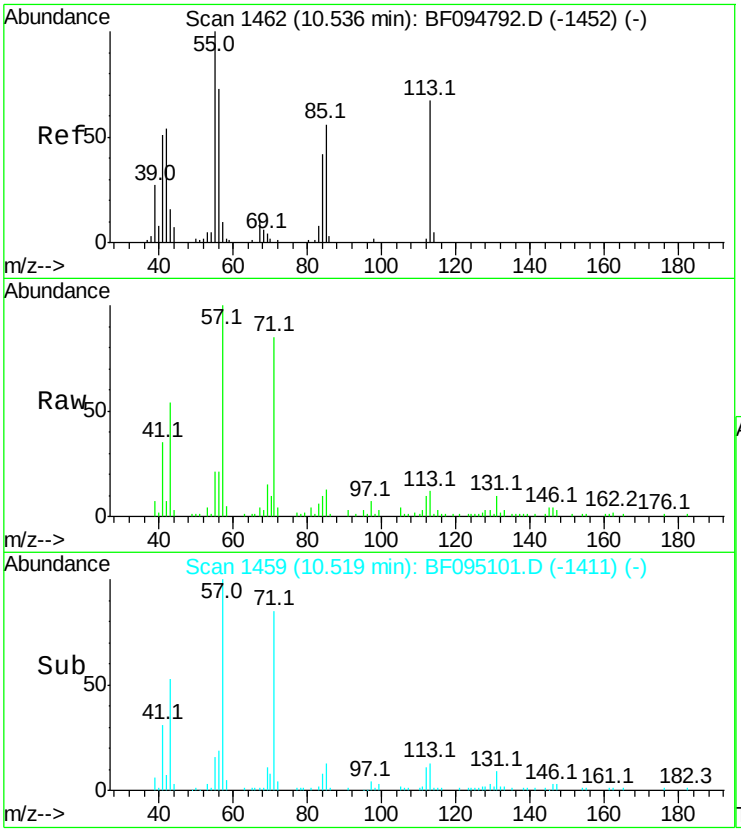


#32
Benzoic acid
Concen: 5.13 ng
RT: 9.60 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:122 Resp: 159

Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	122.6	73.7	113.7#



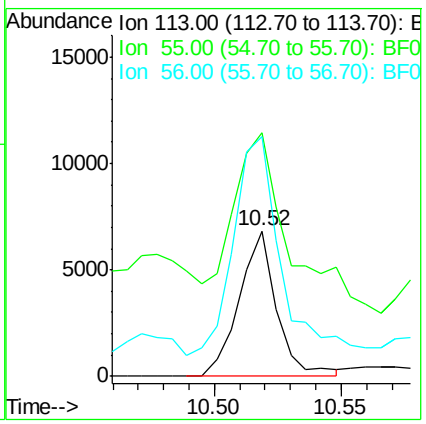


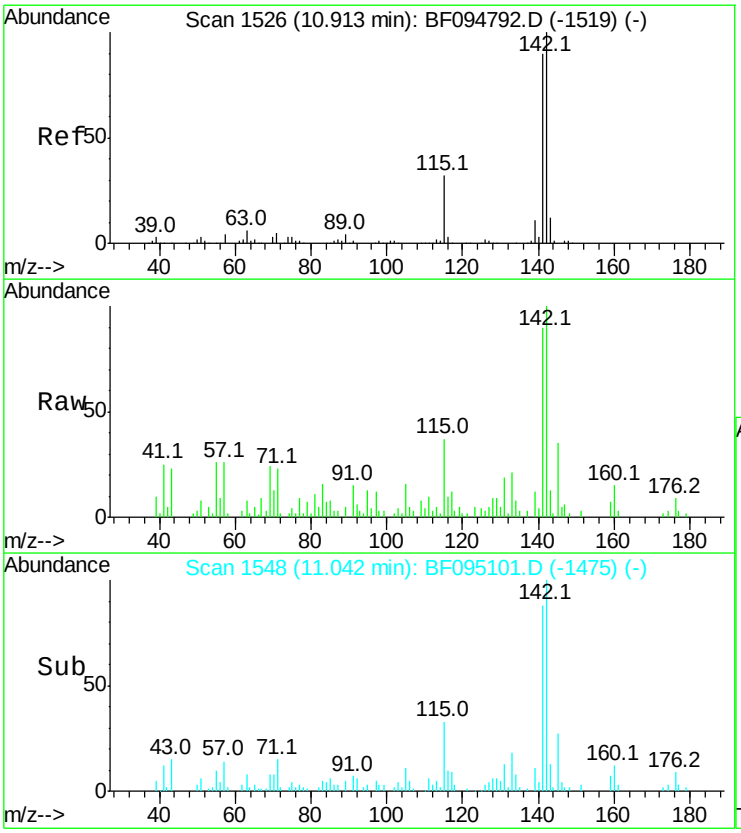
#35
Caprolactam
Concen: 5.06 ng
RT: 10.52 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 7085

Ion	Ratio	Lower	Upper
113	100		
55	167.2	150.2	190.2
56	164.5	107.8	147.8#

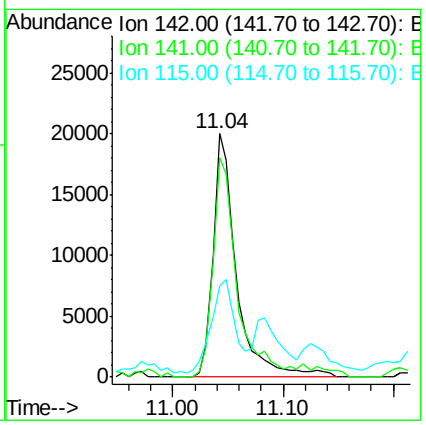


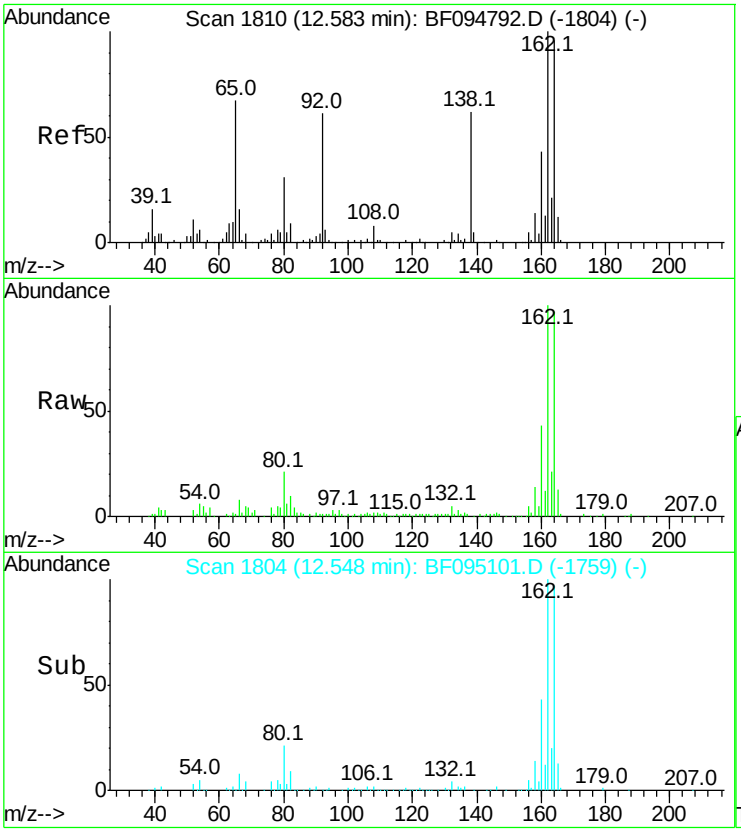


#37
2-Methylnaphthalene
Concen: 2.61 ng
RT: 11.04 min Scan# 1548
Delta R.T. 0.13 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:142 Resp: 29348

Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.3	106.9
115	37.4	27.1	40.7



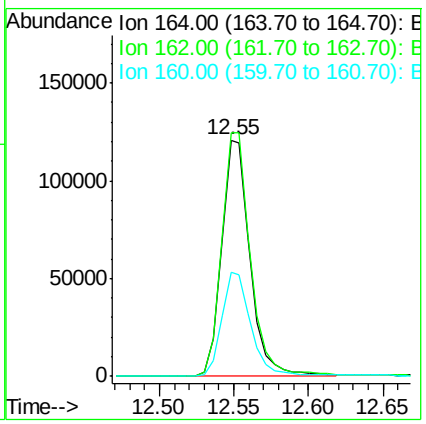


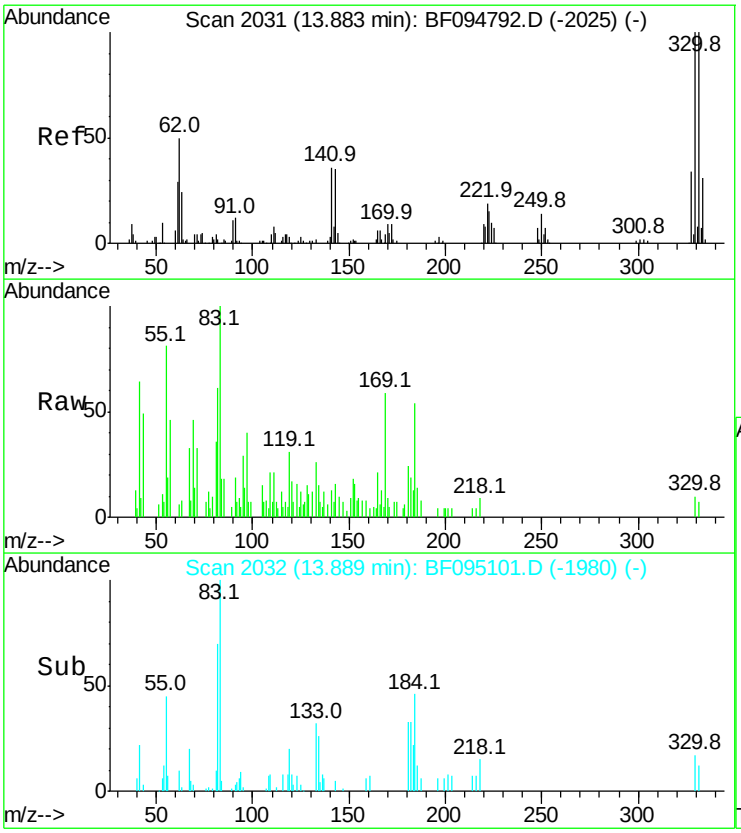
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1804
Delta R.T. -0.04 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 162324

Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	44.0	36.2	54.2

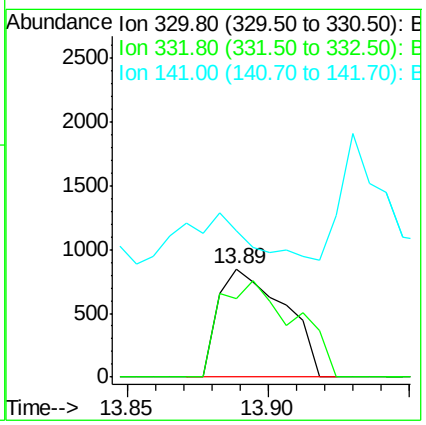


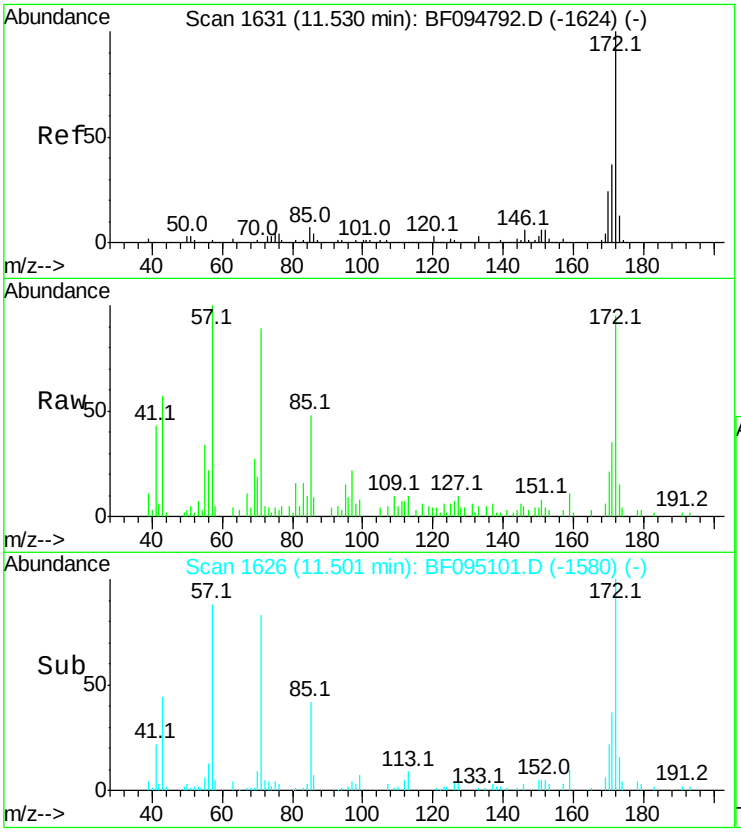


#41
2,4,6-Tribromophenol
Concen: 1.03 ng
RT: 13.89 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:330 Resp: 1370

