Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086296.D
Acq On : 18 Apr 2016 22:00
Operator : UM/SJ
Sample : H2413-13 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-1-C(0-2)

Quant Time: Apr 19 00:56:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 15 15:56:31 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	297402	20.00	ng		-0.01
21) Naphthalene-d8	8.18	136	1098483	20.00	ng		0.00
38) Acenaphthene-d10	9.93	164	430394	20.00	ng		-0.01
63) Phenanthrene-d10	11.41	188	700460	20.00	ng		0.00
75) Chrysene-d12	14.04	240	488069	20.00	ng		-0.01
86) Perylene-d12	15.48	264	392888	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	442104	24.36	ng		-0.01
7) Phenol-d6	6.51	99	545678	24.03	ng		-0.01
23) Nitrobenzene-d5	7.45	82	315909	16.59	ng		-0.01
41) 2,4,6-Tribromophenol	10.72	330	73924	21.39	ng		-0.01
44) 2-Fluorobiphenyl	9.25	172	480865	20.62	ng		-0.01
78) Terphenyl-d14	12.99	244	314891	16.22	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	42518	2.93	ng	#	70
22) Acetophenone	7.30	105	1300	Below Cal		#	30
48) Acenaphthylene	9.79	152	117257	2.91	ng		96
50) 2,6-Dinitrotoluene	9.93	165	55567	8.02	ng	#	32
57) Fluorene	10.48	166	41589	Below Cal			94
70) Phenanthrene	11.44	178	304618	9.10	ng		97
71) Anthracene	11.48	178	165072	3.21	ng		96
74) Fluoranthene	12.61	202	464623	12.01	ng		93
77) Pyrene	12.84	202	486256	12.99	ng		98
80) Benzo(a)anthracene	14.03	228	276181	10.31	ng	#	93
82) Chrysene	14.03	228	276181	9.67	ng		97
85) Indeno(1,2,3-cd)pyrene	16.89	276	125590	5.35	ng		97
87) Benzo(b)fluoranthene	15.07	252	335273	13.83	ng	#	95
88) Benzo(k)fluoranthene	15.07	252	335273	15.17	ng	#	92
89) Benzo(a)pyrene	15.41	252	205941	9.81	ng	#	95
91) Benzo(g,h,i)perylene	17.31	276	160618	8.14	ng	#	94

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

Quantitation Report (Not Reviewed)

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Operator : UM/SJ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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BNA_F
ClientSampleId :
SP-1-C(0-2)

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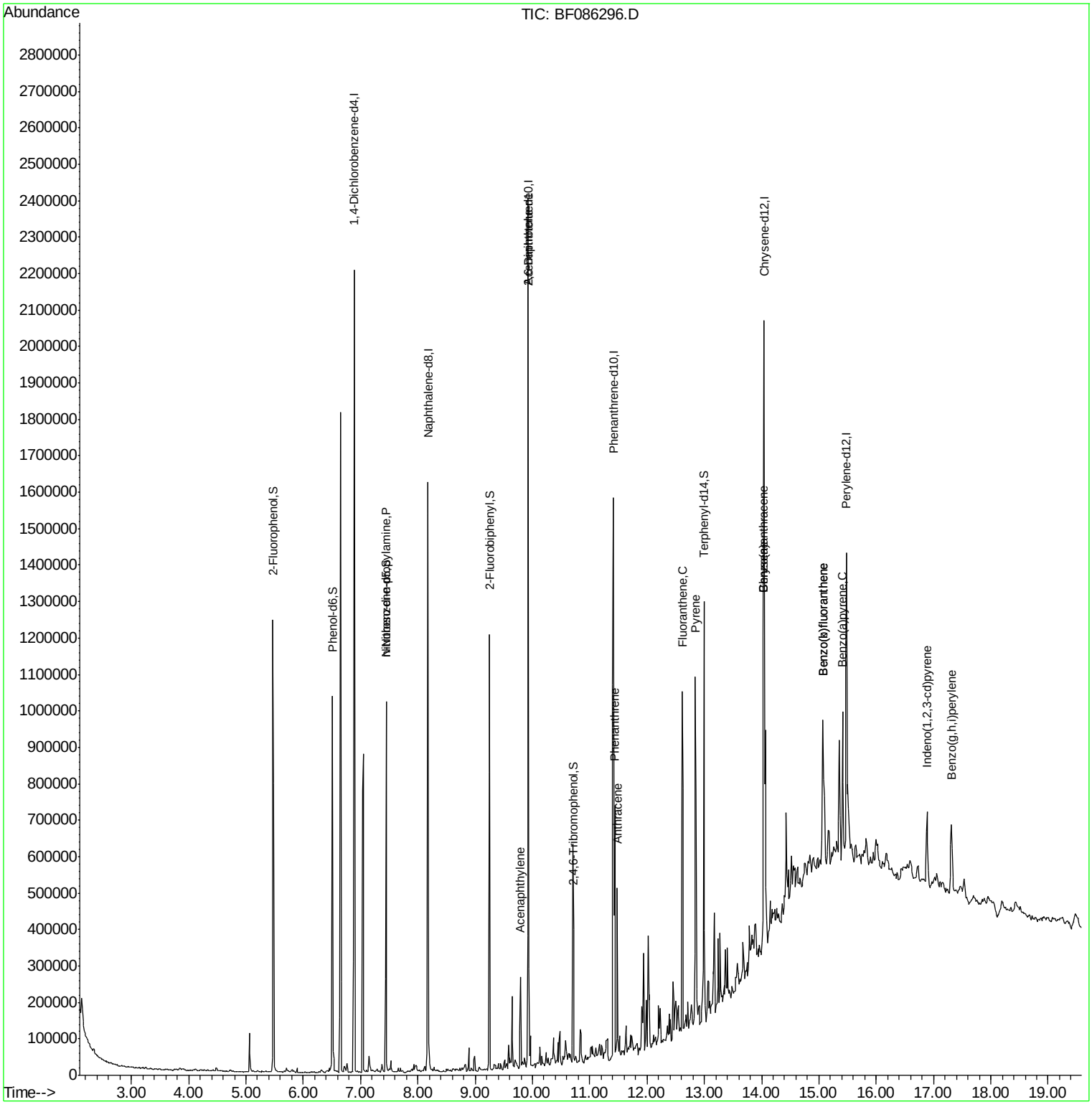
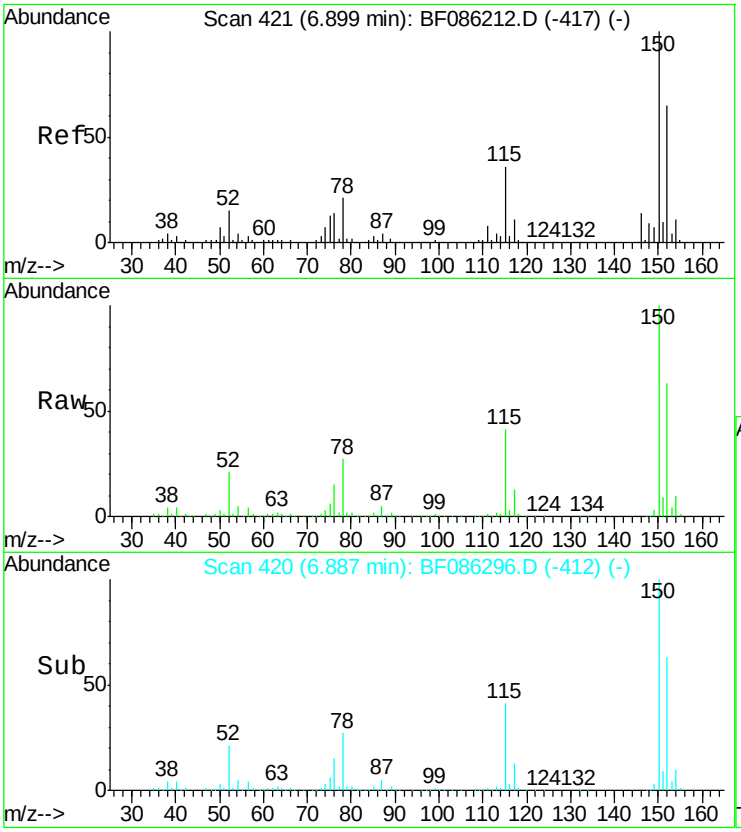


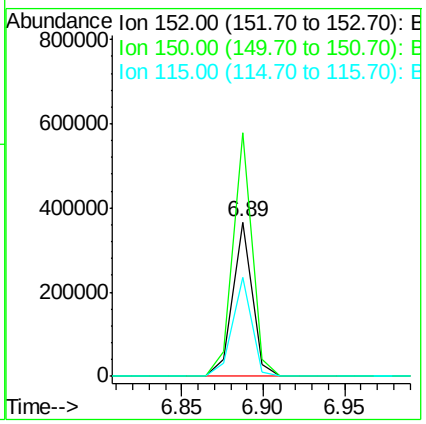


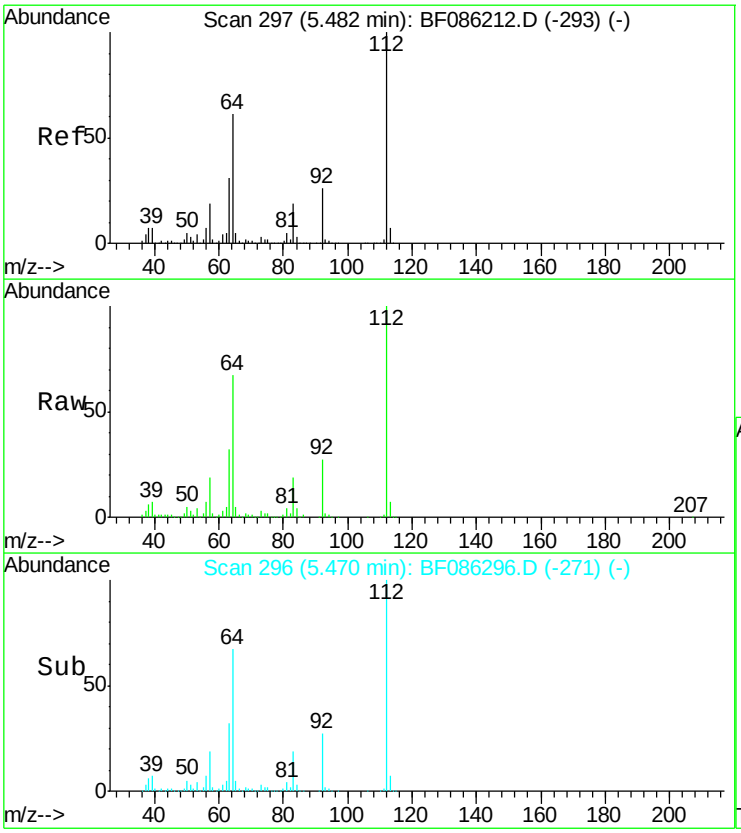
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:152 Resp: 297402

