Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT2321-RT2315-20-02-RB36575

Quant Time: Aug 29 09:22:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	187483	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	715418	20.00	ng		-0.01
38) Acenaphthene-d10	9.77	164	317009	20.00	ng		-0.01
63) Phenanthrene-d10	11.26	188	593881	20.00	ng		0.00
75) Chrysene-d12	13.89	240	434871	20.00	ng		0.00
86) Perylene-d12	15.32	264	465690	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	721986	58.58	ng		0.00
7) Phenol-d6	6.38	99	971907	58.03	ng		0.00
23) Nitrobenzene-d5	7.30	82	588014	44.65	ng		-0.02
41) 2,4,6-Tribromophenol	10.56	330	170432	61.96	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	751372	34.82	ng		-0.01
78) Terphenyl-d14	12.84	244	544484	26.11	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.49	163	137113	5.917	ng		99
70) Phenanthrene	11.28	178	172123	5.439	ng		99
74) Fluoranthene	12.47	202	274202	8.301	ng		98
77) Pyrene	12.69	202	261158	7.343	ng		98
80) Benzo(a)anthracene	13.88	228	155611	5.970	ng		95
82) Chrysene	13.92	228	145955	5.629	ng		95
85) Indeno(1,2,3-cd)pyrene	16.69	276	122399	6.417	ng	#	90
87) Benzo(b)fluoranthene	14.91	252	227098m	7.737	ng		
88) Benzo(k)fluoranthene	14.93	252	84546m	3.066	ng		
89) Benzo(a)pyrene	15.25	252	182938	7.040	ng		99
91) Benzo(g,h,i)perylene	17.10	276	120862	5.475	ng		92

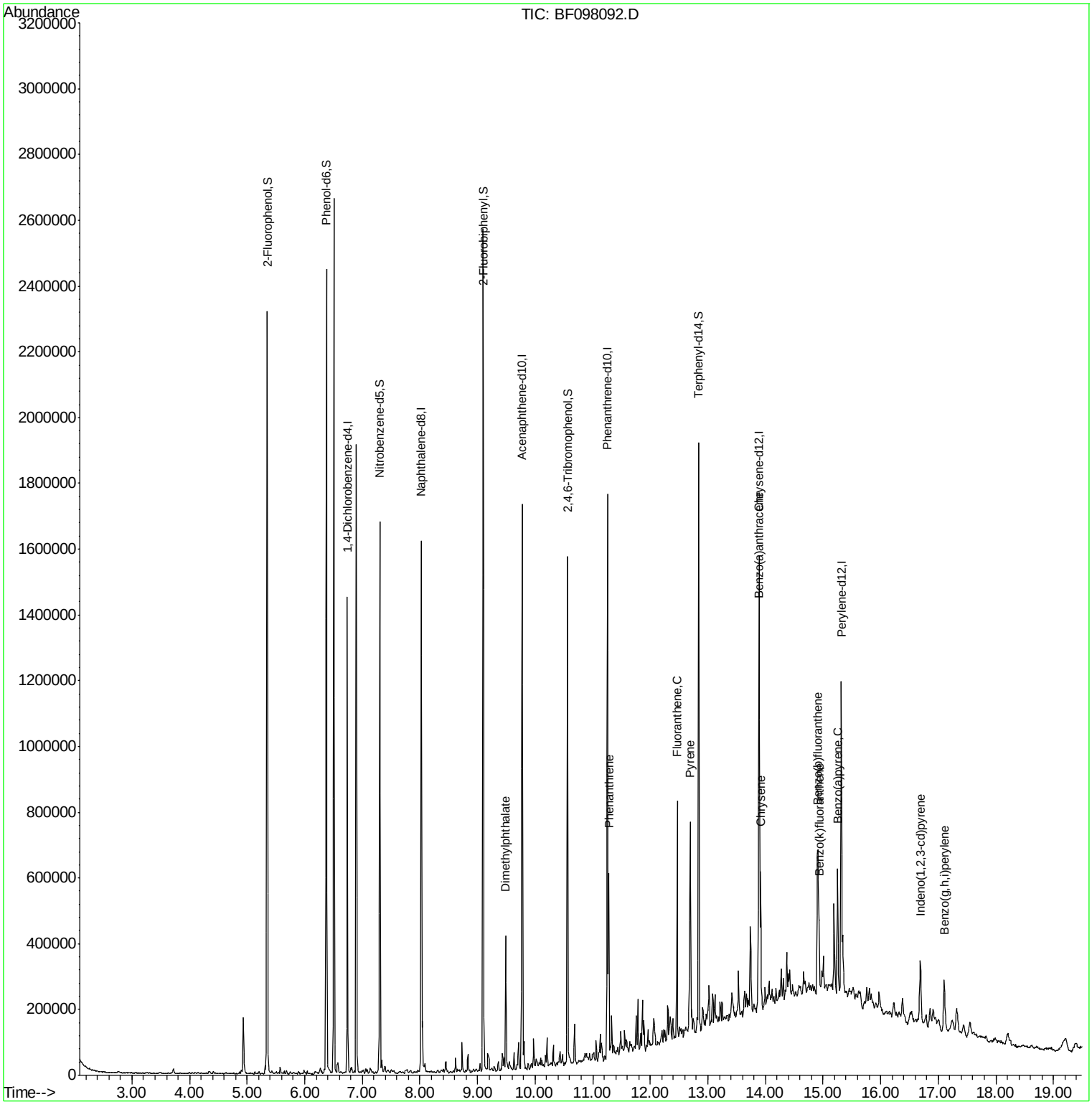
(#) = qualifier out of range (m) = manual integration (+) = signals summed

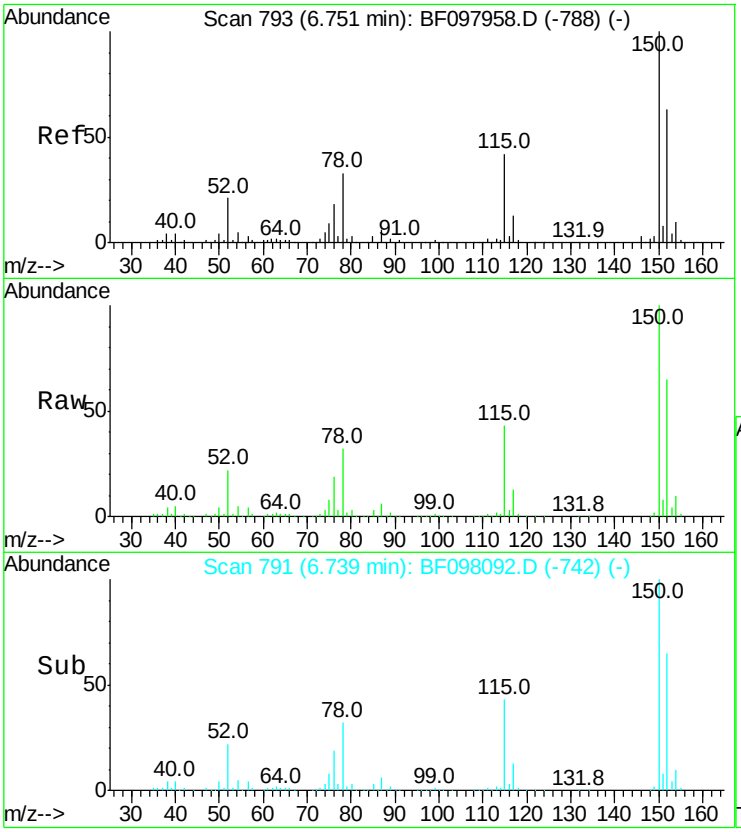
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098092.D
Acq On : 29 Aug 2017 3:20
Operator : SJ/JU
Sample : I4959-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Quant Time: Aug 29 09:22:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



