Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094749.D
Acq On : 1 May 2017 14:17
Operator : SJ/MA
Sample : I2902-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2B

Quant Time: May 02 02:22:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	107865	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	427945	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	203324	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	337586	20.00	ng	0.00
75) Chrysene-d12	14.47	240	251708	20.00	ng	0.00
86) Perylene-d12	16.09	264	179534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	39213	6.03	ng	0.03
7) Phenol-d6	5.41	99	31282	4.08	ng	0.01
23) Nitrobenzene-d5	6.41	82	74465	10.74	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	22754	14.31	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	171856	12.44	ng	-0.01
78) Terphenyl-d14	13.18	244	135721	14.41	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.28	128	1630749	79.27	ng	100
35) Caprolactam	7.77	113	35212	18.92	ng	95
37) 2-Methylnaphthalene	8.12	142	266891	18.96	ng	98
45) 1,1'-Biphenyl	8.69	154	116284	7.00	ng	97
48) Acenaphthylene	9.21	152	342784	16.65	ng	98
51) Acenaphthene	9.42	154	61568	4.99	ng	98
57) Fluorene	10.07	166	106409	7.62	ng	99
70) Phenanthrene	11.24	178	433413	22.80	ng	97
71) Anthracene	11.31	178	67532	3.43	ng	100
74) Fluoranthene	12.70	202	109583	5.56	ng	99
77) Pyrene	12.98	202	147613	8.39	ng	99

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

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BNA_F
ClientSampleId :
MW-2B

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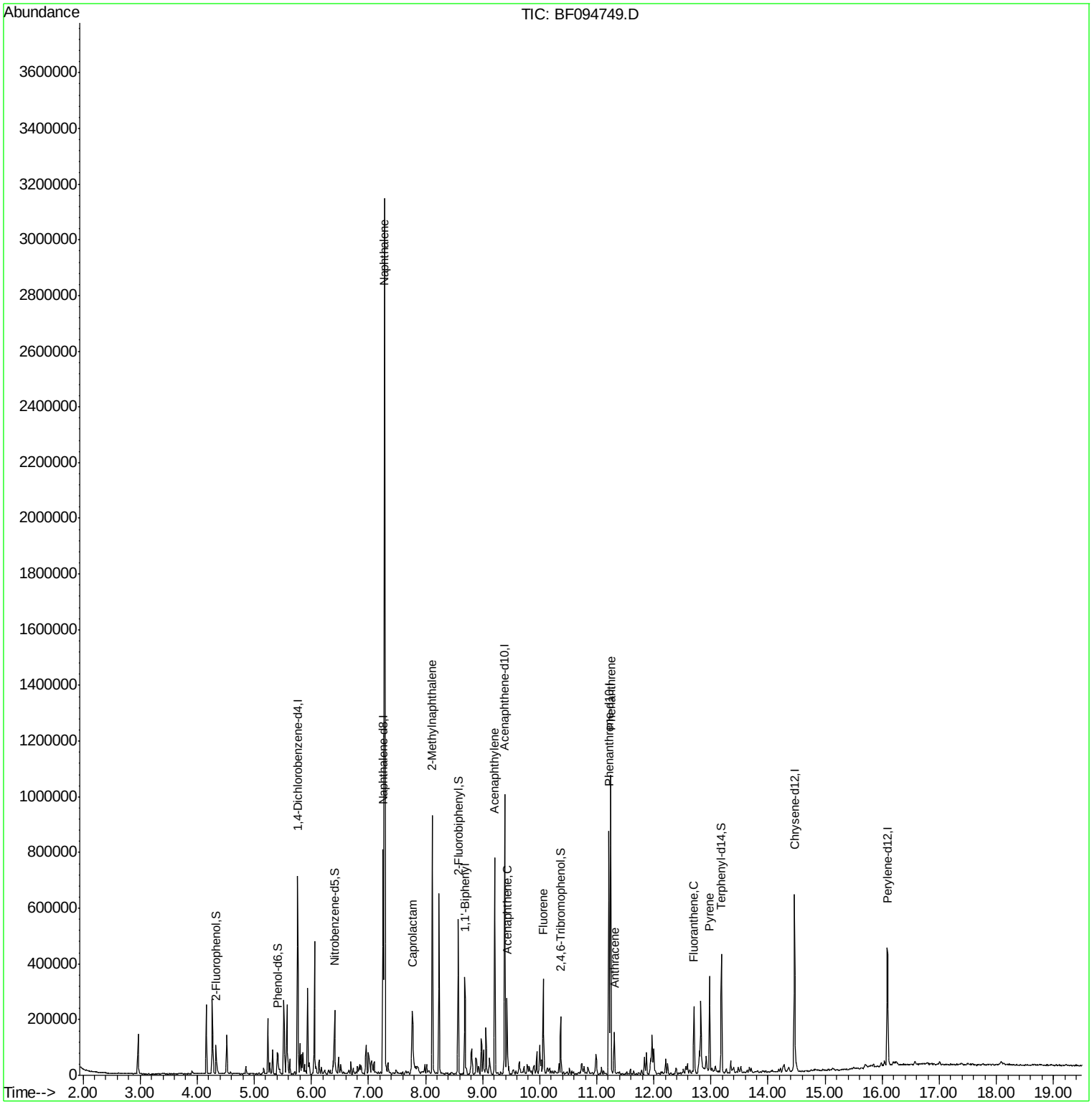
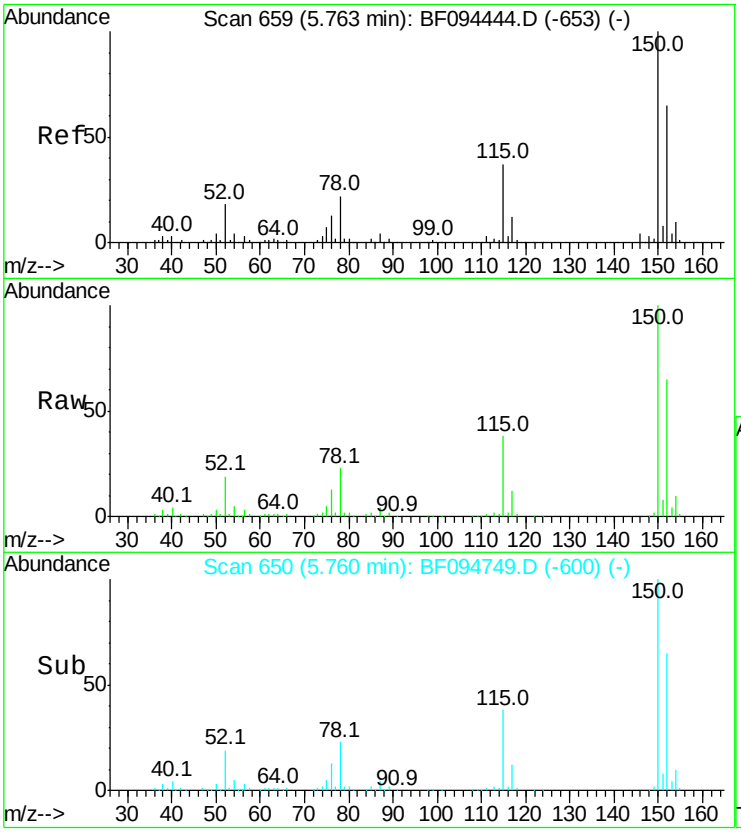