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.1	186.1
115	64.2	43.9	65.9

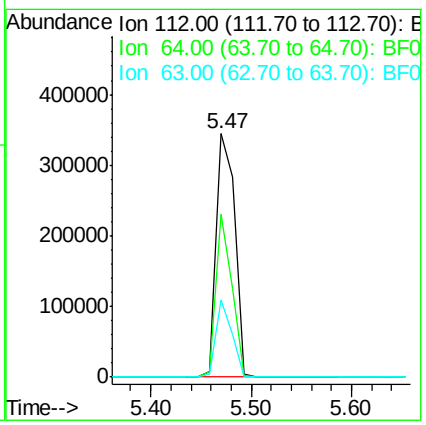


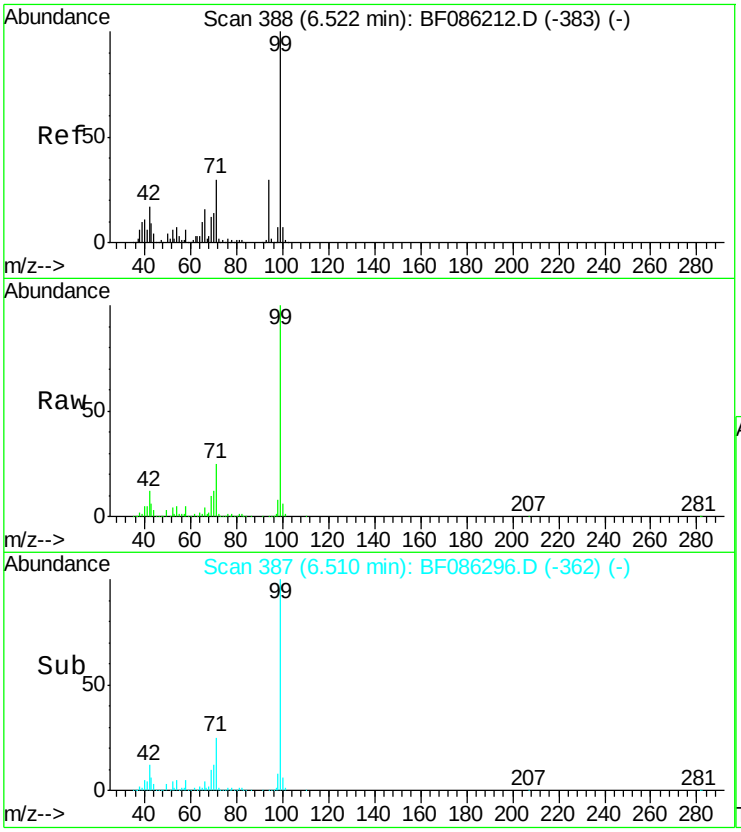


#5
2-Fluorophenol
Concen: 24.36 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:112 Resp: 442104

Ion	Ratio	Lower	Upper
112	100		
64	66.9	48.1	72.1
63	31.6	25.5	38.3



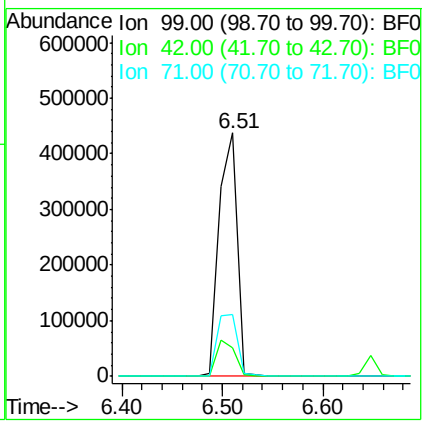


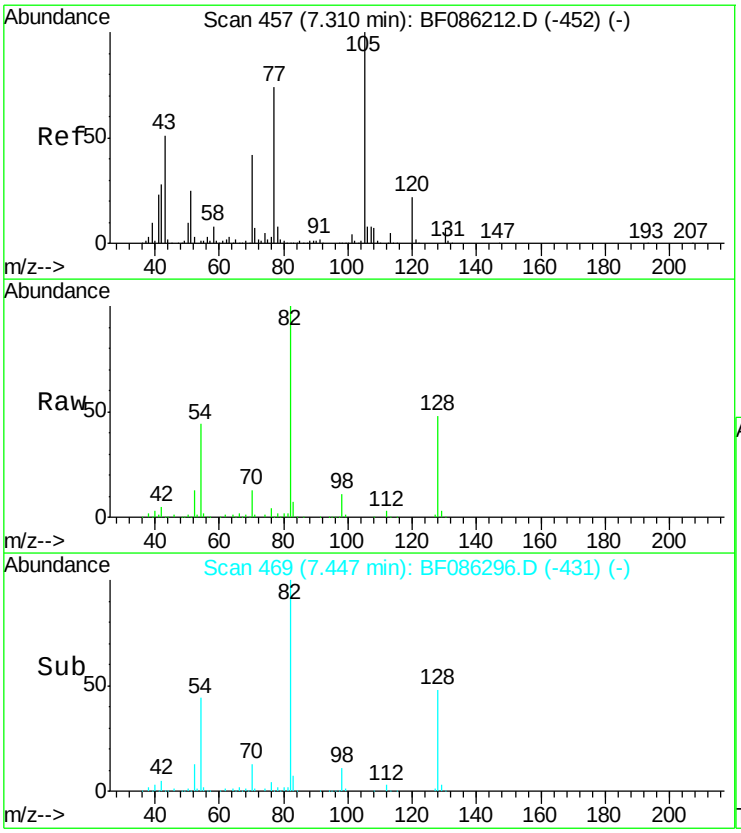
#7
Phenol-d6
Concen: 24.03 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion: 99 Resp: 545678

Ion	Ratio	Lower	Upper
99	100		
42	11.9	15.4	23.2#
71	25.2	25.6	38.4#

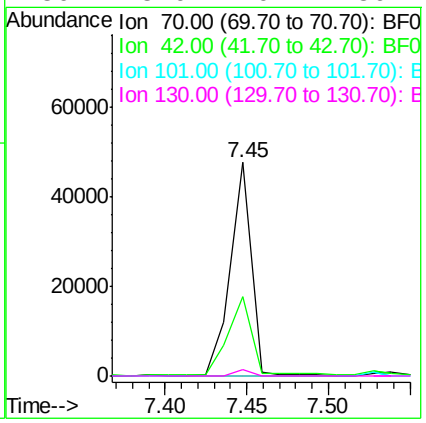


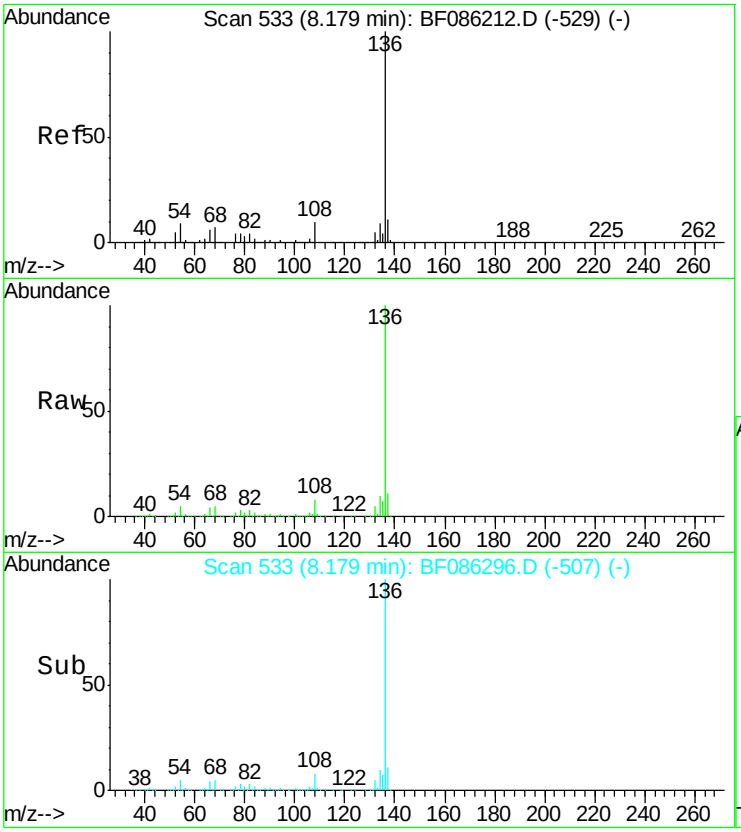


#19
n-Nitroso-di-n-propylamine
Concen: 2.93 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.14 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion: 70 Resp: 42518

Ion	Ratio	Lower	Upper
70	100		
42	37.0	43.0	64.4#
101	0.0	8.1	12.1#
130	3.0	20.1	30.1#



