Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
Data File : BF116404.D
Acq On : 19 Aug 2019 22:50
Operator : HP/JU
Sample : K4290-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-4

Quant Time: Aug 20 01:44:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 06:03:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109715	20.00	ng		-0.01
21) Naphthalene-d8	8.08	136	425101	20.00	ng		-0.02
39) Acenaphthene-d10	9.83	164	232356	20.00	ng		-0.02
64) Phenanthrene-d10	11.32	188	429245	20.00	ng		-0.02
76) Chrysene-d12	13.96	240	312991	20.00	ng		-0.02
87) Perylene-d12	15.42	264	301523	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	495270	75.57	ng		0.00
7) Phenol-d6	6.45	99	695296	84.09	ng		-0.02
23) Nitrobenzene-d5	7.37	82	523286	71.06	ng		-0.02
42) 2,4,6-Tribromophenol	10.63	330	162706	72.23	ng		-0.02
45) 2-Fluorobiphenyl	9.15	172	933973	75.29	ng		-0.02
79) Terphenyl-d14	12.90	244	1060685	71.41	ng		-0.02
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	69402	13.545	ng	#	77
25) Isophorone	7.37	82	523286	37.160	ng	#	65
50) Dimethylphthalate	9.55	163	213165	13.474	ng		99
57) 2,4-Dinitrotoluene	9.83	165	29219	6.383	ng	#	20
67) 4-Bromophenyl-phenylether	10.63	248	9513	2.070	ng	#	1
71) Phenanthrene	11.35	178	84033	3.829	ng		98
75) Fluoranthene	12.54	202	143082	6.228	ng		100
78) Pyrene	12.77	202	126026	5.342	ng		98
81) Benzo(a)anthracene	13.95	228	58426	2.921	ng		96
83) Chrysene	13.99	228	59647	3.071	ng		98
86) Indeno(1,2,3-cd)pyrene	16.91	276	36298	2.225	ng	#	94
88) Benzo(b)fluoranthene	15.01	252	79336	4.551	ng	#	96
89) Benzo(k)fluoranthene	15.01	252	79390	4.675	ng	#	95
90) Benzo(a)pyrene	15.37	252	45753	2.936	ng	#	96
92) Benzo(g,h,i)perylene	17.34	276	36384	2.746	ng	#	91

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

Quantitation Report (Not Reviewed)

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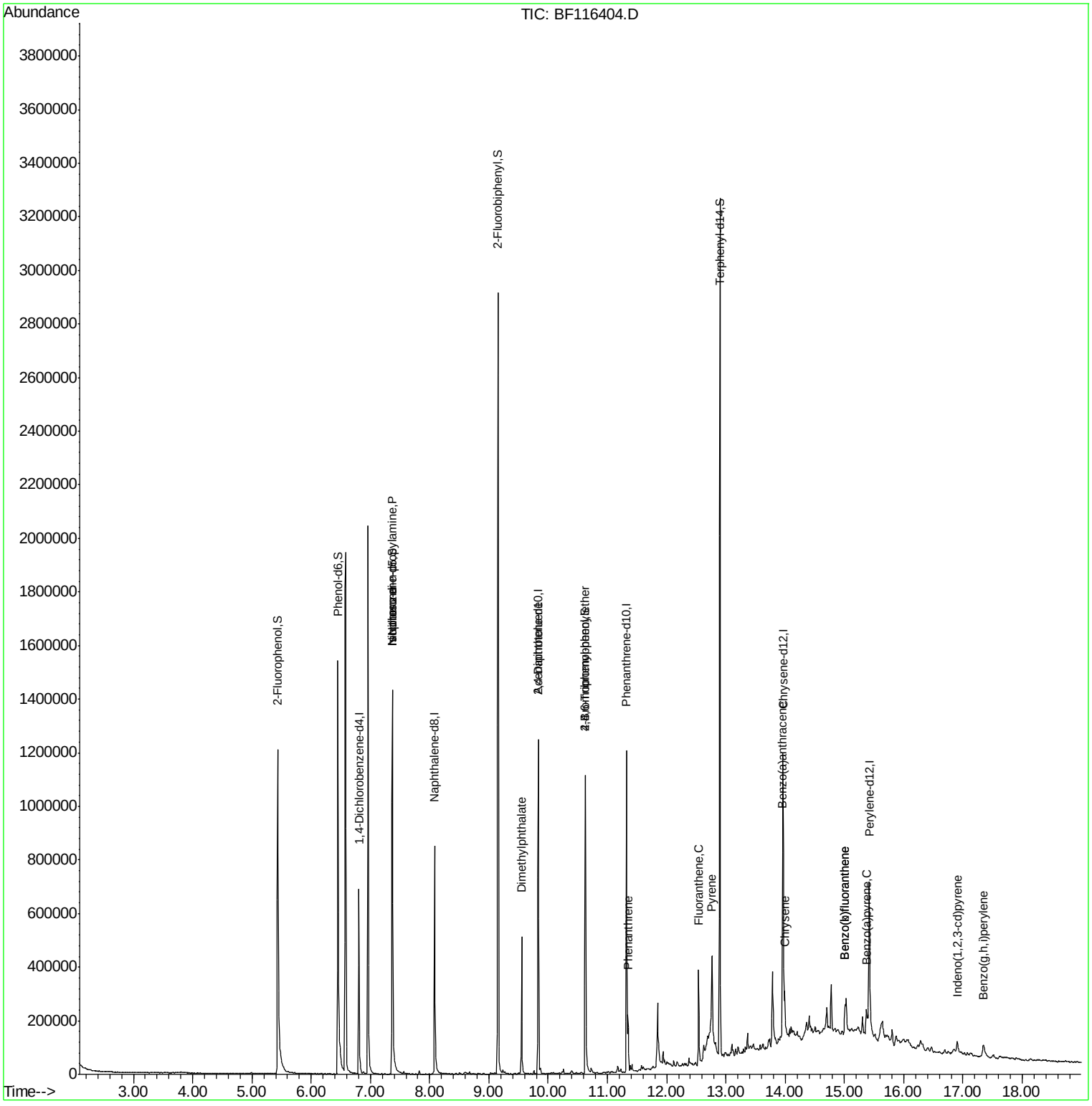
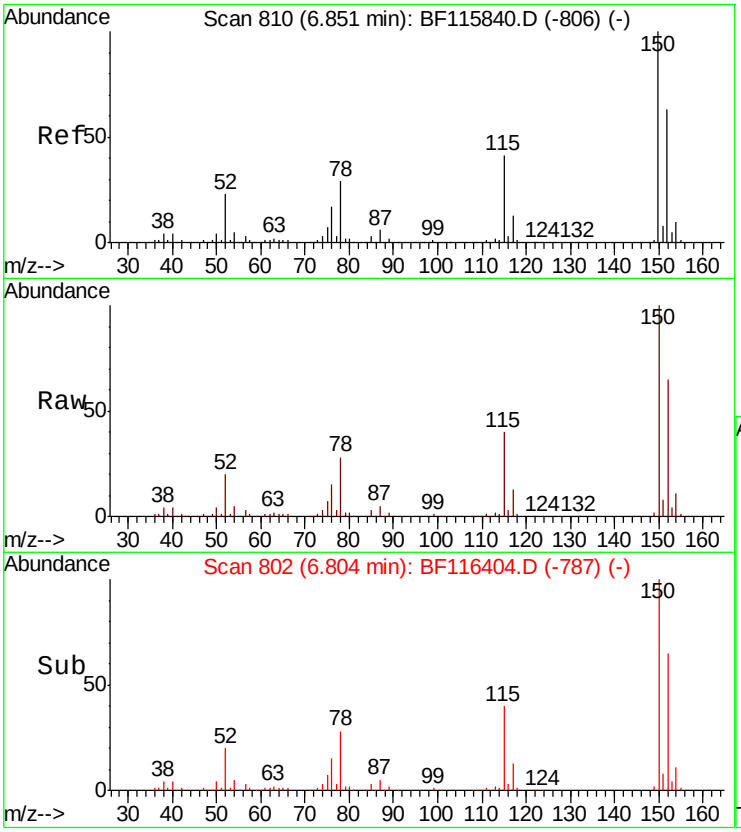


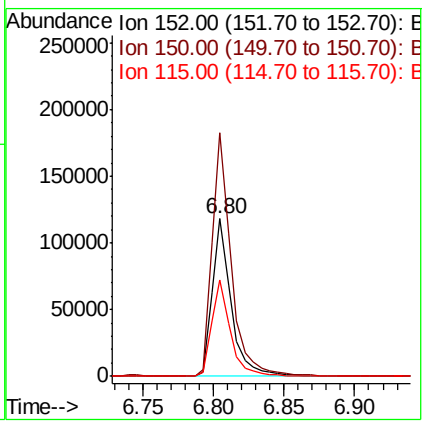


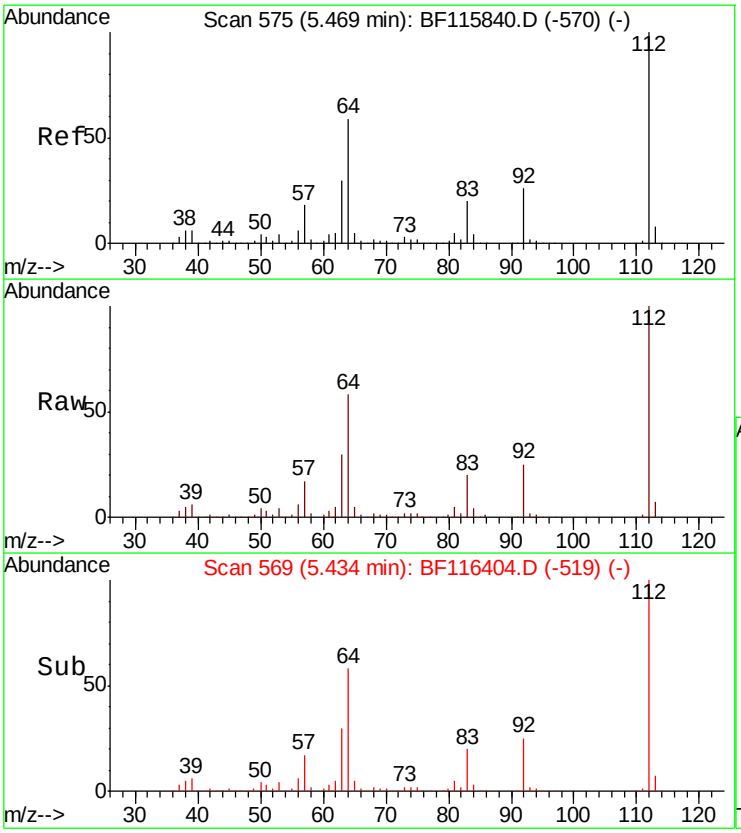
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:152 Resp: 109715

Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	61.4	49.9	74.9

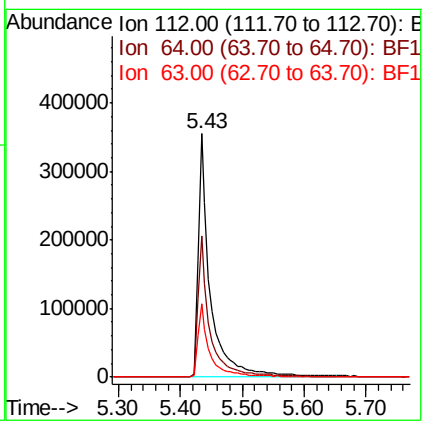


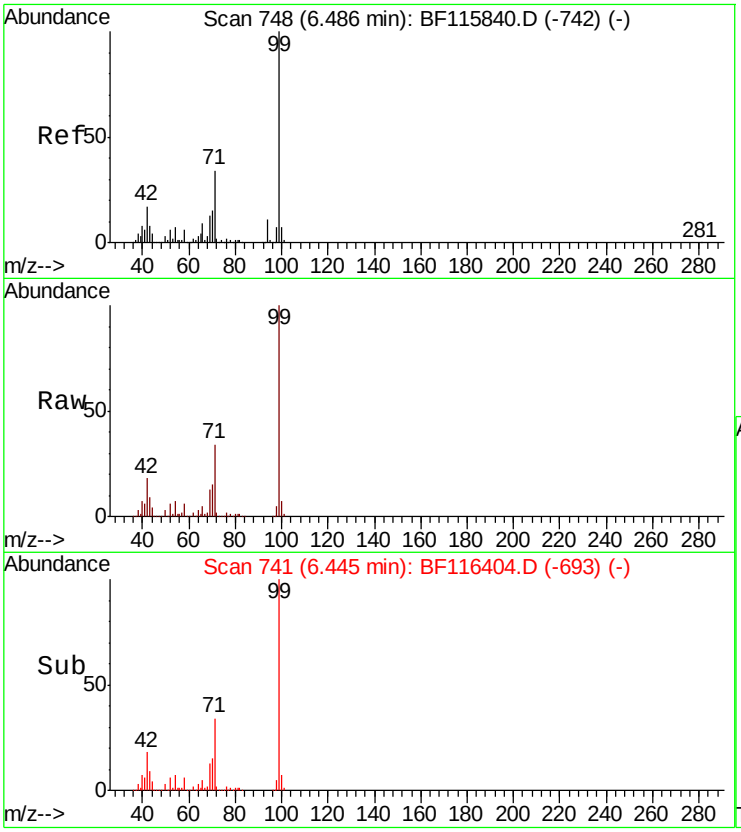


#5
2-Fluorophenol
Concen: 75.570 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:112 Resp: 495270

Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.4	68.2
63	30.2	23.7	35.5



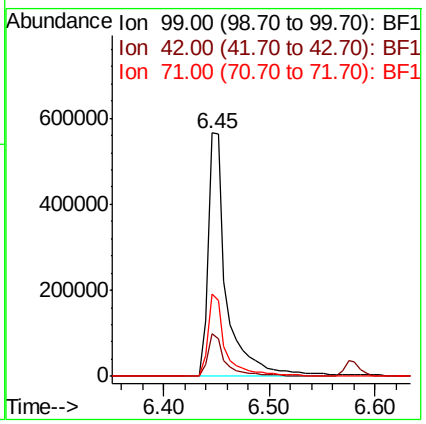


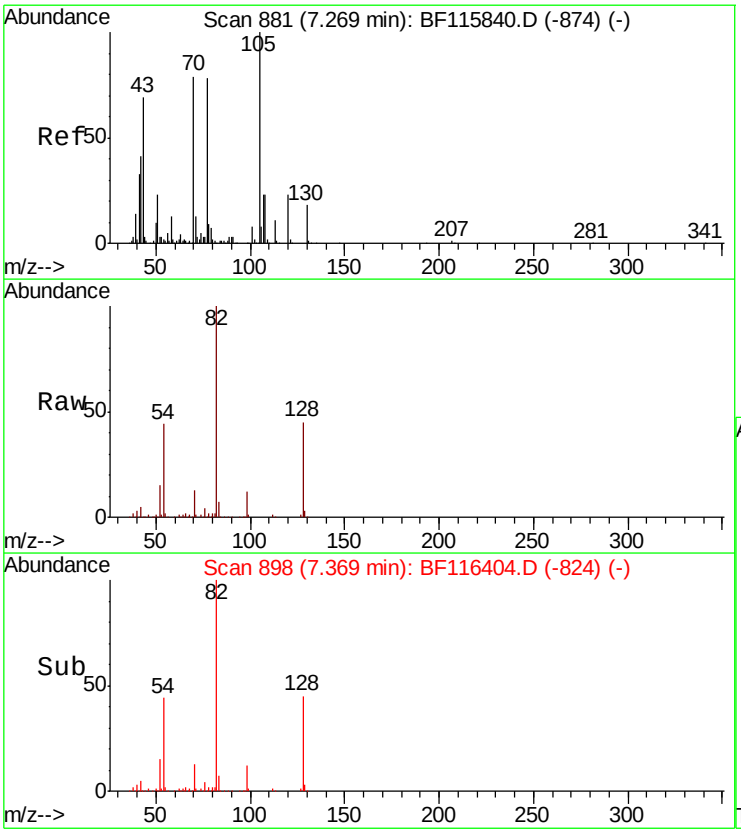
#7
Phenol-d6
Concen: 84.087 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion: 99 Resp: 695296

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.8	20.8
71	34.0	27.3	40.9

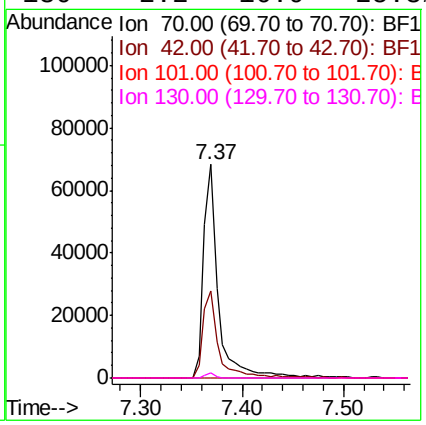


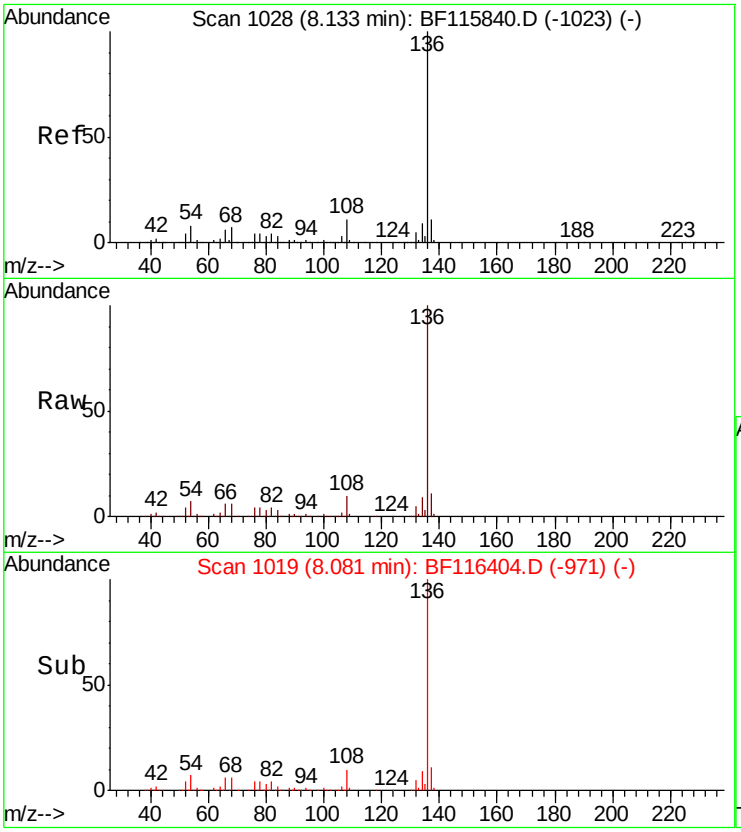


#19
n-Nitroso-di-n-propylamine
Concen: 13.545 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion: 70 Resp: 69402

Ion	Ratio	Lower	Upper
70	100		
42	41.1	40.9	61.3
101	0.0	7.9	11.9#
130	2.2	16.9	25.3#



