Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Time: Oct 12 01:57:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	219532	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	879552	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	482274	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	739333	20.00	ng	0.01
75) Chrysene-d12	14.13	240	496640	20.00	ng	0.00
86) Perylene-d12	15.62	264	405937	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	683726	48.45	ng	0.01
7) Phenol-d6	6.60	99	837414	47.03	ng	0.01
23) Nitrobenzene-d5	7.51	82	1356896	83.67	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	608864	127.36	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	2348325	81.83	ng	0.00
78) Terphenyl-d14	13.08	244	1879272	92.47	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.38	107	70074	4.53	ng	# 82
22) Acetophenone	7.37	105	367866	19.00	ng	# 84
27) 2,4-Dimethylphenol	7.91	122	220384	16.34	ng	91
31) Naphthalene	8.27	128	2057798	46.96	ng	99
32) Benzoic acid	8.14	122	338891	31.83	ng	98
37) 2-Methylnaphthalene	8.95	142	446346	15.18	ng	99

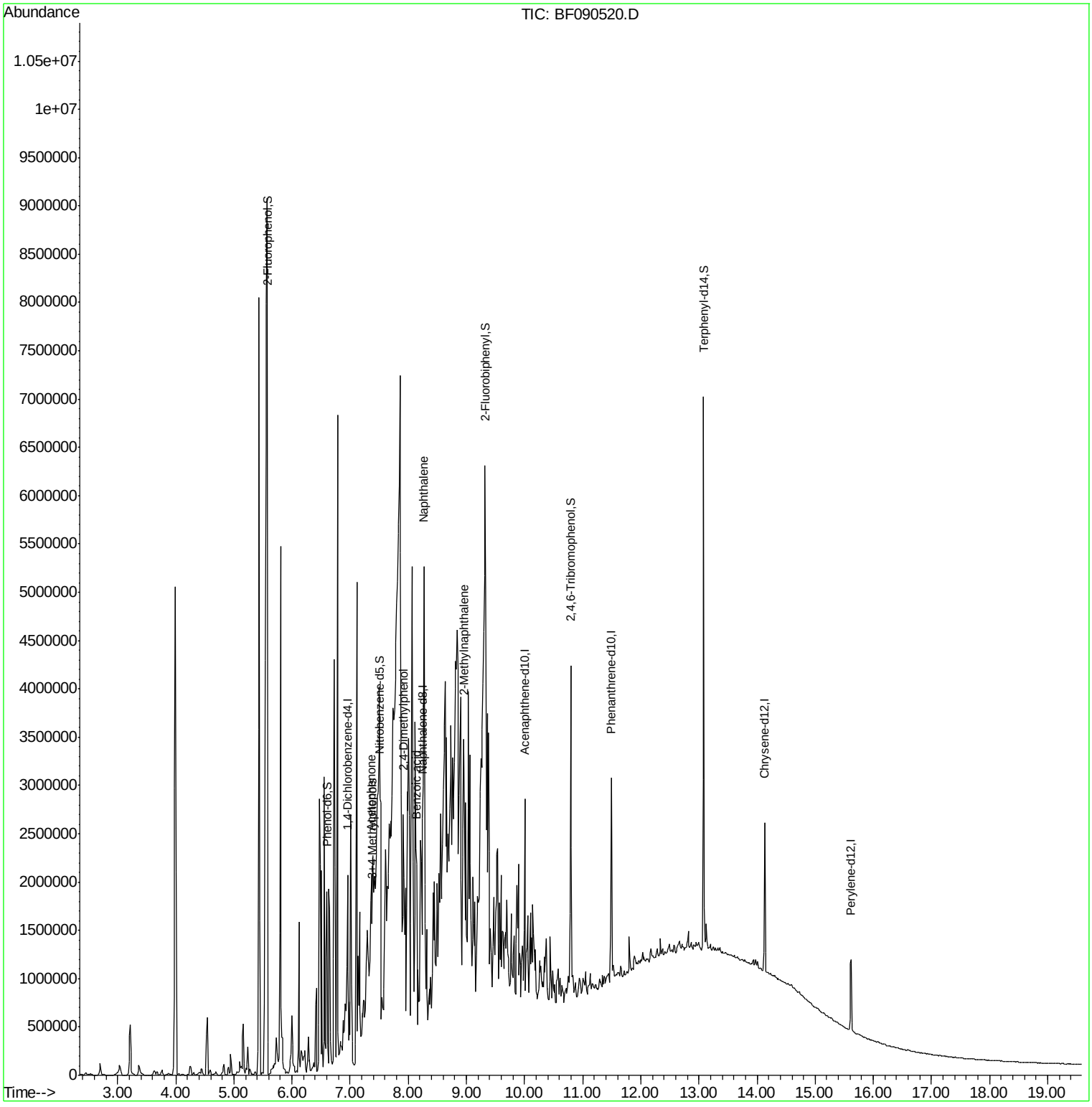
(#) = qualifier out of range (m) = manual integration (+) = signals summed

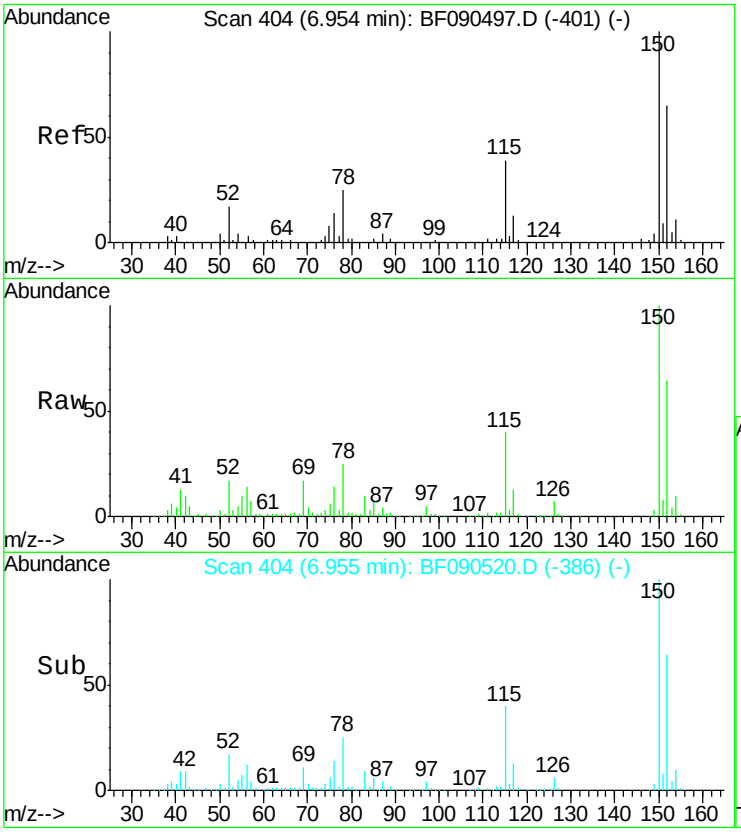
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0614

