Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084428.D
Acq On : 13 Jan 2016 00:06
Operator : SJ/UM
Sample : G4988-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Time: Jan 13 02:28:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	264833	20.00	ng		-0.06
21) Naphthalene-d8	8.13	136	986165	20.00	ng		-0.06
38) Acenaphthene-d10	9.88	164	473077	20.00	ng		-0.07
63) Phenanthrene-d10	11.37	188	836782	20.00	ng		-0.06
75) Chrysene-d12	14.00	240	534223	20.00	ng		-0.07
86) Perylene-d12	15.43	264	459830	20.00	ng		-0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	895975	54.72	ng		-0.04
7) Phenol-d6	6.48	99	667838	32.48	ng		-0.06
23) Nitrobenzene-d5	7.41	82	1801029	101.64	ng		-0.06
41) 2,4,6-Tribromophenol	10.67	330	510234	106.83	ng		-0.07
44) 2-Fluorobiphenyl	9.21	172	2433136	90.92	ng		-0.06
78) Terphenyl-d14	12.96	244	2043348	85.38	ng		-0.06
Target Compounds							Qvalue
31) Naphthalene	8.17	128	8604542	192.31	ng	#	84
37) 2-Methylnaphthalene	8.84	142	2042696	63.60	ng		98
45) 1,1'-Biphenyl	9.30	154	371070	9.87	ng		96
48) Acenaphthylene	9.74	152	199667	4.58	ng	#	94
51) Acenaphthene	9.92	154	1509802	51.59	ng		98
54) Dibenzofuran	10.09	168	1506876	39.38	ng		93
57) Fluorene	10.43	166	1147485	38.82	ng		99
70) Phenanthrene	11.39	178	1616304	36.93	ng		97
71) Anthracene	11.44	178	106871	2.49	ng		98
72) Carbazole	11.60	167	245340	5.85	ng		98
74) Fluoranthene	12.58	202	149680	3.27	ng		94

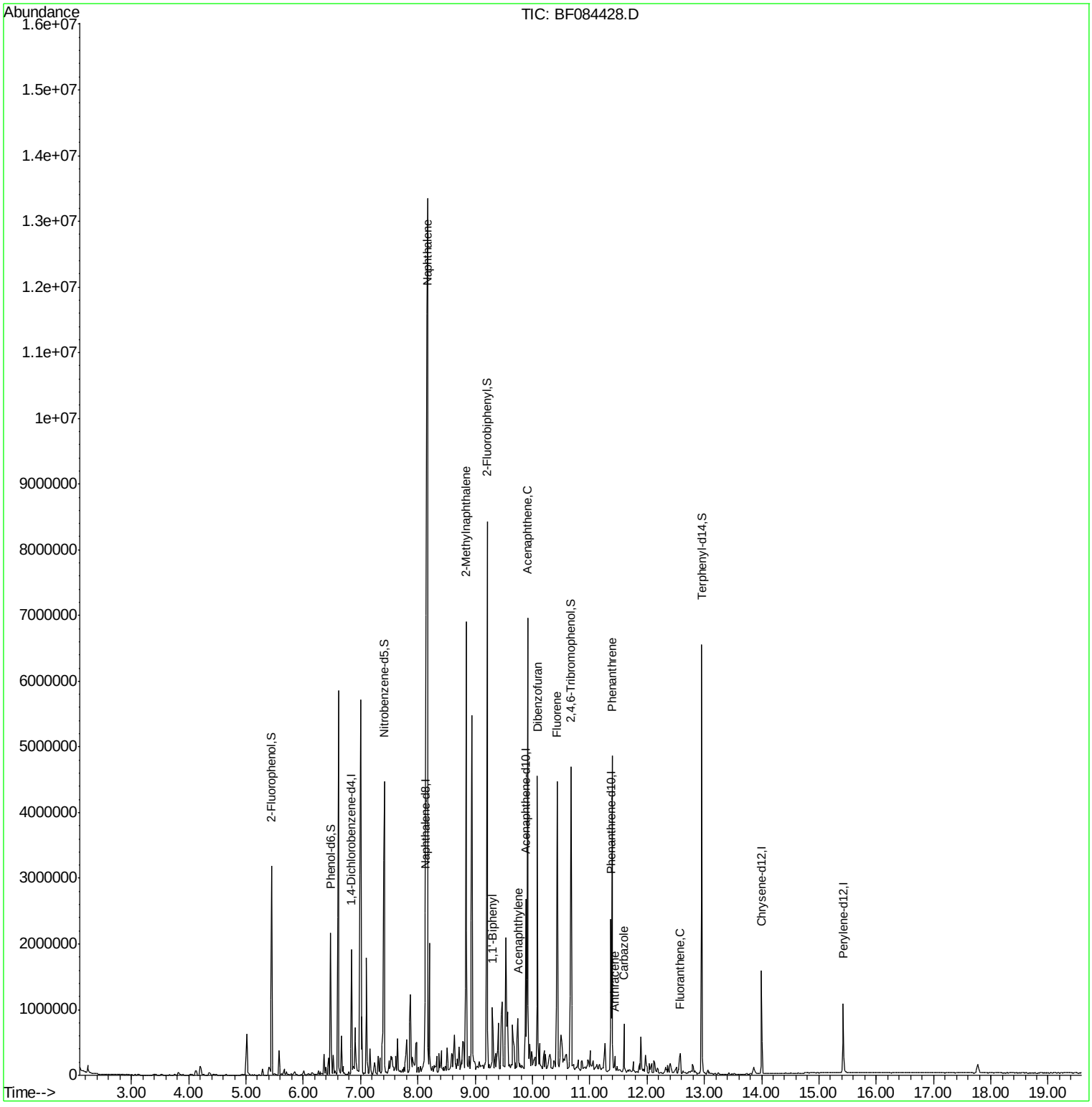
(#) = qualifier out of range (m) = manual integration (+) = signals summed

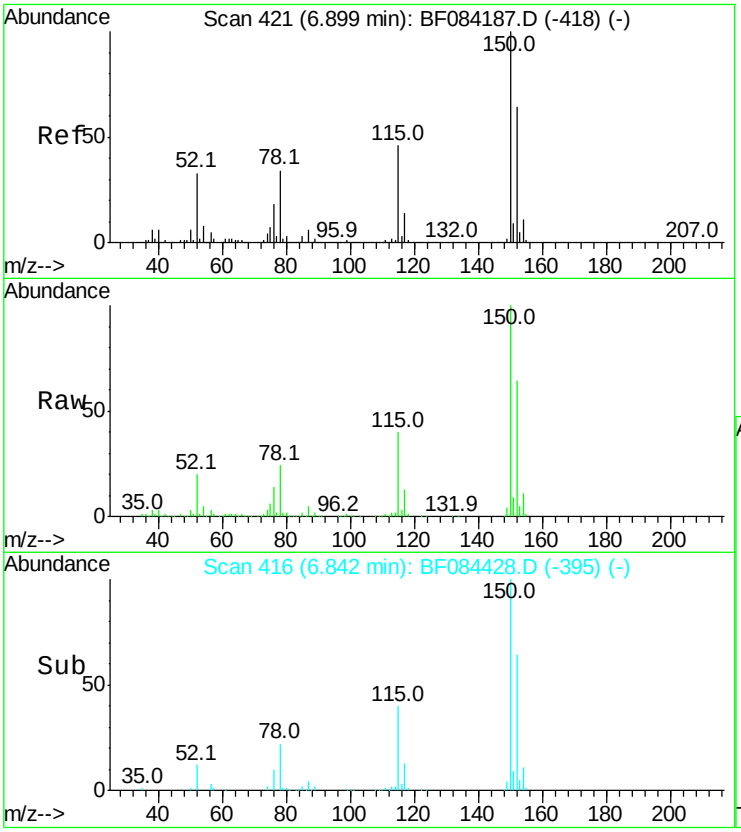
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011216\
Data File : BF084428.D
Acq On : 13 Jan 2016 00:06
Operator : SJ/UM
Sample : G4988-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RX2