Ion	Ratio	Lower	Upper
330	100		
332	100.1	76.6	115.0
141	94.2	31.4	47.2#



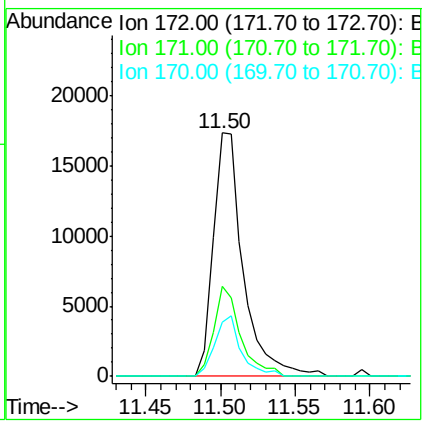


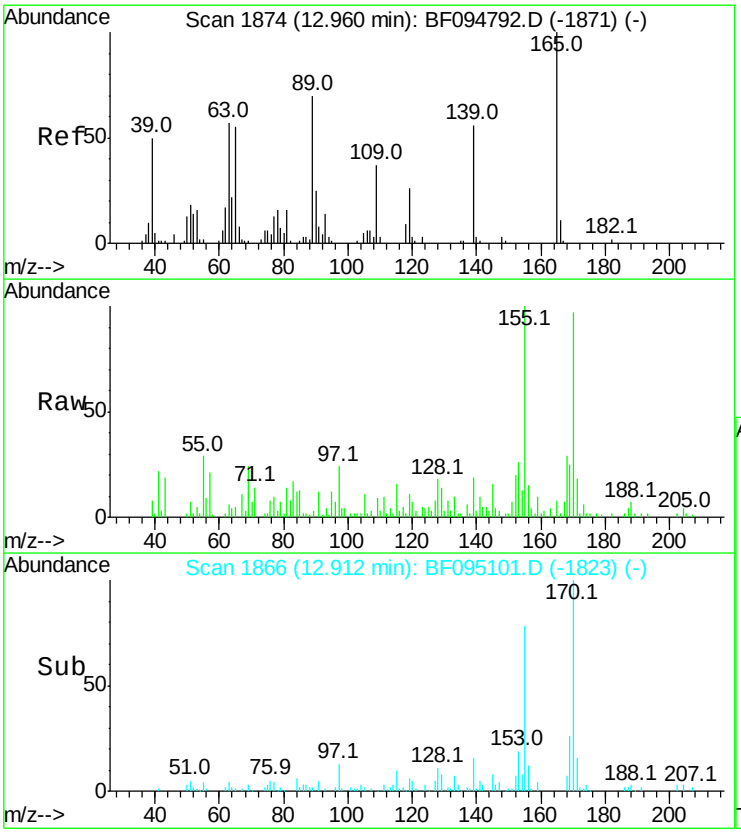
#44
2-Fluorobiphenyl
Concen: 2.15 ng
RT: 11.50 min Scan# 1626
Delta R.T. -0.03 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 24238

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	22.4	19.8	29.8

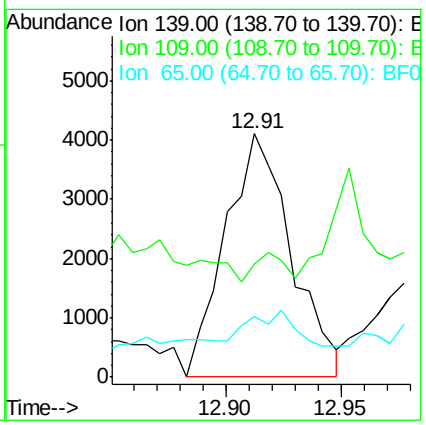


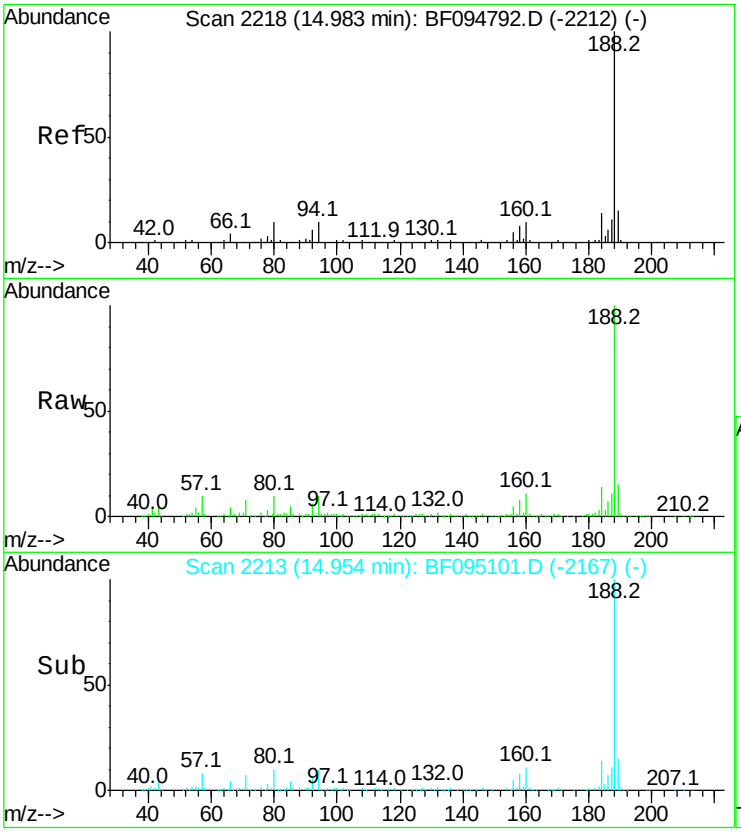


#55
4-Nitrophenol
Concen: 4.66 ng
RT: 12.91 min Scan# 1866
Delta R.T. -0.05 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:139 Resp: 8166

Ion	Ratio	Lower	Upper
139	100		
109	46.3	34.1	74.1
65	24.7	31.4	71.4#



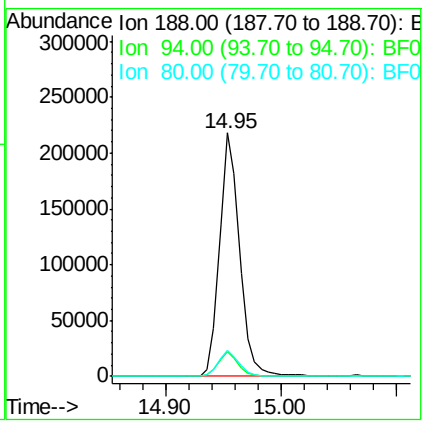


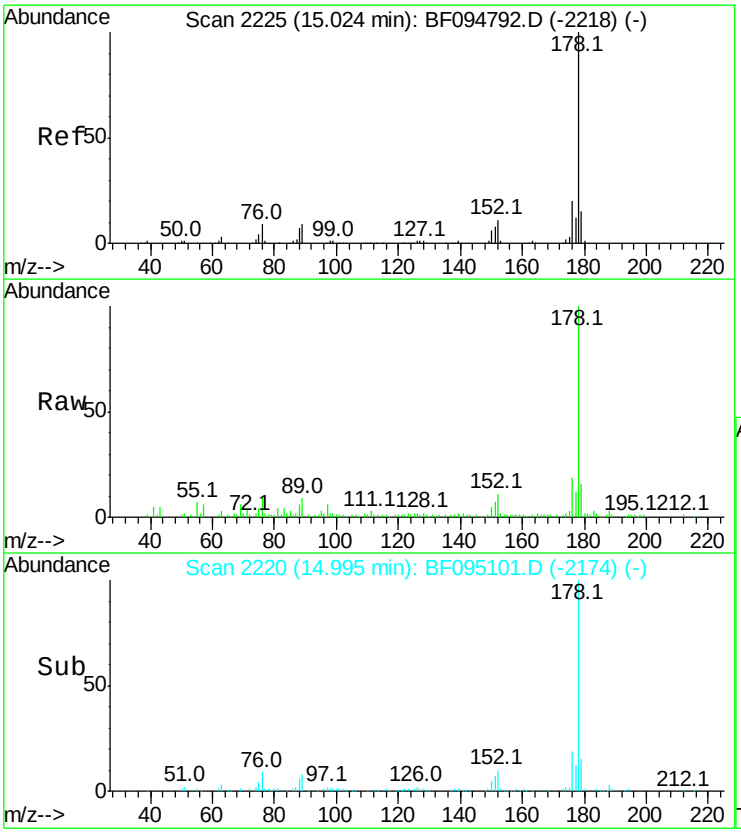
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.95 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 262567

Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.5	10.2	15.2

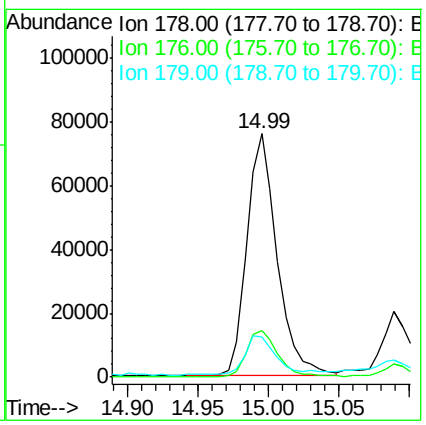


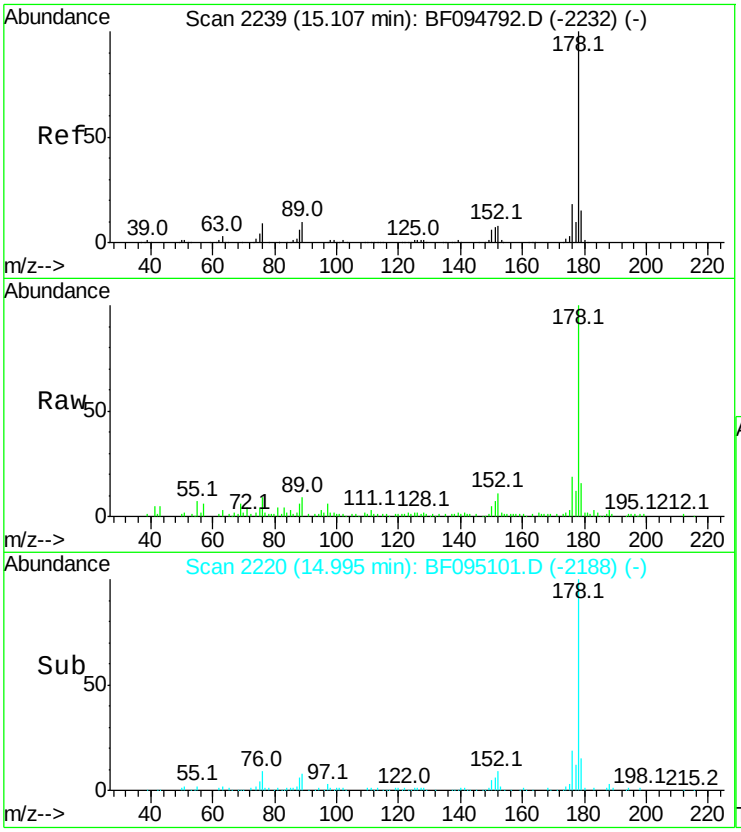


#70
Phenanthrene
Concen: 7.56 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:178 Resp: 114059

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	16.4	12.6	19.0



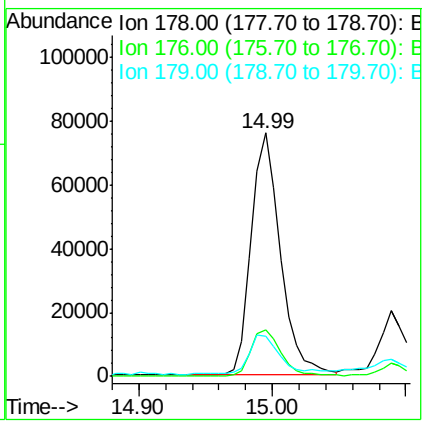


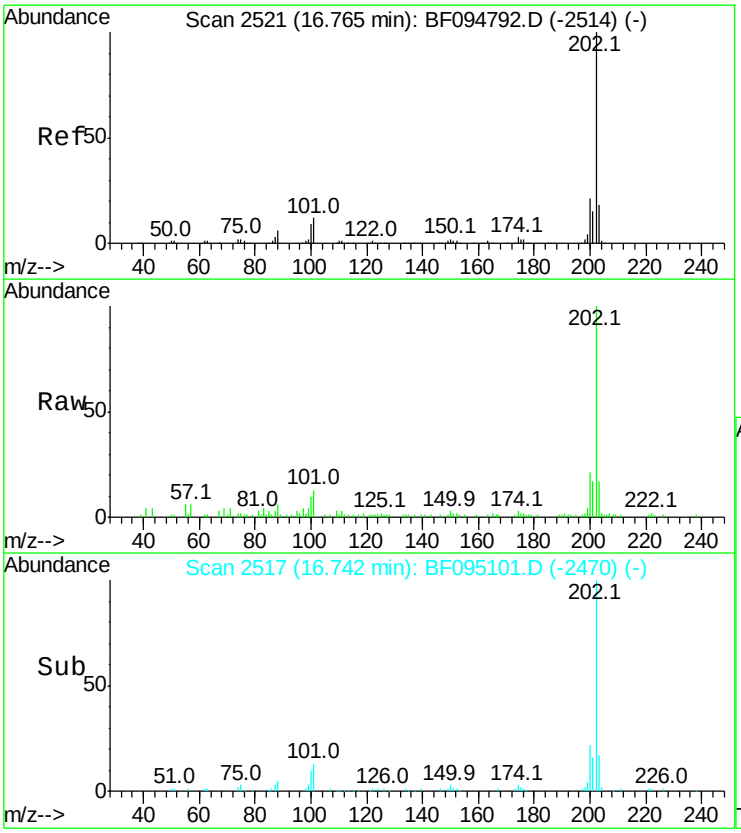
#71
Anthracene
Concen: 7.40 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.11 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 114073

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.4	12.7	19.1

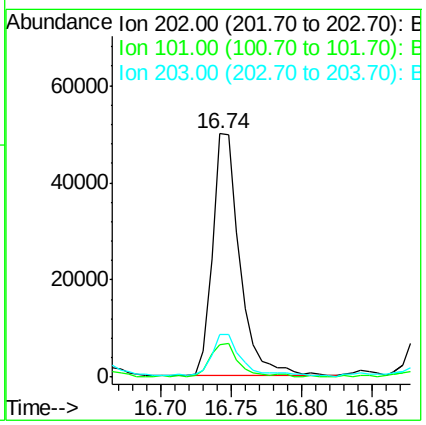


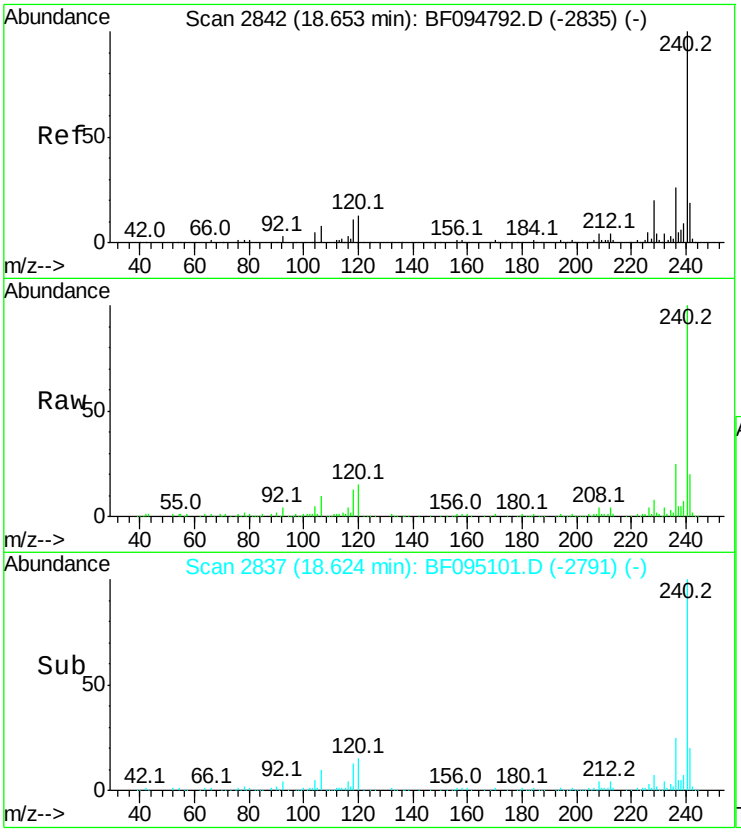


#74
Fluoranthene
Concen: 4.32 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:202 Resp: 66862

