Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
Data File : BF100377.D
Acq On : 10 Nov 2017 8:46
Operator : SJ/JU
Sample : SP4151-Azobenzene
Misc : Azobenzene study - 60 ppm
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP4151-Azobenzene

Quant Time: Nov 10 11:38:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 16:04:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	151016	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	597222	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	261405	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	436191	20.00	ng	0.00
75) Chrysene-d12	14.06	240	292232	20.00	ng	0.00
86) Perylene-d12	15.54	264	299179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	13.00	244	422	0.03	ng	0.00
Target Compounds						Qvalue
62) Azobenzene	10.64	77	998258	53.067	ng	94

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

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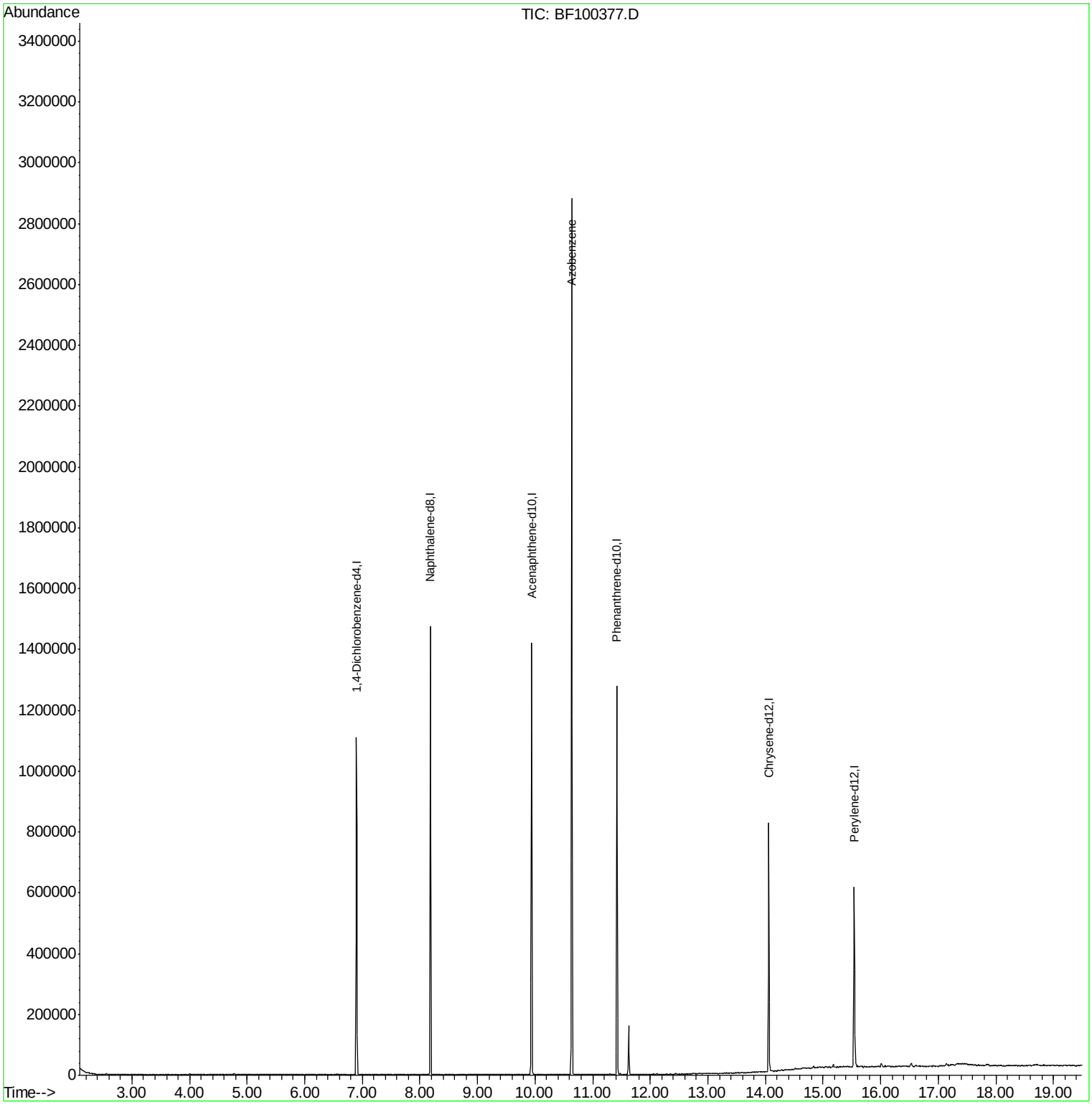
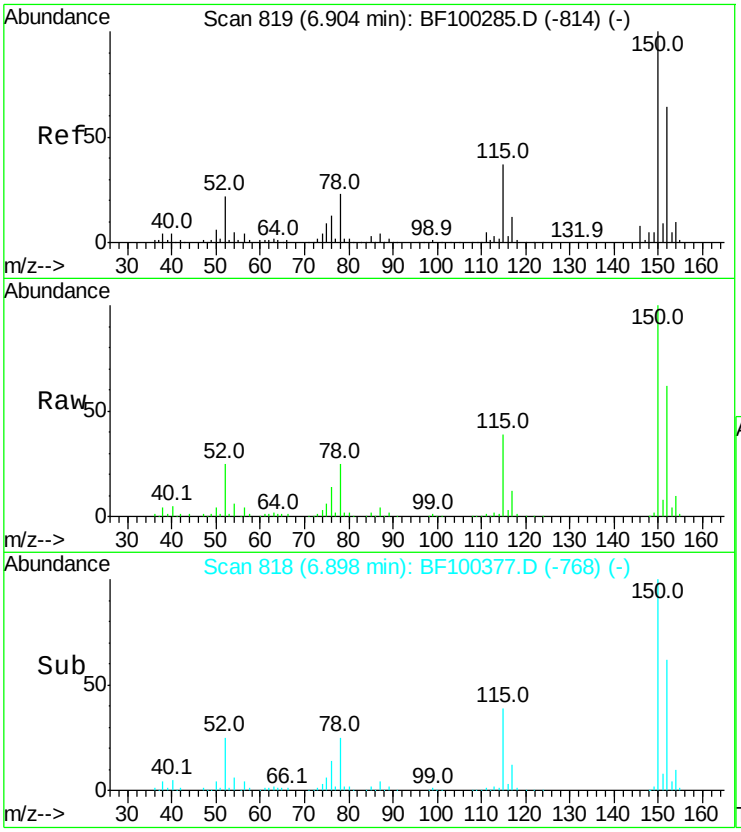


