Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
Data File : BF083971.D
Acq On : 19 Dec 2015 22:58
Operator : UM/SJ
Sample : G4823-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9879-A

Quant Time: Dec 21 04:18:13 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	78102	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	331774	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	153150	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	230432	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	186342	20.00	ng	-0.03
86) Perylene-d12	15.44	264	145888	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	504258	101.04	ng	0.00
7) Phenol-d6	6.50	99	685434	112.21	ng	-0.01
23) Nitrobenzene-d5	7.41	82	515666	88.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	255756	151.59	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	846804	76.41	ng	-0.03
78) Terphenyl-d14	12.96	244	904056	115.69	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.16	128	192145	9.77	ng	99
51) Acenaphthene	9.92	154	35561	3.24	ng	98
70) Phenanthrene	11.39	178	29310	2.11	ng	100

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

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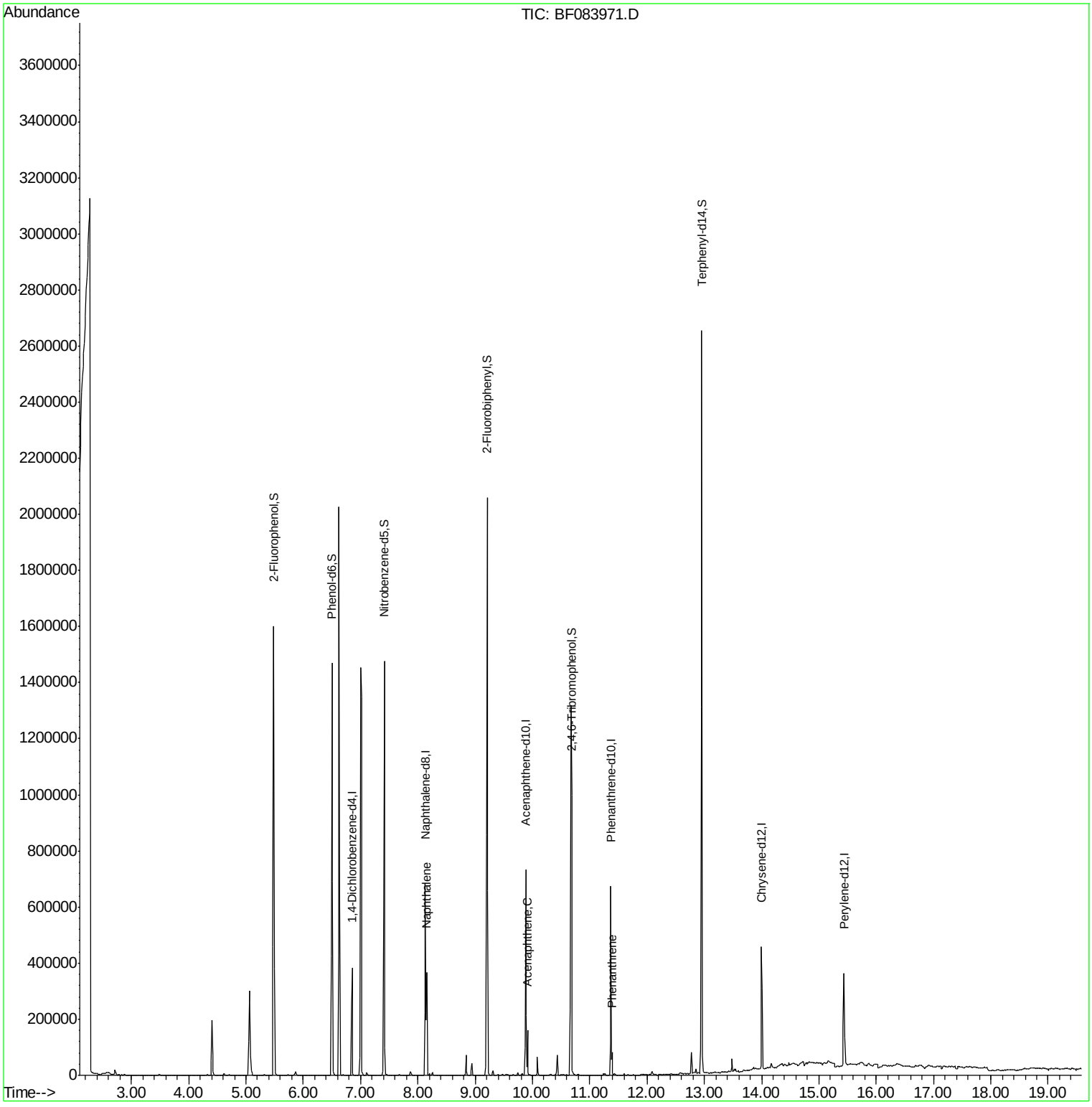
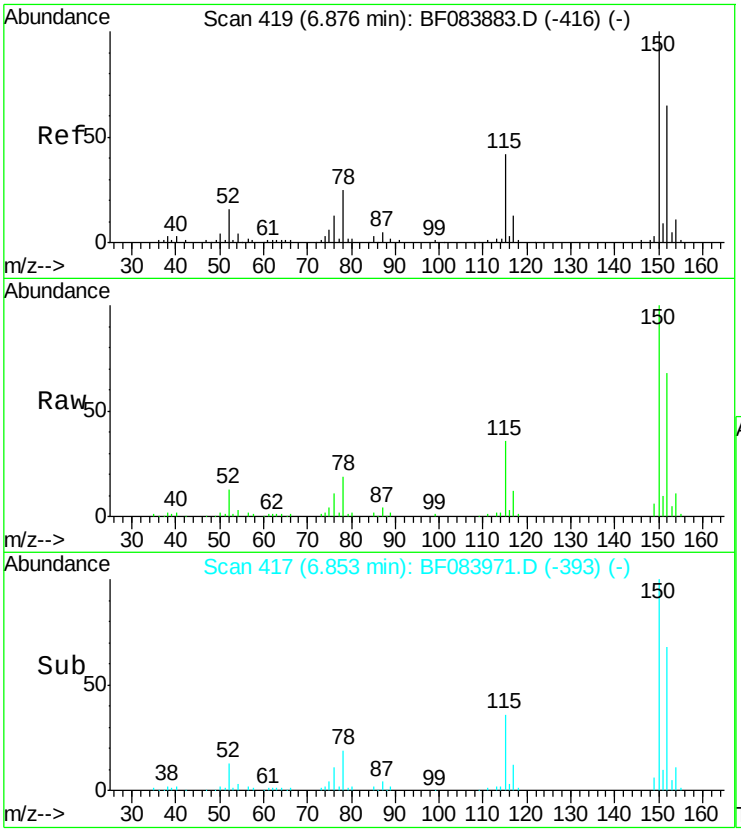