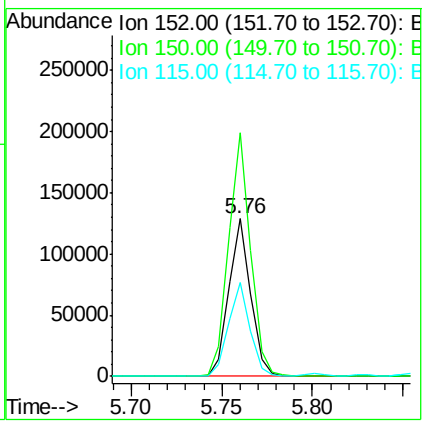


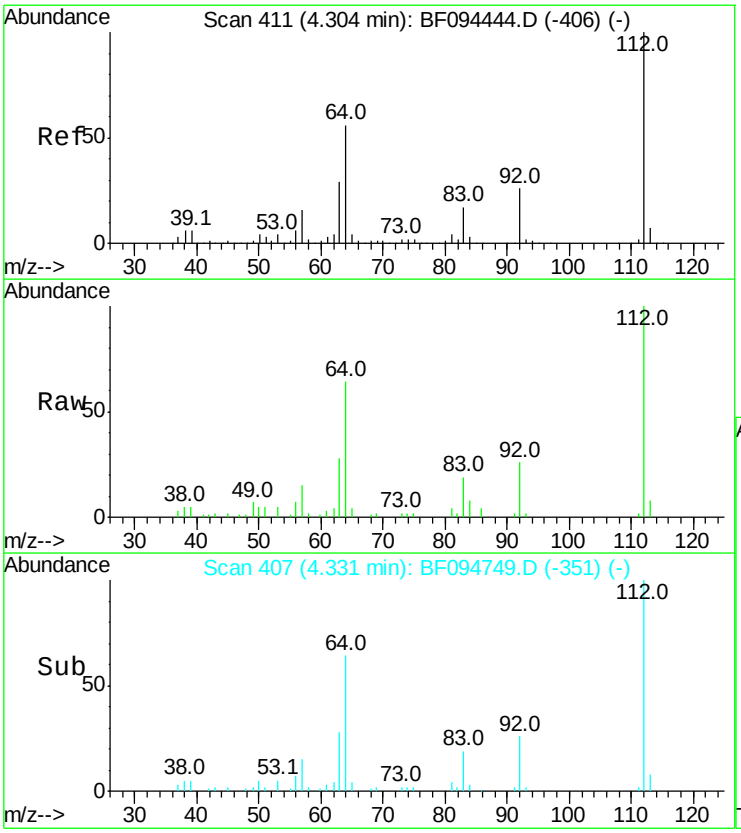
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.76 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:152 Resp: 107865

Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.2	189.2
115	59.4	52.2	78.2

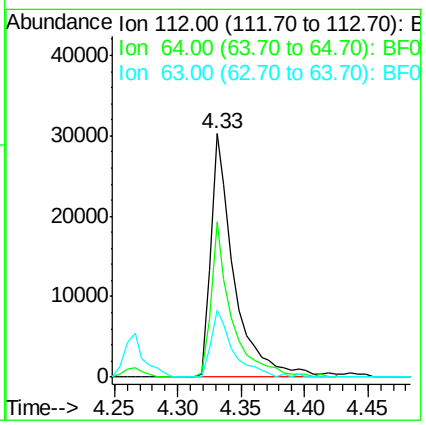


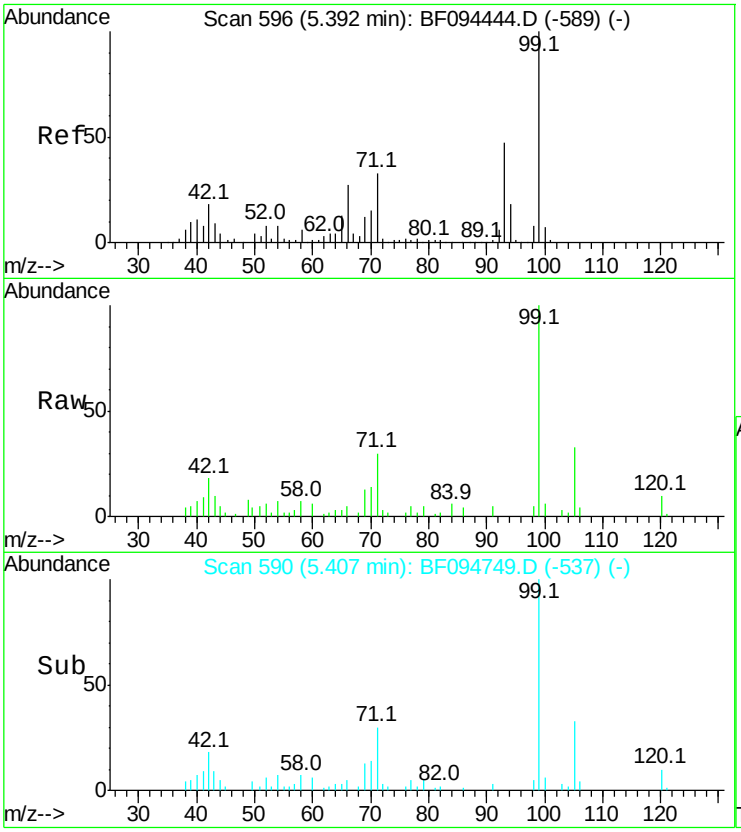


#5
2-Fluorophenol
Concen: 6.03 ng
RT: 4.33 min Scan# 407
Delta R.T. 0.03 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:112 Resp: 39213

Ion	Ratio	Lower	Upper
112	100		
64	63.8	46.0	69.0
63	27.7	23.4	35.0



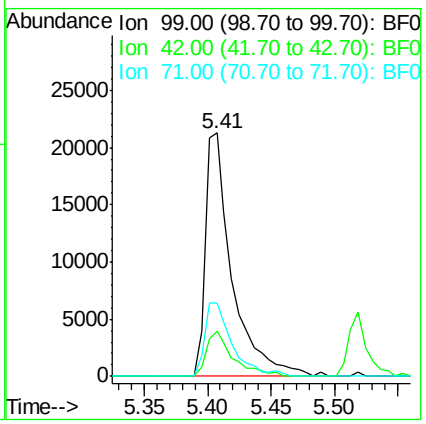


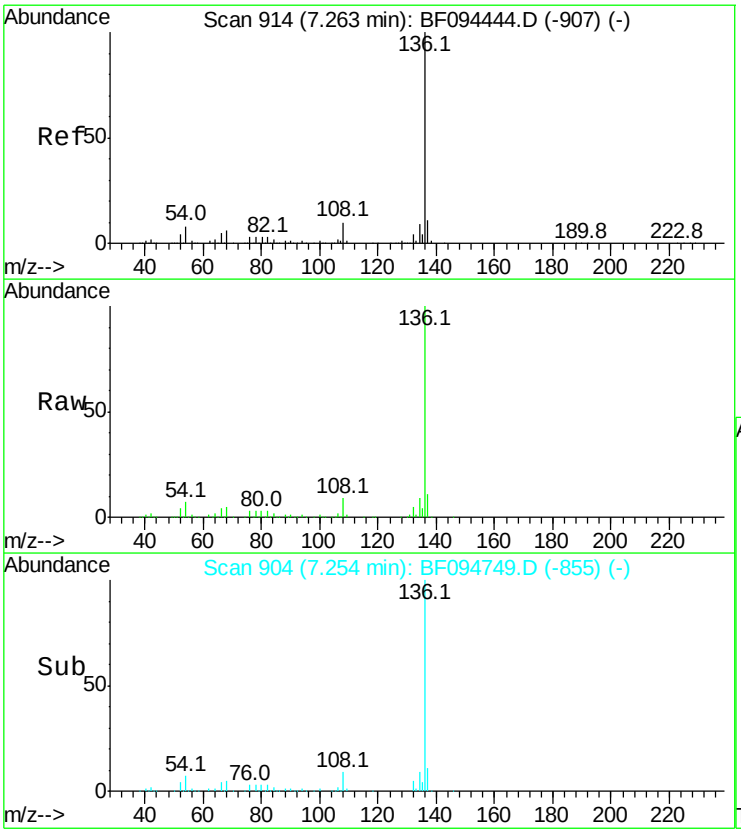
#7
Phenol-d6
Concen: 4.08 ng
RT: 5.41 min Scan# 590
Delta R.T. 0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion: 99 Resp: 31282