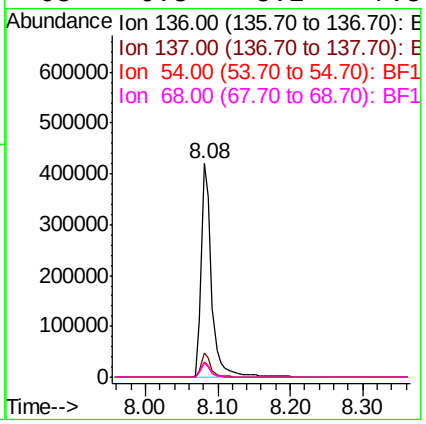


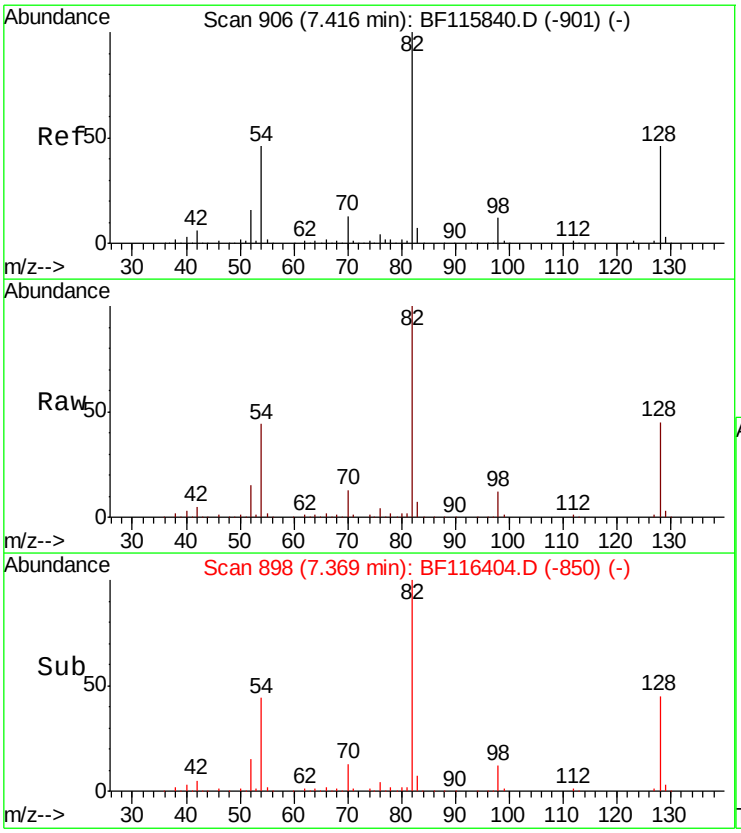
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:136 Resp: 425101

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.4	5.8	8.6
68	6.3	5.2	7.8

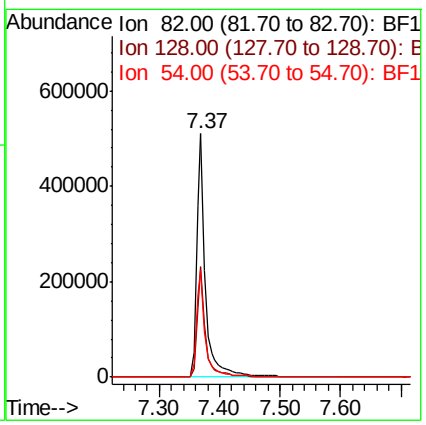


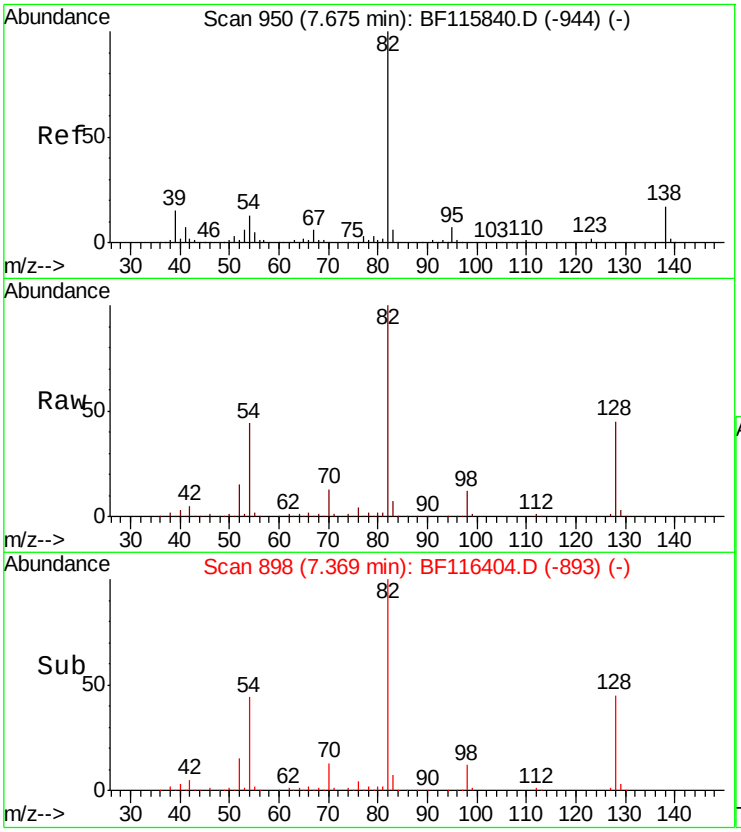


#23
Nitrobenzene-d5
Concen: 71.055 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion: 82 Resp: 523286

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.5	54.7
54	43.8	36.0	54.0



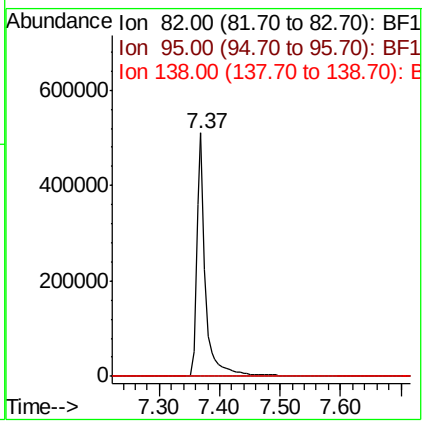


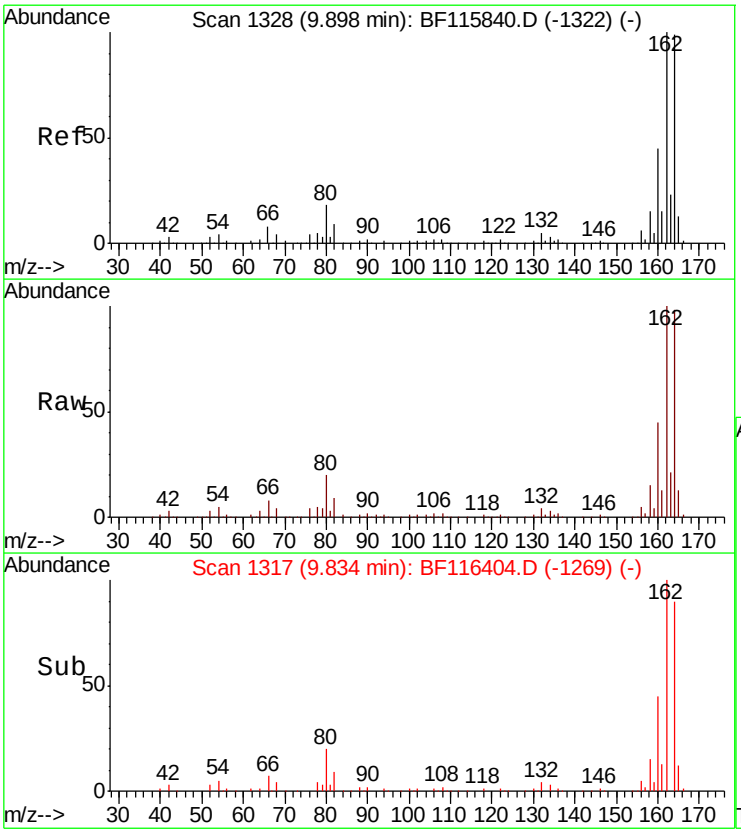
#25
Isophorone
Concen: 37.160 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion: 82 Resp: 523286