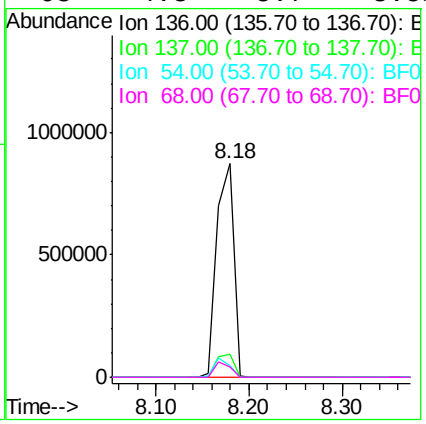


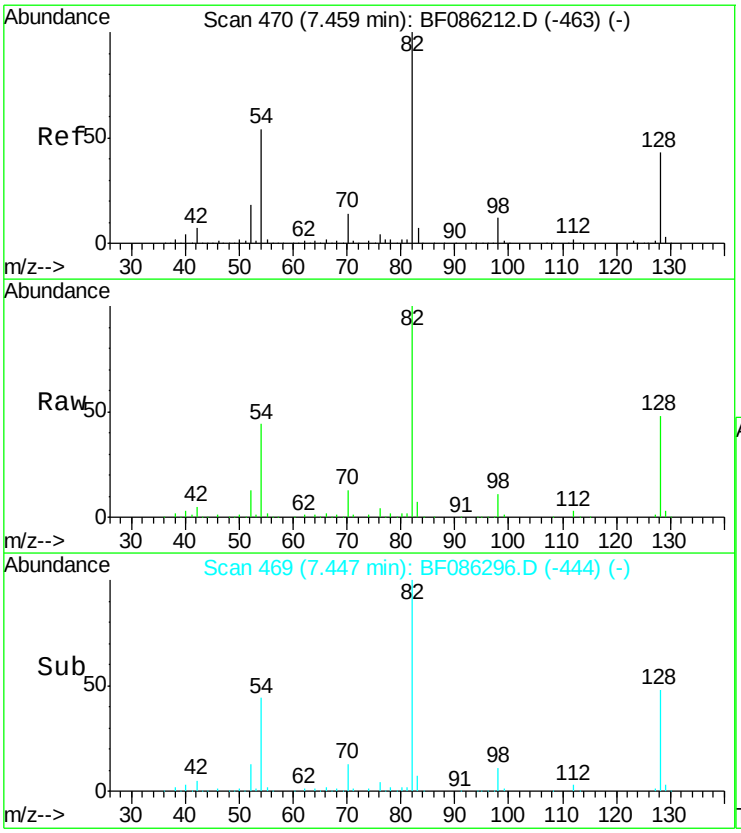
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:136 Resp: 1098483

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.3	7.3	10.9#
68	4.8	5.7	8.5#

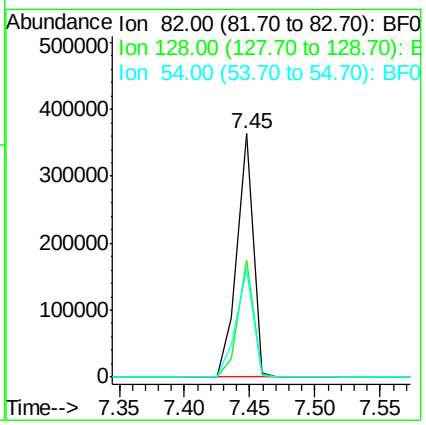


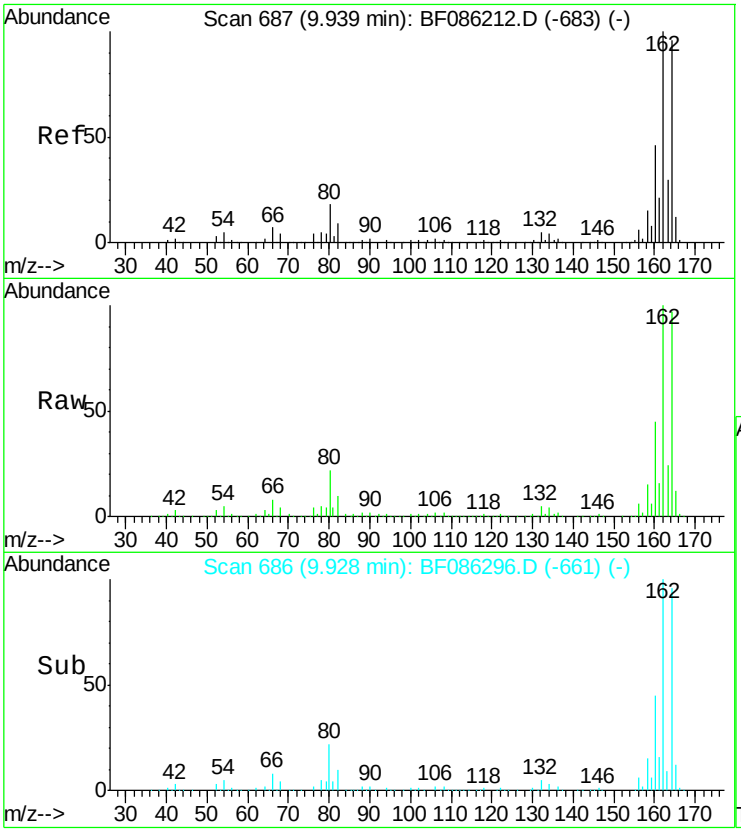


#23
Nitrobenzene-d5
Concen: 16.59 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion: 82 Resp: 315909

Ion	Ratio	Lower	Upper
82	100		
128	48.2	35.4	53.2
54	44.1	43.4	65.0



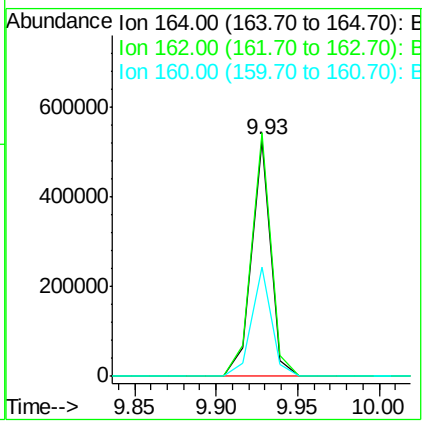


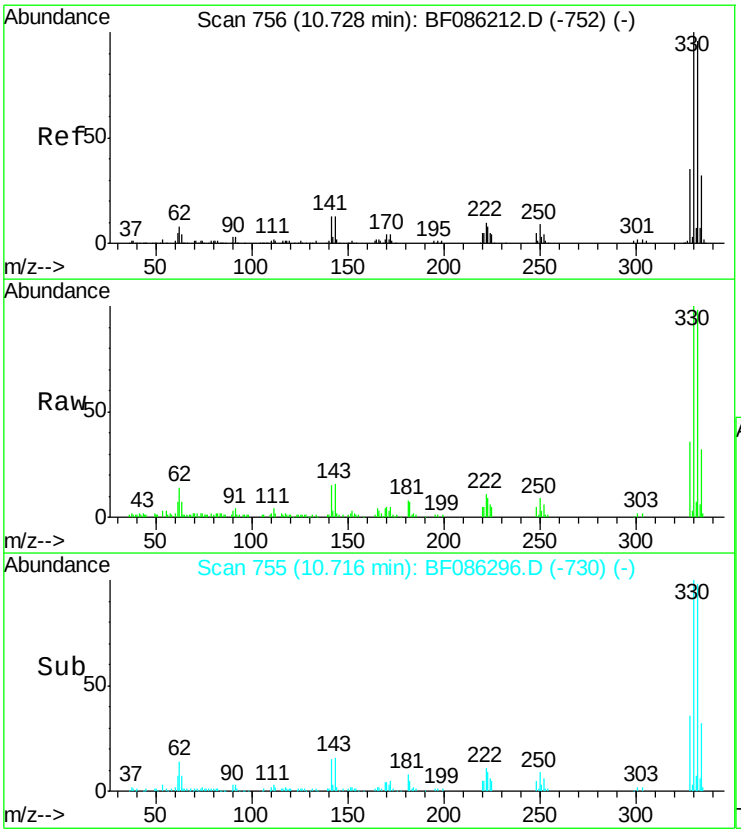
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:164 Resp: 430394

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.8	124.2
160	46.5	38.9	58.3

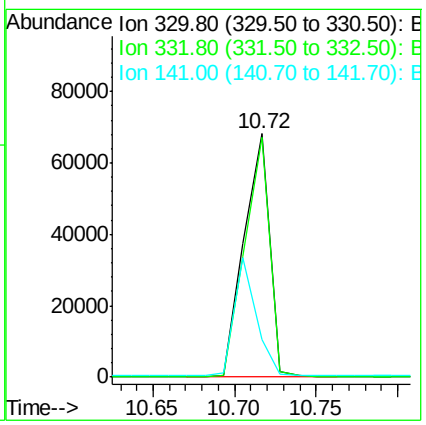


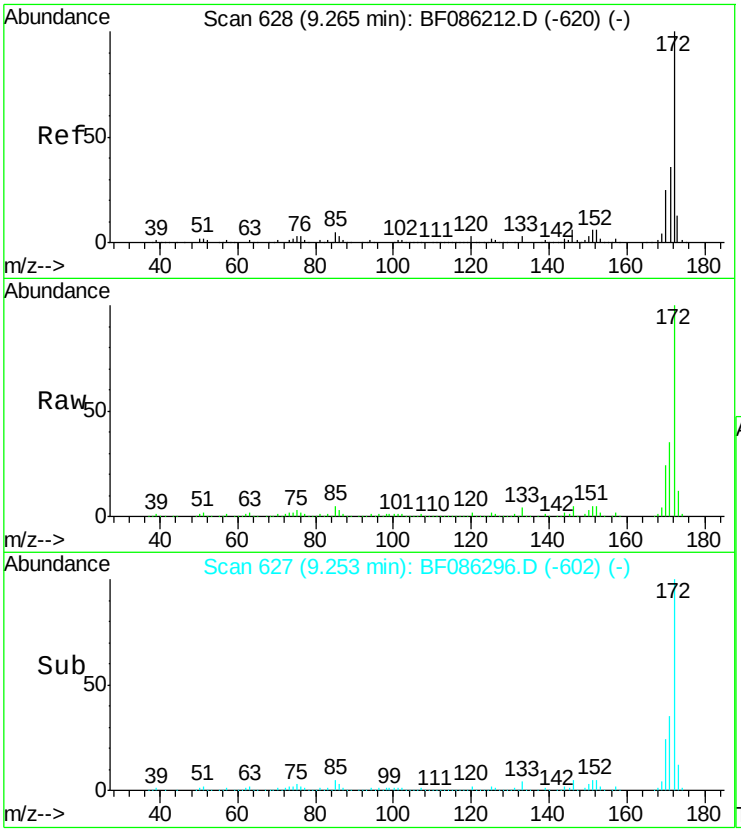


#41
2,4,6-Tribromophenol
Concen: 21.39 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:330 Resp: 73924

