Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081213.D
Acq On : 25 Aug 2015 22:41
Operator : UM/IZ
Sample : G3407-10 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P004-BF003-01

Quant Time: Aug 26 01:31:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 24 13:58:19 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	69770	20.00	ng		-0.01
21) Naphthalene-d8	7.82	136	267004	20.00	ng		-0.01
38) Acenaphthene-d10	9.56	164	109576	20.00	ng		-0.02
63) Phenanthrene-d10	11.03	188	198408	20.00	ng		-0.01
75) Chrysene-d12	13.65	240	139488	20.00	ng		-0.01
86) Perylene-d12	14.99	264	113044	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.10	112	141311	30.46	ng		0.00
7) Phenol-d6	6.18	99	188066	31.07	ng		-0.01
23) Nitrobenzene-d5	7.10	82	114091	19.52	ng		-0.02
41) 2,4,6-Tribromophenol	10.34	330	26506	27.91	ng		-0.01
44) 2-Fluorobiphenyl	8.89	172	190280	22.75	ng		-0.01
78) Terphenyl-d14	12.61	244	119035	18.29	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	9.29	163	40731	4.51	ng		100
70) Phenanthrene	11.05	178	46106	3.92	ng		100
74) Fluoranthene	12.23	202	59282	4.67	ng		97
77) Pyrene	12.45	202	49089m	4.33	ng		
80) Benzo(a)anthracene	13.64	228	22390	2.39	ng		93
82) Chrysene	13.67	228	24271m	2.88	ng		
87) Benzo(b)fluoranthene	14.63	252	28105m	3.51	ng		
89) Benzo(a)pyrene	14.93	252	19754	2.84	ng	#	87
91) Benzo(g,h,i)perylene	16.51	276	11602	2.11	ng	#	87

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

Quantitation Report (LSC Reviewed)

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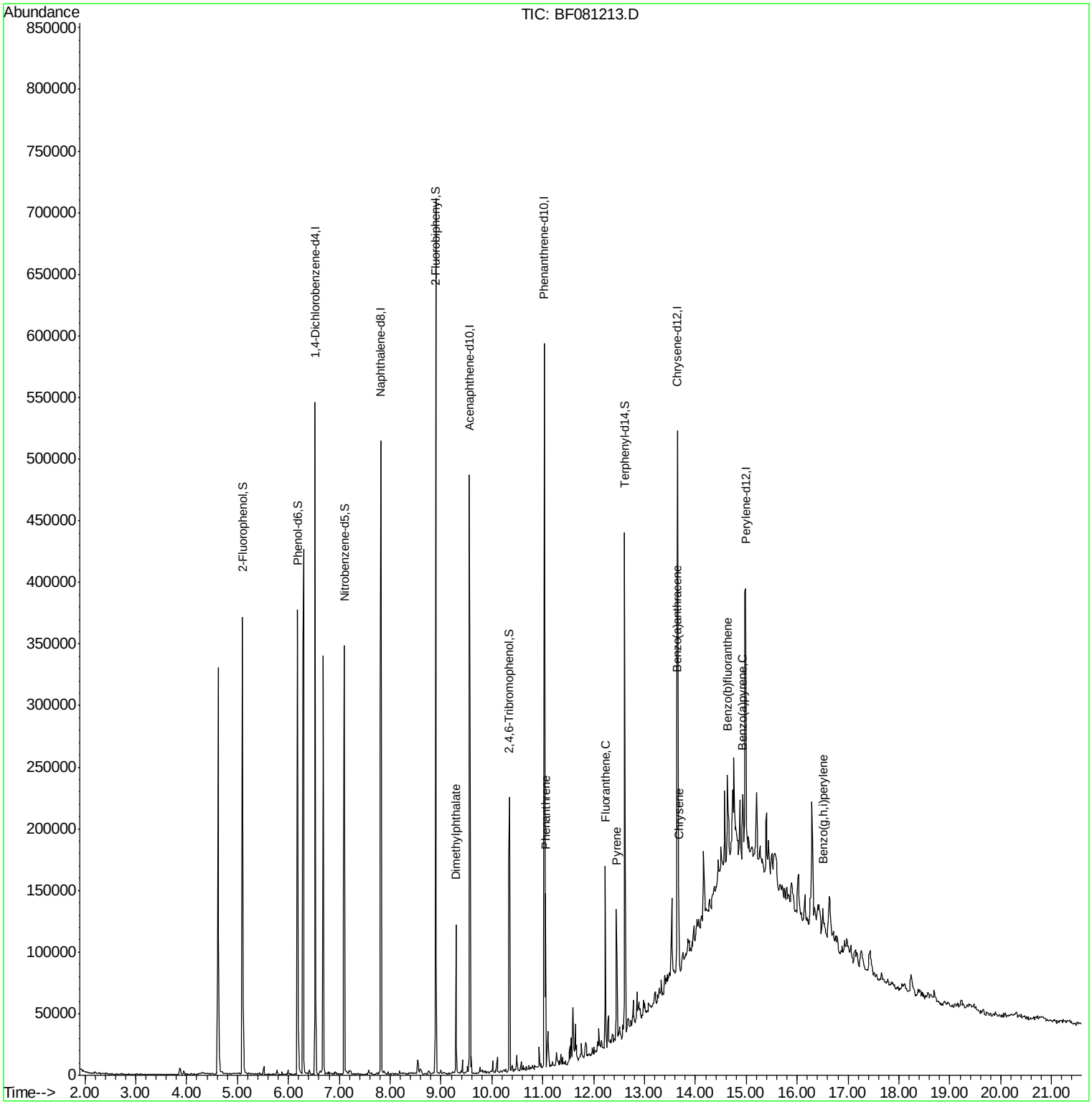
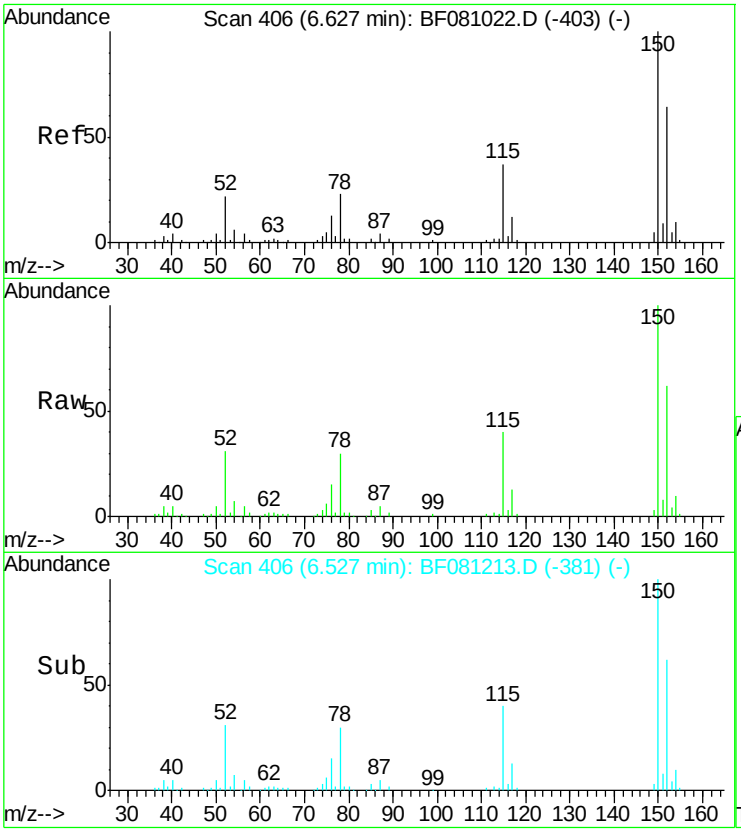


