Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040716\
Data File : BF086141.D
Acq On : 7 Apr 2016 20:33
Operator : UM/SJ
Sample : H2230-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RW-1-040116

Quant Time: Apr 08 14:30:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	100483	20.00	ng		-0.03
21) Naphthalene-d8	8.02	136	378826	20.00	ng		-0.05
38) Acenaphthene-d10	9.78	164	205891	20.00	ng		-0.03
63) Phenanthrene-d10	11.26	188	294649	20.00	ng		-0.03
75) Chrysene-d12	13.89	240	199206	20.00	ng		-0.03
86) Perylene-d12	15.30	264	181940	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	403994	68.72	ng		-0.03
7) Phenol-d6	6.38	99	332174	44.49	ng		-0.03
23) Nitrobenzene-d5	7.31	82	703367	109.49	ng		-0.03
41) 2,4,6-Tribromophenol	10.58	330	249310	129.01	ng		-0.02
44) 2-Fluorobiphenyl	9.10	172	963661	77.82	ng		-0.03
78) Terphenyl-d14	12.85	244	964105	113.77	ng		-0.02
Target Compounds							Qvalue
27) 2,4-Dimethylphenol	7.71	122	25502	4.22	ng		95
31) Naphthalene	8.04	128	207610	10.90	ng	#	96
51) Acenaphthene	9.81	154	35204	2.87	ng		89
72) Carbazole	11.50	167	45171	3.12	ng	#	79

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

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Acq On : 7 Apr 2016 20:33
Operator : UM/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
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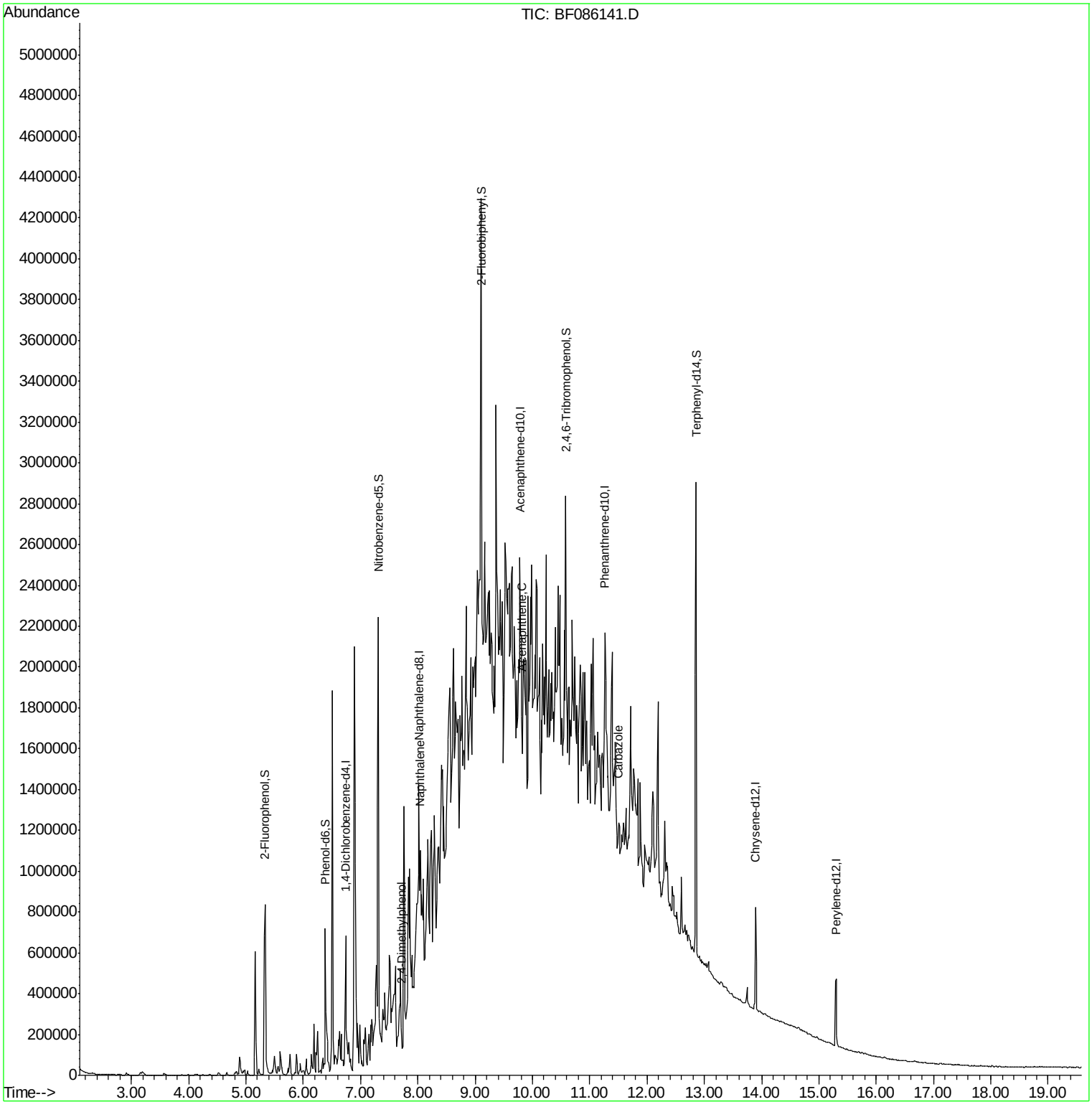
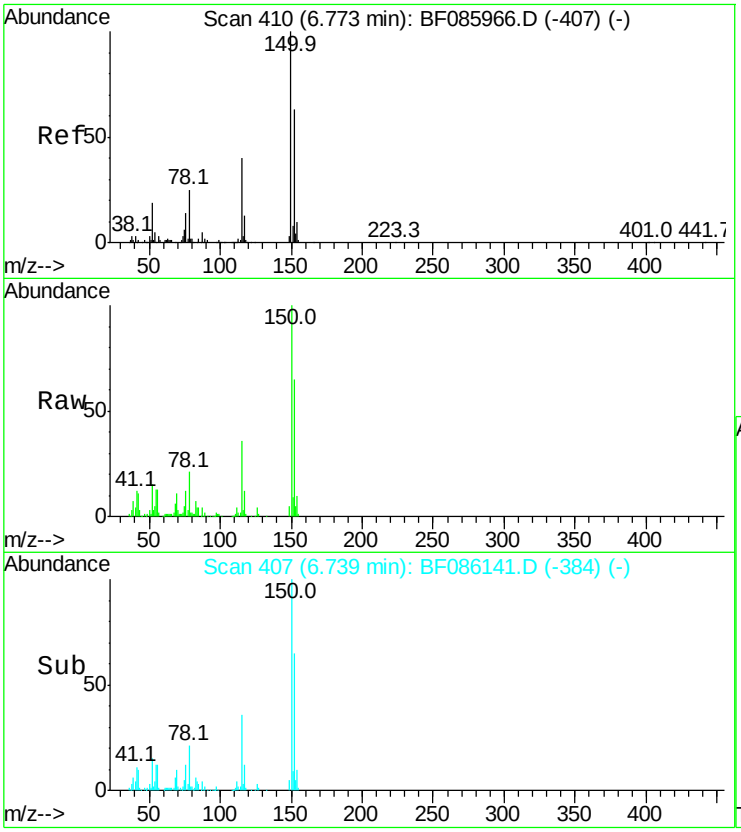


