Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
Data File : BF097641.D
Acq On : 12 Aug 2017 18:42
Operator : SJ/JU
Sample : I4700-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-080917-C

Quant Time: Aug 14 05:20:53 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 11 15:55:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	104224	20.00	ng		-0.01
21) Naphthalene-d8	9.53	136	473762	20.00	ng		-0.01
38) Acenaphthene-d10	12.35	164	165605	20.00	ng		-0.02
63) Phenanthrene-d10	14.74	188	245717	20.00	ng		-0.02
75) Chrysene-d12	18.44	240	190234	20.00	ng		-0.02
86) Perylene-d12	20.11	264	189279	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	123753	18.87	ng		0.04
7) Phenol-d6	7.07	99	147839	18.18	ng		0.02
23) Nitrobenzene-d5	8.42	82	83107	11.00	ng		0.00
41) 2,4,6-Tribromophenol	13.65	330	18855	14.98	ng		-0.01
44) 2-Fluorobiphenyl	11.30	172	150630	13.73	ng		-0.02
78) Terphenyl-d14	17.10	244	80303	8.74	ng		-0.02
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	12.35	165	20795	7.89	ng	#	34
70) Phenanthrene	14.79	178	47474	3.35	ng		97
74) Fluoranthene	16.56	202	53863	4.21	ng		84
77) Pyrene	16.86	202	70825	4.50	ng	#	95
80) Benzo(a)anthracene	18.43	228	32564	2.93	ng		95
82) Chrysene	18.48	228	29276	2.65	ng		98
87) Benzo(b)fluoranthene	19.72	252	48994	4.31	ng	#	91
88) Benzo(k)fluoranthene	19.72	252	48994	4.28	ng	#	95
89) Benzo(a)pyrene	20.06	252	28910	2.77	ng	#	88

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

Quantitation Report (Not Reviewed)

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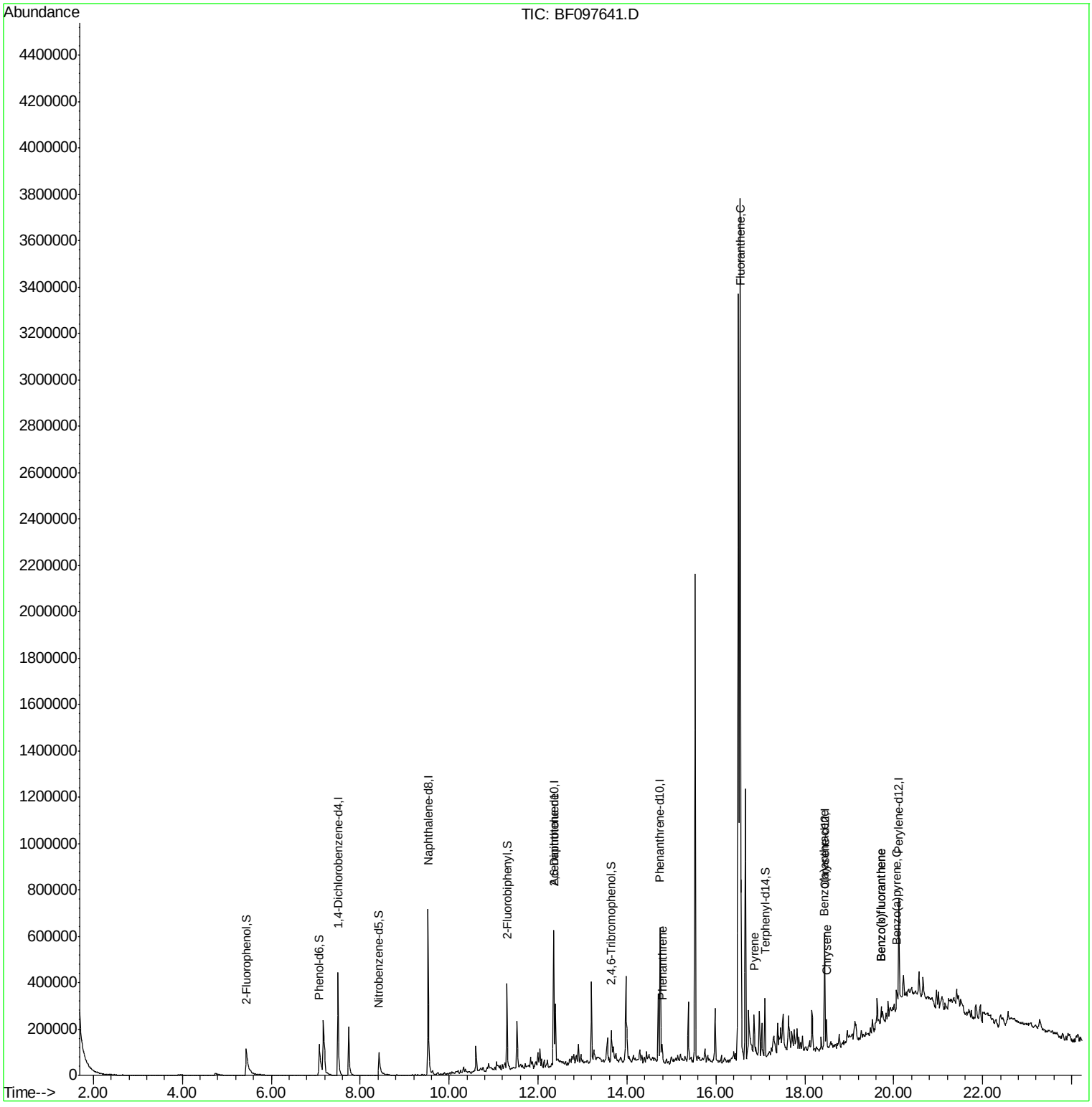
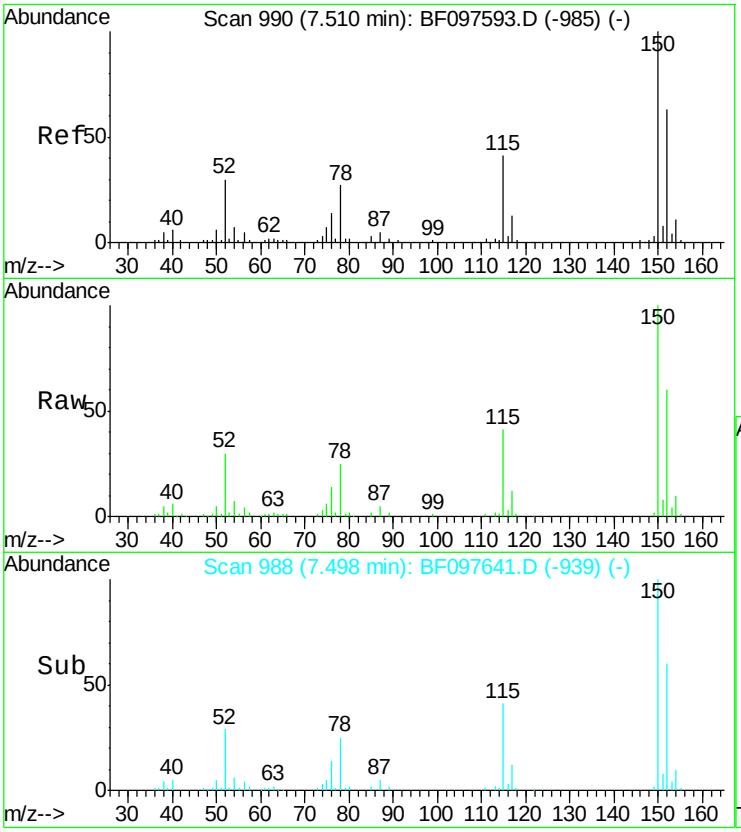