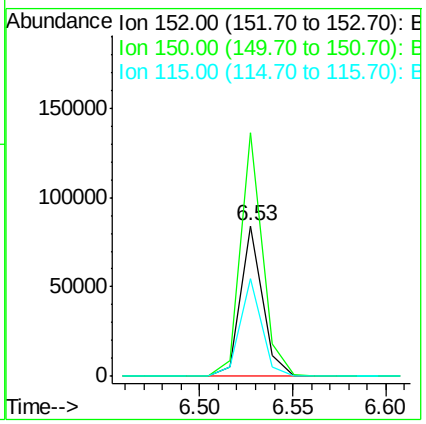


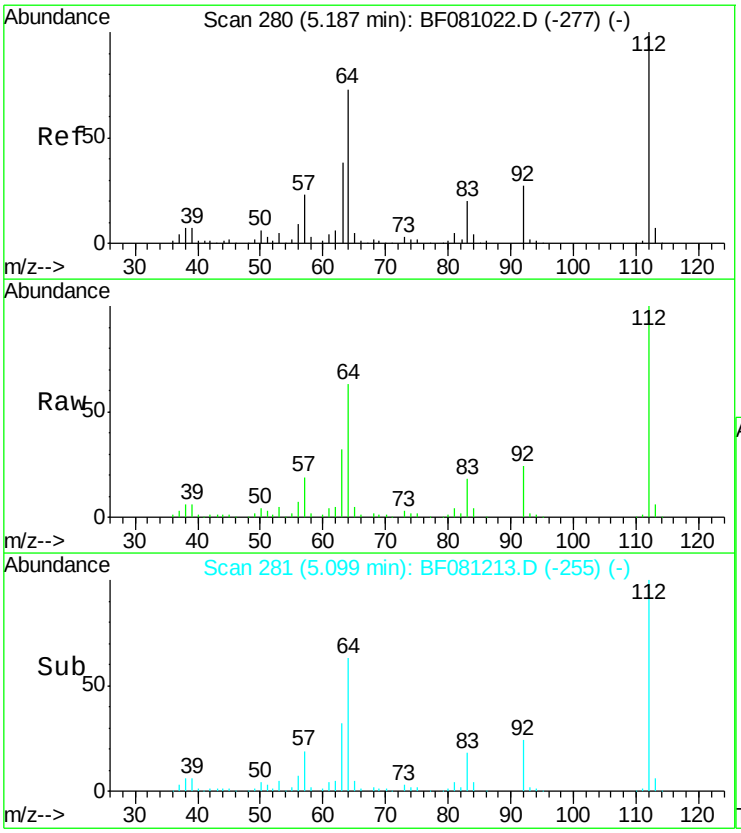
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:152 Resp: 69770

Ion	Ratio	Lower	Upper
152	100		
150	161.7	123.8	185.6
115	64.9	52.1	78.1

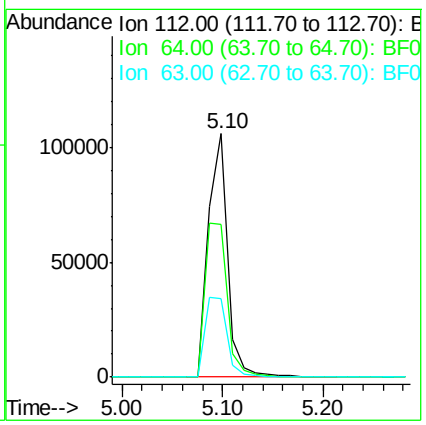


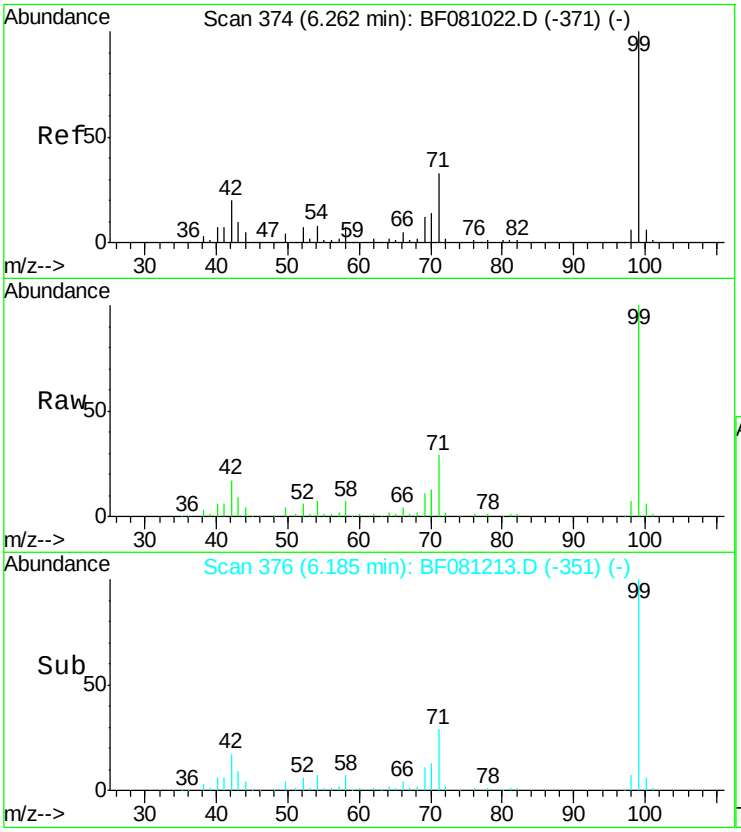


#5
2-Fluorophenol
Concen: 30.46 ng
RT: 5.10 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:112 Resp: 141311

Ion	Ratio	Lower	Upper
112	100		
64	62.5	66.9	100.3#
63	32.2	38.1	57.1#



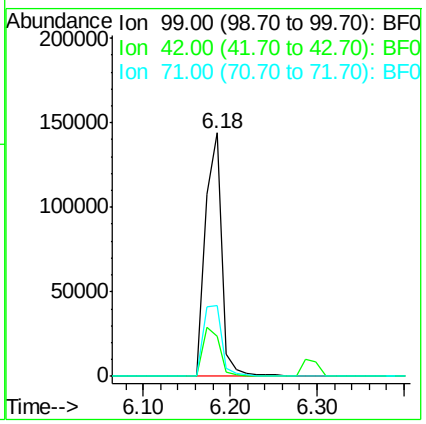


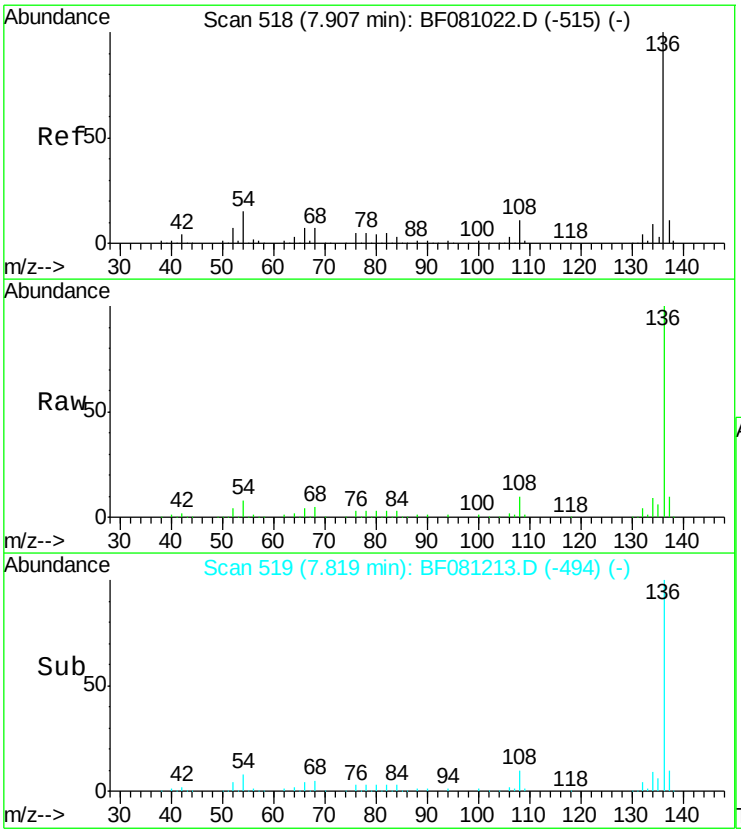
#7
Phenol-d6
Concen: 31.07 ng
RT: 6.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion: 99 Resp: 188066