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.5	20.3
71	30.2	24.5	36.7

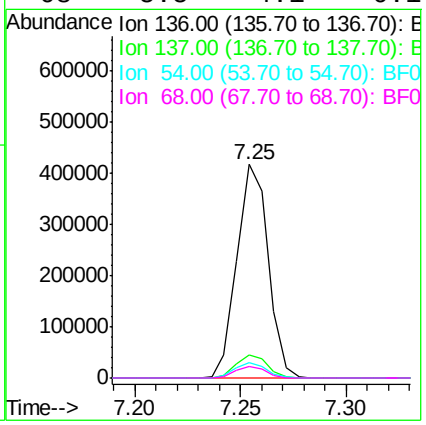


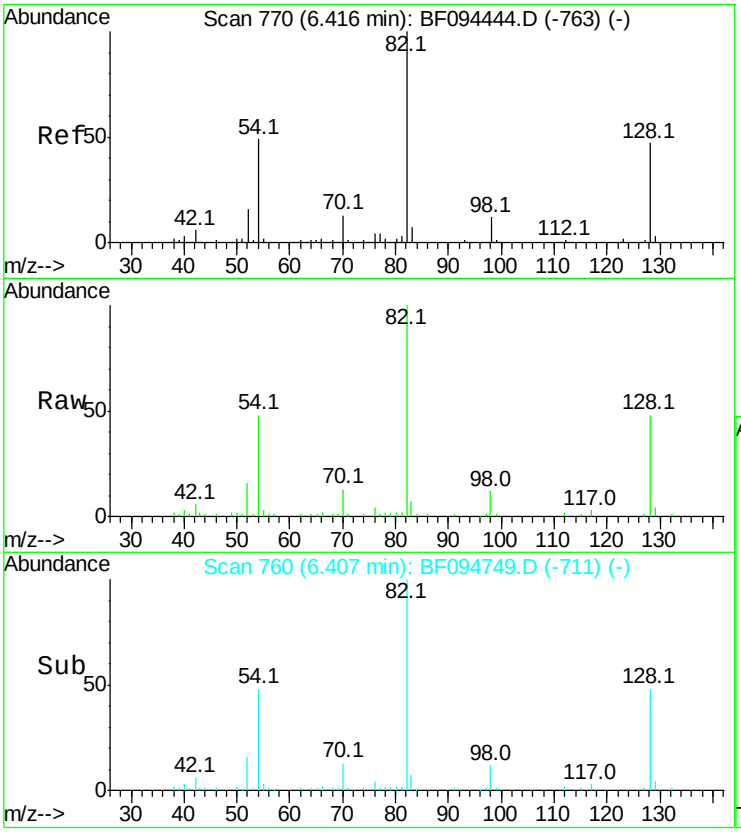


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:136 Resp: 427945

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.1	4.9	7.3
68	5.5	4.1	6.1



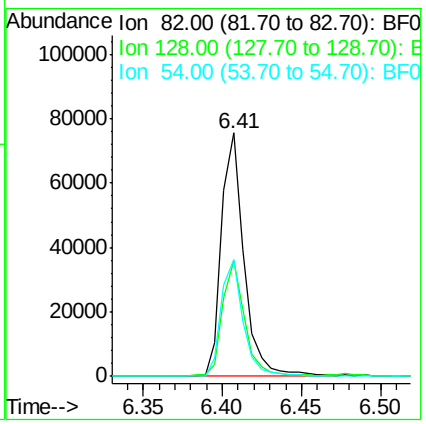


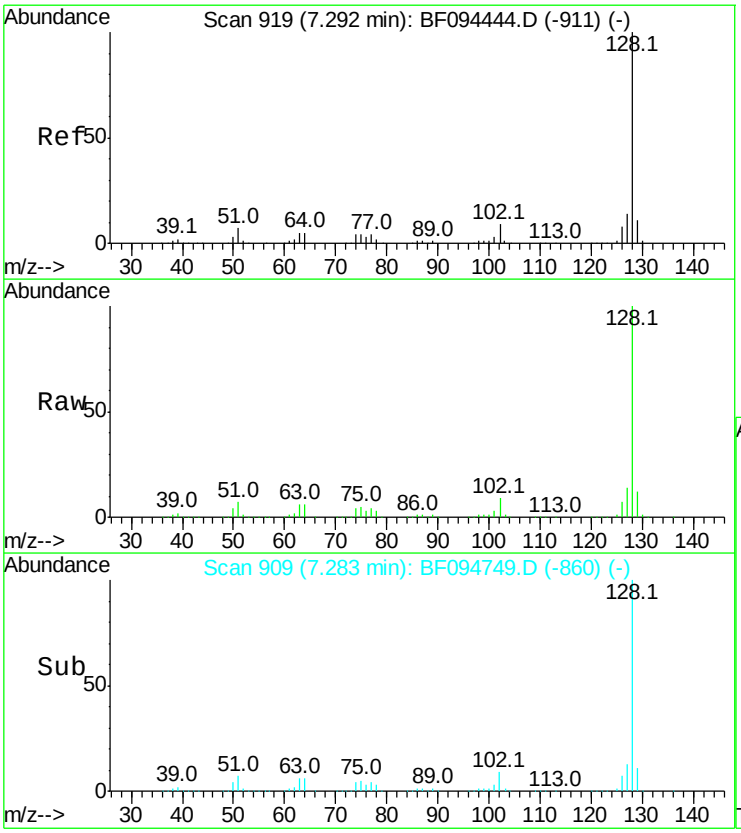
#23
Nitrobenzene-d5
Concen: 10.74 ng
RT: 6.41 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion: 82 Resp: 74465

Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	48.0	42.2	63.2

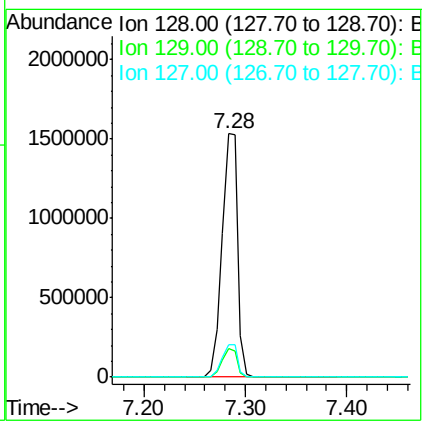


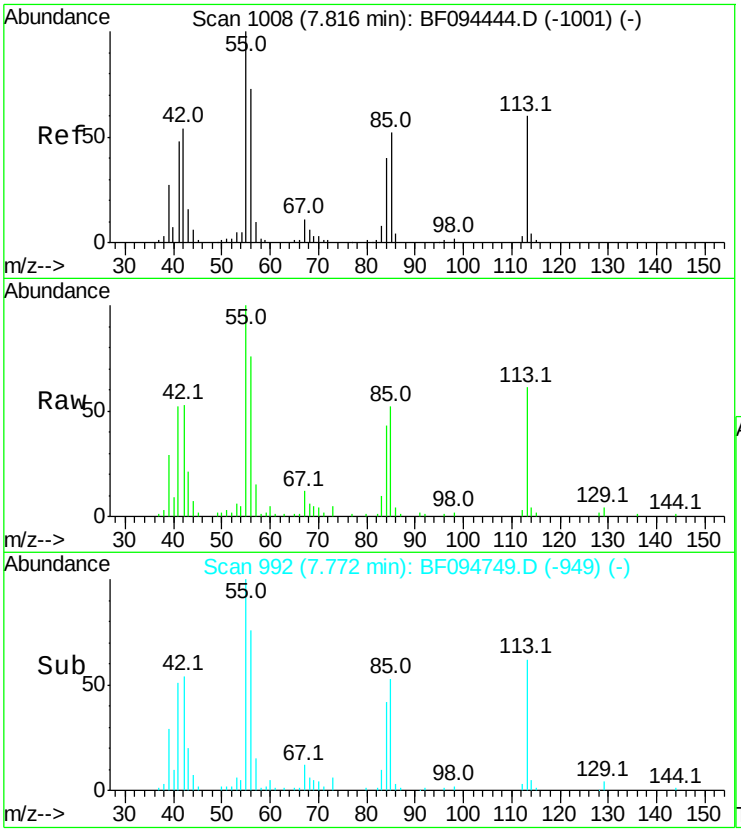


#31
Naphthalene
Concen: 79.27 ng
RT: 7.28 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:128 Resp: 1630749

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.5	10.8	16.2



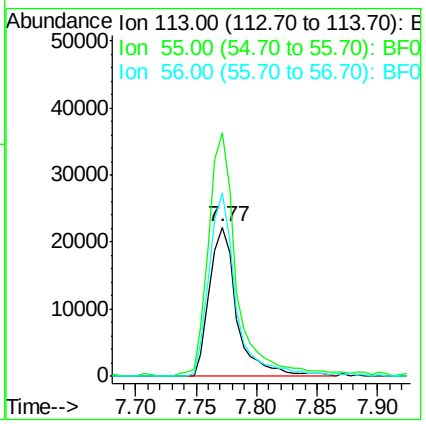


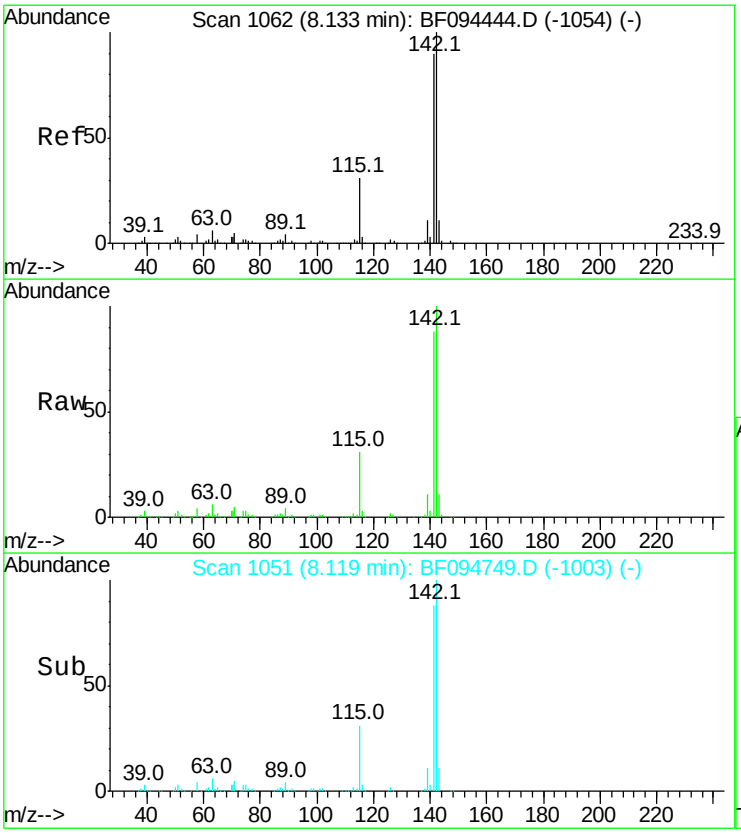
#35
Caprolactam
Concen: 18.92 ng
RT: 7.77 min Scan# 992
Delta R.T. -0.04 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:113 Resp: 35212