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.7	118.1
141	42.2	28.6	42.8



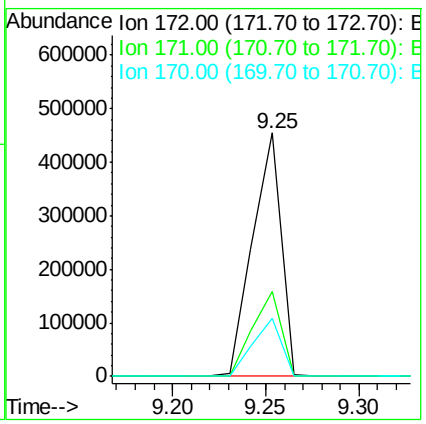


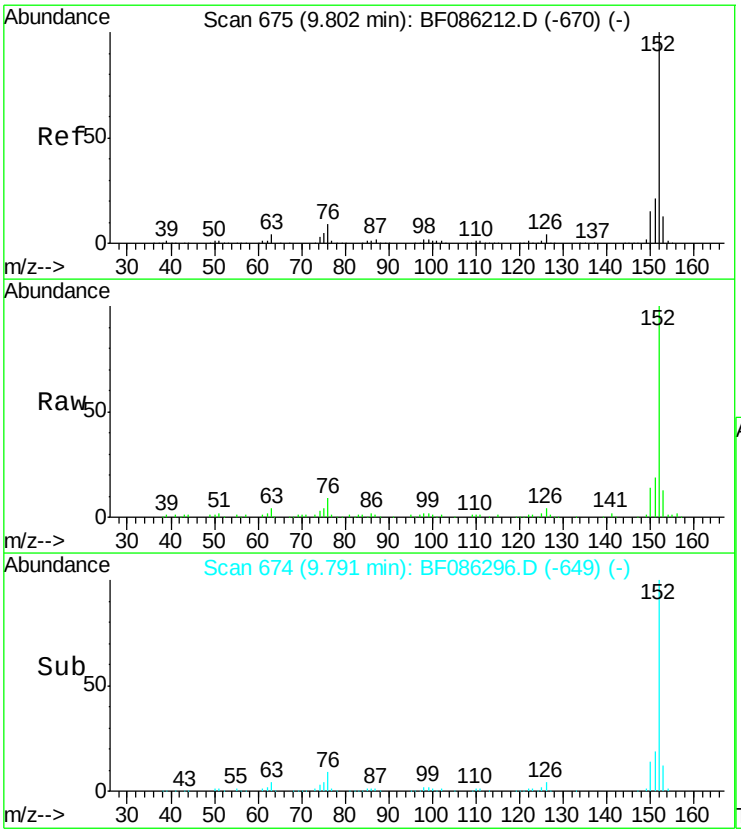
#44
2-Fluorobiphenyl
Concen: 20.62 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:172 Resp: 480865

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.1	43.7
170	24.0	19.9	29.9

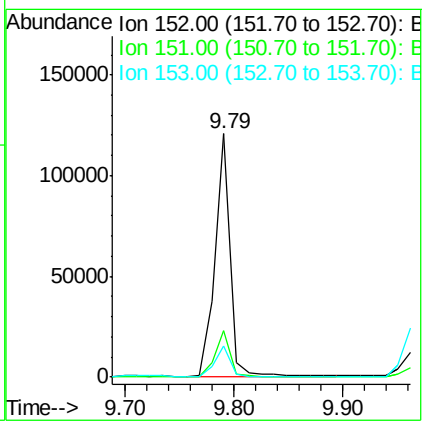


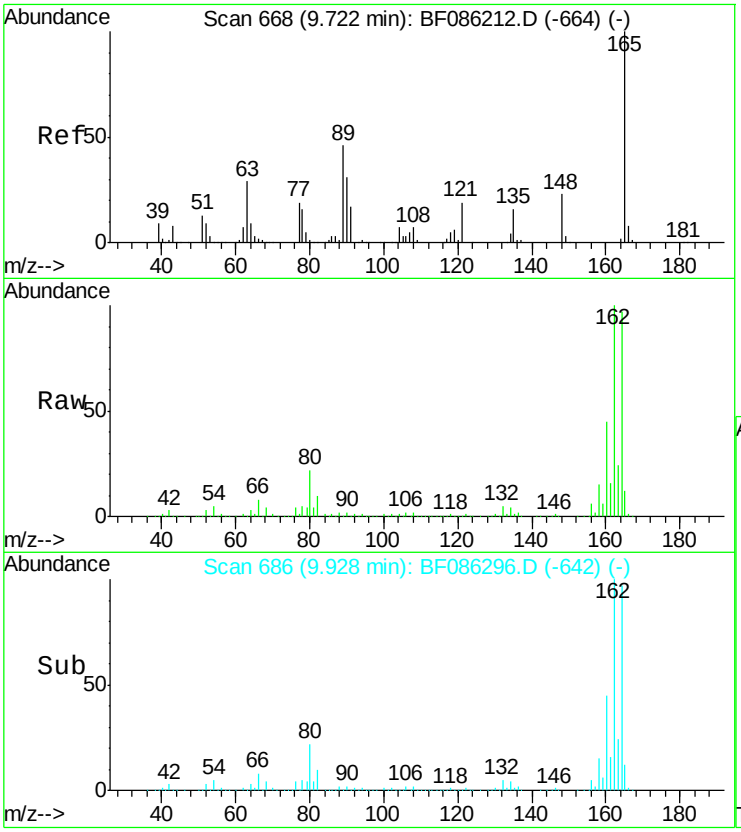


#48
Acenaphthylene
Concen: 2.91 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:152 Resp: 117257

Ion	Ratio	Lower	Upper
152	100		
151	19.2	17.2	25.8
153	12.7	10.7	16.1



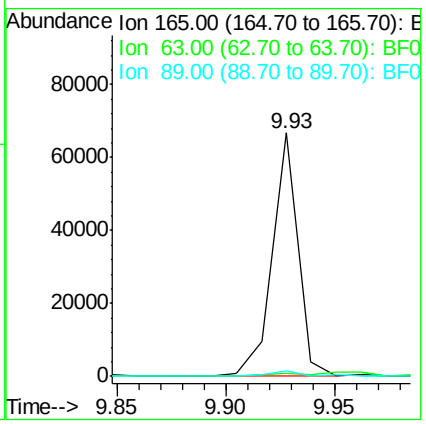


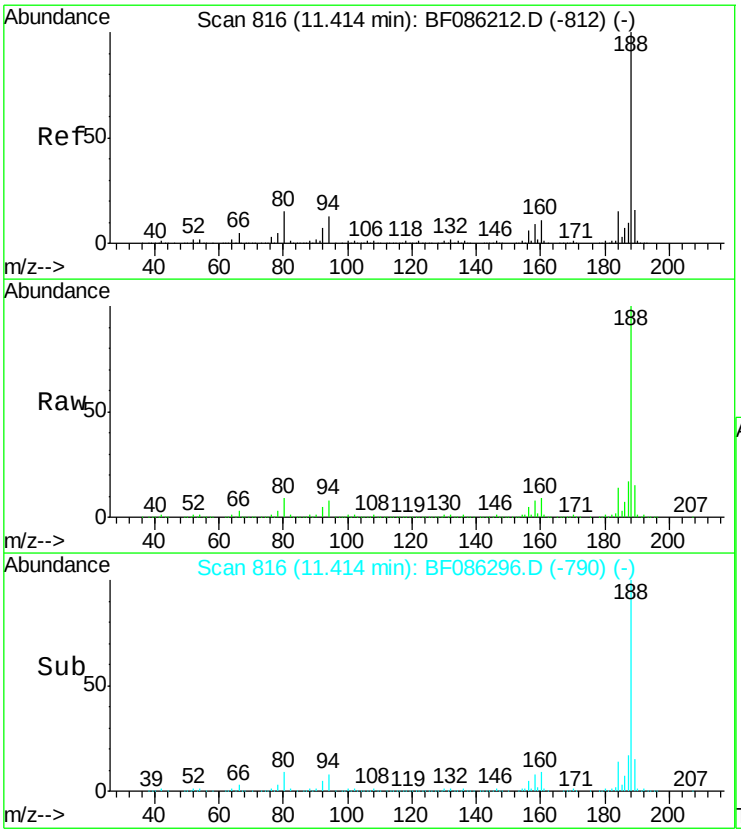
#50
2,6-Dinitrotoluene
Concen: 8.02 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.21 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:165 Resp: 55567

