Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
Data File : BF084780.D
Acq On : 3 Feb 2016 8:31
Operator : SJ/IZ
Sample : H1313-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HSR-WC-25-012916

Quant Time: Feb 03 09:49:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	178044	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	776072	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	367082	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	666470	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	497373	20.00	ng	-0.03
86) Perylene-d12	15.22	264	395705	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1475470	129.08	ng	0.00
7) Phenol-d6	6.35	99	1532003	108.11	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1150740	83.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	507854	132.63	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2226502	116.61	ng	-0.02
78) Terphenyl-d14	12.81	244	2126019	96.86	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.01	128	90665	2.33	ng	98
76) Benzidine	12.56	184	32026	8.10	ng	97

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

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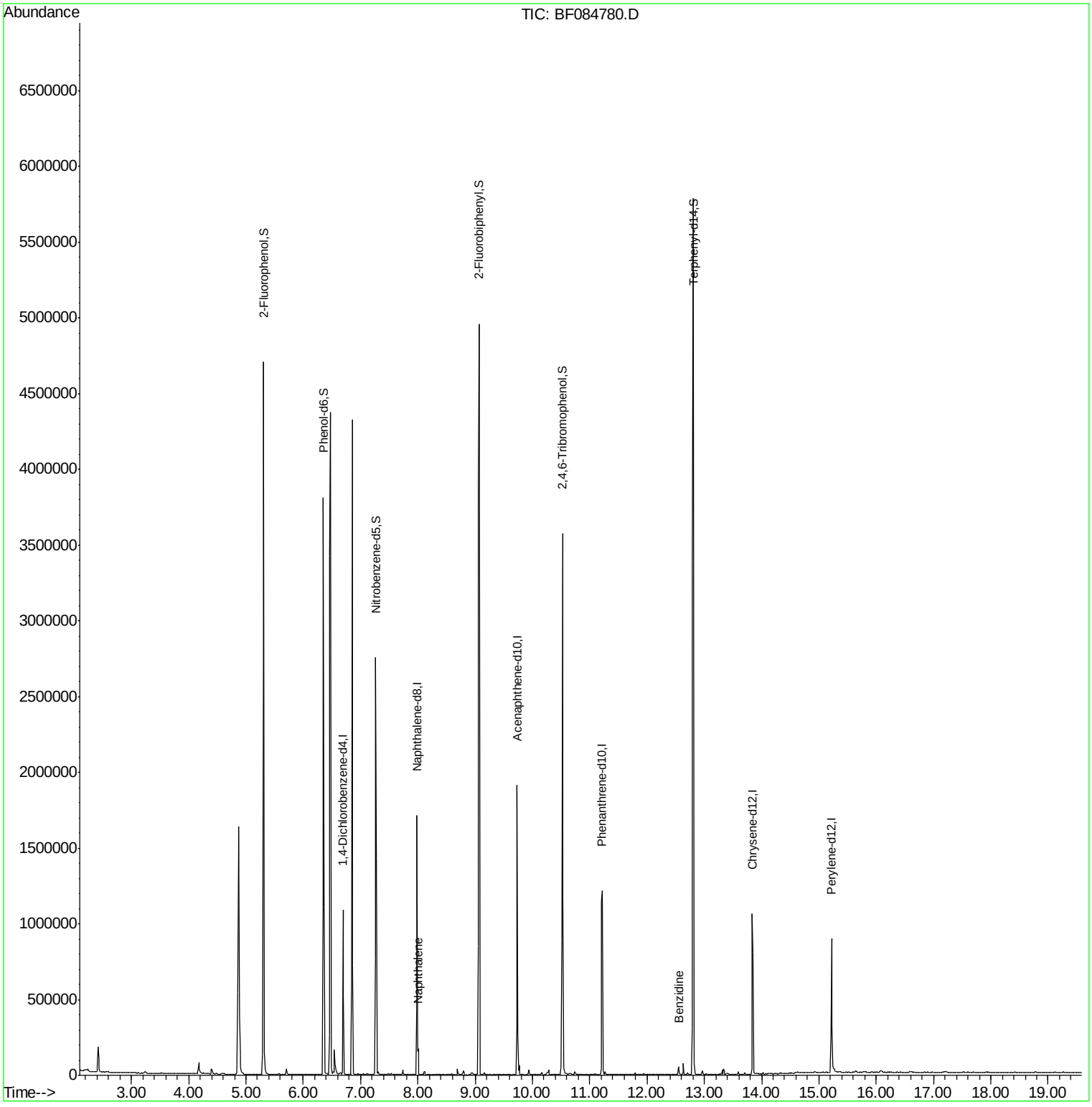
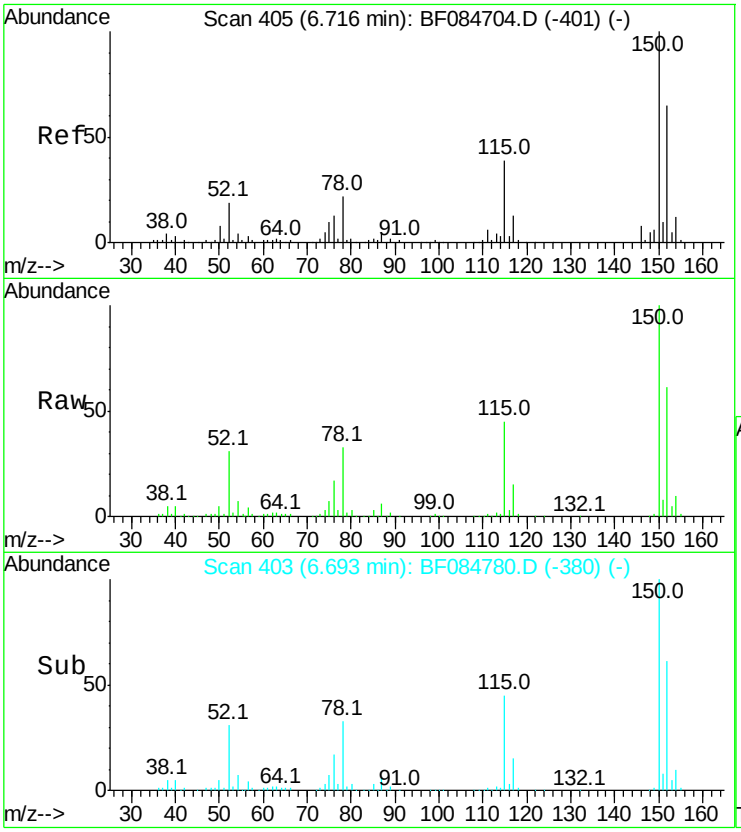