Ion	Ratio	Lower	Upper
113	100		
55	163.2	150.2	190.2
56	123.4	107.8	147.8

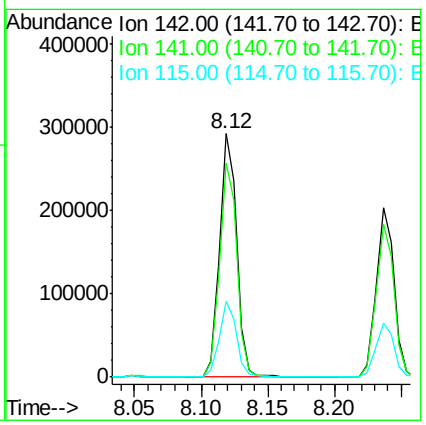


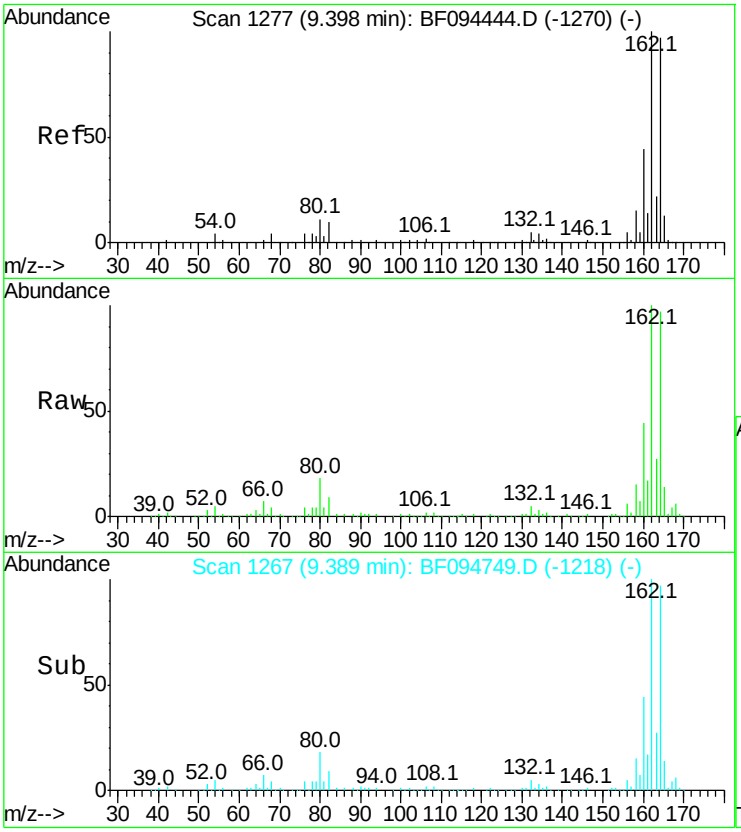


#37
2-Methylnaphthalene
Concen: 18.96 ng
RT: 8.12 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:142 Resp: 266891

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9
115	31.1	27.1	40.7



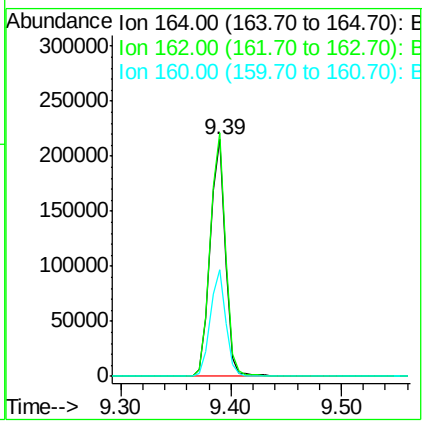


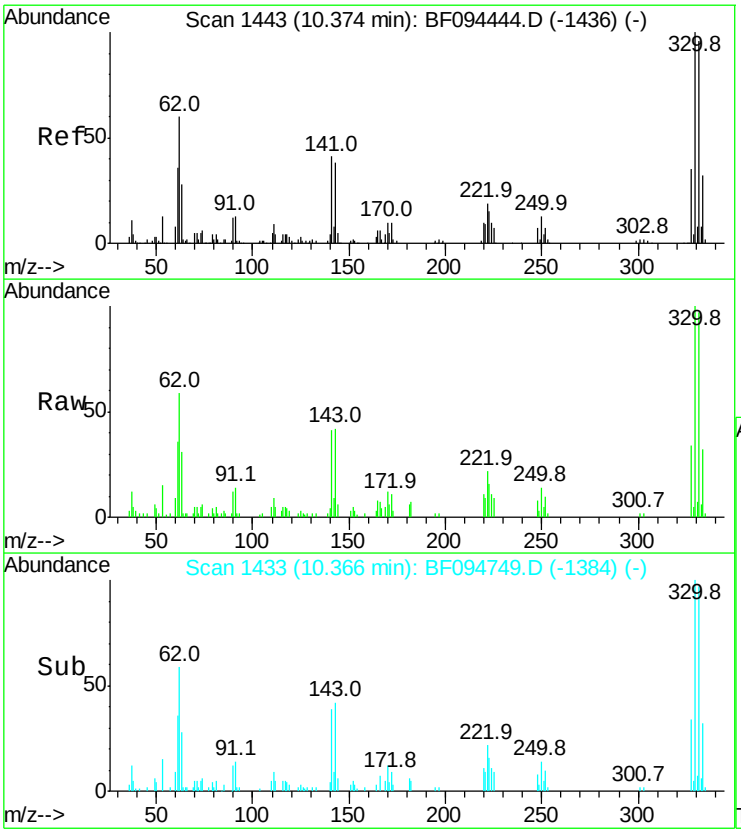
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:164 Resp: 203324

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	123.8
160	45.3	36.2	54.2

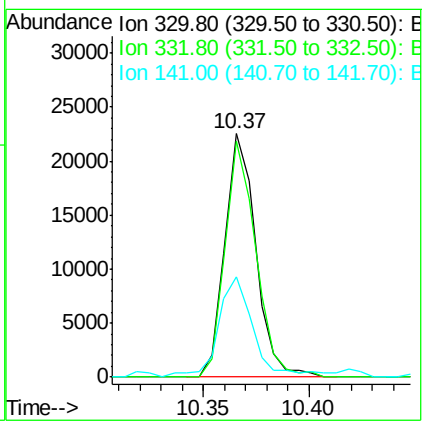


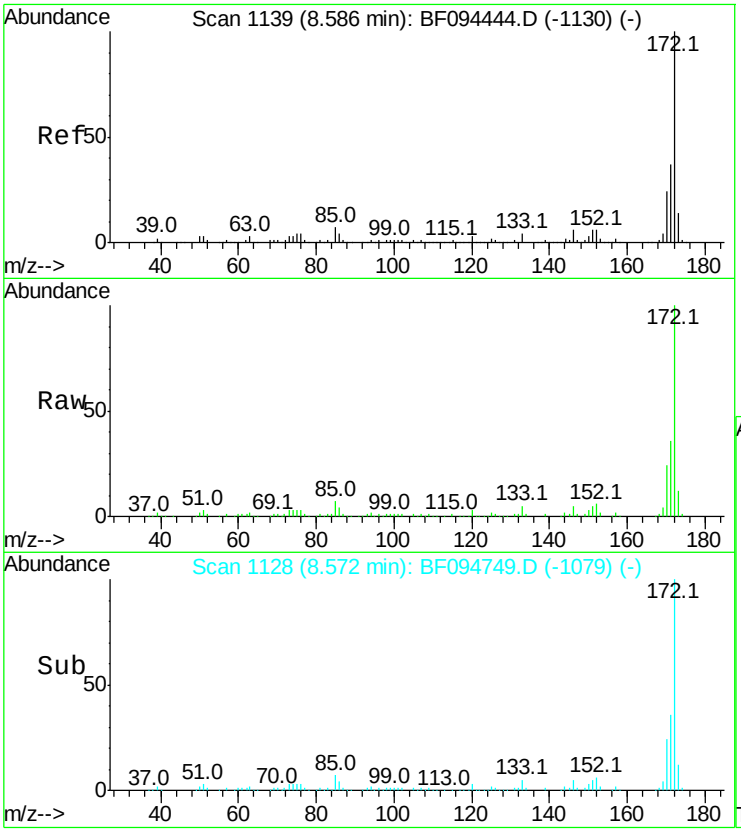


#41
2,4,6-Tribromophenol
Concen: 14.31 ng
RT: 10.37 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:330 Resp: 22754

