Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095320.D
Acq On : 22 May 2017 18:26
Operator : SJ/MA
Sample : I3227-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RO-11939

Quant Time: May 23 03:56:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	88076	20.00	ng		0.00
21) Naphthalene-d8	9.78	136	370506	20.00	ng		0.00
38) Acenaphthene-d10	12.61	164	176363	20.00	ng		-0.01
63) Phenanthrene-d10	15.02	188	255380	20.00	ng		0.00
75) Chrysene-d12	18.69	240	170756	20.00	ng		0.00
86) Perylene-d12	20.37	264	183668	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.72	112	795580	150.60	ng		-0.02
7) Phenol-d6	7.30	99	983147	155.11	ng		-0.01
23) Nitrobenzene-d5	8.66	82	573347	97.58	ng		-0.01
41) 2,4,6-Tribromophenol	13.91	330	191326	132.46	ng		0.00
44) 2-Fluorobiphenyl	11.55	172	1030855	84.13	ng		-0.01
78) Terphenyl-d14	17.34	244	523351	67.51	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	9.82	128	51712	2.78	ng		97
49) Dimethylphthalate	12.24	163	209592	14.48	ng		100
70) Phenanthrene	15.05	178	198056	13.50	ng		97
71) Anthracene	15.15	178	44261m	2.95	ng		
74) Fluoranthene	16.81	202	265619	17.65	ng		100
77) Pyrene	17.11	202	258395	20.23	ng	#	95
80) Benzo(a)anthracene	18.68	228	110310	11.10	ng	#	95
82) Chrysene	18.72	228	116611	12.14	ng	#	95
85) Indeno(1,2,3-cd)pyrene	21.71	276	61089	7.83	ng	#	91
87) Benzo(b)fluoranthene	19.96	252	127276m	11.21	ng		
88) Benzo(k)fluoranthene	19.99	252	48328m	4.41	ng		
89) Benzo(a)pyrene	20.31	252	100490	9.60	ng	#	90
91) Benzo(g,h,i)perylene	22.09	276	59749	7.04	ng		97

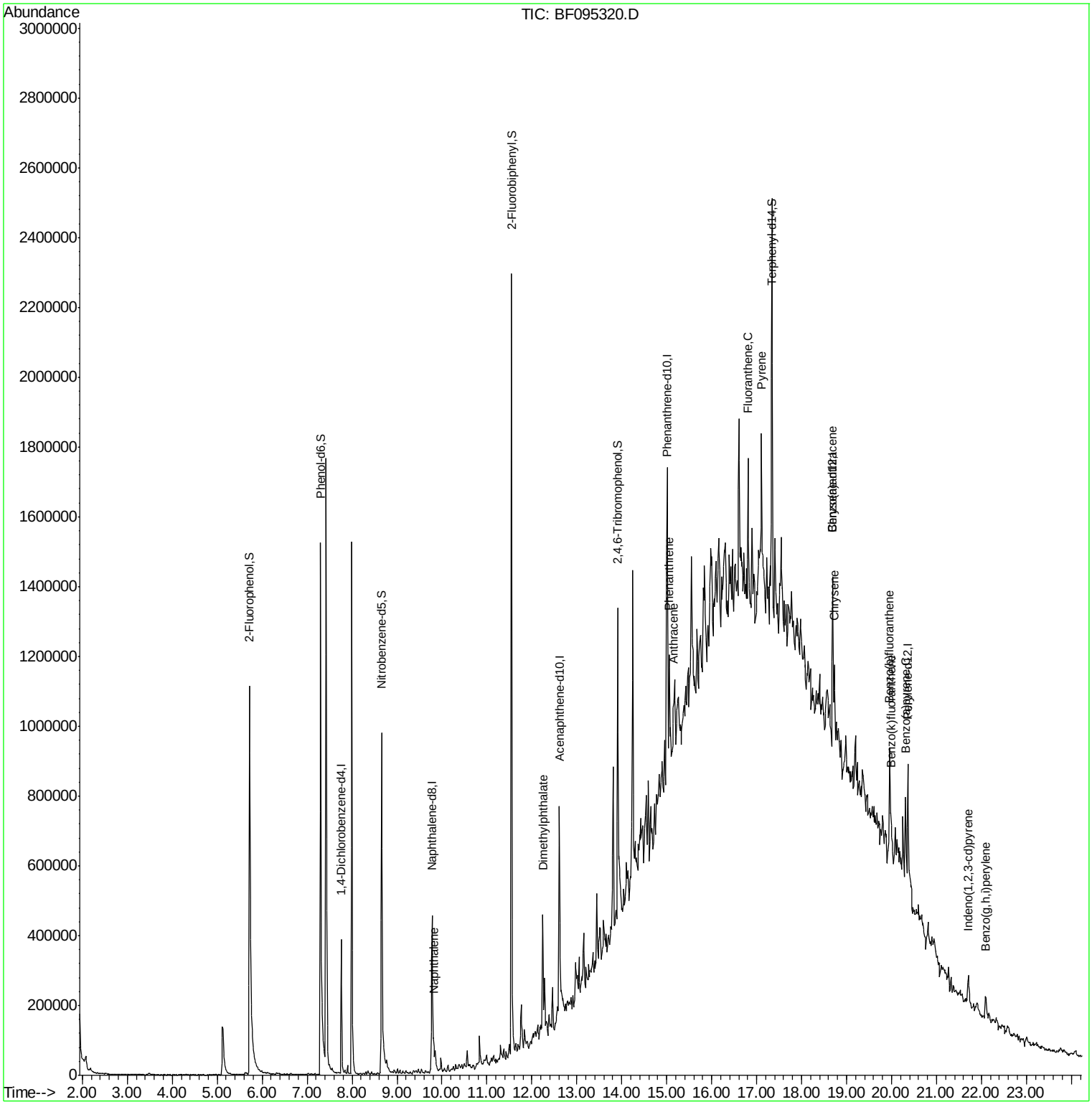
(#) = qualifier out of range (m) = manual integration (+) = signals summed

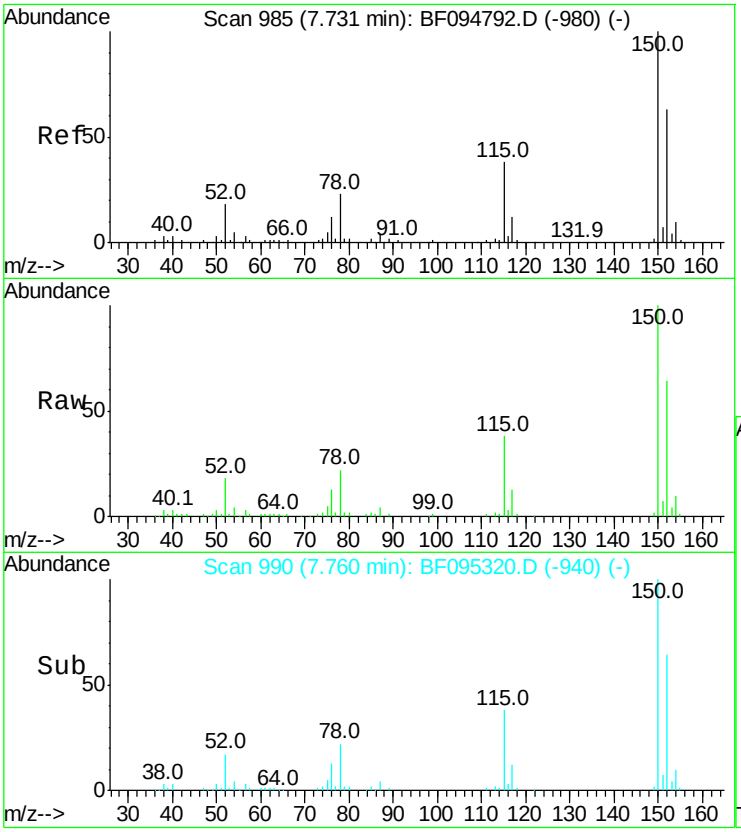
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
Data File : BF095320.D
Acq On : 22 May 2017 18:26
Operator : SJ/MA
Sample : I3227-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RO-11939

Quant Time: May 23 03:56:56 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration