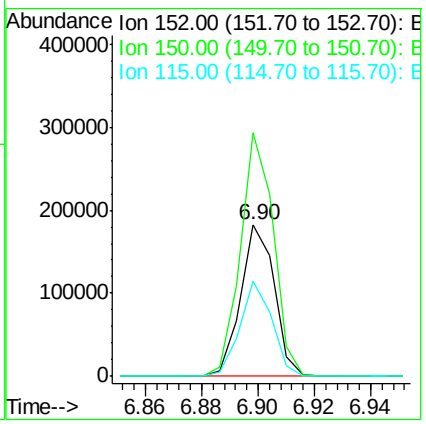


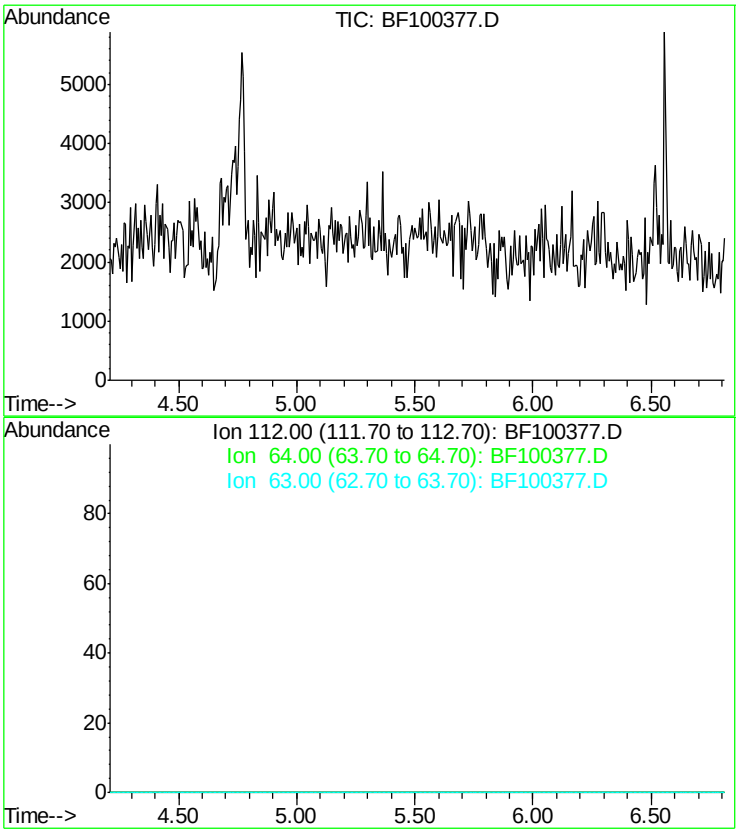
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