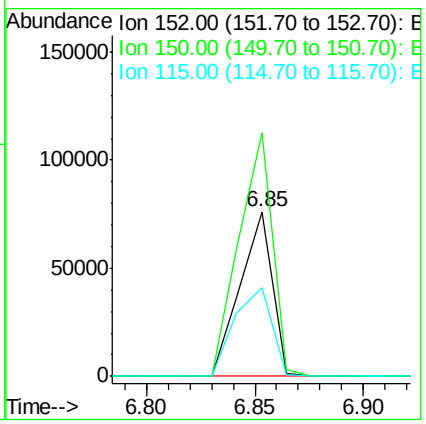


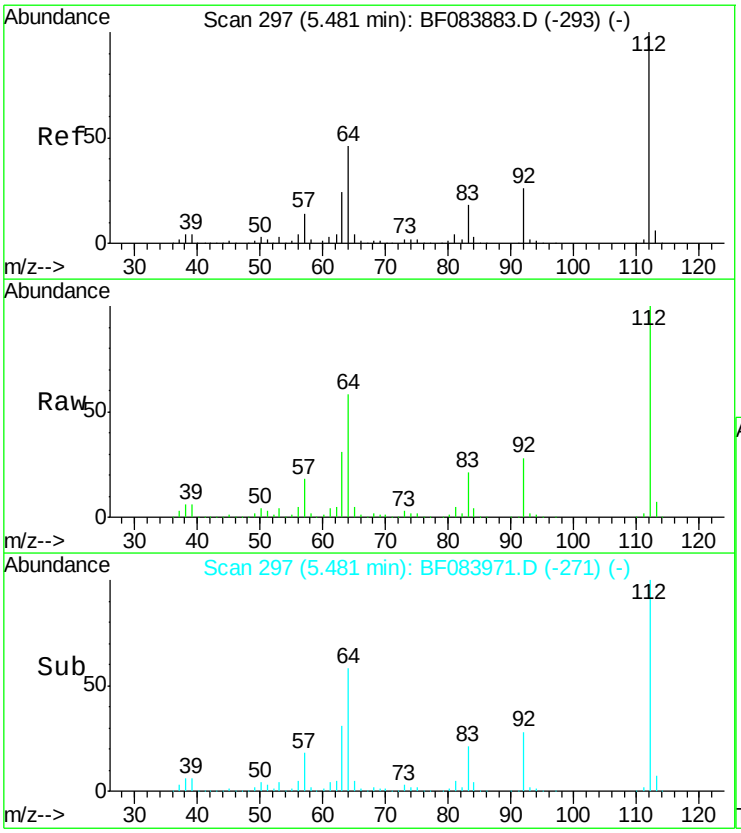
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion:152 Resp: 78102

Ion	Ratio	Lower	Upper
152	100		
150	147.8	123.0	184.4
115	53.7	51.4	77.2

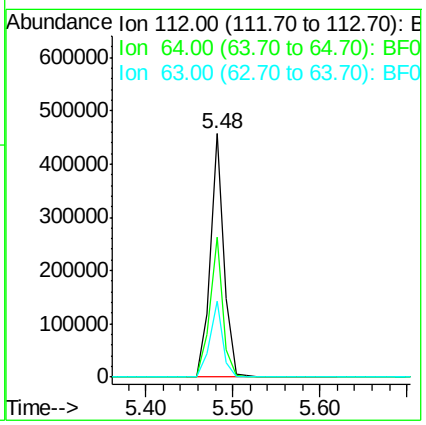


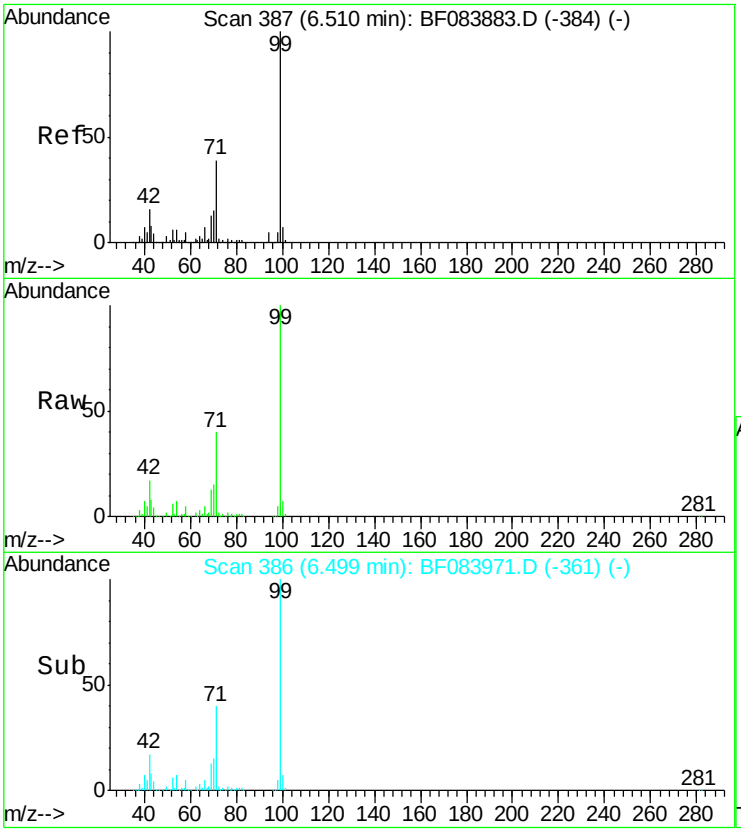


#5
2-Fluorophenol
Concen: 101.04 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.00 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:112 Resp: 504258