Quant Time: Oct 12 01:57:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration



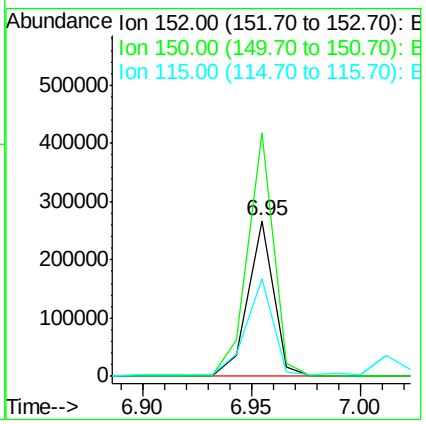


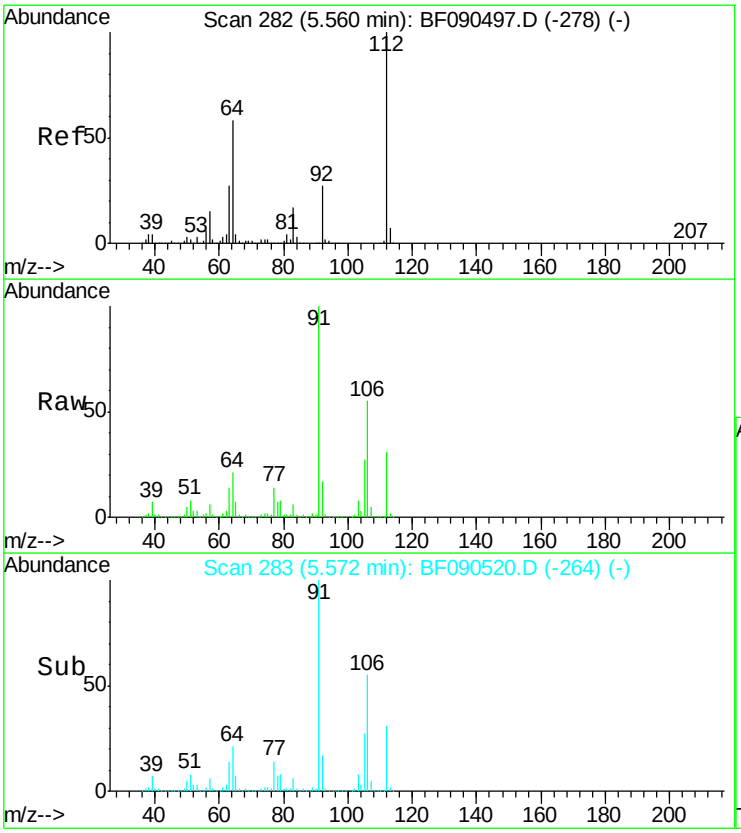
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:152 Resp: 219532

Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	62.3	46.2	69.4

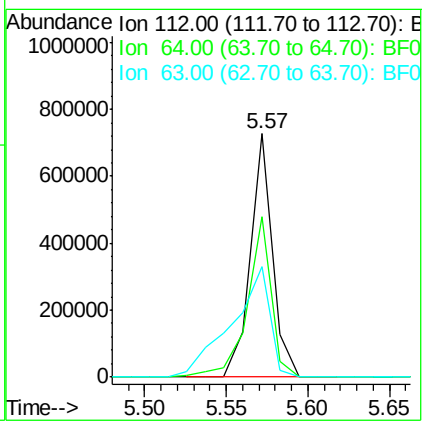


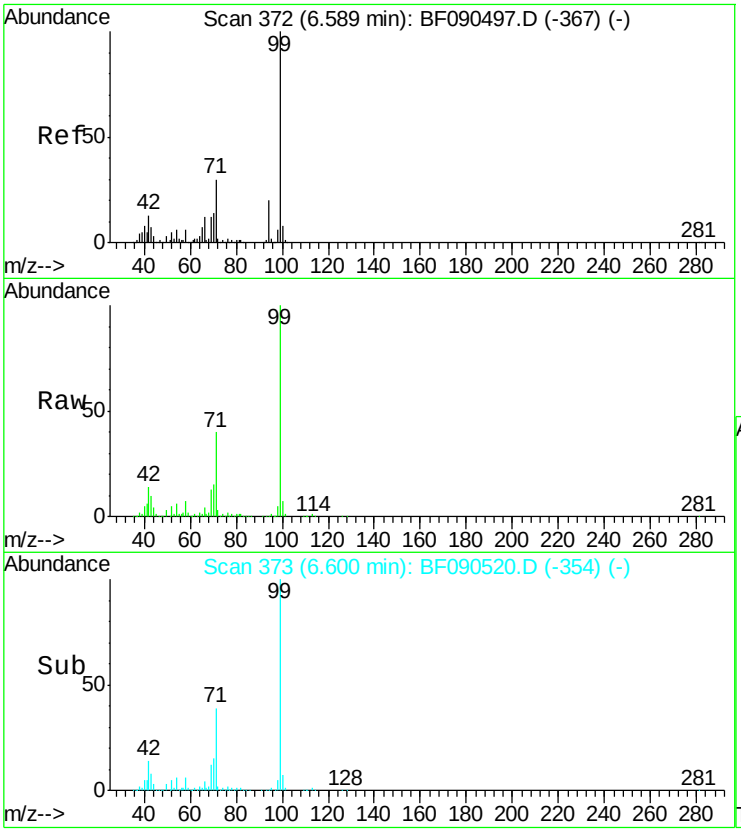


#5
2-Fluorophenol
Concen: 48.45 ng
RT: 5.57 min Scan# 283
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:112 Resp: 683726