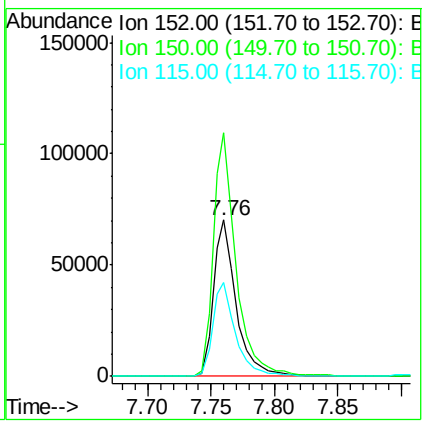


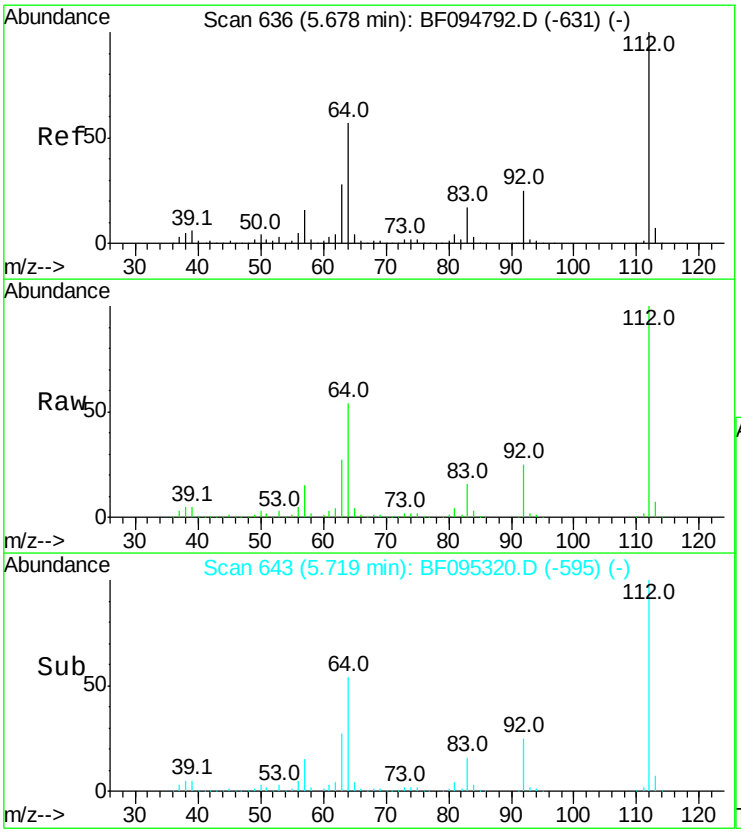
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:152 Resp: 88076

Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.2	189.2
115	59.9	52.2	78.2

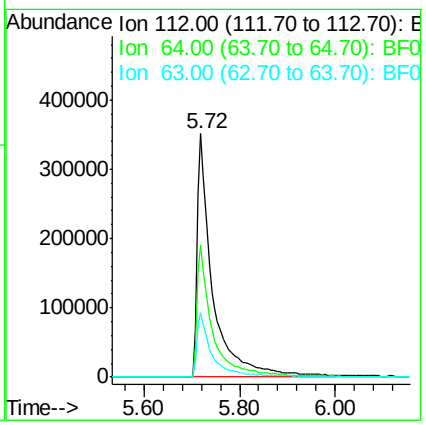


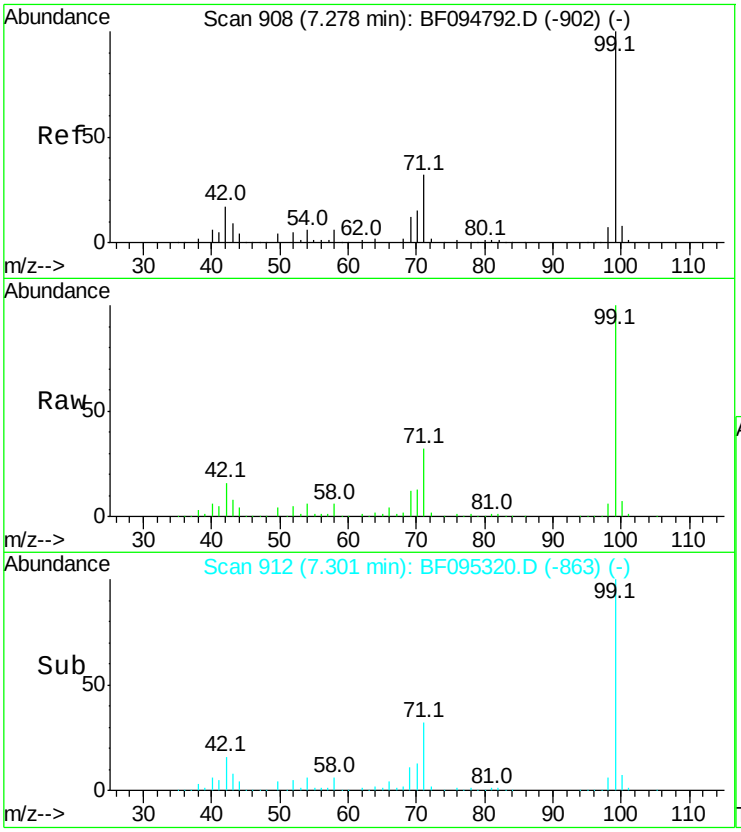


#5
2-Fluorophenol
Concen: 150.60 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:112 Resp: 795580

Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.0	69.0
63	26.7	23.4	35.0



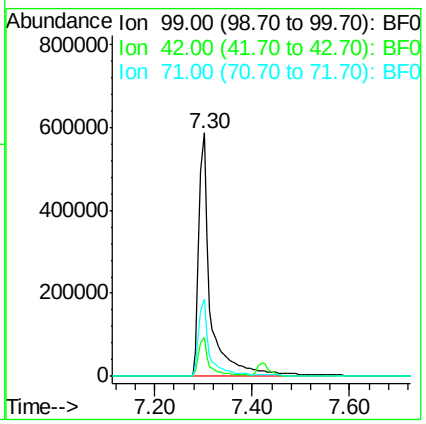


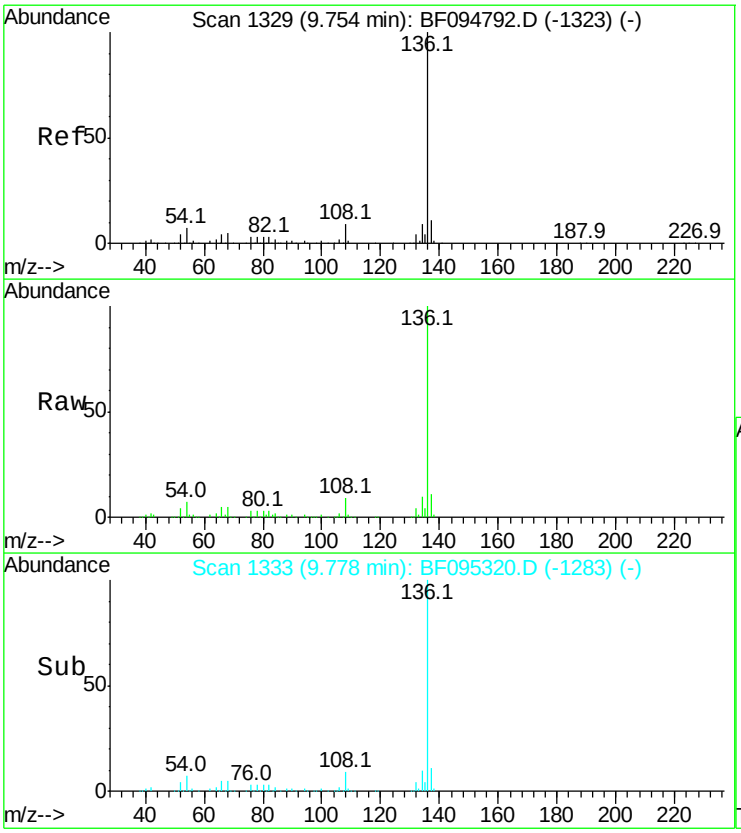
#7
Phenol-d6
Concen: 155.11 ng
RT: 7.30 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion: 99 Resp: 983147