Ion	Ratio	Lower	Upper
112	100		
64	57.6	36.6	55.0#
63	31.3	19.4	29.0#



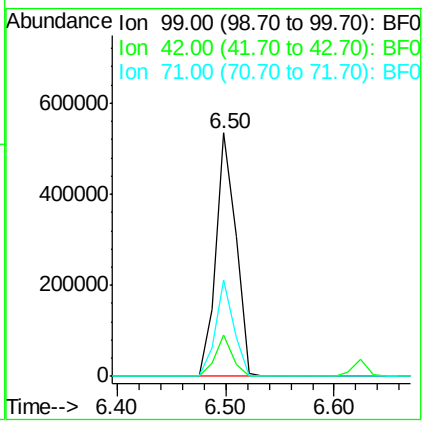


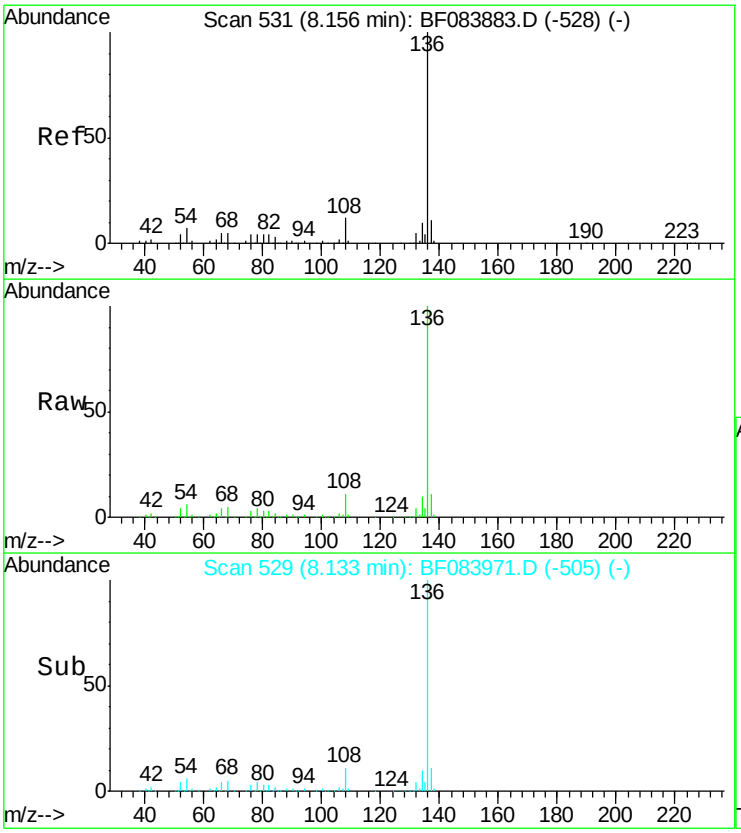
#7
Phenol-d6
Concen: 112.21 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.01 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion: 99 Resp: 685434

Ion	Ratio	Lower	Upper
99	100		
42	16.8	12.8	19.2
71	39.6	30.9	46.3

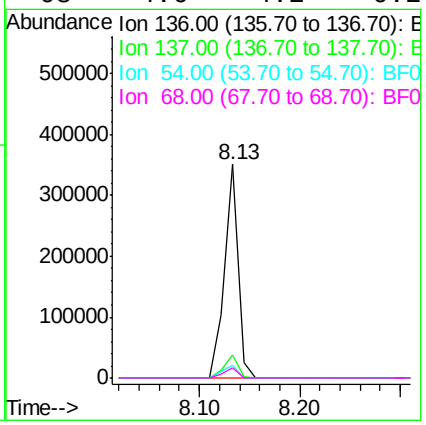


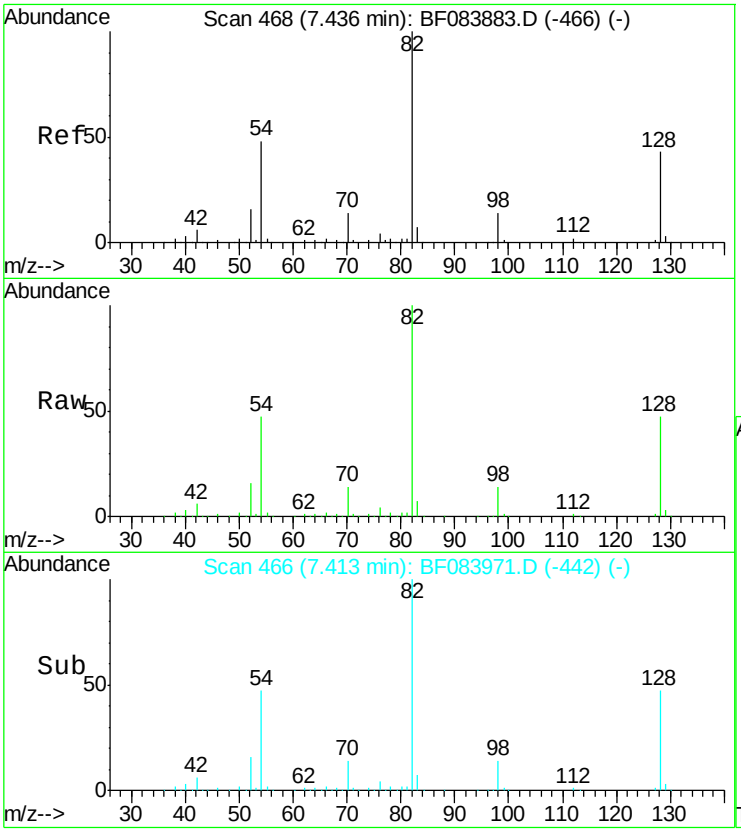


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:136 Resp: 331774

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	5.8	5.8	8.8#
68	4.6	4.2	6.2