Ion	Ratio	Lower	Upper
99	100		
42	16.5	19.6	29.4#
71	29.0	31.2	46.8#

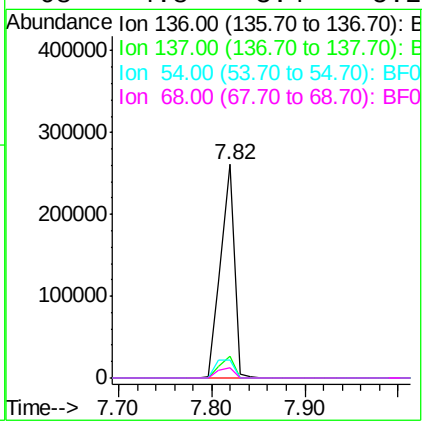


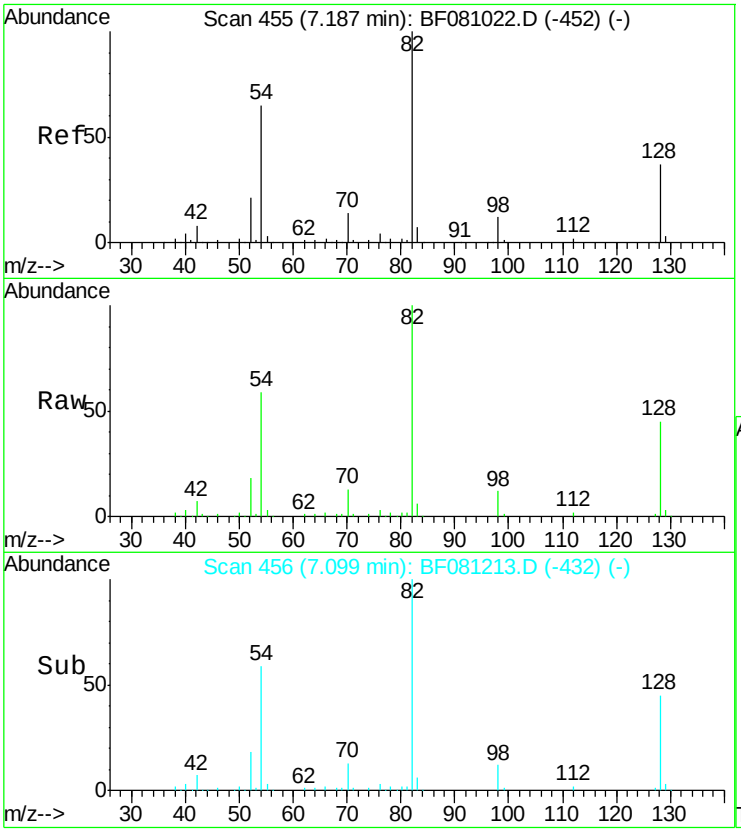


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.82 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:136 Resp: 267004

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.2
54	8.2	7.7	11.5
68	4.8	3.4	5.2



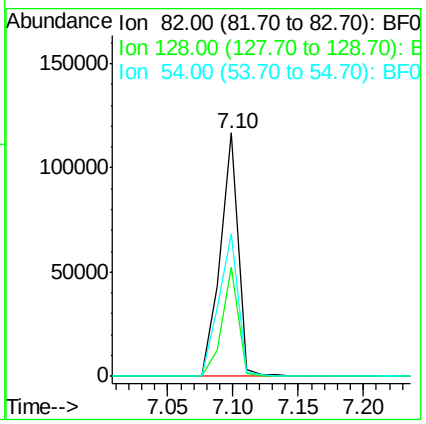


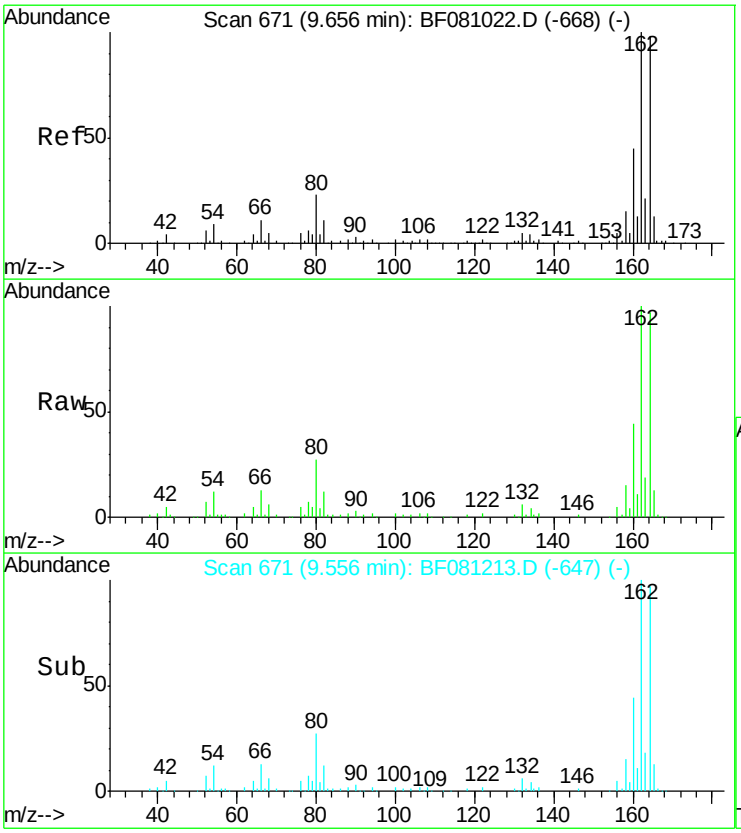
#23
Nitrobenzene-d5
Concen: 19.52 ng
RT: 7.10 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion: 82 Resp: 114091