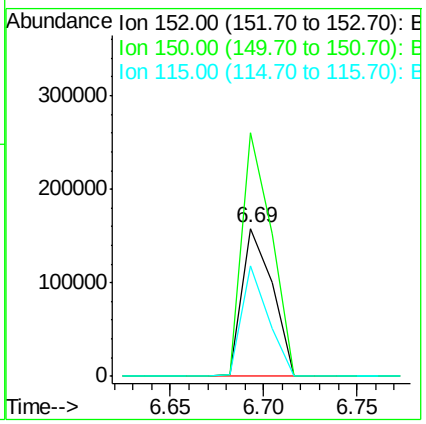


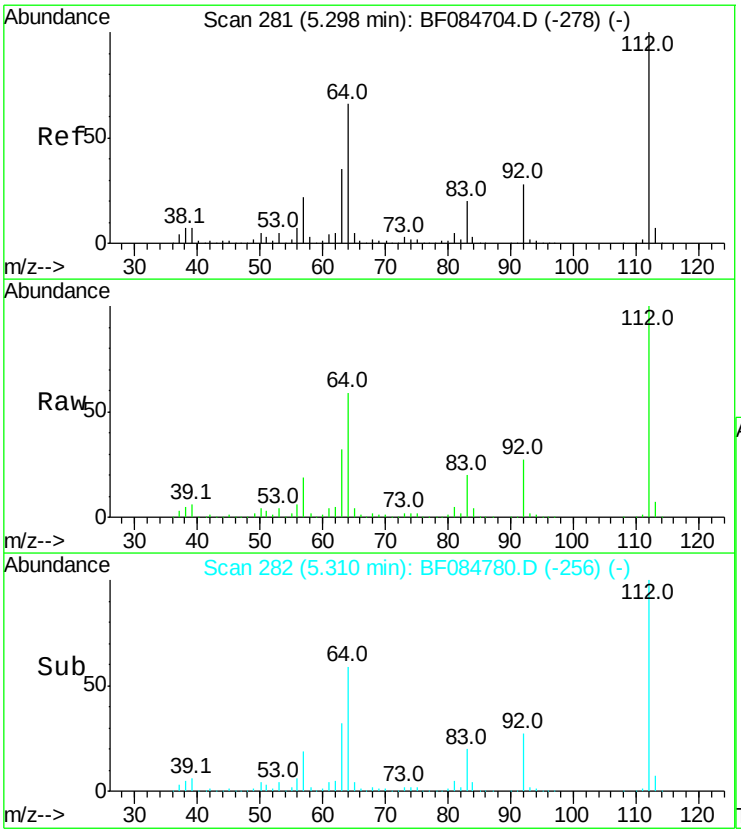
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 403
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion:152 Resp: 178044