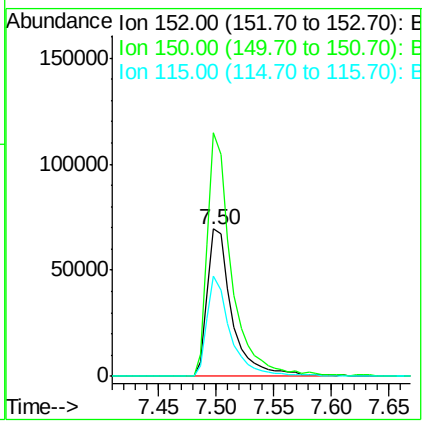


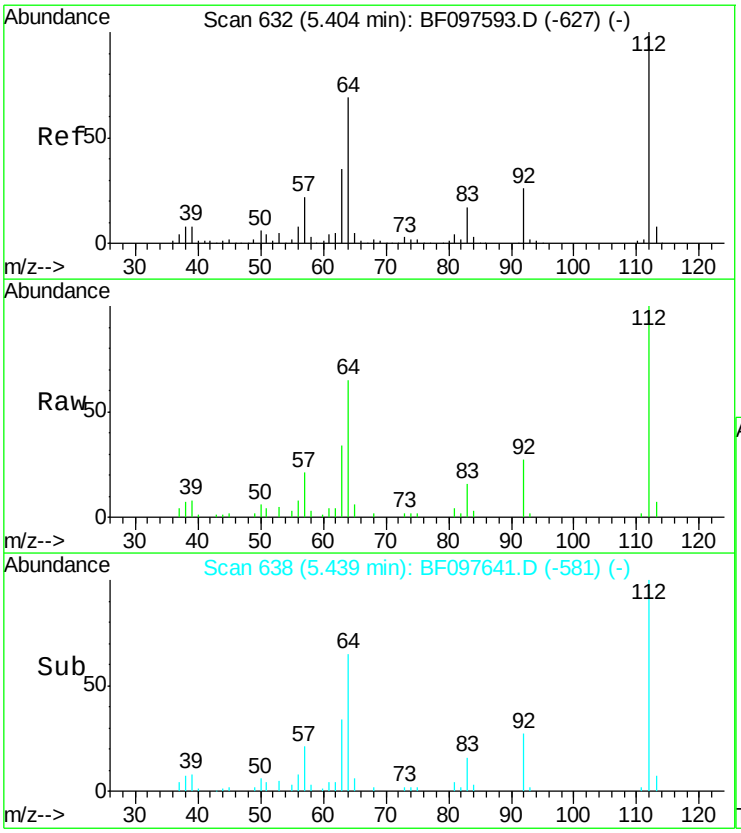
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:152 Resp: 104224

Ion	Ratio	Lower	Upper
152	100		
150	165.3	126.2	189.2
115	67.8	52.2	78.2

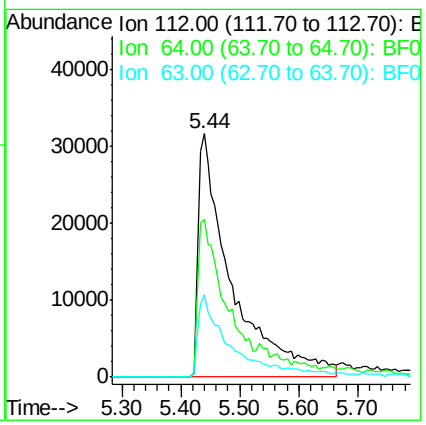


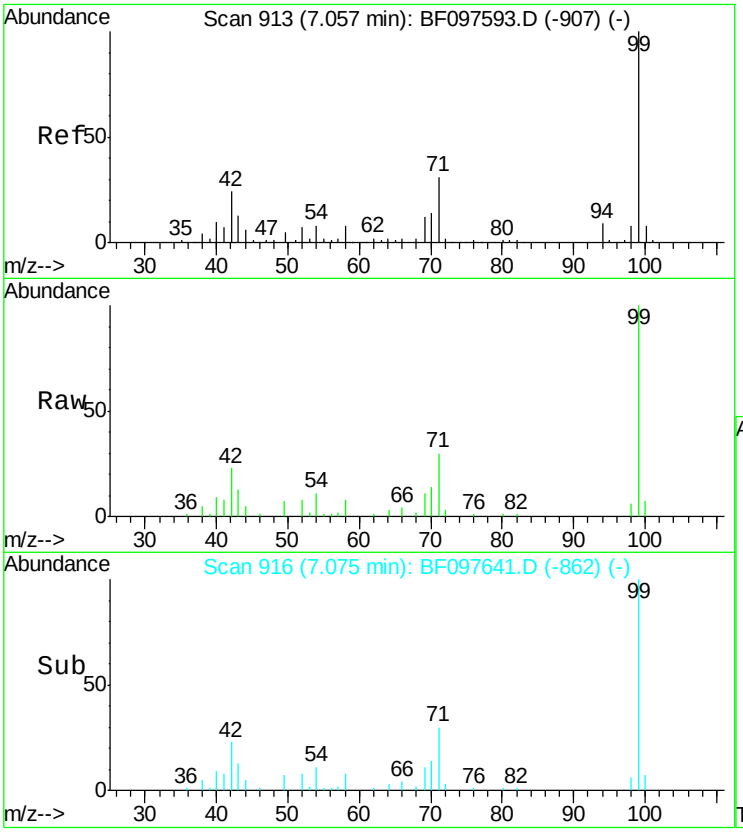


#5
2-Fluorophenol
Concen: 18.87 ng
RT: 5.44 min Scan# 638
Delta R.T. 0.04 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:112 Resp: 123753

Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	33.9	23.4	35.0



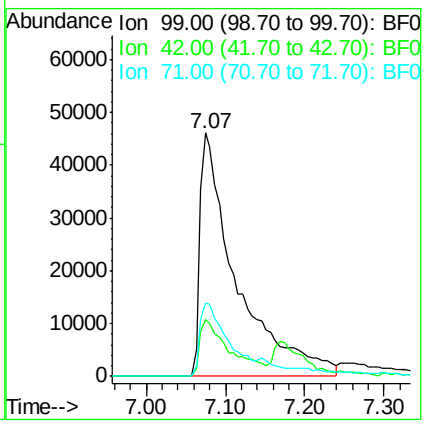


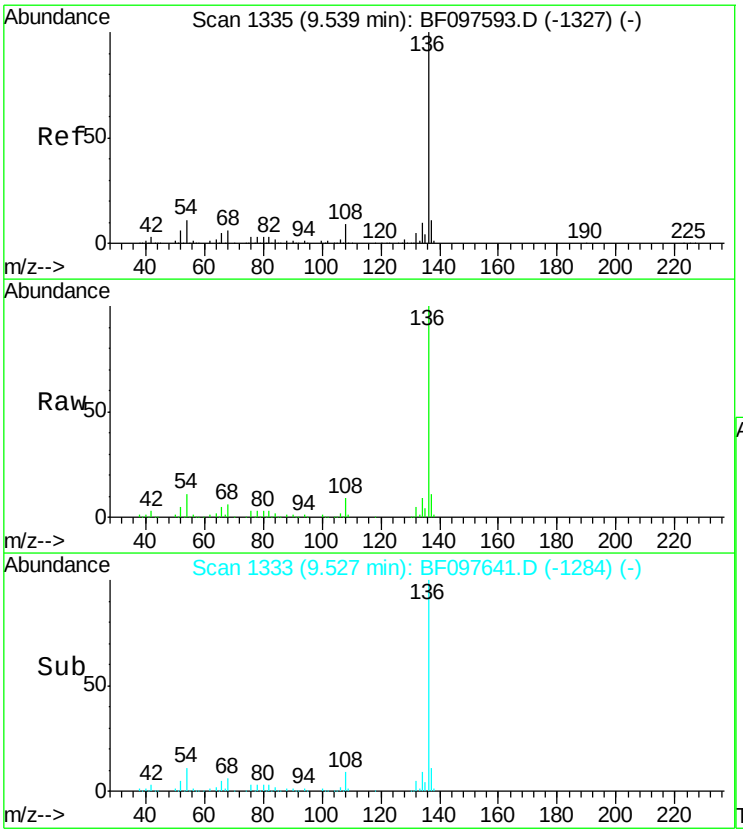
#7
Phenol-d6
Concen: 18.18 ng
RT: 7.07 min Scan# 916
Delta R.T. 0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion: 99 Resp: 147839