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.5	21.7#

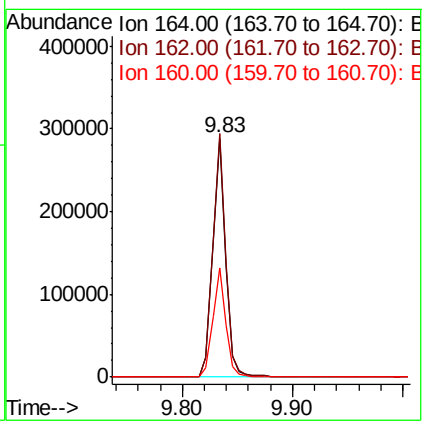


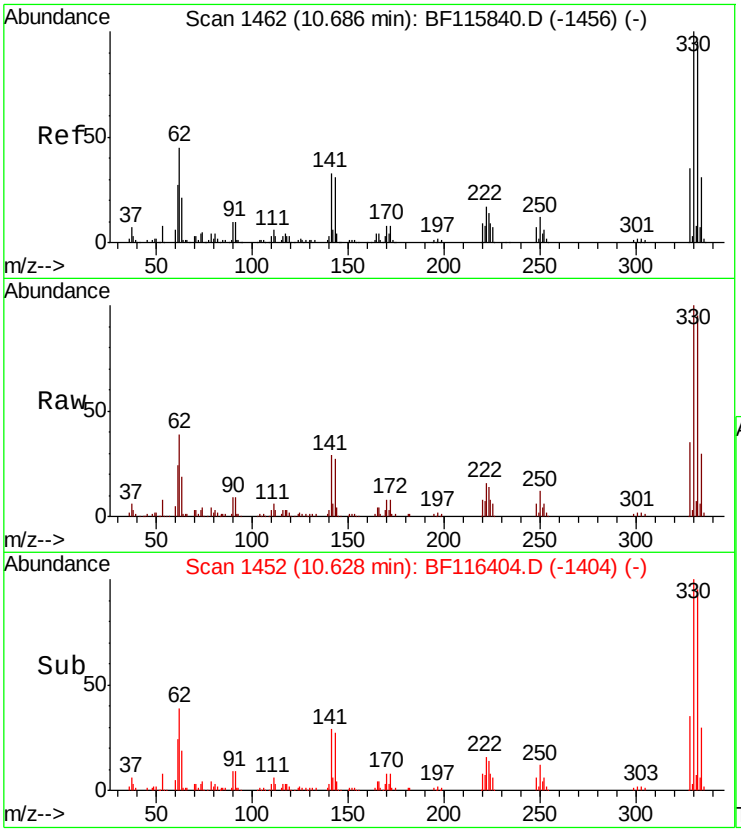


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:164 Resp: 232356

Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	124.0
160	45.6	37.6	56.4



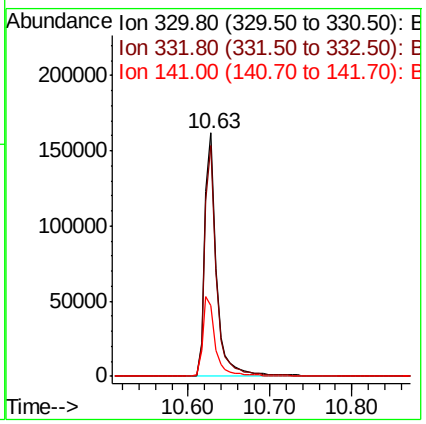


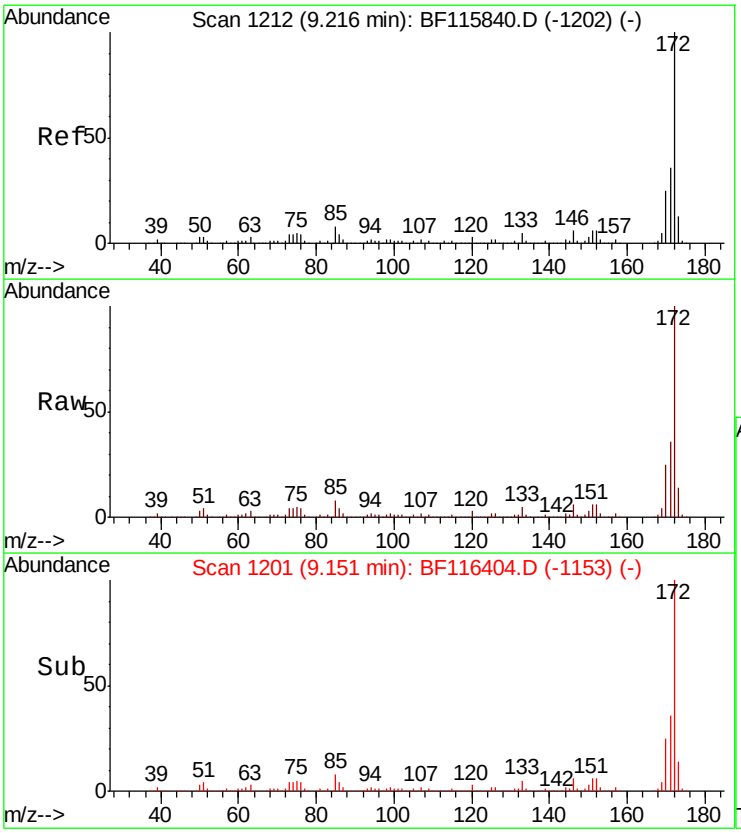
#42
2,4,6-Tribromophenol
Concen: 72.225 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:330 Resp: 162706

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.8	115.2
141	35.3	26.3	39.5

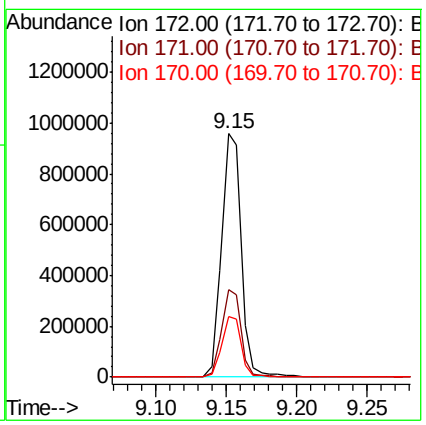


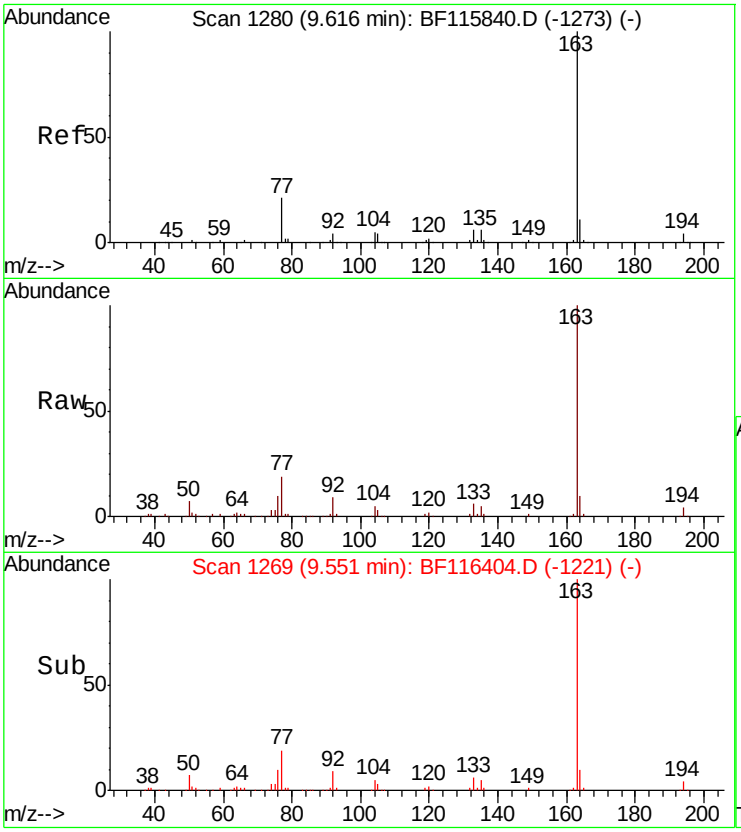


#45
2-Fluorobiphenyl
Concen: 75.290 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:172 Resp: 933973

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.8	20.1	30.1



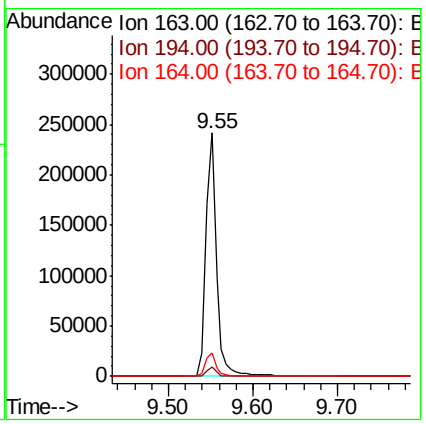


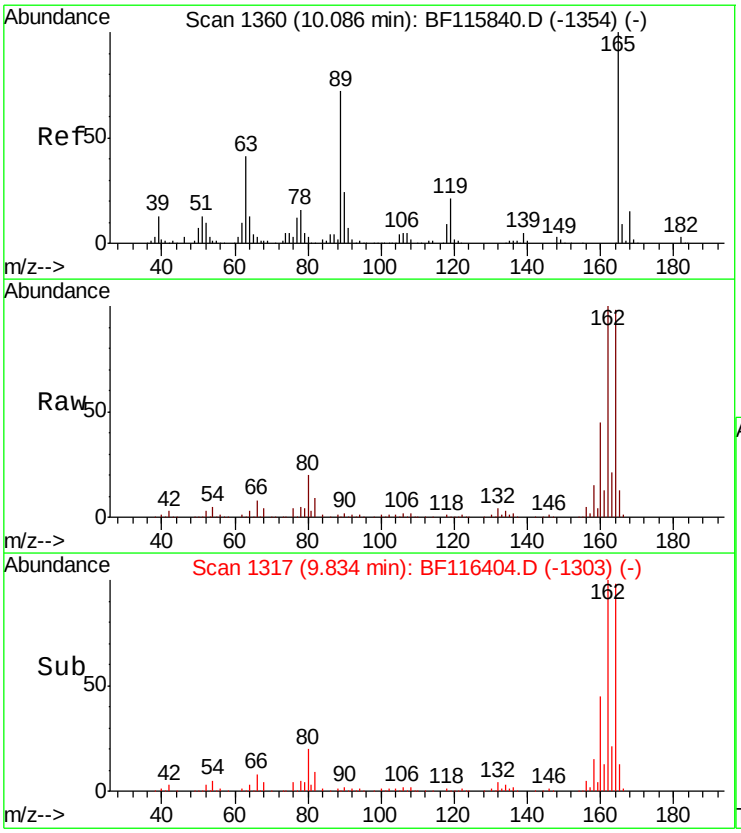
#50
Dimethylphthalate
Concen: 13.474 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:163 Resp: 213165

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.8	8.4	12.6

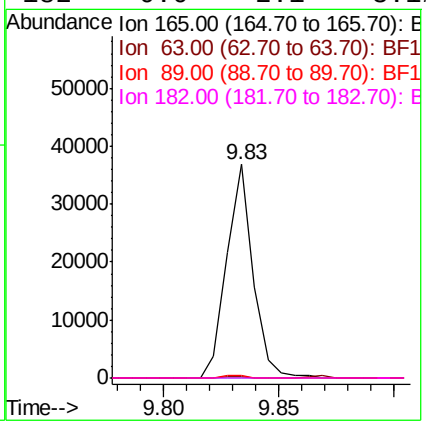


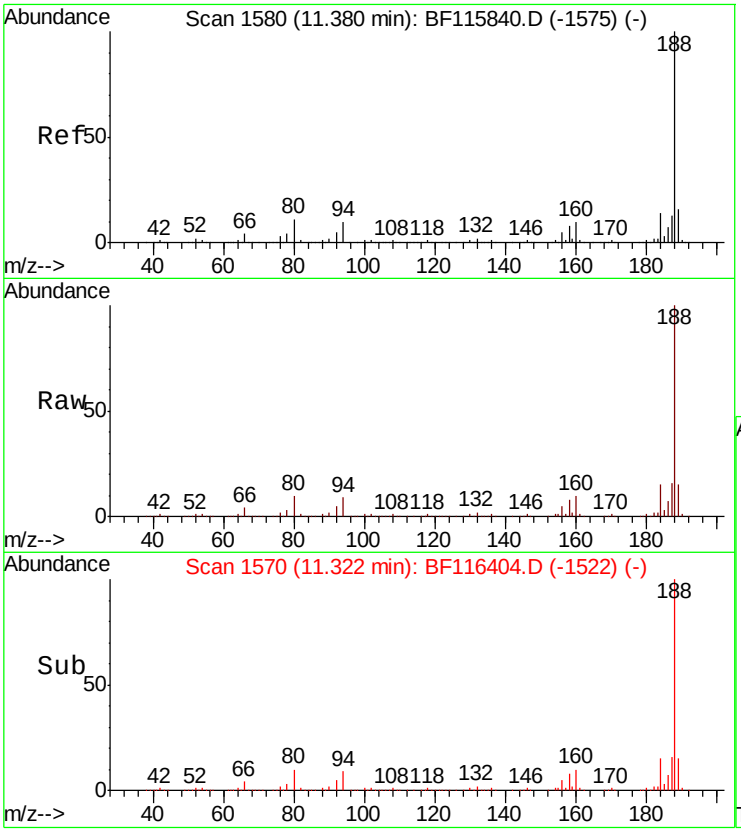


#57
2,4-Dinitrotoluene
Concen: 6.383 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.22 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:165 Resp: 29219