Tgt Ion:152 Resp: 151016

Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	63.0	50.1	75.1



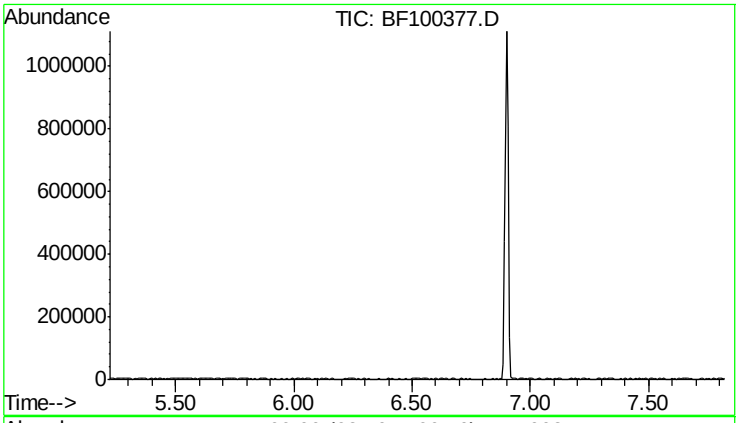


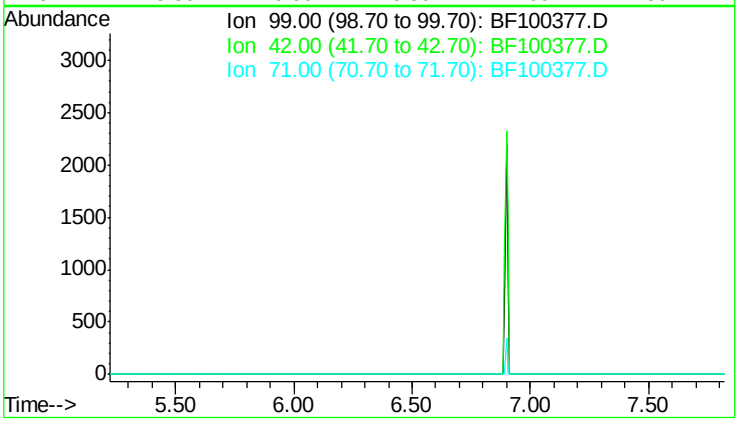
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.51 min

Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.9
63	29.6





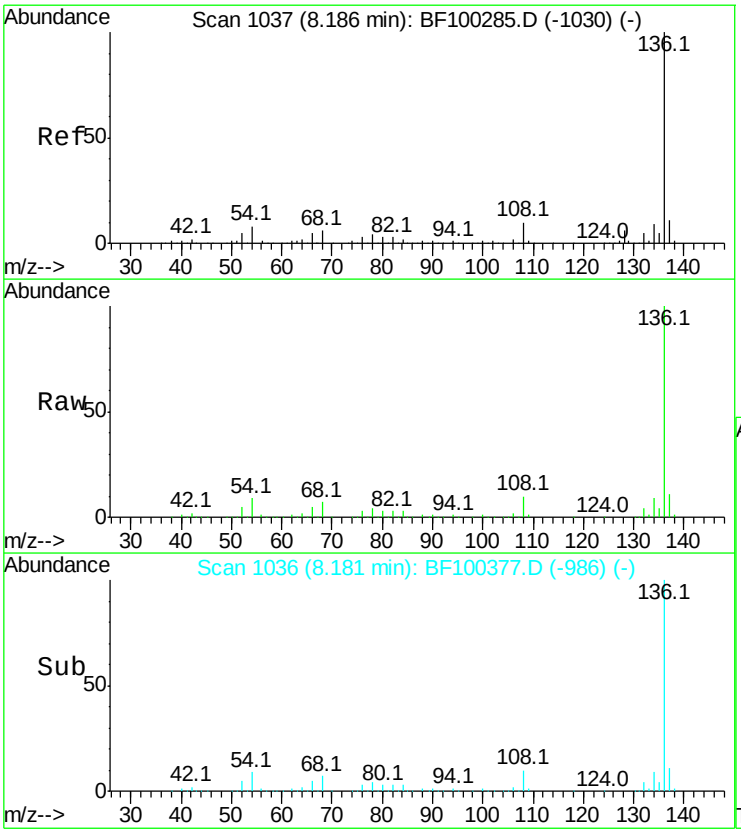
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.1
71	31.7