Ion	Ratio	Lower	Upper
99	100		
42	23.4	13.5	20.3#
71	30.4	24.5	36.7

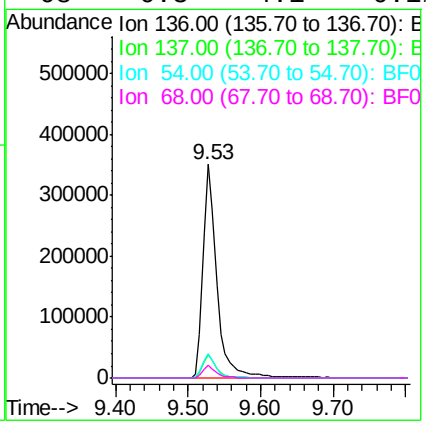


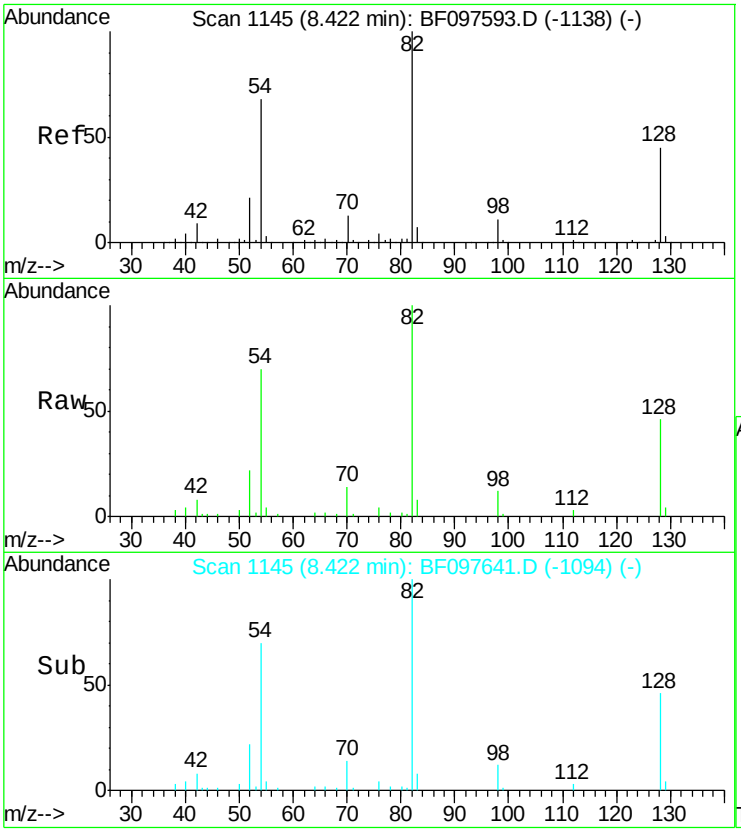


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.53 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:136 Resp: 473762

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	11.3	4.9	7.3#
68	6.3	4.1	6.1#



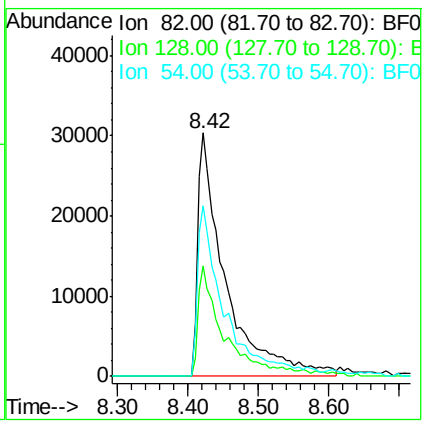


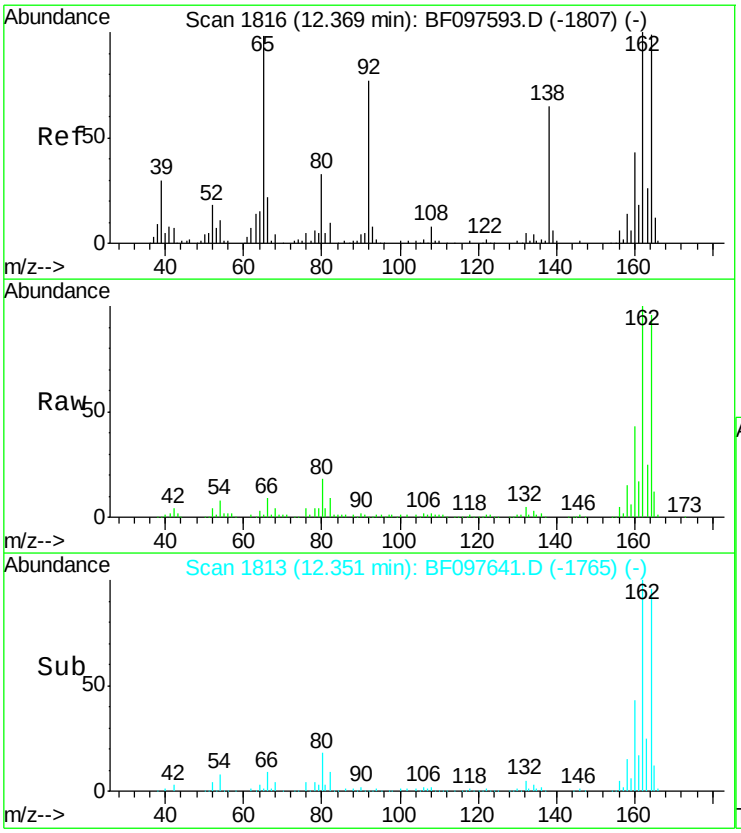
#23
Nitrobenzene-d5
Concen: 11.00 ng
RT: 8.42 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion: 82 Resp: 83107

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	70.0	42.2	63.2#

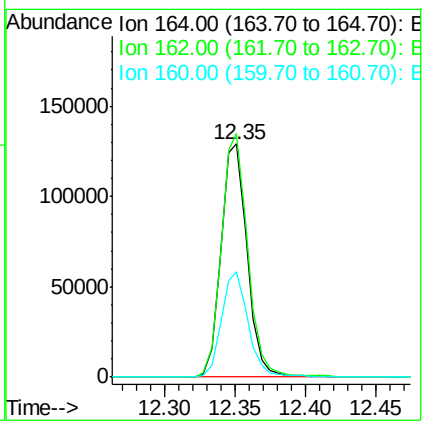


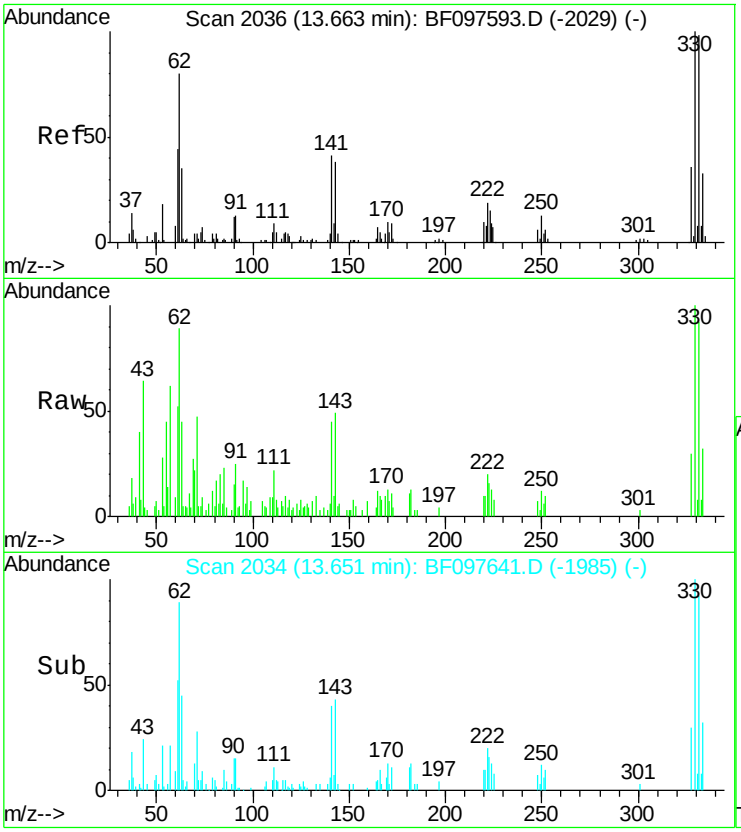


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.35 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:164 Resp: 165605