Ion	Ratio	Lower	Upper
112	100		
64	65.8	57.9	86.9
63	45.6	29.6	44.4#



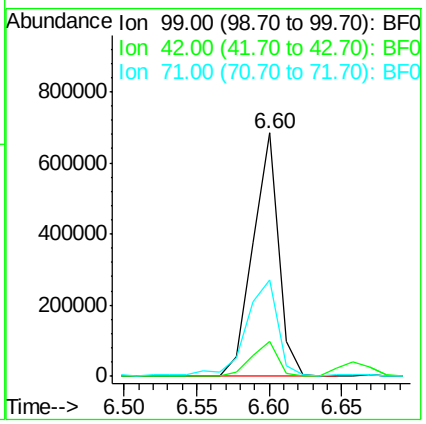


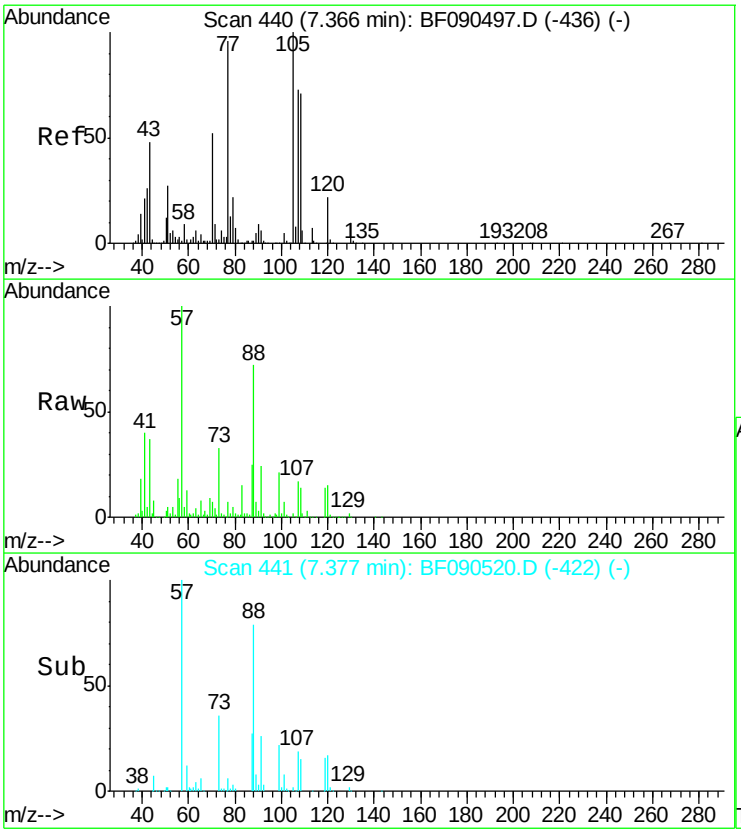
#7
Phenol-d6
Concen: 47.03 ng
RT: 6.60 min Scan# 373
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion: 99 Resp: 837414

Ion	Ratio	Lower	Upper
99	100		
42	14.1	20.0	30.0#
71	39.6	27.9	41.9

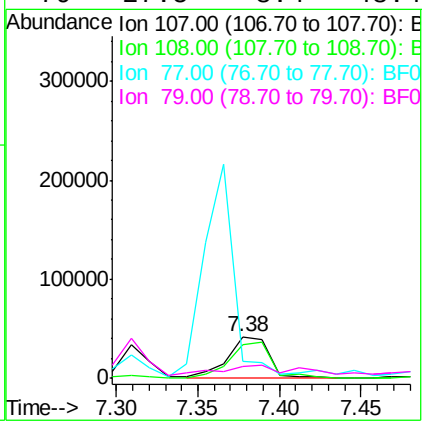


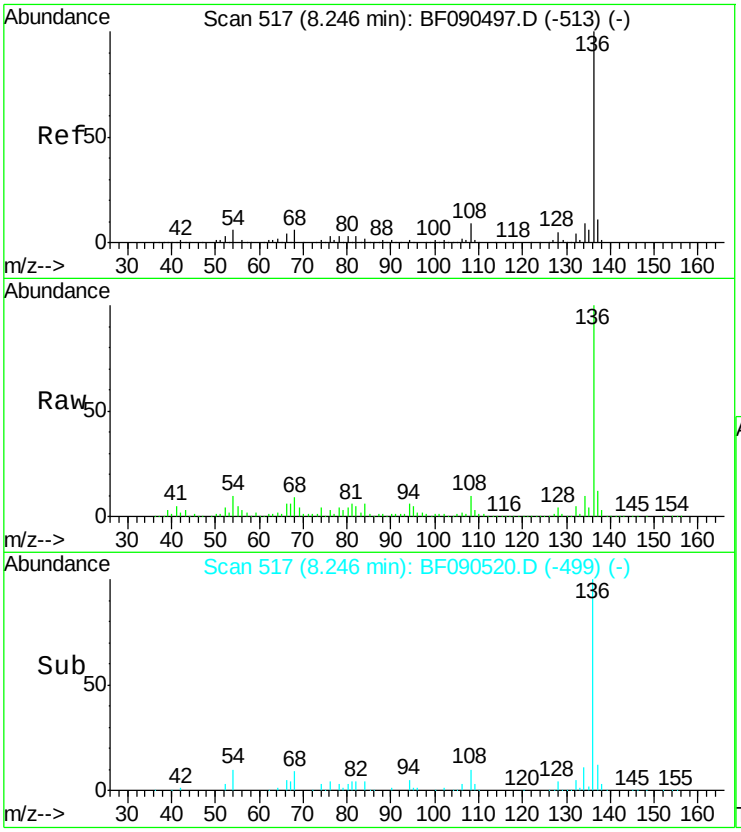


#20
3+4-Methylphenols
Concen: 4.53 ng
RT: 7.38 min Scan# 441
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:107 Resp: 70074

Ion	Ratio	Lower	Upper
107	100		
108	81.9	66.7	106.7
77	41.6	53.7	93.7#
79	27.5	8.4	48.4



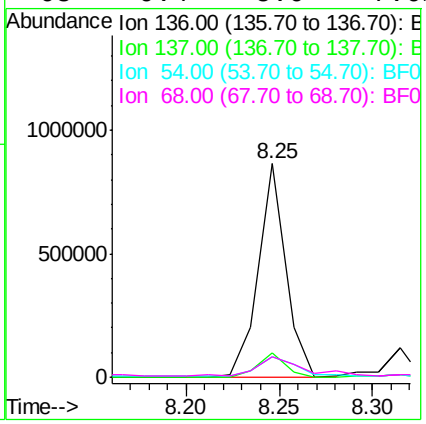


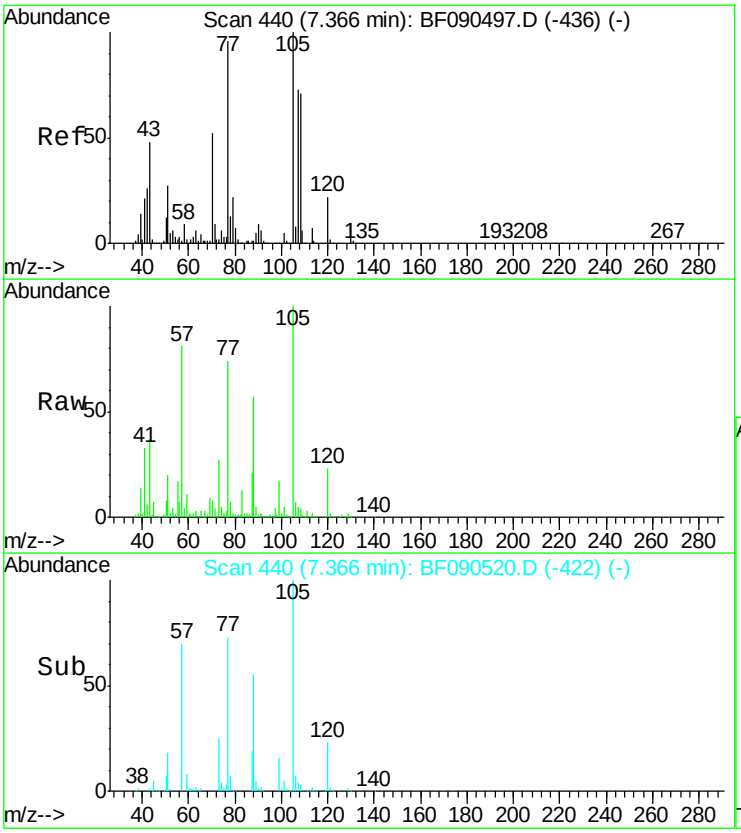
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:136 Resp: 879552