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	17.4	0.0	38.1



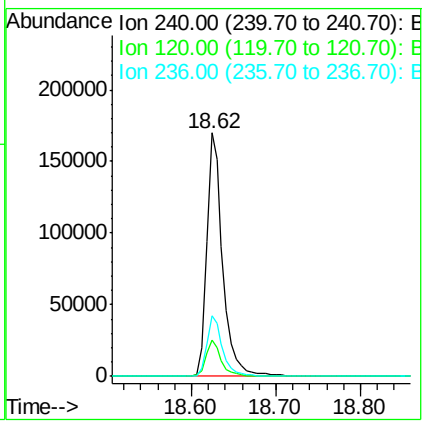


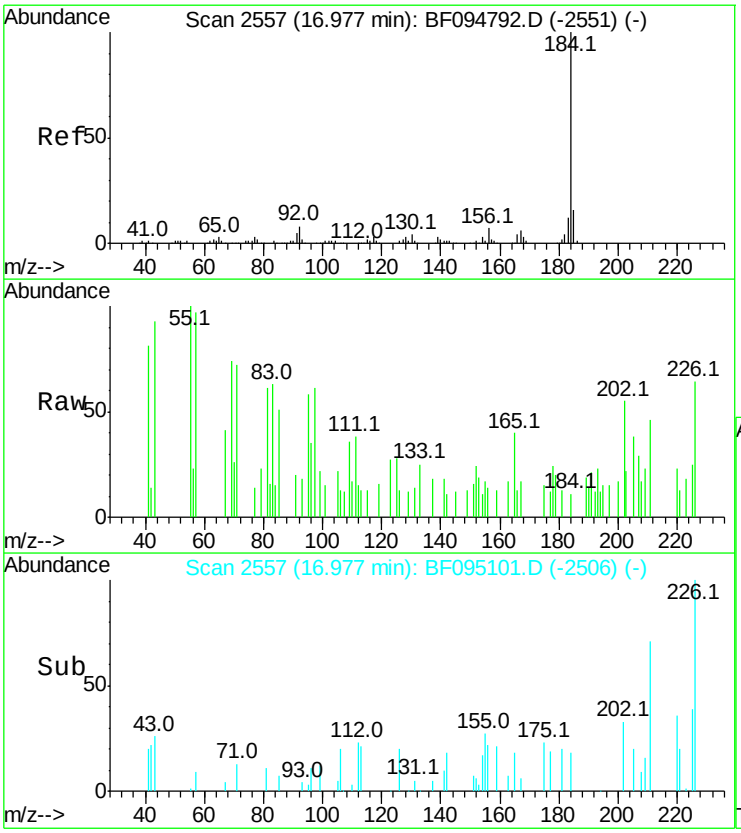
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.03 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 224469

Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.7	20.5	30.7

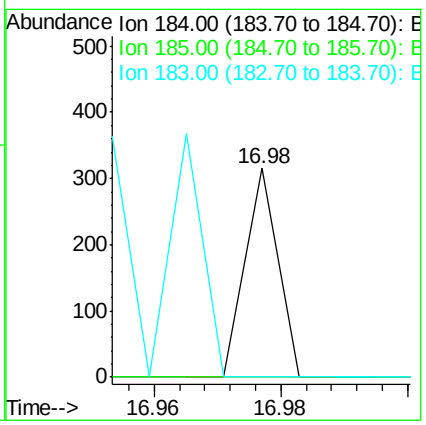


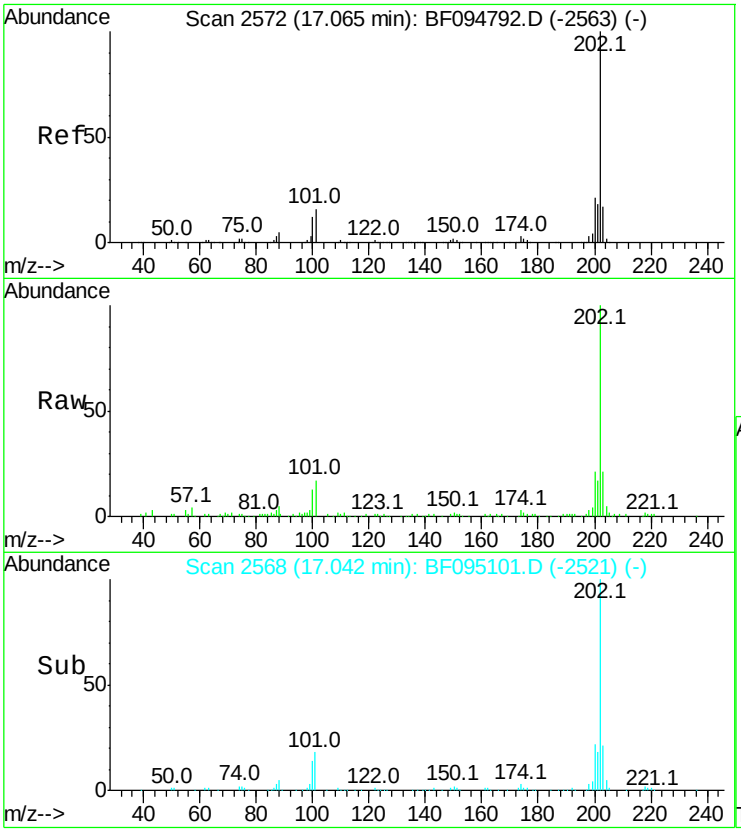


#76
Benzidine
Concen: 6.60 ng
RT: 16.98 min Scan# 2557
Delta R.T. -0.00 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:184 Resp: 111