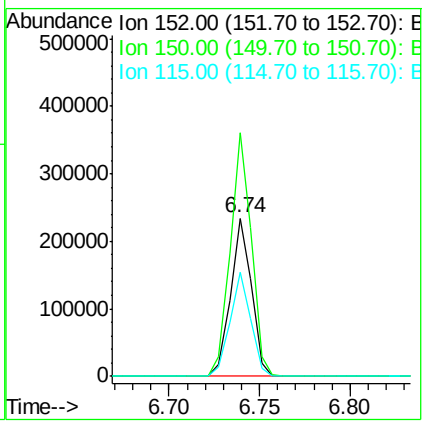


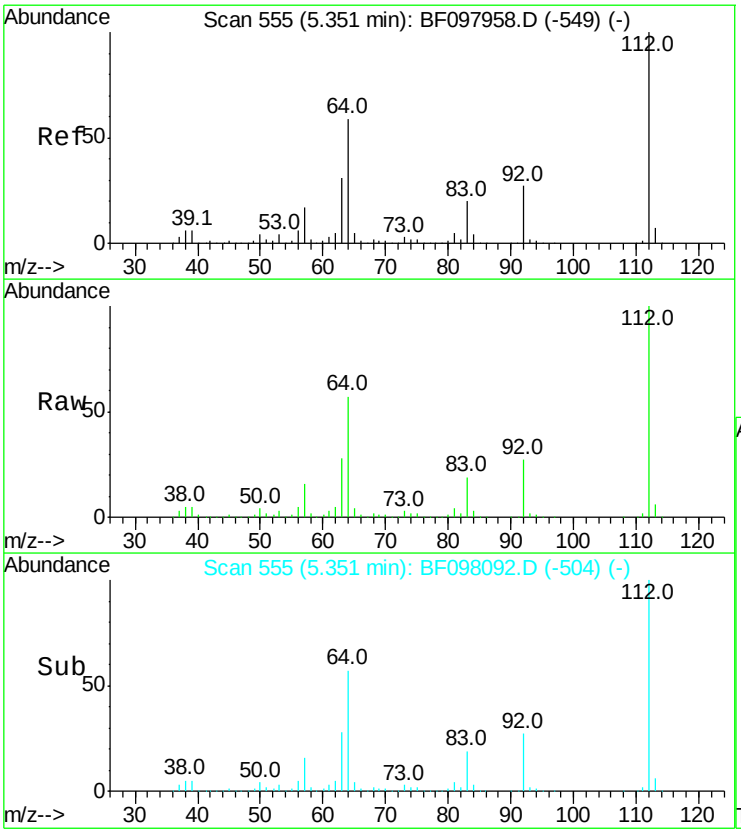
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:152 Resp: 187483

Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	65.5	52.2	78.2

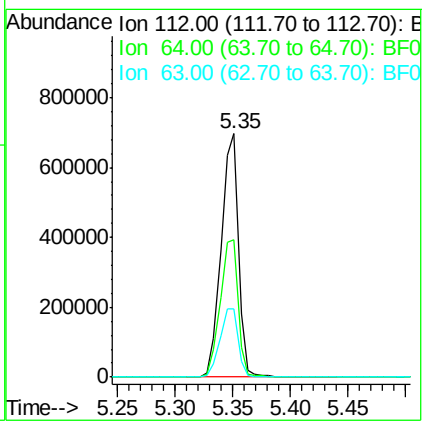


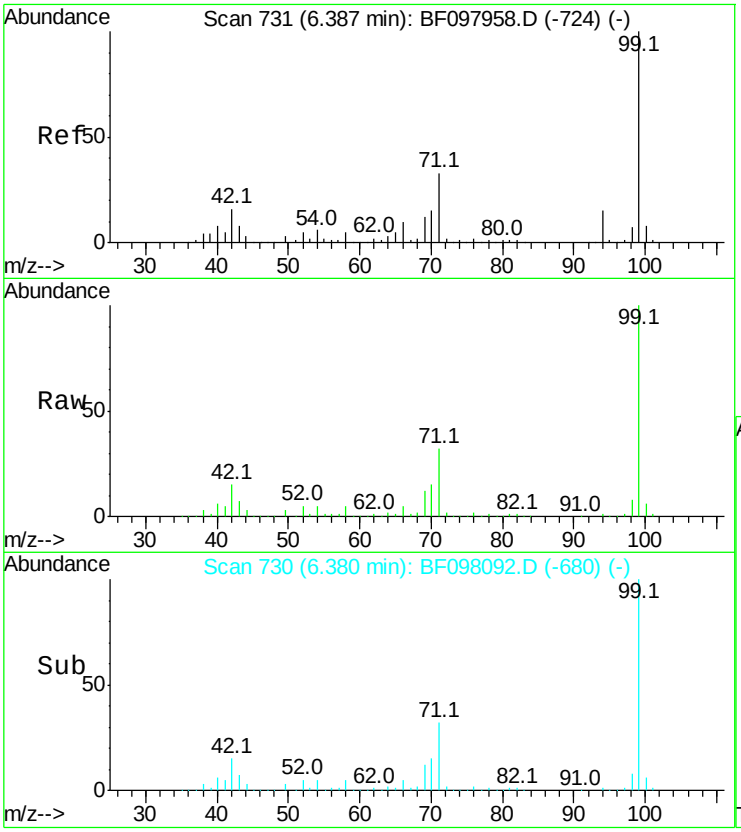


#5
2-Fluorophenol
Concen: 58.576 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:112 Resp: 721986

Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.0	69.0
63	28.2	23.4	35.0



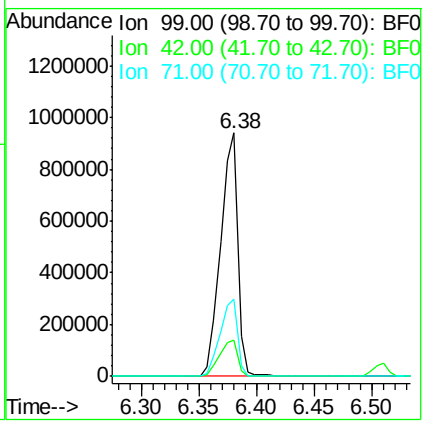


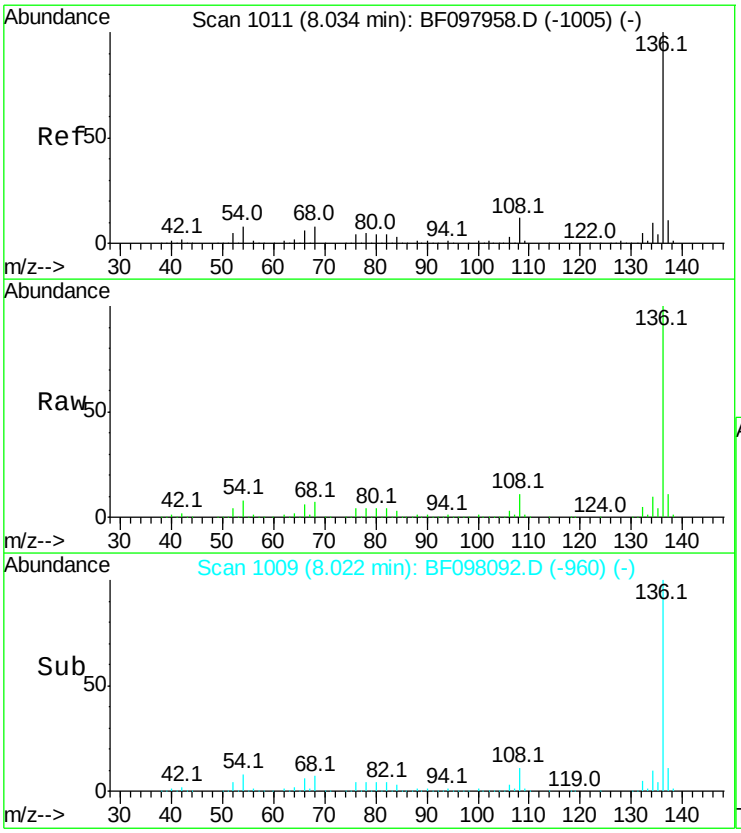
#7
Phenol-d6
Concen: 58.034 ng
RT: 6.38 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion: 99 Resp: 971907