Ion	Ratio	Lower	Upper
165	100		
63	1.0	35.1	52.7#
89	2.0	39.8	59.6#

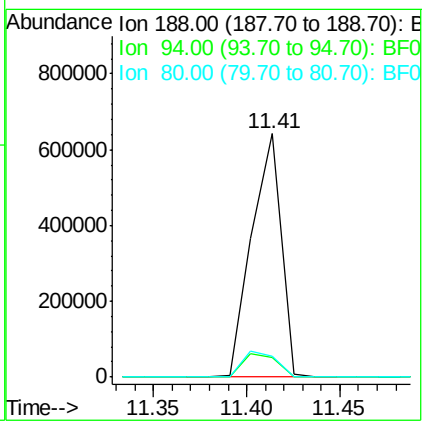


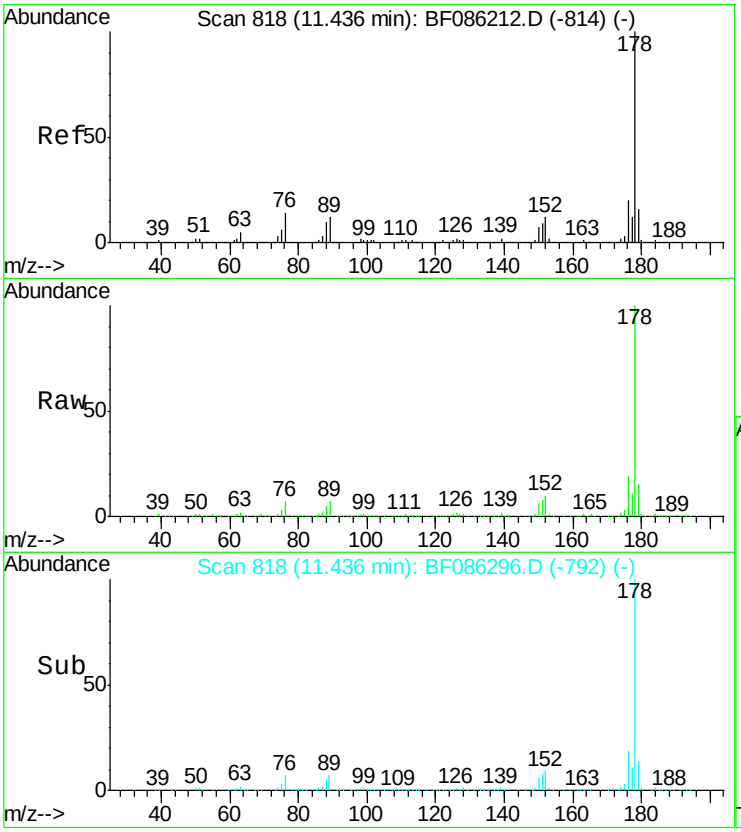


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:188 Resp: 700460

Ion	Ratio	Lower	Upper
188	100		
94	8.0	9.8	14.8#
80	8.7	10.5	15.7#



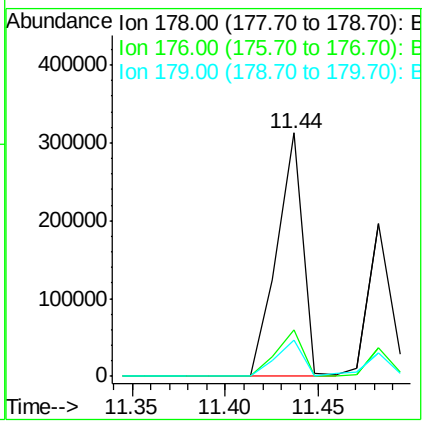


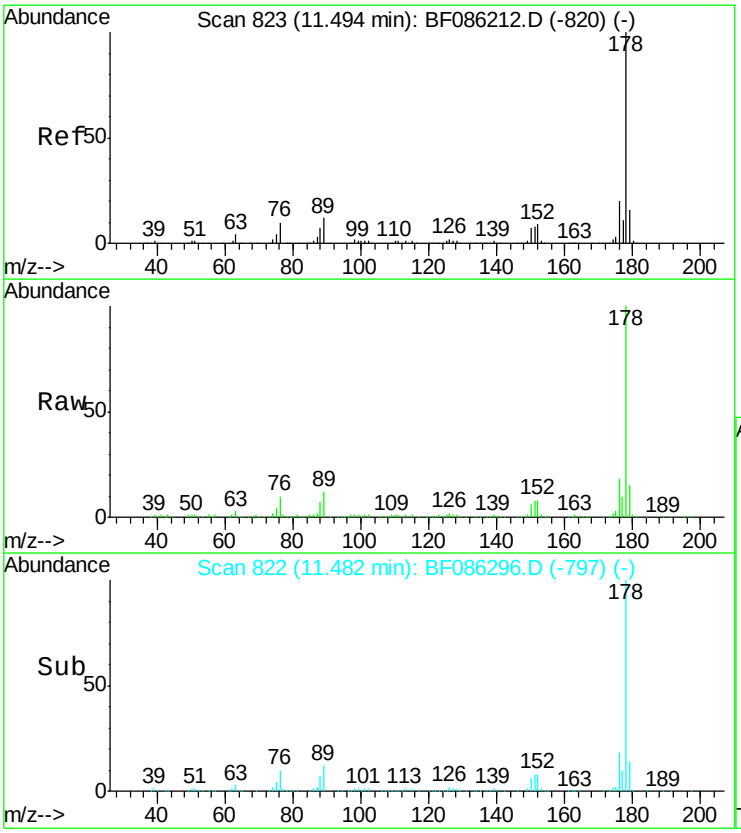
#70
Phenanthrene
Concen: 9.10 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:178 Resp: 304618

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	14.7	13.0	19.6

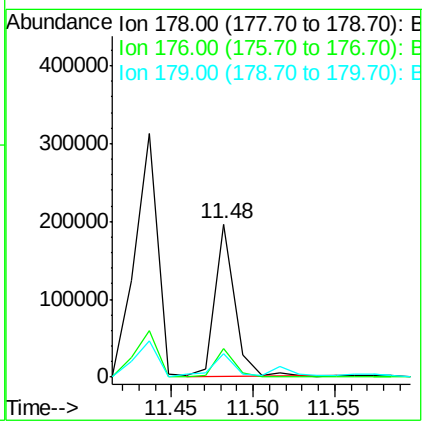


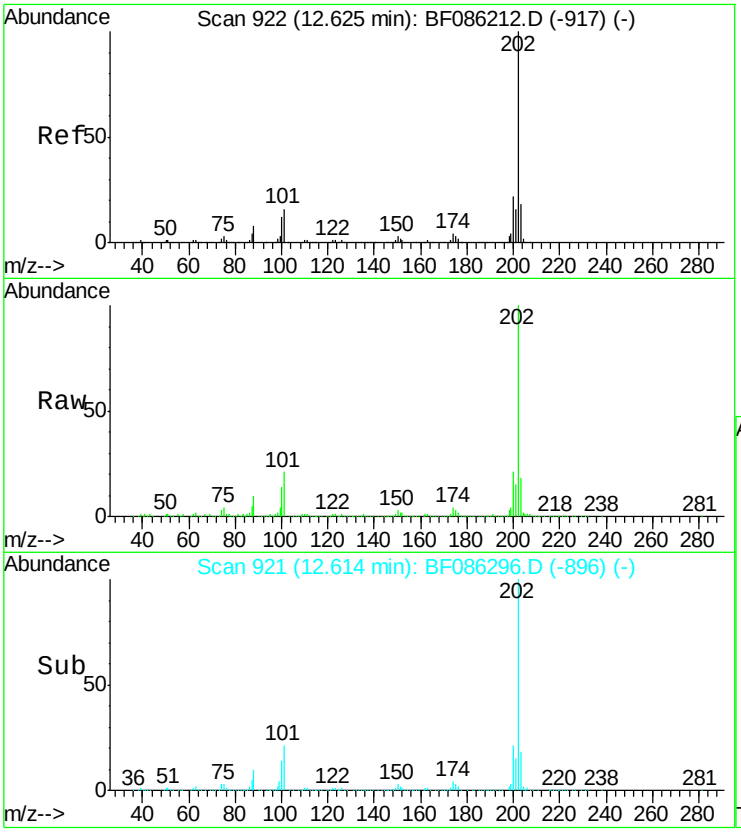


#71
Anthracene
Concen: 3.21 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:178 Resp: 165072

Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	14.9	13.2	19.8



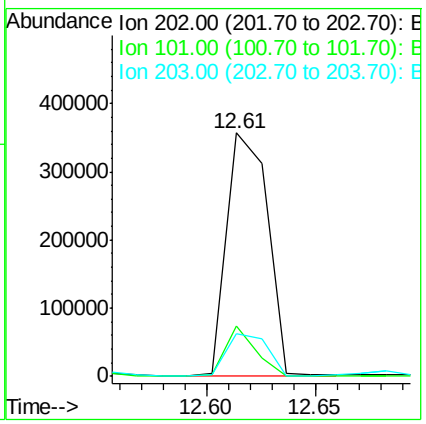


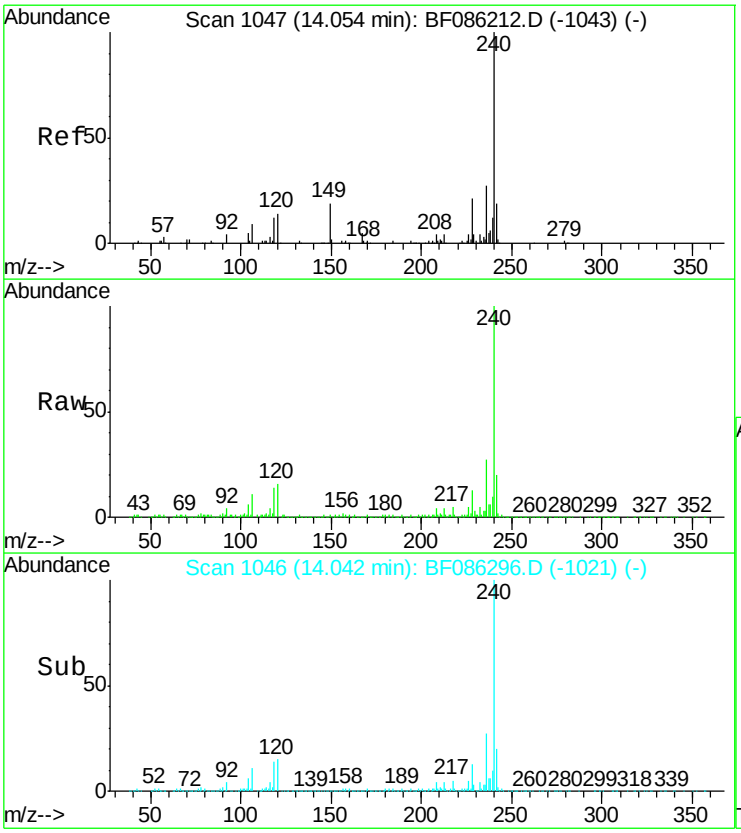
#74
Fluoranthene
Concen: 12.01 ng
RT: 12.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:202 Resp: 464623