Ion	Ratio	Lower	Upper
165	100		
63	0.8	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#



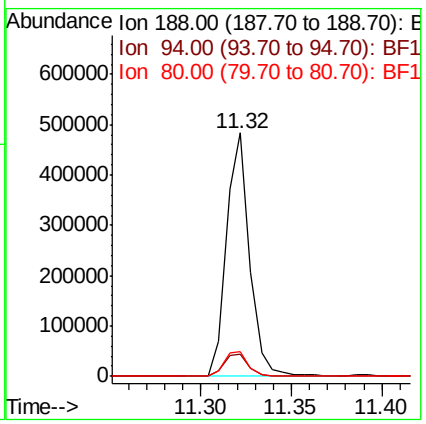


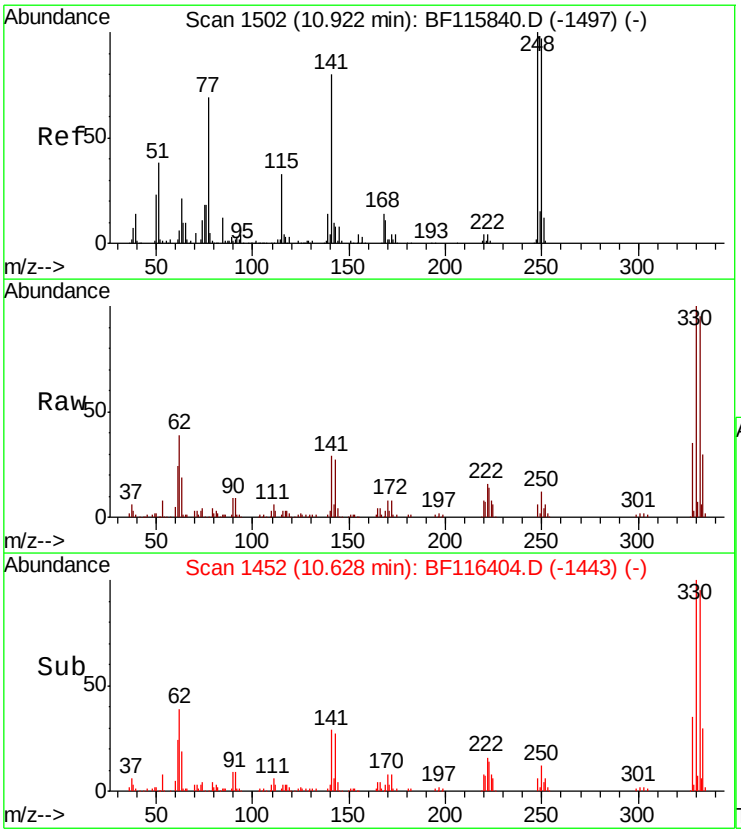
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:188 Resp: 429245

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.1	12.1
80	10.1	8.7	13.1

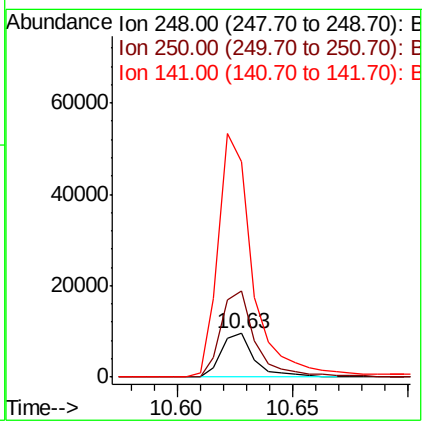


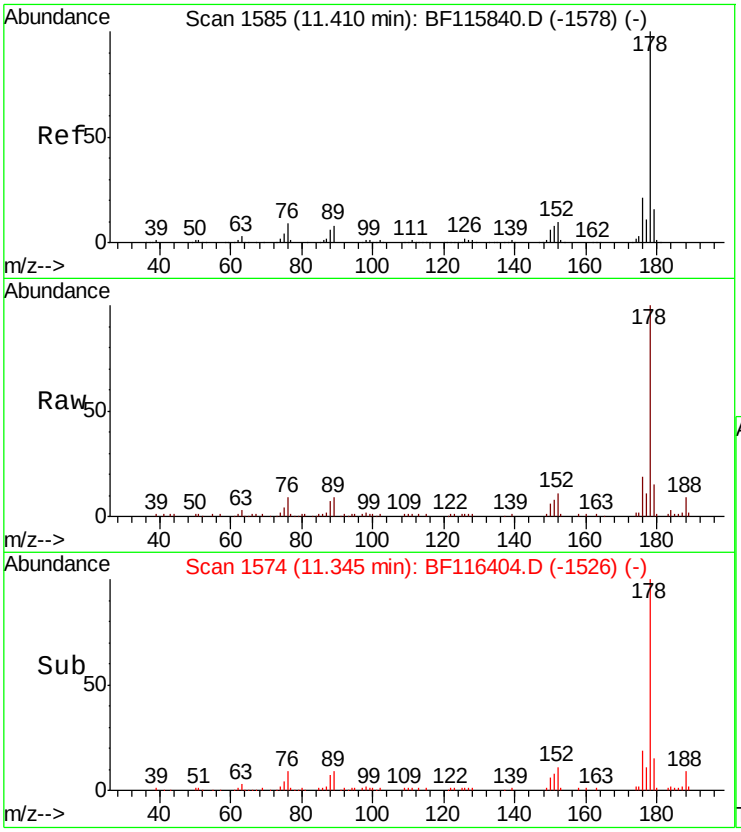


#67
4-Bromophenyl-phenylether
Concen: 2.070 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:248 Resp: 9513

Ion	Ratio	Lower	Upper
248	100		
250	197.4	77.4	116.2#
141	491.8	56.8	85.2#



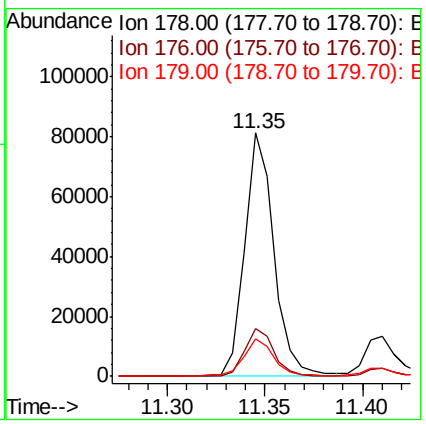


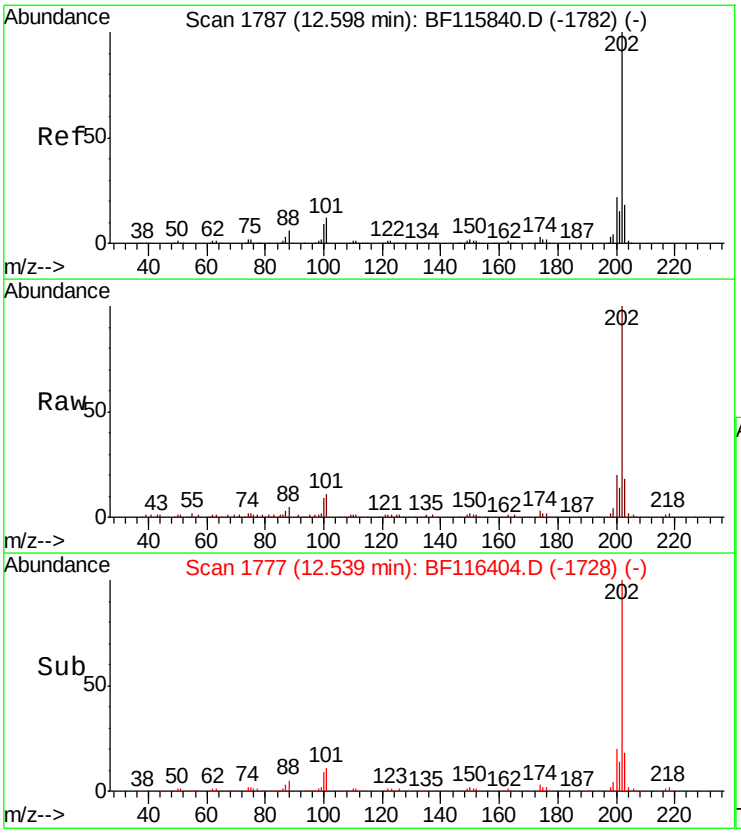
#71
Phenanthrene
Concen: 3.829 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:178 Resp: 84033