Ion	Ratio	Lower	Upper
99	100		
42	14.9	13.5	20.3
71	31.8	24.5	36.7

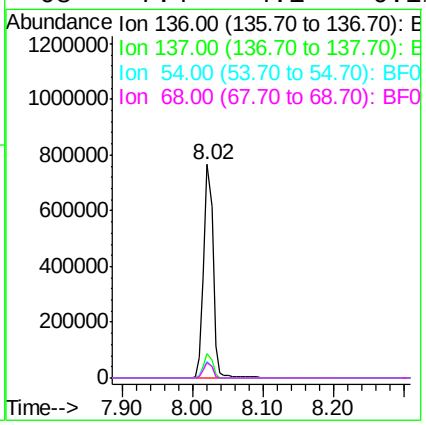


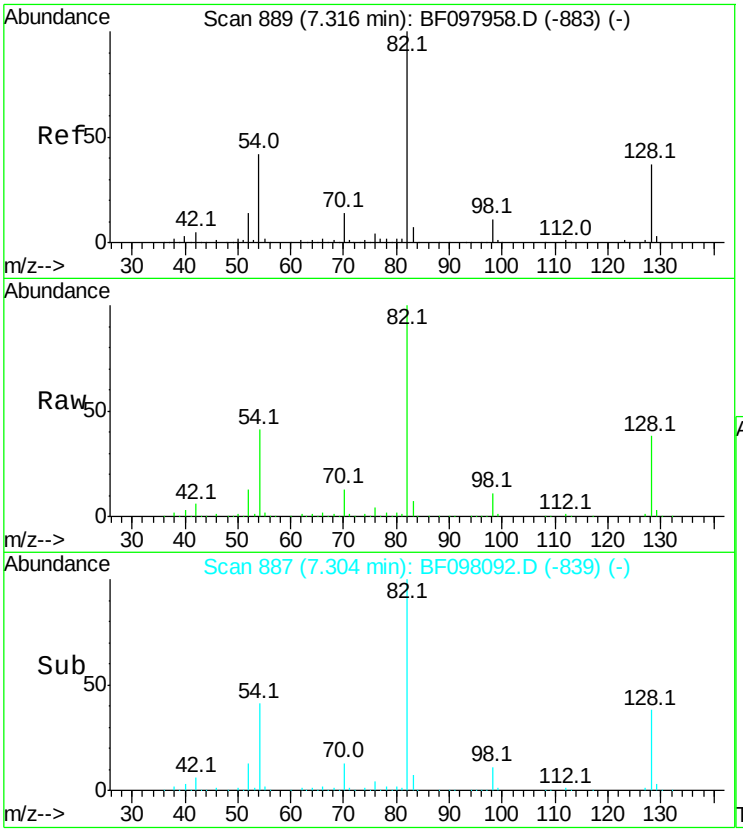


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:136 Resp: 715418

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.7	4.9	7.3#
68	7.4	4.1	6.1#



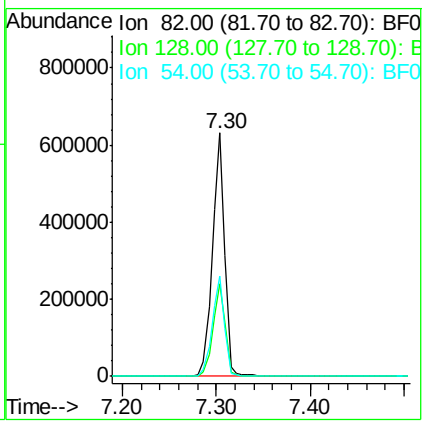


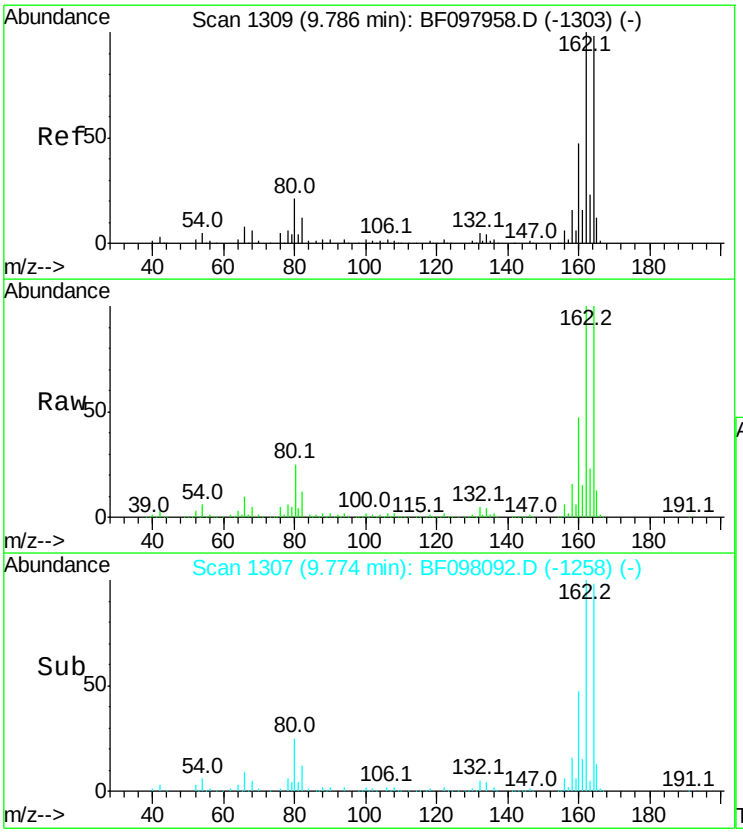
#23
Nitrobenzene-d5
Concen: 44.650 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion: 82 Resp: 588014