Ion	Ratio	Lower	Upper
202	100		
101	20.7	0.0	35.2
203	17.5	0.0	38.2

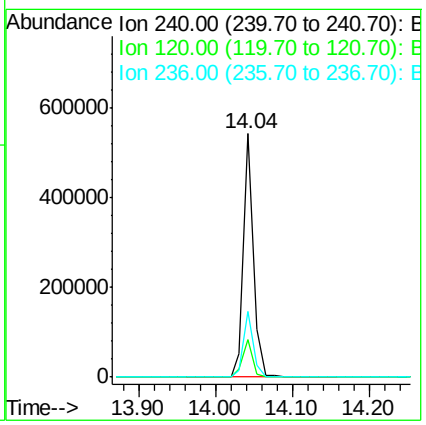


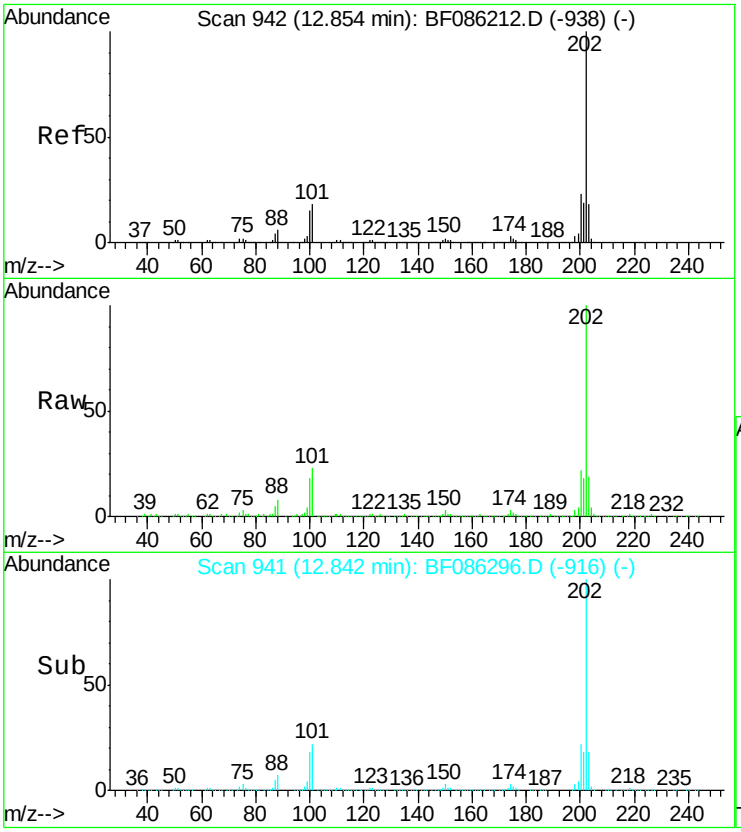


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:240 Resp: 488069

Ion	Ratio	Lower	Upper
240	100		
120	15.5	9.3	13.9#
236	26.8	21.1	31.7



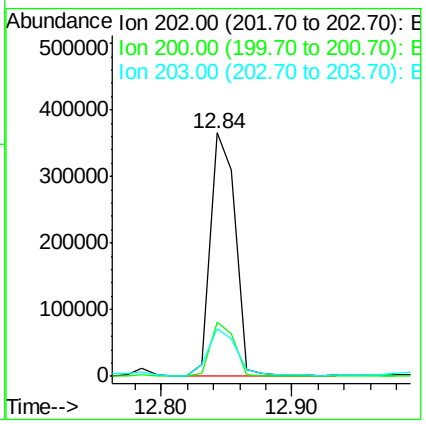


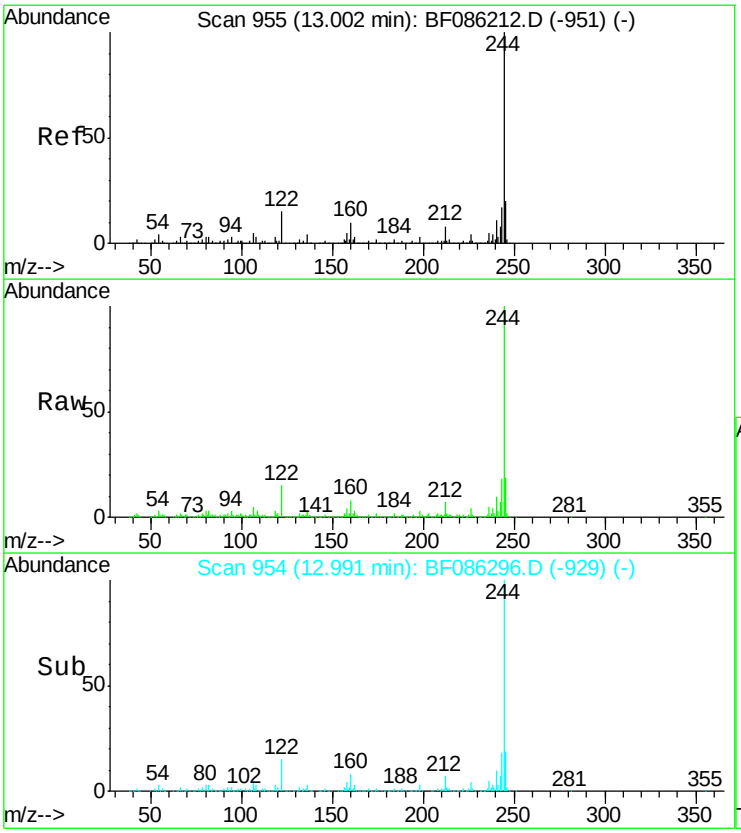
#77
Pyrene
Concen: 12.99 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:202 Resp: 486256

Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.3	27.5
203	19.4	14.9	22.3

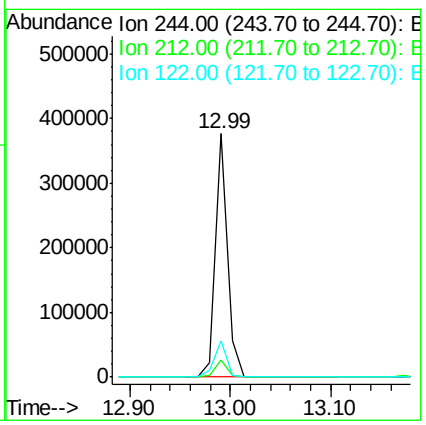


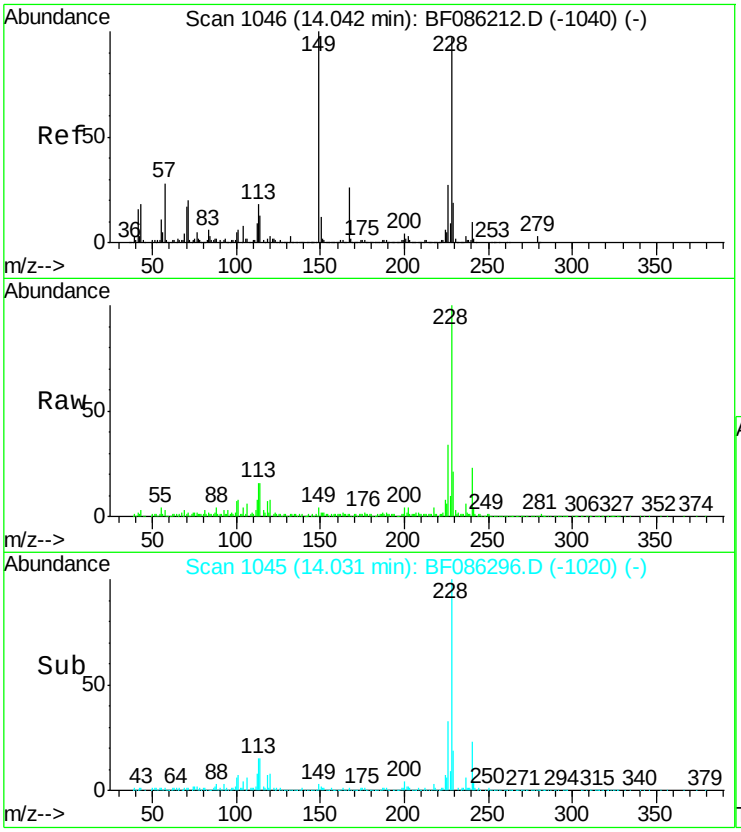


#78
Terphenyl-d14
Concen: 16.22 ng
RT: 12.99 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:244 Resp: 314891