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	45.2	36.2	54.2



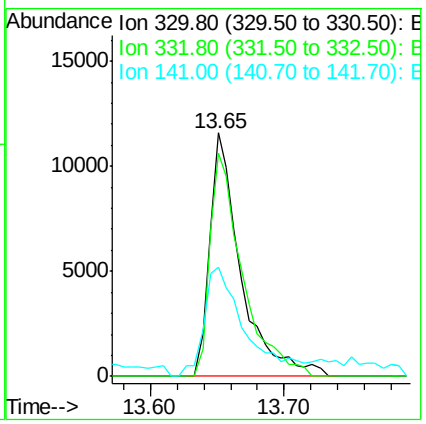


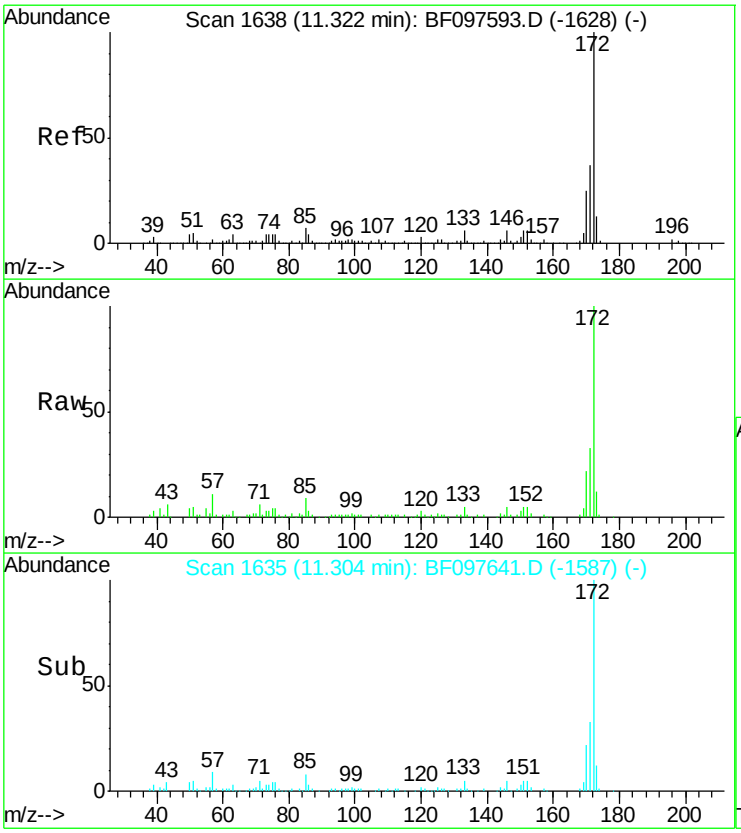
#41
2,4,6-Tribromophenol
Concen: 14.98 ng
RT: 13.65 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:330 Resp: 18855

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	59.7	31.4	47.2#

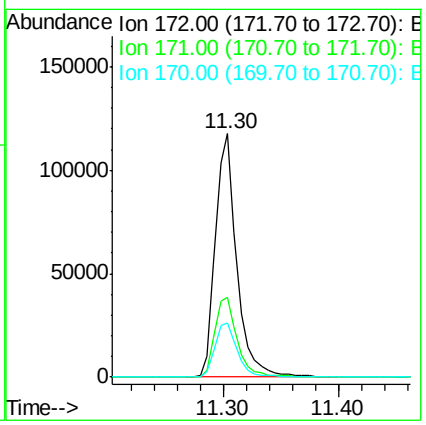


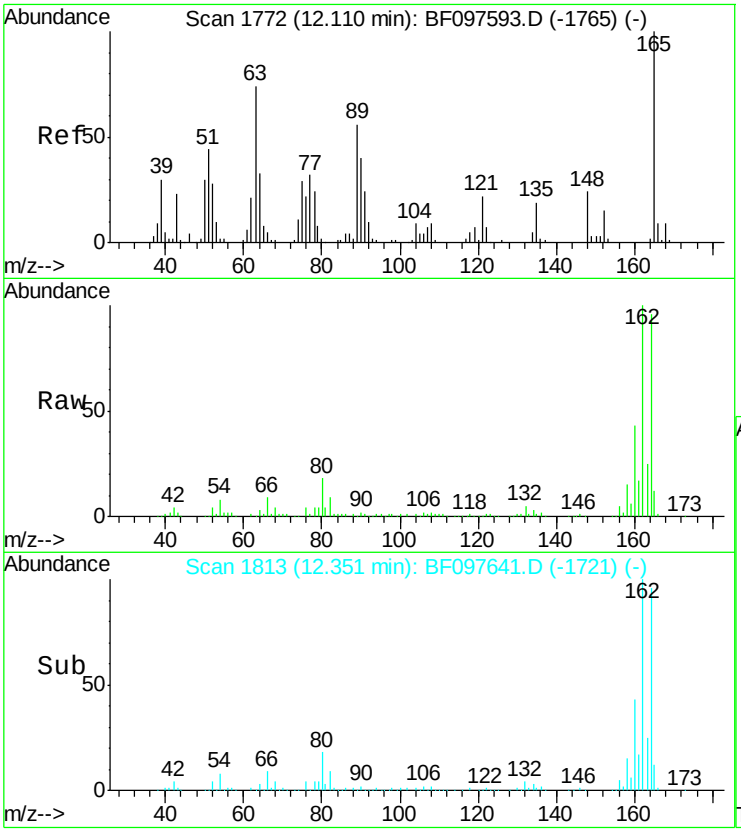


#44
2-Fluorobiphenyl
Concen: 13.73 ng
RT: 11.30 min Scan# 1635
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:172 Resp: 150630

Ion	Ratio	Lower	Upper
172	100		
171	32.6	29.6	44.4
170	22.1	19.8	29.8



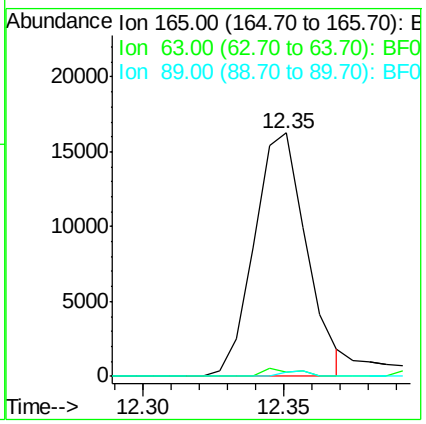


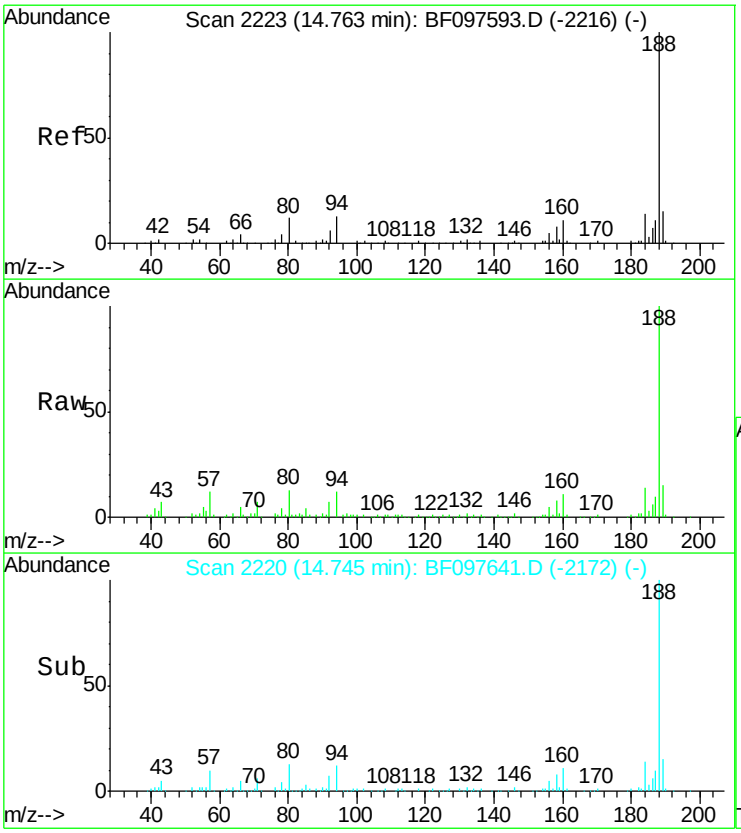
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 12.35 min Scan# 1813
Delta R.T. 0.24 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:165 Resp: 20795