Quant Time: Jan 13 02:28:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



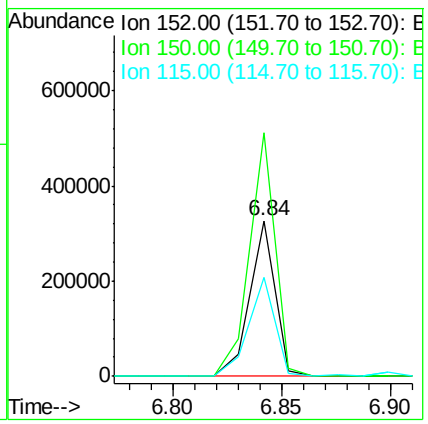


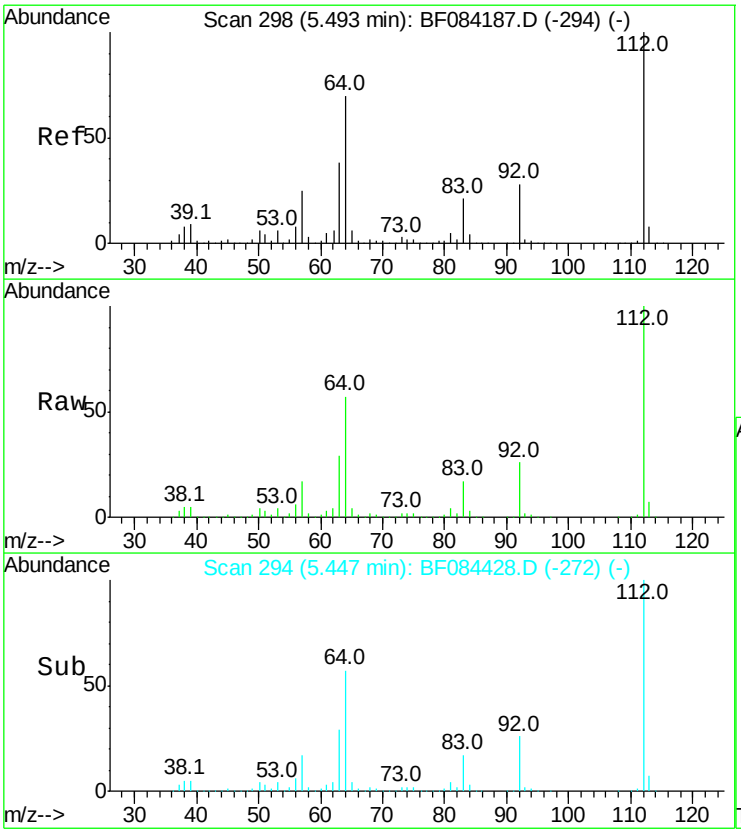
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:152 Resp: 264833

Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.0	184.4
115	63.3	51.4	77.2

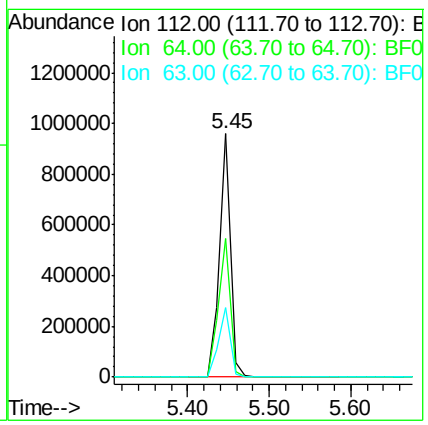


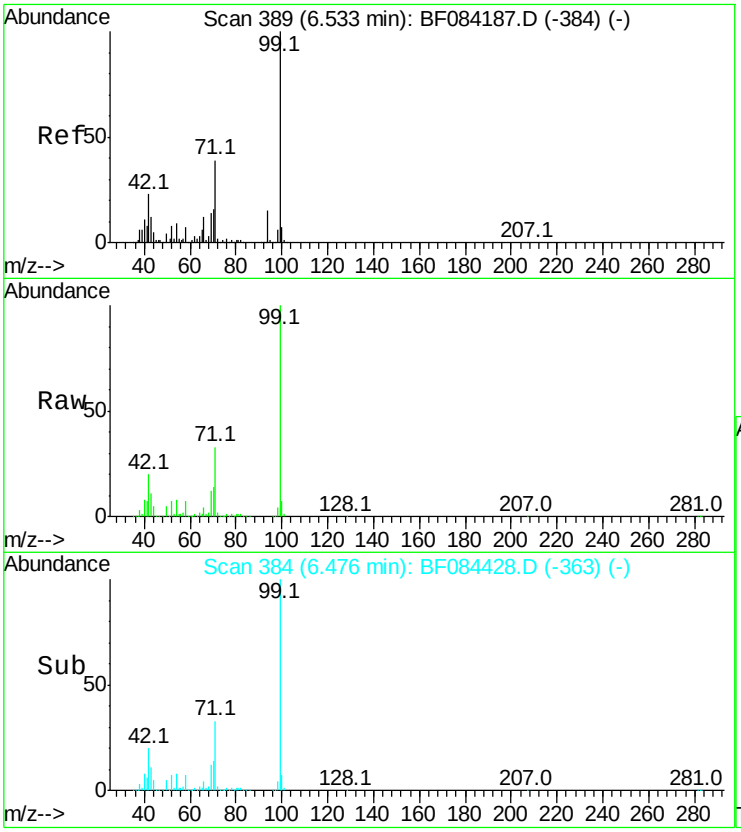


#5
2-Fluorophenol
Concen: 54.72 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.04 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:112 Resp: 895975

Ion	Ratio	Lower	Upper
112	100		
64	57.1	36.6	55.0#
63	28.7	19.4	29.0



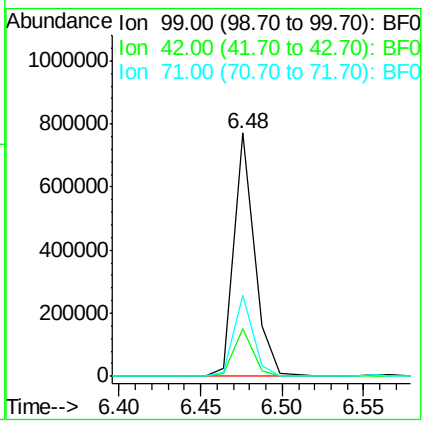


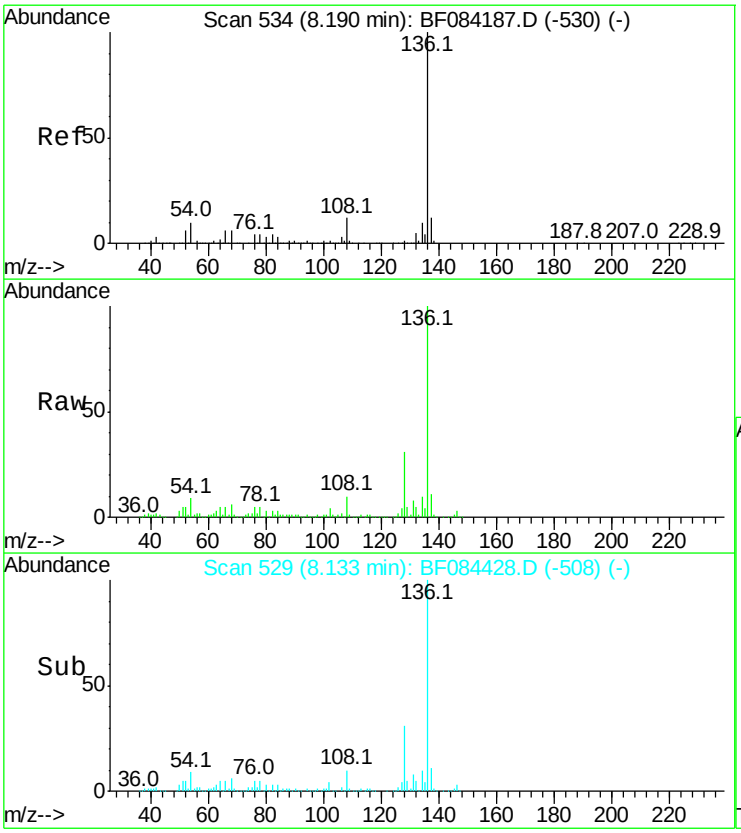
#7
Phenol-d6
Concen: 32.48 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion: 99 Resp: 667838

Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.8	19.2#
71	33.4	30.9	46.3

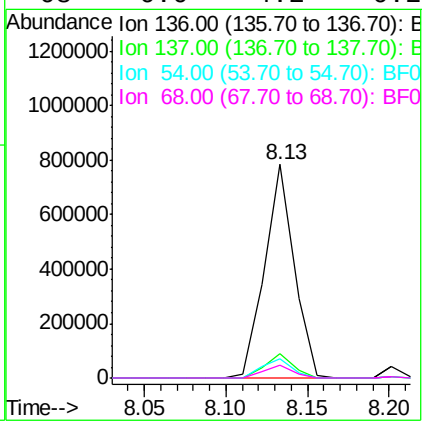


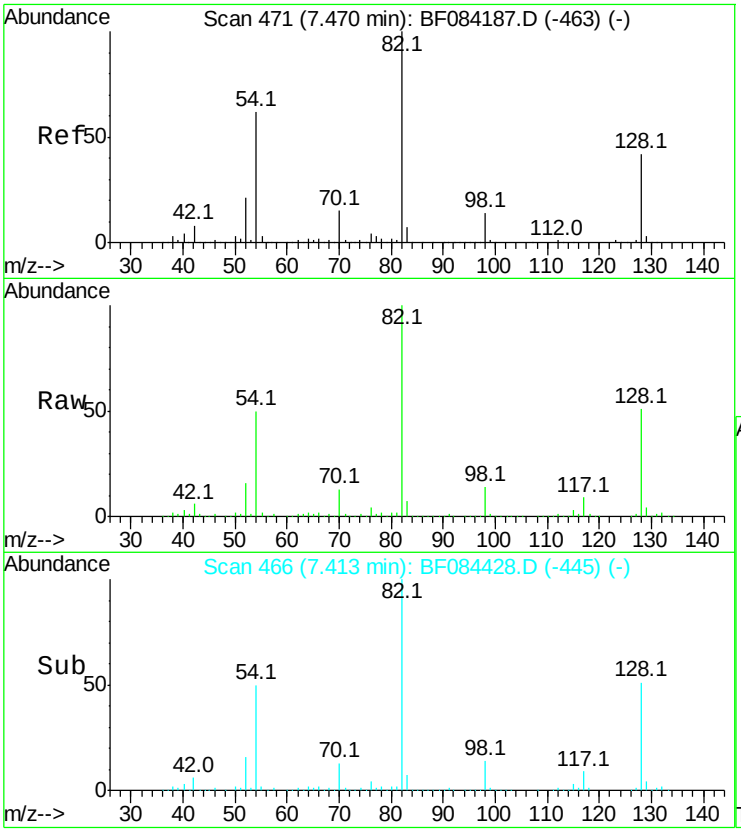


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:136 Resp: 986165

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.3	5.8	8.8#
68	6.0	4.2	6.2



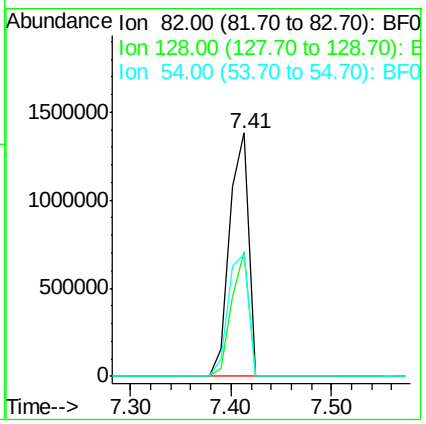


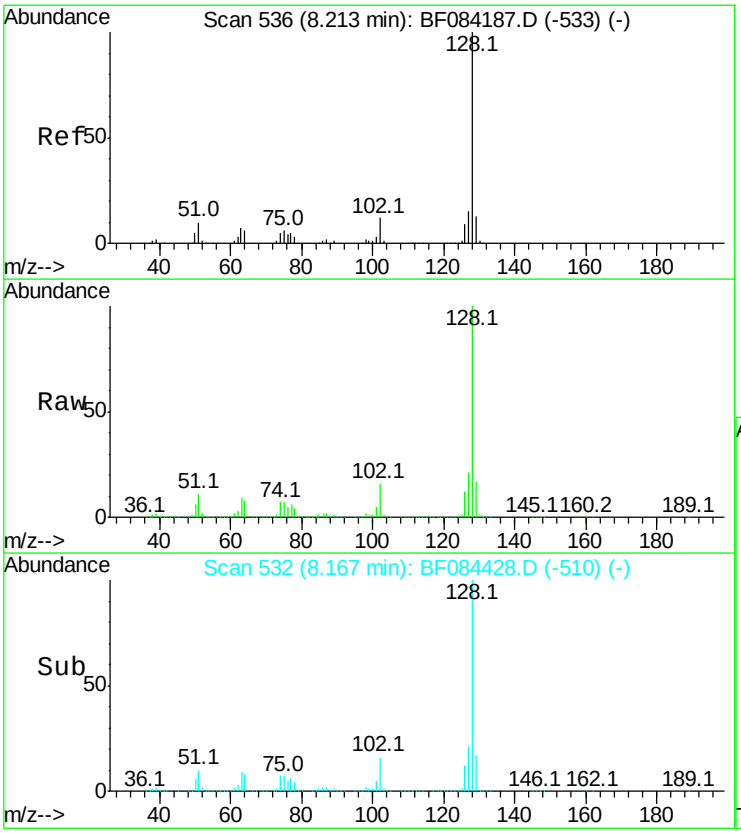
#23
Nitrobenzene-d5
Concen: 101.64 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion: 82 Resp: 1801029

Ion	Ratio	Lower	Upper
82	100		
128	51.1	34.6	51.8
54	50.3	38.4	57.6

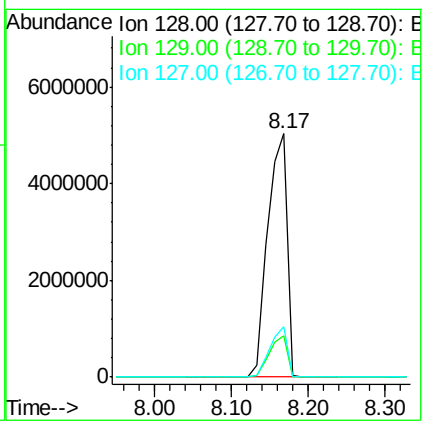


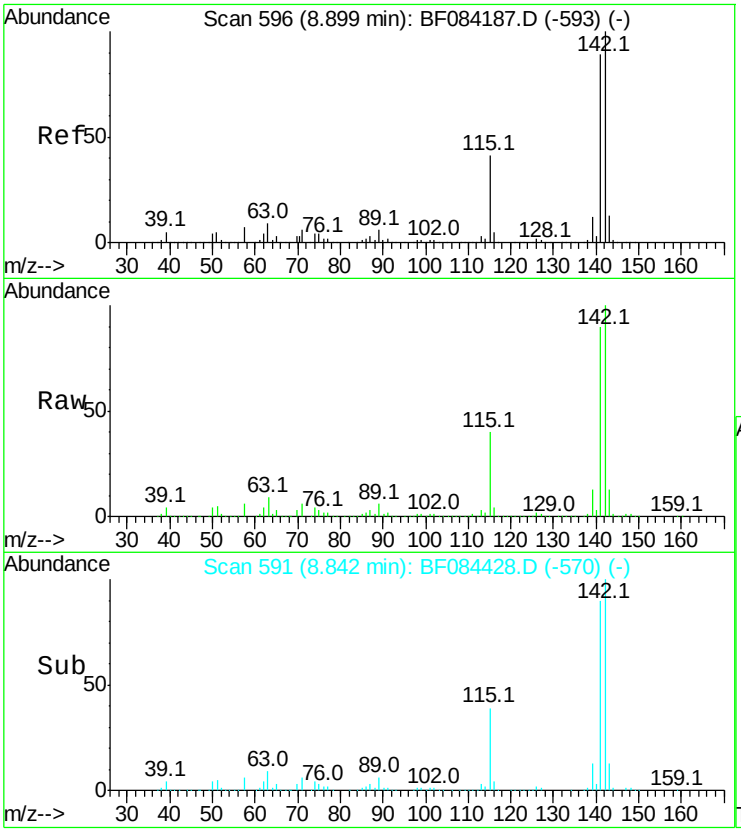


#31
Naphthalene
Concen: 192.31 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:128 Resp: 8604542