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	9.8	6.6	10.0
68	9.4	5.0	7.6#

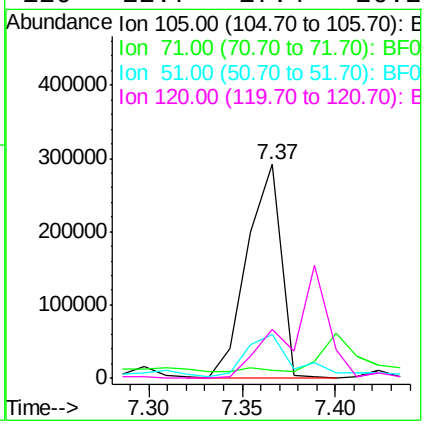


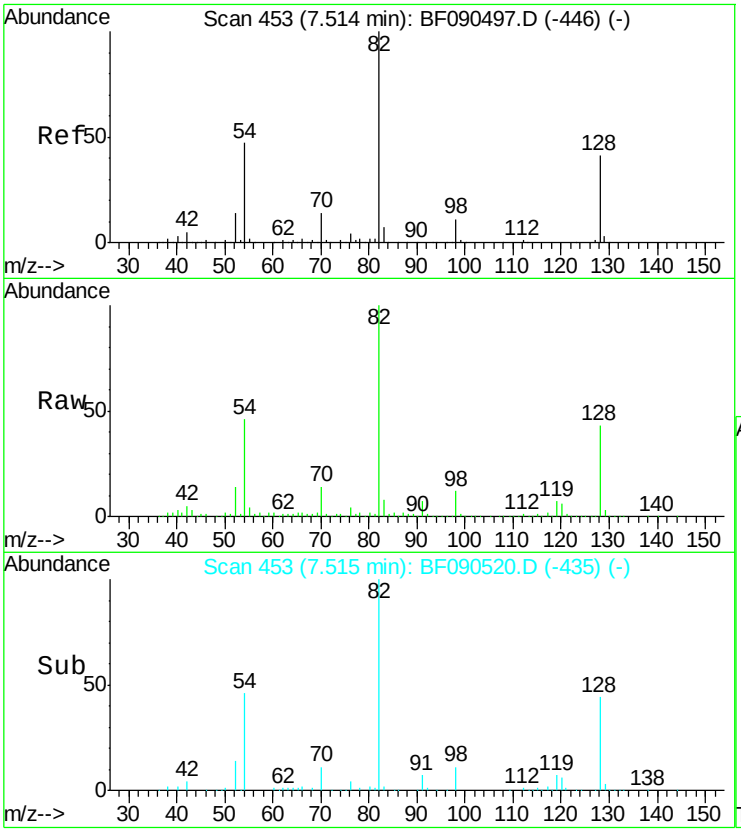


#22
Acetophenone
Concen: 19.00 ng
RT: 7.37 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:105 Resp: 367866

Ion	Ratio	Lower	Upper
105	100		
71	3.6	3.8	5.6#
51	20.4	28.2	42.4#
120	22.7	17.4	26.2



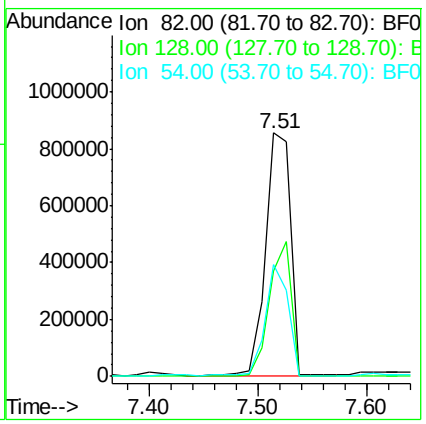


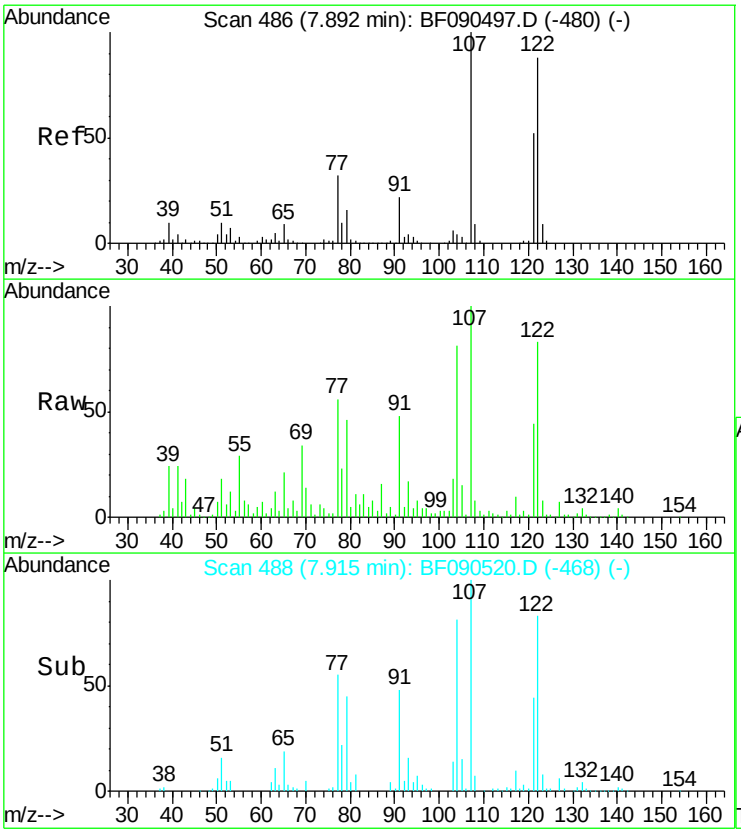
#23
Nitrobenzene-d5
Concen: 83.67 ng
RT: 7.51 min Scan# 453
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion: 82 Resp: 1356896