Ion	Ratio	Lower	Upper
82	100		
128	45.1	28.6	42.8#
54	58.6	55.1	82.7

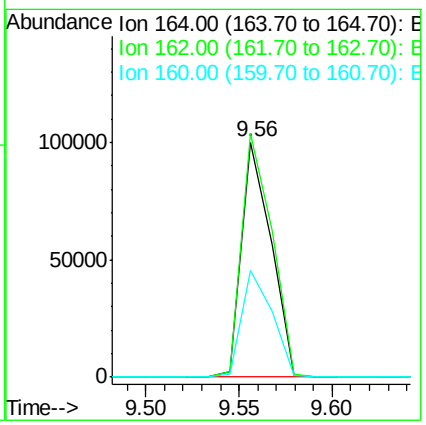


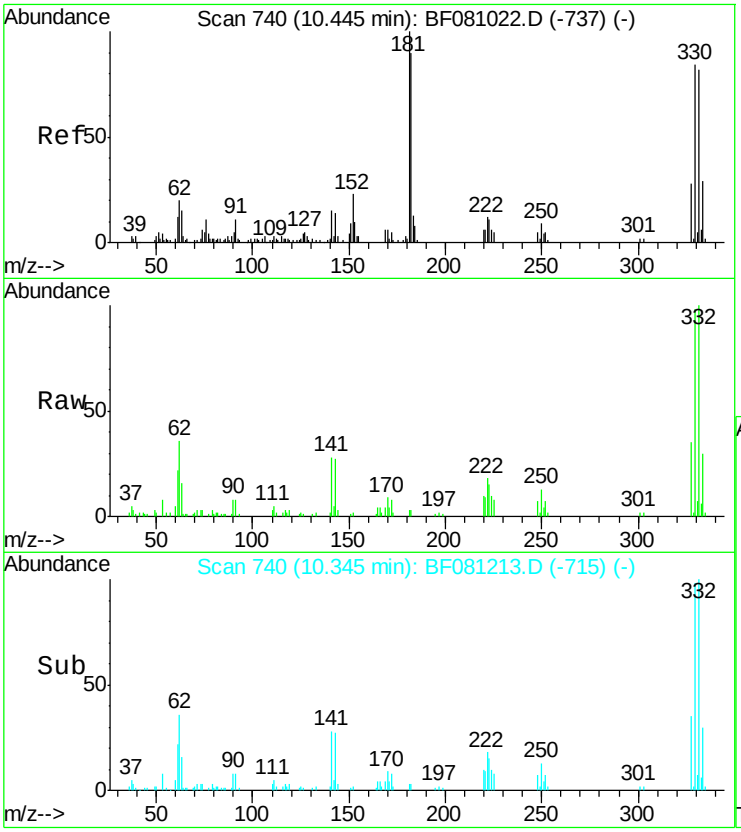


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:164 Resp: 109576

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.8	125.8
160	45.5	39.8	59.8



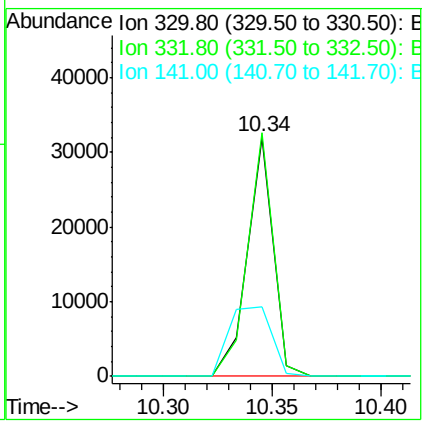


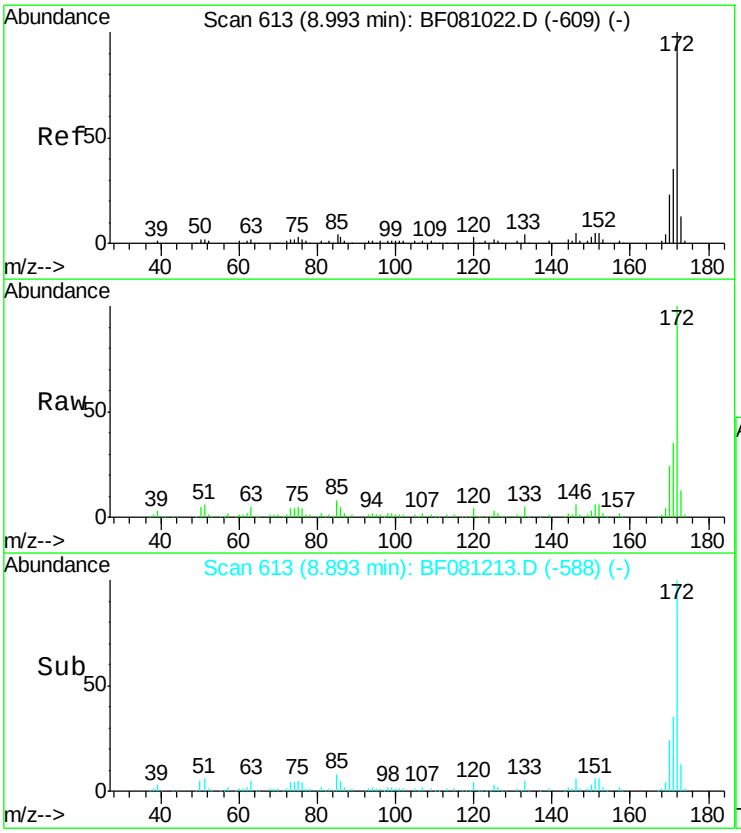
#41
2,4,6-Tribromophenol
Concen: 27.91 ng
RT: 10.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:330 Resp: 26506

Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.3	115.9
141	48.4	44.9	67.3

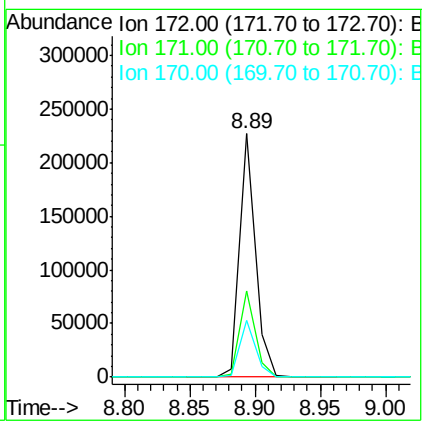


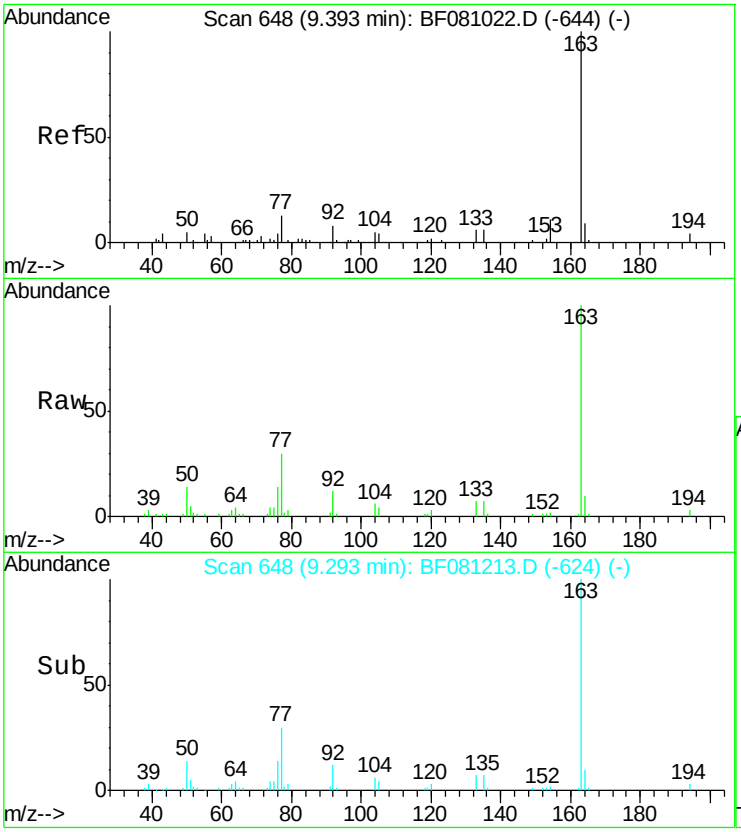


#44
2-Fluorobiphenyl
Concen: 22.75 ng
RT: 8.89 min Scan# 613
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:172 Resp: 190280

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	23.5	19.4	29.2



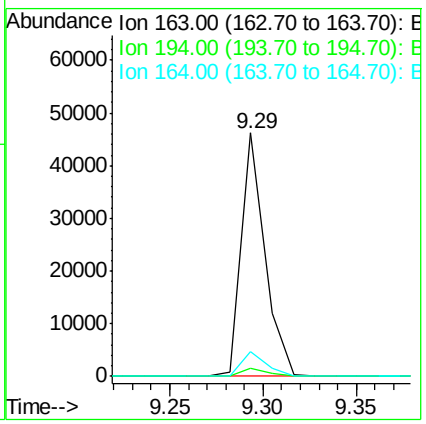


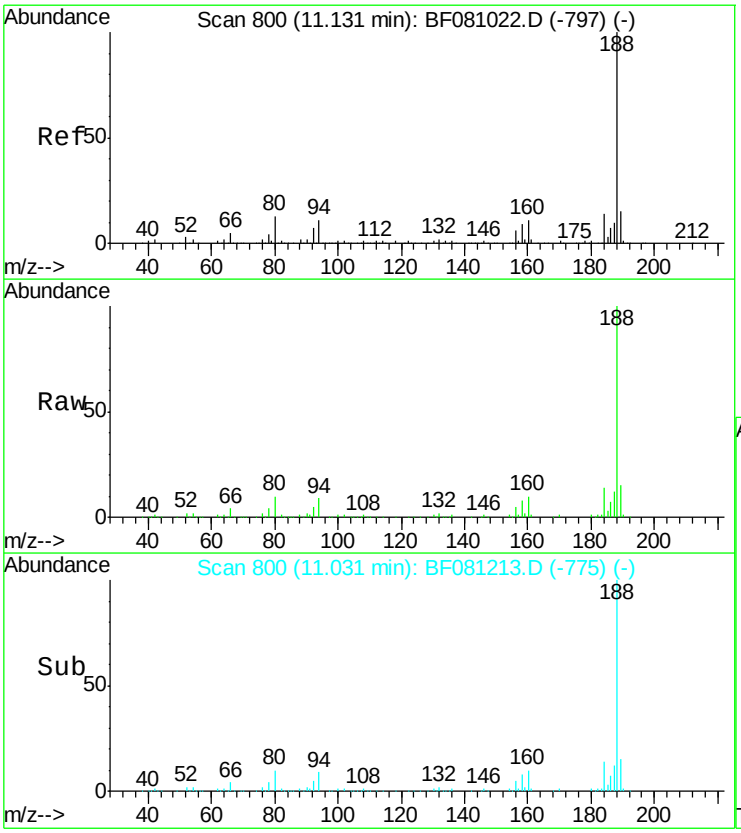
#49
Dimethylphthalate
Concen: 4.51 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:163 Resp: 40731