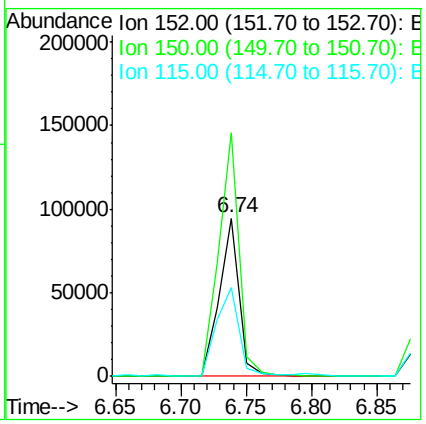


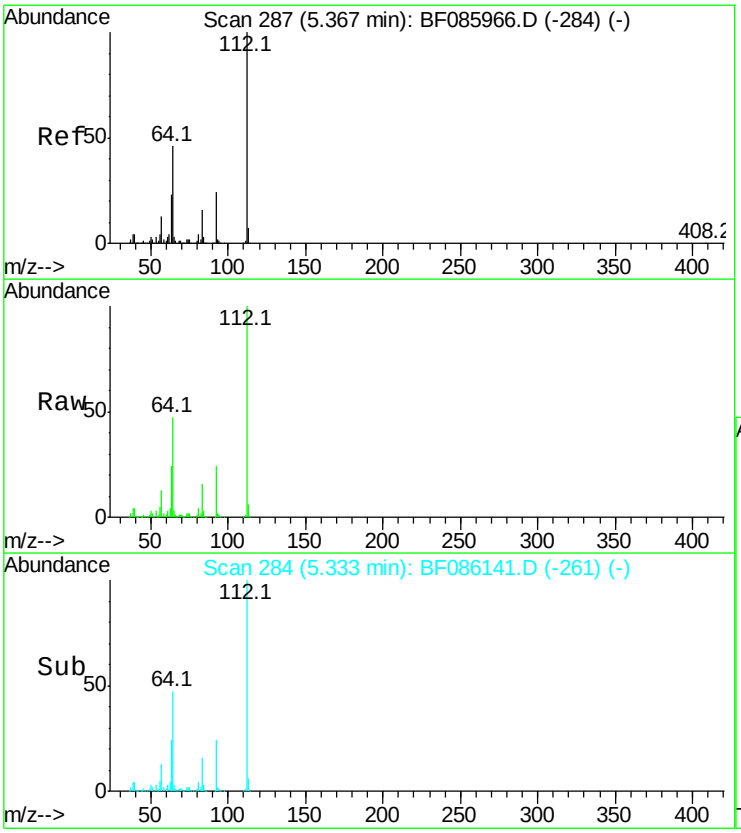
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion:152 Resp: 100483

Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.2	186.2
115	56.0	47.0	70.6

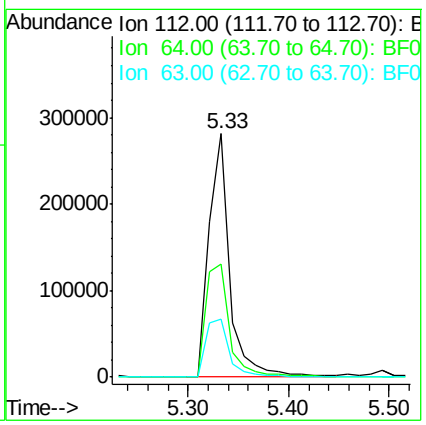


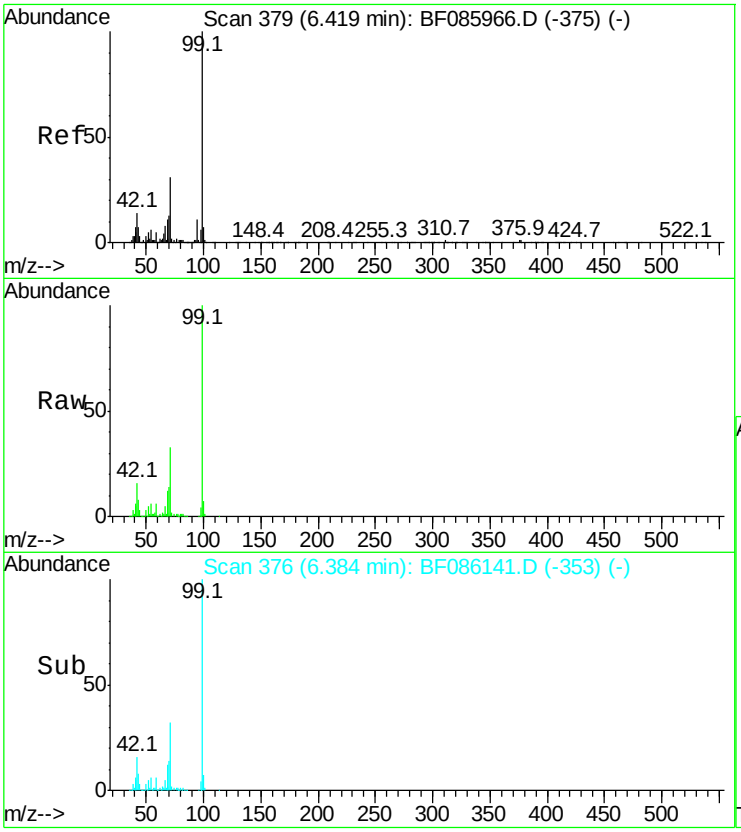


#5
2-Fluorophenol
Concen: 68.72 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:112 Resp: 403994