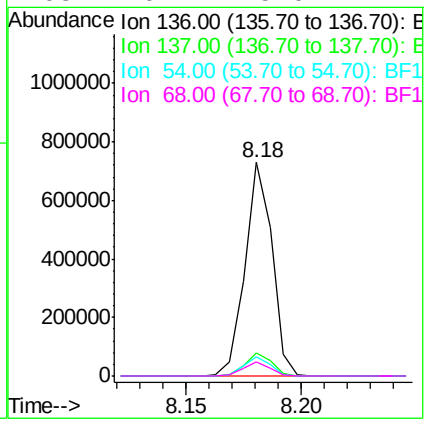
Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

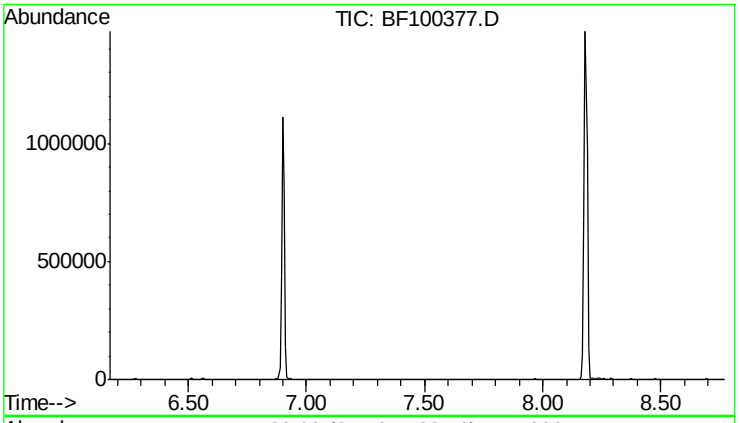


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion:136 Resp: 597222

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.2	6.6	9.8
68	6.7	5.0	7.4





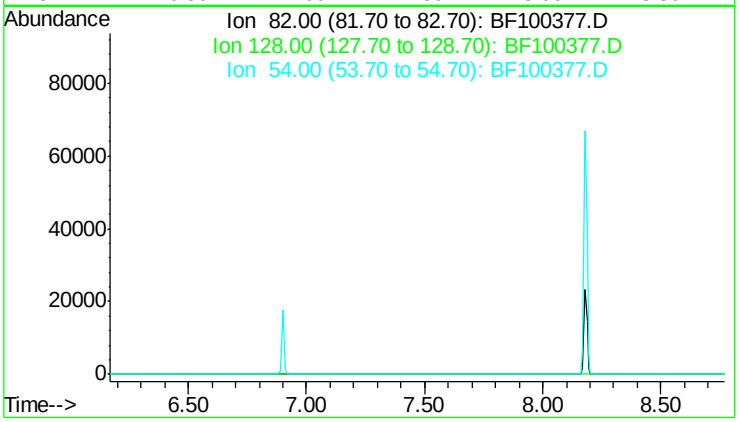
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.47 min

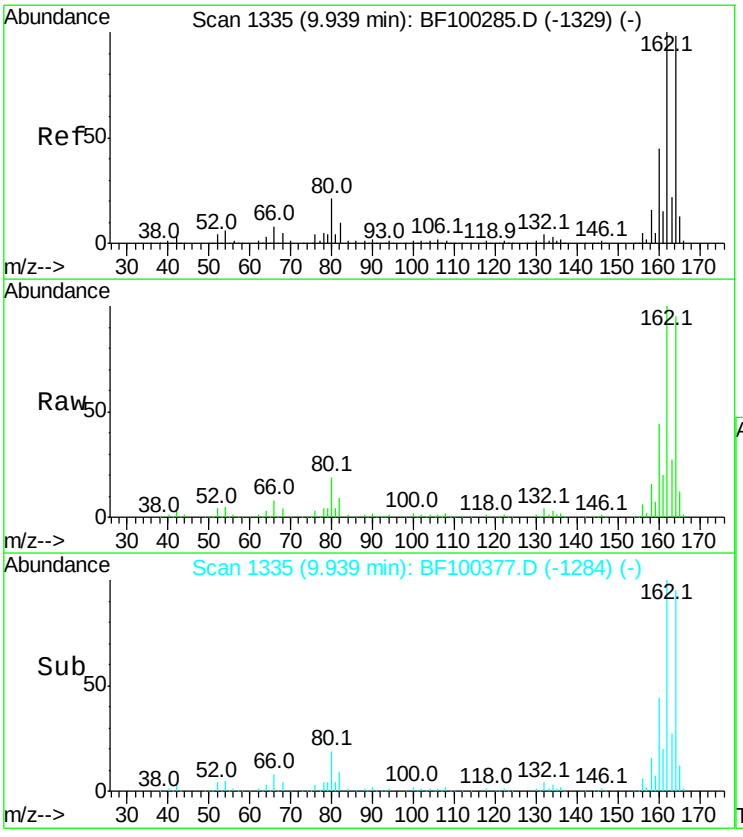
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.1
54	51.8

Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

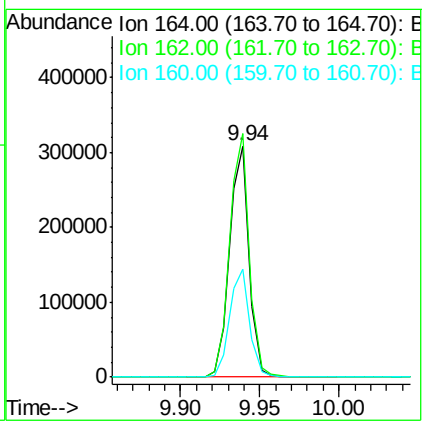


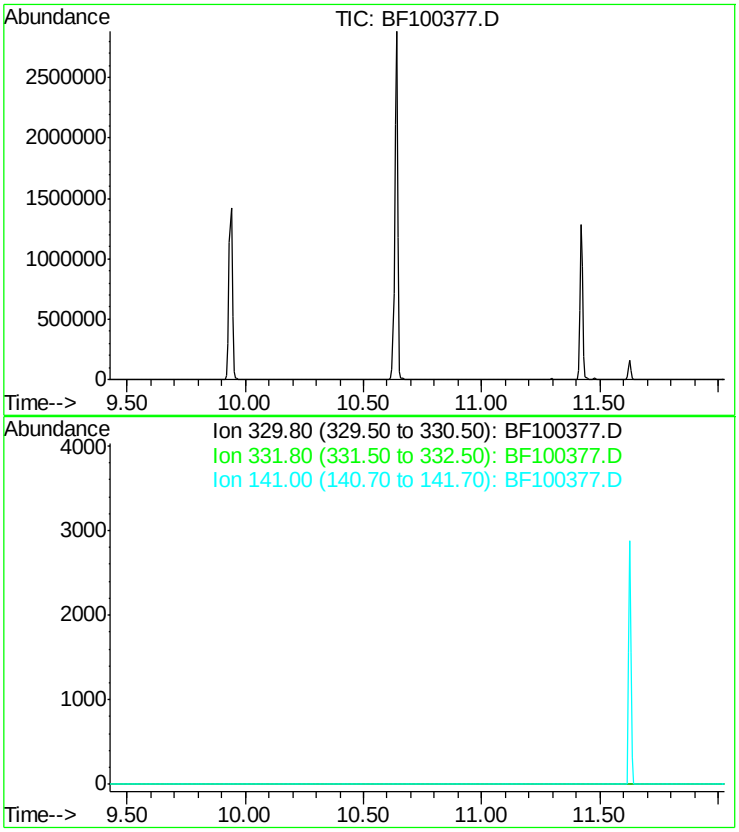


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion:164 Resp: 261405

Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	46.9	38.3	57.5





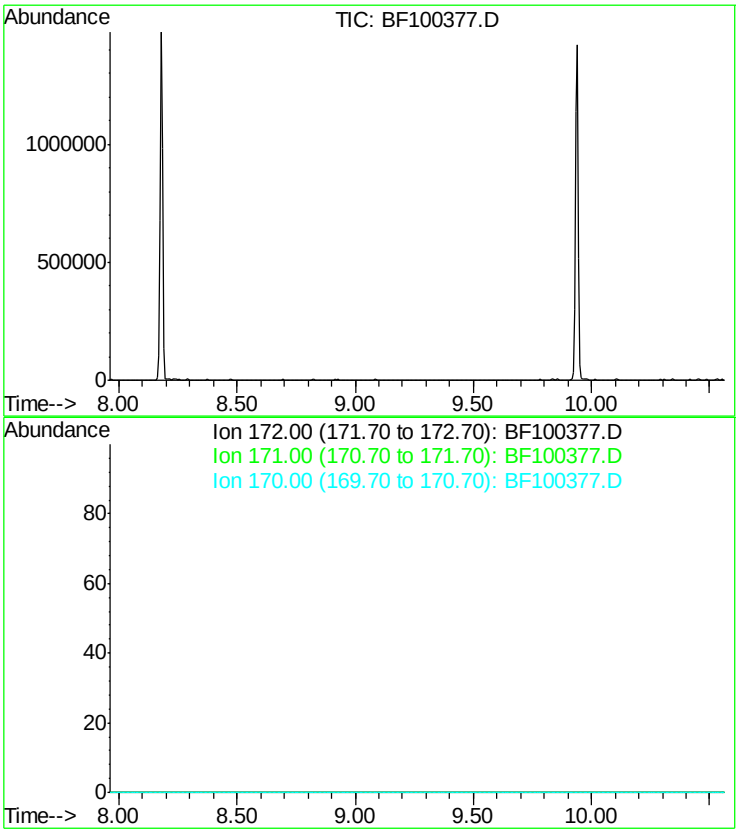
#41
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.73 min

Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	37.4

Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

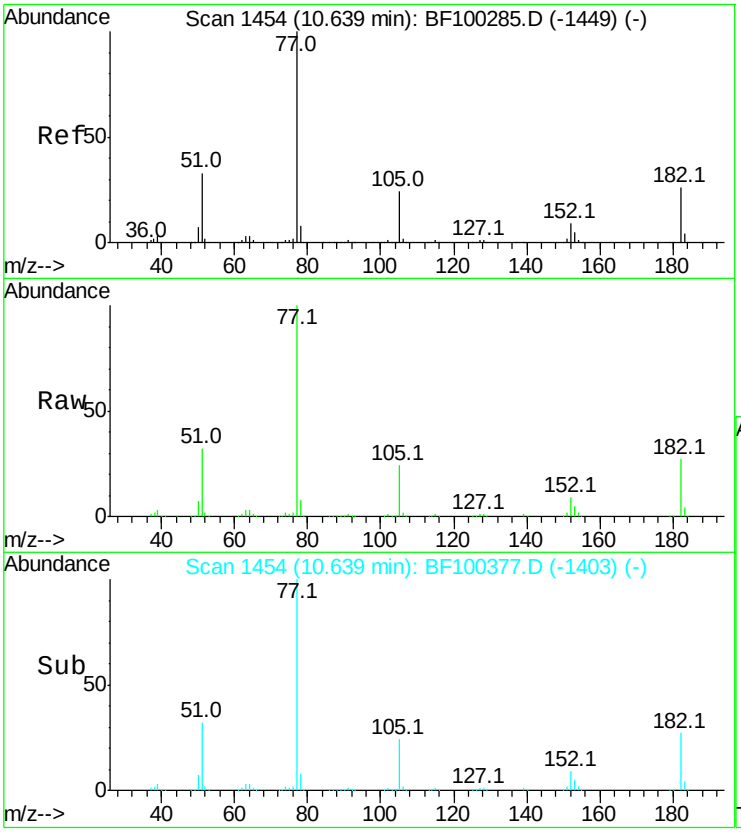


#44
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.26 min

Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	37.1
170	24.5

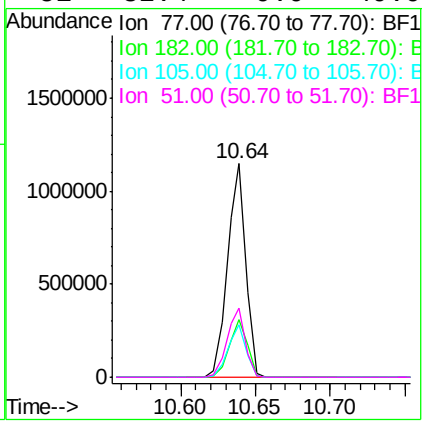


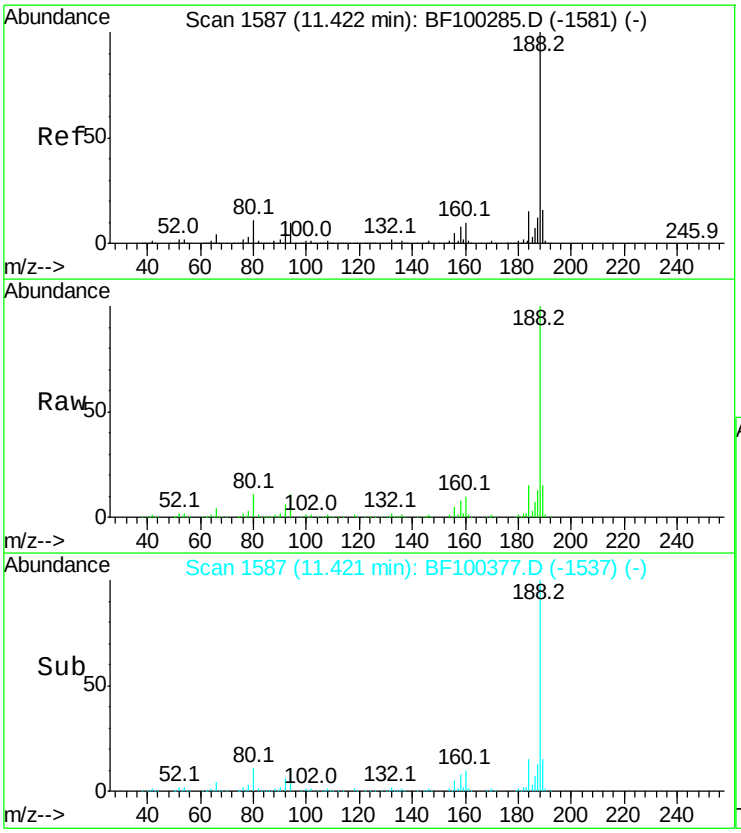
#62
Azobenzene
Concen: 53.067 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