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.5	3.7
164	10.3	8.1	12.1

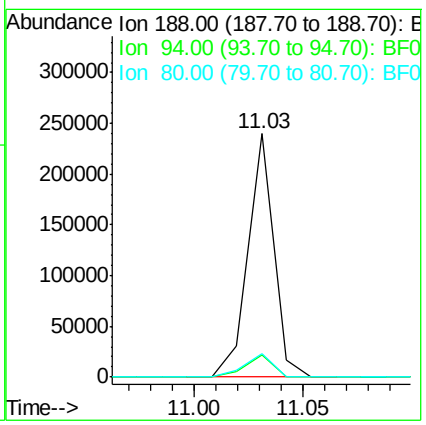


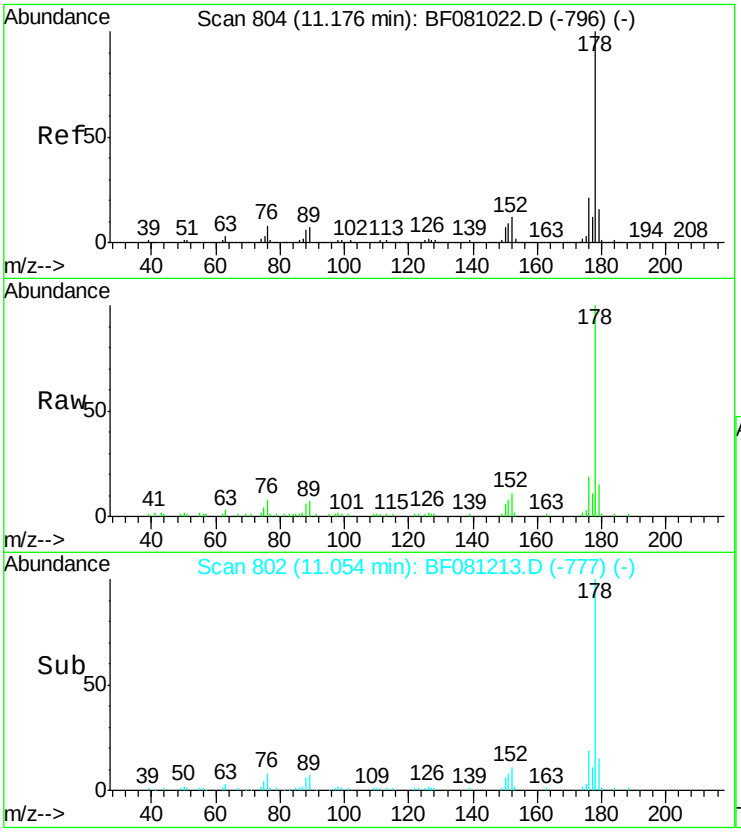


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:188 Resp: 198408

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	9.8	9.5	14.3



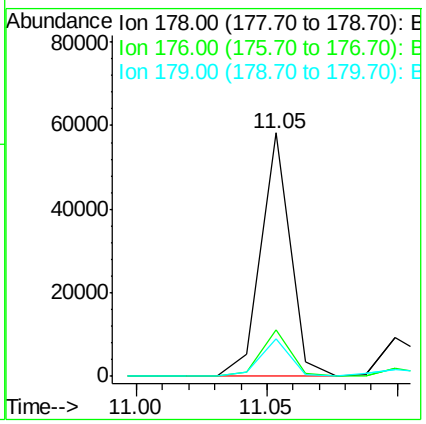


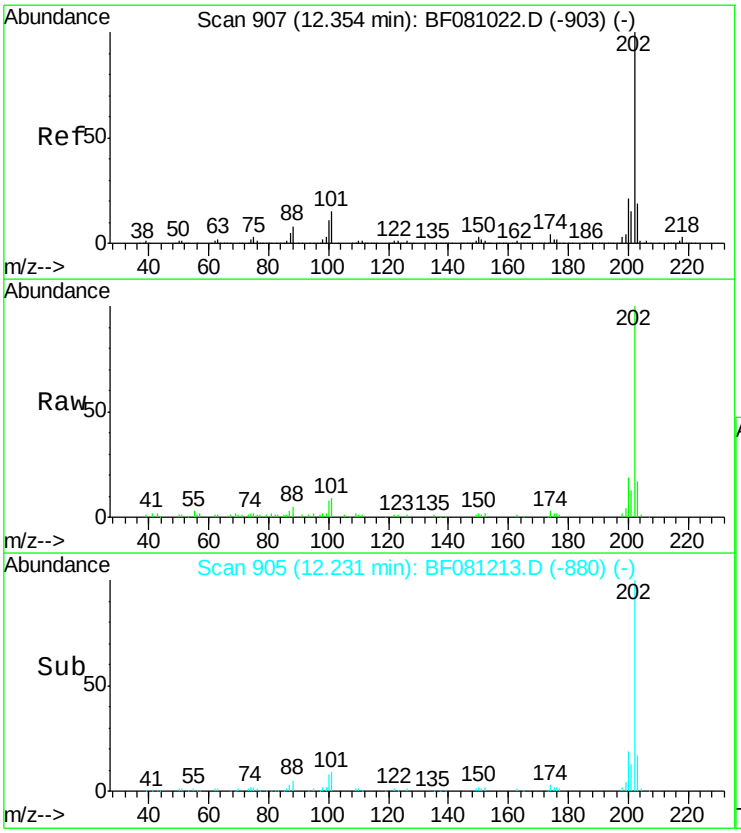
#70
Phenanthrene
Concen: 3.92 ng
RT: 11.05 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:178 Resp: 46106

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.2	12.2	18.2

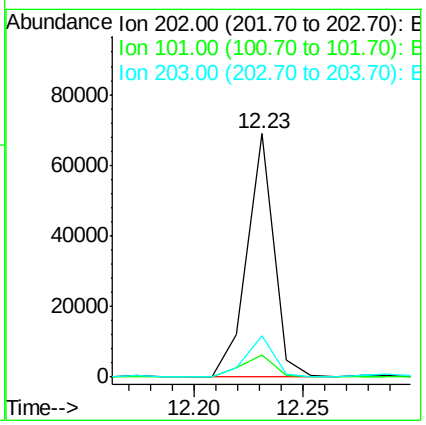


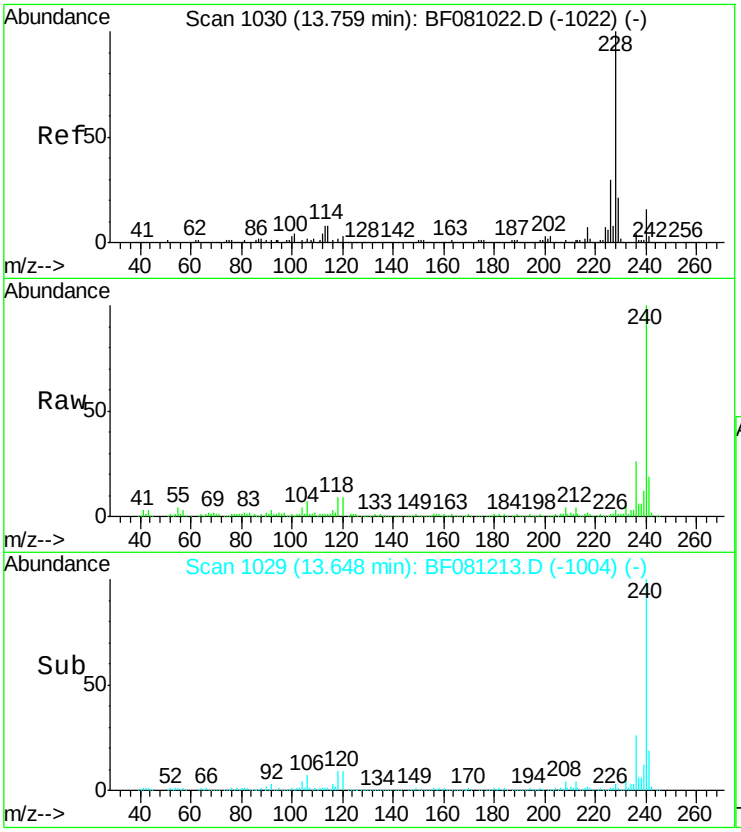


#74
Fluoranthene
Concen: 4.67 ng
RT: 12.23 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:202 Resp: 59282

Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	24.8
203	16.8	0.0	36.9



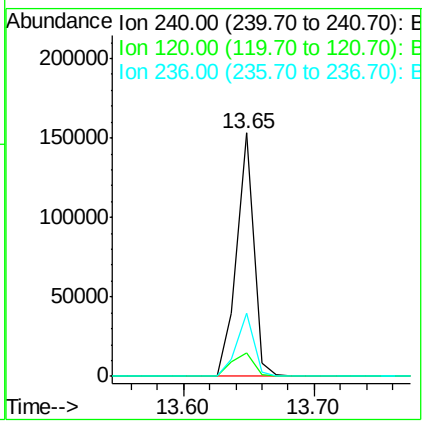


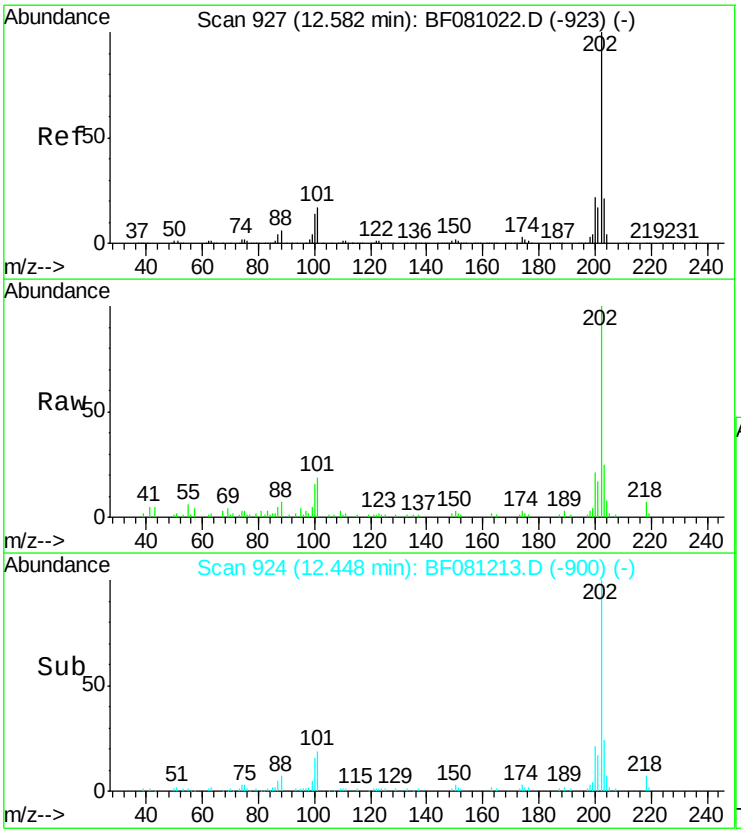
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.65 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:240 Resp: 139488

Ion	Ratio	Lower	Upper
240	100		
120	9.5	5.6	8.4#
236	25.8	20.6	30.8

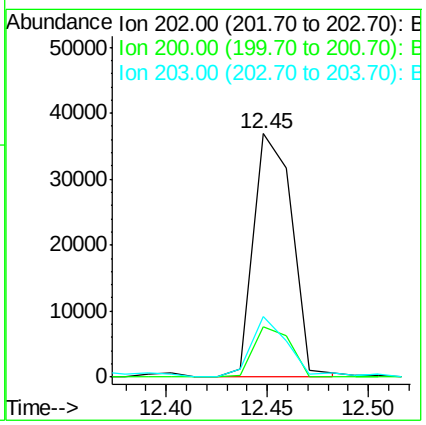


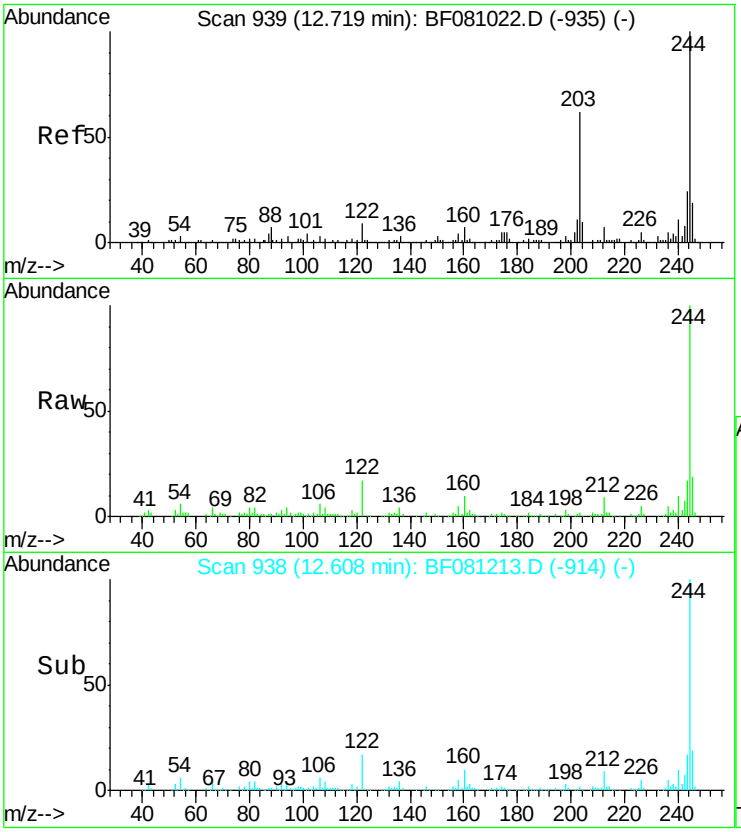


#77
Pyrene
Concen: 4.33 ng m
RT: 12.45 min Scan# 924
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:202 Resp: 49089