Ion	Ratio	Lower	Upper
184	100		
185	0.0	15.5	23.3#
183	0.0	9.8	14.6#



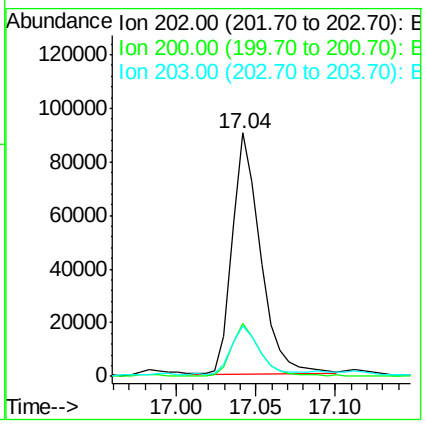


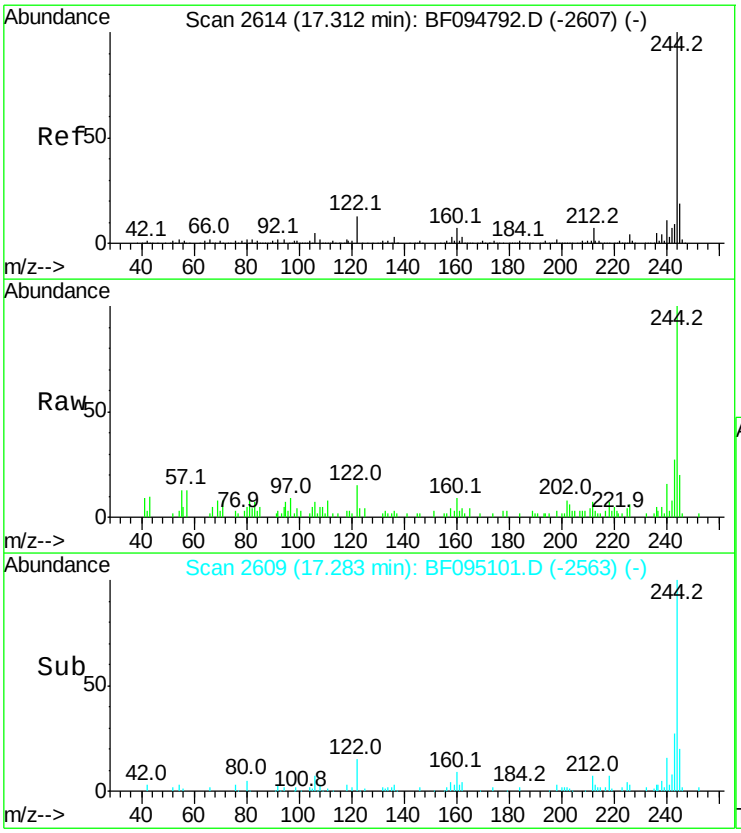
#77
Pyrene
Concen: 6.64 ng
RT: 17.04 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 111525

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	20.7	14.4	21.6

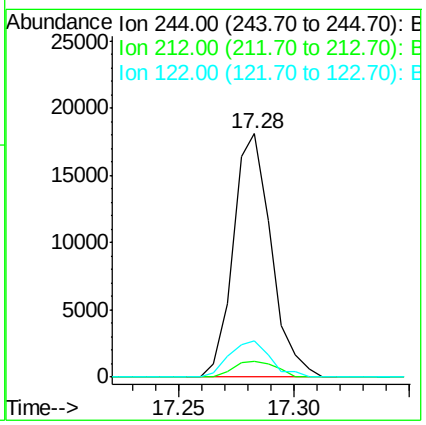


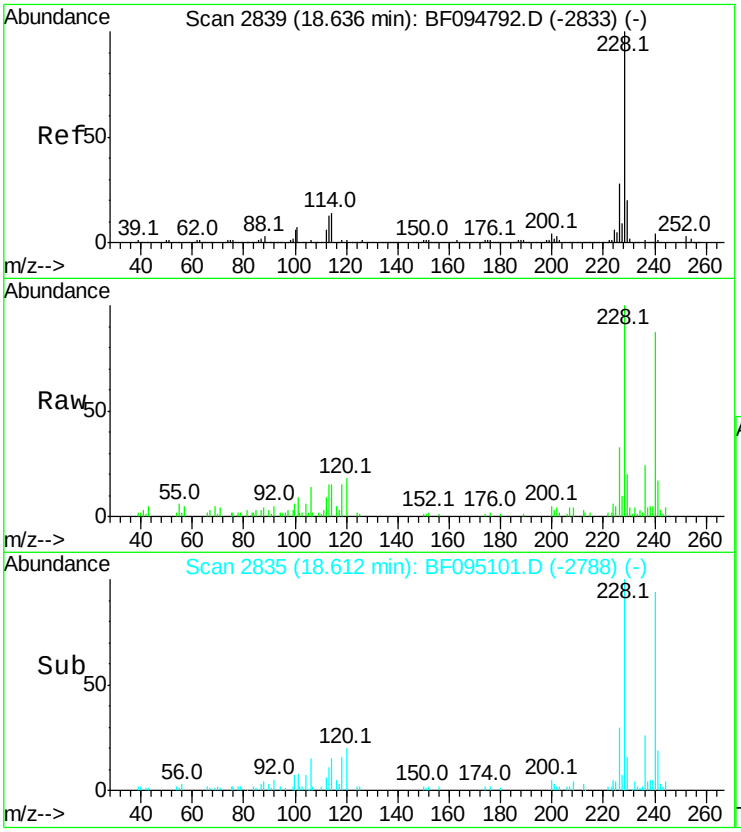


#78
Terphenyl-d14
Concen: 2.03 ng
RT: 17.28 min Scan# 2609
Delta R.T. -0.03 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:244 Resp: 20669

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.1	10.3	15.5



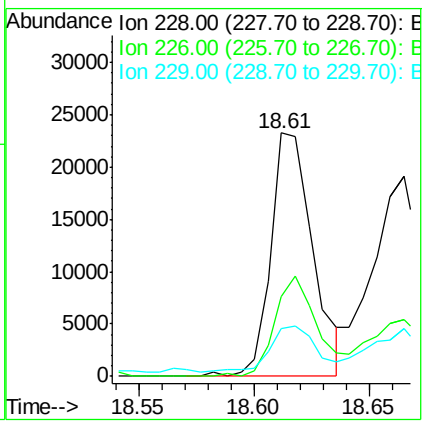


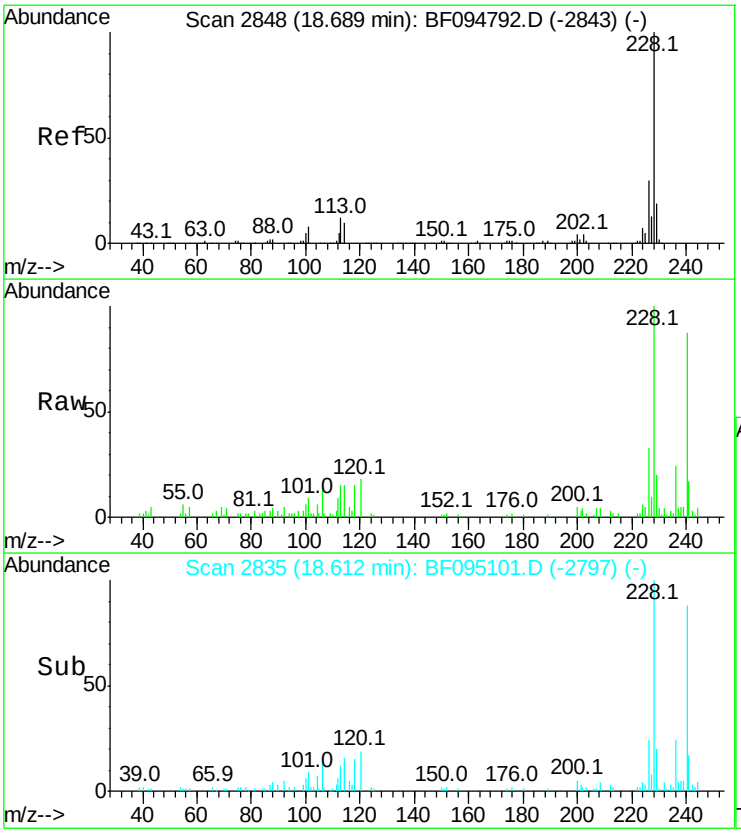
#80
Benzo(a)anthracene
Concen: 2.24 ng
RT: 18.61 min Scan# 2835
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 29305

Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	19.8	16.3	24.5

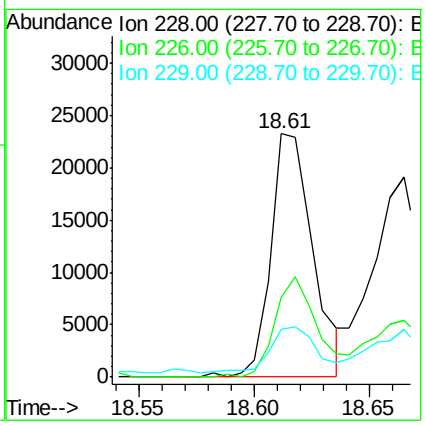


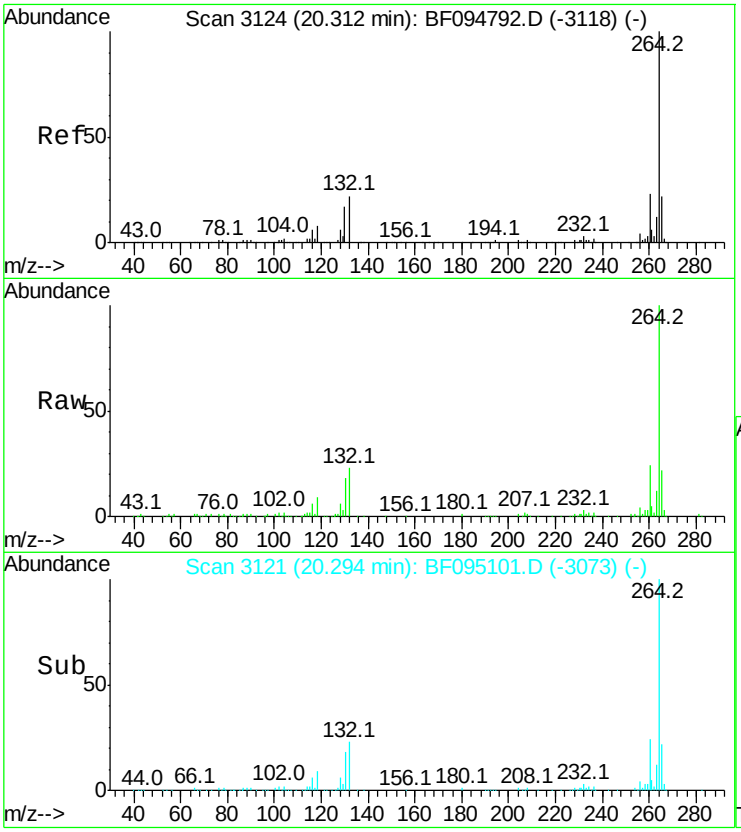


#82
Chrysene
Concen: 2.32 ng
RT: 18.61 min Scan# 2835
Delta R.T. -0.08 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:228 Resp: 29305

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.9	37.3
229	19.8	15.8	23.6



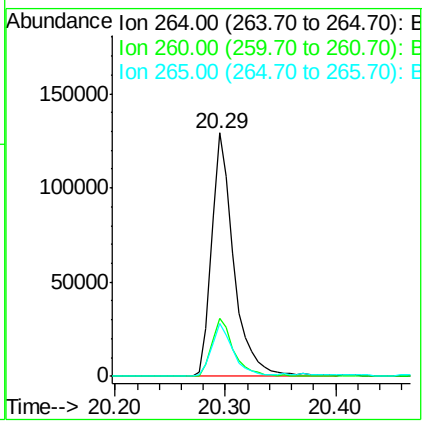


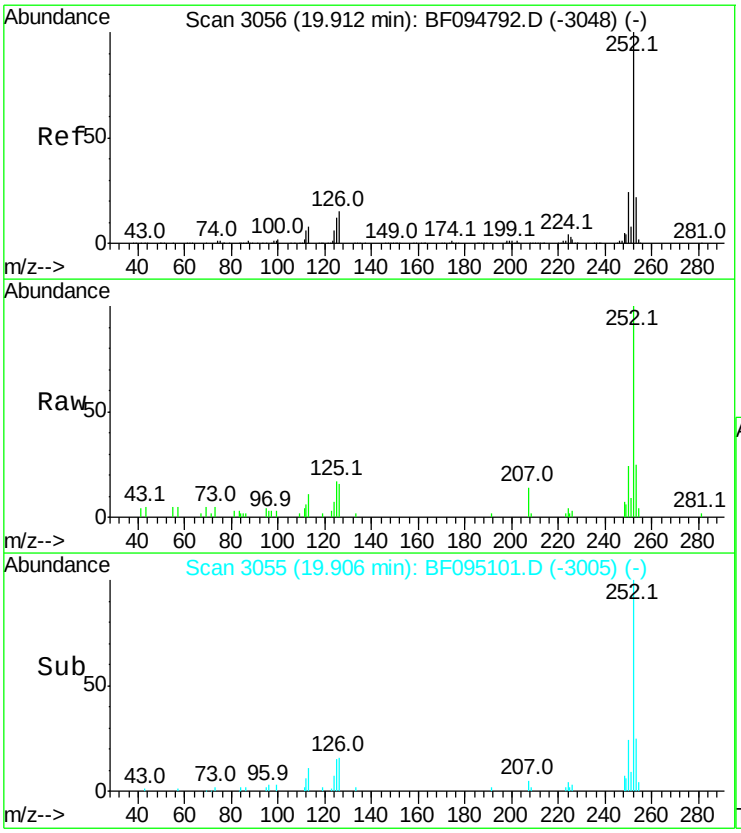
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 178930