Ion	Ratio	Lower	Upper
82	100		
128	43.4	40.0	60.0
54	45.7	42.6	64.0

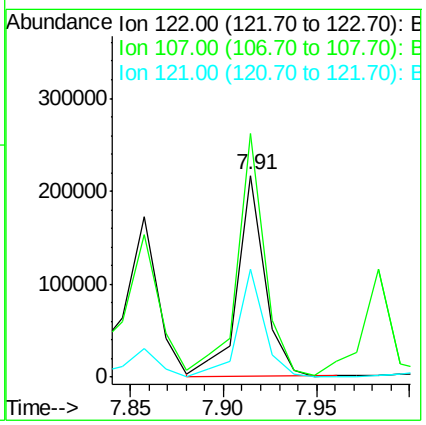


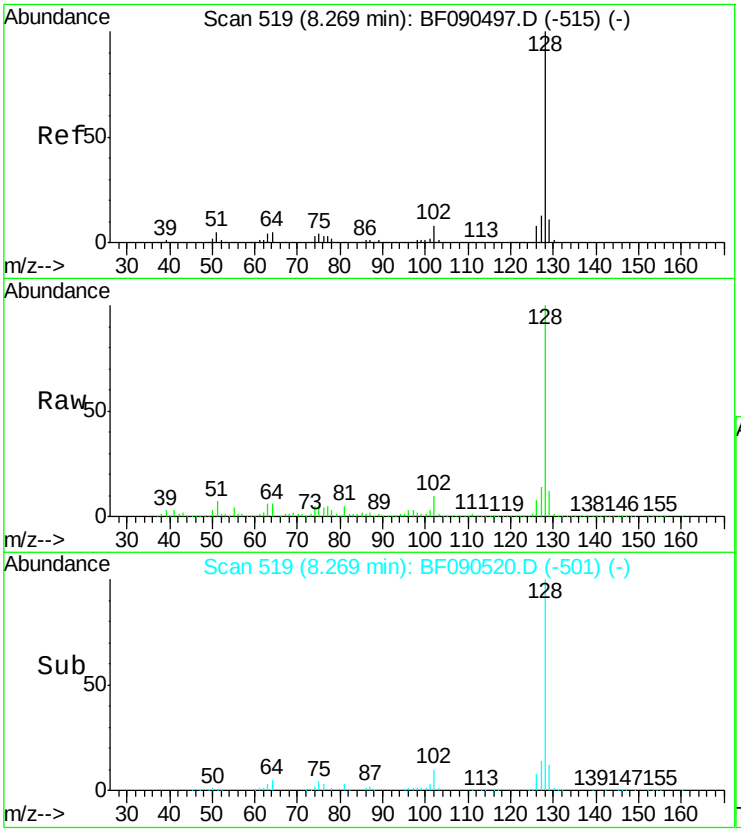


#27
2,4-Dimethylphenol
Concen: 16.34 ng
RT: 7.91 min Scan# 488
Delta R.T. 0.02 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:122 Resp: 220384

Ion	Ratio	Lower	Upper
122	100		
107	120.8	88.6	132.8
121	53.5	47.5	71.3



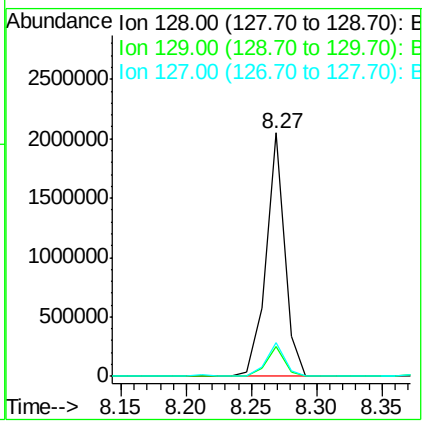


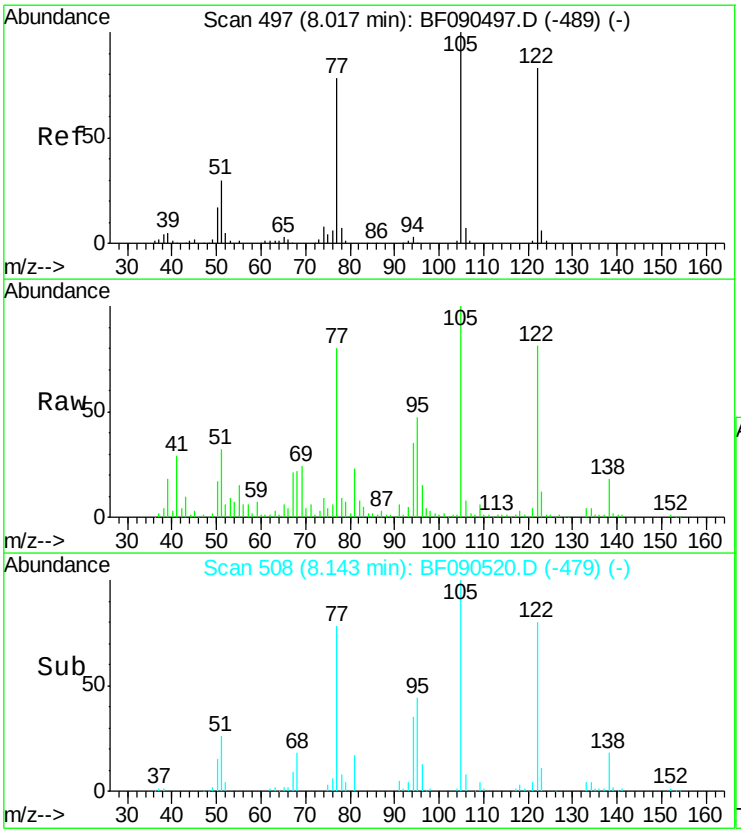
#31
Naphthalene
Concen: 46.96 ng
RT: 8.27 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:128 Resp: 2057798

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.7	14.5
127	14.1	11.7	17.5

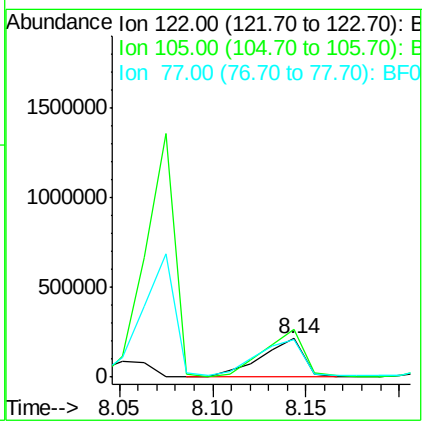


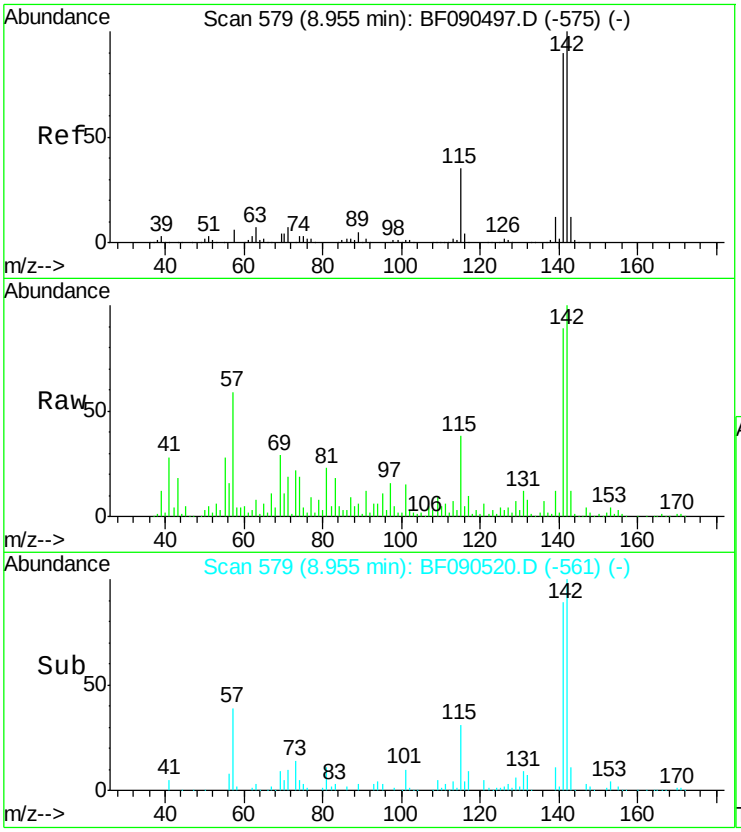


#32
Benzoic acid
Concen: 31.83 ng
RT: 8.14 min Scan# 508
Delta R.T. 0.13 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:122 Resp: 338891