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	24.8
179	15.2	12.5	18.7

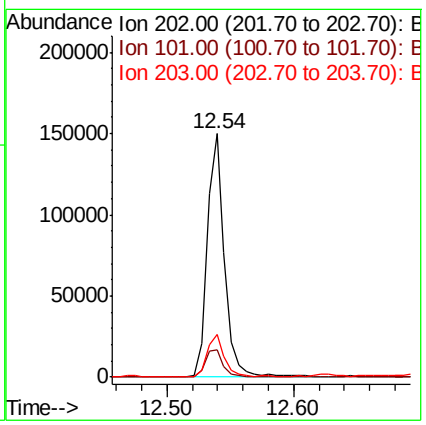


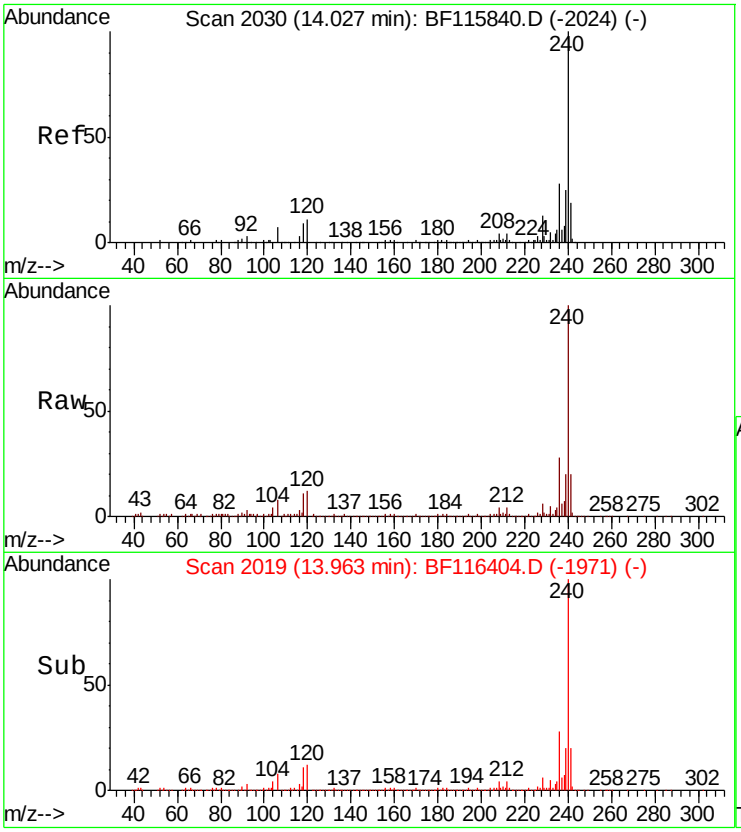


#75
Fluoranthene
Concen: 6.228 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:202 Resp: 143082

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.2
203	17.6	0.0	37.8



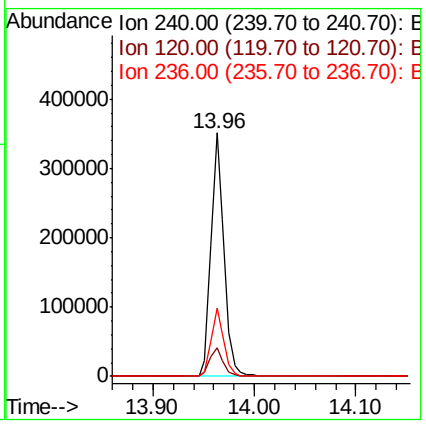


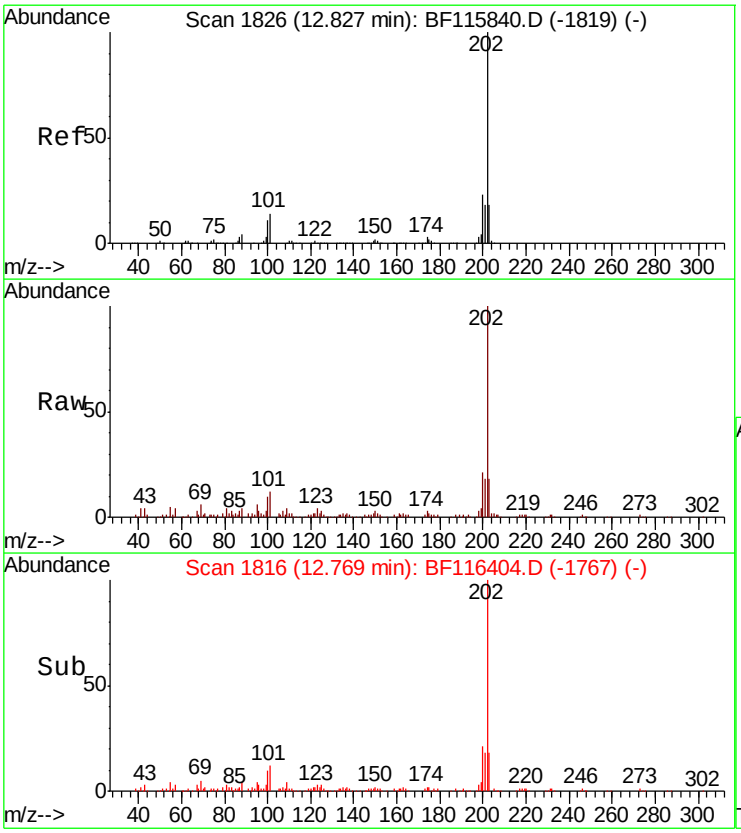
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:240 Resp: 312991

Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.7	16.1
236	28.1	22.2	33.2

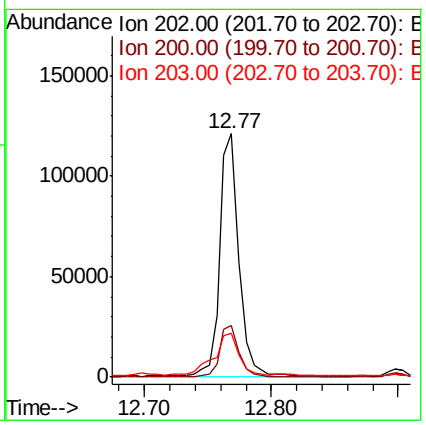


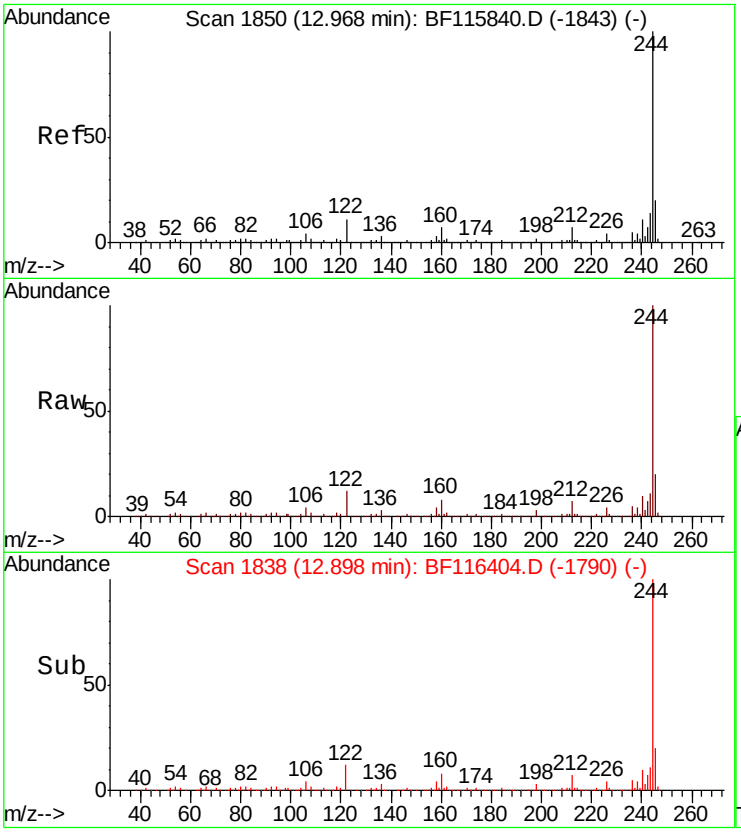


#78
Pyrene
Concen: 5.342 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:202 Resp: 126026

Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.0	27.0
203	18.0	14.1	21.1



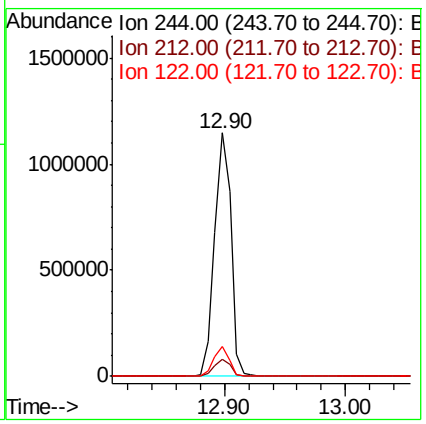


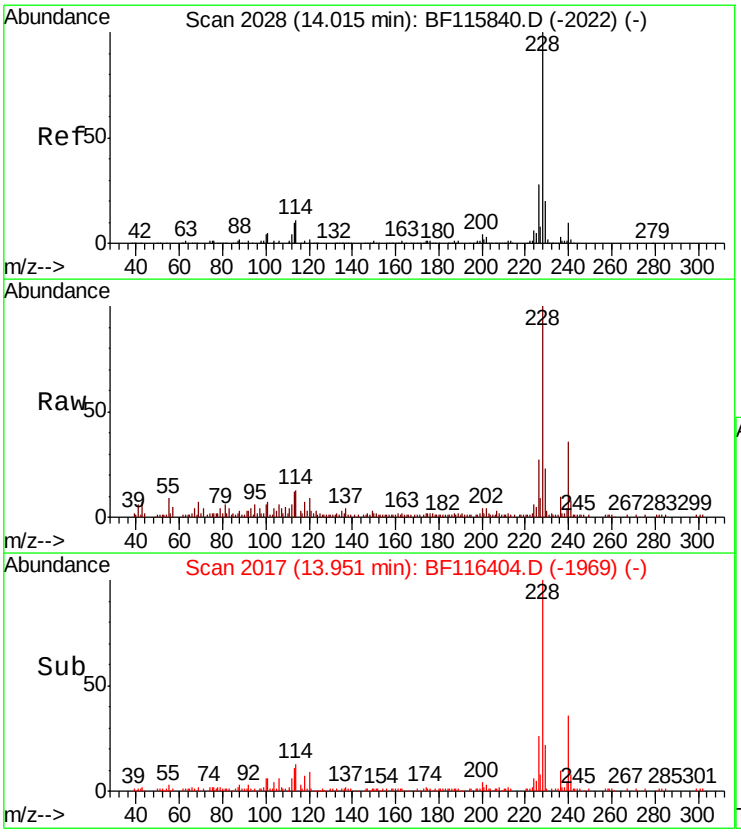
#79
Terphenyl-d14
Concen: 71.409 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:244 Resp: 1060685