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.9	17.2	25.8

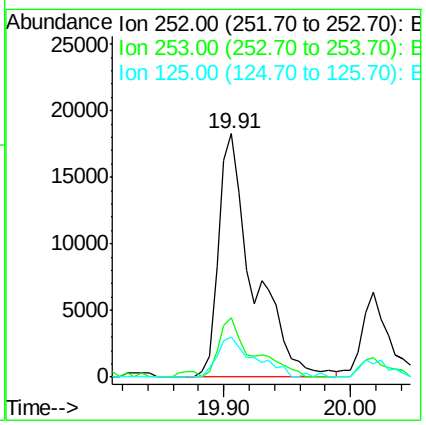


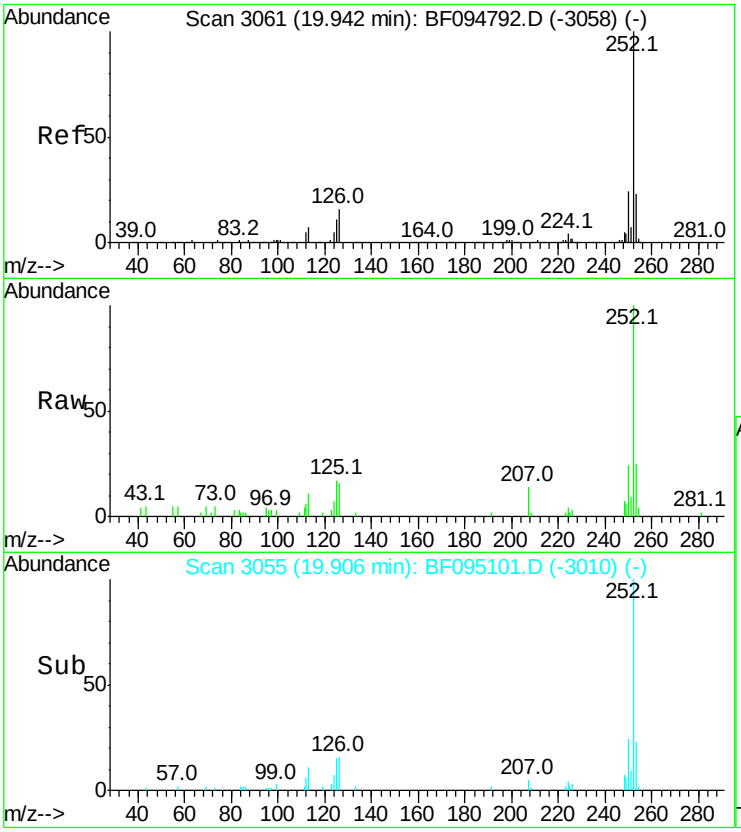


#87
Benzo(b)fluoranthene
Concen: 3.17 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:252 Resp: 35020

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	16.6	9.8	14.8#



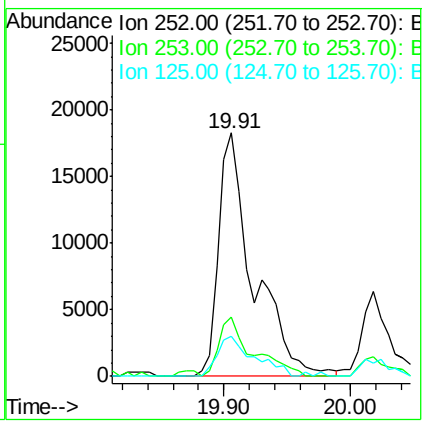


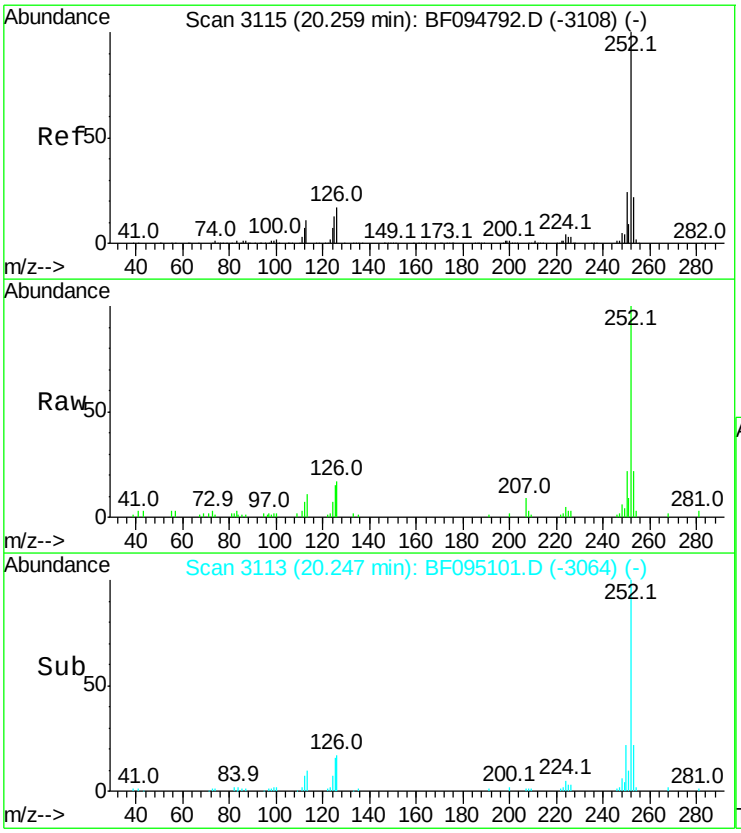
#88
Benzo(k)fluoranthene
Concen: 3.28 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 35020

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	16.6	13.1	19.7

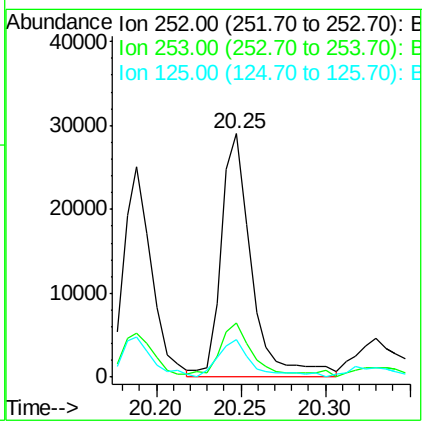


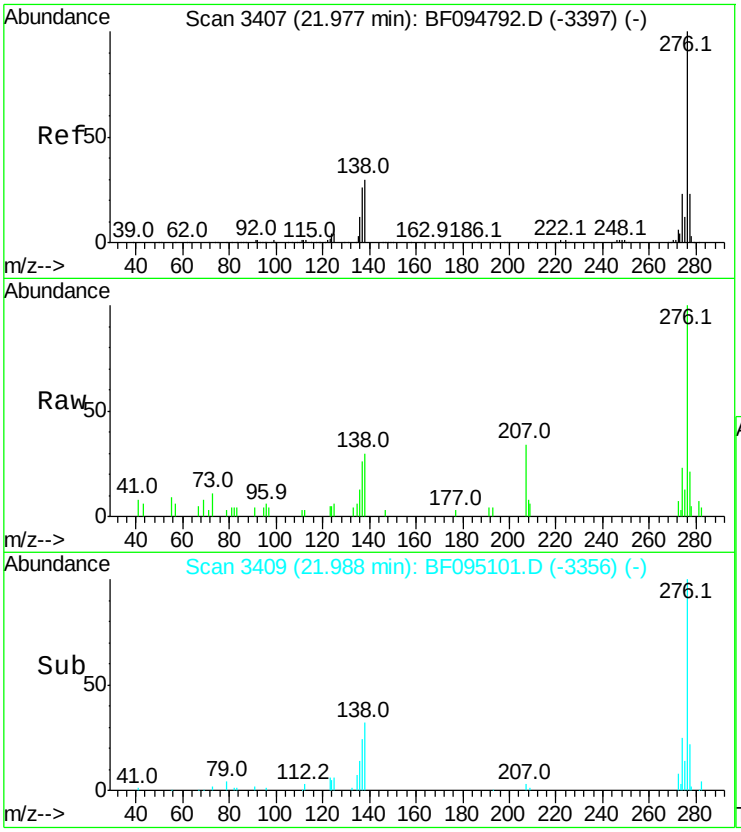


#89
Benzo(a)pyrene
Concen: 3.56 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion:252 Resp: 36333

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.2	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 3.32 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 27436

Ion	Ratio	Lower	Upper
276	100		
277	20.9	18.6	28.0
138	29.8	25.4	38.0