Ion	Ratio	Lower	Upper
152	100		
150	164.8	123.0	184.4
115	74.8	51.4	77.2

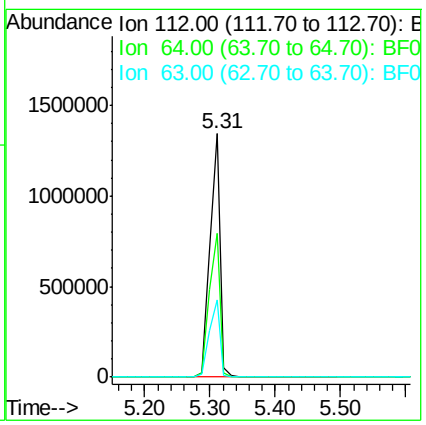


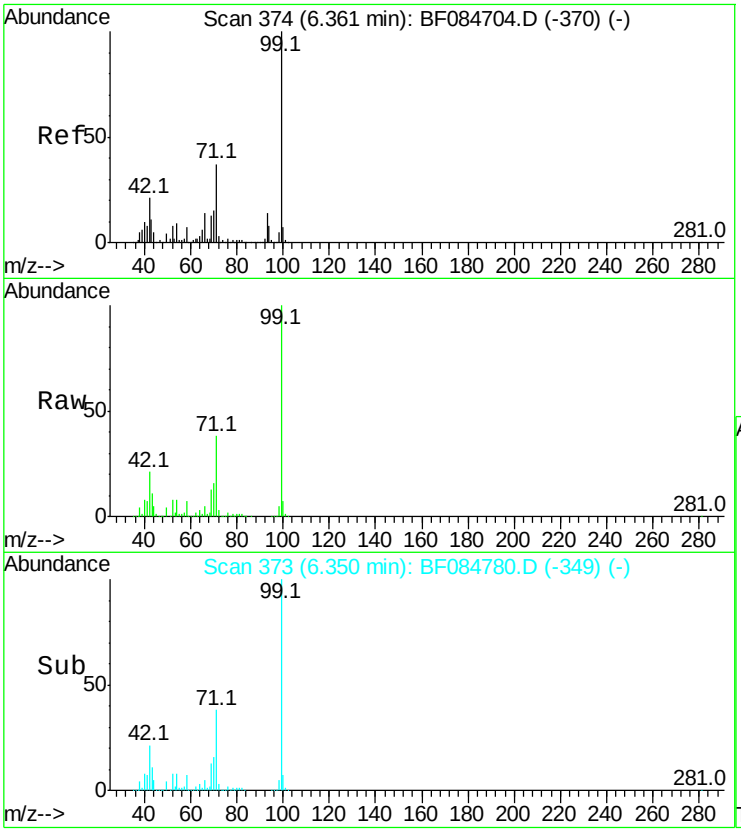


#5
2-Fluorophenol
Concen: 129.08 ng
RT: 5.31 min Scan# 282
Delta R.T. 0.00 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:112 Resp: 1475470

Ion	Ratio	Lower	Upper
112	100		
64	59.2	36.6	55.0#
63	31.6	19.4	29.0#



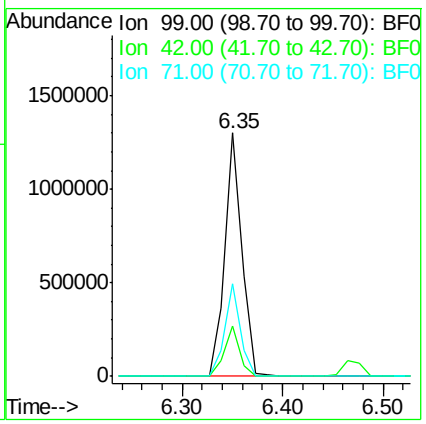


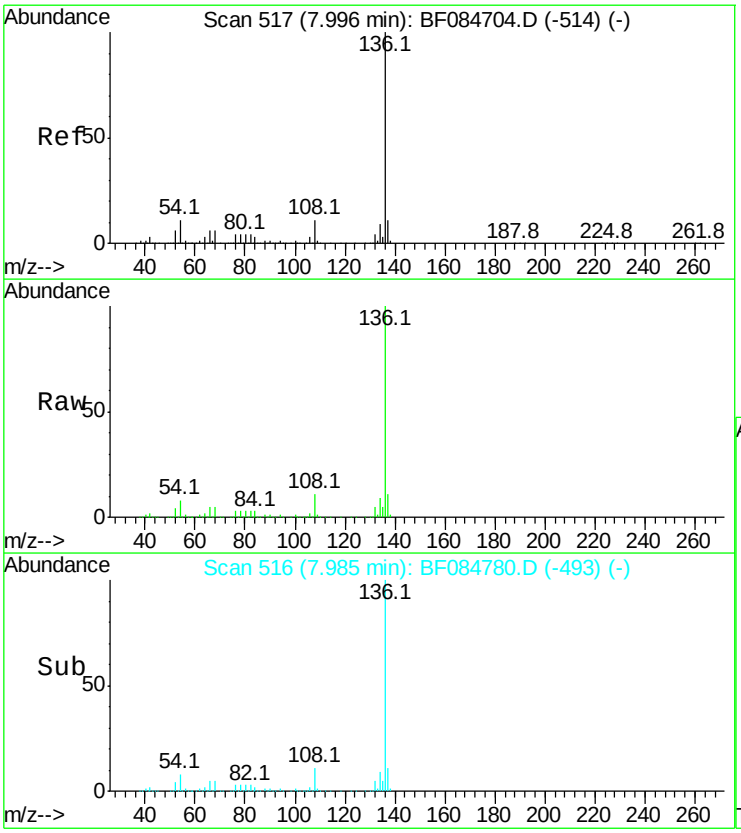
#7
Phenol-d6
Concen: 108.11 ng
RT: 6.35 min Scan# 373
Delta R.T. -0.02 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion: 99 Resp: 1532003