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.1	9.0	13.4

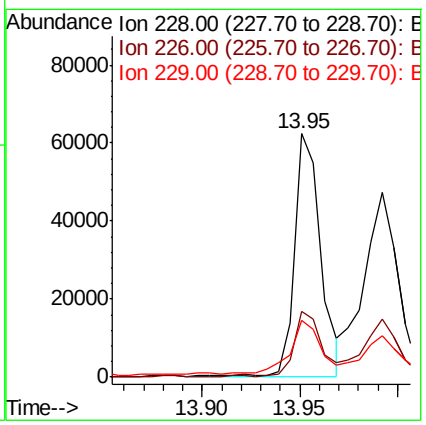


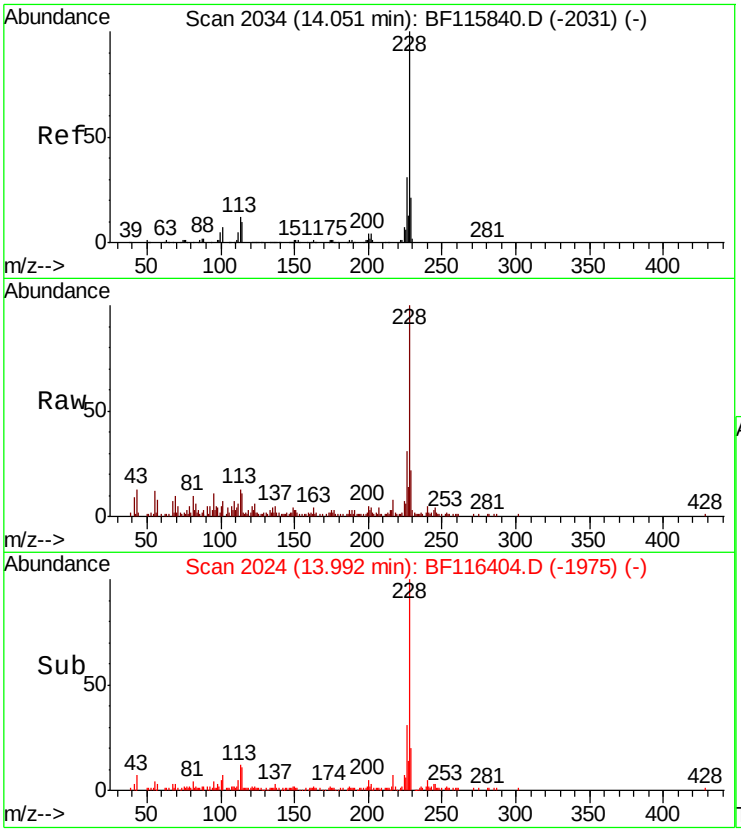


#81
Benzo(a)anthracene
Concen: 2.921 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:228 Resp: 58426

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.7	34.1
229	23.3	16.2	24.4



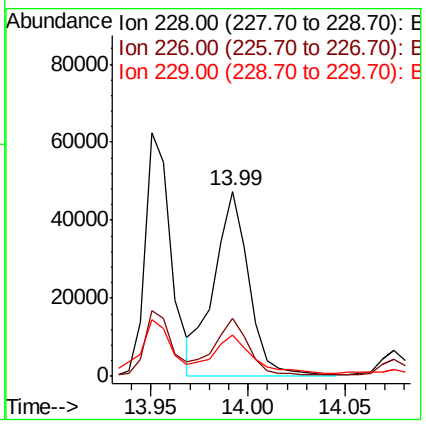


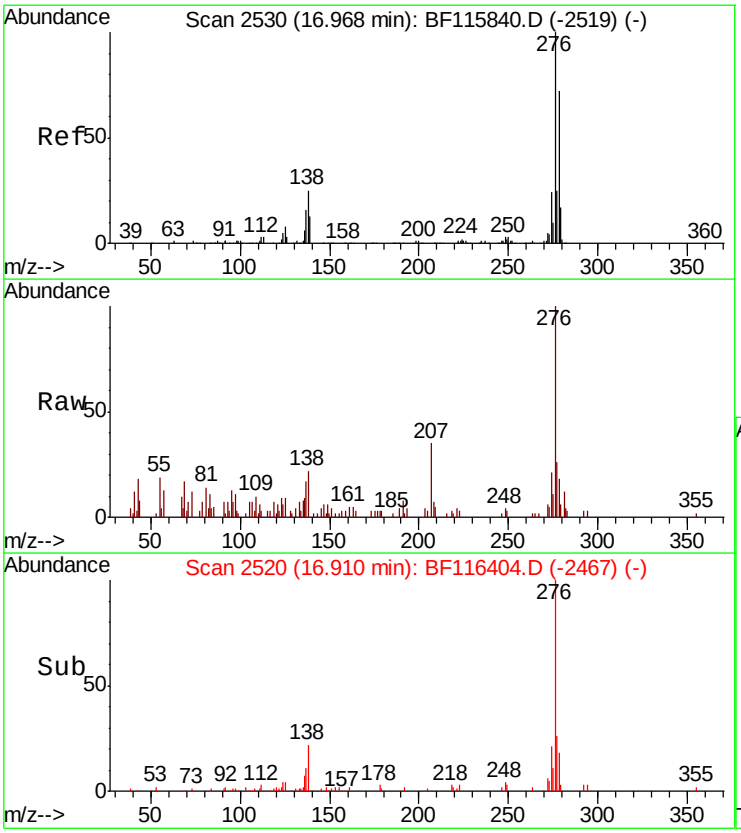
#83
Chrysene
Concen: 3.071 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:228 Resp: 59647

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	22.1	16.6	24.8

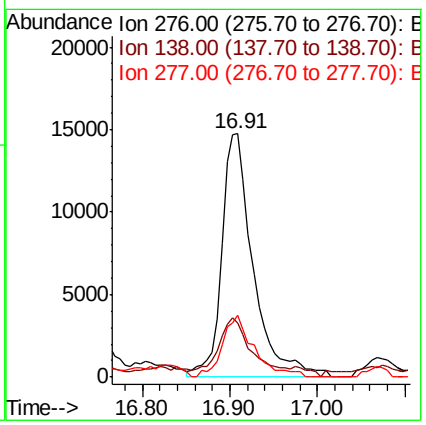


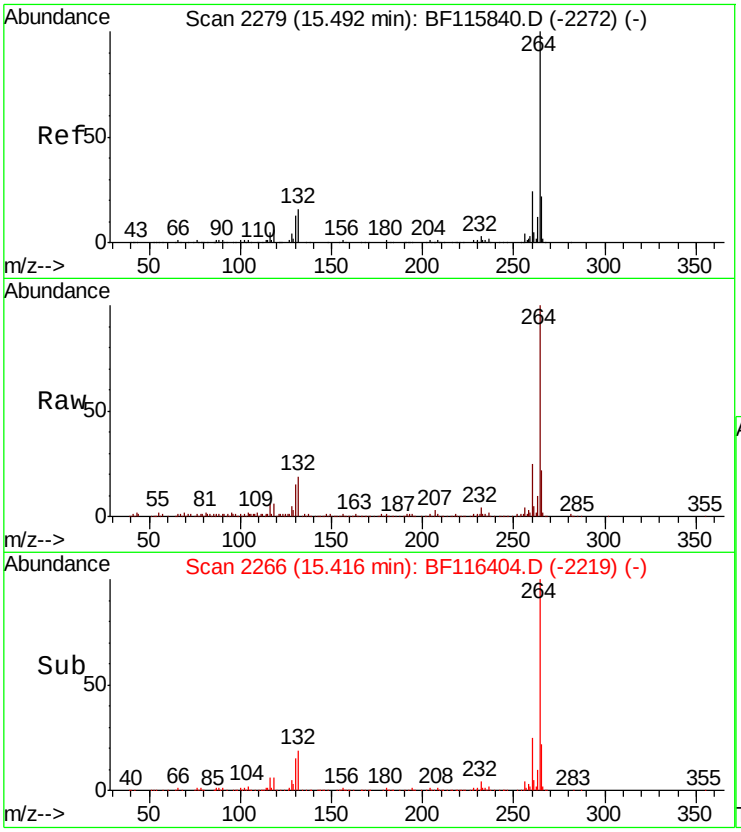


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.225 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:276 Resp: 36298

Ion	Ratio	Lower	Upper
276	100		
138	20.0	20.4	30.6#
277	25.7	20.0	30.0



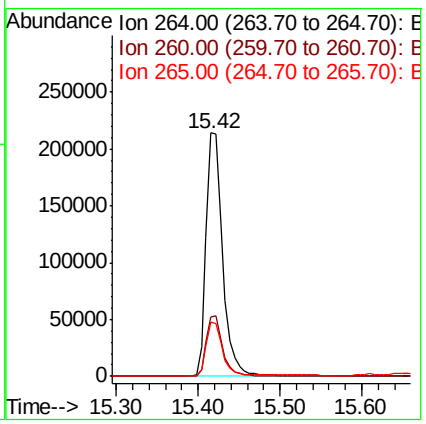


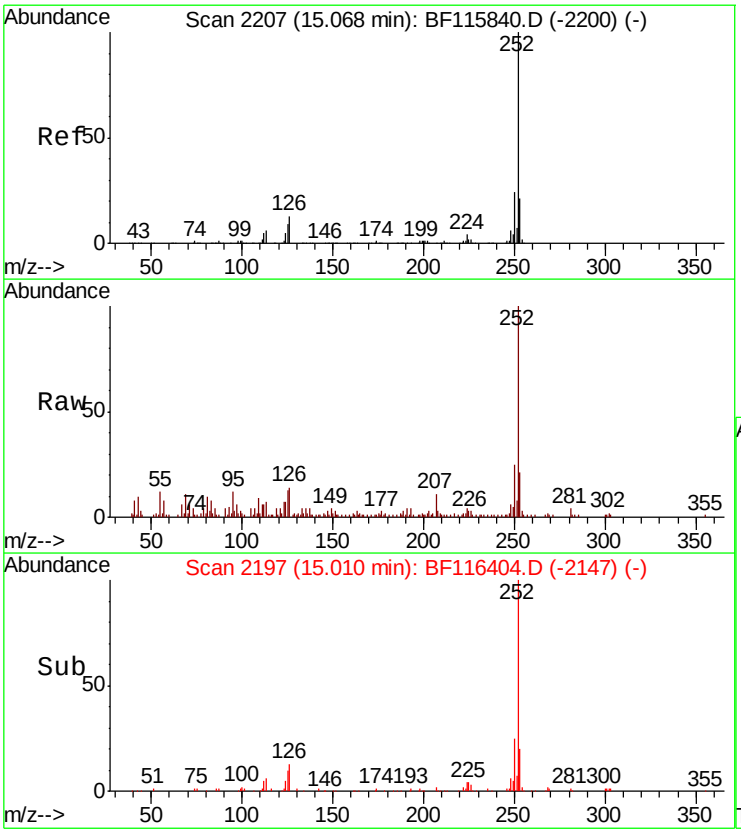
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:264 Resp: 301523