Ion	Ratio	Lower	Upper
128	100		
129	17.0	9.1	13.7#
127	20.9	11.1	16.7#



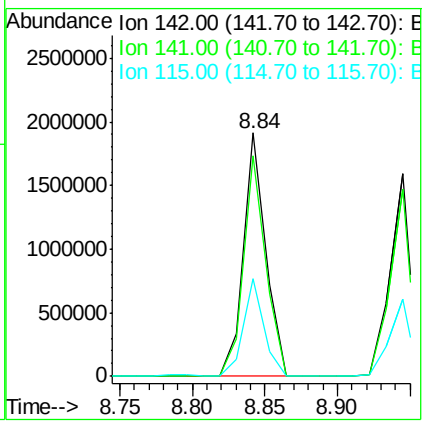


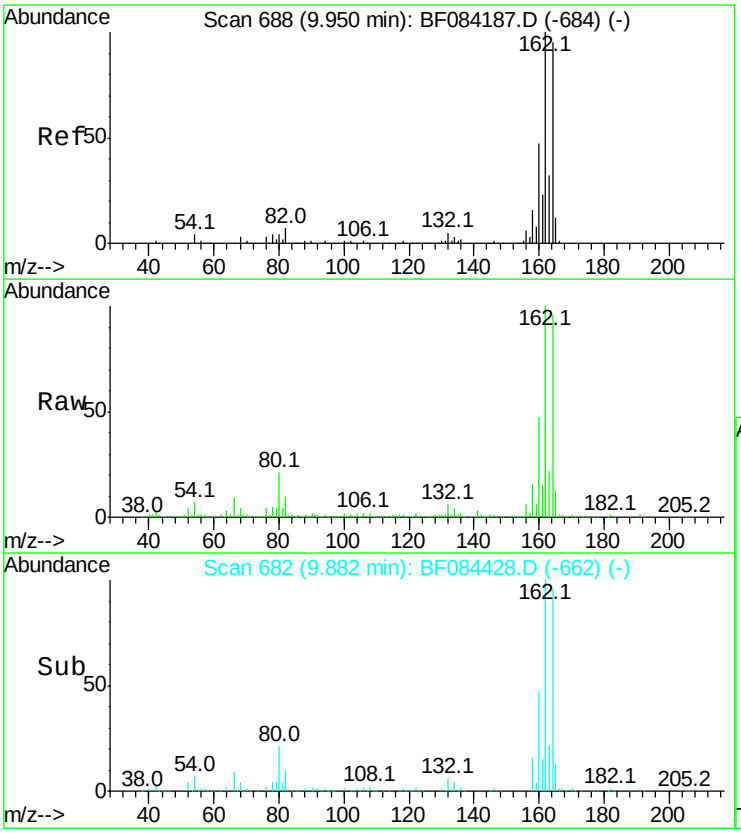
#37
2-Methylnaphthalene
Concen: 63.60 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:142 Resp: 2042696

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.4	108.6
115	40.0	27.9	41.9

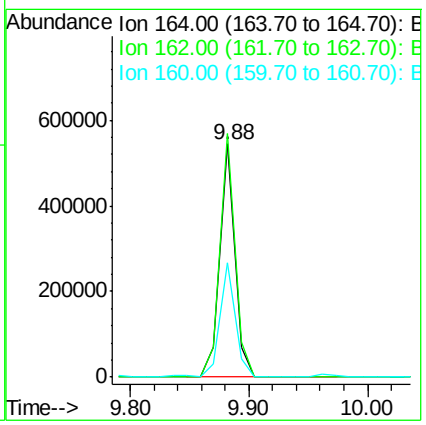


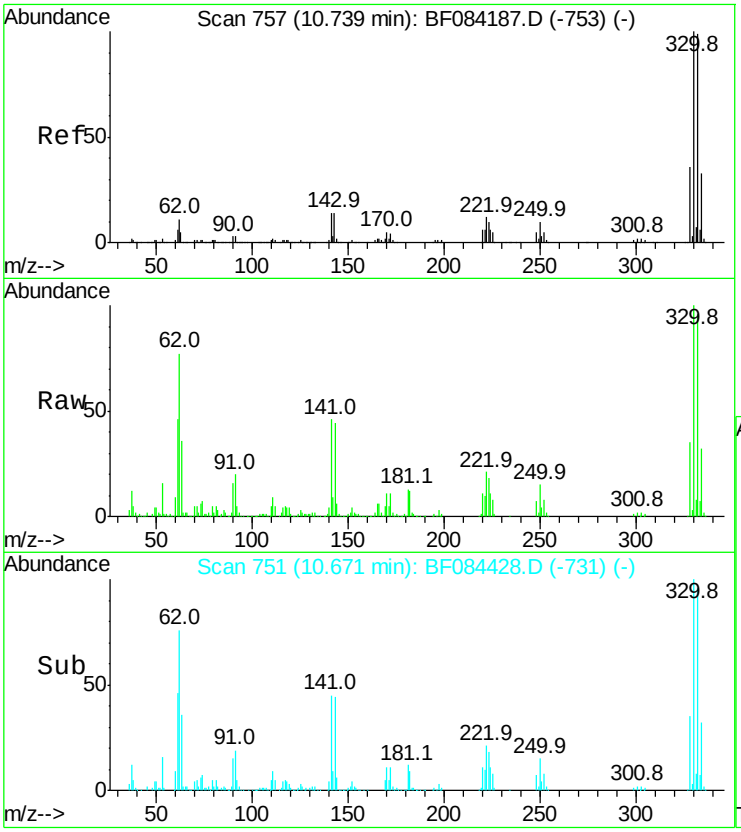


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:164 Resp: 473077

Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.1	127.7
160	48.9	37.5	56.3



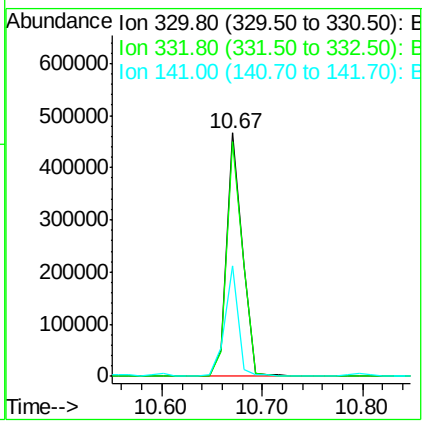


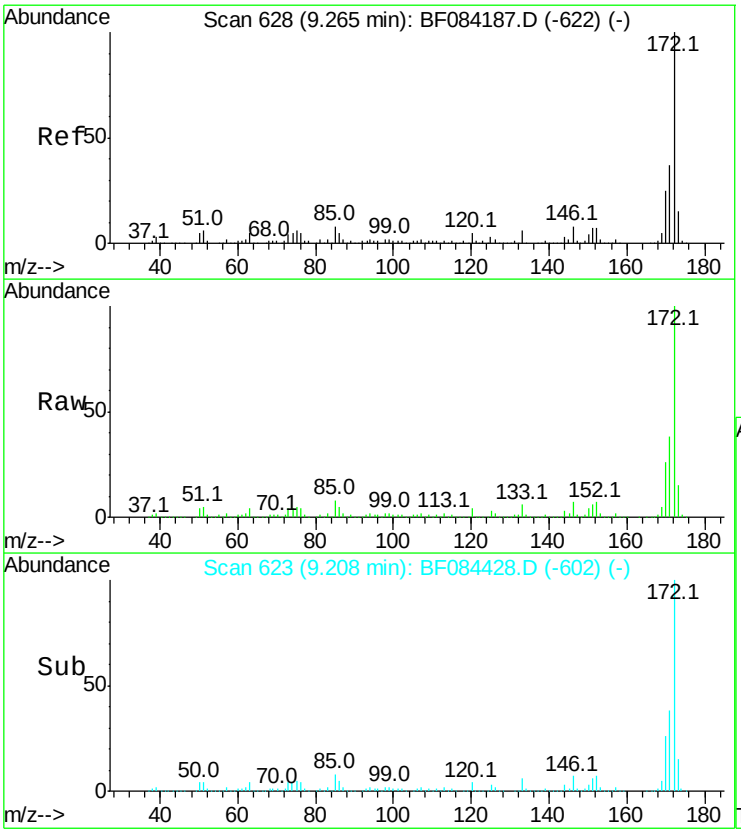
#41
2,4,6-Tribromophenol
Concen: 106.83 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:330 Resp: 510234

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	38.5	27.8	41.6

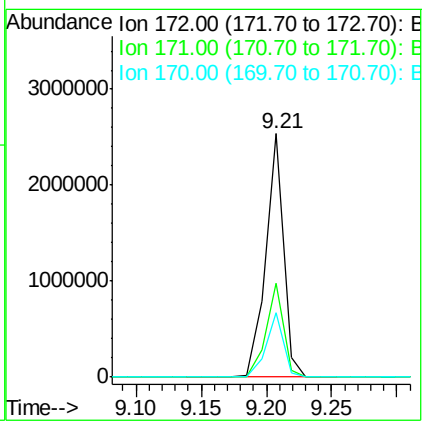


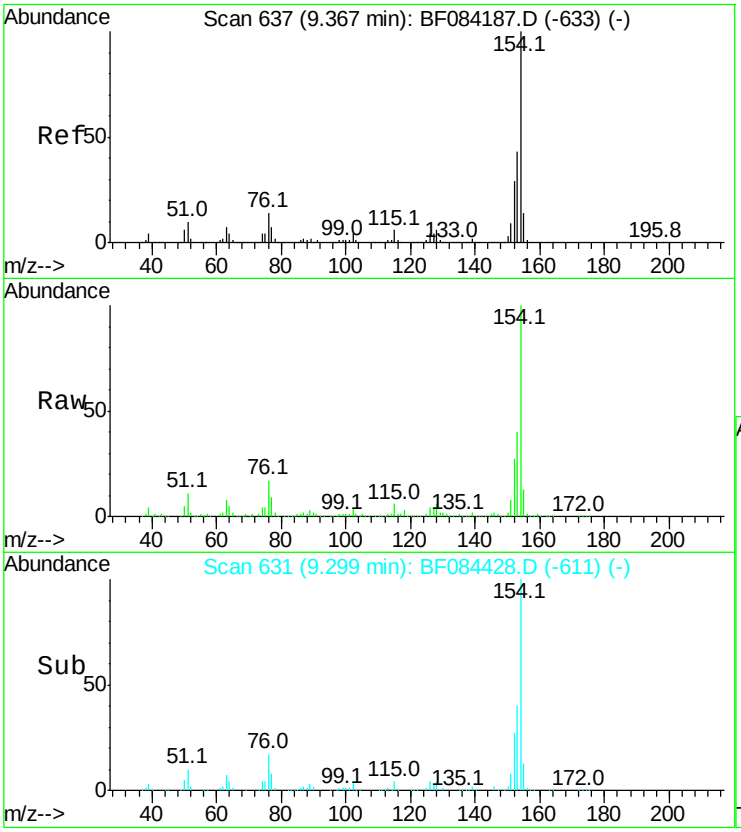


#44
2-Fluorobiphenyl
Concen: 90.92 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:172 Resp: 2433136