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	46.2	31.4	47.2



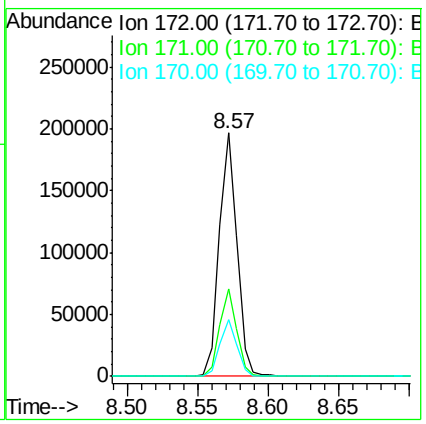


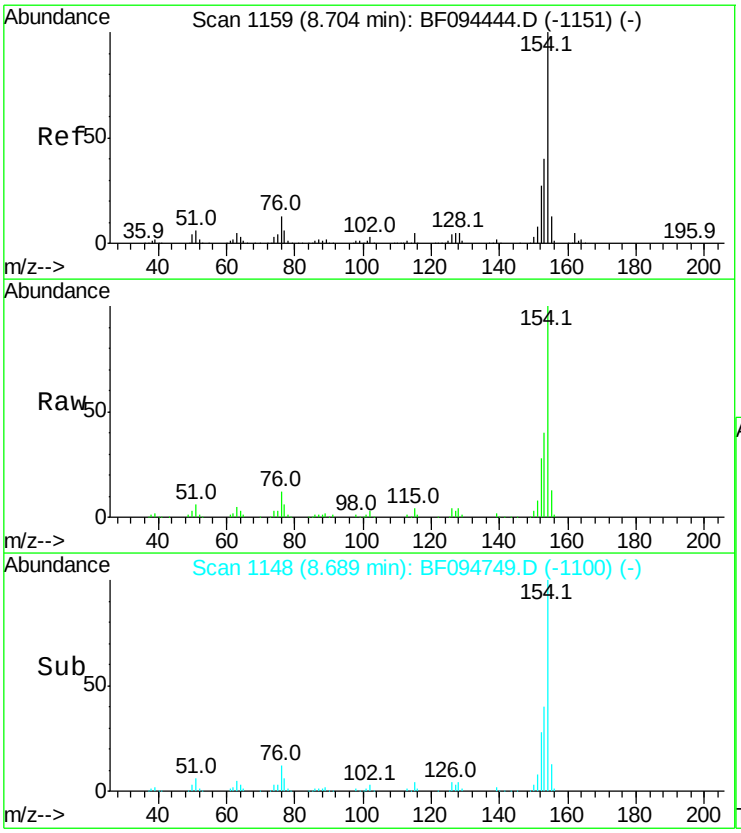
#44
2-Fluorobiphenyl
Concen: 12.44 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:172 Resp: 171856

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8

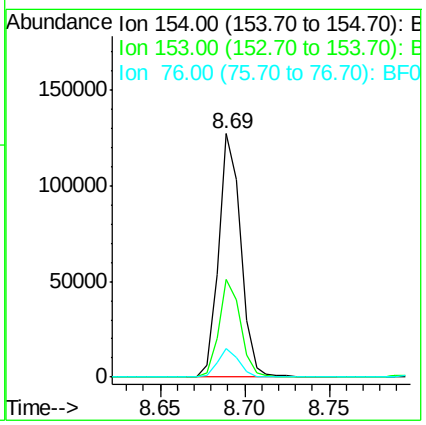


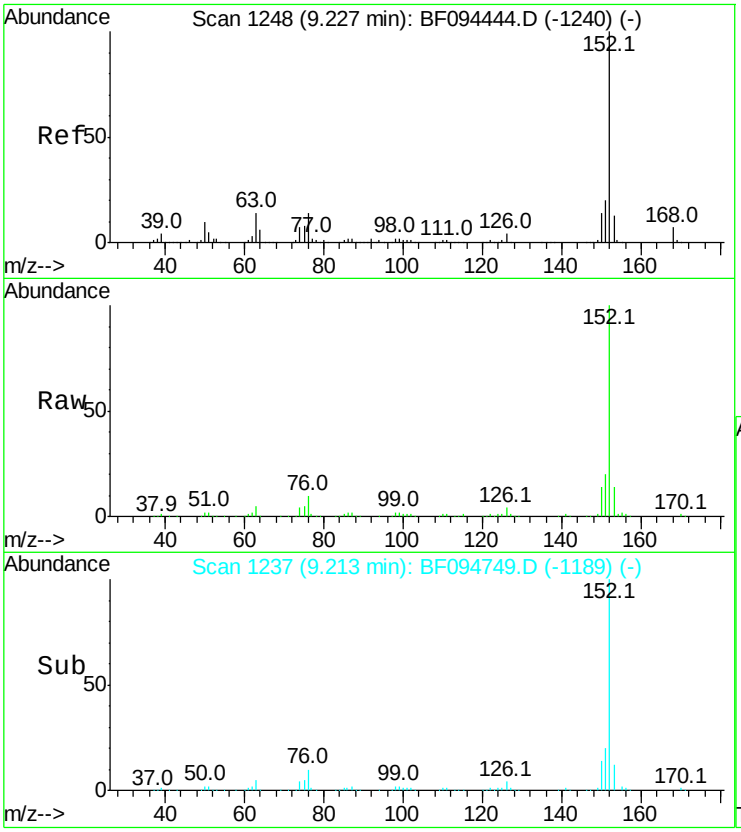


#45
1,1'-Biphenyl
Concen: 7.00 ng
RT: 8.69 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:154 Resp: 116284

Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.2	61.2
76	11.6	0.0	29.9



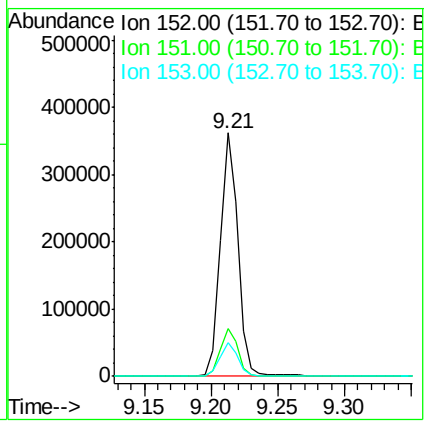


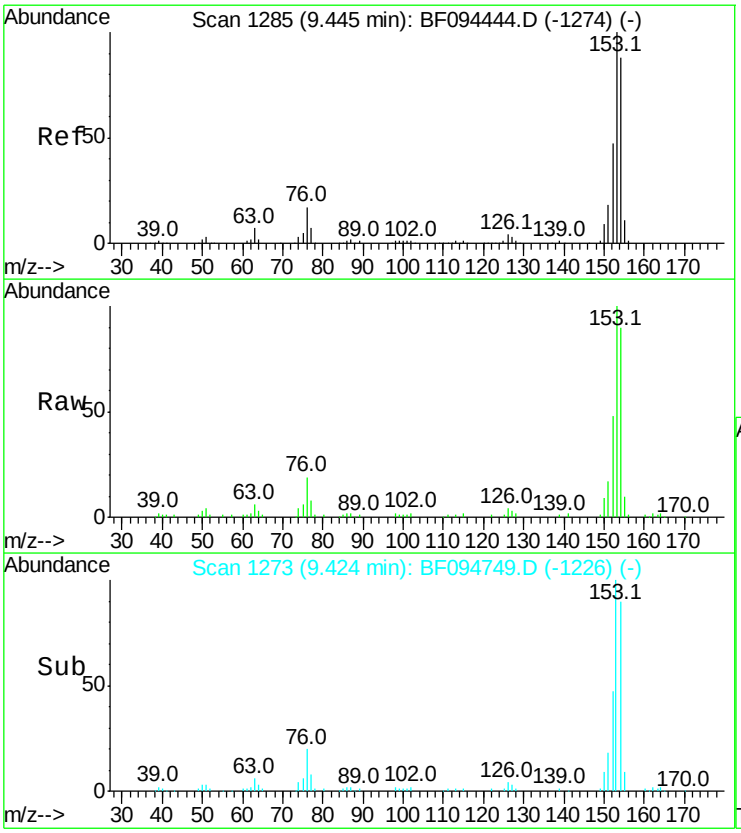
#48
Acenaphthylene
Concen: 16.65 ng
RT: 9.21 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:152 Resp: 342784