Ion	Ratio	Lower	Upper
122	100		
105	123.7	103.9	143.9
77	98.6	74.6	114.6



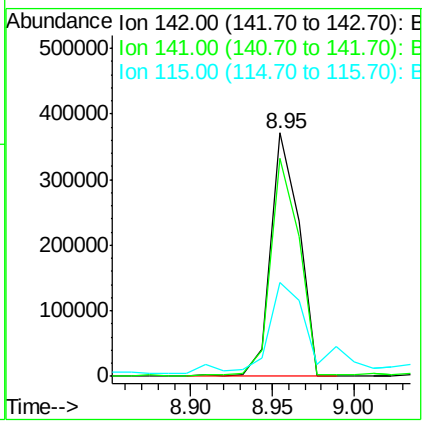


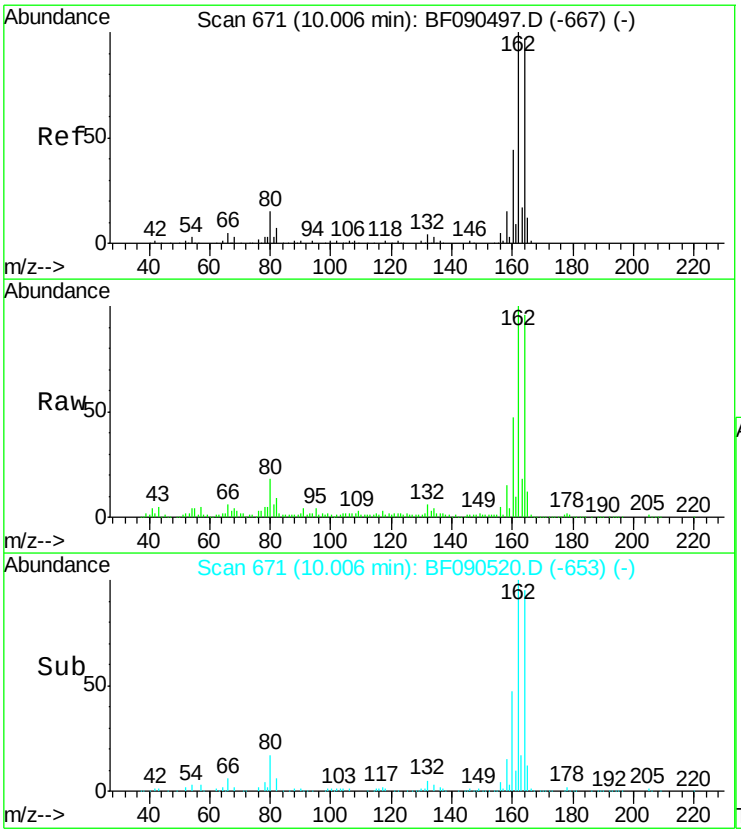
#37
2-Methylnaphthalene
Concen: 15.18 ng
RT: 8.95 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:142 Resp: 446346