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.5	20.3
71	32.0	24.5	36.7

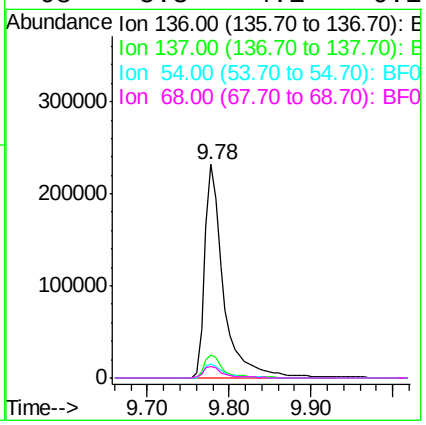


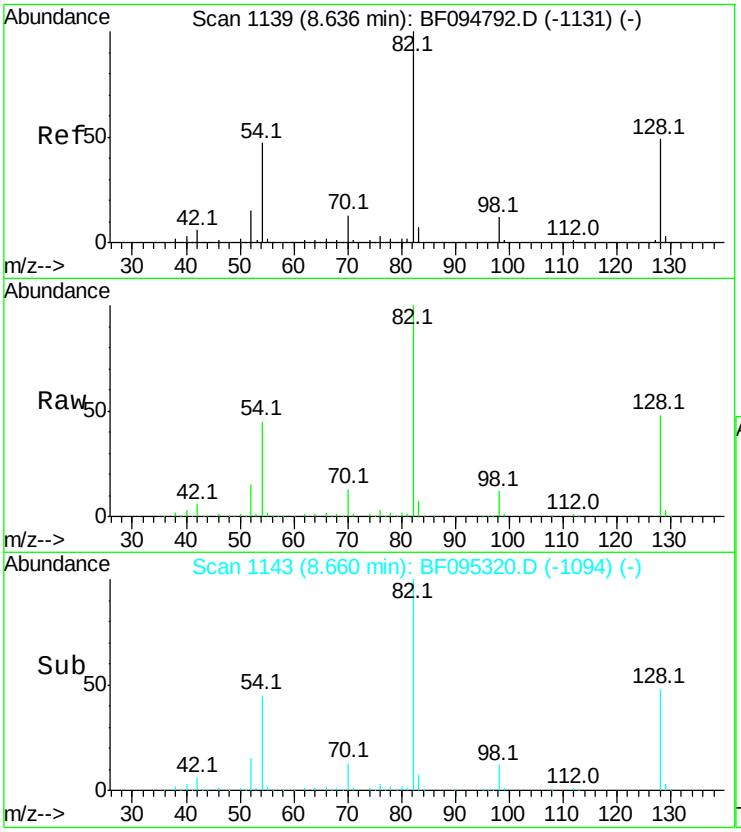


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:136 Resp: 370506

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.8	4.9	7.3
68	5.3	4.1	6.1



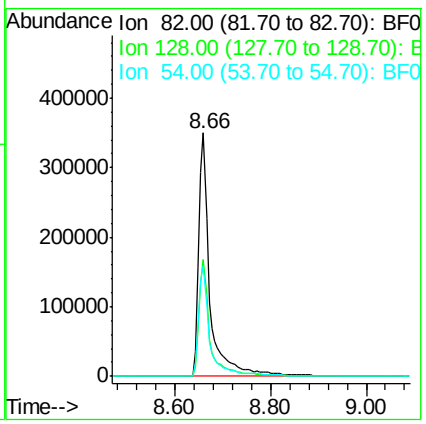


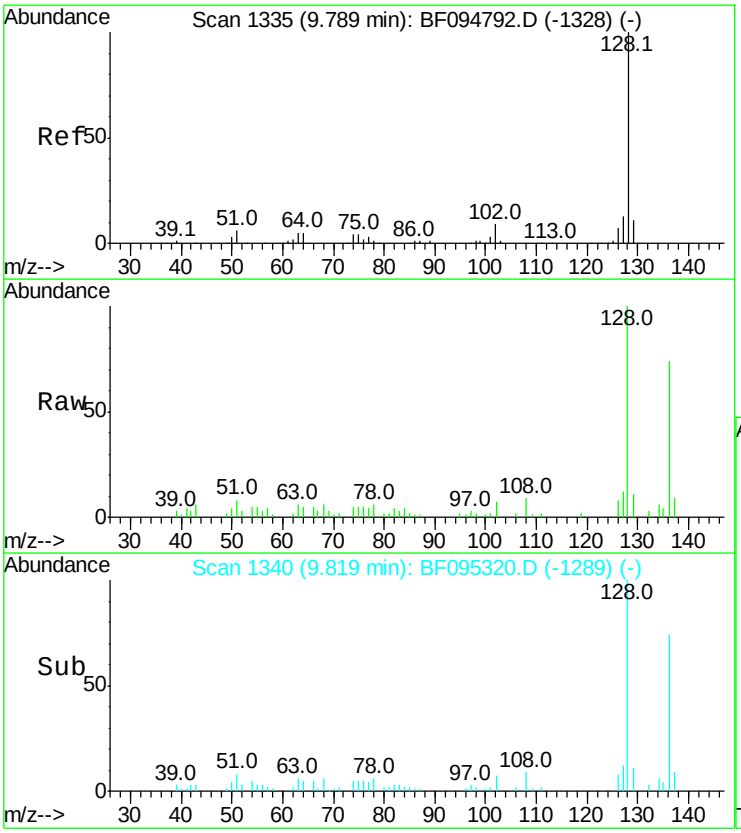
#23
Nitrobenzene-d5
Concen: 97.58 ng
RT: 8.66 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion: 82 Resp: 573347

Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.0	51.0
54	45.2	42.2	63.2

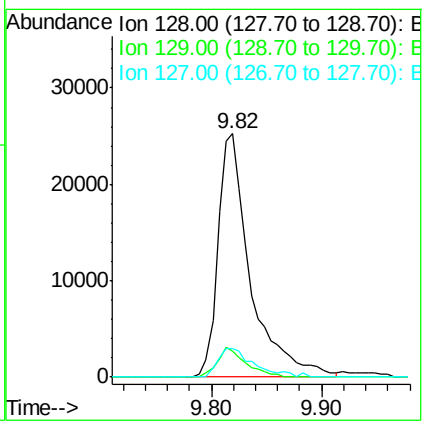


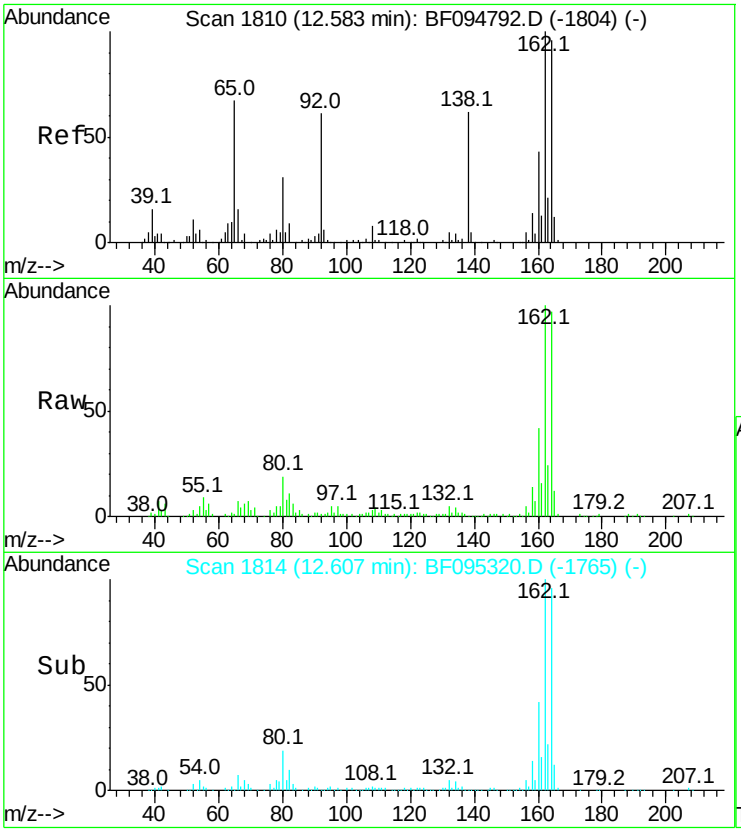


#31
Naphthalene
Concen: 2.78 ng
RT: 9.82 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:128 Resp: 51712

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	11.8	10.8	16.2



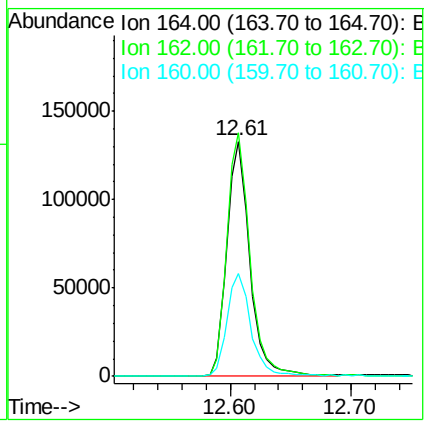


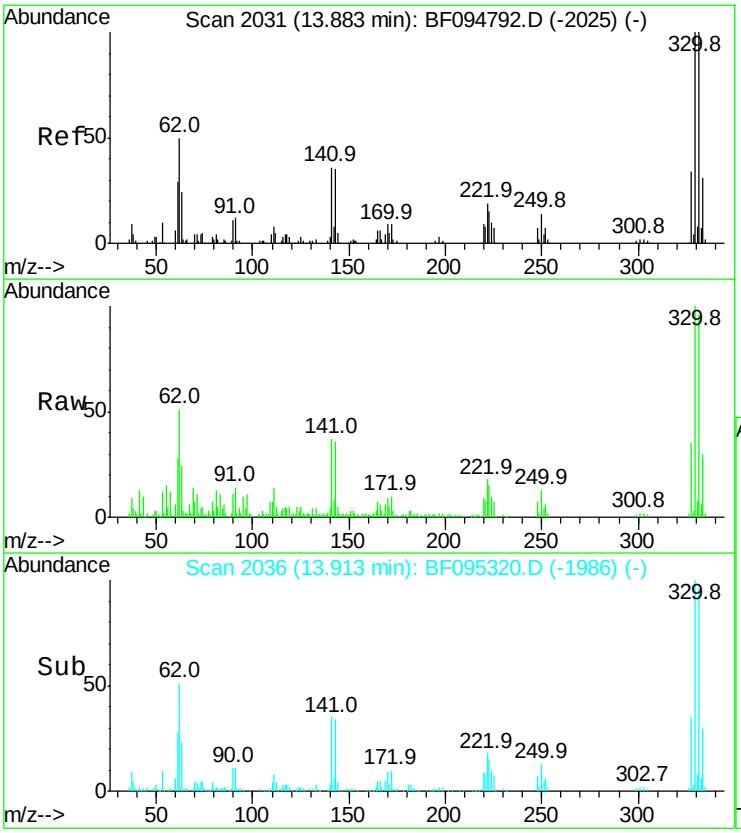
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:164 Resp: 176363

Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	43.9	36.2	54.2

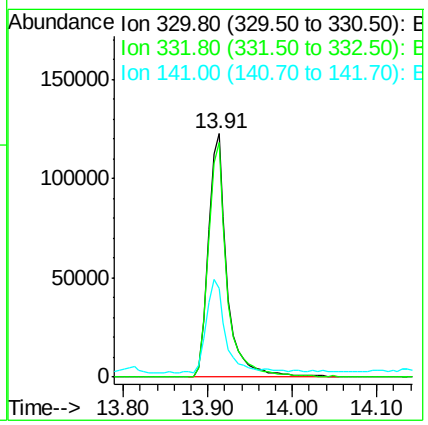


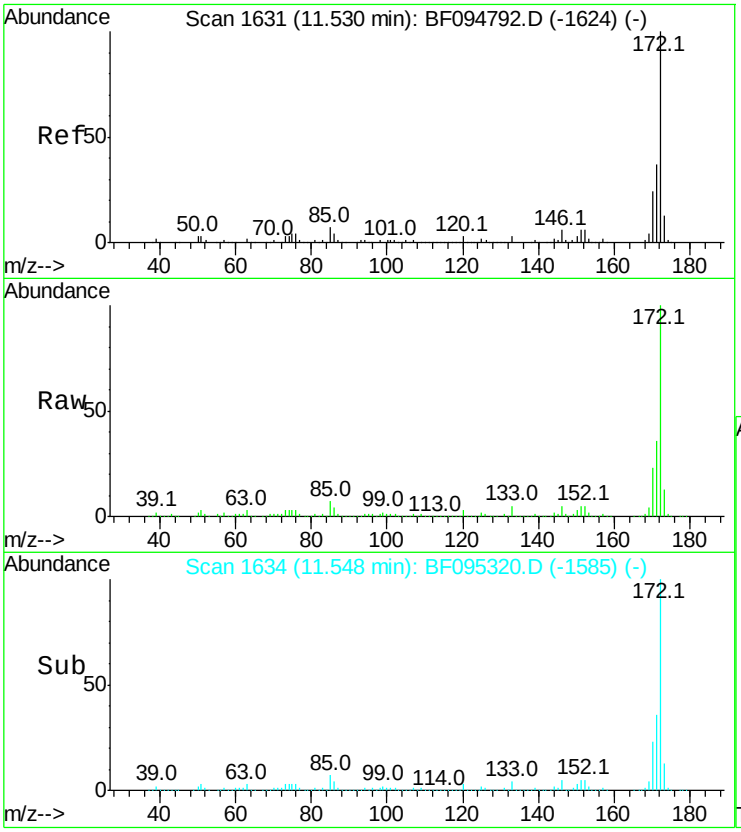


#41
2,4,6-Tribromophenol
Concen: 132.46 ng
RT: 13.91 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:330 Resp: 191326

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	40.0	31.4	47.2



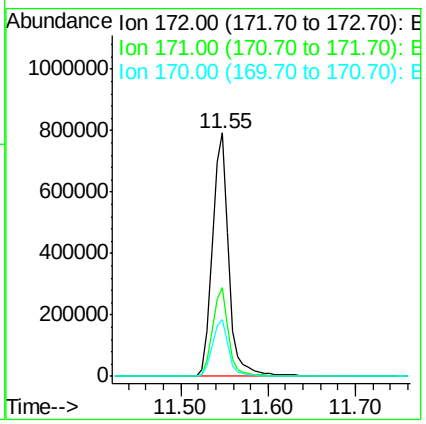


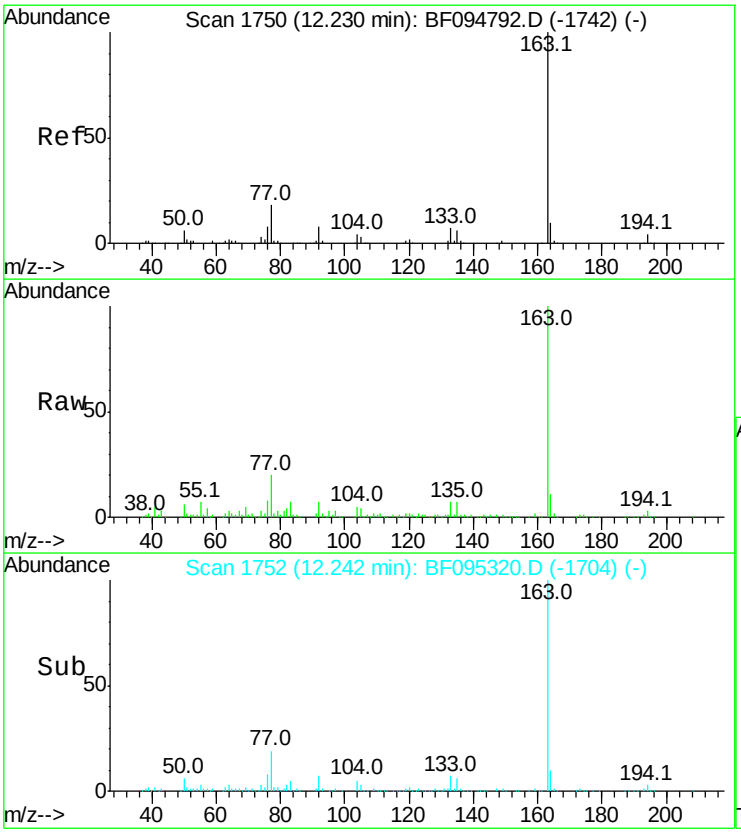
#44
2-Fluorobiphenyl
Concen: 84.13 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:172 Resp: 1030855

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.3	19.8	29.8

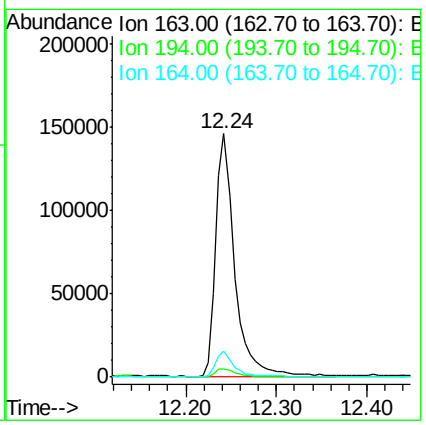


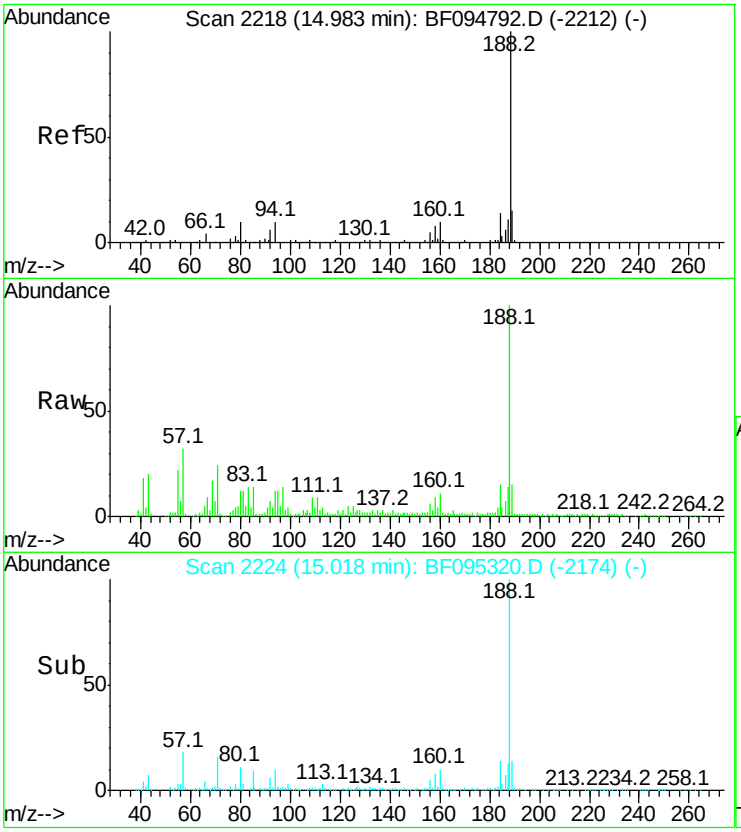


#49
Dimethylphthalate
Concen: 14.48 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:163 Resp: 209592

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.6	8.4	12.6



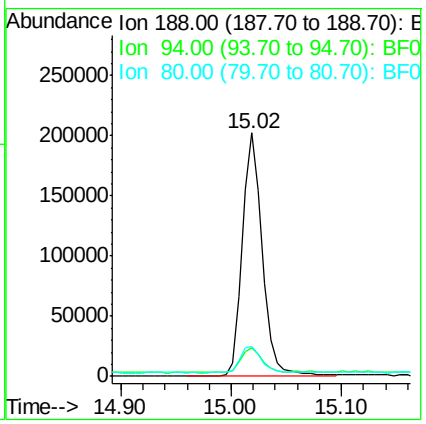


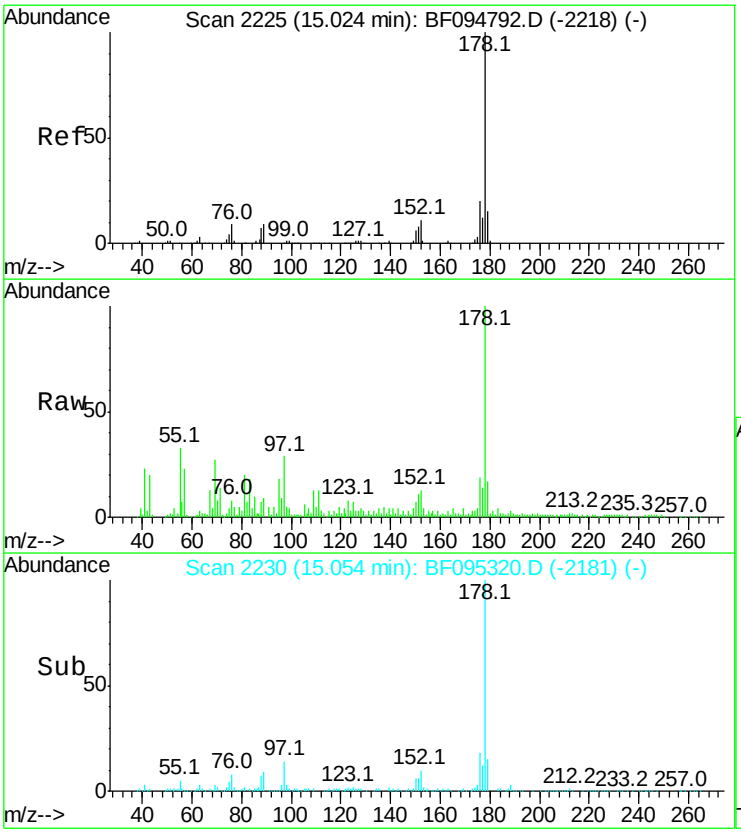
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:188 Resp: 255380

Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.1	10.2	15.2

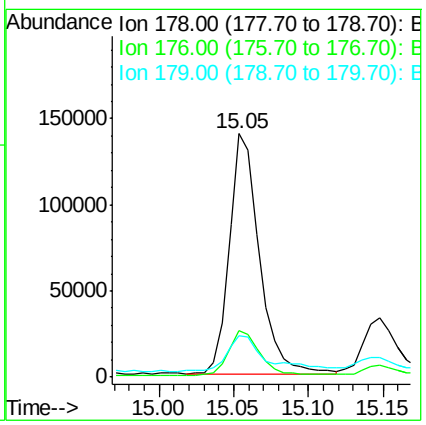


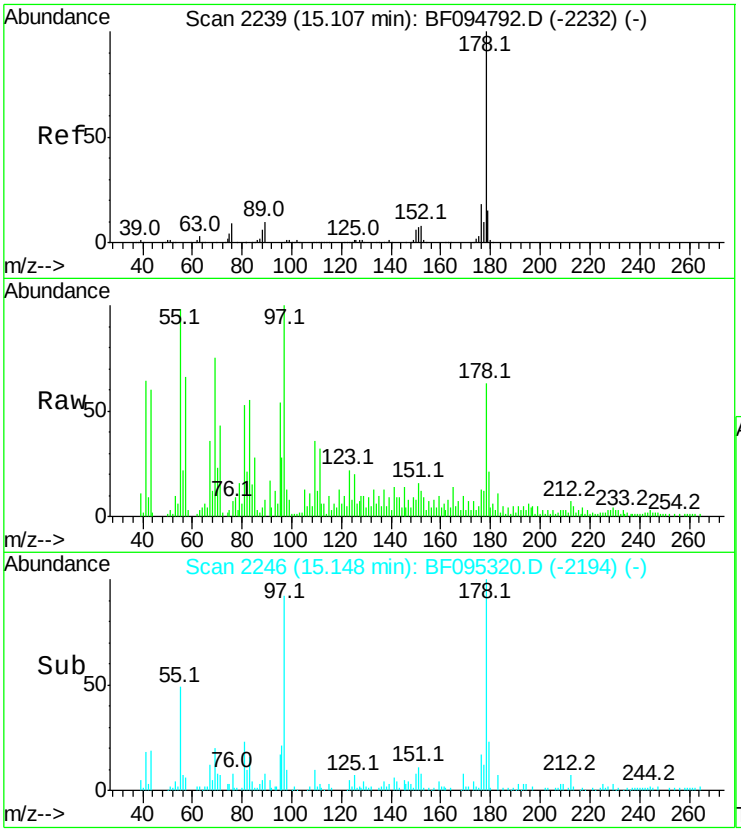


#70
Phenanthrene
Concen: 13.50 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:178 Resp: 198056

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	17.2	12.6	19.0



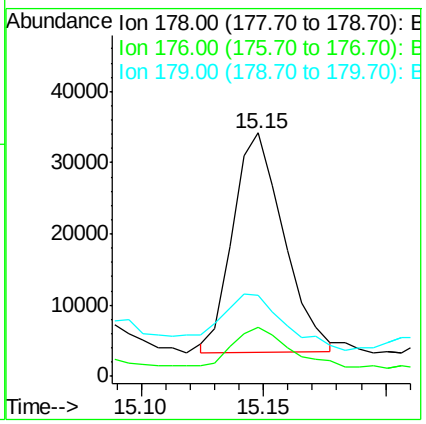


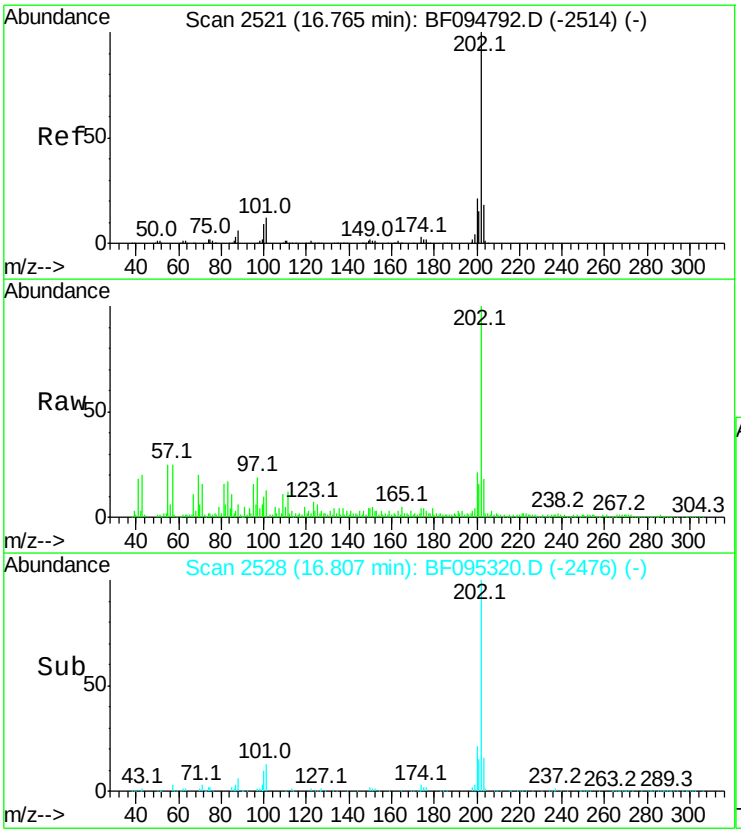
#71
Anthracene
Concen: 2.95 ng m
RT: 15.15 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:178 Resp: 44261

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	33.1	12.7	19.1#

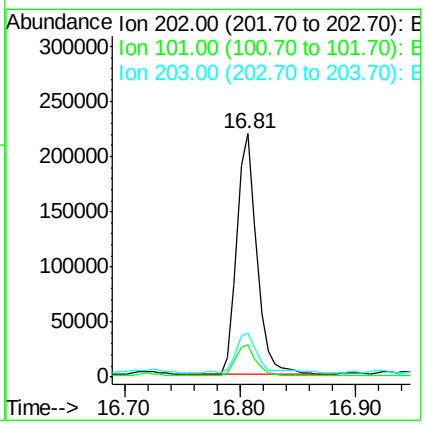


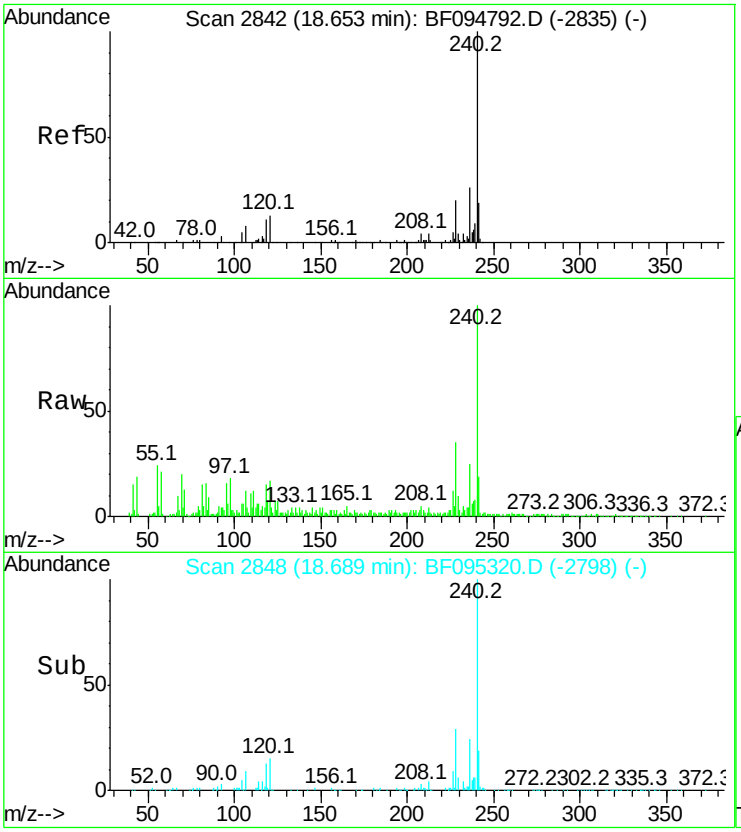


#74
Fluoranthene
Concen: 17.65 ng
RT: 16.81 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:202 Resp: 265619