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	24.7	14.1	21.1#



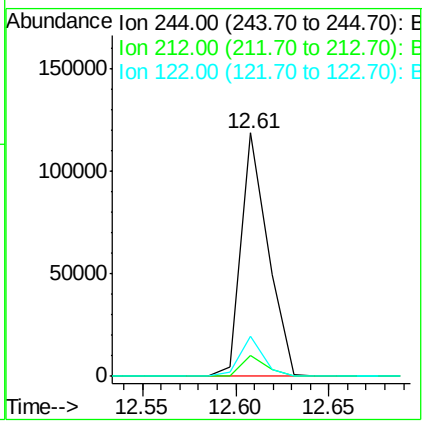


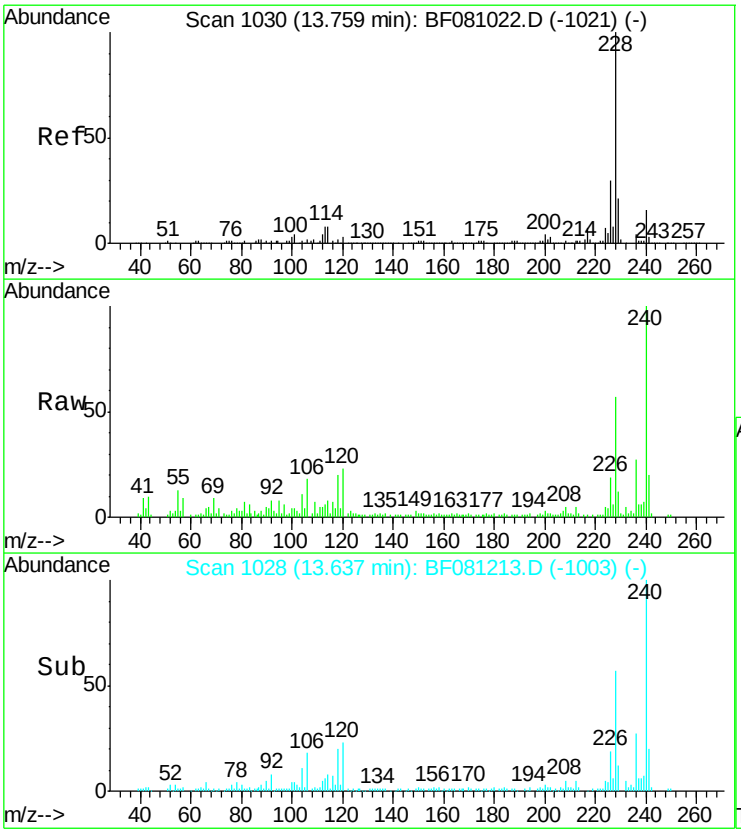
#78
Terphenyl-d14
Concen: 18.29 ng
RT: 12.61 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:244 Resp: 119035

Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.8	8.8
122	16.7	8.2	12.4#

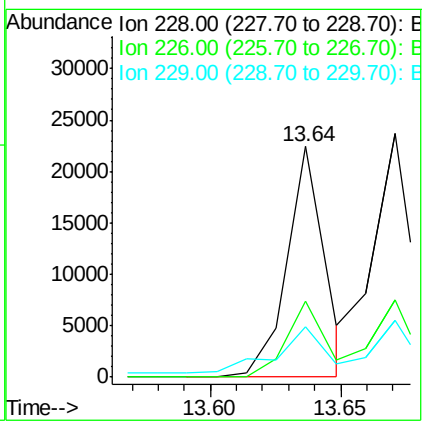


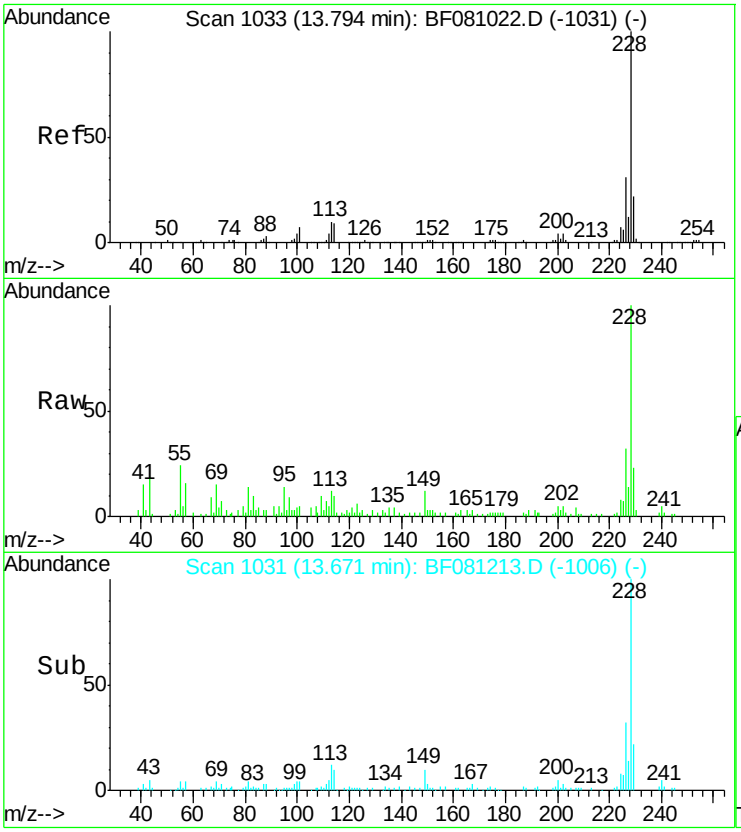


#80
Benzo(a)anthracene
Concen: 2.39 ng
RT: 13.64 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:228 Resp: 22390

Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.3	33.5
229	22.0	15.9	23.9



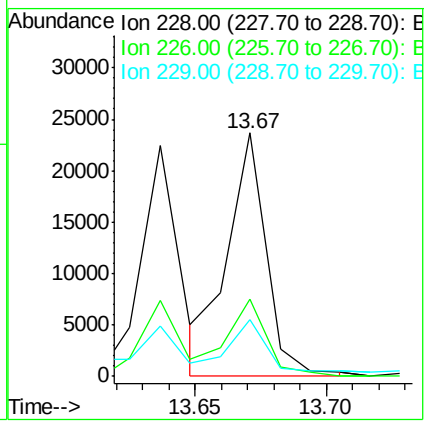


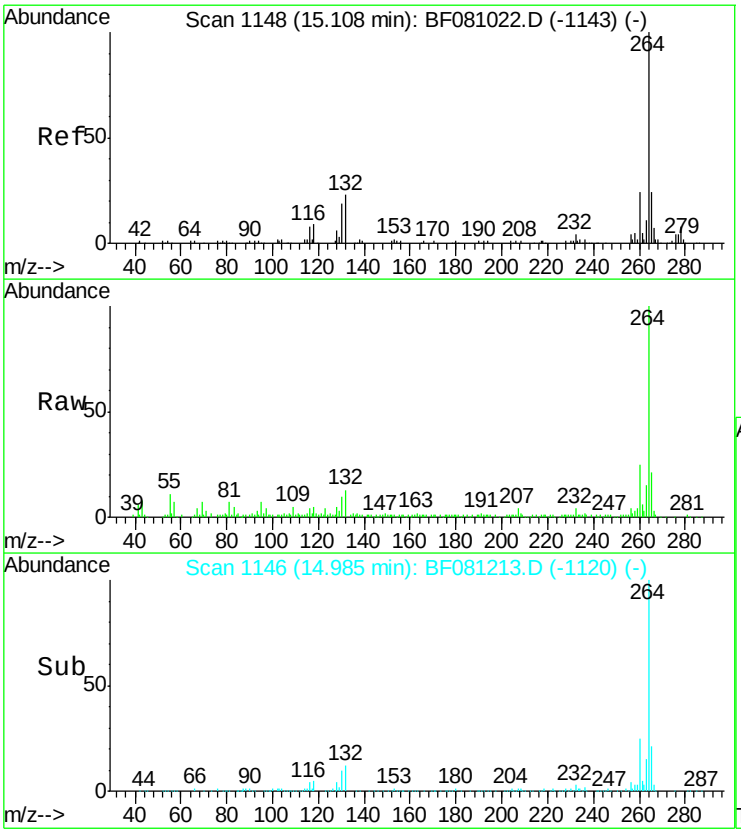
#82
Chrysene
Concen: 2.88 ng m
RT: 13.67 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:228 Resp: 24271