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	14.7	11.7	17.5



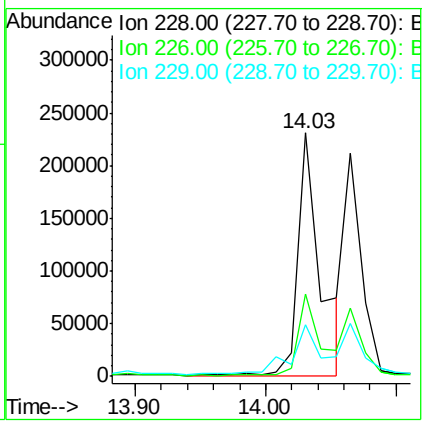


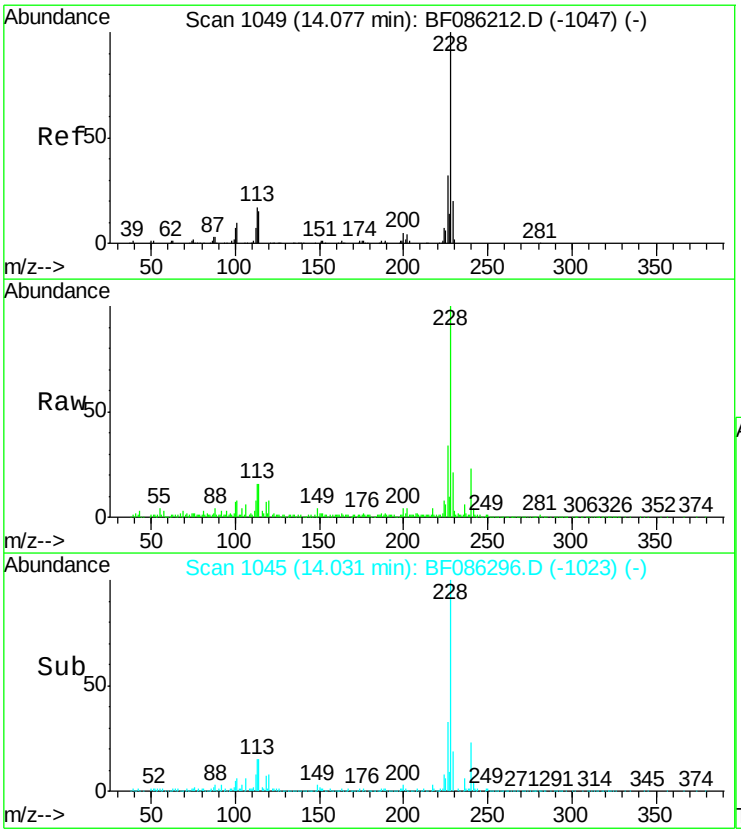
#80
Benzo(a)anthracene
Concen: 10.31 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:228 Resp: 276181

Ion	Ratio	Lower	Upper
228	100		
226	34.1	22.5	33.7#
229	21.0	16.2	24.2

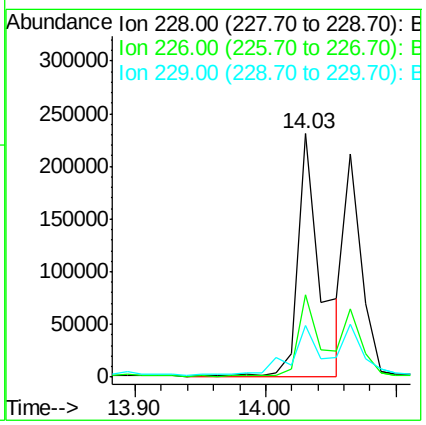


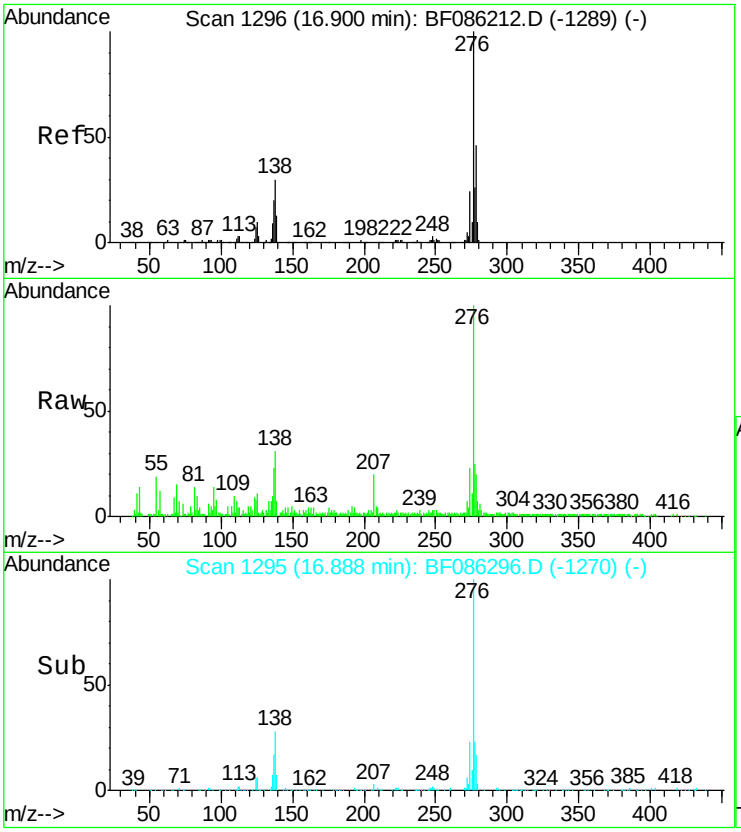


#82
Chrysene
Concen: 9.67 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.05 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:228 Resp: 276181

Ion	Ratio	Lower	Upper
228	100		
226	34.1	25.4	38.2
229	21.0	16.5	24.7



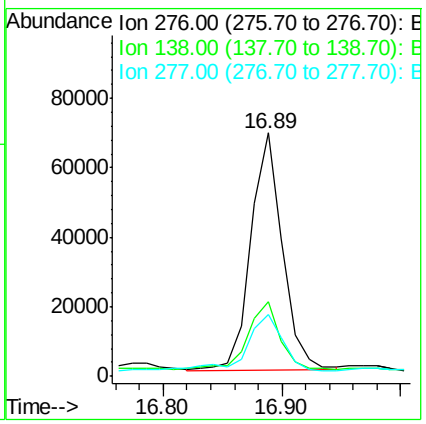


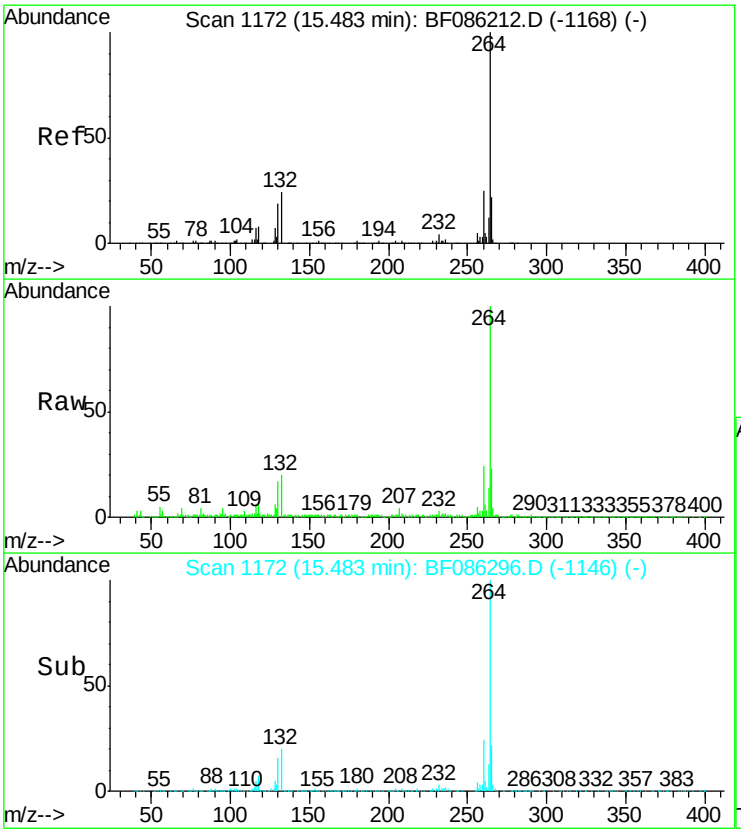
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.35 ng
RT: 16.89 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:276 Resp: 125590