Ion	Ratio	Lower	Upper
172	100		
171	38.4	28.9	43.3
170	26.3	18.6	27.8



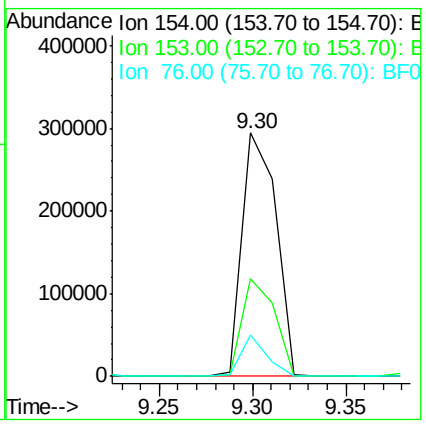


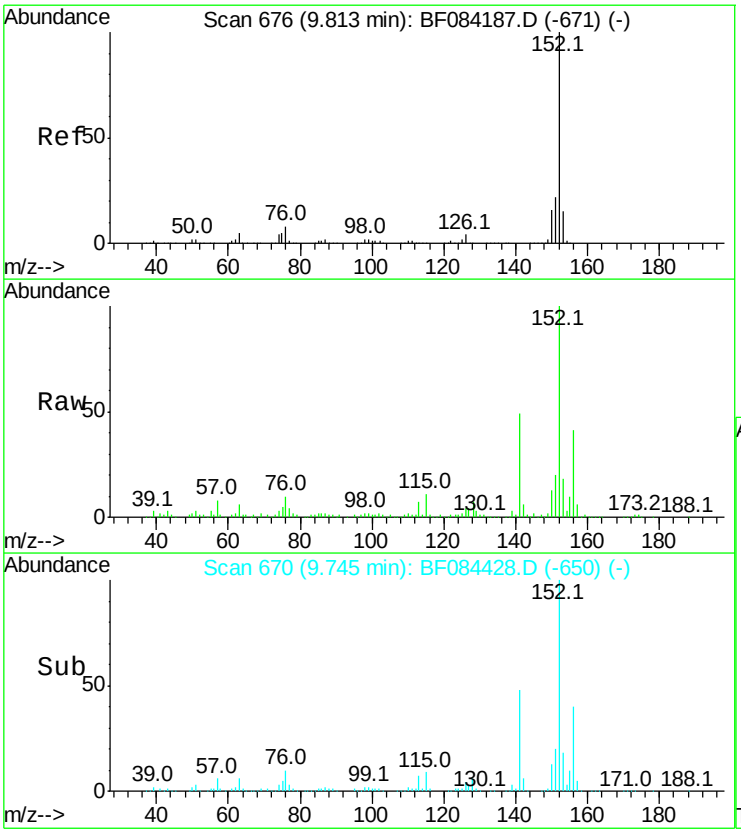
#45
1,1'-Biphenyl
Concen: 9.87 ng
RT: 9.30 min Scan# 631
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:154 Resp: 371070

Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.6	61.6
76	16.8	0.0	32.7

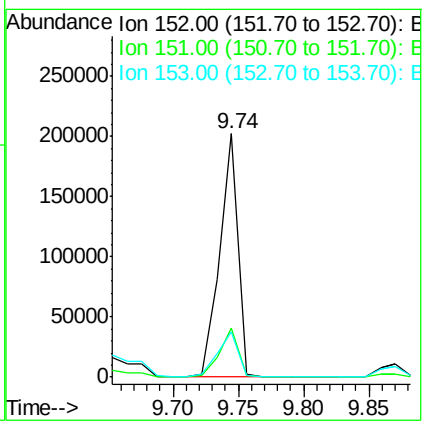


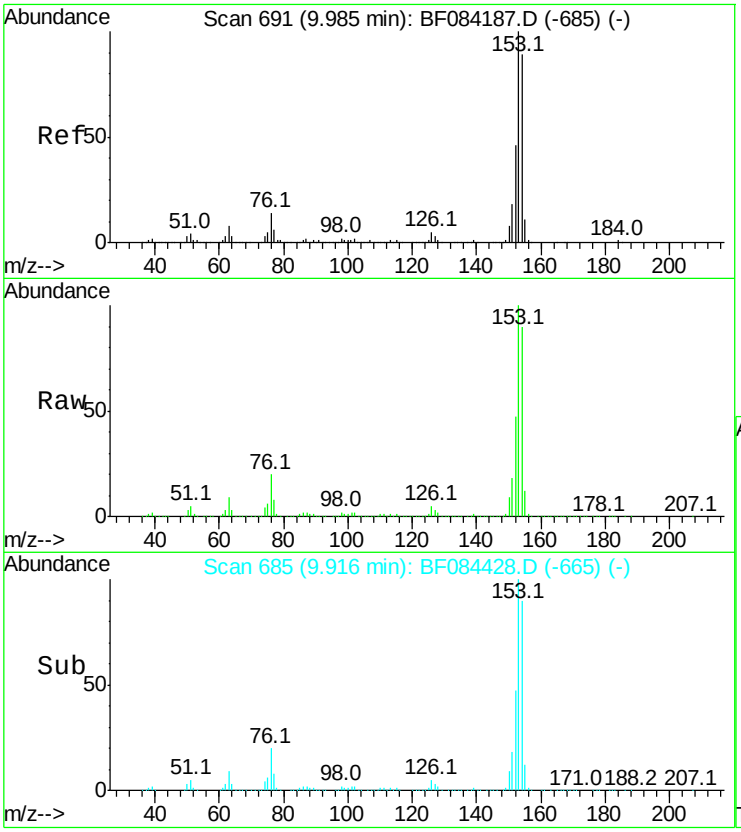


#48
Acenaphthylene
Concen: 4.58 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:152 Resp: 199667

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	18.4	10.4	15.6#



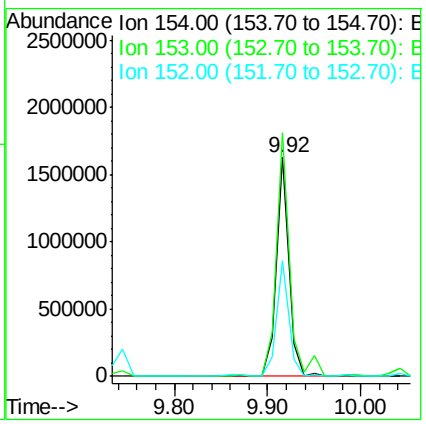


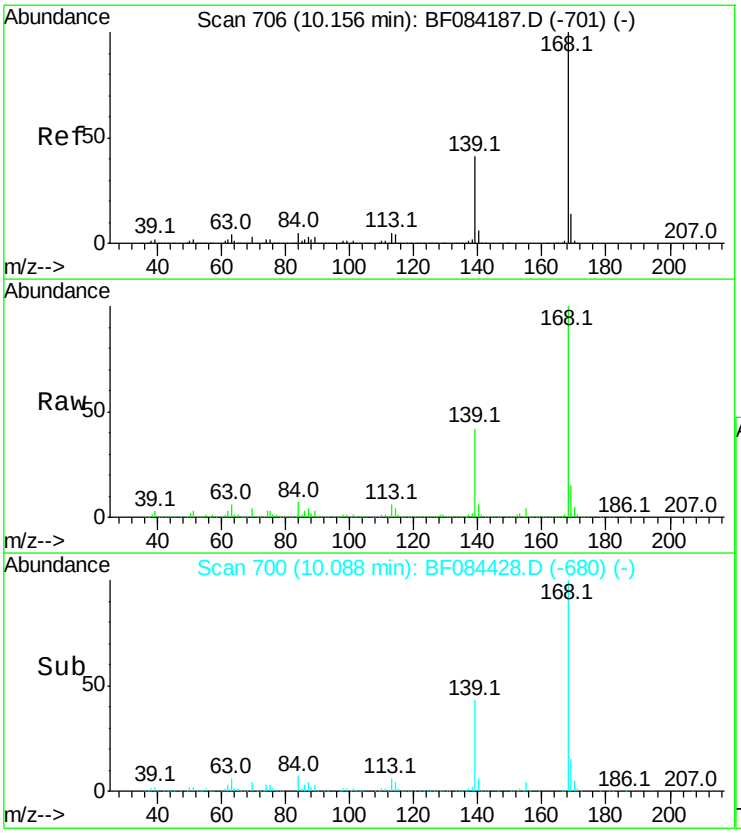
#51
Acenaphthene
Concen: 51.59 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:154 Resp: 1509802