Ion	Ratio	Lower	Upper
82	100		
128	38.2	34.0	51.0
54	41.4	42.2	63.2#

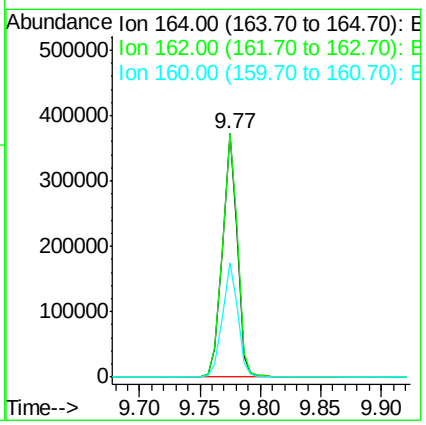


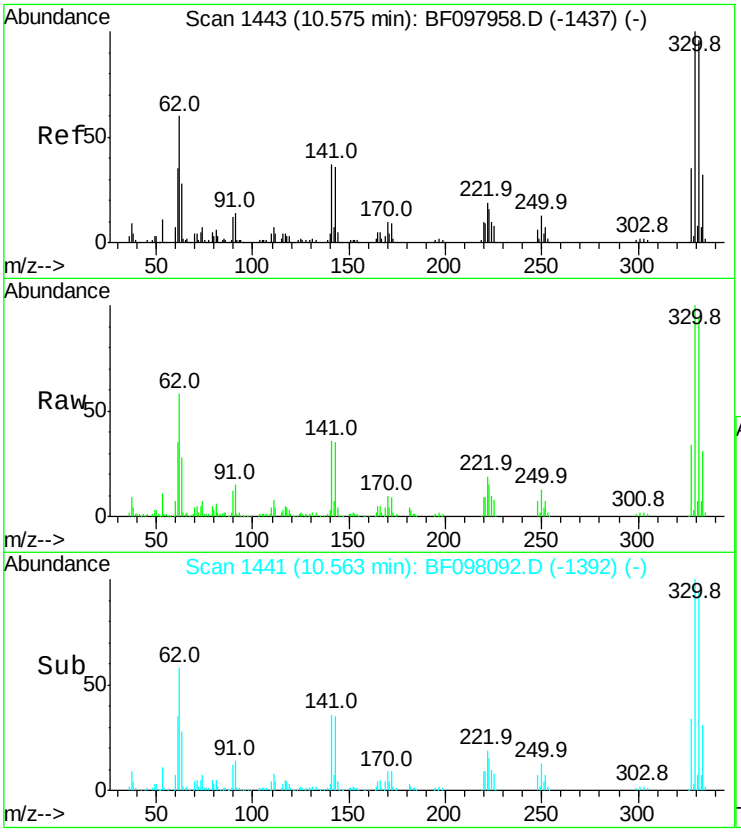


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:164 Resp: 317009

Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.6	123.8
160	46.9	36.2	54.2



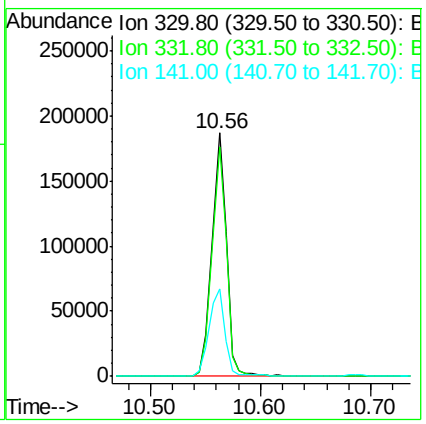


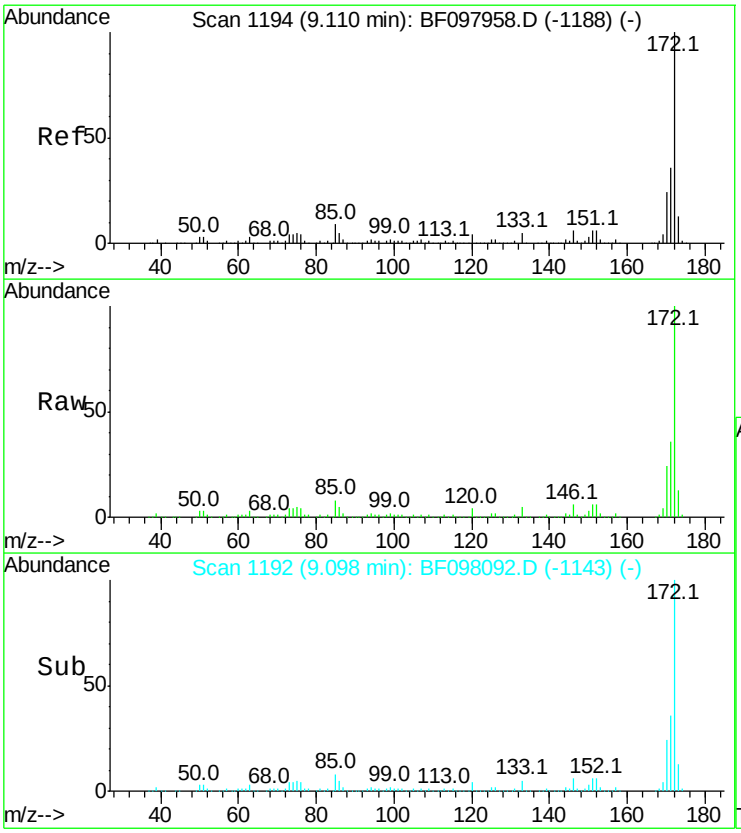
#41
2,4,6-Tribromophenol
Concen: 61.962 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:330 Resp: 170432

Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	40.3	31.4	47.2

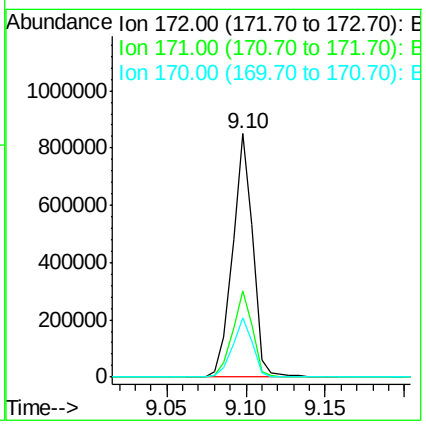


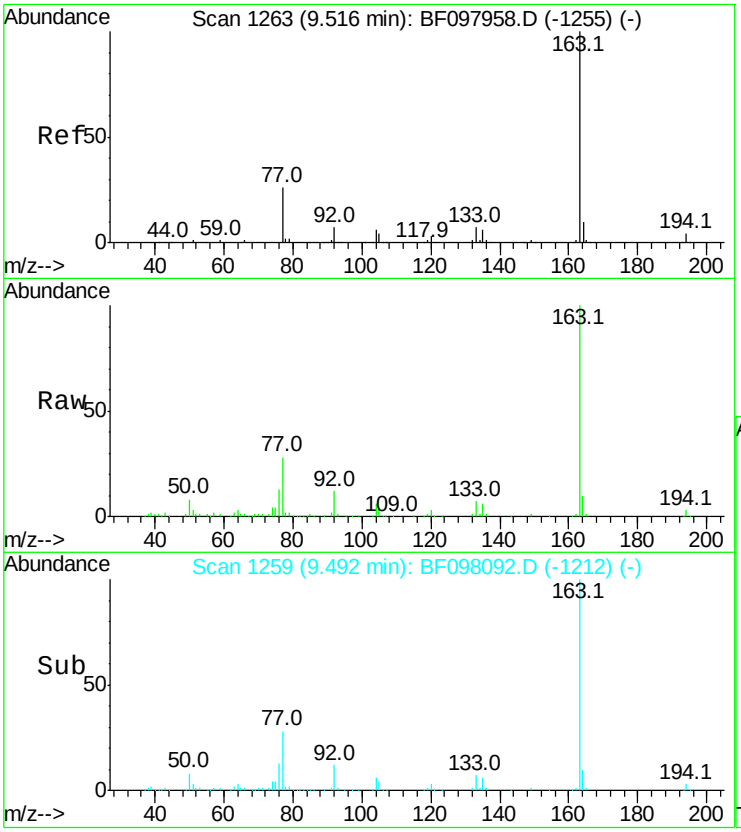


#44
2-Fluorobiphenyl
Concen: 34.823 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:172 Resp: 751372

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.4	19.8	29.8



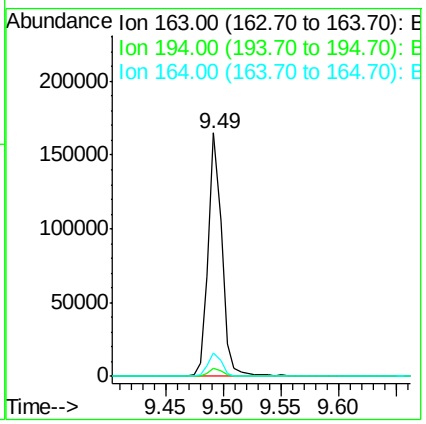


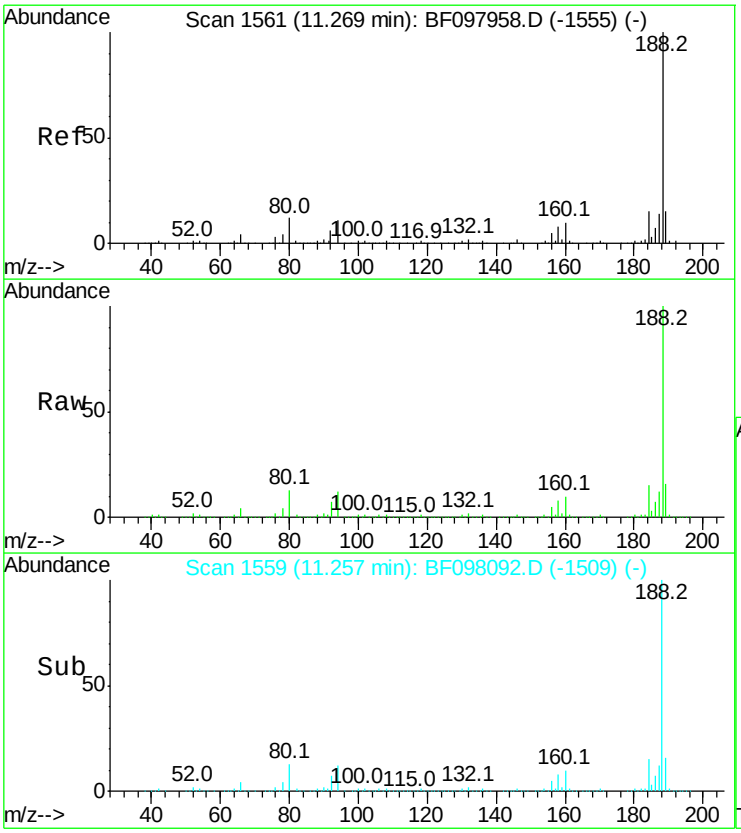
#49
Dimethylphthalate
Concen: 5.917 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:163 Resp: 137113