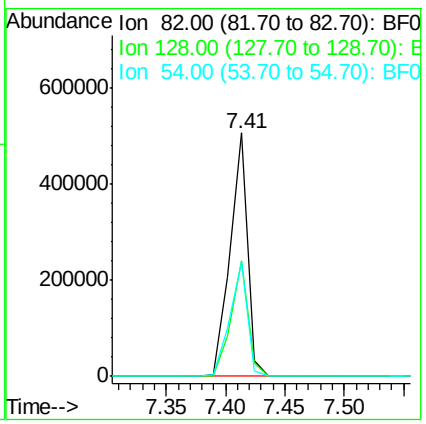


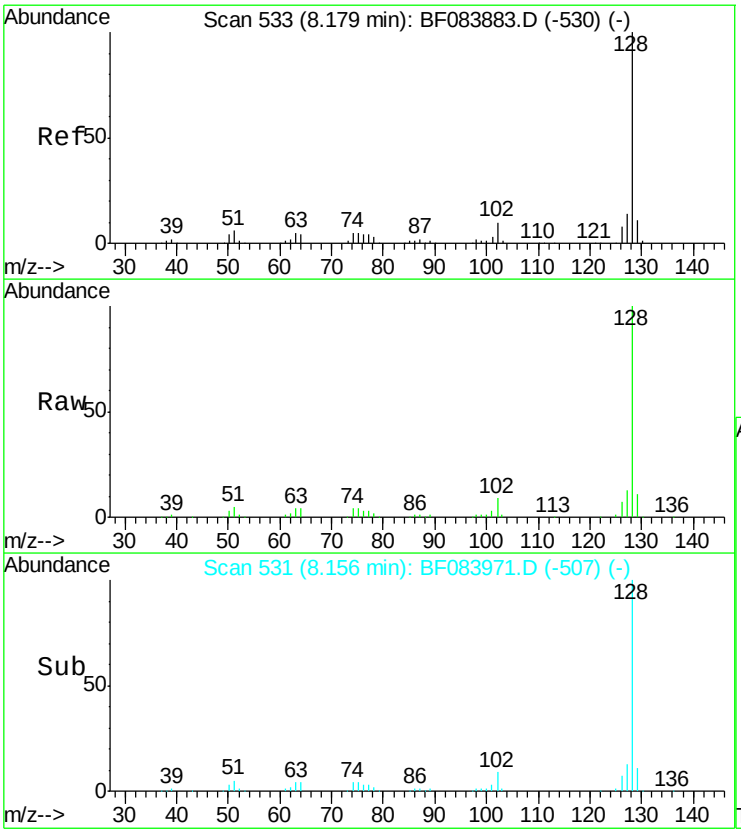
#23
Nitrobenzene-d5
Concen: 88.71 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion: 82 Resp: 515666

Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.6	51.8
54	46.9	38.4	57.6

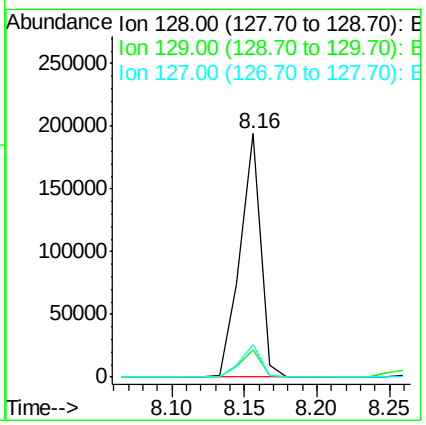


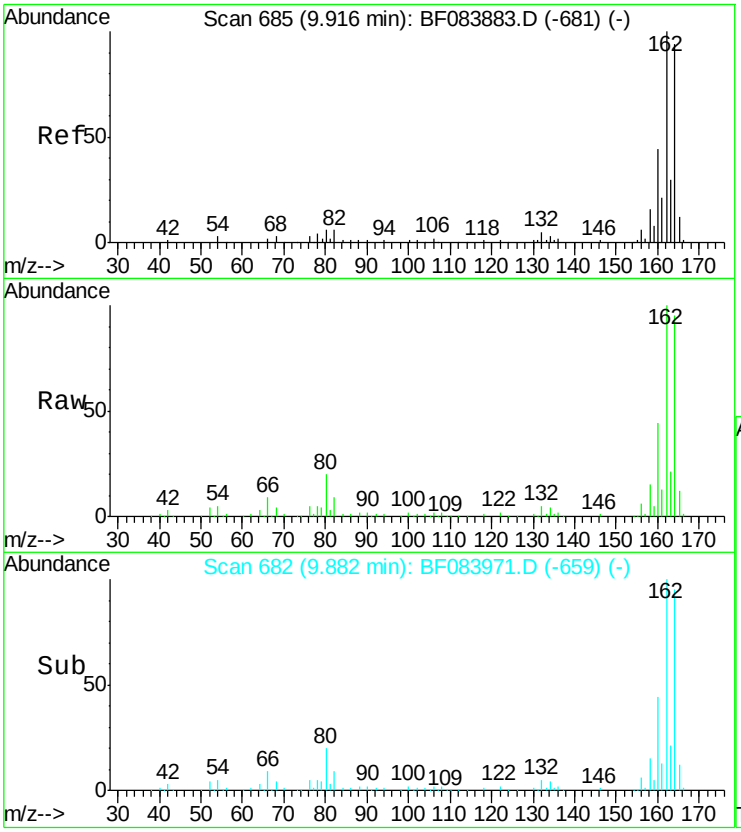


#31
Naphthalene
Concen: 9.77 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:128 Resp: 192145