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	18.0	0.0	38.1



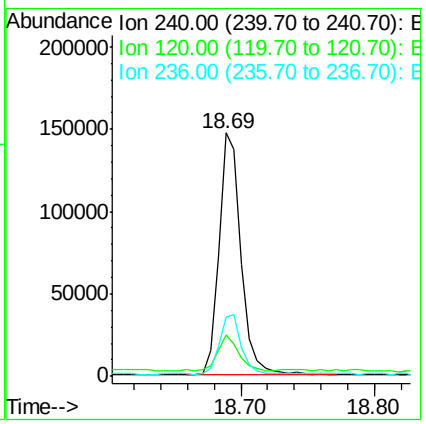


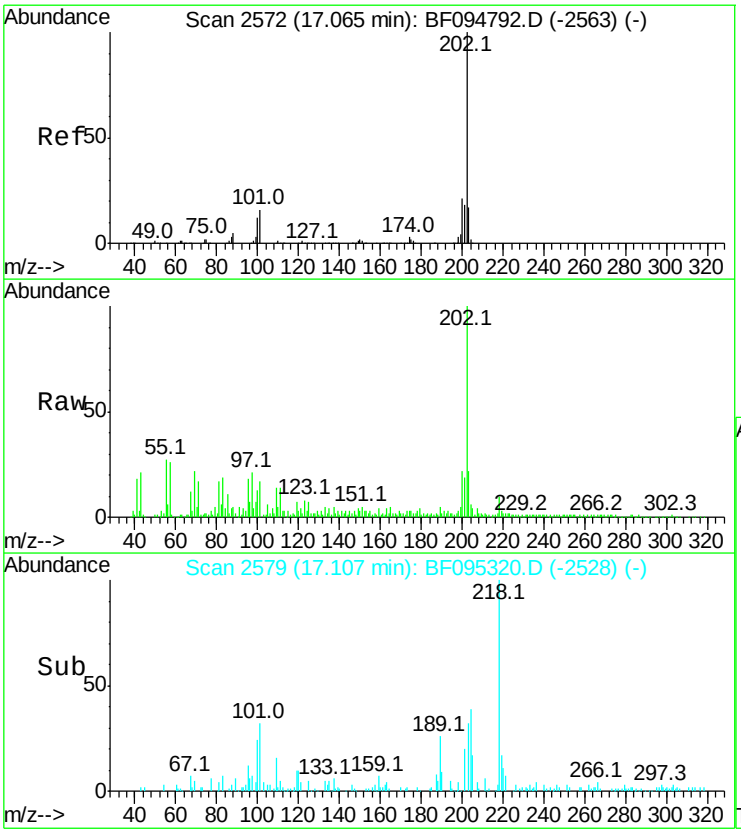
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.69 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:240 Resp: 170756

Ion	Ratio	Lower	Upper
240	100		
120	17.0	5.8	8.8#
236	24.5	20.5	30.7

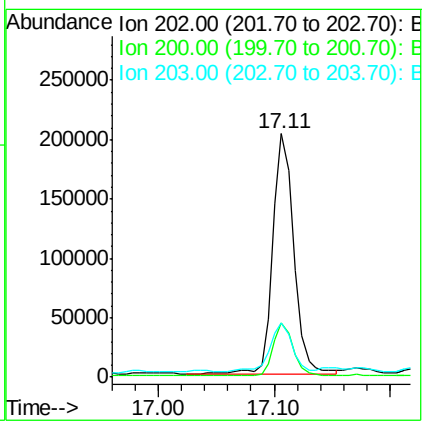


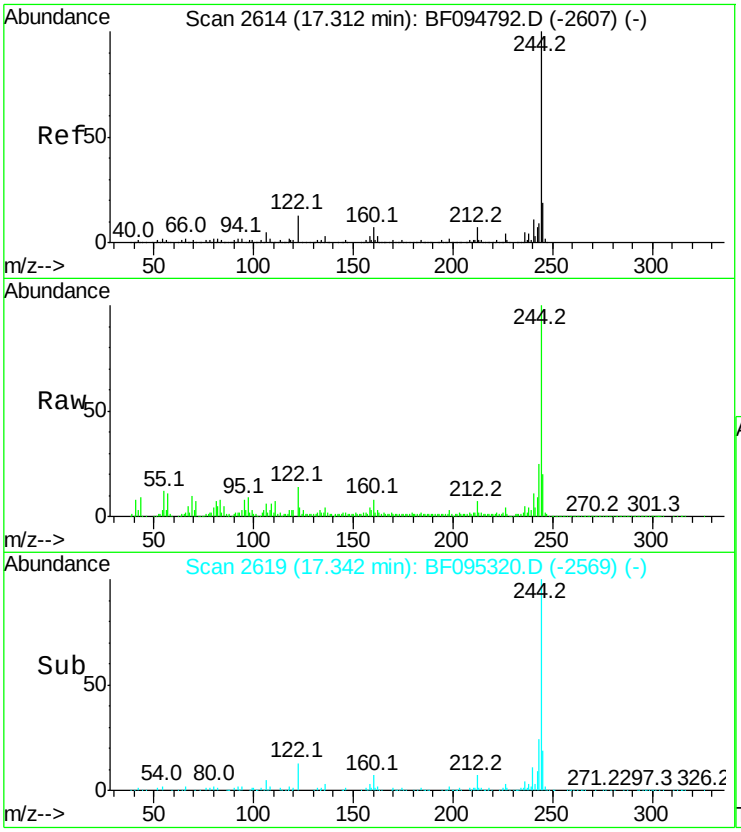


#77
Pyrene
Concen: 20.23 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:202 Resp: 258395

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	22.4	14.4	21.6#



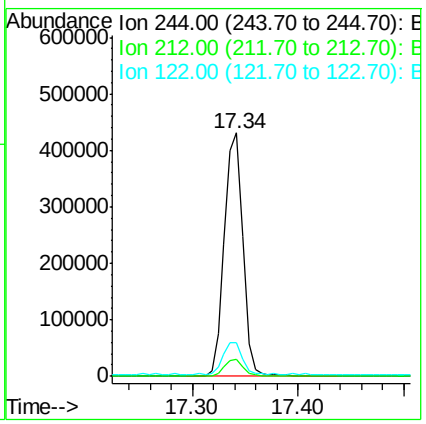


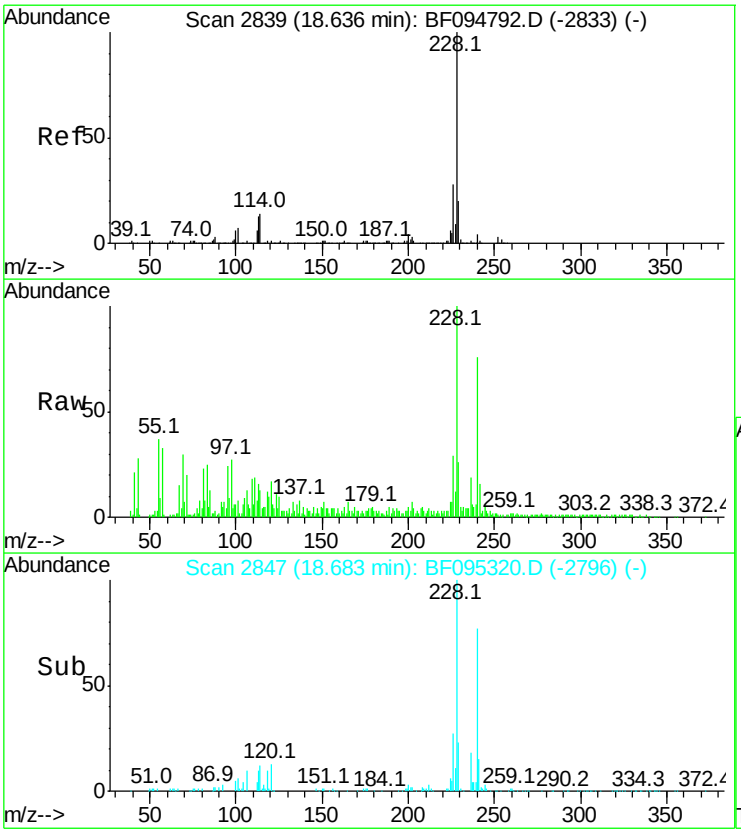
#78
Terphenyl-d14
Concen: 67.51 ng
RT: 17.34 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:244 Resp: 523351