Ion	Ratio	Lower	Upper
112	100		
64	46.5	39.9	59.9
63	23.9	20.2	30.2



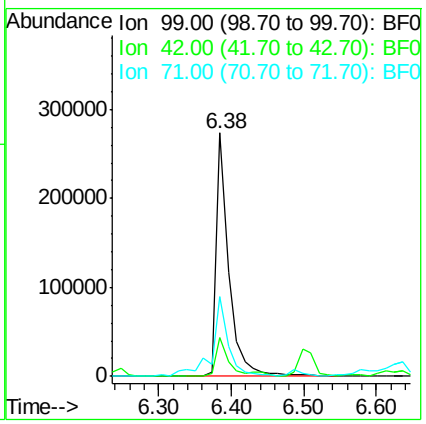


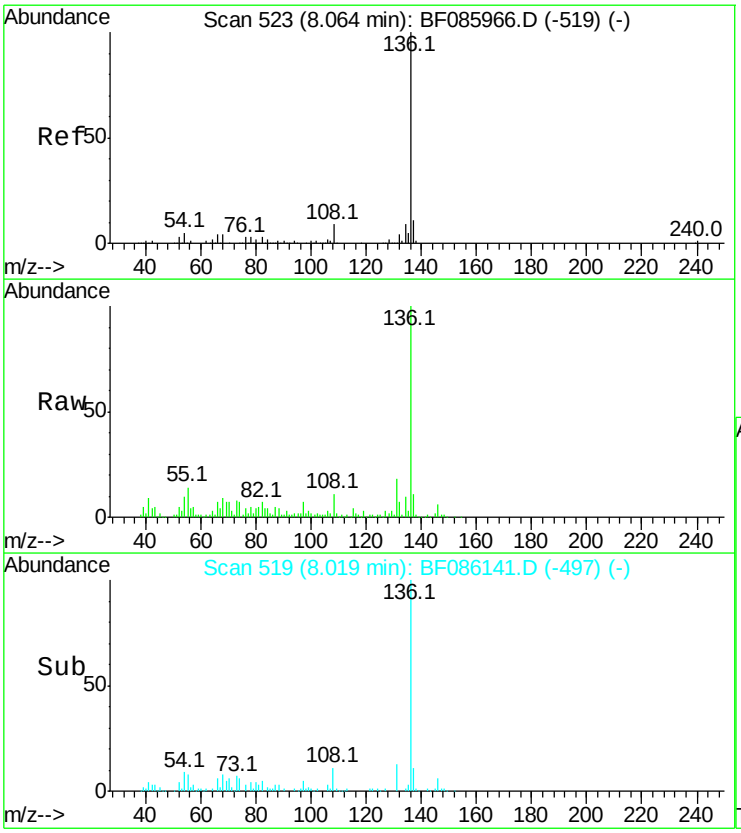
#7
Phenol-d6
Concen: 44.49 ng
RT: 6.38 min Scan# 376
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion: 99 Resp: 332174

Ion	Ratio	Lower	Upper
99	100		
42	15.8	11.1	16.7
71	33.0	24.9	37.3

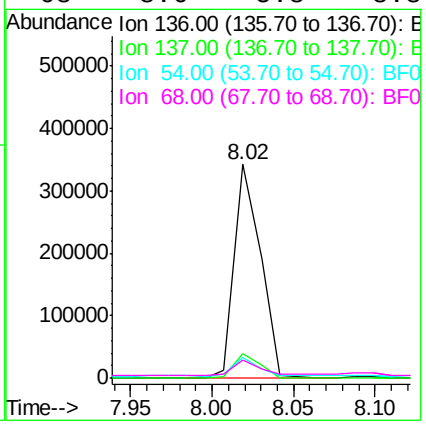


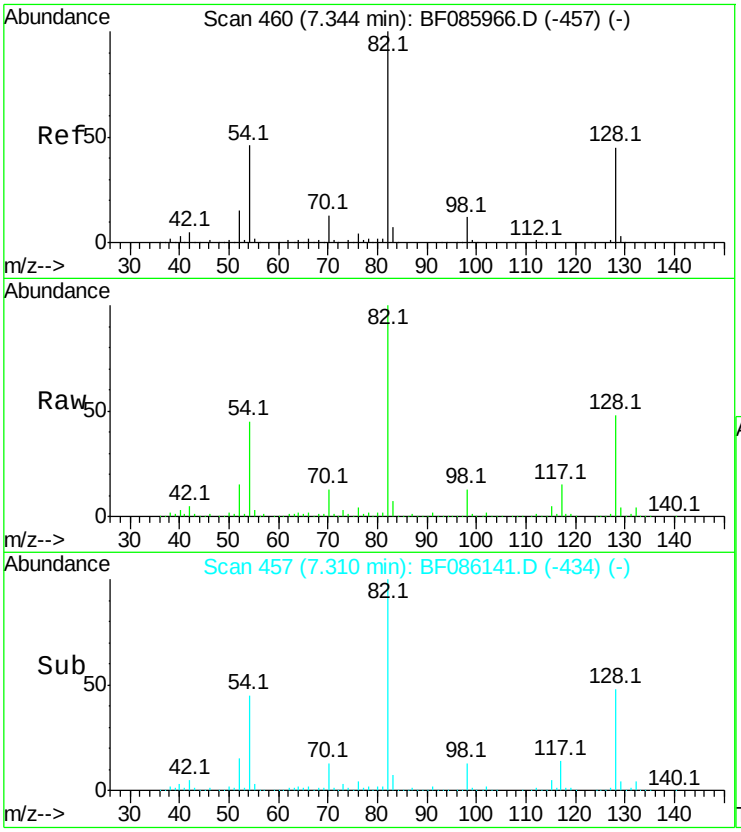


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:136 Resp: 378826

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	9.9	7.4	11.0
68	8.6	5.8	8.8