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	13.3	11.1	16.7



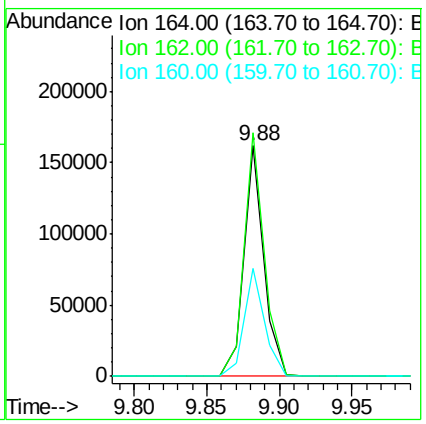


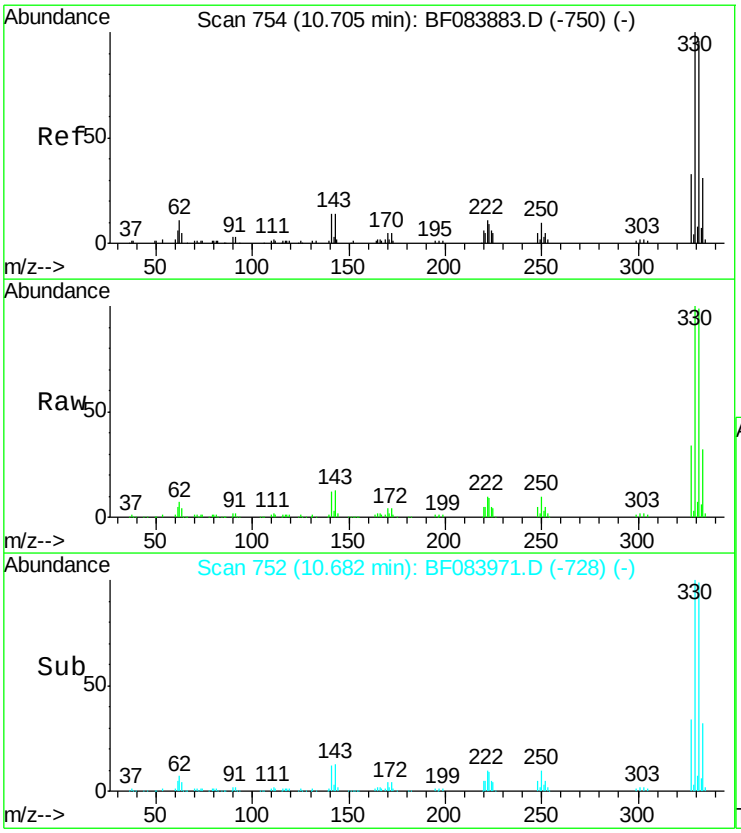
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion:164 Resp: 153150

Ion	Ratio	Lower	Upper
164	100		
162	105.7	85.1	127.7
160	46.8	37.5	56.3

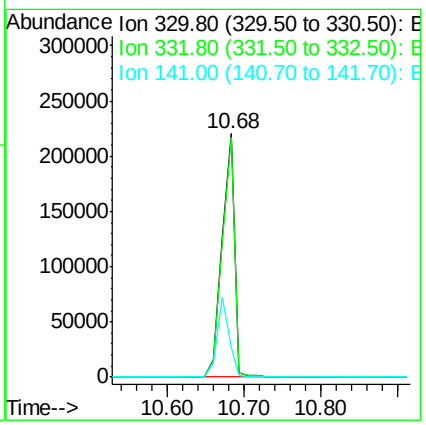


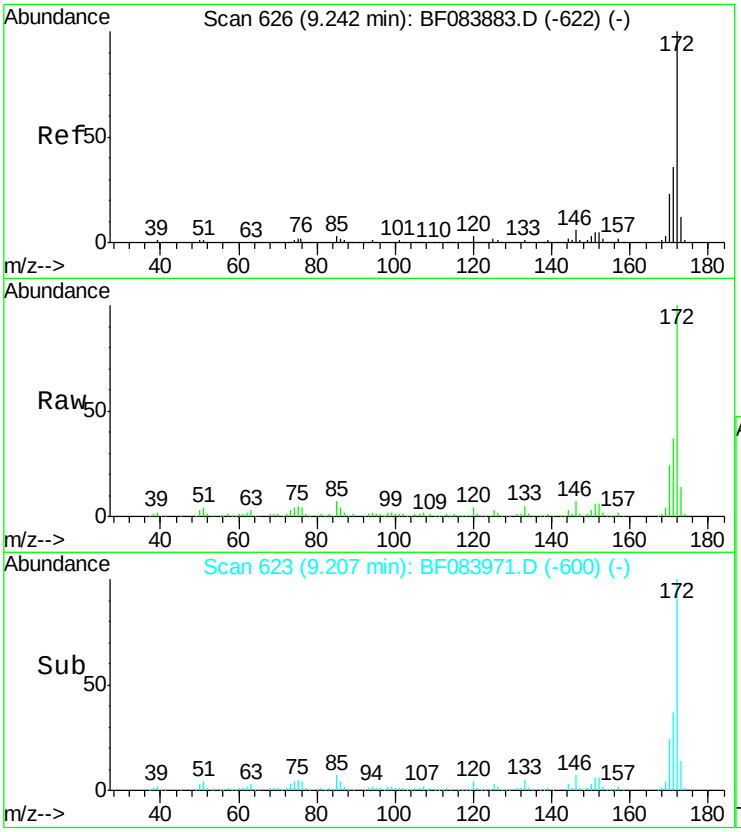


#41
2,4,6-Tribromophenol
Concen: 151.59 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:330 Resp: 255756