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	22.4	17.4	26.0

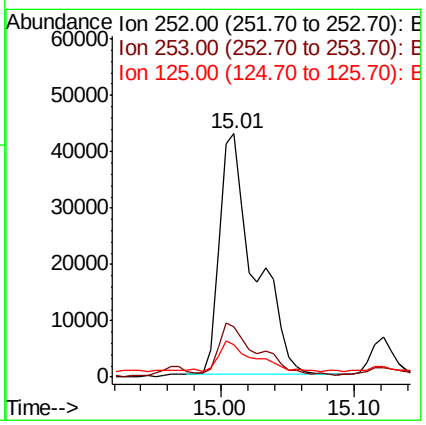


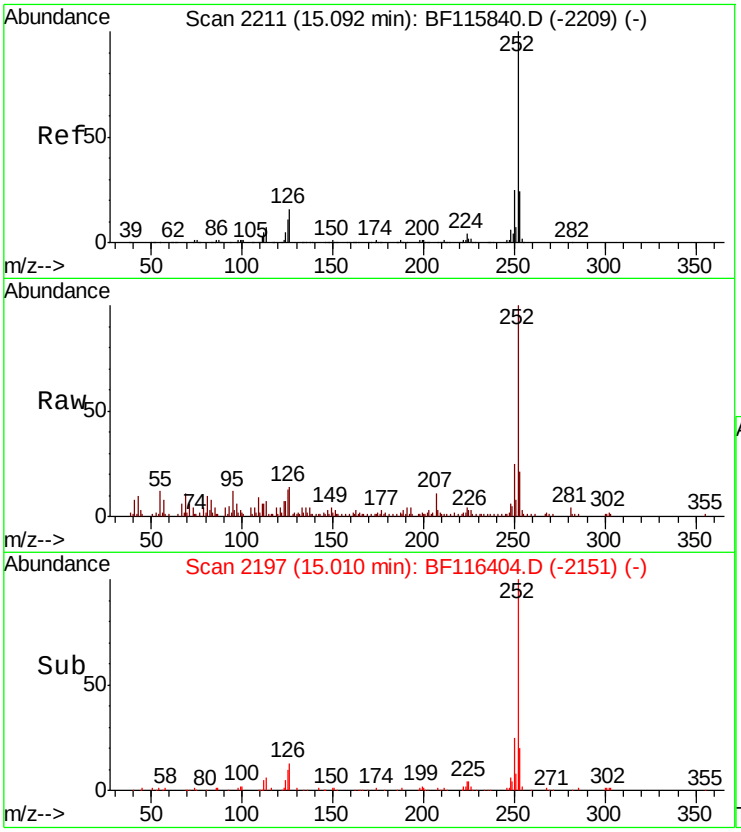


#88
Benzo(b)fluoranthene
Concen: 4.551 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:252 Resp: 79336

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.8
125	13.3	8.4	12.6#



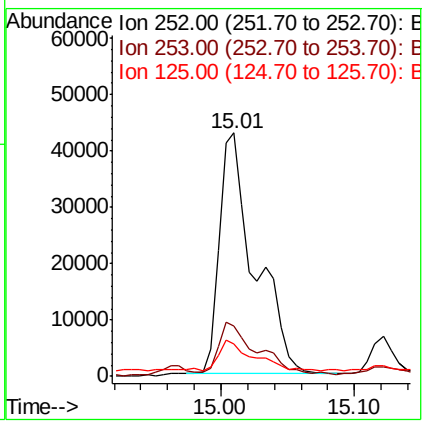


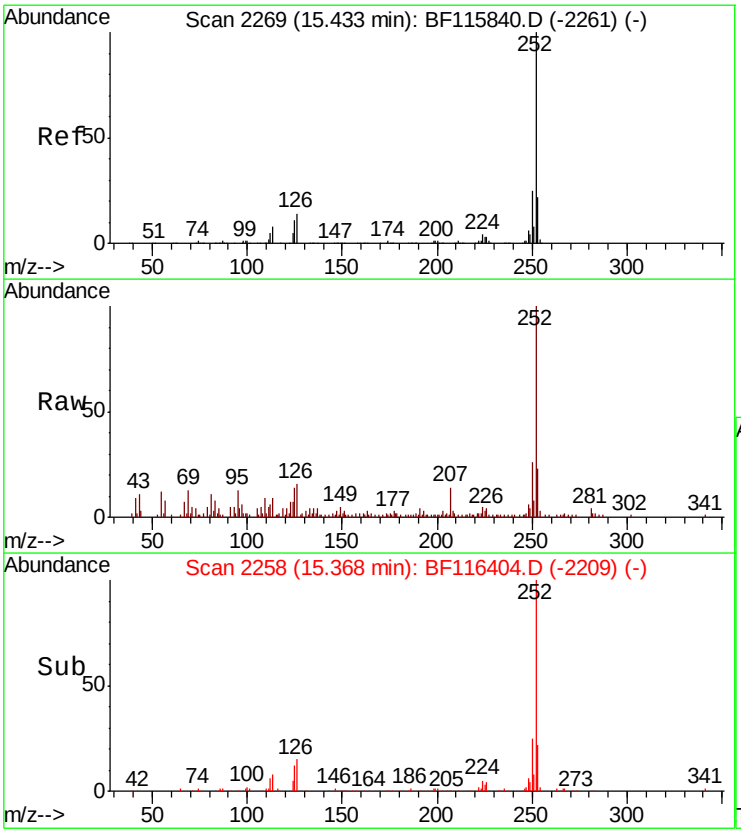
#89
Benzo(k)fluoranthene
Concen: 4.675 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:252 Resp: 79390

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.8
125	13.3	7.7	11.5#

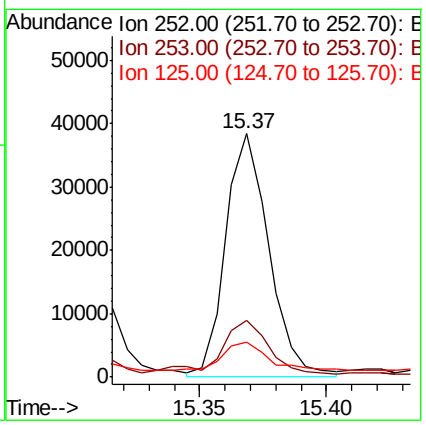


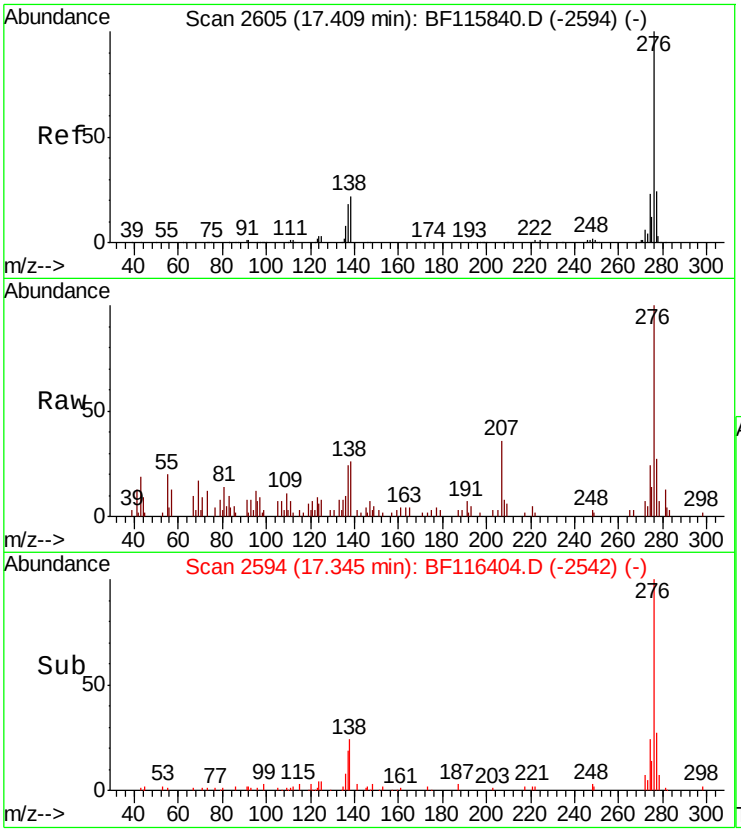


#90
Benzo(a)pyrene
Concen: 2.936 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Tgt Ion:252 Resp: 45753

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.4	8.9	13.3#





#92
Benzo(g,h,i)perylene
Concen: 2.746 ng
RT: 17.34 min Scan# 2594
Delta R.T. 0.01 min
Lab File: BF116404.D
Acq: 19 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
B-4

Tgt Ion:276 Resp: 36384

Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.4	27.6
138	26.1	17.0	25.6#