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5

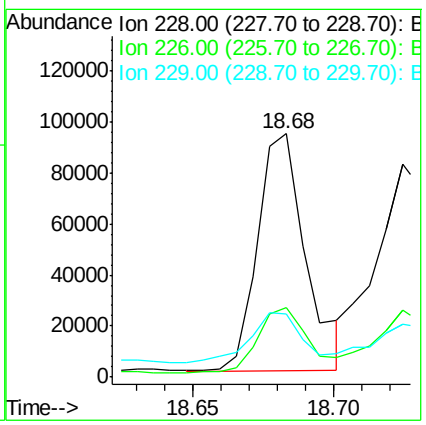


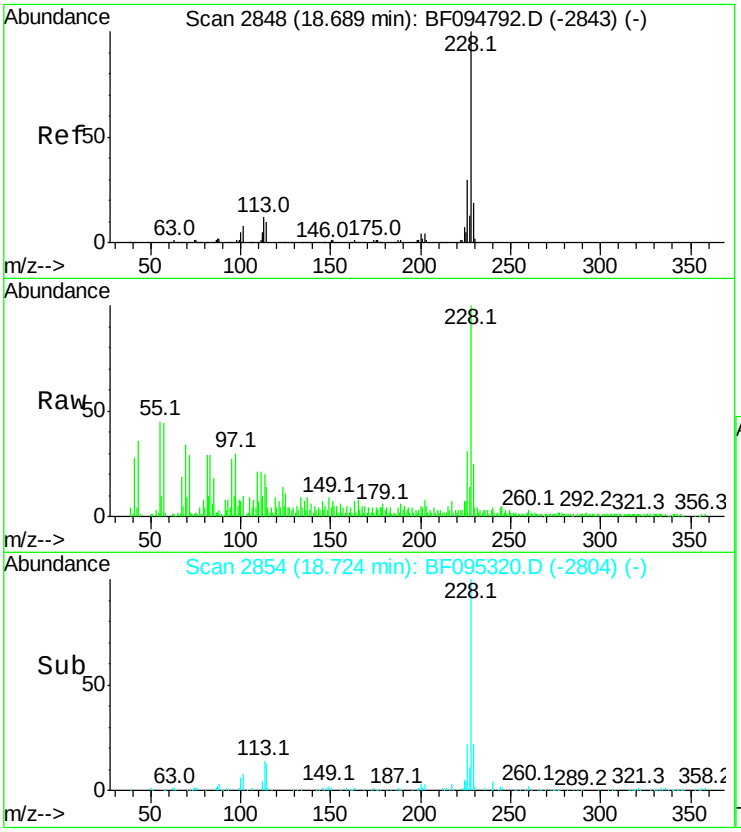


#80
Benzo(a)anthracene
Concen: 11.10 ng
RT: 18.68 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:228 Resp: 110310

Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	25.8	16.3	24.5#



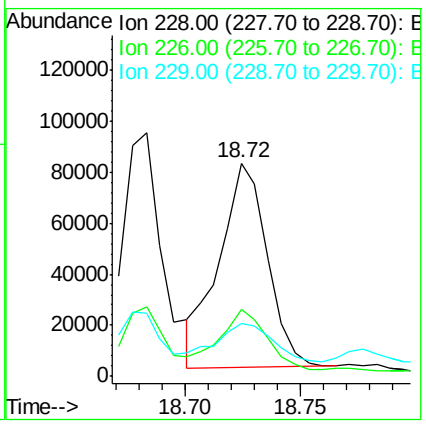


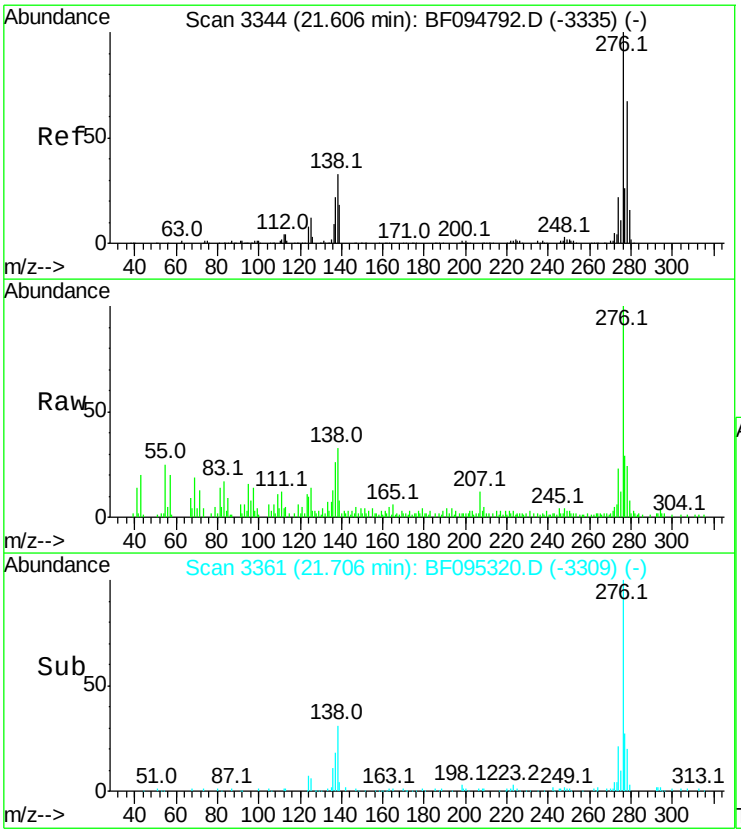
#82
Chrysene
Concen: 12.14 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:228 Resp: 116611

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	25.0	15.8	23.6#

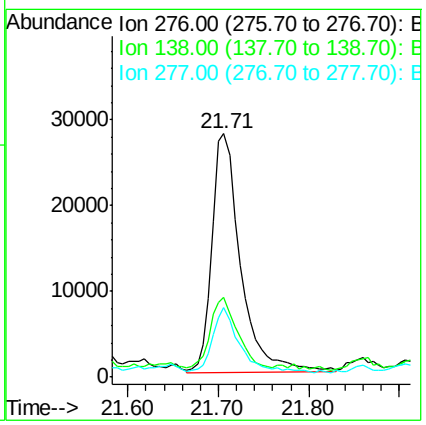


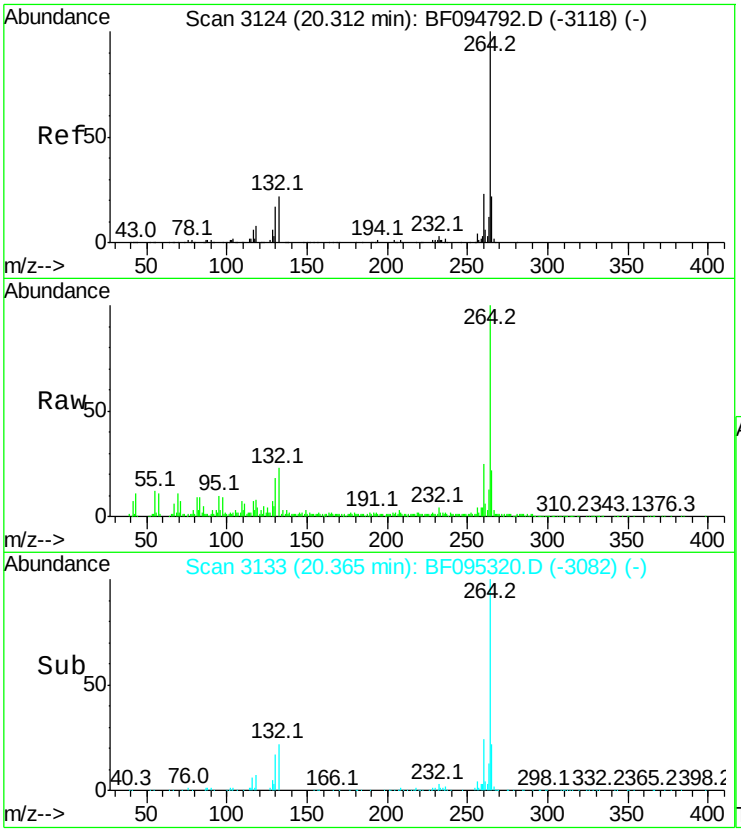


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.83 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:276 Resp: 61089

Ion	Ratio	Lower	Upper
276	100		
138	27.0	27.8	41.6#
277	26.3	20.2	30.4



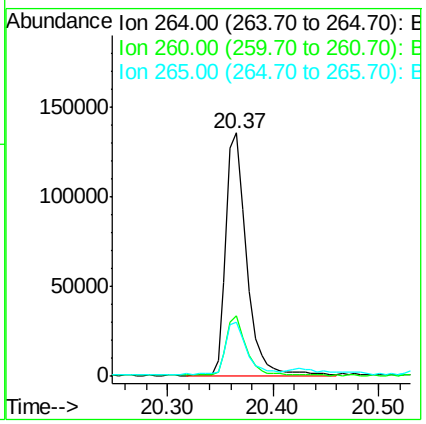


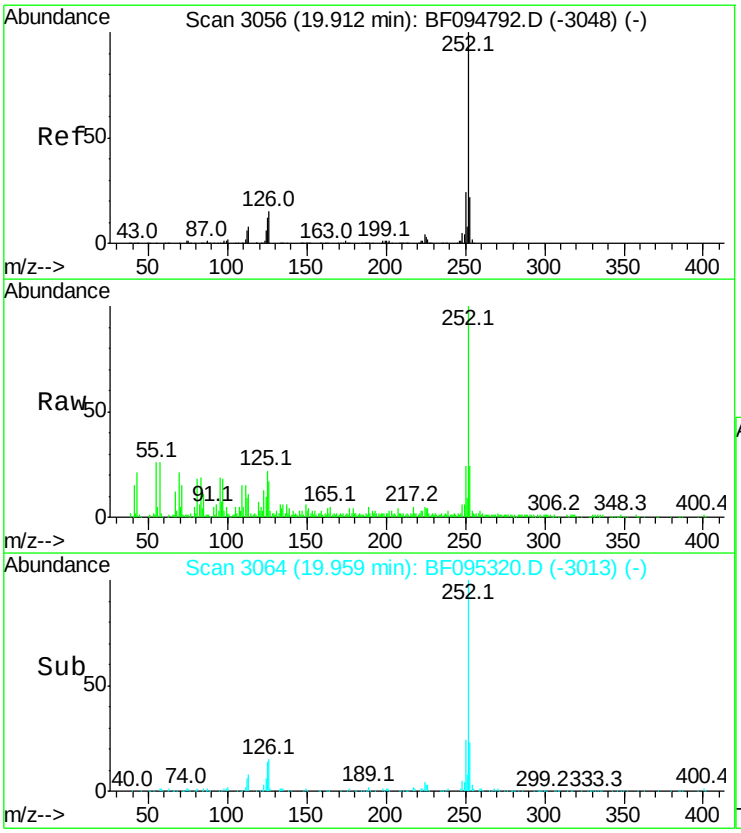
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:264 Resp: 183668