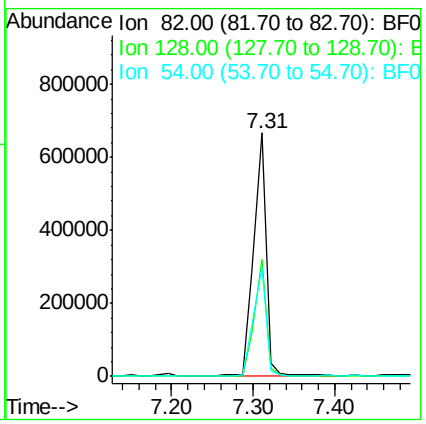


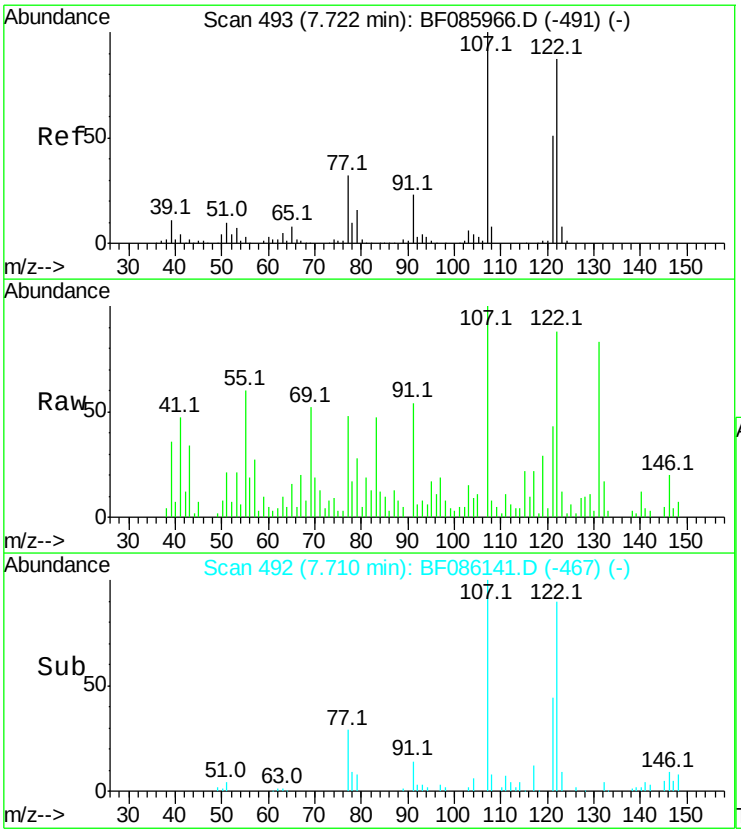
#23
Nitrobenzene-d5
Concen: 109.49 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion: 82 Resp: 703367

Ion	Ratio	Lower	Upper
82	100		
128	47.8	41.8	62.8
54	44.8	33.4	50.0

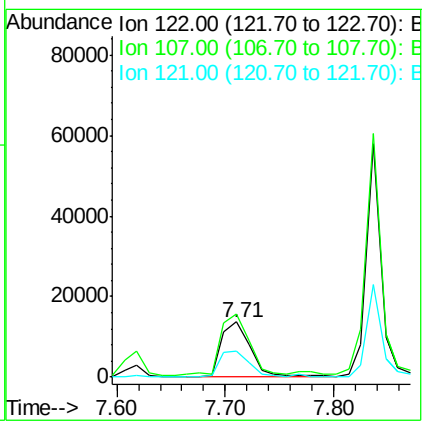


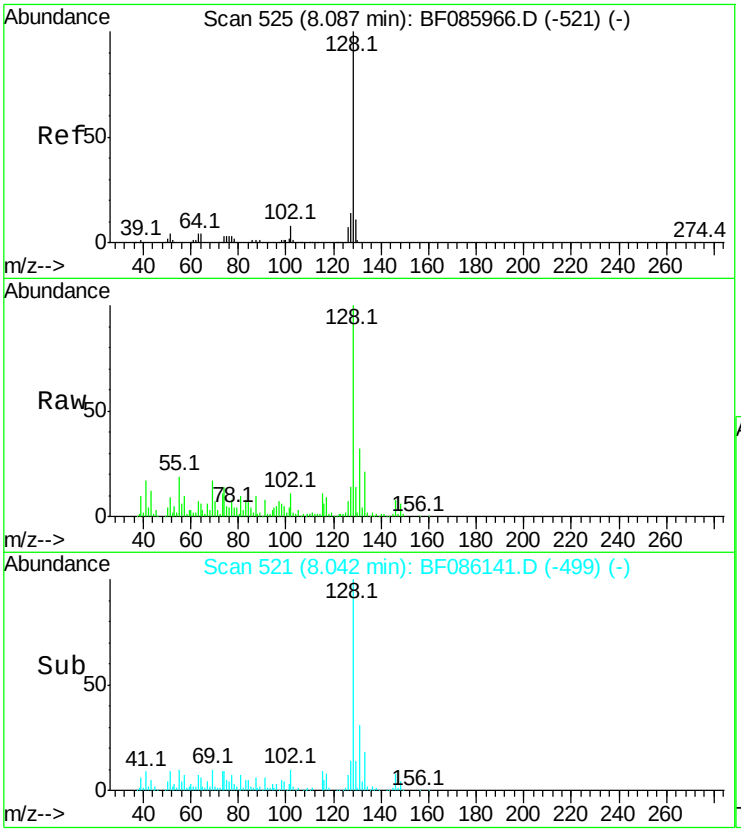


#27
2,4-Dimethylphenol
Concen: 4.22 ng
RT: 7.71 min Scan# 492
Delta R.T. -0.01 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:122 Resp: 25502