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.8	107.8
115	38.4	28.8	43.2

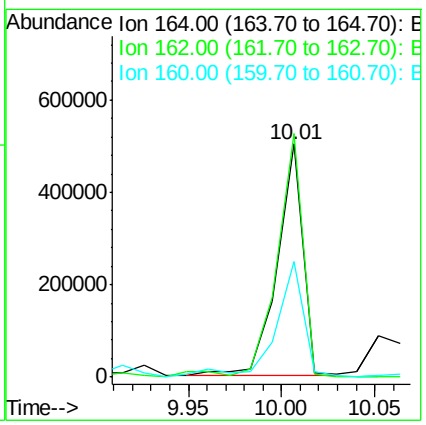


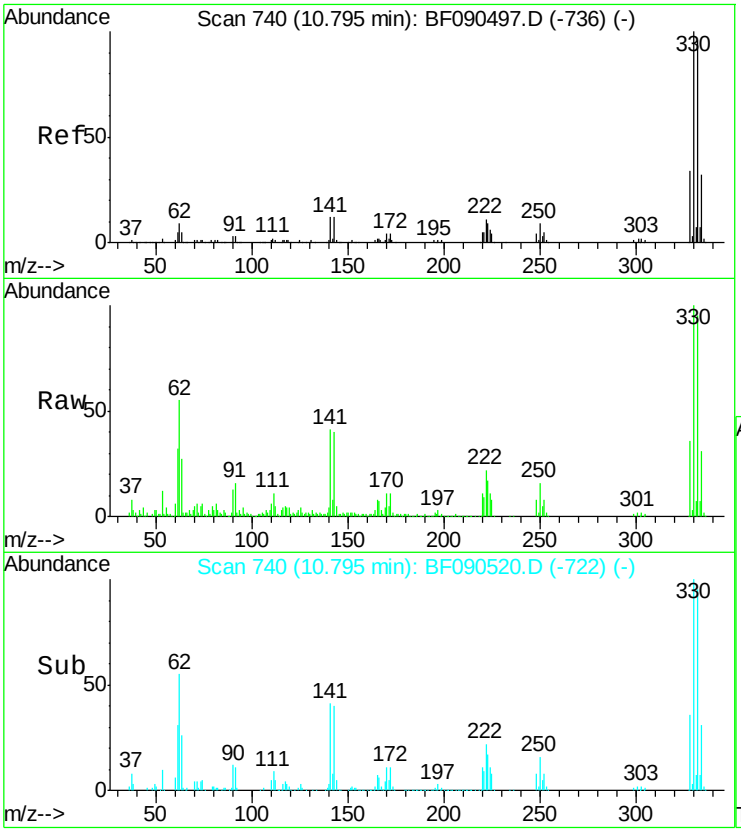


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:164 Resp: 482274

Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.1	120.1
160	49.4	36.3	54.5



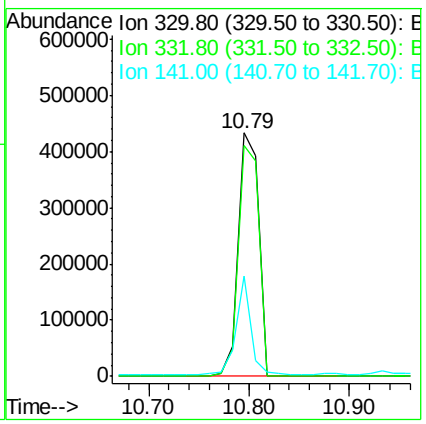


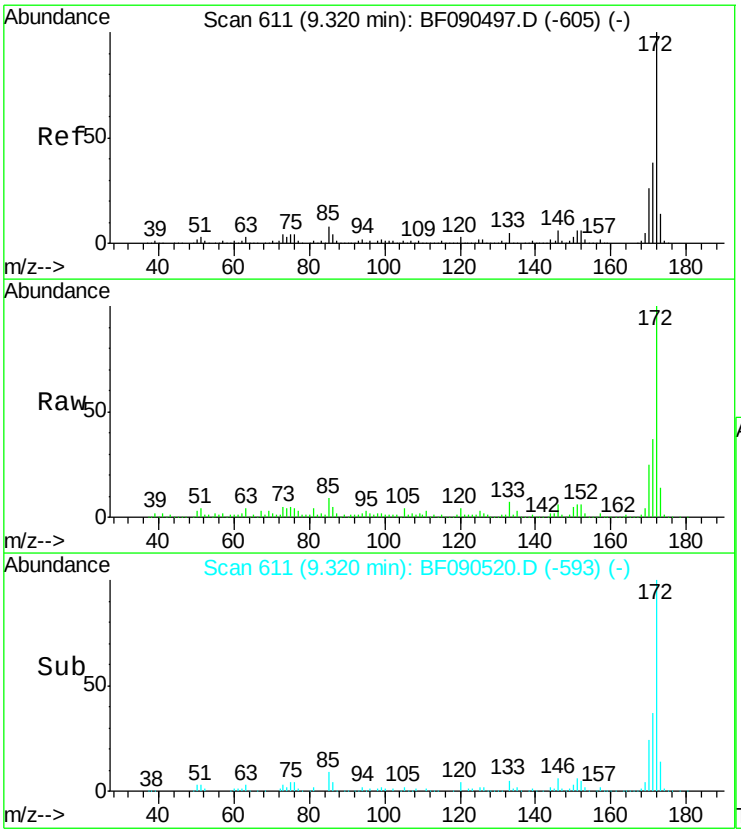
#41
2,4,6-Tribromophenol
Concen: 127.36 ng
RT: 10.79 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:330 Resp: 608864

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	29.3	26.9	40.3

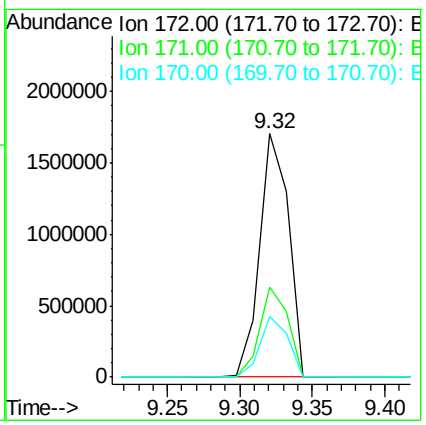


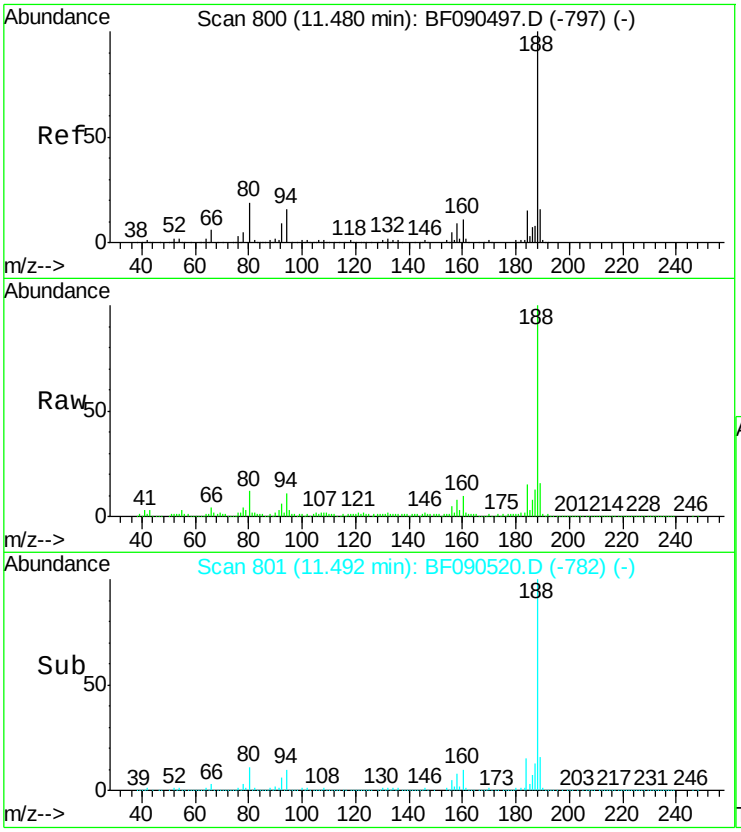


#44
2-Fluorobiphenyl
Concen: 81.83 ng
RT: 9.32 min Scan# 611
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:172 Resp: 2348325

Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.8	47.8
170	24.7	21.7	32.5



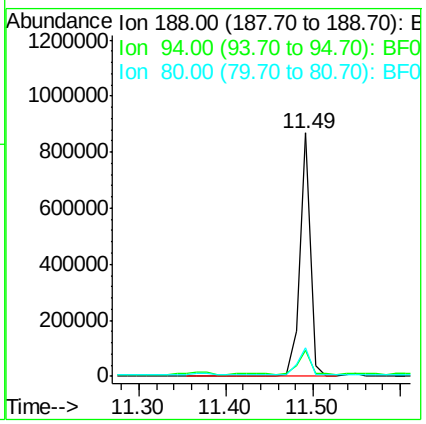


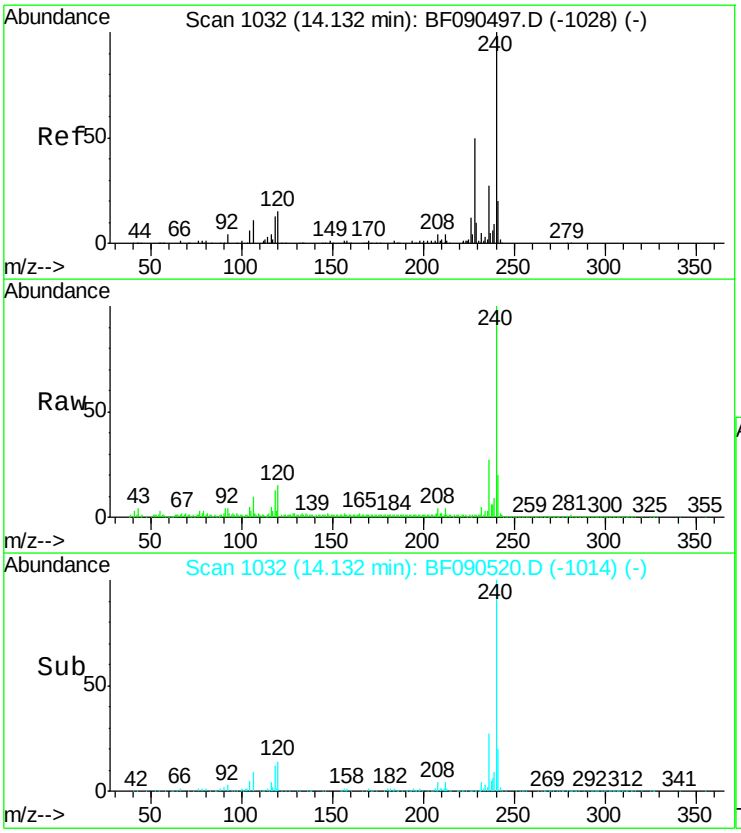
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:188 Resp: 739333