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.8	8.4	12.6

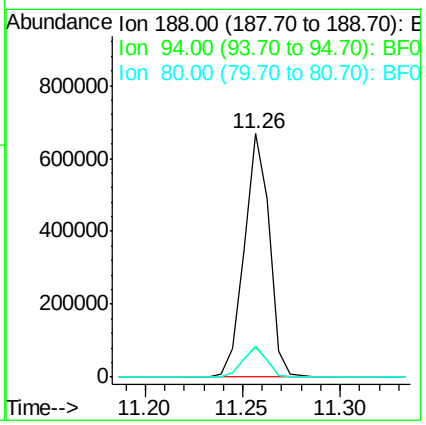


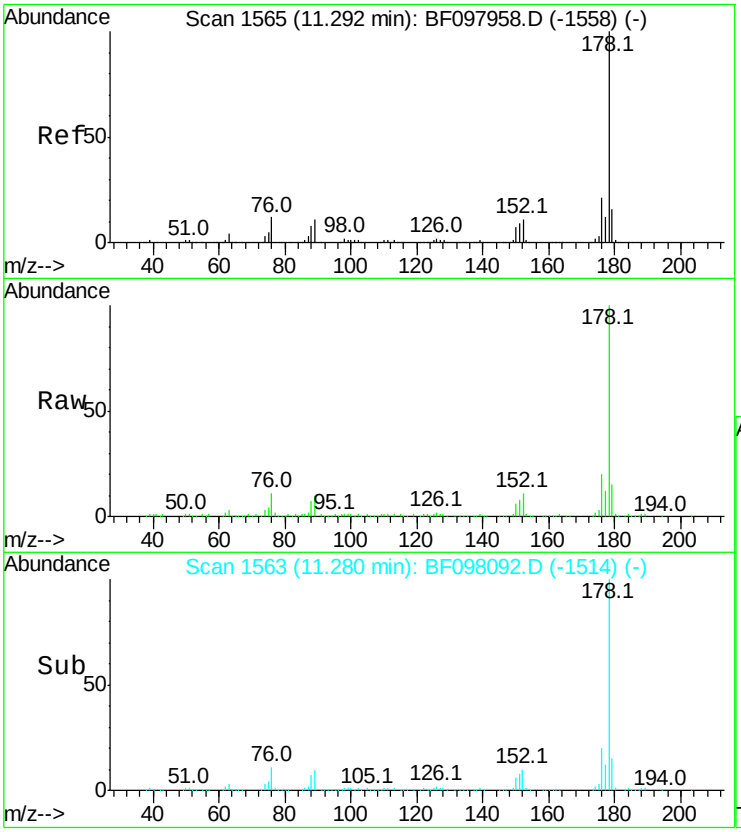


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:188 Resp: 593881

Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	12.6	10.2	15.2



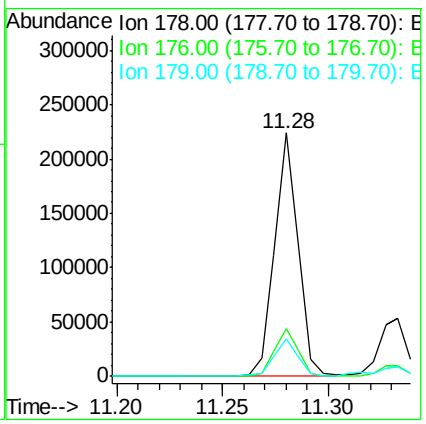


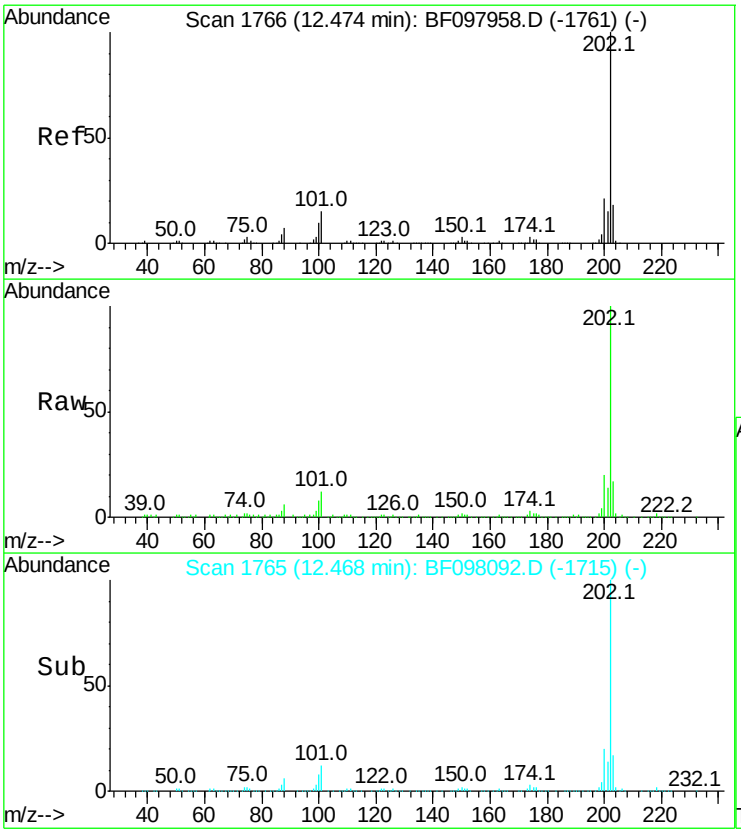
#70
Phenanthrene
Concen: 5.439 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:178 Resp: 172123

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.4	12.6	19.0

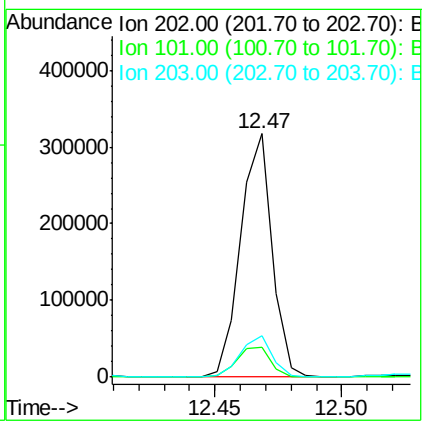


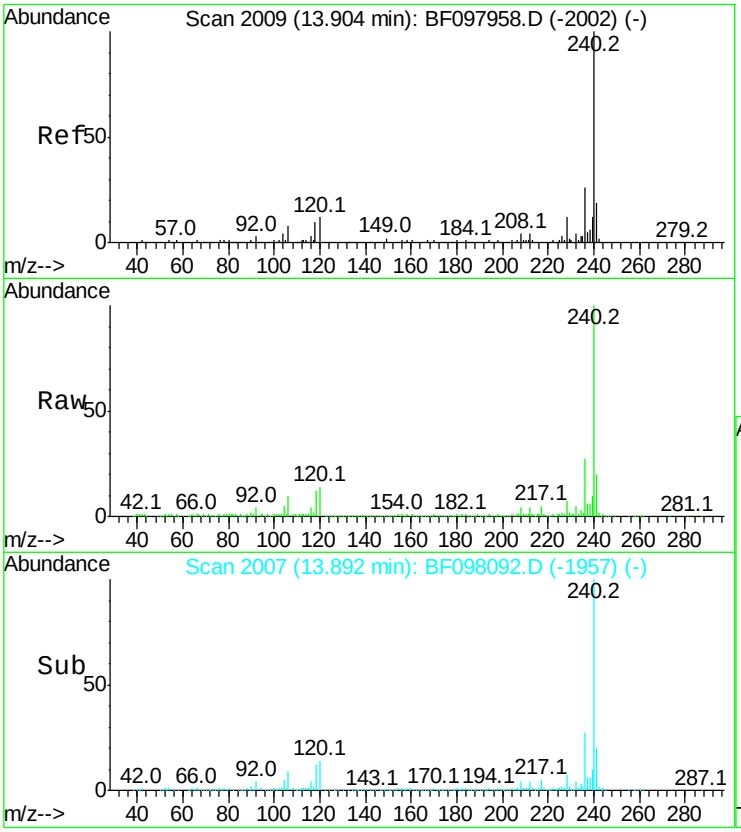


#74
Fluoranthene
Concen: 8.301 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:202 Resp: 274202

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.2
203	17.1	0.0	38.1



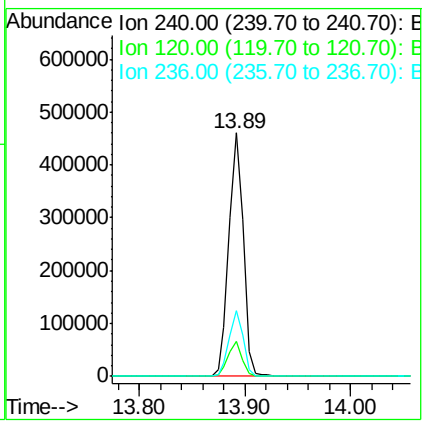


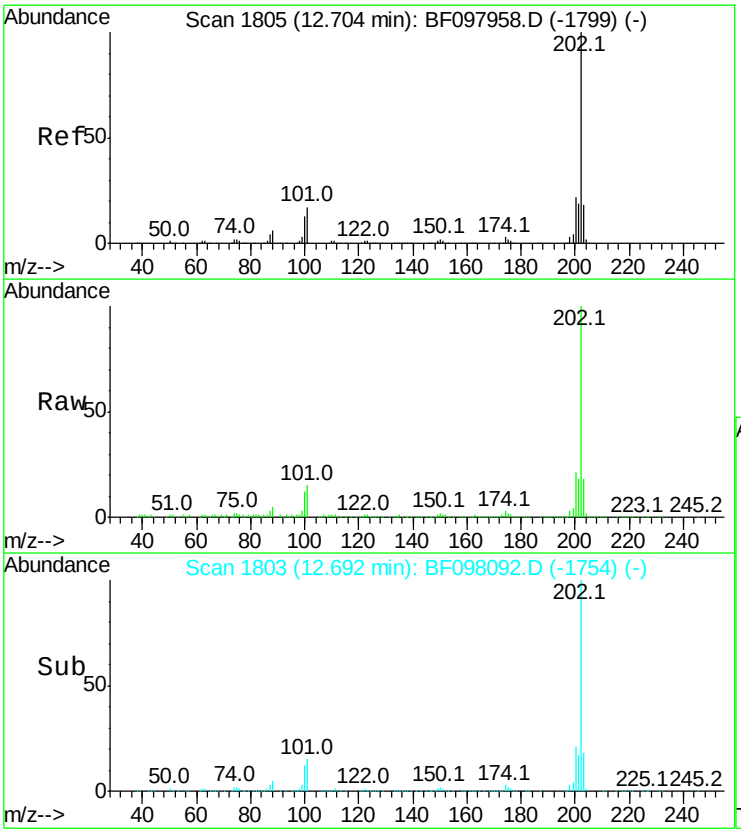
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:240 Resp: 434871

Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	27.1	20.5	30.7

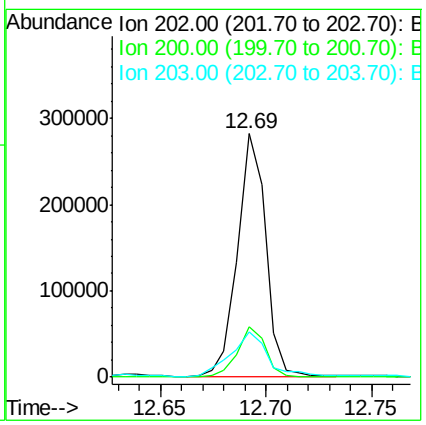


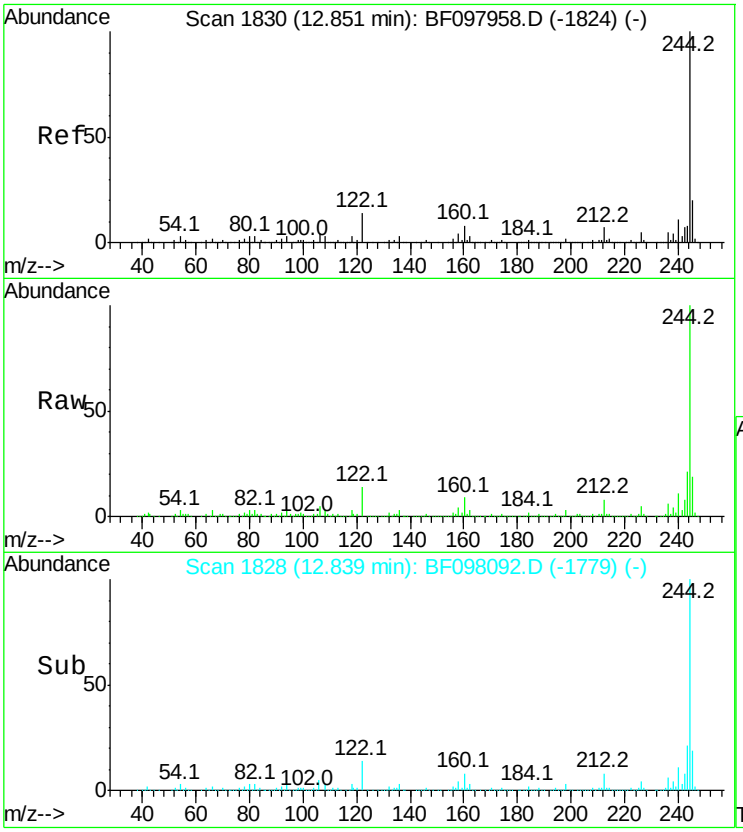


#77
Pyrene
Concen: 7.343 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:202 Resp: 261158

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	18.5	14.4	21.6



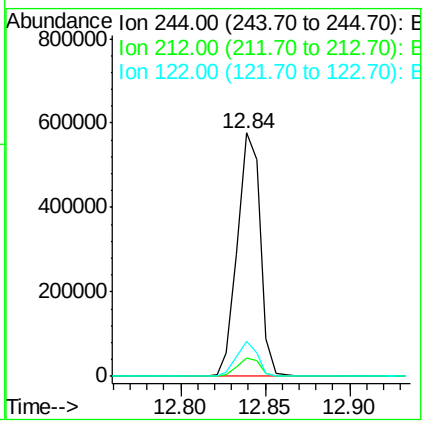


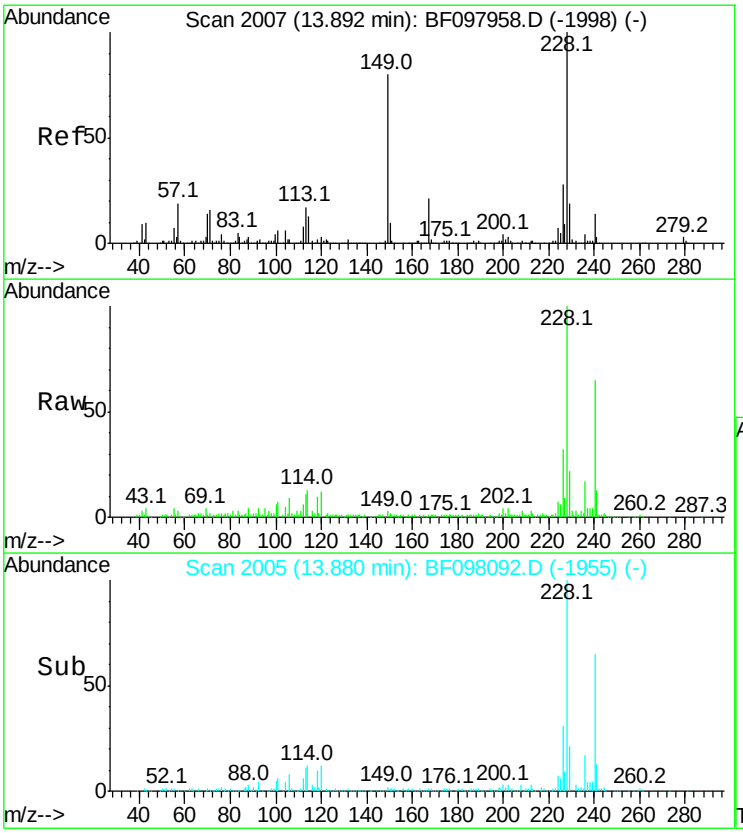
#78
Terphenyl-d14
Concen: 26.110 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:244 Resp: 544484

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	14.4	10.3	15.5

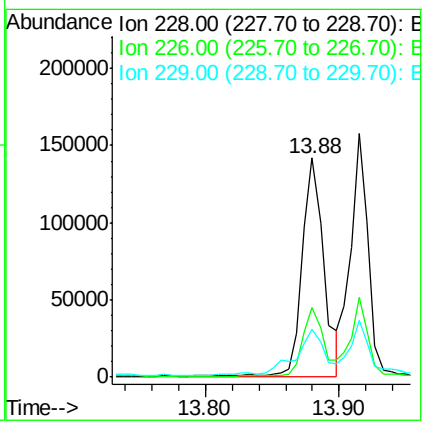


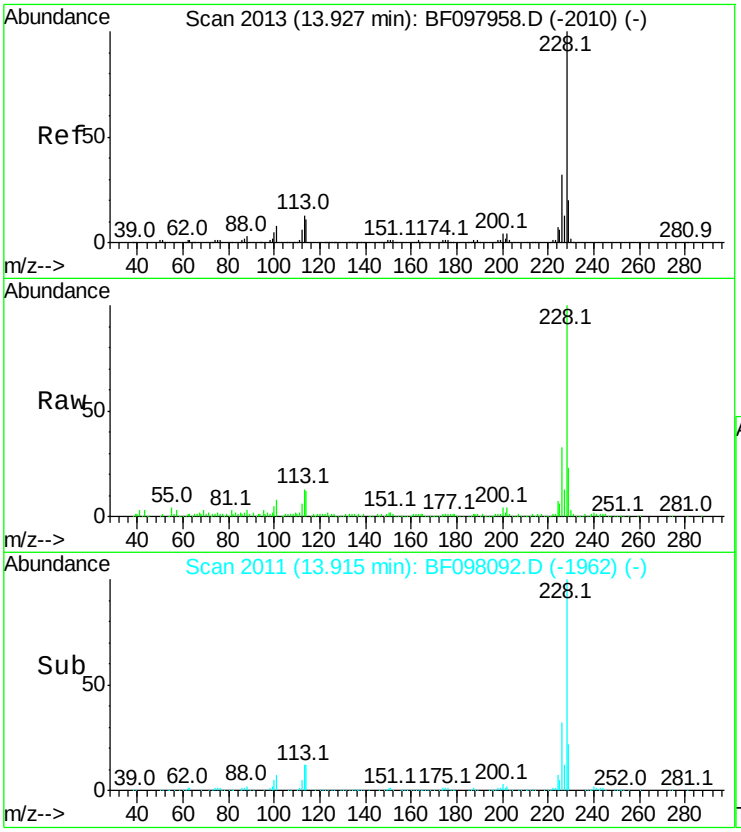


#80
Benzo(a)anthracene
Concen: 5.970 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:228 Resp: 155611

Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	22.0	16.3	24.5



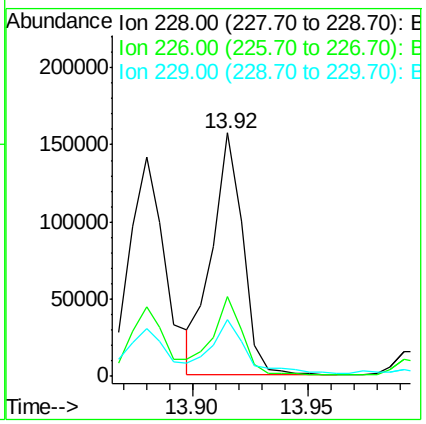


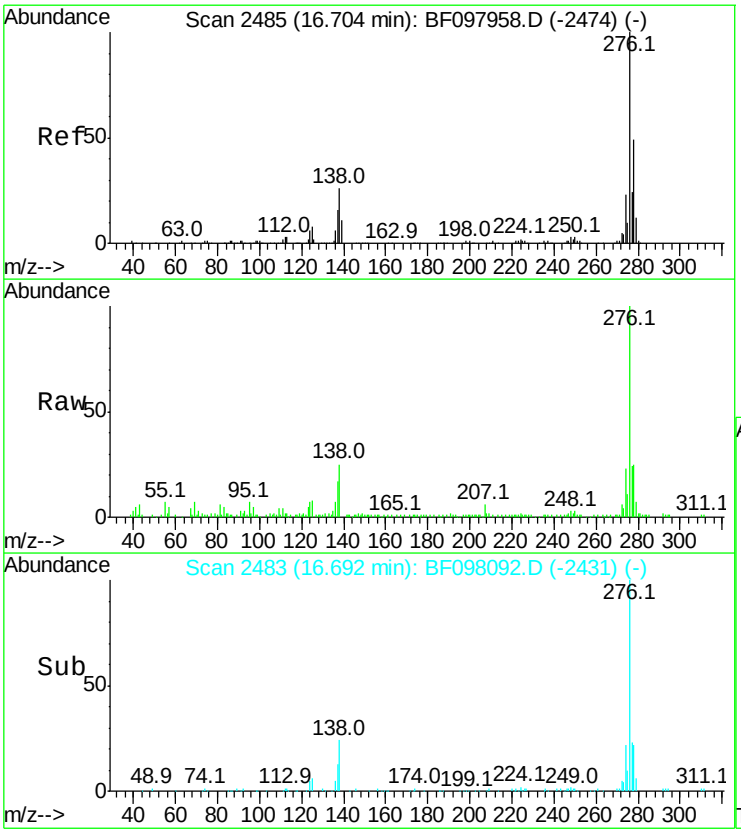
#82
Chrysene
Concen: 5.629 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:228 Resp: 145955

Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.9	37.3
229	23.4	15.8	23.6

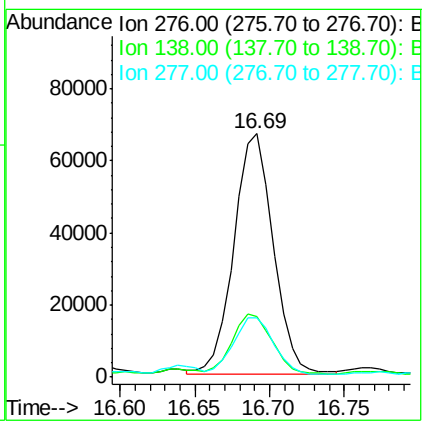


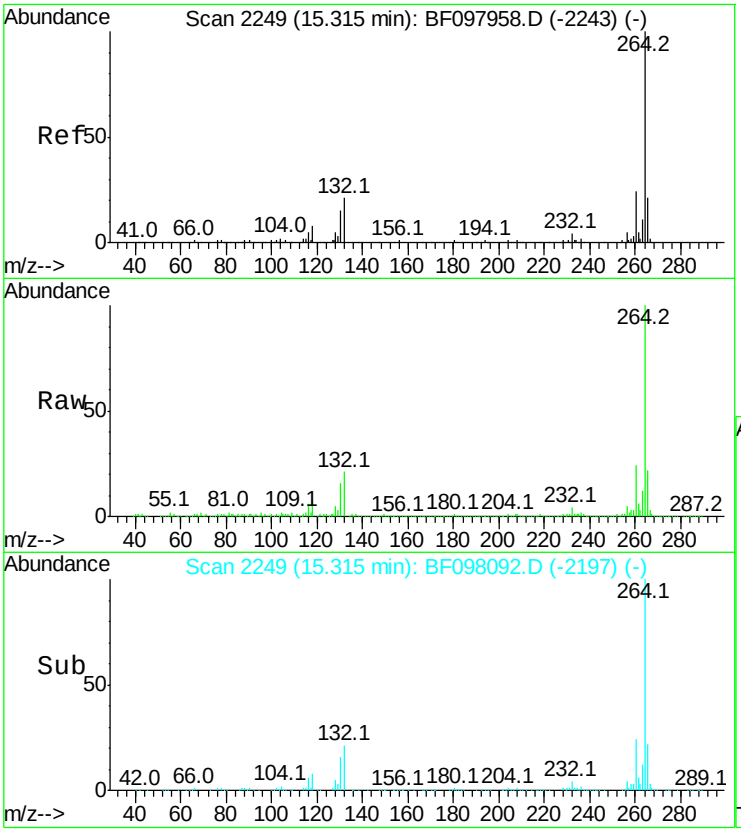


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.417 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:276 Resp: 122399

Ion	Ratio	Lower	Upper
276	100		
138	25.2	27.8	41.6#
277	24.5	20.2	30.4



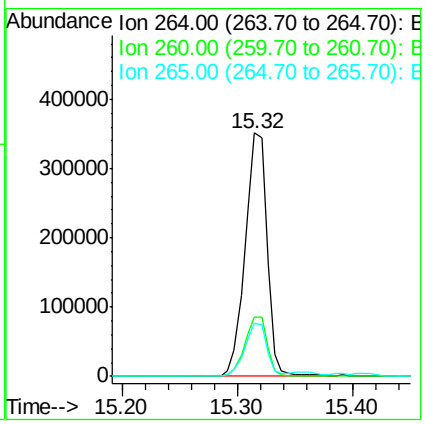


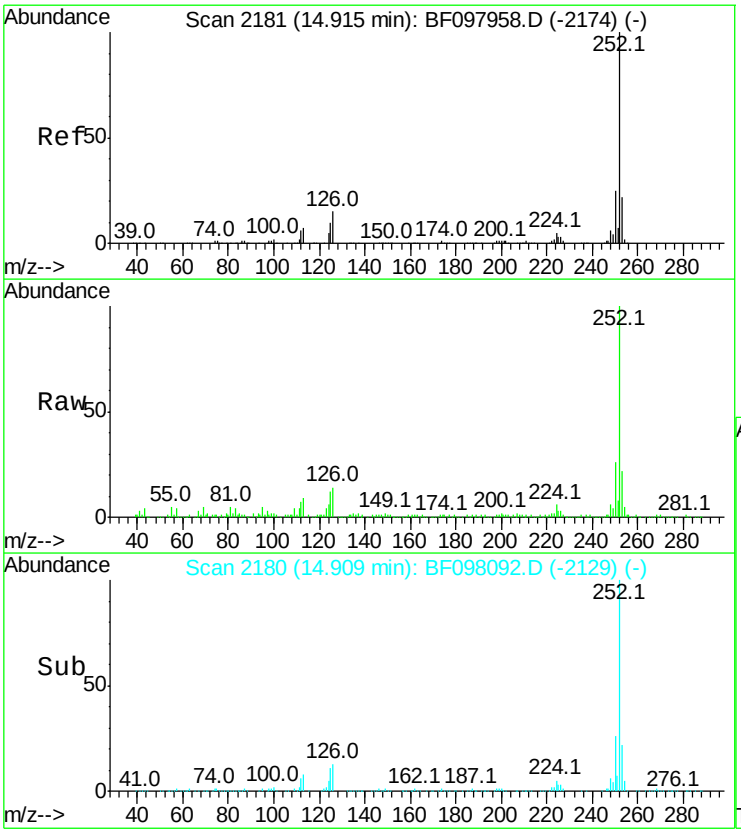
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:264 Resp: 465690