Ion	Ratio	Lower	Upper
154	100		
153	111.2	91.5	137.3
152	52.7	43.0	64.6

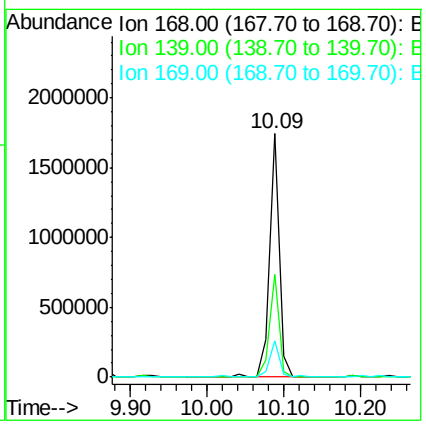


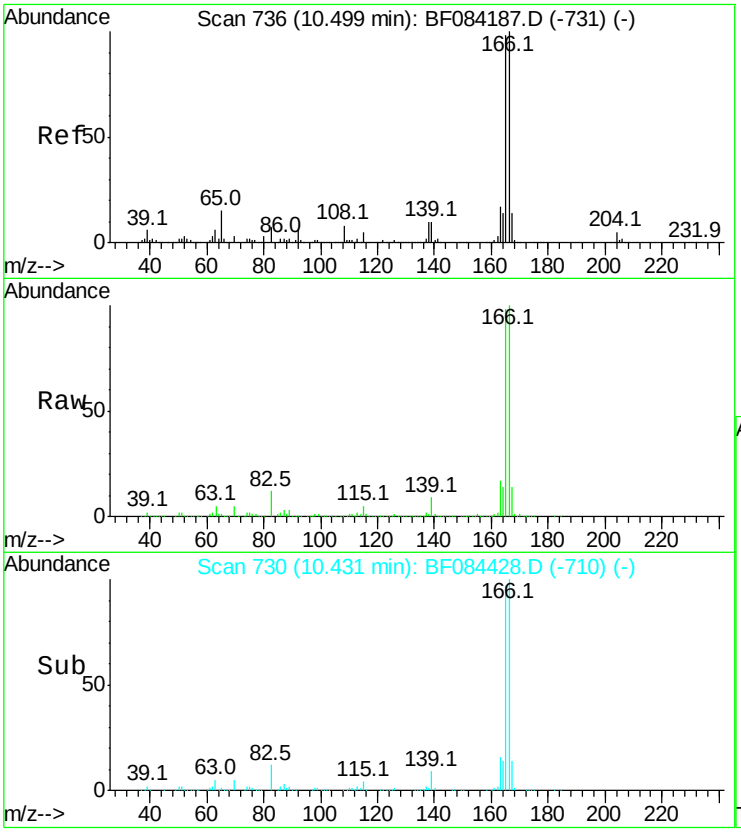


#54
Dibenzofuran
Concen: 39.38 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:168 Resp: 1506876

Ion	Ratio	Lower	Upper
168	100		
139	42.3	30.5	45.7
169	15.0	10.4	15.6



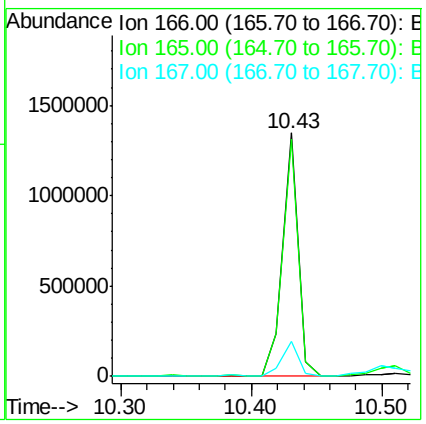


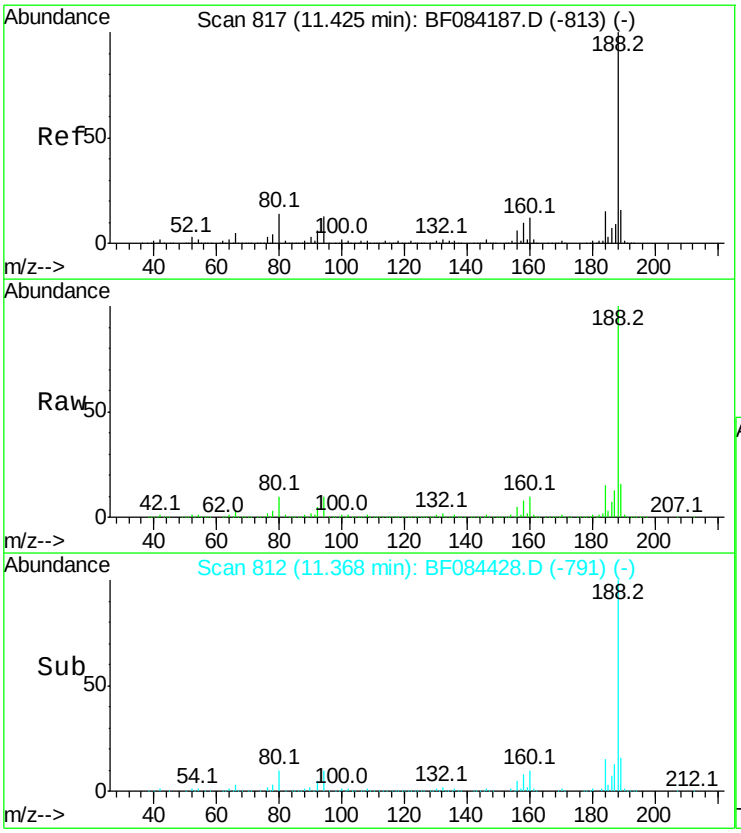
#57
Fluorene
Concen: 38.82 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:166 Resp: 1147485