Tgt Ion: 77 Resp: 998258

Ion	Ratio	Lower	Upper
77	100		
182	26.8	1.7	41.7
105	24.3	3.0	43.0
51	32.4	9.9	49.9

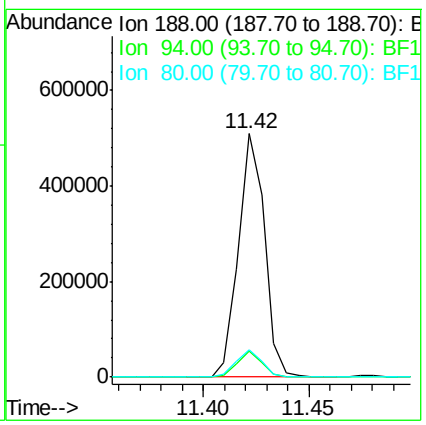


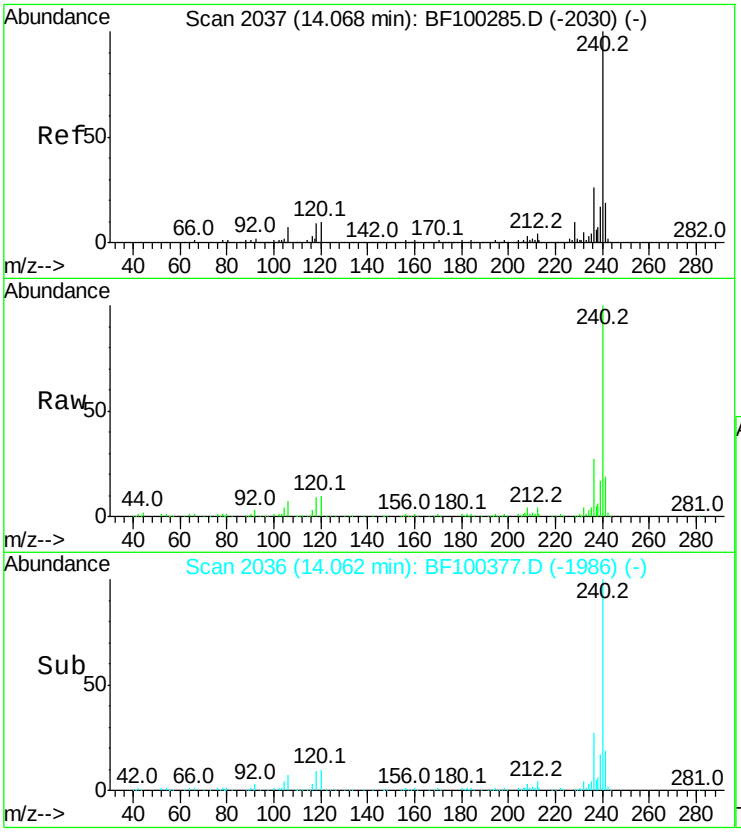


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion:188 Resp: 436191

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.1	9.2	13.8



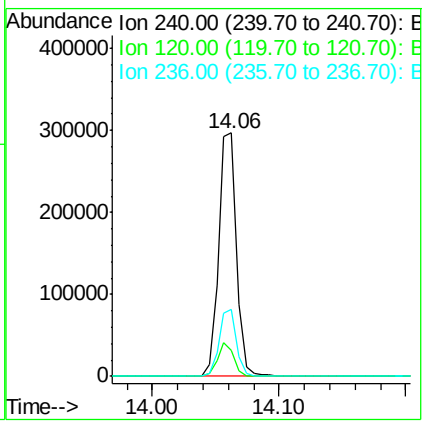


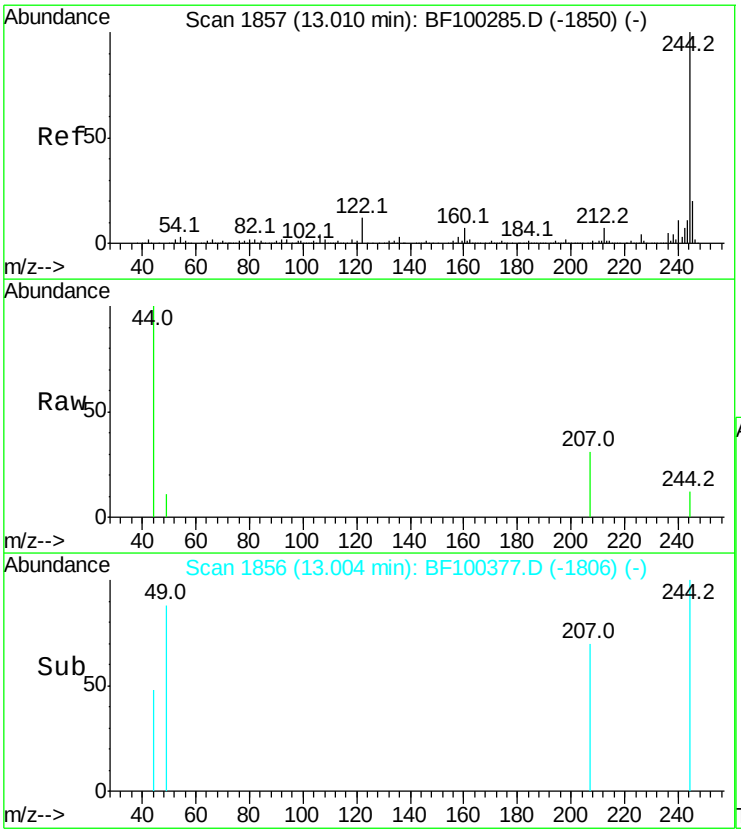
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

Tgt Ion:240 Resp: 292232