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.7	17.2	25.8

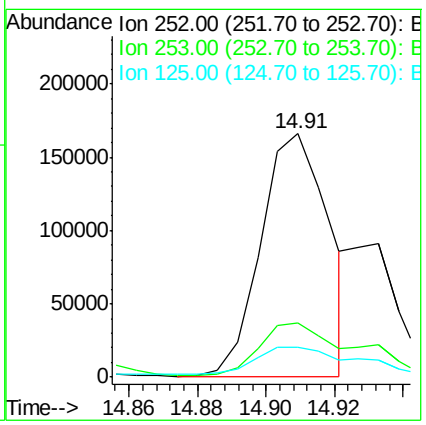


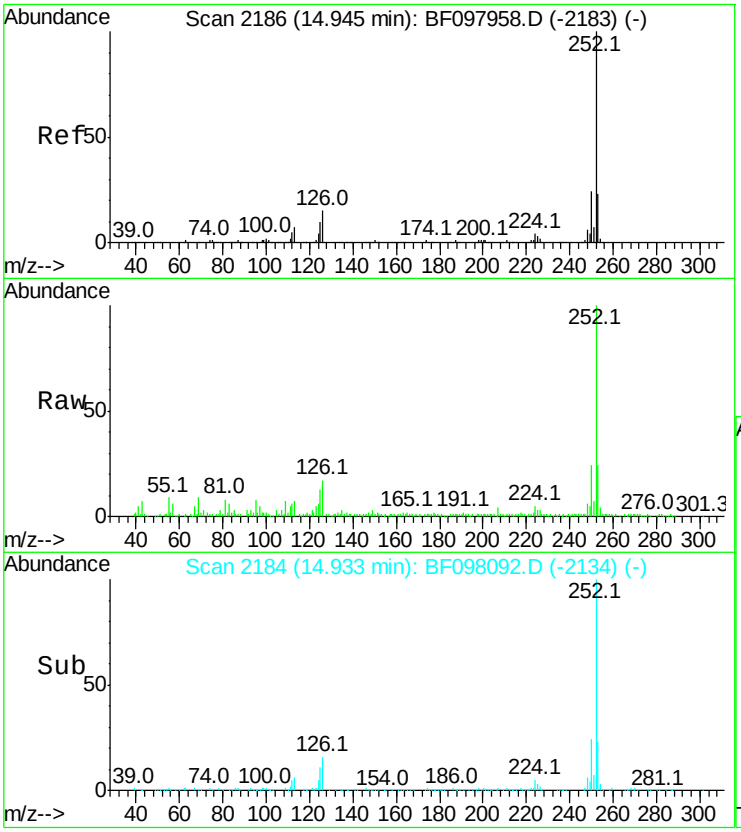


#87
Benzo(b)fluoranthene
Concen: 7.737 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:252 Resp: 227098

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.4	9.8	14.8



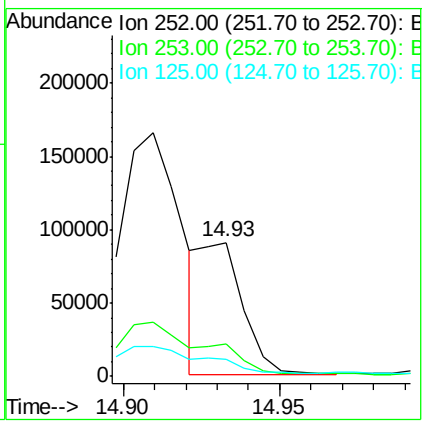


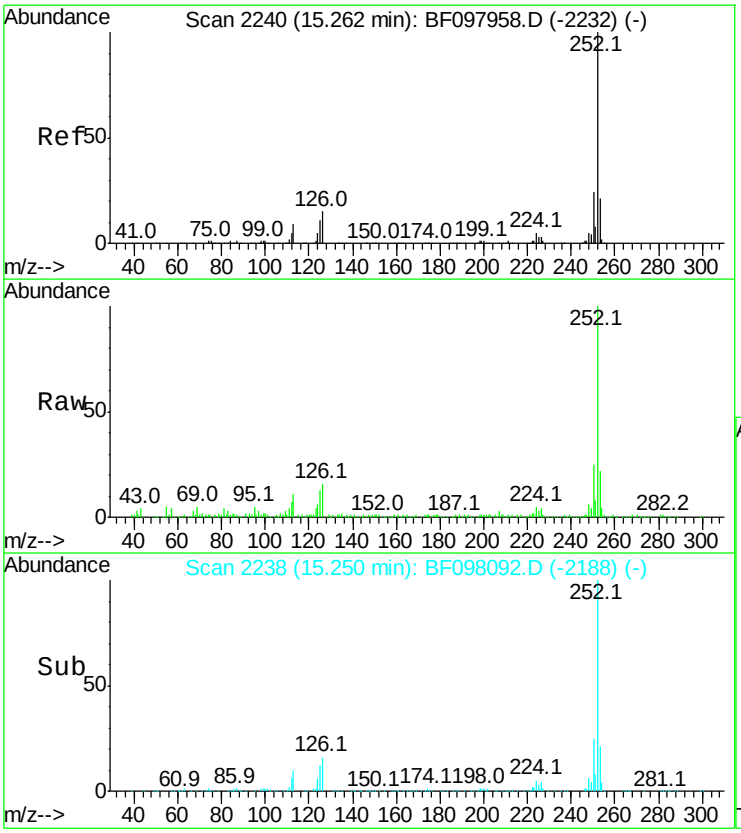
#88
Benzo(k)fluoranthene
Concen: 3.066 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:252 Resp: 84546

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	13.0	13.1	19.7#

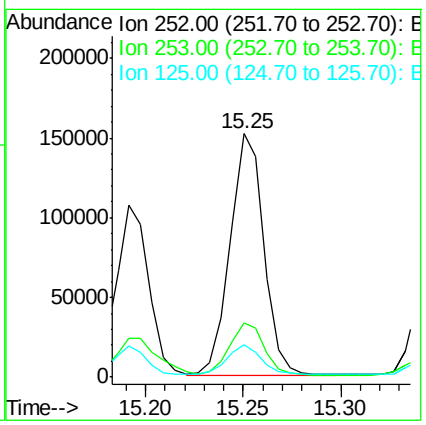


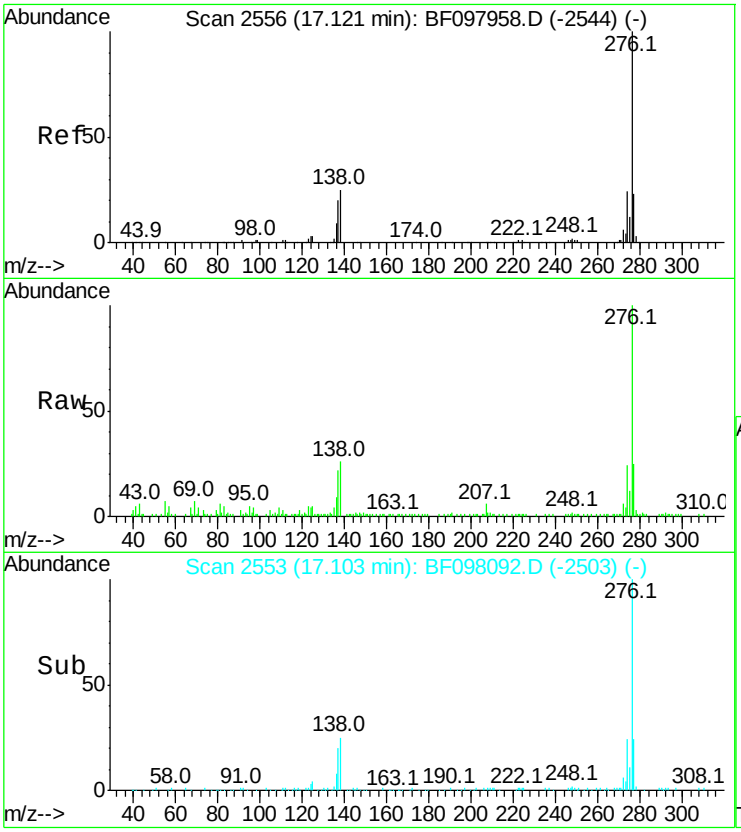


#89
Benzo(a)pyrene
Concen: 7.040 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Tgt Ion:252 Resp: 182938

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	13.4	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 5.475 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.01 min
Lab File: BF098092.D
Acq: 29 Aug 2017 3:20

Instrument :
BNA_F
ClientSampleId :
RT2321-RT2315-20-02-RB36575

Tgt Ion:276 Resp: 120862

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	25.9	25.4	38.0