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.1	118.7
167	14.1	10.4	15.6

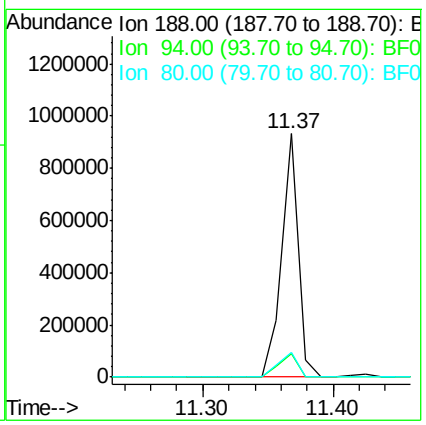


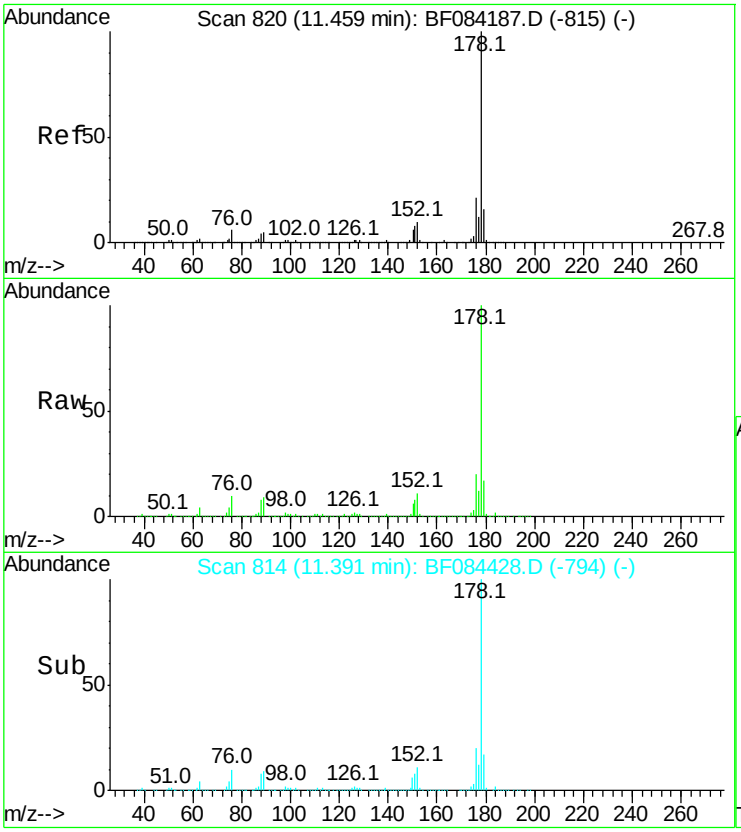


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:188 Resp: 836782

Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.4
80	10.0	9.6	14.4



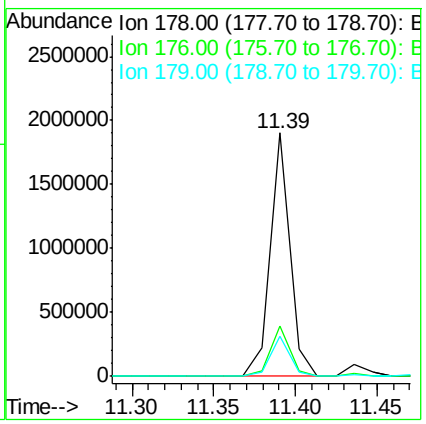


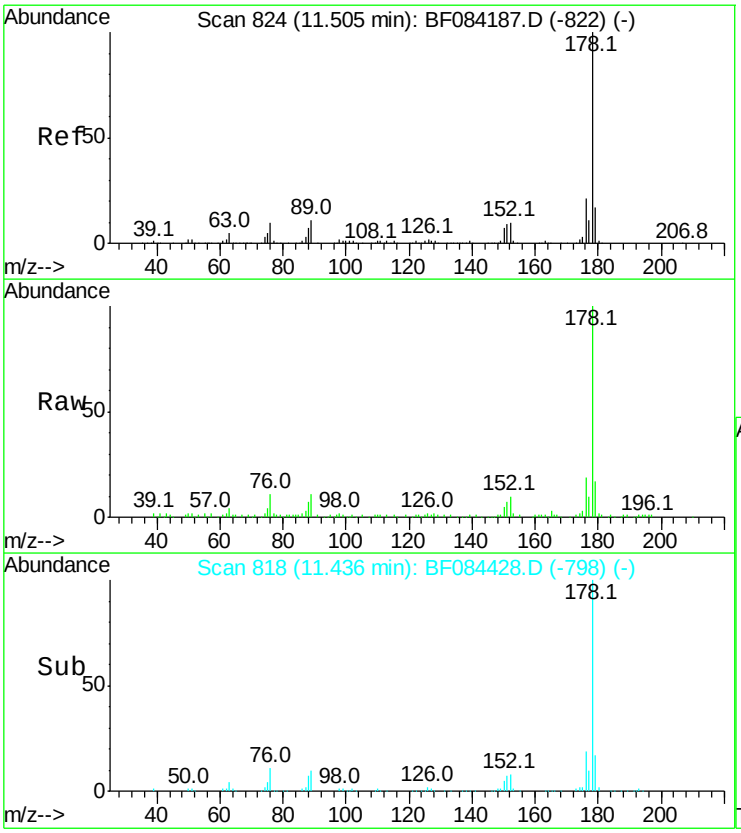
#70
Phenanthrene
Concen: 36.93 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:178 Resp: 1616304

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.3	22.9
179	16.5	12.0	18.0

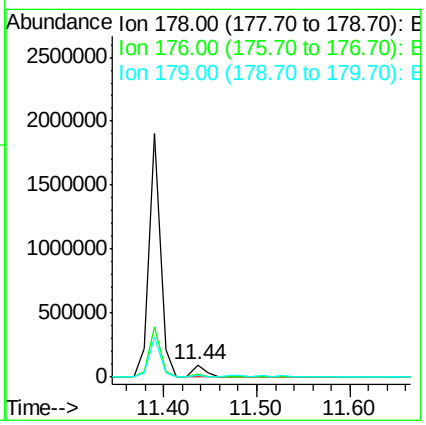


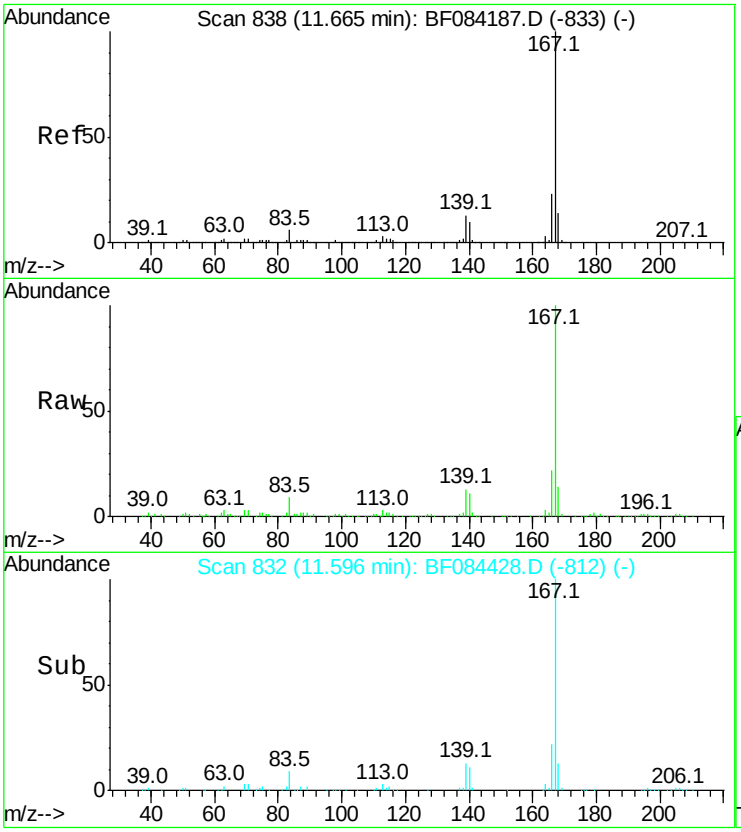


#71
Anthracene
Concen: 2.49 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:178 Resp: 106871

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	17.0	12.5	18.7



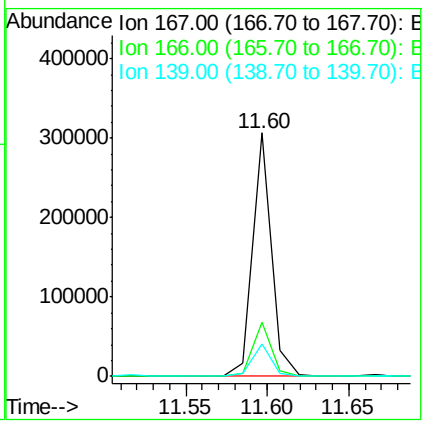


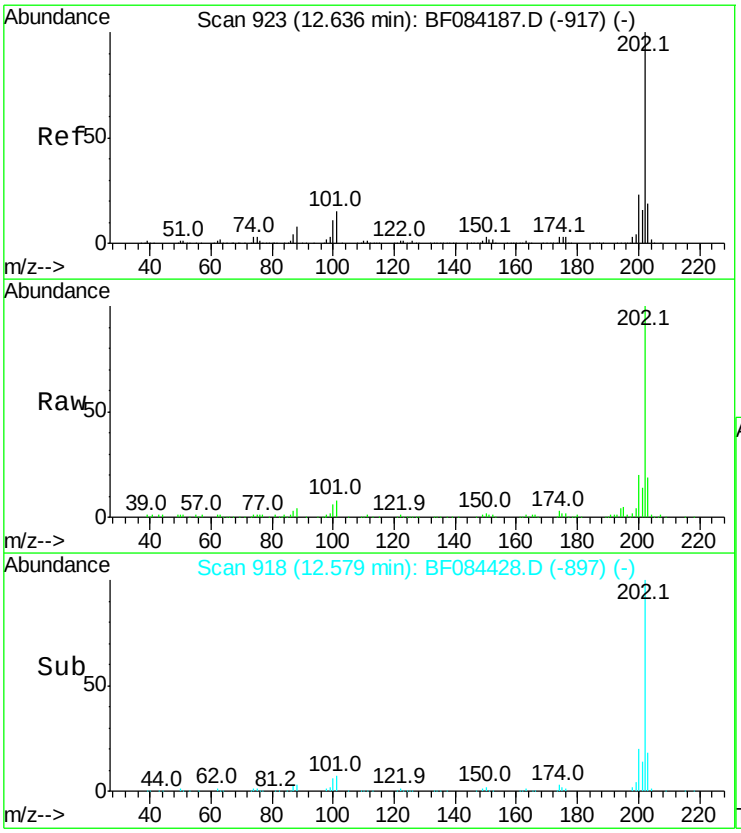
#72
Carbazole
Concen: 5.85 ng
RT: 11.60 min Scan# 832
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:167 Resp: 245340