Ion	Ratio	Lower	Upper
99	100		
42	20.8	12.8	19.2#
71	37.9	30.9	46.3

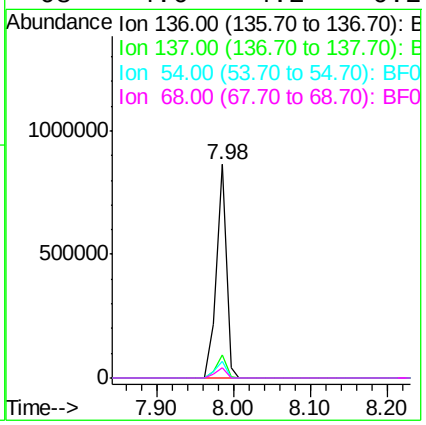


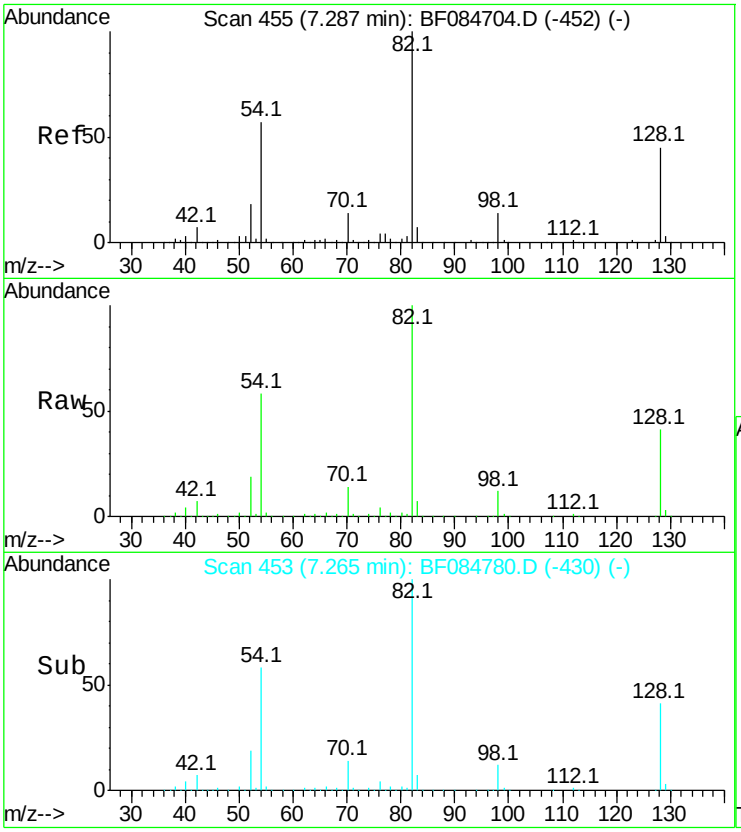


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:136 Resp: 776072

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.8	5.8	8.8
68	4.6	4.2	6.2



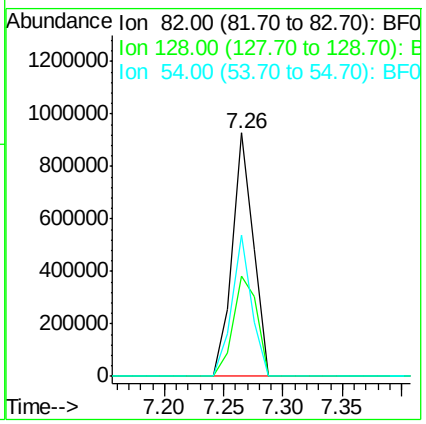


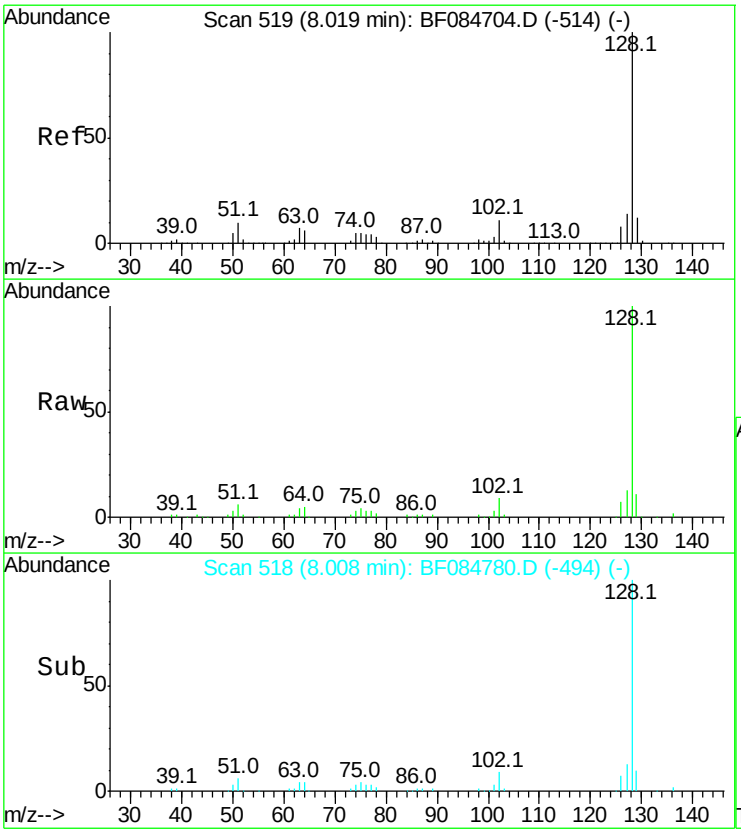
#23
Nitrobenzene-d5
Concen: 83.53 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion: 82 Resp: 1150740

Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.6	51.8
54	57.9	38.4	57.6#

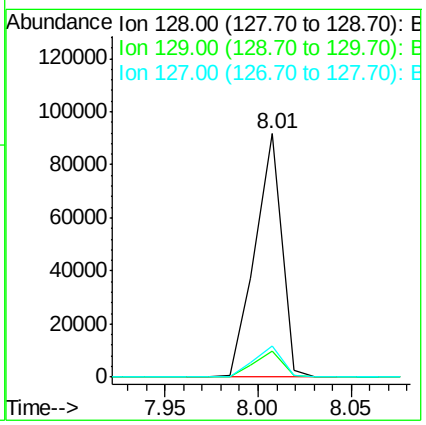


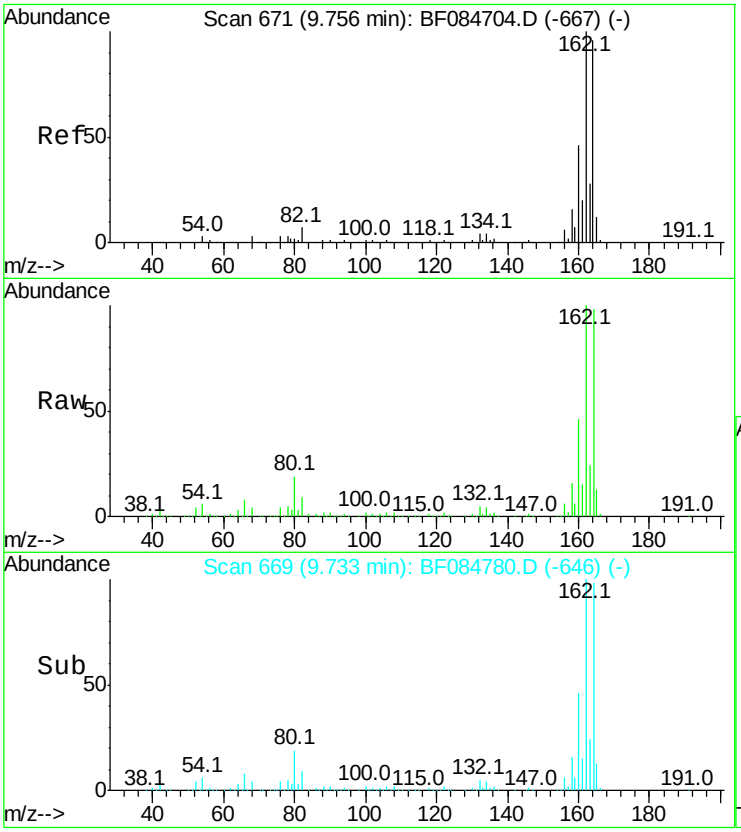


#31
Naphthalene
Concen: 2.33 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.02 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:128 Resp: 90665

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.1	13.7
127	13.0	11.1	16.7



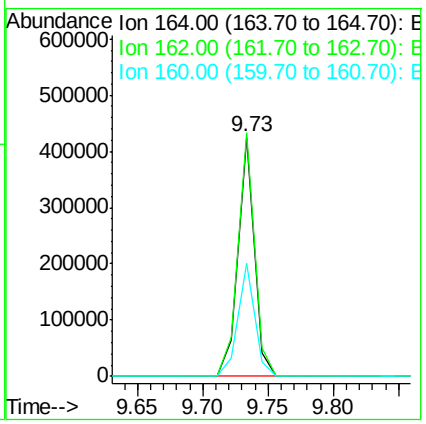


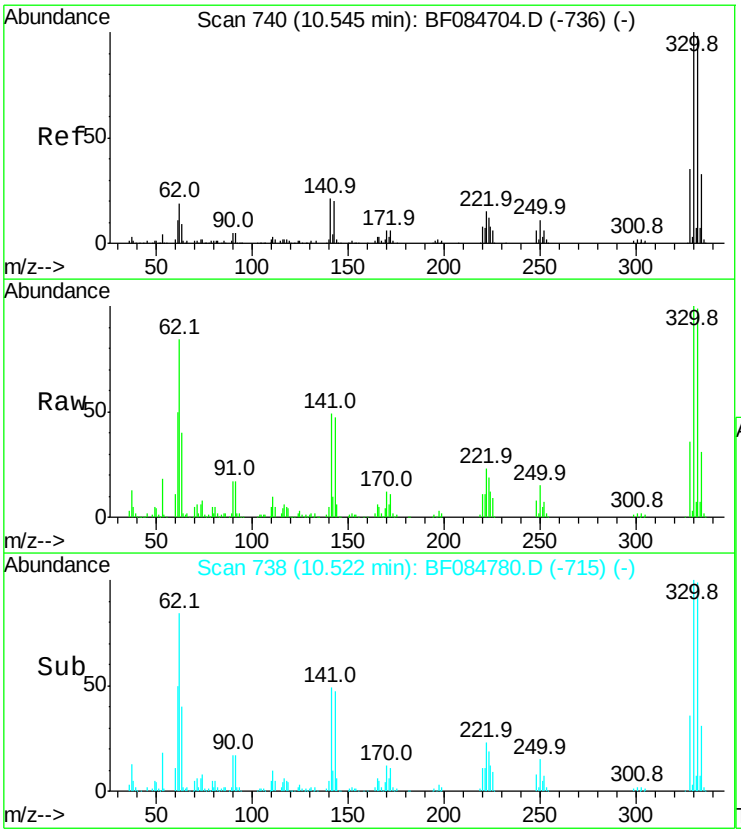
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion:164 Resp: 367082