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	14.1	10.8	16.2

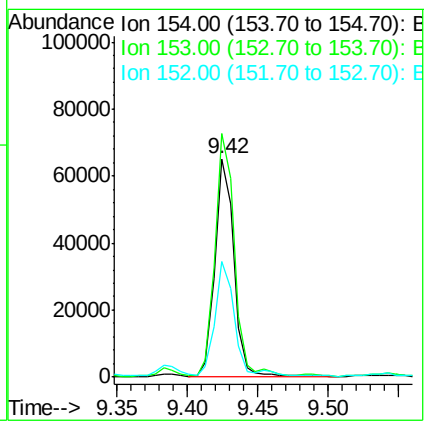


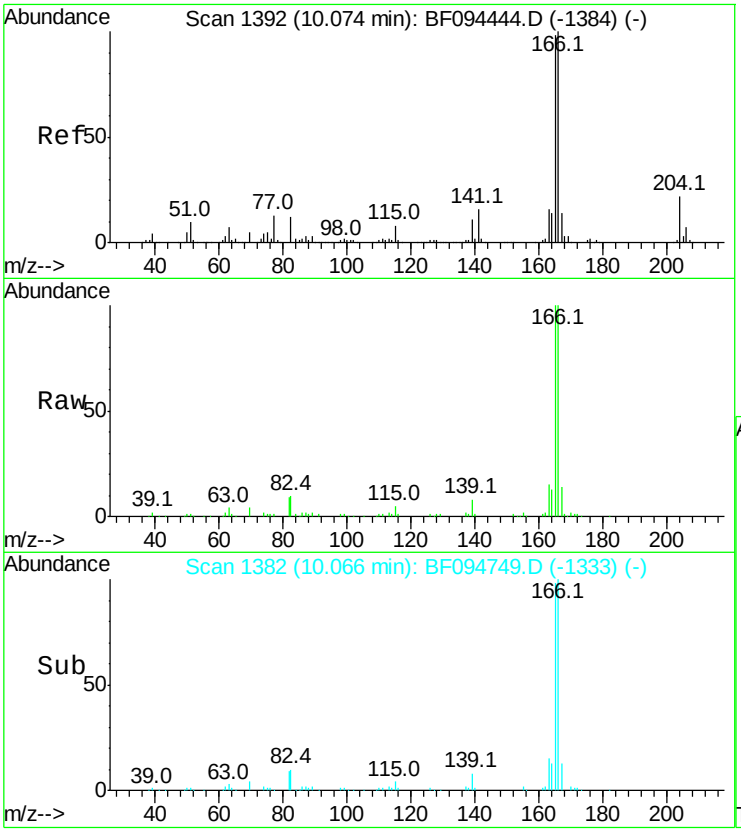


#51
Acenaphthene
Concen: 4.99 ng
RT: 9.42 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:154 Resp: 61568

Ion	Ratio	Lower	Upper
154	100		
153	111.5	90.5	135.7
152	53.1	43.6	65.4



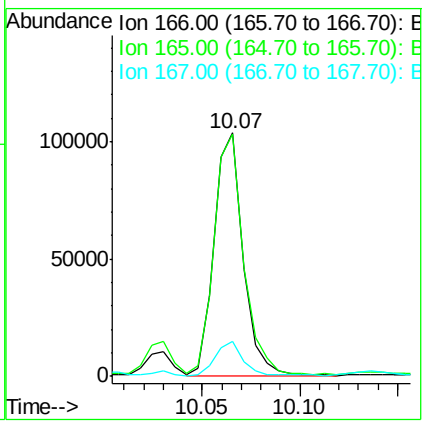


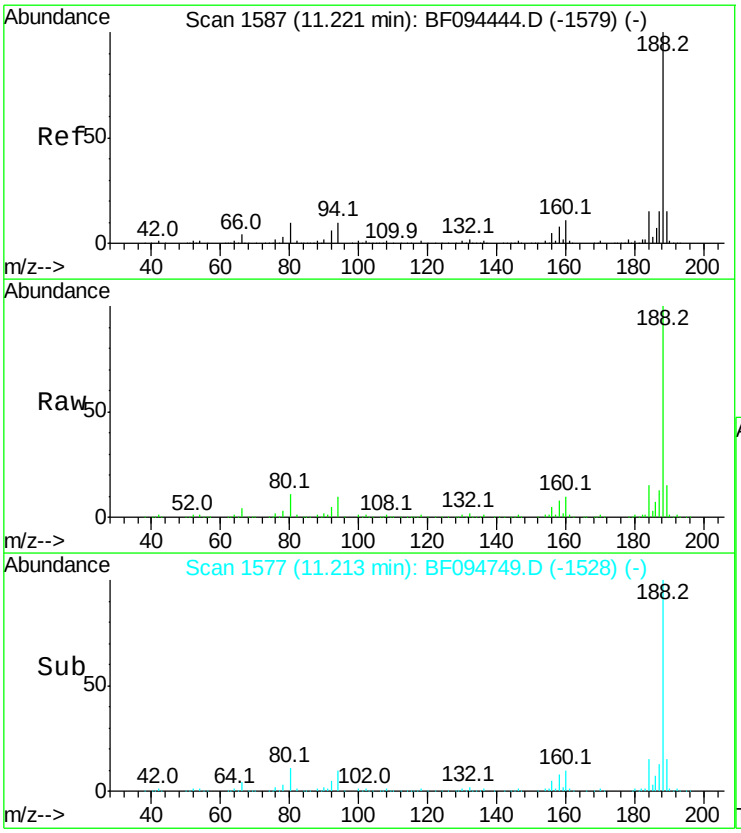
#57
Fluorene
Concen: 7.62 ng
RT: 10.07 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:166 Resp: 106409

Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.8	118.2
167	14.2	10.6	16.0

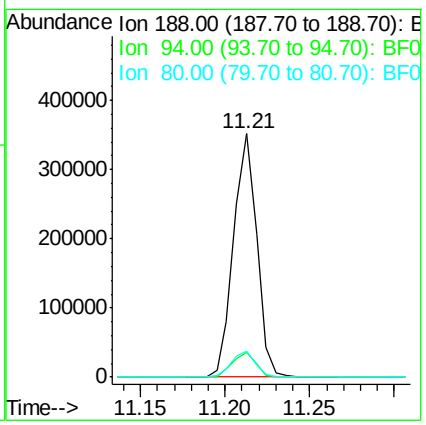


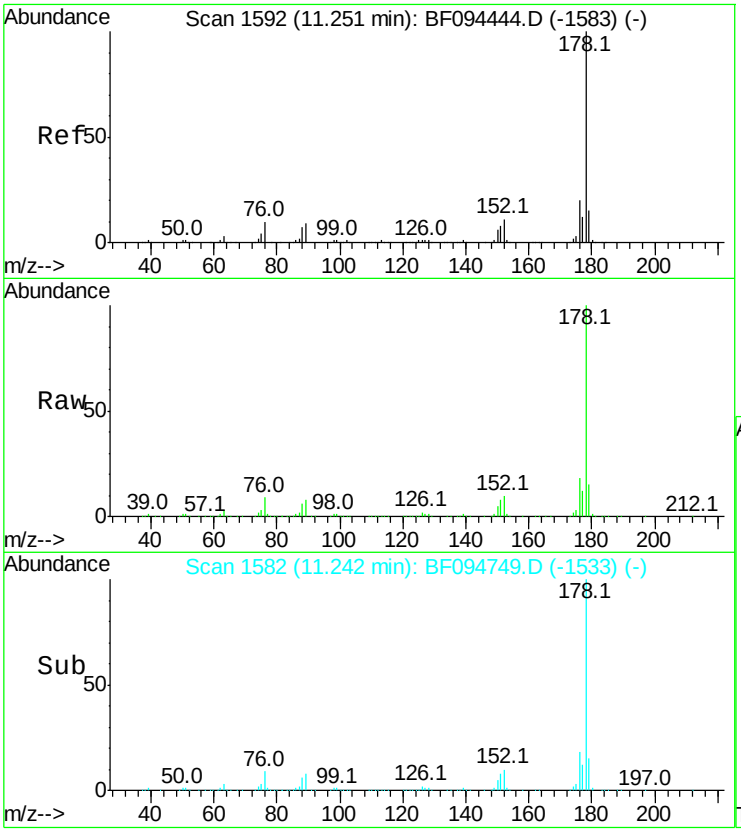


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:188 Resp: 337586

Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	10.8	10.2	15.2



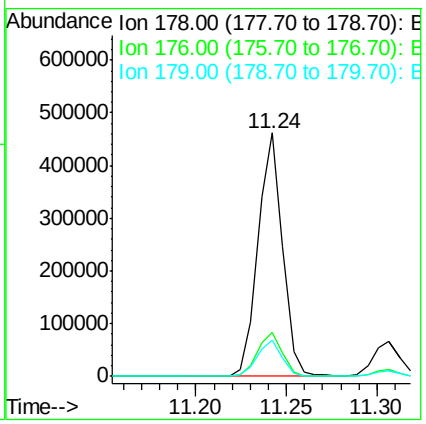


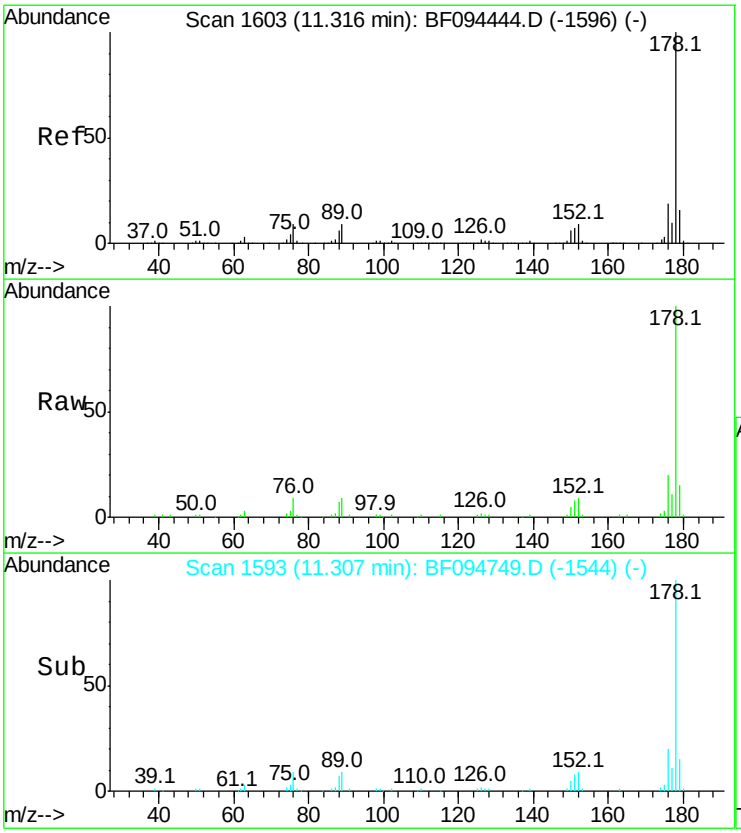
#70
Phenanthrene
Concen: 22.80 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:178 Resp: 433413

Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	15.1	12.6	19.0

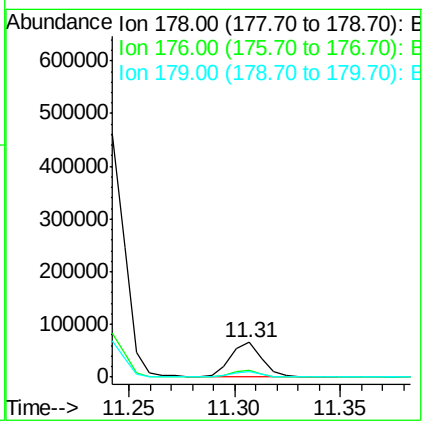


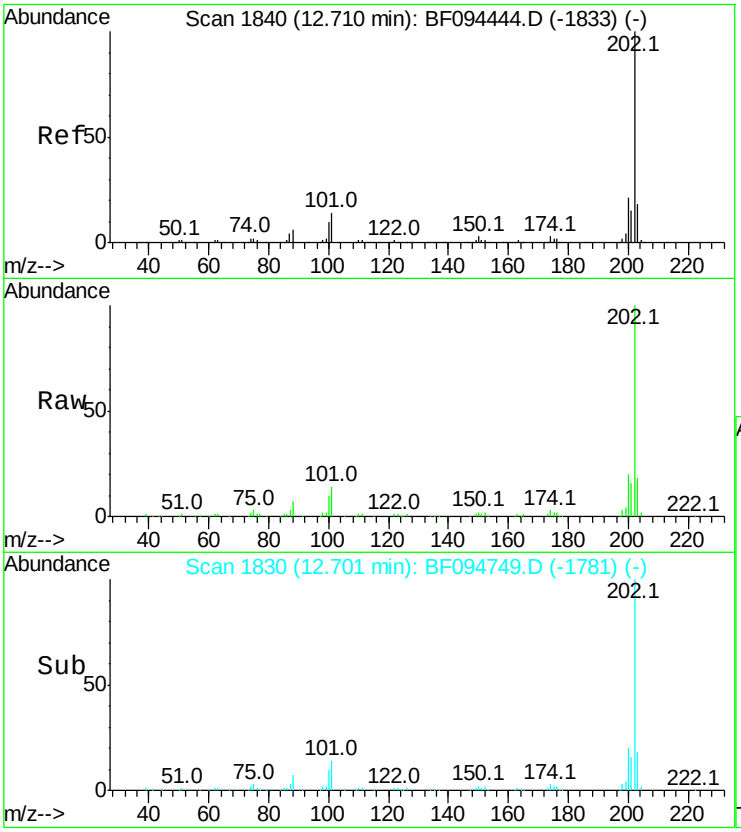


#71
Anthracene
Concen: 3.43 ng
RT: 11.31 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:178 Resp: 67532

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	12.7	19.1



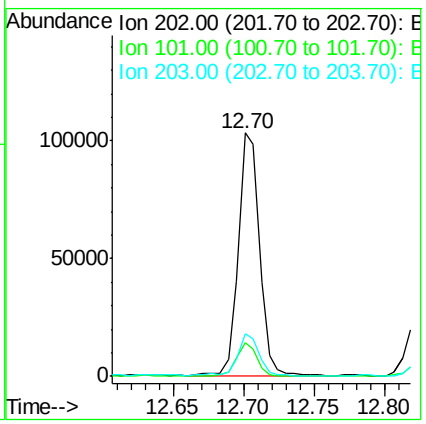


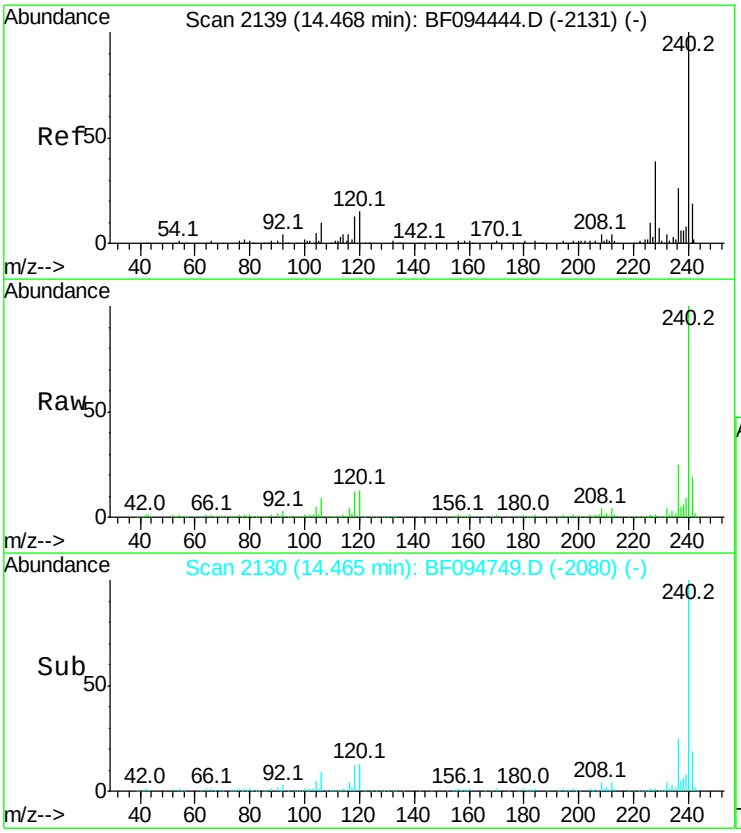
#74
Fluoranthene
Concen: 5.56 ng
RT: 12.70 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:202 Resp: 109583