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

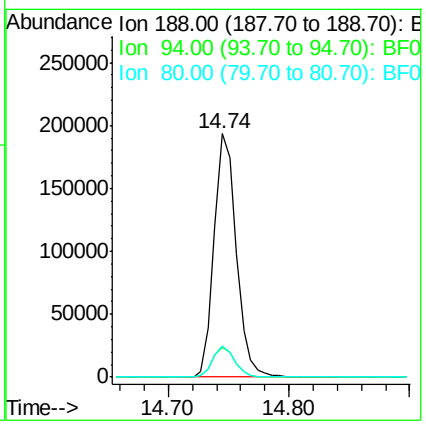


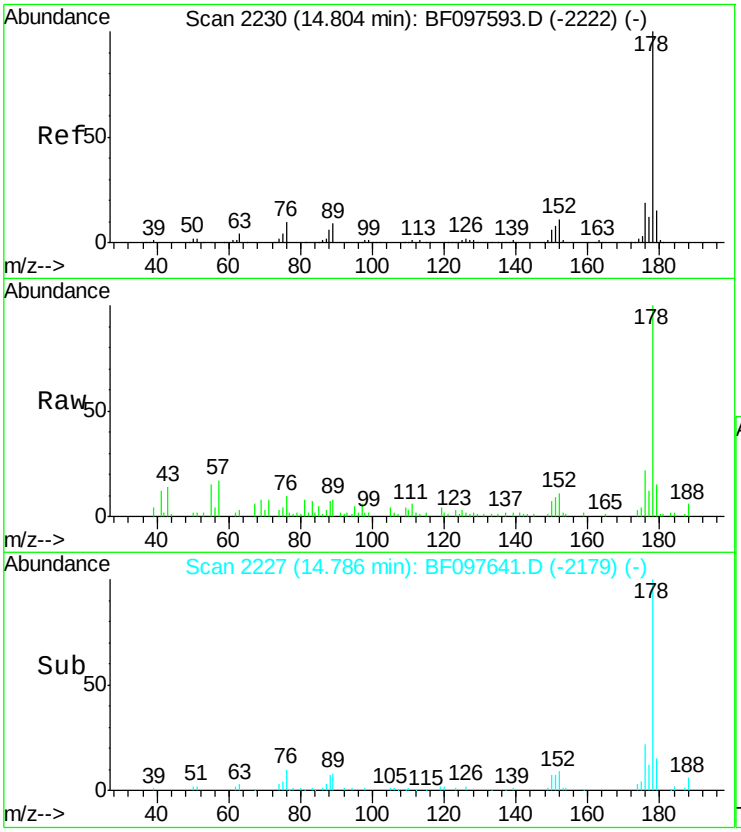


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:188 Resp: 245717

Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	12.5	10.2	15.2



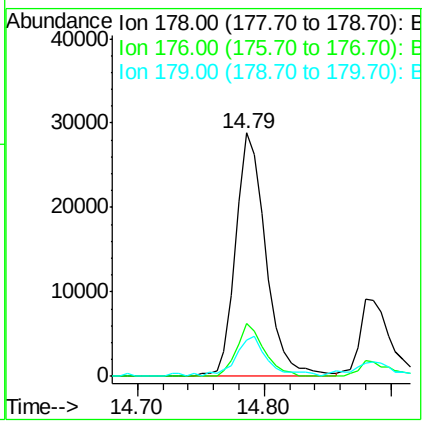


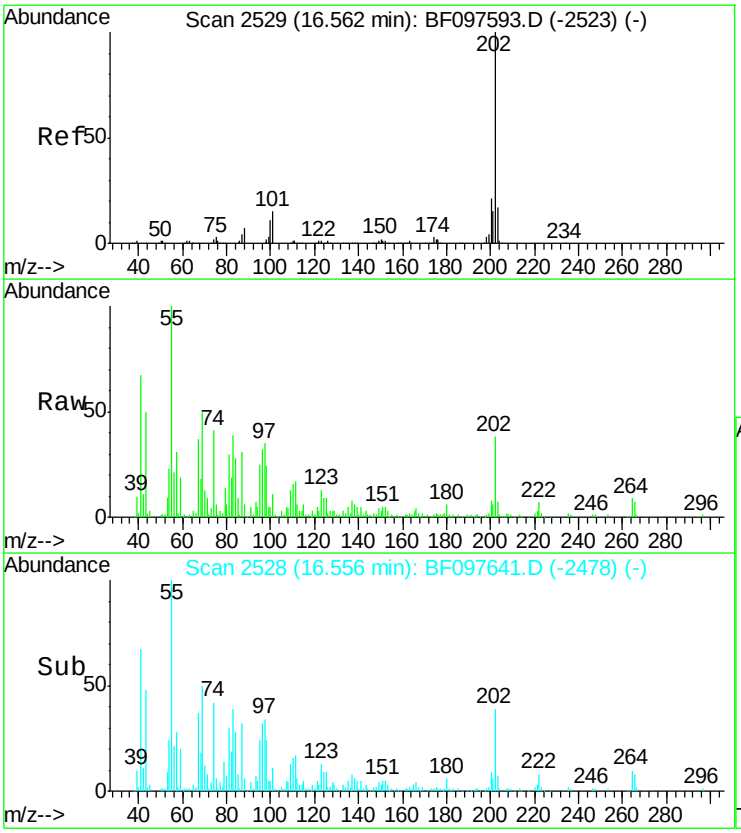
#70
Phenanthrene
Concen: 3.35 ng
RT: 14.79 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:178 Resp: 47474