Ion	Ratio	Lower	Upper
122	100		
107	113.8	93.0	139.6
121	48.5	45.9	68.9



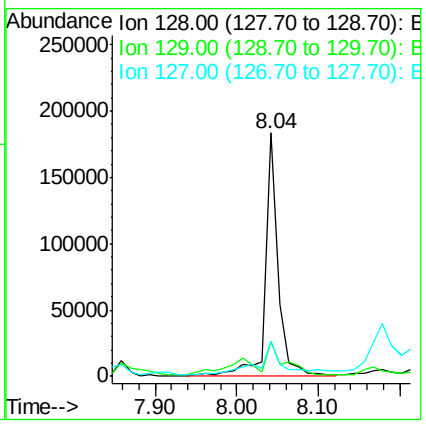


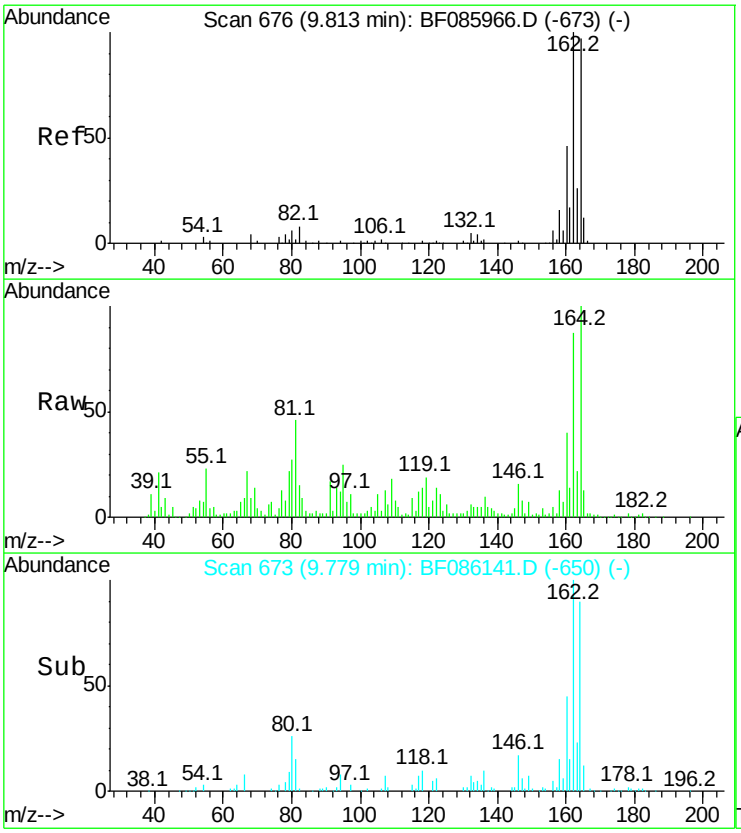
#31
Naphthalene
Concen: 10.90 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.05 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion:128 Resp: 207610

Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.4	14.0#
127	14.5	11.0	16.6

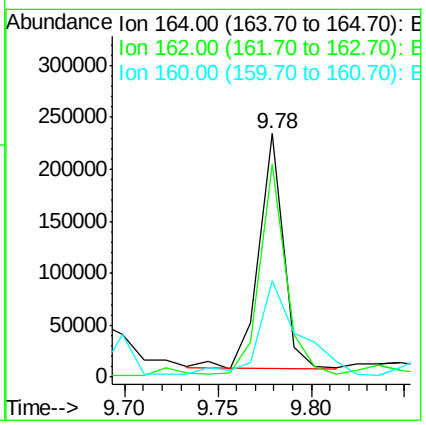


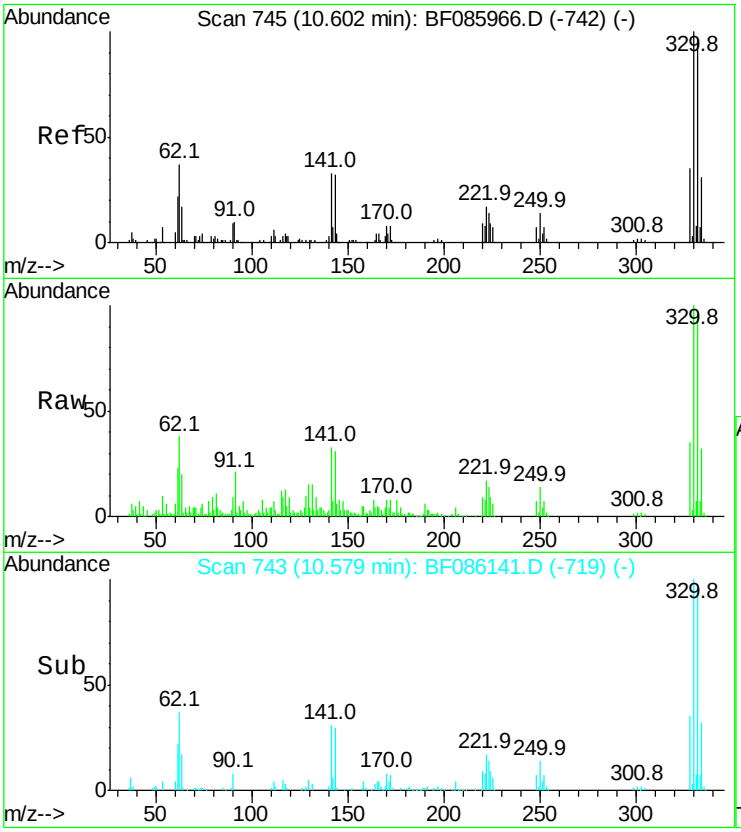


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:164 Resp: 205891

Ion	Ratio	Lower	Upper
164	100		
162	87.5	82.1	123.1
160	39.7	37.4	56.2



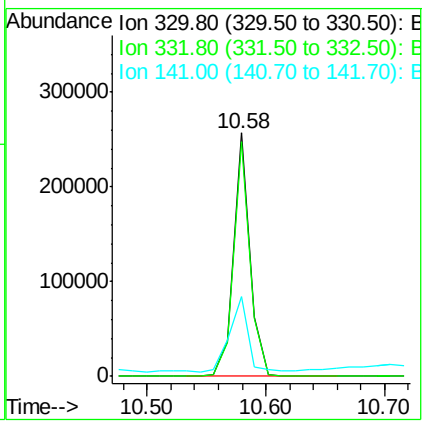


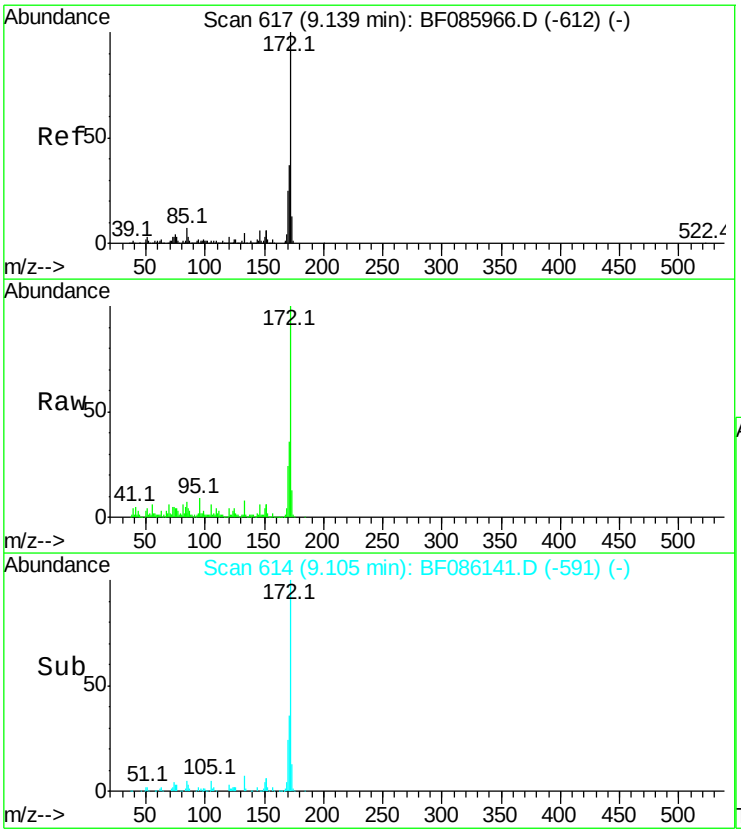
#41
2,4,6-Tribromophenol
Concen: 129.01 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion:330 Resp: 249310

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.2	117.2
141	34.0	31.5	47.3

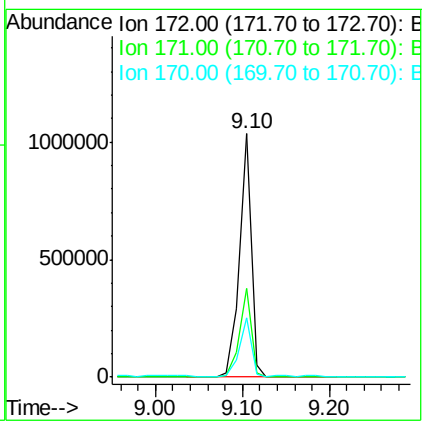


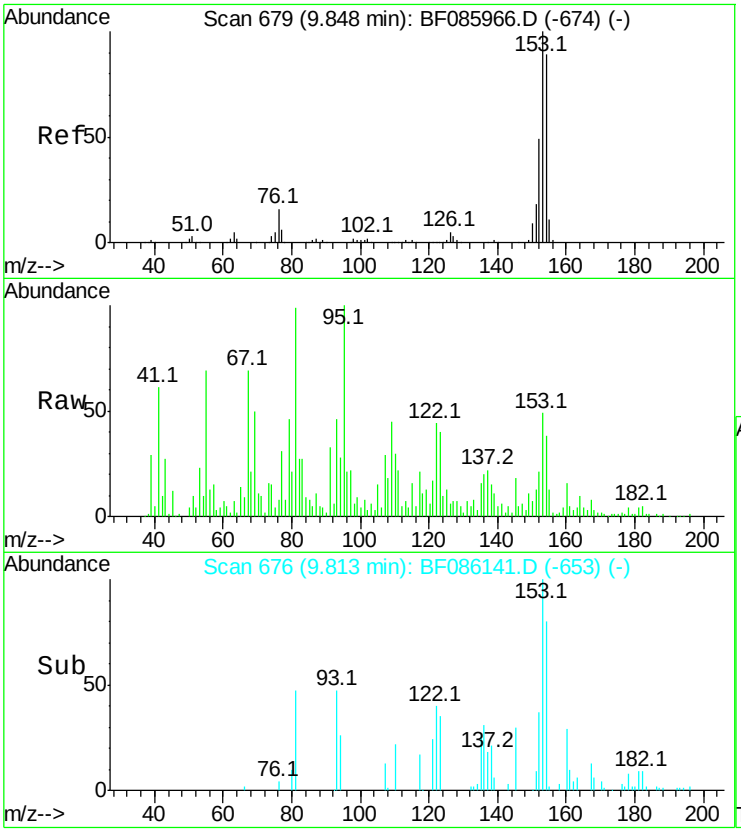


#44
2-Fluorobiphenyl
Concen: 77.82 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:172 Resp: 963661

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.3	19.8	29.6



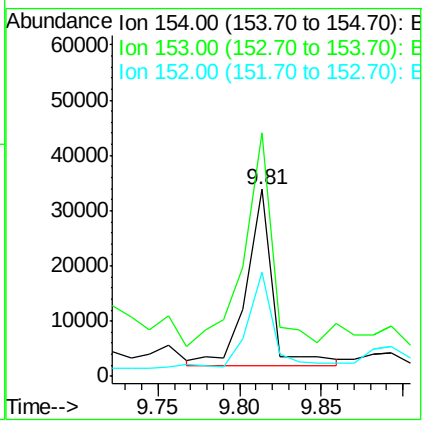


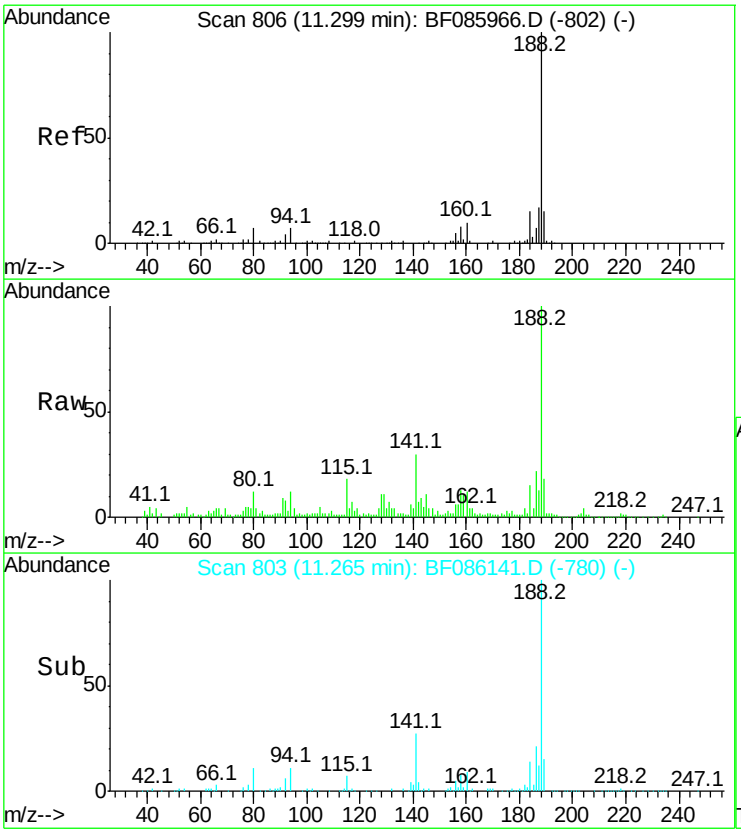
#51
Acenaphthene
Concen: 2.87 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion:154 Resp: 35204