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	114.8
141	31.0	27.8	41.6



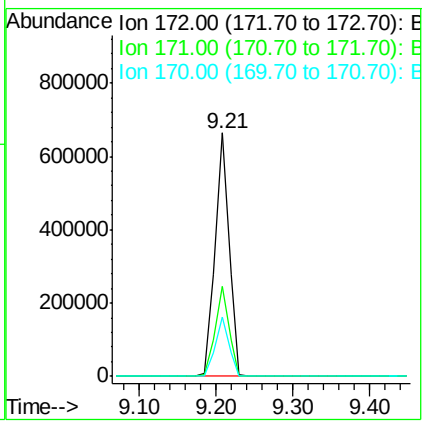


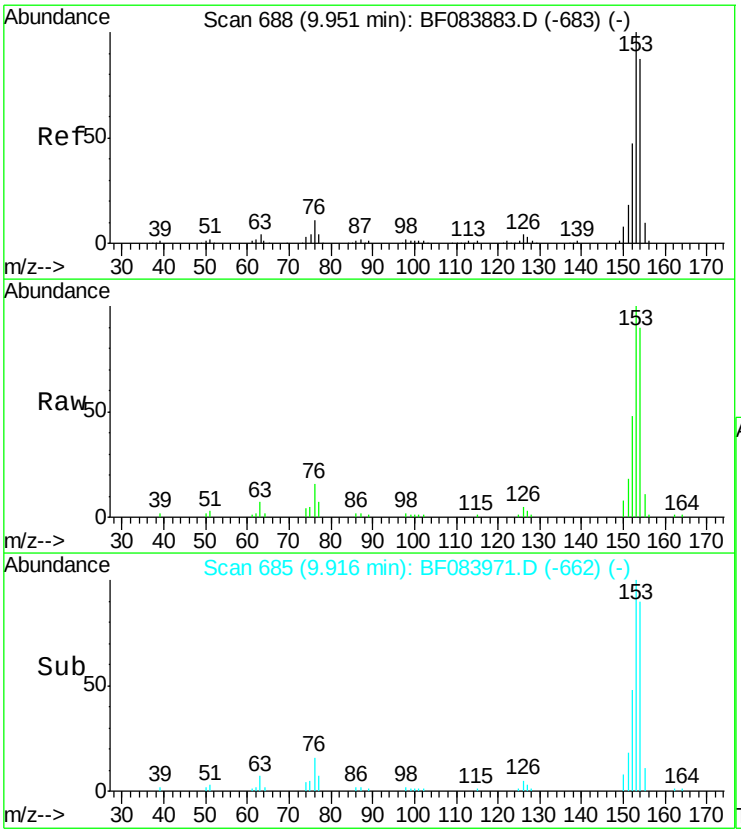
#44
2-Fluorobiphenyl
Concen: 76.41 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion:172 Resp: 846804

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	24.4	18.6	27.8

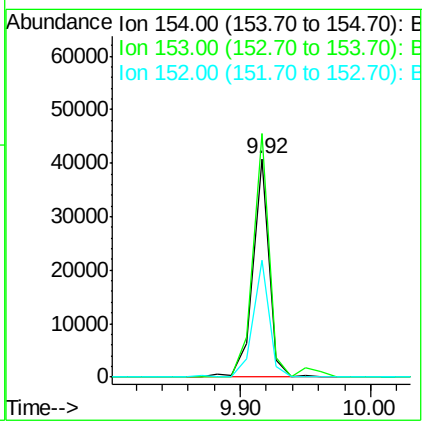


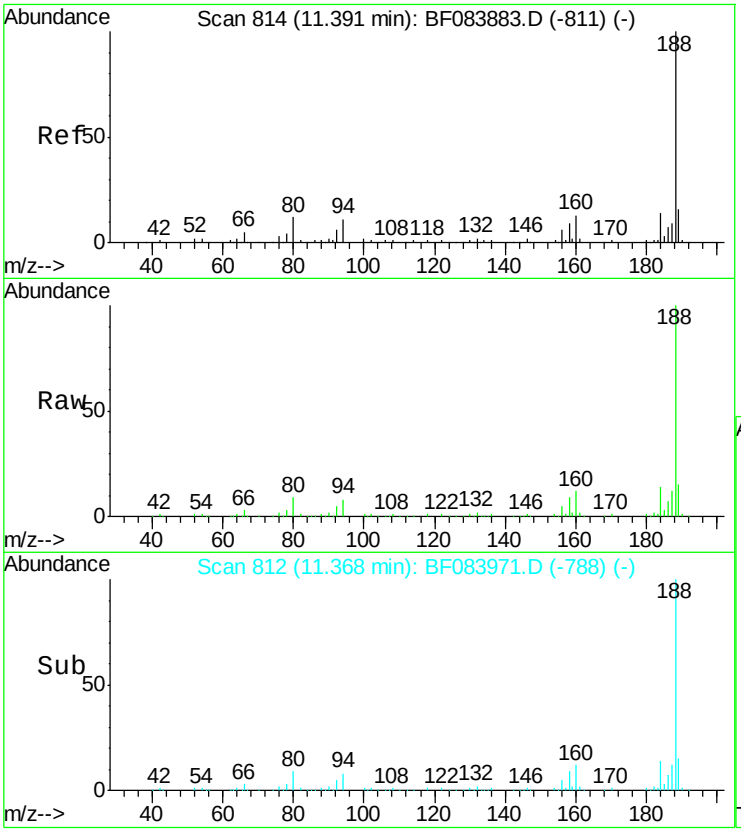


#51
Acenaphthene
Concen: 3.24 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:154 Resp: 35561