Ion	Ratio	Lower	Upper
178	100		
176	21.7	16.2	24.4
179	15.0	12.6	19.0

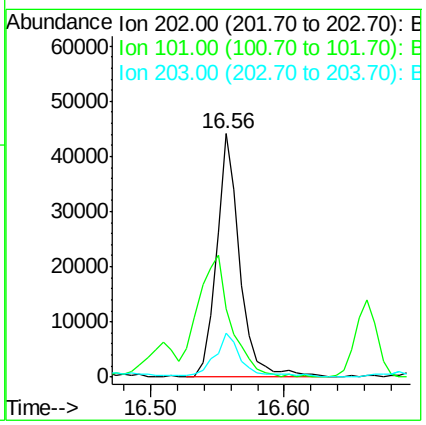


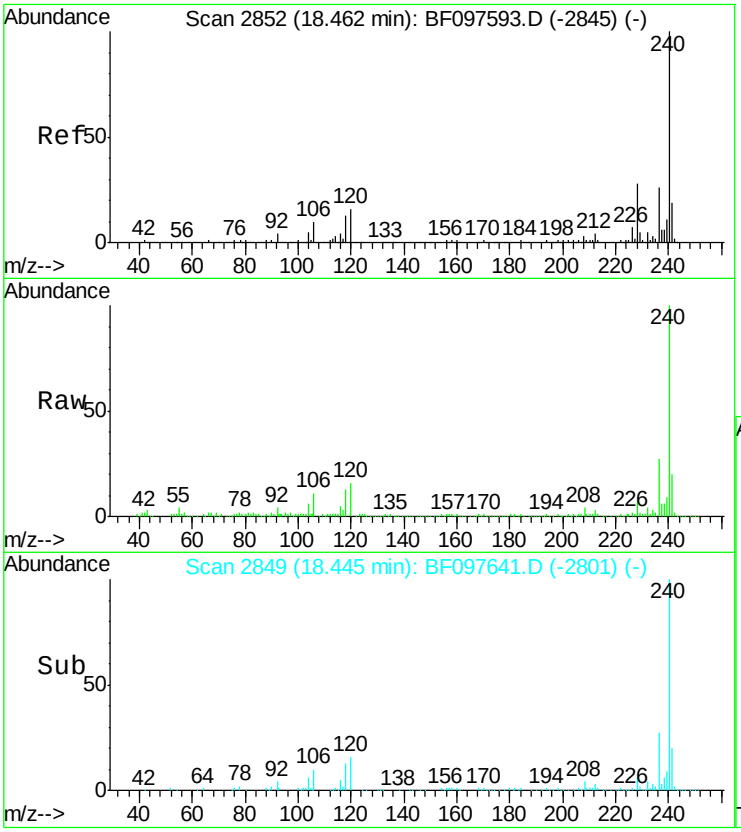


#74
Fluoranthene
Concen: 4.21 ng
RT: 16.56 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:202 Resp: 53863

Ion	Ratio	Lower	Upper
202	100		
101	28.3	0.0	33.2
203	18.1	0.0	38.1



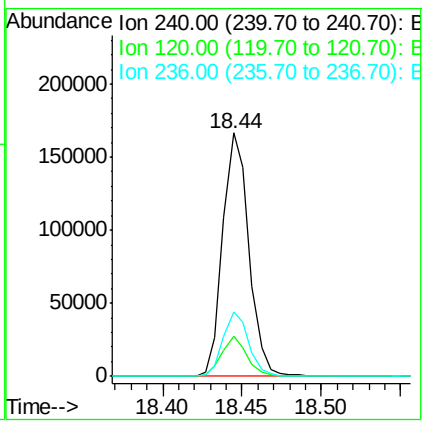


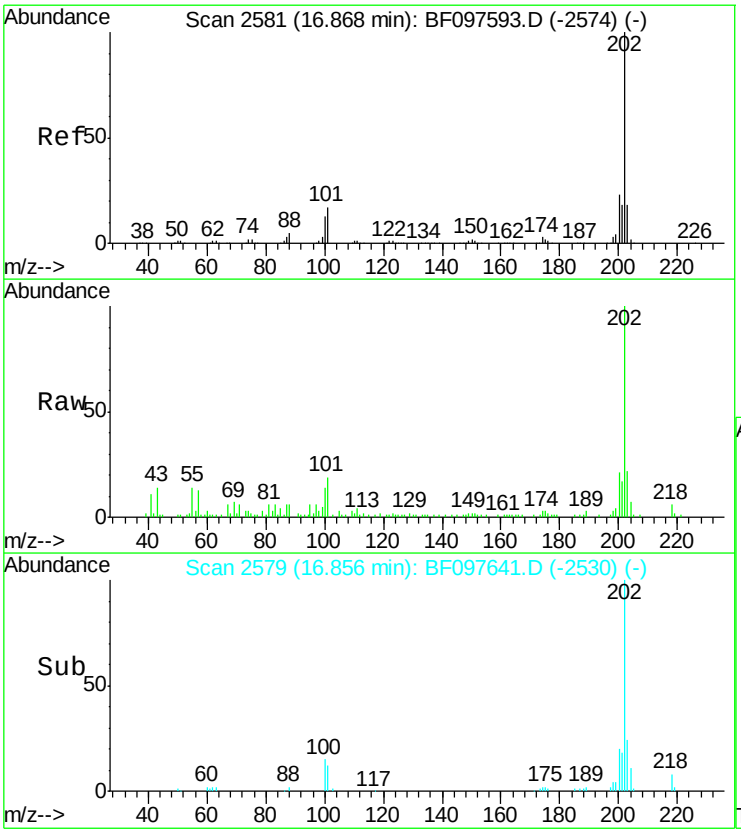
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.44 min Scan# 2849
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:240 Resp: 190234

Ion	Ratio	Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	26.6	20.5	30.7

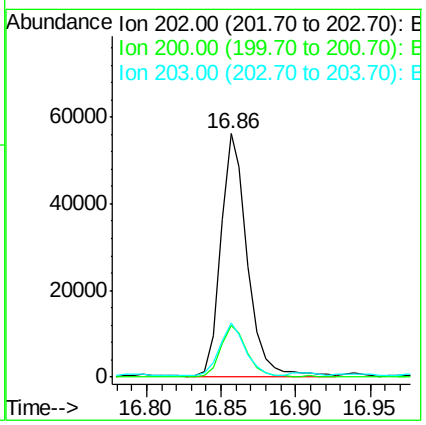


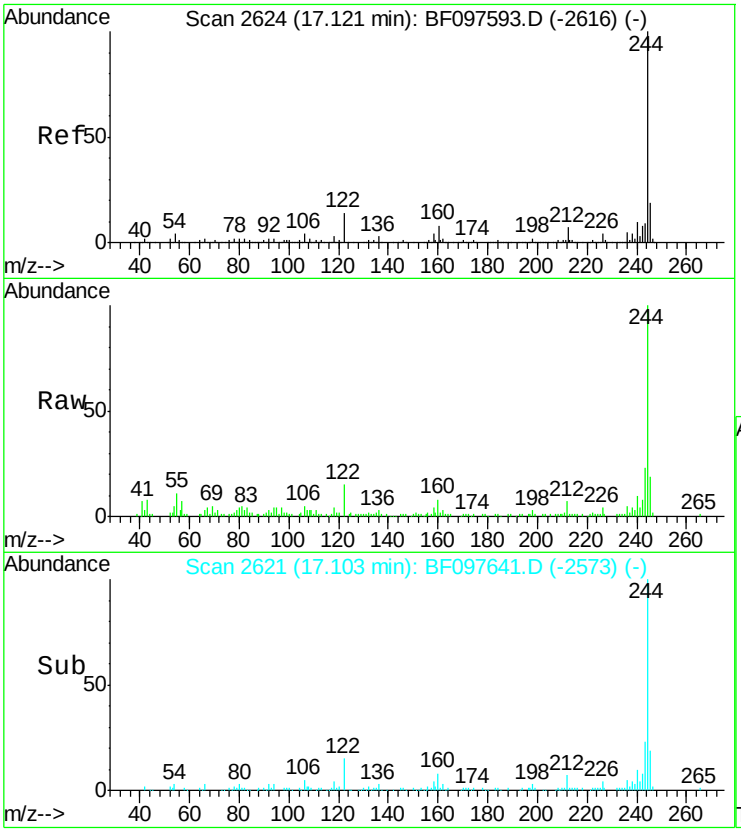


#77
Pyrene
Concen: 4.50 ng
RT: 16.86 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:202 Resp: 70825