Ion	Ratio	Lower	Upper
276	100		
138	29.6	23.8	35.6
277	28.7	20.2	30.2

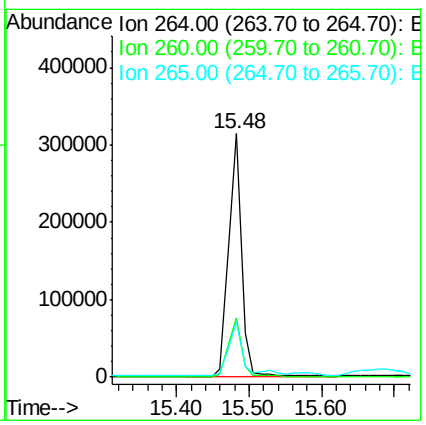


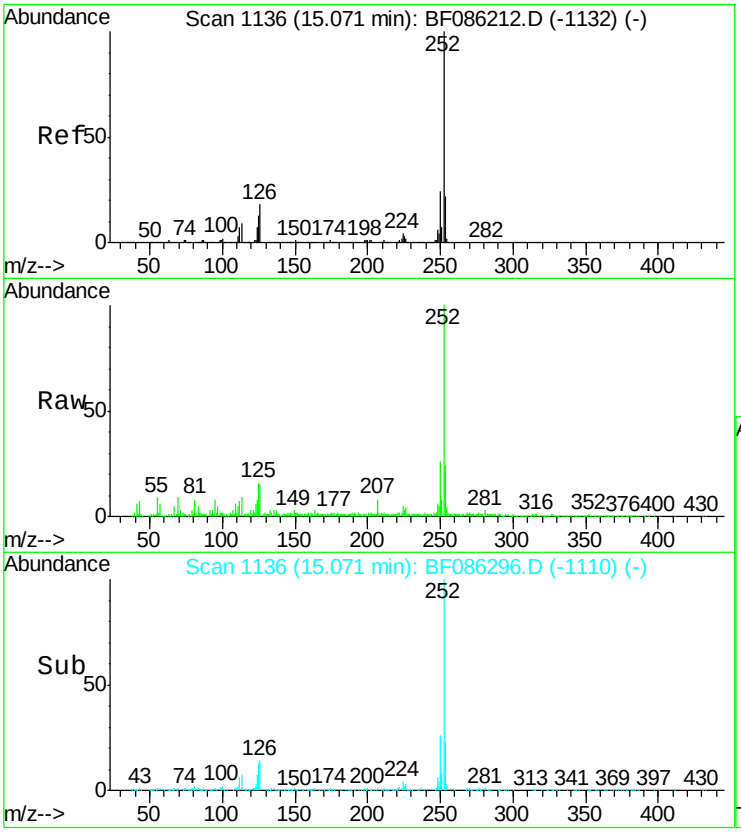


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:264 Resp: 392888

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	22.5	17.4	26.0



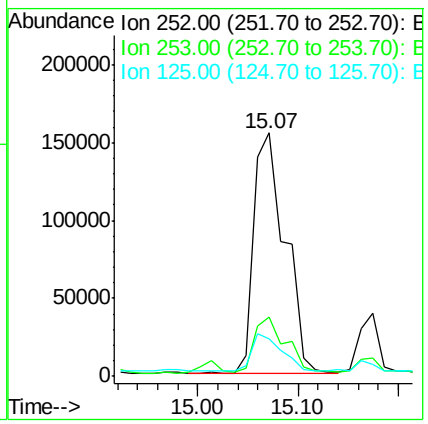


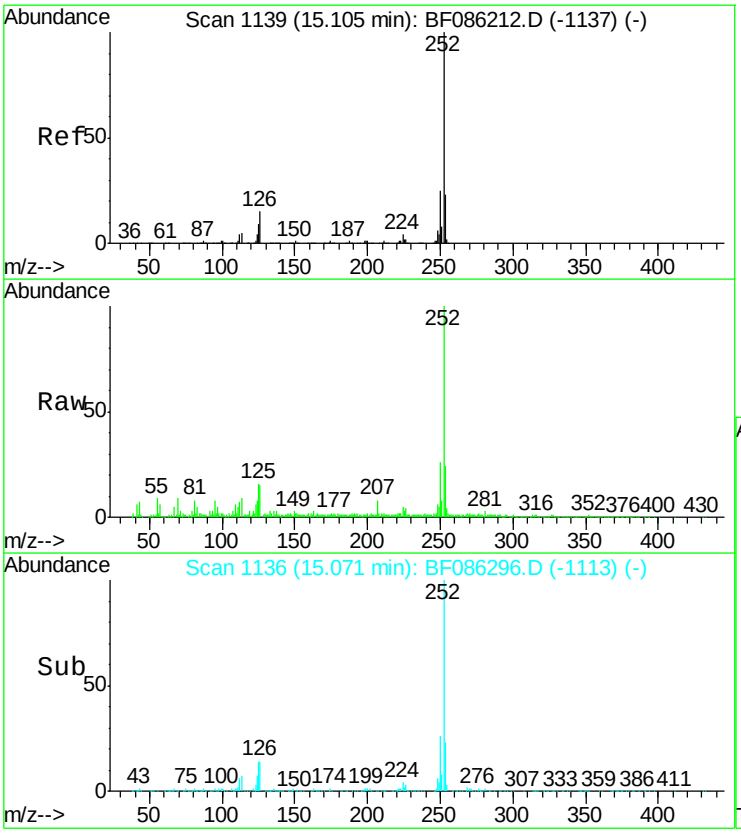
#87
Benzo(b)fluoranthene
Concen: 13.83 ng
RT: 15.07 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:252 Resp: 335273

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	15.6	10.3	15.5#

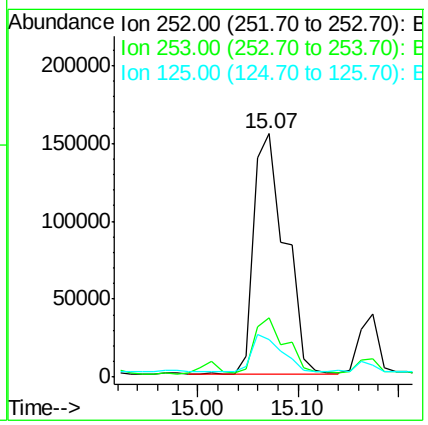


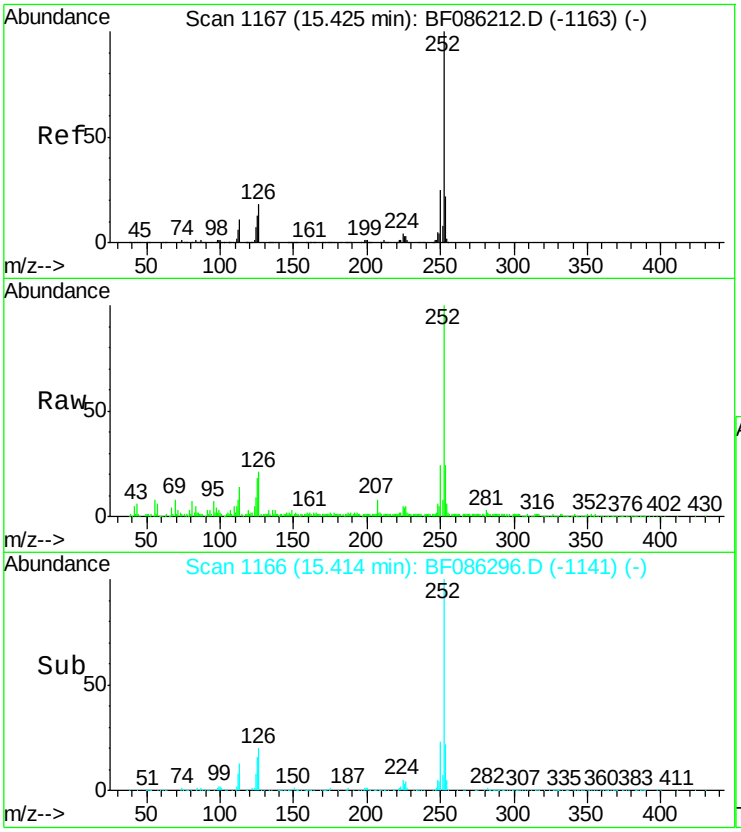


#88
Benzo(k)fluoranthene
Concen: 15.17 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:252 Resp: 335273

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	15.6	7.8	11.6#



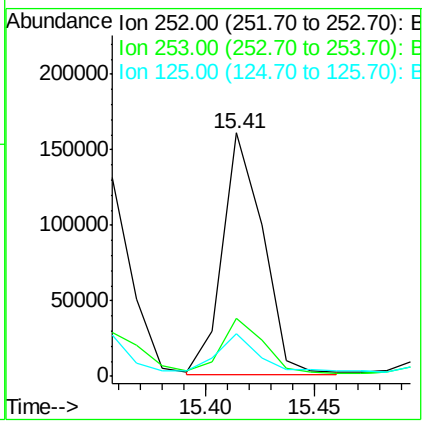


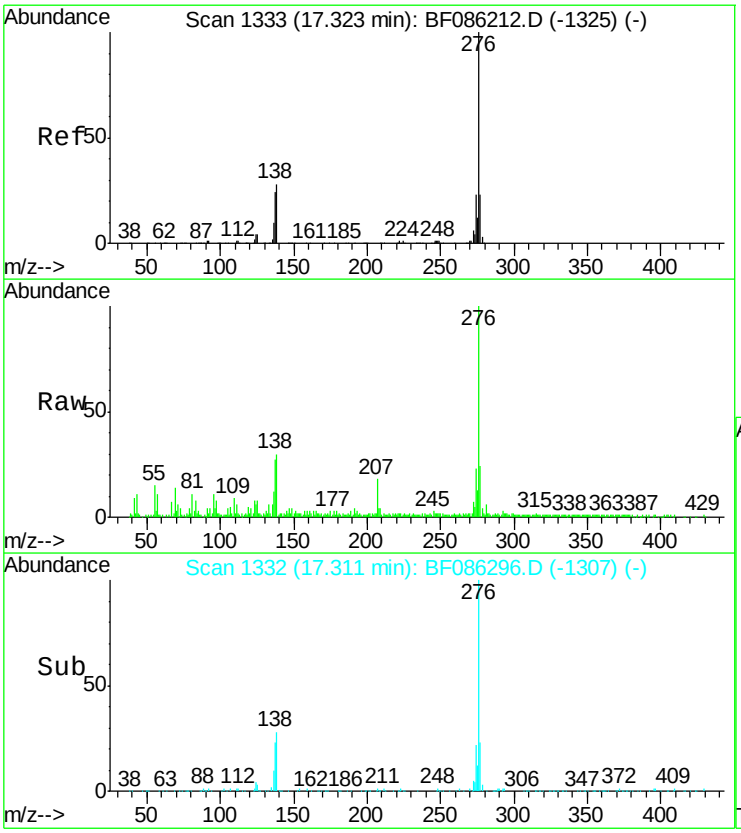
#89
Benzo(a)pyrene
Concen: 9.81 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Instrument :
BNA_F
ClientSampleId :
SP-1-C(0-2)

Tgt Ion:252 Resp: 205941

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	17.7	11.2	16.8#





#91
Benzo(g,h,i)perylene
Concen: 8.14 ng
RT: 17.31 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF086296.D
Acq: 18 Apr 2016 22:00

Tgt Ion:276 Resp: 160618

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	29.5	19.6	29.4#