Ion	Ratio	Lower	Upper
154	100		
153	130.4	90.1	135.1
152	55.9	44.2	66.2

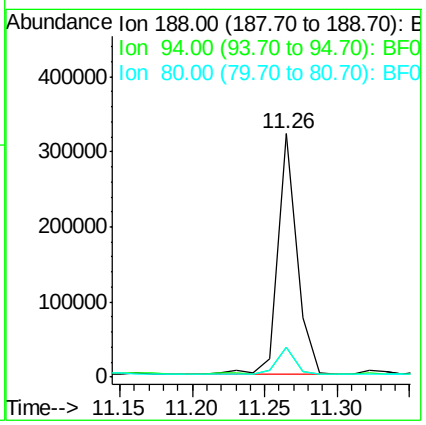


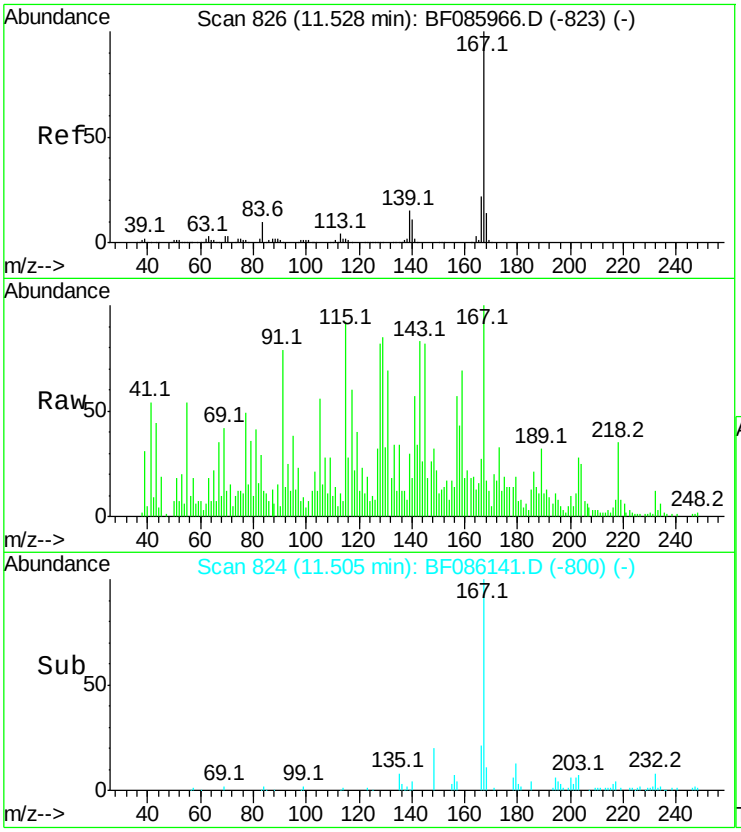


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:188 Resp: 294649

Ion	Ratio	Lower	Upper
188	100		
94	12.3	5.4	8.0#
80	12.4	5.5	8.3#



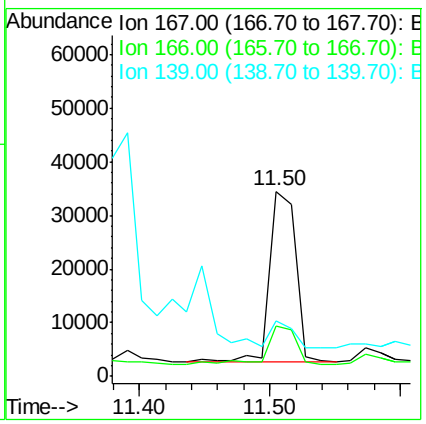


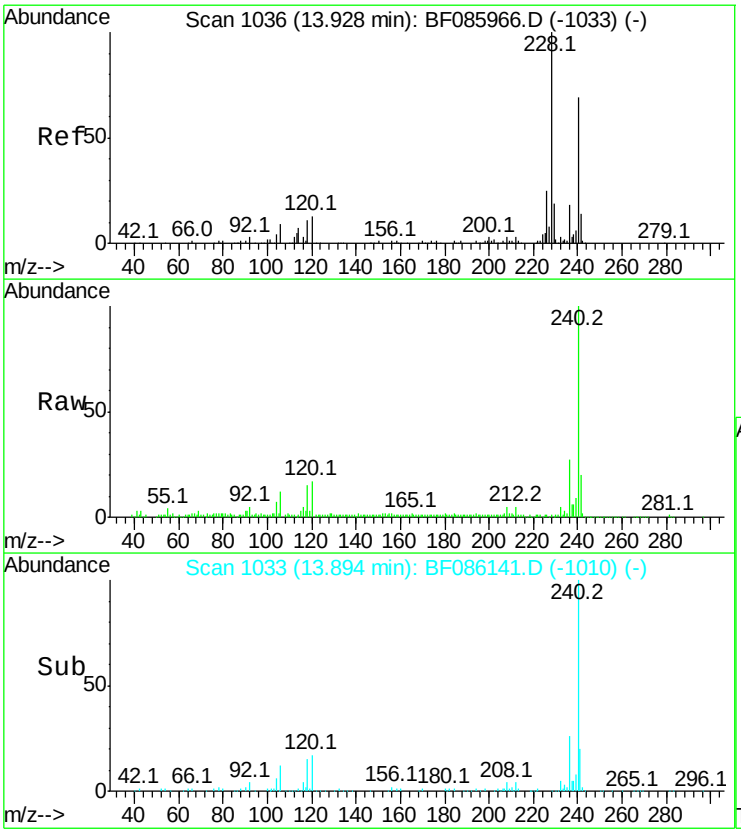
#72
Carbazole
Concen: 3.12 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion:167 Resp: 45171