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	13.1	11.8	17.8

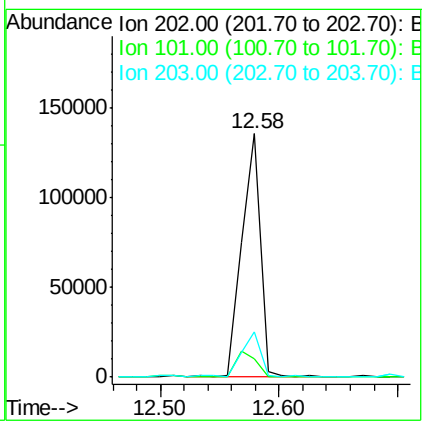


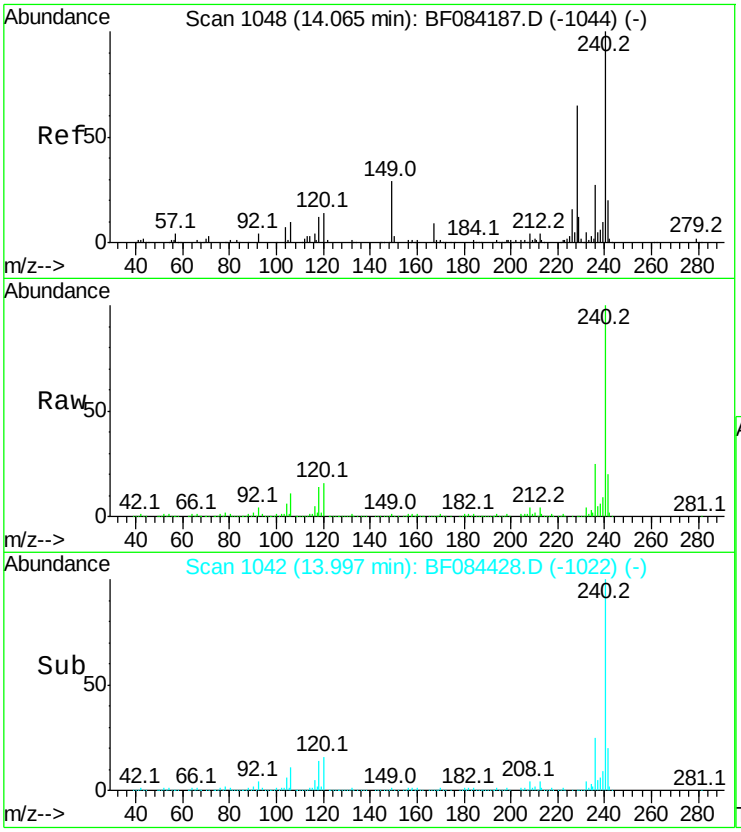


#74
Fluoranthene
Concen: 3.27 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:202 Resp: 149680

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	32.8
203	18.7	0.0	37.9



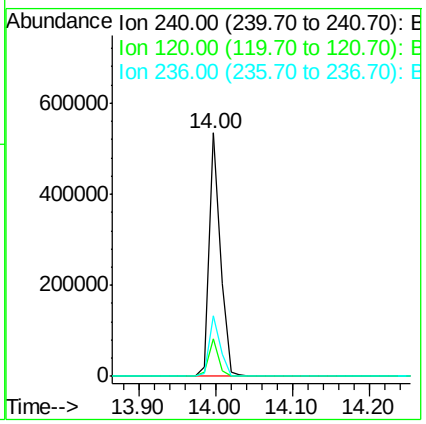


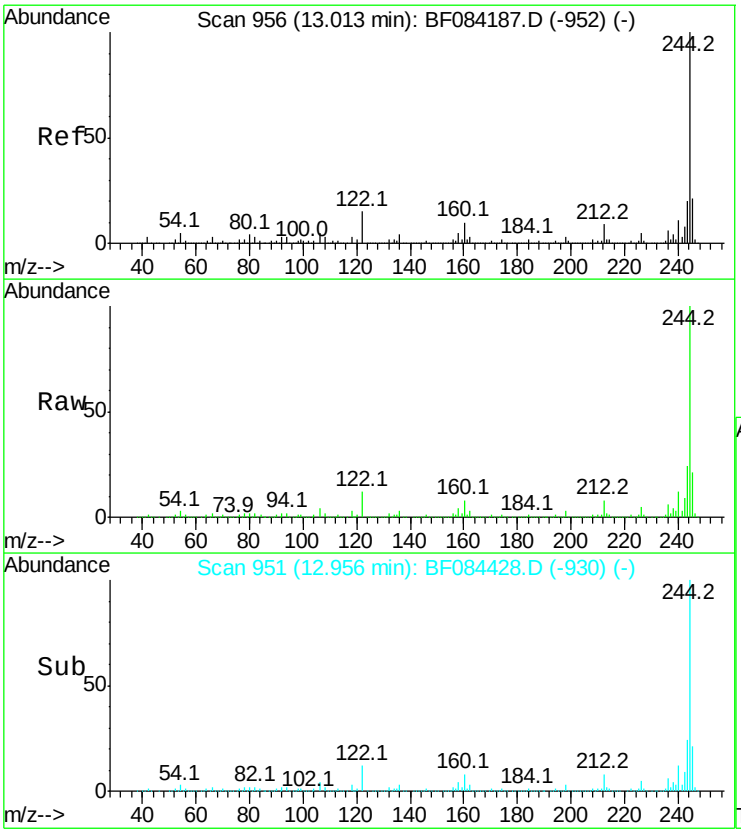
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.07 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:240 Resp: 534223

Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	24.9	20.6	31.0

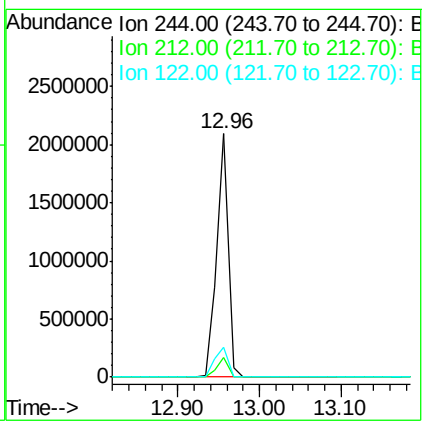


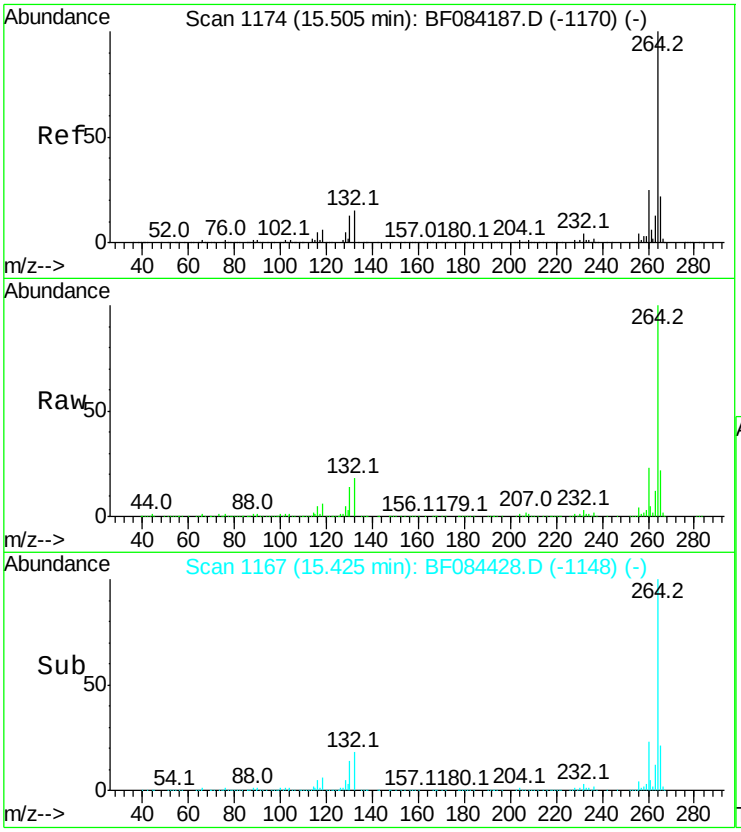


#78
Terphenyl-d14
Concen: 85.38 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.06 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Tgt Ion:244 Resp: 2043348

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.7	8.5
122	12.3	7.4	11.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.08 min
Lab File: BF084428.D
Acq: 13 Jan 2016 00:06

Instrument :
BNA_F
ClientSampleId :
RX2

Tgt Ion:264 Resp: 459830

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.6	17.8	26.6