Ion	Ratio	Lower	Upper
164	100		
162	101.8	85.1	127.7
160	47.2	37.5	56.3

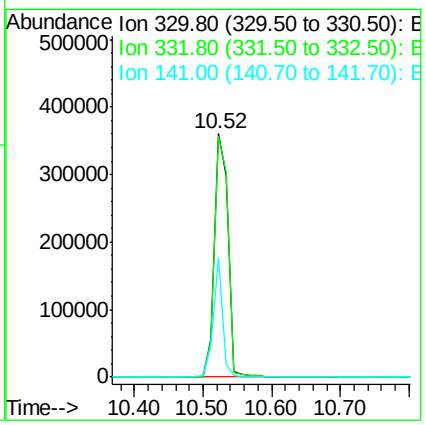


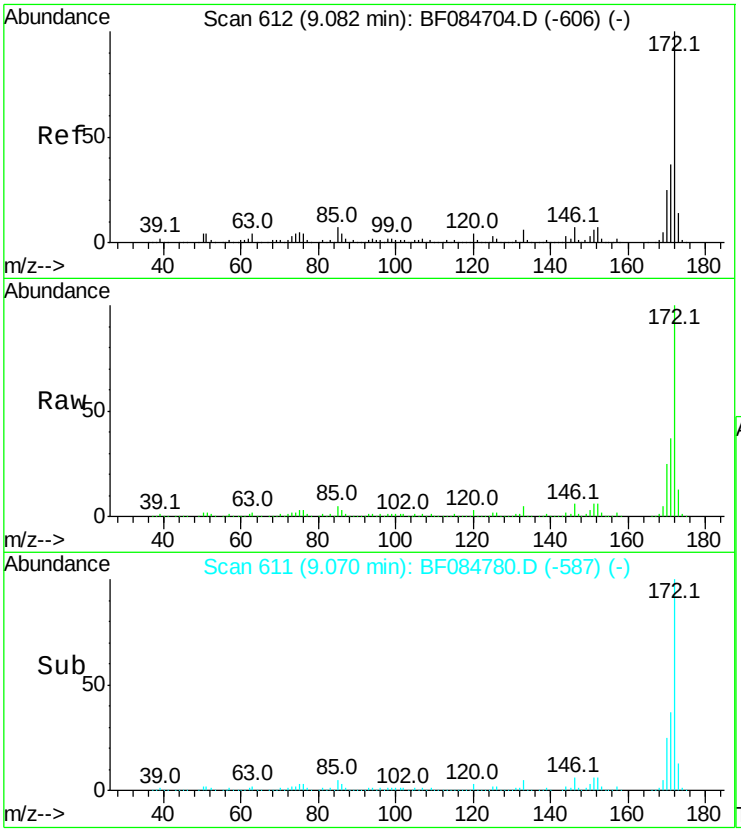


#41
2,4,6-Tribromophenol
Concen: 132.63 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:330 Resp: 507854

Ion	Ratio	Lower	Upper
330	100		
332	99.8	76.6	114.8
141	34.3	27.8	41.6



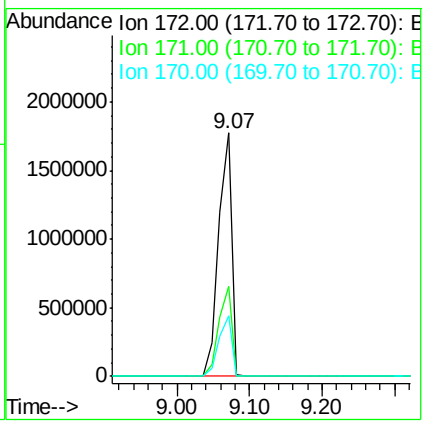


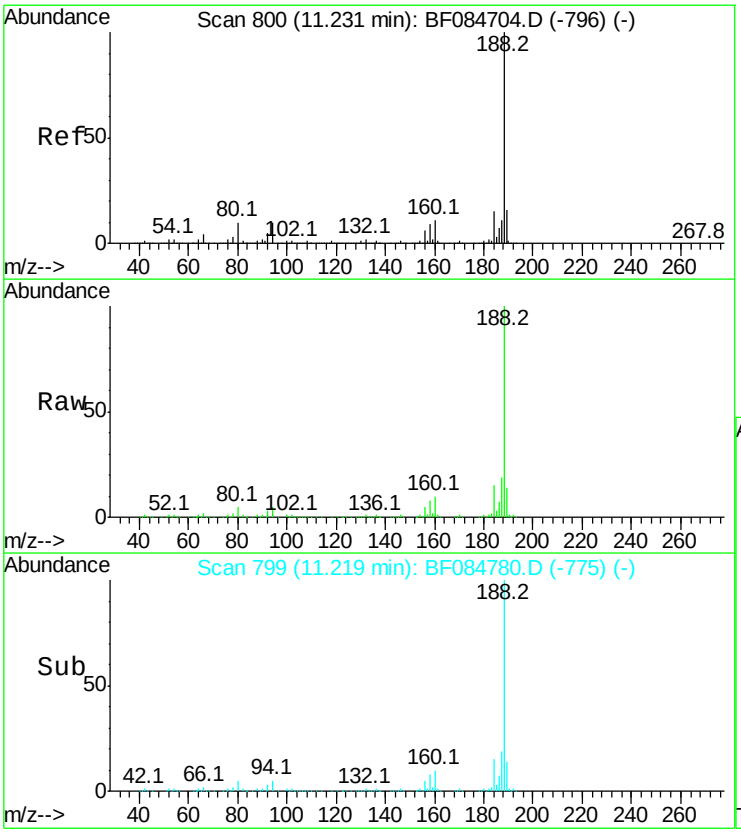
#44
2-Fluorobiphenyl
Concen: 116.61 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion:172 Resp: 2226502