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	22.1	14.4	21.6#



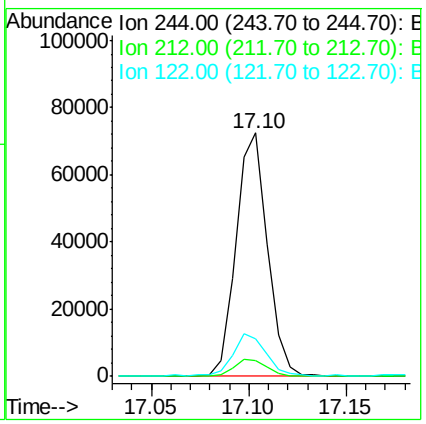


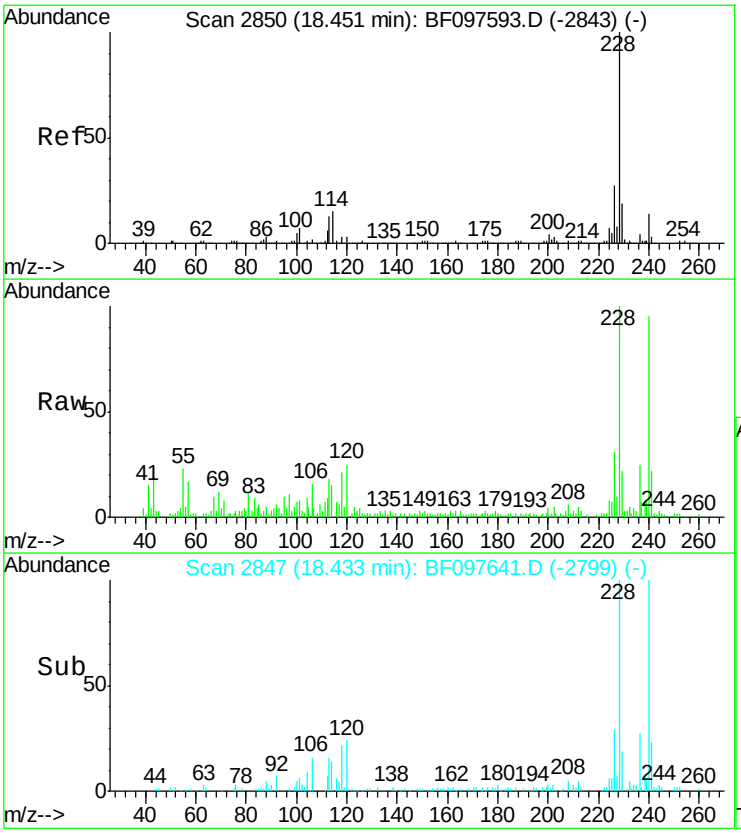
#78
Terphenyl-d14
Concen: 8.74 ng
RT: 17.10 min Scan# 2621
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:244 Resp: 80303

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.2	10.3	15.5

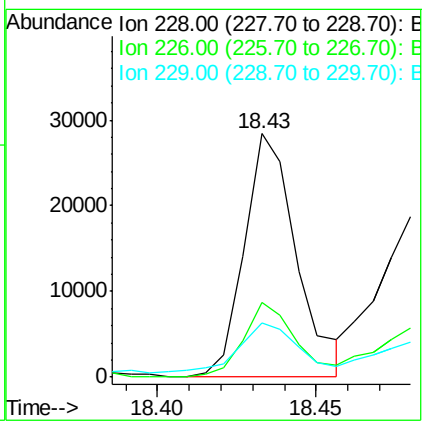


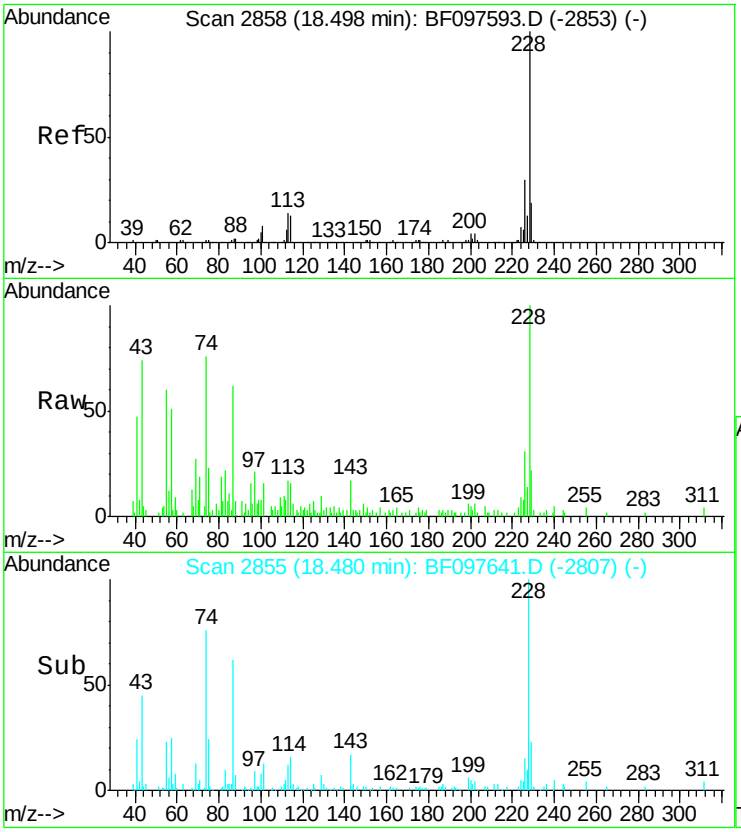


#80
Benzo(a)anthracene
Concen: 2.93 ng
RT: 18.43 min Scan# 2847
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:228 Resp: 32564

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	22.3	16.3	24.5



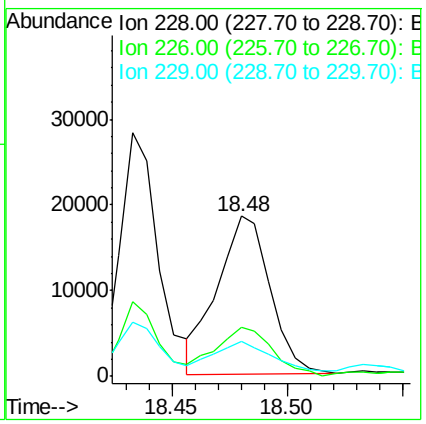


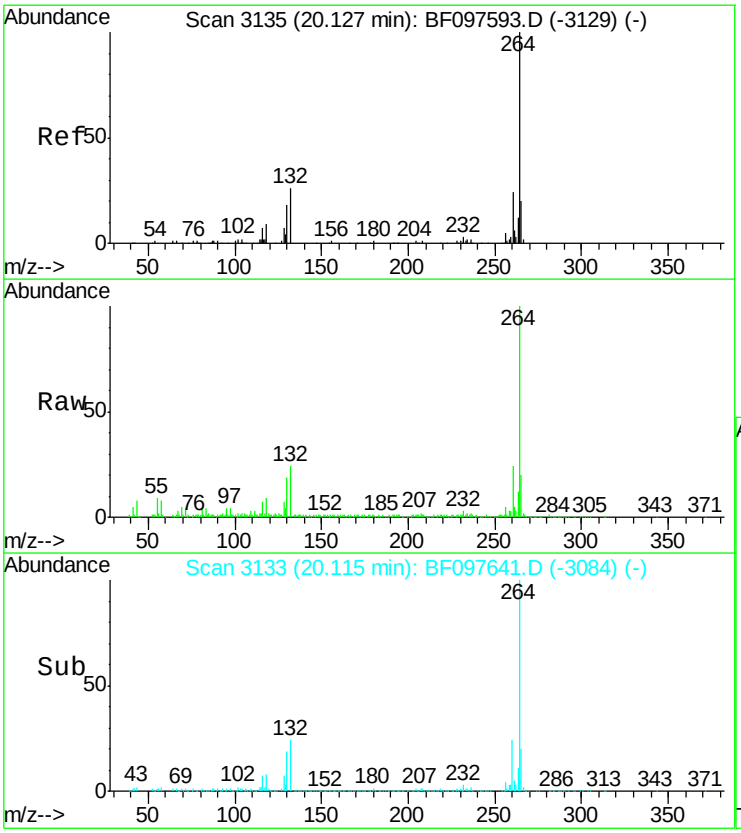
#82
Chrysene
Concen: 2.65 ng
RT: 18.48 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:228 Resp: 29276