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.4	36.6
229	23.2	16.0	24.0

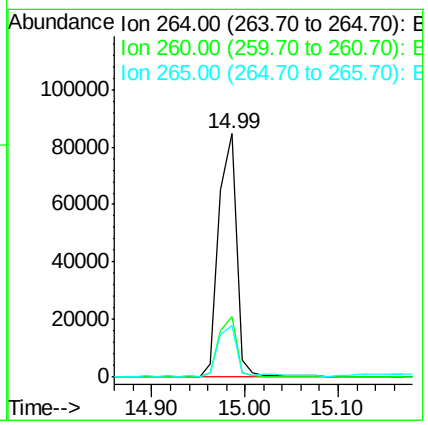


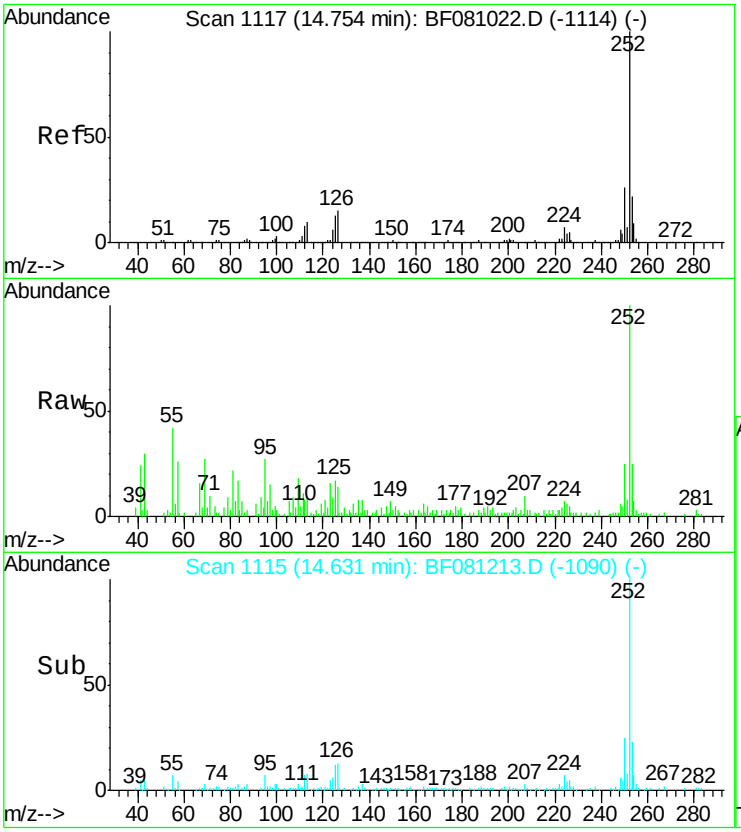


#86
Perylene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:264 Resp: 113044

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.6	29.4
265	21.2	17.5	26.3



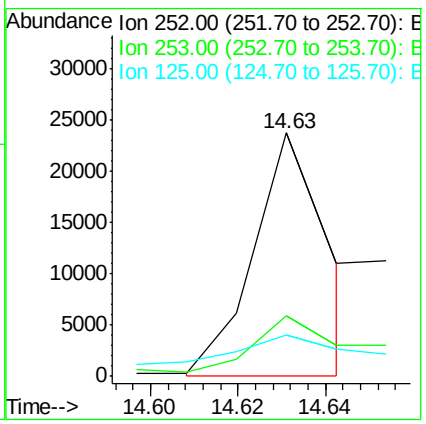


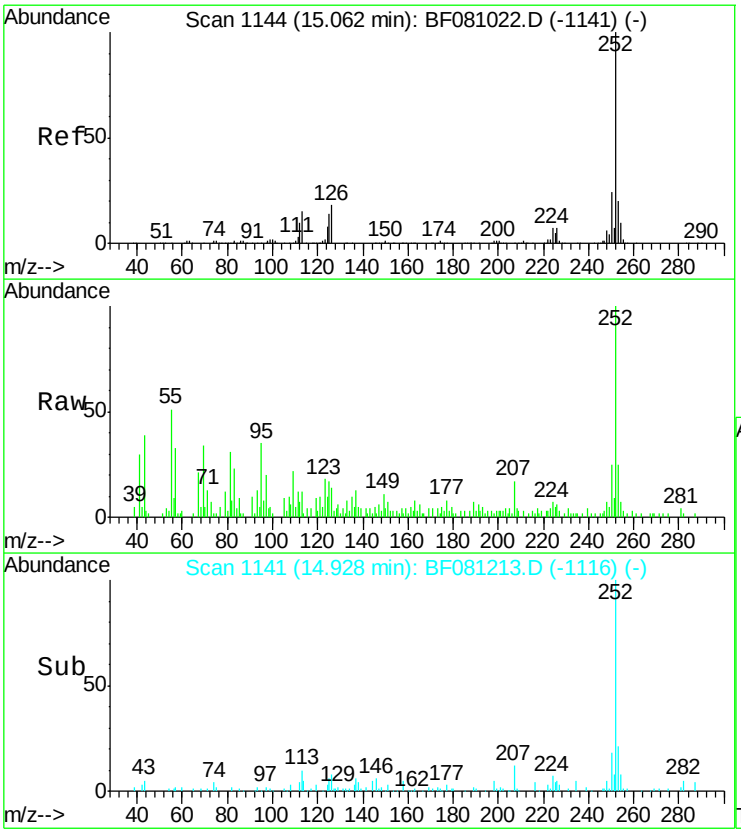
#87
Benzo(b)fluoranthene
Concen: 3.51 ng m
RT: 14.63 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:252 Resp: 28105

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	16.9	8.0	12.0#

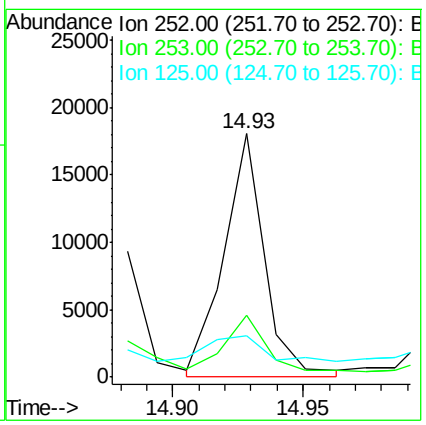


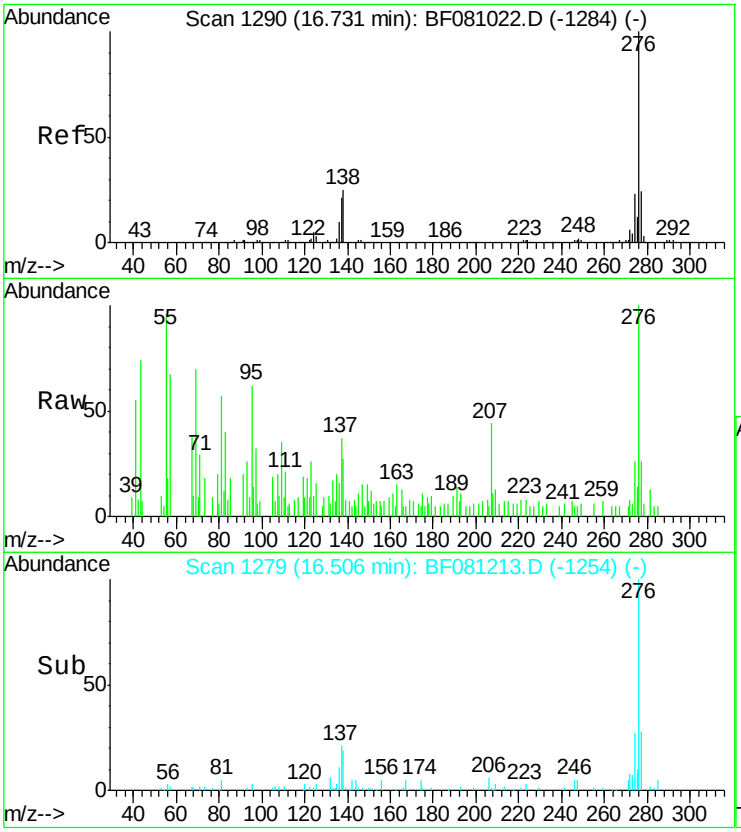


#89
Benzo(a)pyrene
Concen: 2.84 ng
RT: 14.93 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Tgt Ion:252 Resp: 19754

Ion	Ratio	Lower	Upper
252	100		
253	25.3	16.6	25.0#
125	17.0	7.8	11.8#





#91
Benzo(g,h,i)perylene
Concen: 2.11 ng
RT: 16.51 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF081213.D
Acq: 25 Aug 2015 22:41

Instrument :
BNA_F
ClientSampleId :
P004-BF003-01

Tgt Ion:276 Resp: 11602

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.2	27.2
138	26.6	13.7	20.5#