Ion	Ratio	Lower	Upper
154	100		
153	111.4	91.5	137.3
152	53.7	43.0	64.6



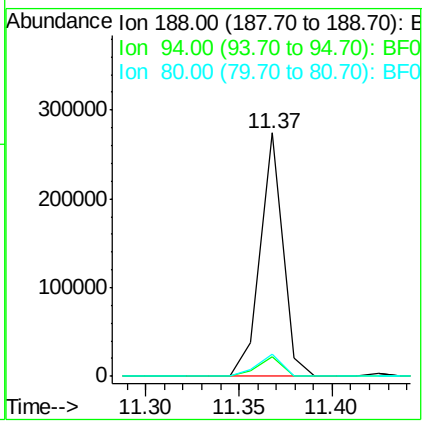


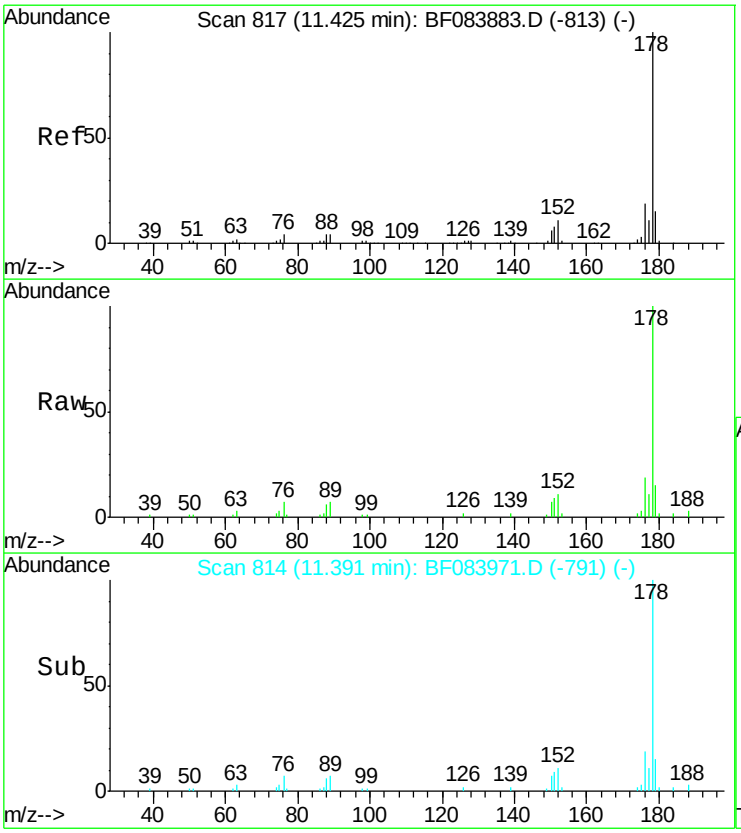
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument : BNA_F
ClientSampleId : LAR-9879-A

Tgt Ion:188 Resp: 230432

Ion	Ratio	Lower	Upper
188	100		
94	8.2	9.0	13.4#
80	9.0	9.6	14.4#

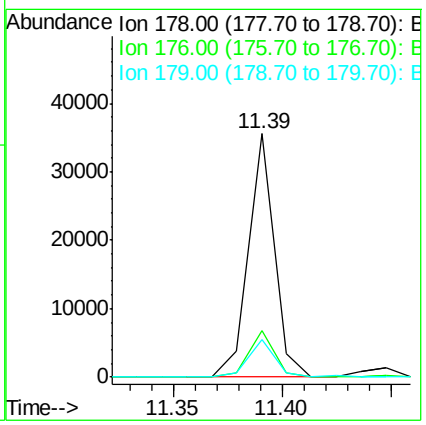


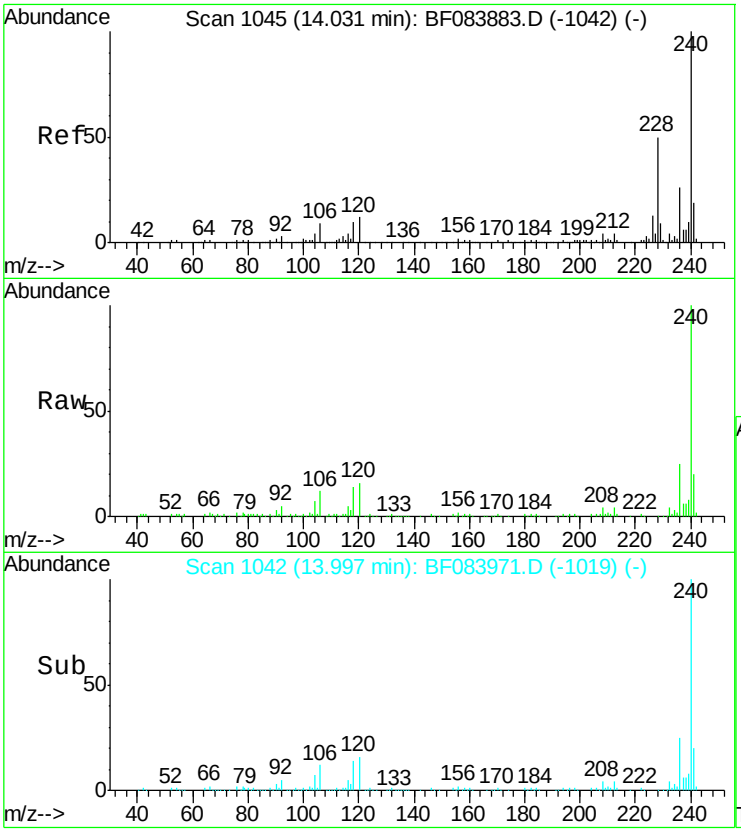


#70
Phenanthrene
Concen: 2.11 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:178 Resp: 29310