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	27.4	20.7	31.1

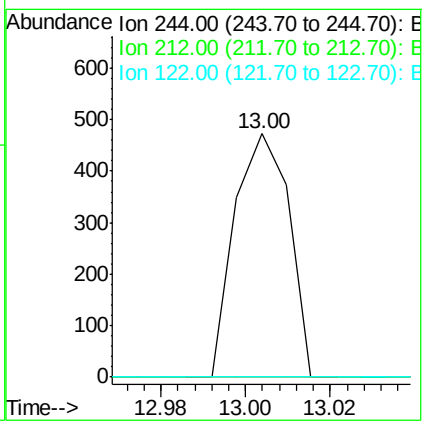


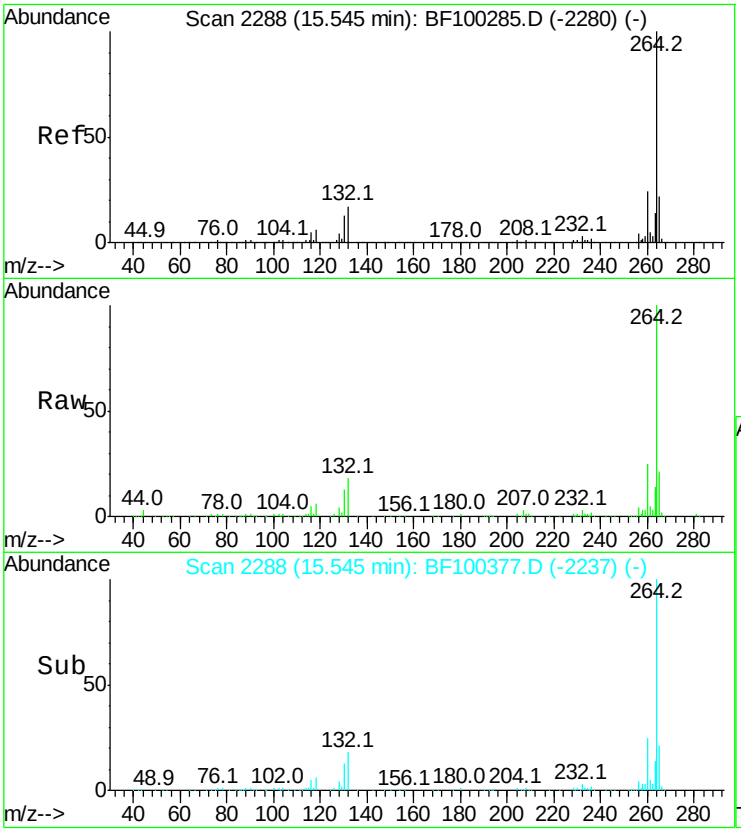


#78
Terphenyl-d14
Concen: 0.033 ng
RT: 13.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Tgt Ion:244 Resp: 422

Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	0.0	11.0	16.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF100377.D
Acq: 10 Nov 2017 8:46

Instrument :
BNA_F
ClientSampleId :
SP4151-Azobenzene

Tgt Ion:264 Resp: 299179

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.4	17.5	26.3