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.2	15.8	23.6

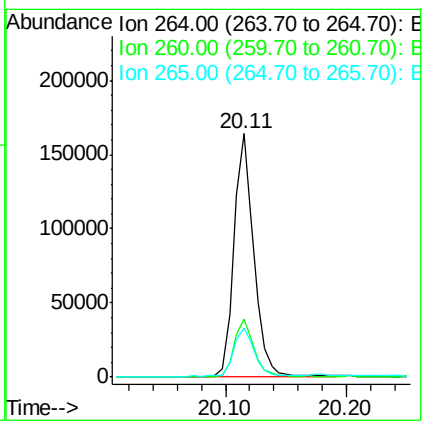


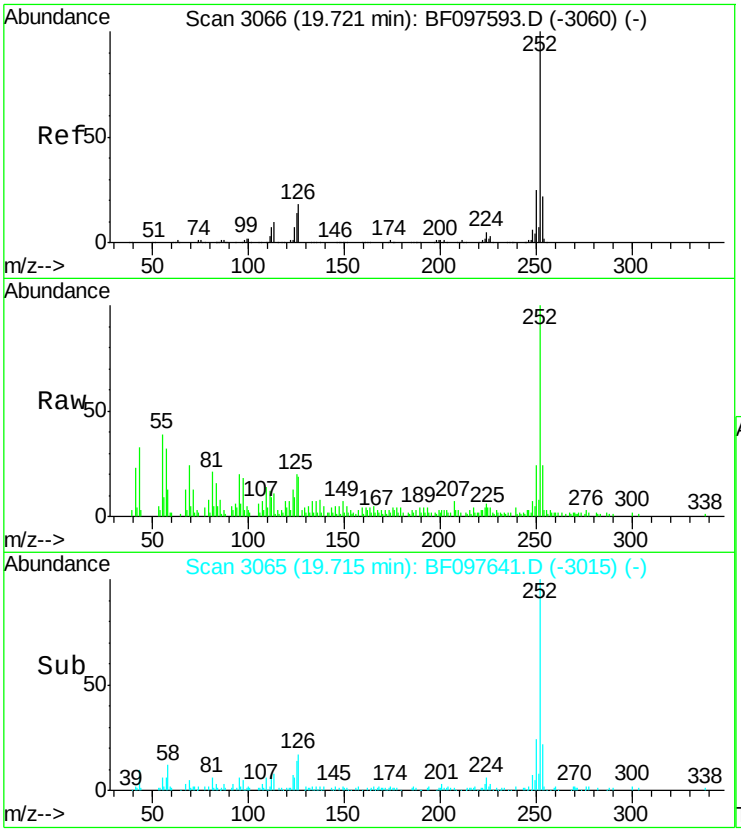


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:264 Resp: 189279

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	20.4	17.2	25.8



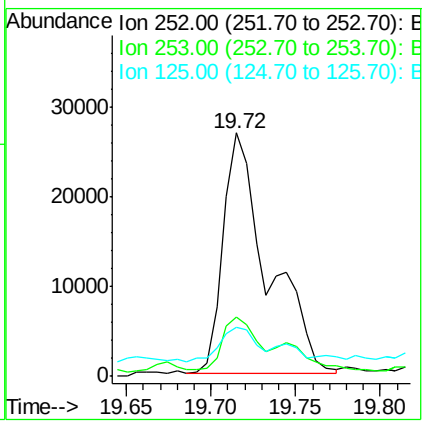


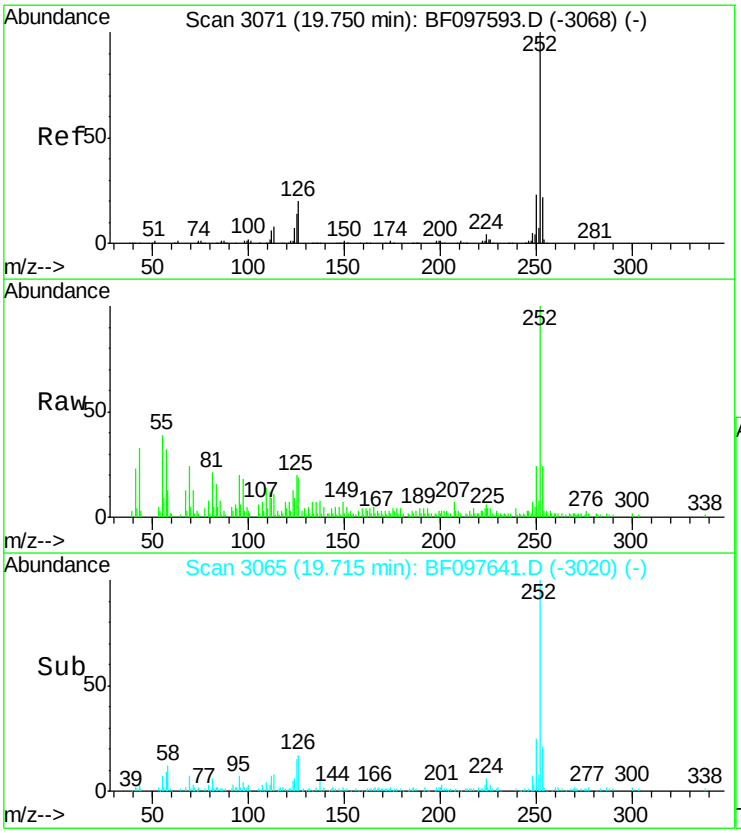
#87
Benzo(b)fluoranthene
Concen: 4.31 ng
RT: 19.72 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:252 Resp: 48994

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	20.1	9.8	14.8#

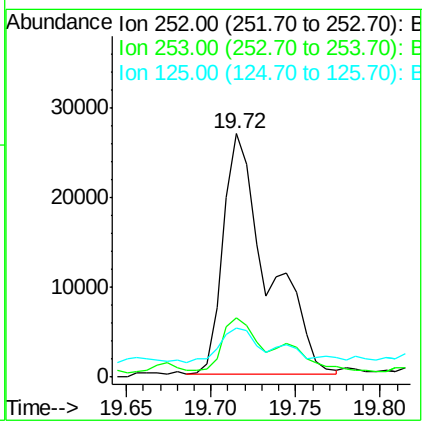


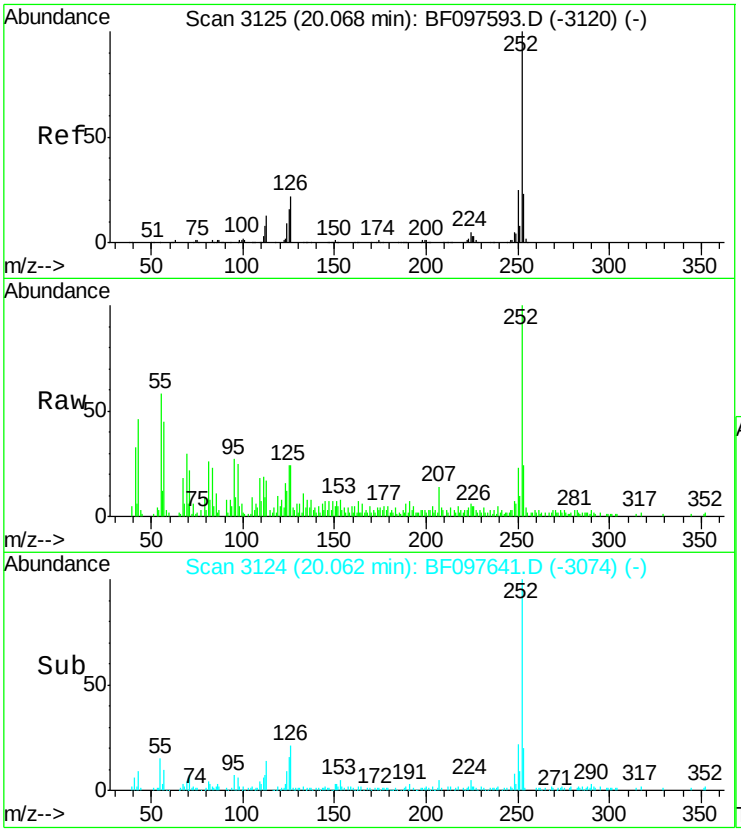


#88
Benzo(k)fluoranthene
Concen: 4.28 ng
RT: 19.72 min Scan# 3065
Delta R.T. -0.04 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Tgt Ion:252 Resp: 48994

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	20.1	13.1	19.7#





#89
Benzo(a)pyrene
Concen: 2.77 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097641.D
Acq: 12 Aug 2017 18:42

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-C

Tgt Ion:252 Resp: 28910

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	23.9	11.0	16.4#