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.4	17.2	25.8

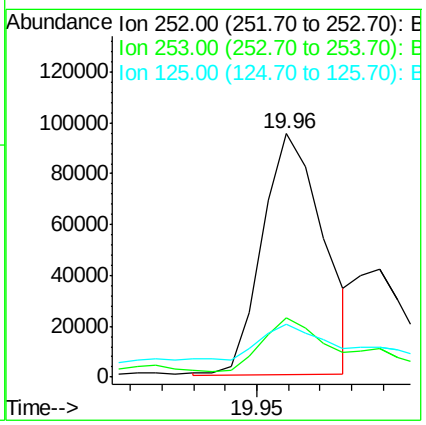


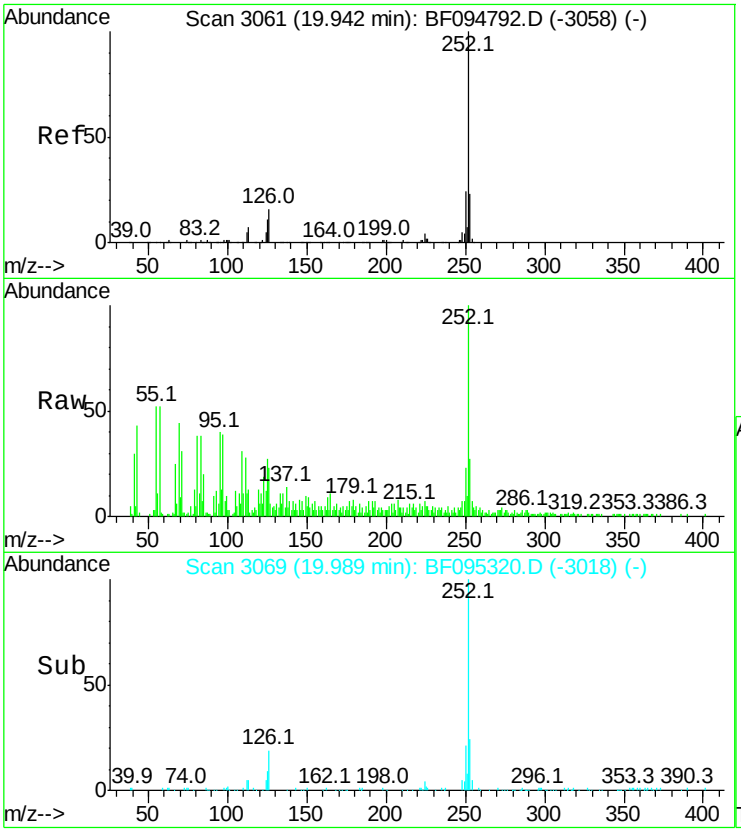


#87
Benzo(b)fluoranthene
Concen: 11.21 ng m
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:252 Resp: 127276

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	21.8	9.8	14.8#



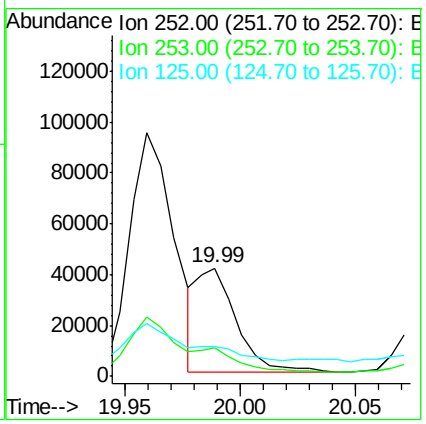


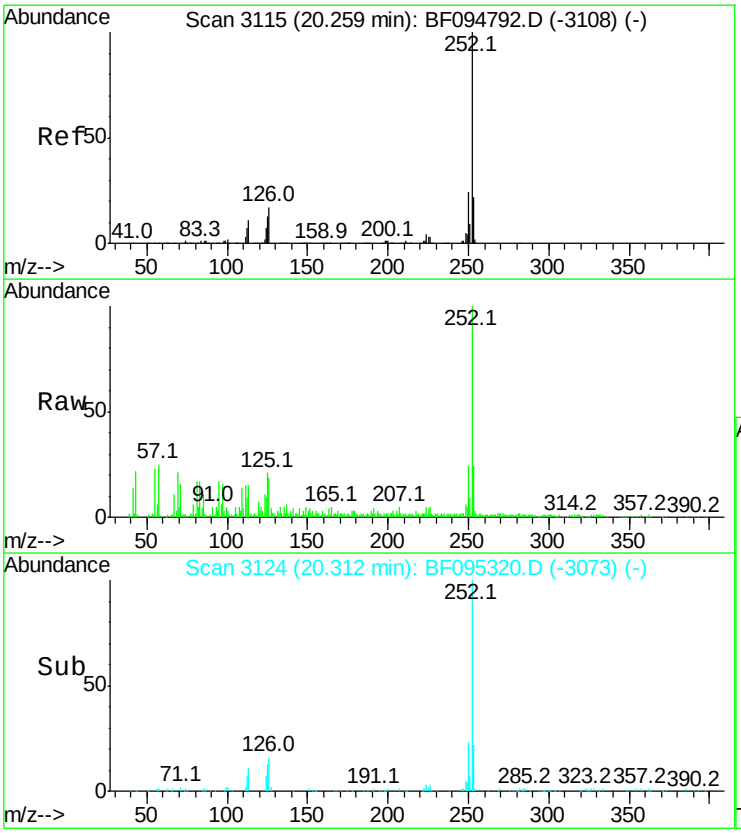
#88
Benzo(k)fluoranthene
Concen: 4.41 ng m
RT: 19.99 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:252 Resp: 48328

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.4	27.6
125	27.2	13.1	19.7#

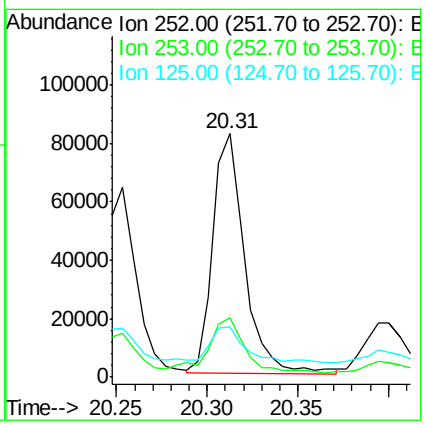


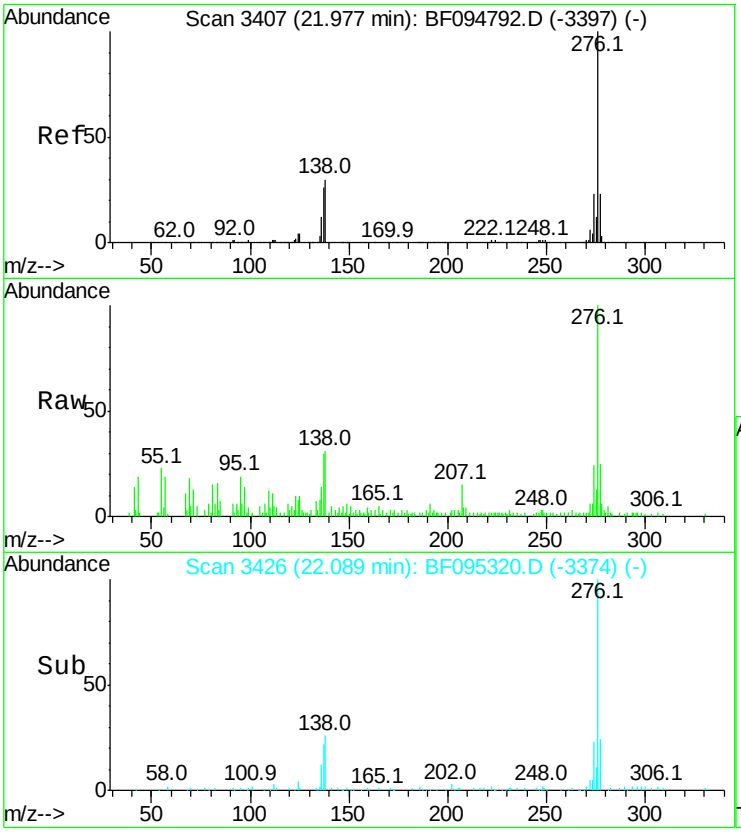


#89
Benzo(a)pyrene
Concen: 9.60 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:252 Resp: 100490

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	20.5	11.0	16.4#





#91
Benzo(g,h,i)perylene
Concen: 7.04 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampleId :
RO-11939

Tgt Ion:276 Resp: 59749

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	30.8	25.4	38.0