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.6	0.0	38.1

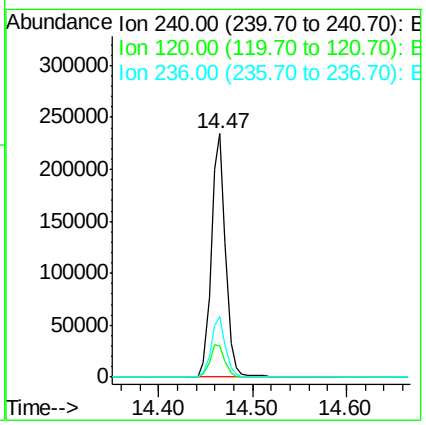


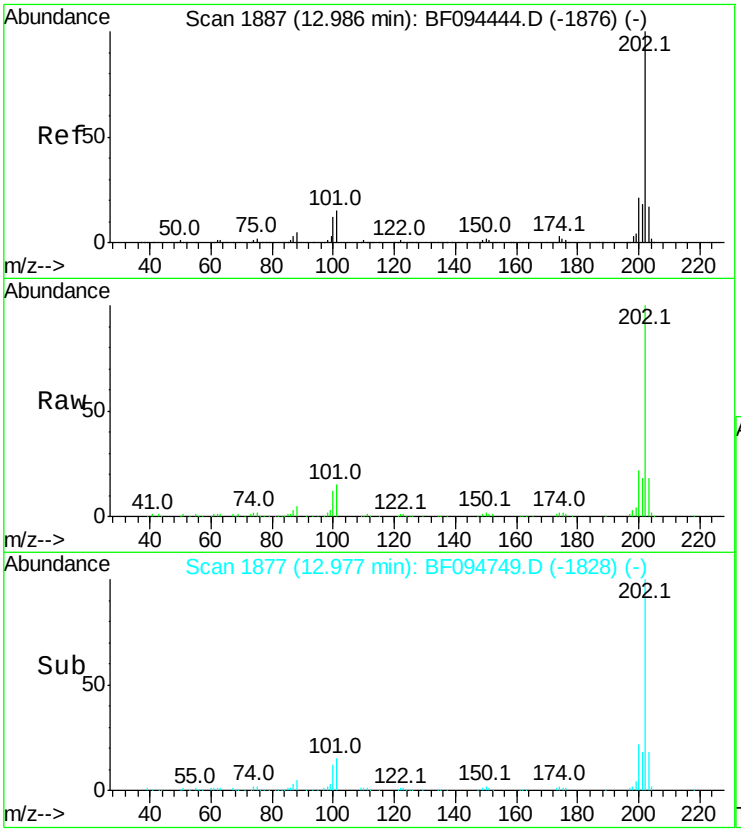


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:240 Resp: 251708

Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	24.9	20.5	30.7



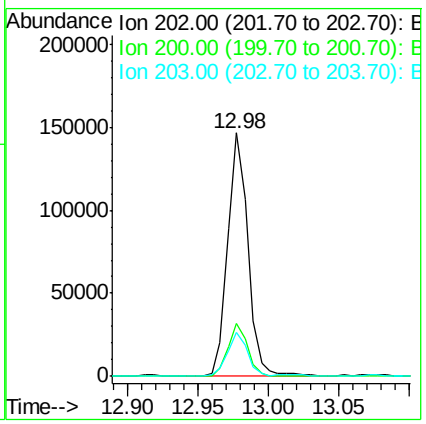


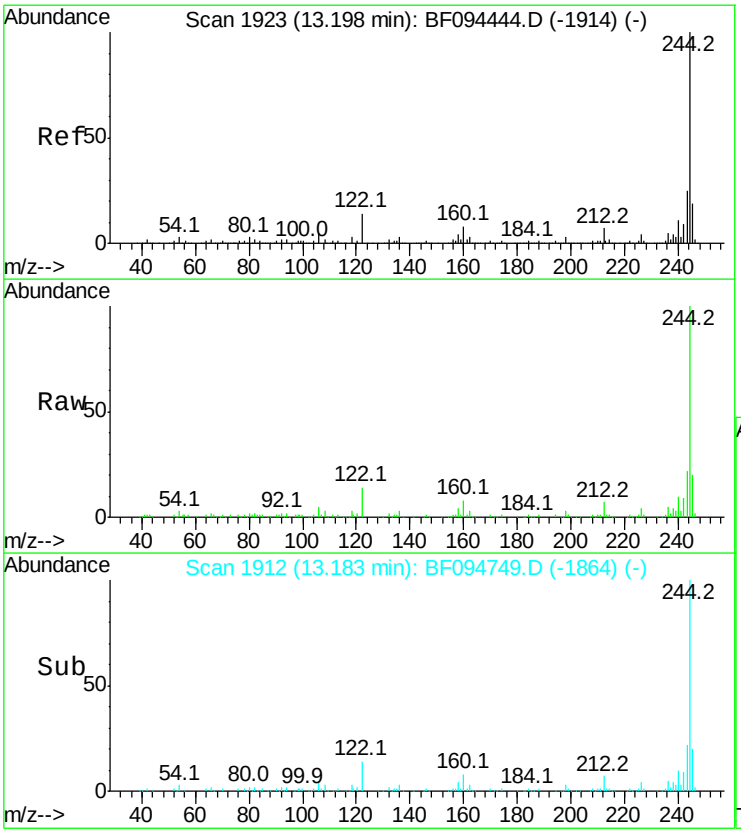
#77
Pyrene
Concen: 8.39 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:202 Resp: 147613

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.0	14.4	21.6

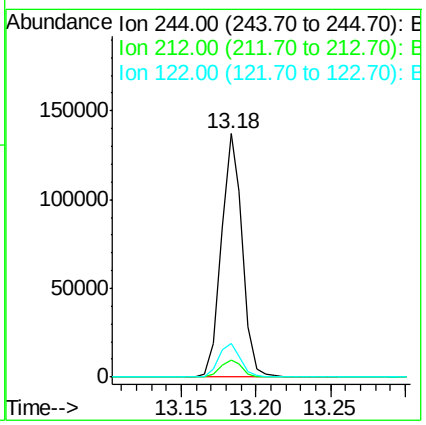


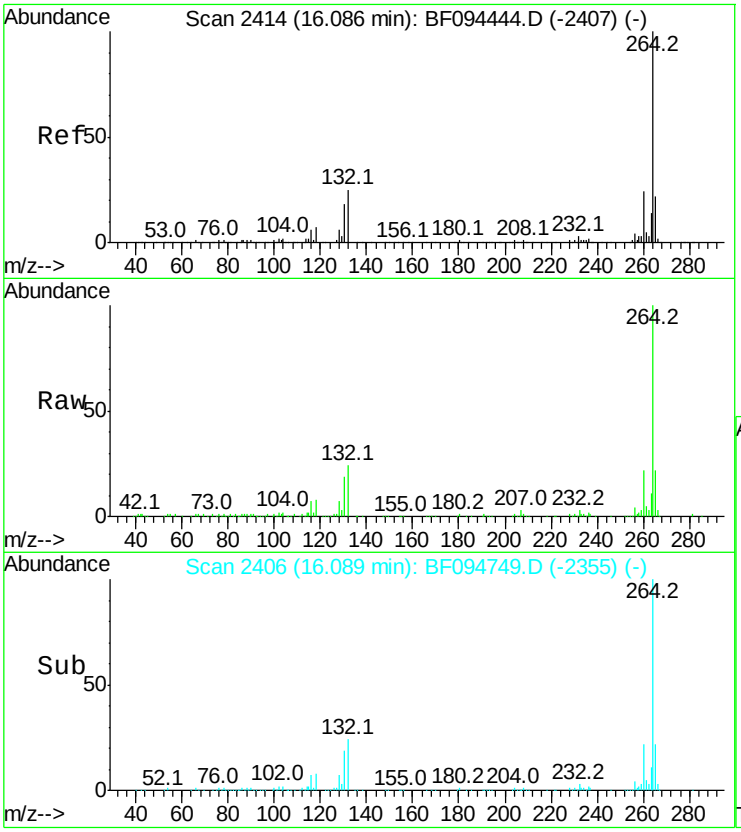


#78
Terphenyl-d14
Concen: 14.41 ng
RT: 13.18 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:244 Resp: 135721

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.0	10.3	15.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :
MW-2B

Tgt Ion:264 Resp: 179534

Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.5	29.3
265	22.5	17.2	25.8