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.9	43.3
170	25.1	18.6	27.8

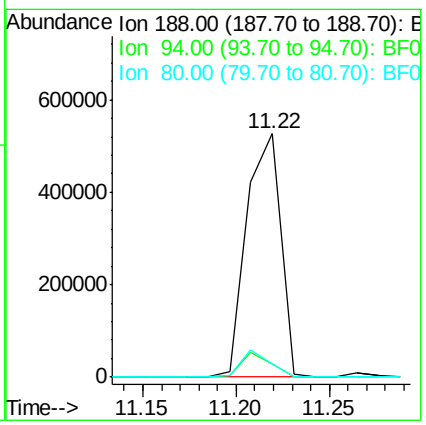


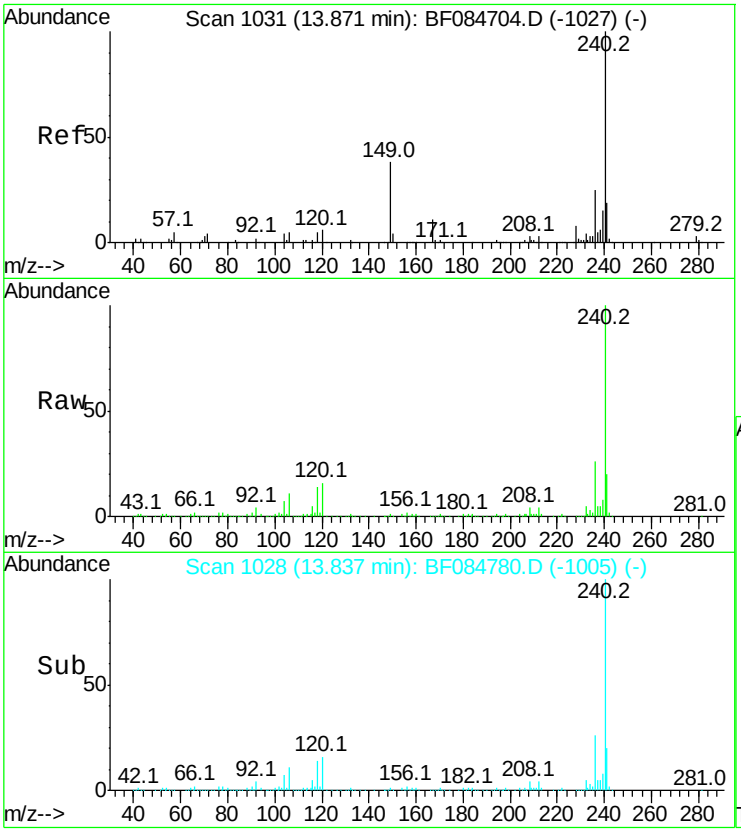


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:188 Resp: 666470

Ion	Ratio	Lower	Upper
188	100		
94	5.2	9.0	13.4#
80	5.3	9.6	14.4#



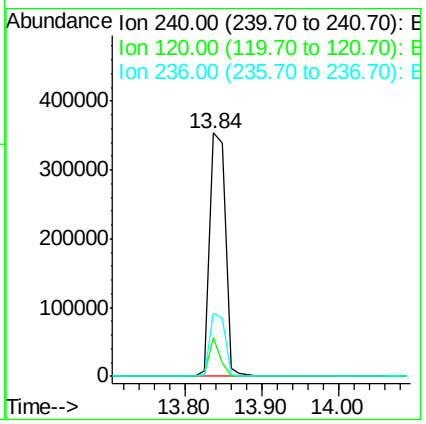


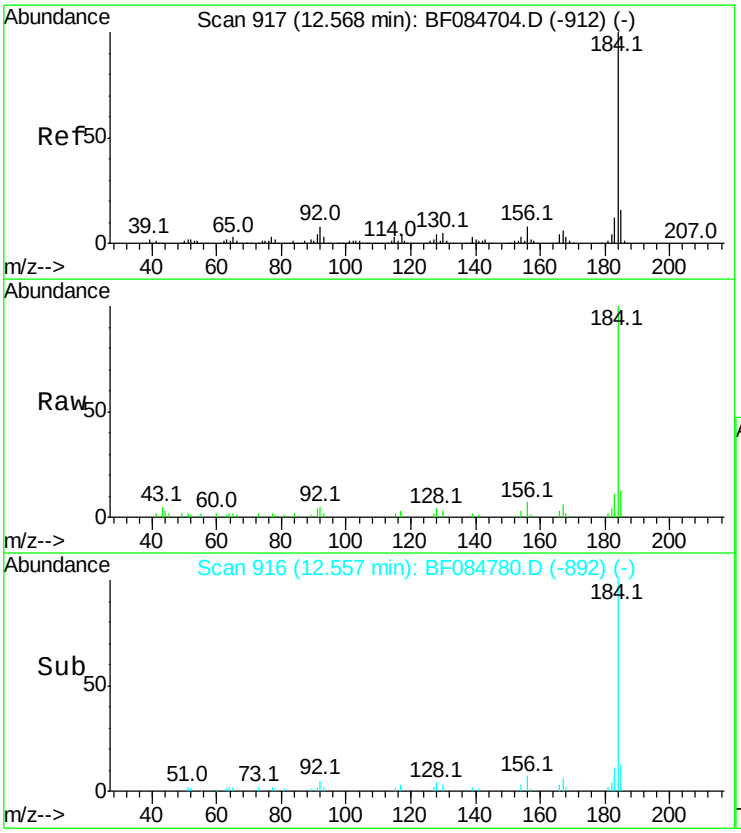
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion:240 Resp: 497373

Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	25.8	20.6	31.0

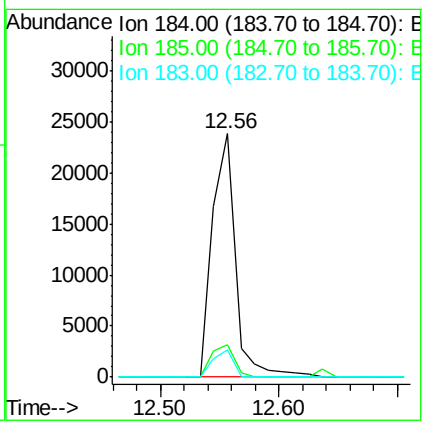


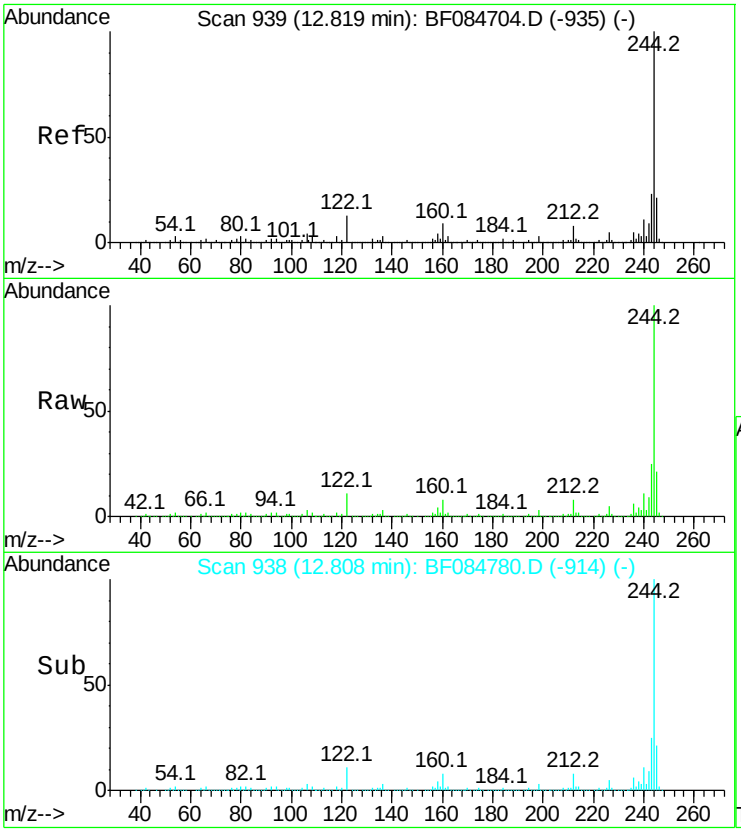


#76
Benzidine
Concen: 8.10 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:184 Resp: 32026

Ion	Ratio	Lower	Upper
184	100		
185	13.4	12.2	18.2
183	11.4	9.8	14.8



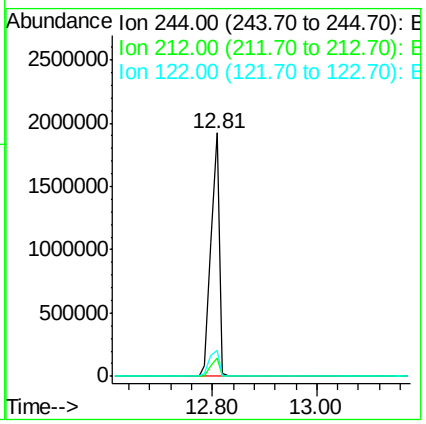


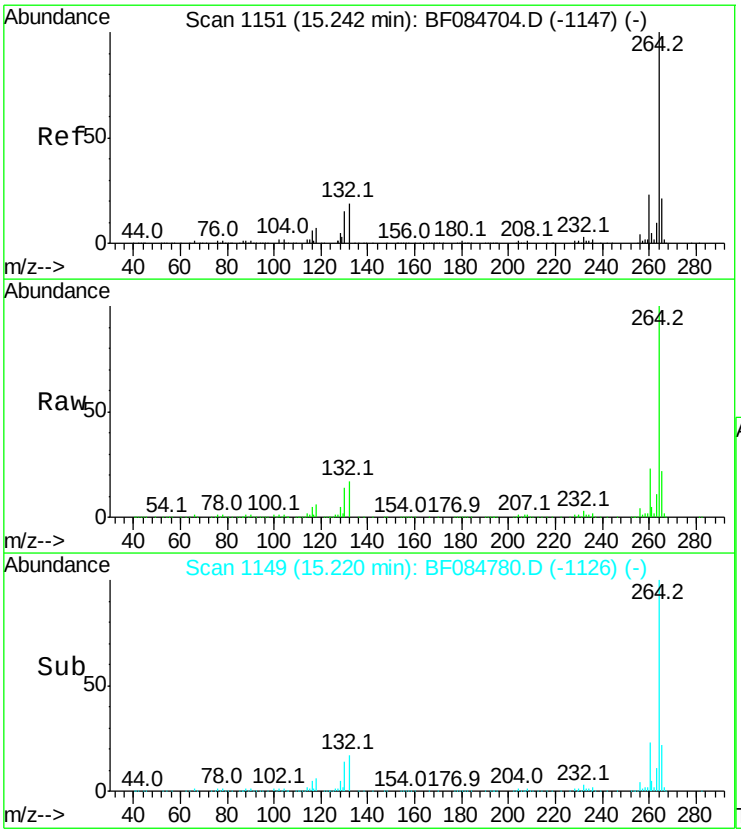
#78
Terphenyl-d14
Concen: 96.86 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Instrument :
BNA_F
ClientSampleId :
HSR-WC-25-012916

Tgt Ion:244 Resp: 2126019

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.7	8.5
122	10.6	7.4	11.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF084780.D
Acq: 3 Feb 2016 8:31

Tgt Ion:264 Resp: 395705

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.8	17.8	26.6