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.0	18.0



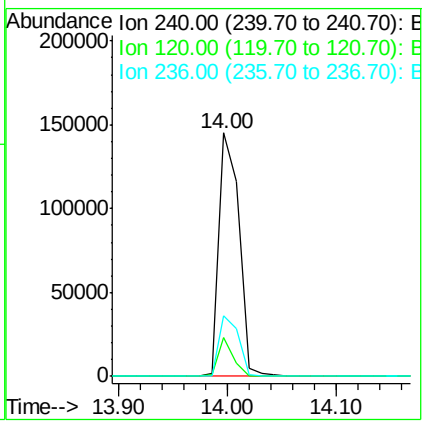


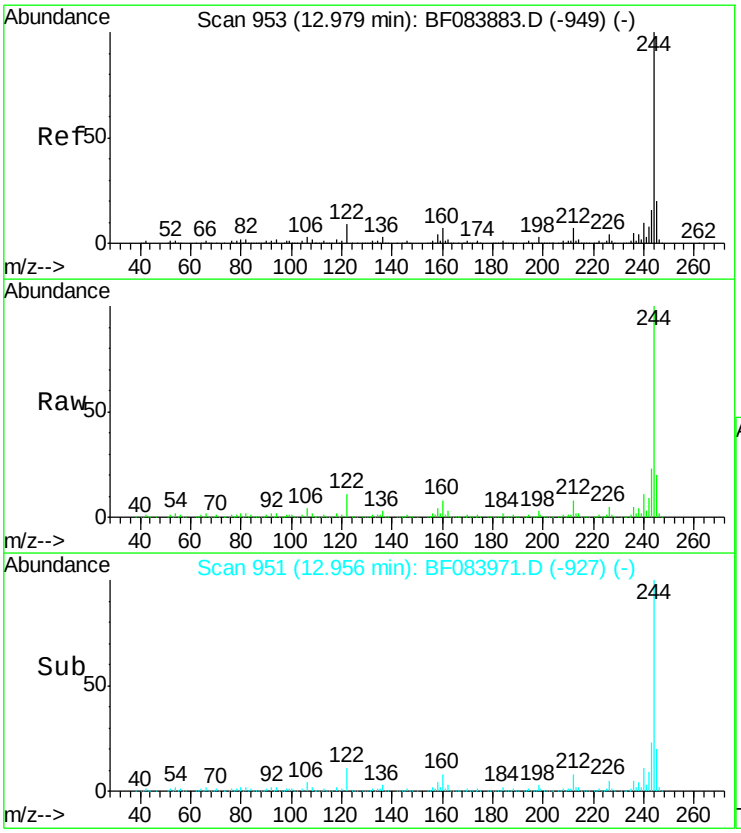
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion:240 Resp: 186342

Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	25.1	20.6	31.0

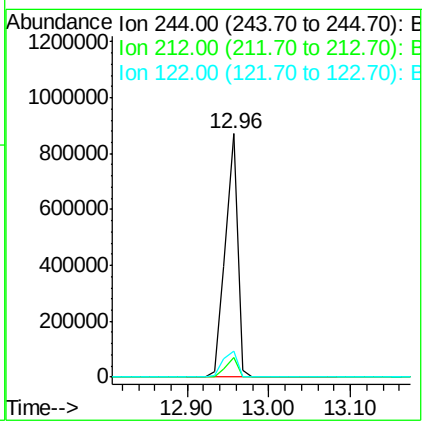


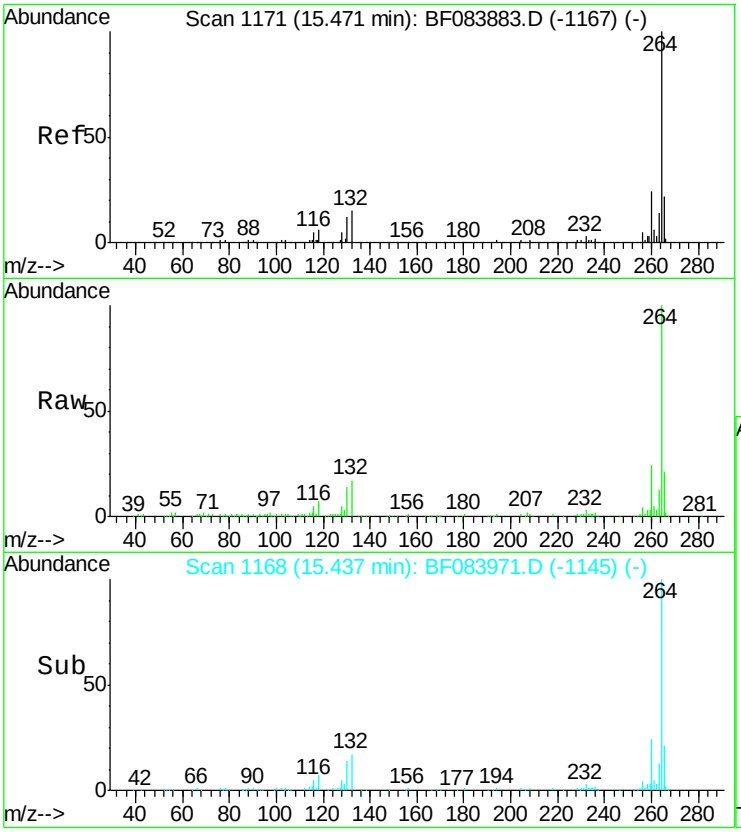


#78
Terphenyl-d14
Concen: 115.69 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.02 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Tgt Ion:244 Resp: 904056

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	10.7	7.4	11.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.03 min
Lab File: BF083971.D
Acq: 19 Dec 2015 22:58

Instrument :
BNA_F
ClientSampleId :
LAR-9879-A

Tgt Ion:264 Resp: 145888

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.3	17.8	26.6