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.2	12.2
80	11.6	8.8	13.2

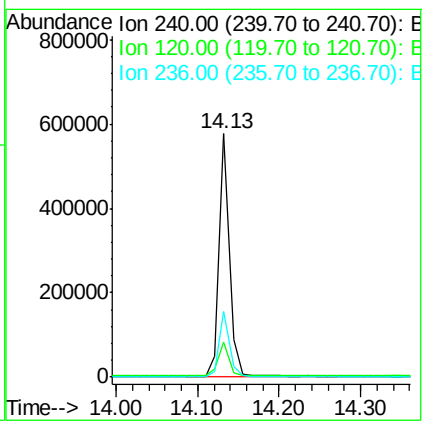


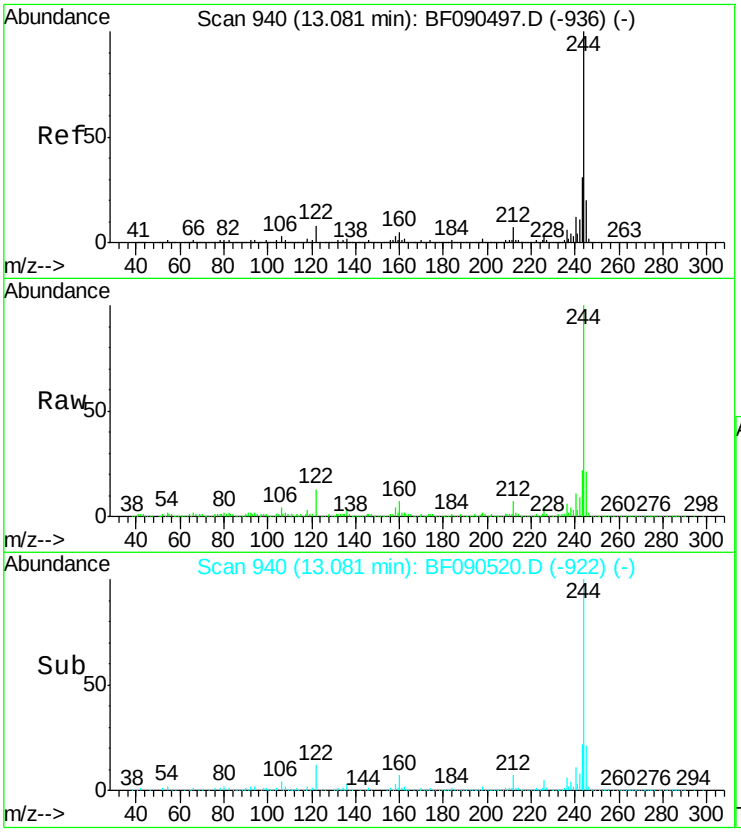


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:240 Resp: 496640

Ion	Ratio	Lower	Upper
240	100		
120	14.6	8.6	13.0#
236	26.8	21.6	32.4



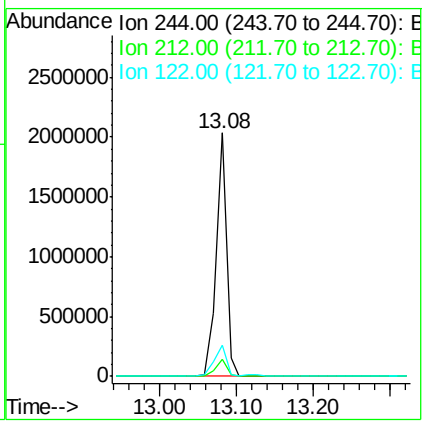


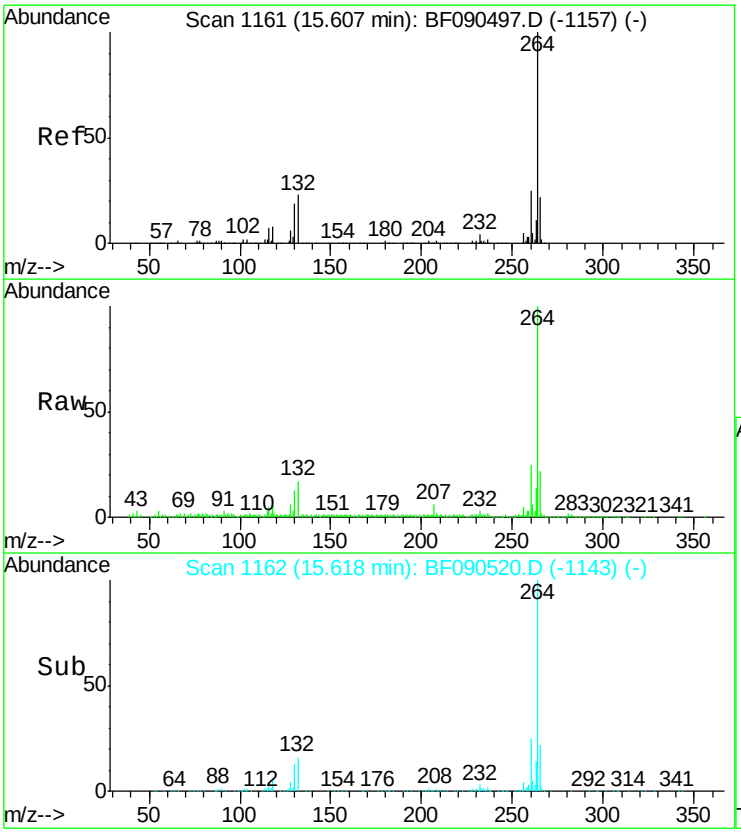
#78
Terphenyl-d14
Concen: 92.47 ng
RT: 13.08 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Instrument :
BNA_F
ClientSampleId :
S8-0614

Tgt Ion:244 Resp: 1879272

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.8	10.2
122	12.5	13.3	19.9#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF090520.D
Acq: 11 Oct 2016 23:35

Tgt Ion:264 Resp: 405937

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	22.2	17.4	26.0