Ion	Ratio	Lower	Upper
167	100		
166	27.2	17.8	26.8#
139	30.1	11.6	17.4#

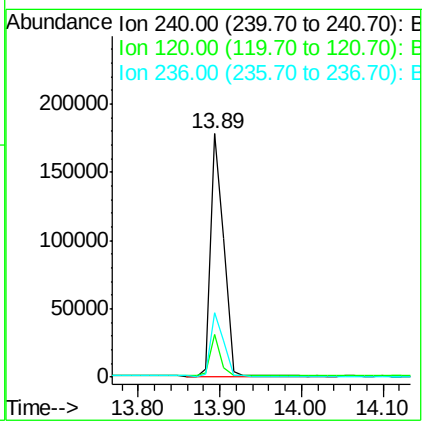


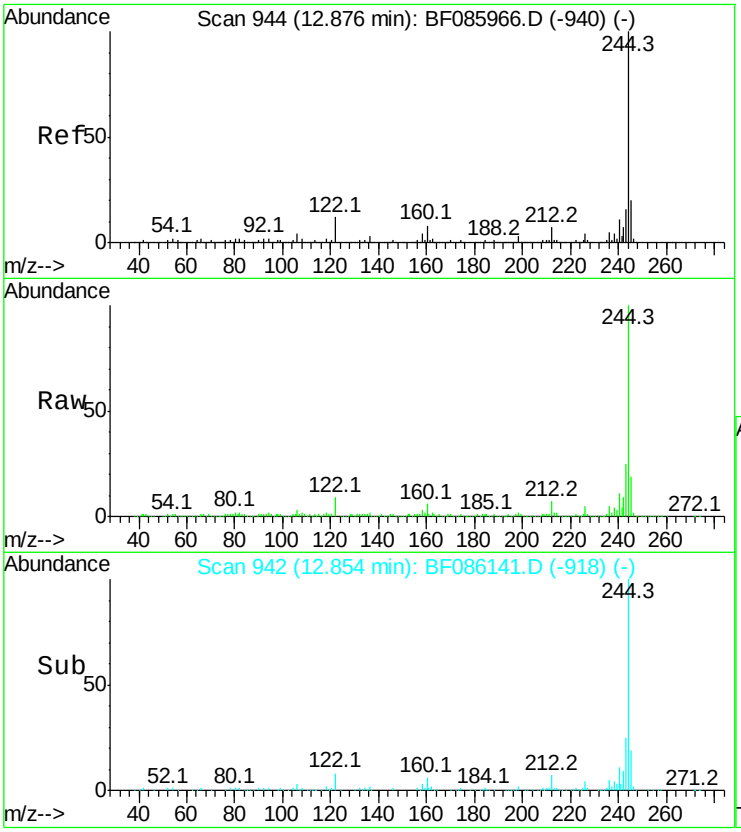


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:240 Resp: 199206

Ion	Ratio	Lower	Upper
240	100		
120	17.4	13.8	20.8
236	26.6	20.6	30.8



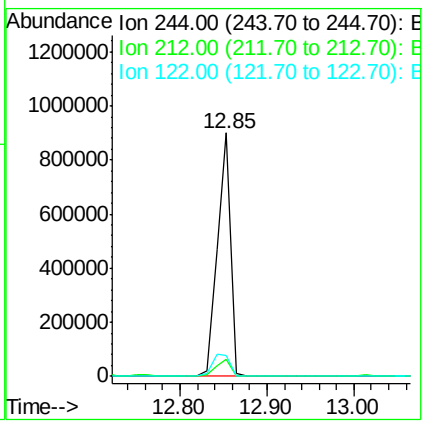


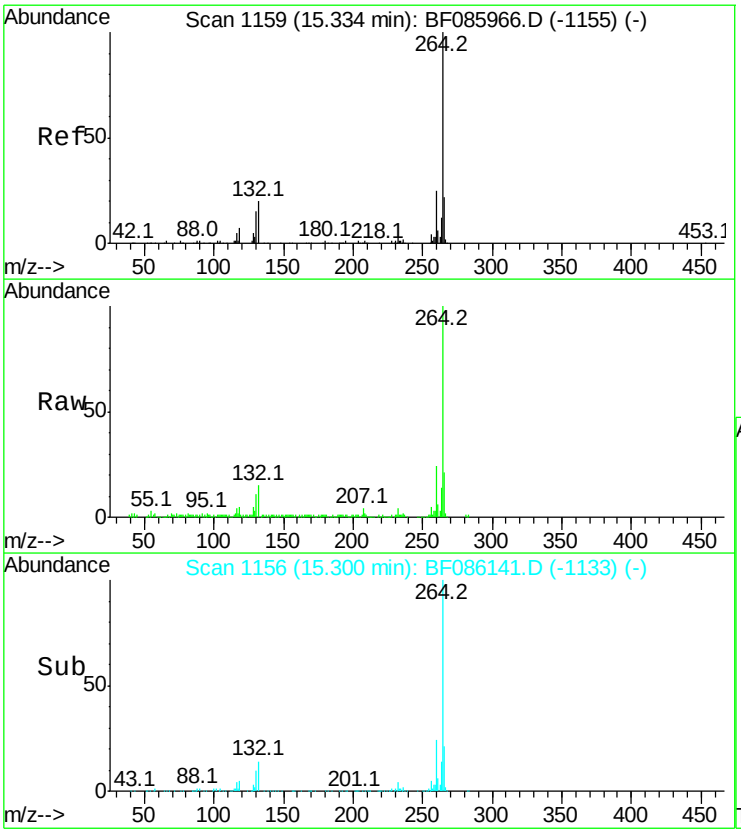
#78
Terphenyl-d14
Concen: 113.77 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.02 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Instrument :
BNA_F
ClientSampleId :
RW-1-040116

Tgt Ion:244 Resp: 964105

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	8.6	10.2	15.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086141.D
Acq: 7 Apr 2016 20:33

Tgt Ion:264 Resp: 181940

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	20.8	17.2	25.8